

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025196.D
 Acq On : 03 Jul 2018 18:01
 Operator : MD/SY
 Sample : VU0703WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

Manual Integrations
 APPROVED

sam
 7/5/2018 2:30:21 PM

Quant Time: Jul 04 05:56:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	157538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	238810	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	225837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	128278	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	127696	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
35) Dibromofluoromethane	4.89	113	104107	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
50) Toluene-d8	7.57	98	325802	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	
62) 4-Bromofluorobenzene	10.31	95	135079	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	35486	17.996	ug/l	97
3) Chloromethane	1.33	50	37770	18.748	ug/l	100
4) Vinyl Chloride	1.40	62	41229	19.845	ug/l	98
5) Bromomethane	1.62	94	24496	24.390	ug/l	98
6) Chloroethane	1.70	64	27648	23.251	ug/l	100
7) Trichlorofluoromethane	1.89	101	68504	21.606	ug/l	99
8) Diethyl Ether	2.10	74	26483	23.548	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	39757	20.212	ug/l	95
10) Methyl Iodide	2.41	142	36141	24.703	ug/l	98
11) Tert butyl alcohol	2.82	59	74027	118.350	ug/l	99
12) 1,1-Dichloroethene	2.28	96	36943	20.595	ug/l	97
13) Acrolein	2.19	56	7700	23.442	ug/l	99
14) Allyl chloride	2.59	41	63984	19.211	ug/l	98
15) Acrylonitrile	2.94	53	137926	113.335	ug/l	99
16) Acetone	2.32	43	140352	101.568	ug/l	97
17) Carbon Disulfide	2.48	76	98655	17.176	ug/l	99
18) Methyl Acetate	2.62	43	85678	28.922	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	151023	22.397	ug/l	97
20) Methylene Chloride	2.70	84	49743	22.942	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	41070	20.788	ug/l	97
22) Diisopropyl ether	3.57	45	146351	22.166	ug/l	93
23) Vinyl Acetate	3.53	43	610470	103.217	ug/l	100
24) 1,1-Dichloroethane	3.45	63	83149	21.892	ug/l	98
25) 2-Butanone	4.26	43	205574	110.754	ug/l	99
26) 2,2-Dichloropropane	4.23	77	65492	18.159	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	49985	22.007	ug/l	98
28) Bromochloromethane	4.55	49	28702	17.156	ug/l	89
29) Tetrahydrofuran	4.64	42	132036	114.870	ug/l	97
30) Chloroform	4.68	83	89604	23.308	ug/l	96
31) Cyclohexane	5.00	56	73986	20.782	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	78696	22.137	ug/l	95
36) 1,1-Dichloropropene	5.14	75	59259	21.117	ug/l	97
37) Ethyl Acetate	4.38	43	75801	24.783	ug/l	98
38) Carbon Tetrachloride	5.14	117	68345	22.148	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	72565	20.721	ug/l	94
40) Benzene	5.39	78	180932	22.627	ug/l	99
41) Methacrylonitrile	4.54	41	41666	25.266	ug/l	99
42) 1,2-Dichloroethane	5.41	62	76173	25.012	ug/l	97
43) Isopropyl Acetate	5.55	43	118317	22.379	ug/l	99
44) Trichloroethene	6.19	130	49371	21.695	ug/l	95
45) 1,2-Dichloropropane	6.44	63	47387	22.210	ug/l	98
46) Dibromomethane	6.56	93	35480	23.675	ug/l	96
47) Bromodichloromethane	6.76	83	65092	21.812	ug/l	98
48) Methyl methacrylate	6.63	41	60865	23.643	ug/l	97
49) 1,4-Dioxane	6.61	88	27240	541.063	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	393617	118.507	ug/l	99
52) Toluene	7.64	92	115935	22.536	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	66553	19.859	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	73100	20.470	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	48625	23.253	ug/l	98
56) Ethyl methacrylate	8.02	69	74590	21.311	ug/l	99
57) 1,3-Dichloropropane	8.25	76	82633	23.425	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.14	63	580	0.433	ug/l #	50
59) 2-Hexanone	8.36	43	308027	113.593	ug/l	99
60) Dibromochloromethane	8.48	129	51511	19.754	ug/l	100
61) 1,2-Dibromoethane	8.59	107	53065	22.799	ug/l	98
64) Tetrachloroethene	8.23	164	48444	22.567	ug/l	97
65) Chlorobenzene	9.12	112	131572	22.806	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	49398	22.537	ug/l	99
67) Ethyl Benzene	9.25	91	227607	22.504	ug/l	99
68) m/p-Xylenes	9.38	106	175084	45.081	ug/l	98
69) o-Xylene	9.78	106	86727	22.564	ug/l	98
70) Styrene	9.80	104	134319	21.265	ug/l	98
71) Bromoform	9.96	173	39109	18.772	ug/l #	100
73) Isopropylbenzene	10.17	105	235079	23.869	ug/l	99
74) N-amyl acetate	10.02	43	99056	21.145	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	79330	24.037	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	68028m	24.087	ug/l	
77) Bromobenzene	10.46	156	59755	23.966	ug/l	96
78) n-propylbenzene	10.59	91	254756	21.959	ug/l	97
79) 2-Chlorotoluene	10.66	91	157450	23.013	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	197821	23.174	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	19179m	15.717	ug/l	
82) 4-Chlorotoluene	10.78	91	176350	22.146	ug/l	98
83) tert-Butylbenzene	11.10	119	196861	23.974	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	201605	23.175	ug/l	99
85) sec-Butylbenzene	11.33	105	229506	22.329	ug/l	98
86) p-Isopropyltoluene	11.48	119	200981	21.833	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	103808	22.535	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	102094	22.020	ug/l	99
89) n-Butylbenzene	11.89	91	154052	18.850	ug/l	97
90) Hexachloroethane	12.15	117	33760	18.800	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	109760	23.789	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20101	22.073	ug/l	97

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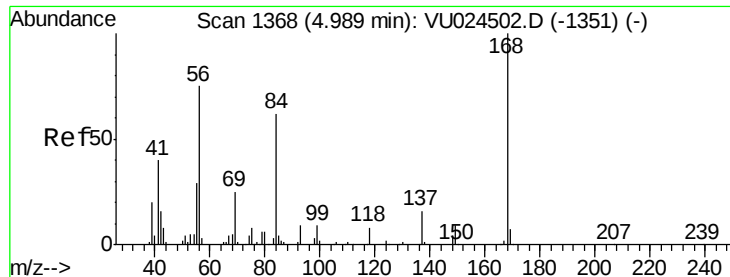
Manual Integrations
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7/5/2018 2:30:21 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	61291	21.512	ug/l	99
94) Hexachlorobutadiene	13.70	225	34316	21.398	ug/l	99
95) Naphthalene	13.75	128	219700	23.655	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	65949	23.229	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

Tot Ion:168 Resp: 157538

Ion Ratio Lower Upper

168 100

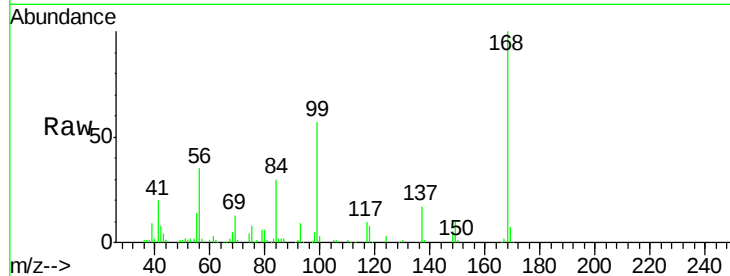
99 56.7 43.2 64.8

Manual Integrations

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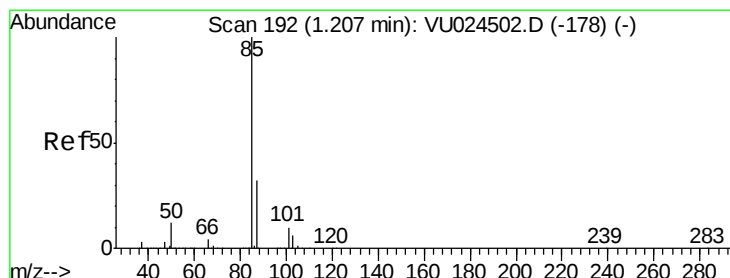
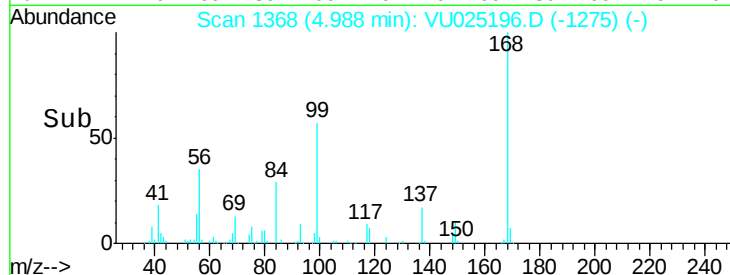
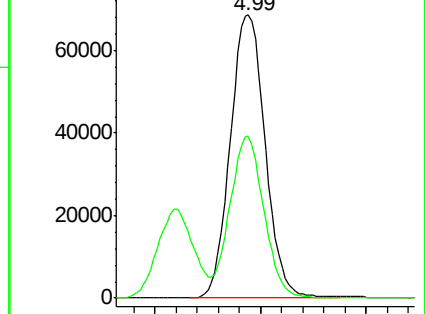
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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 17.996 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025196.D

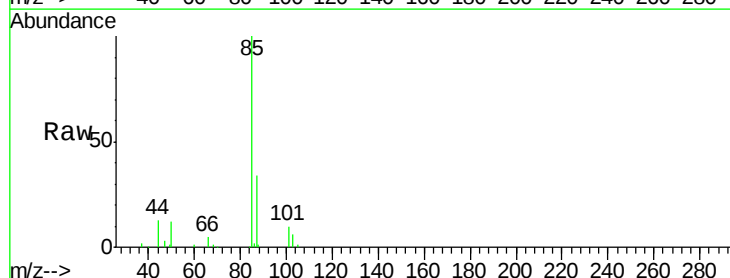
Acq: 03 Jul 2018 18:01

Tgt Ion: 85 Resp: 35486

Ion Ratio Lower Upper

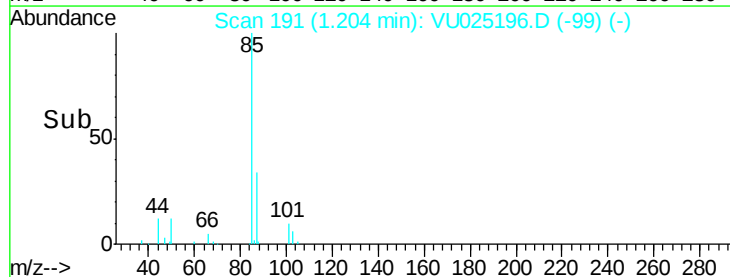
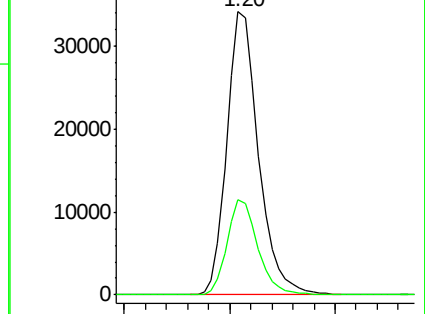
85 100

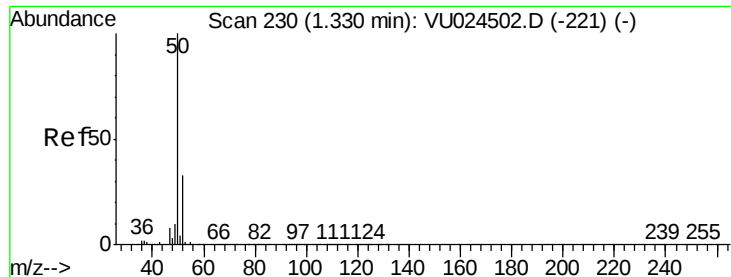
87 33.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 18.748 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

Tot Ion: 50 Resp: 37770

Ion Ratio Lower Upper

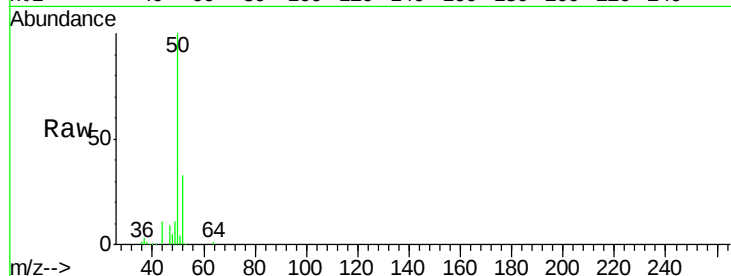
50 100

52 33.0 26.4 39.6

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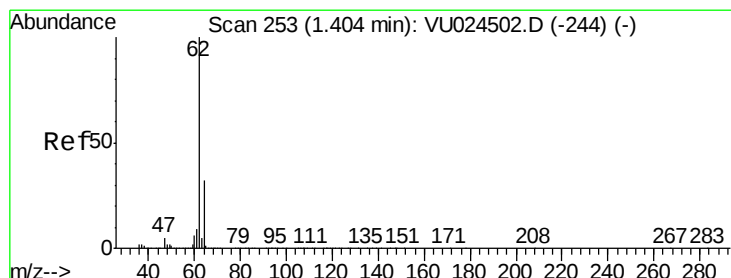
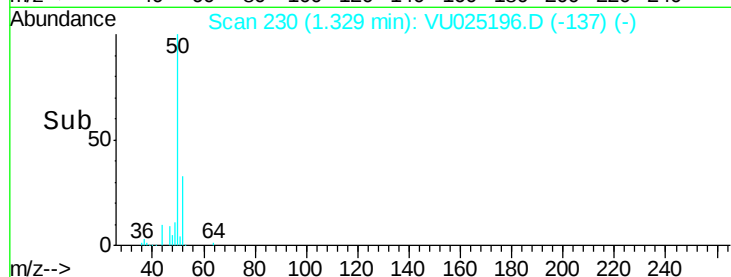
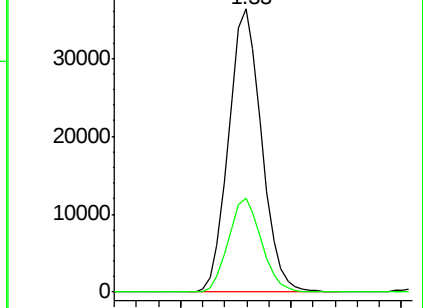
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Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025196.D (-137) (-)



#4

Vinyl Chloride

Concen: 19.845 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025196.D

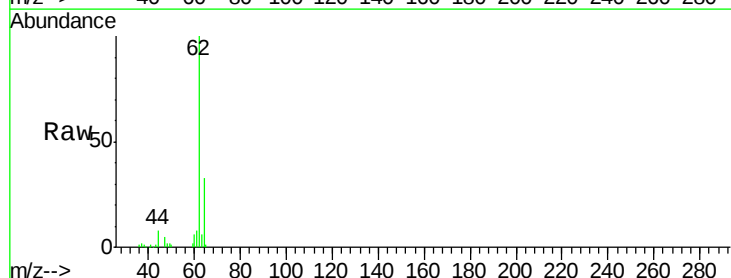
Acq: 03 Jul 2018 18:01

Tgt Ion: 62 Resp: 41229

Ion Ratio Lower Upper

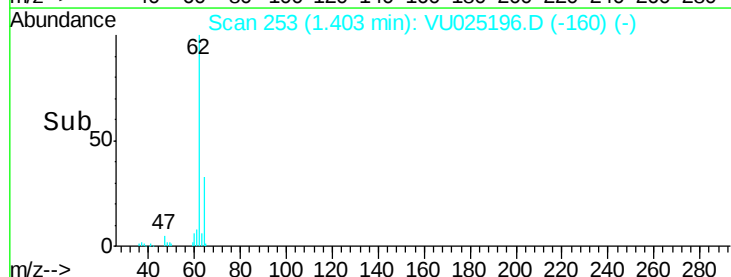
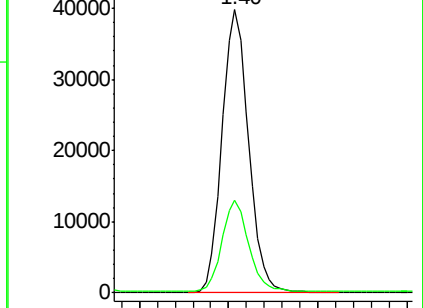
62 100

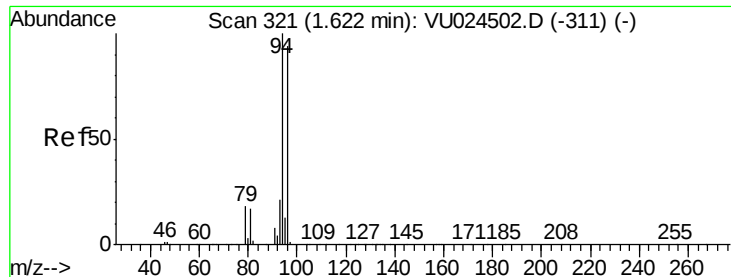
64 32.0 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU025196.D (-160) (-)





#5

Bromomethane

Concen: 24.390 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

Tot Ion: 94 Resp: 24496

Ion Ratio Lower Upper

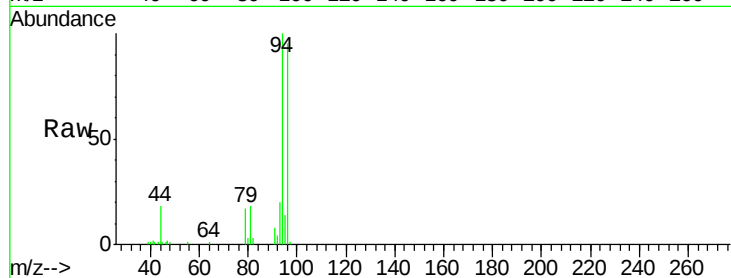
94 100

96 95.5 74.5 111.7

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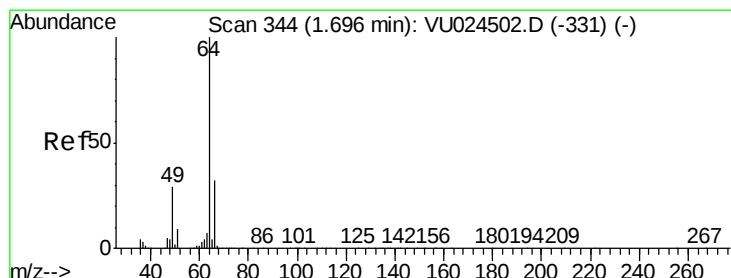
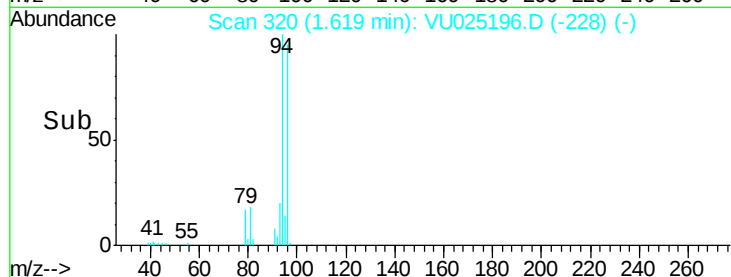
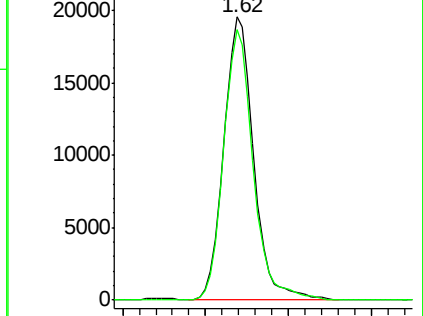
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 23.251 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025196.D

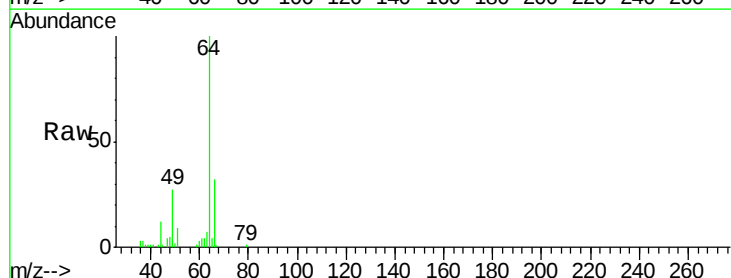
Acq: 03 Jul 2018 18:01

Tgt Ion: 64 Resp: 27648

Ion Ratio Lower Upper

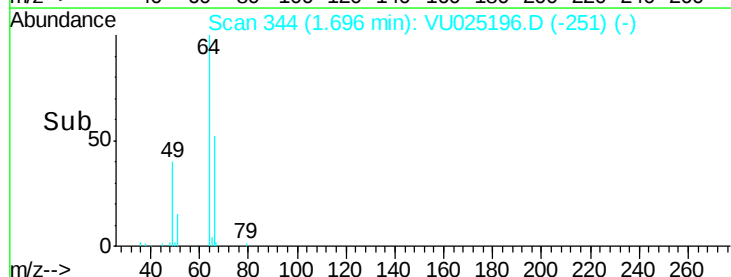
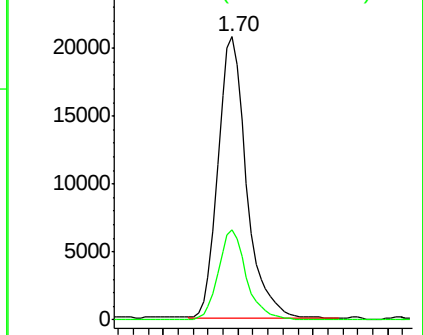
64 100

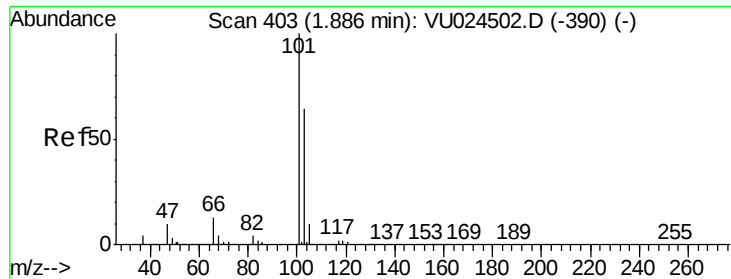
66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

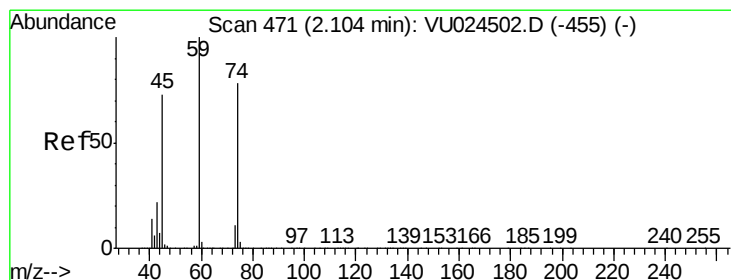
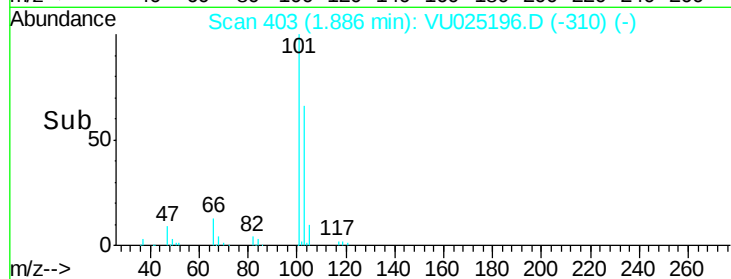
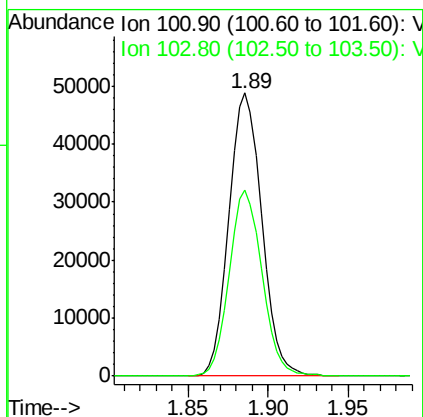
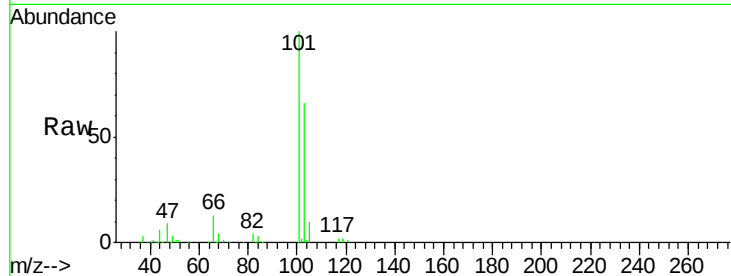
Trichlorofluoromethane
 Concen: 21.606 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.3	78.5

Manual Integrations
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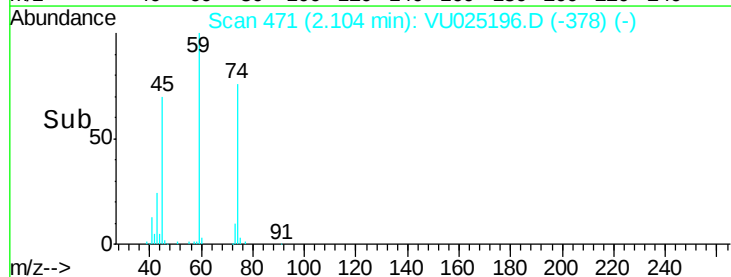
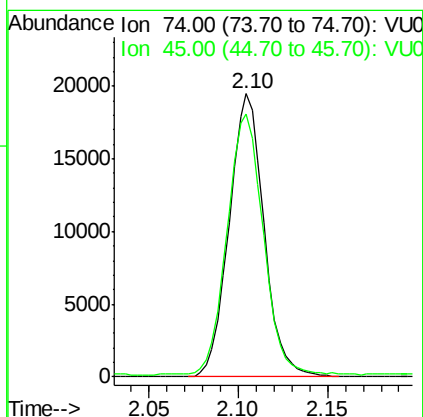
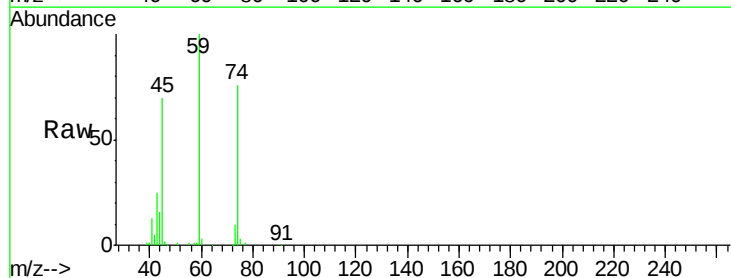
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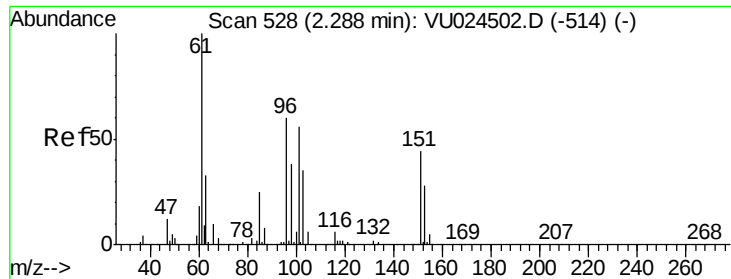


#8

Diethyl Ether
 Concen: 23.548 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.212 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

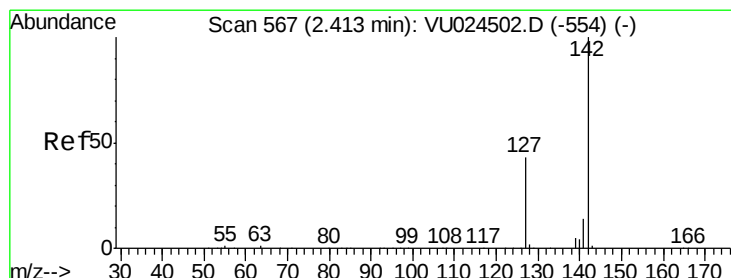
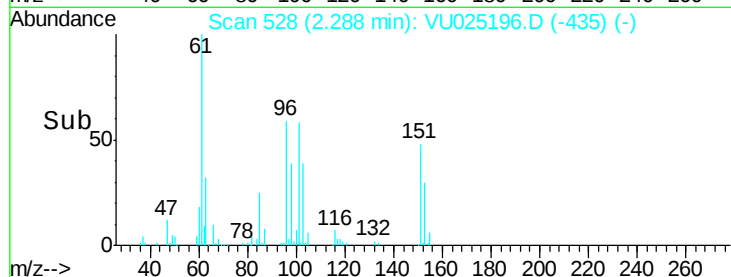
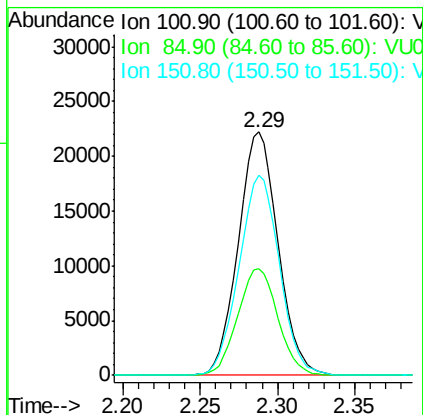
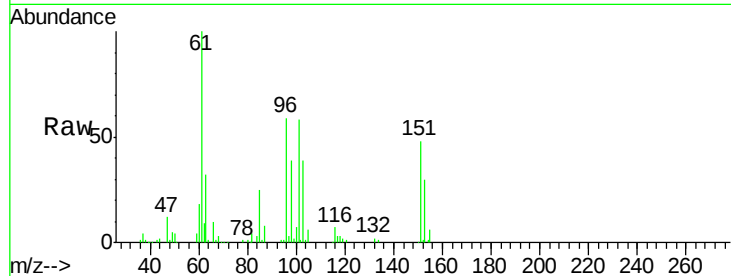
ClientSampleId :

VU0703WBS02

Tot Ion:	101	Resp:	39757
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.0	54.0
151	83.5	62.3	93.5

Manual Integrations
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sam
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#10

Methyl Iodide

Concen: 24.703 ug/l

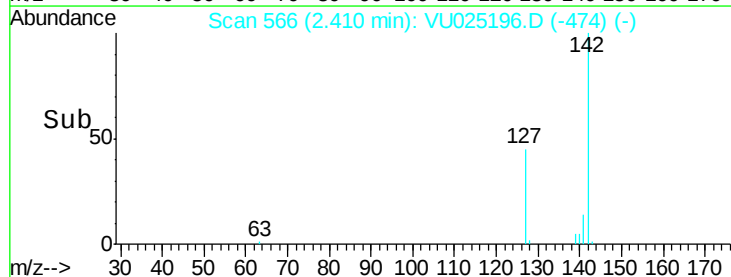
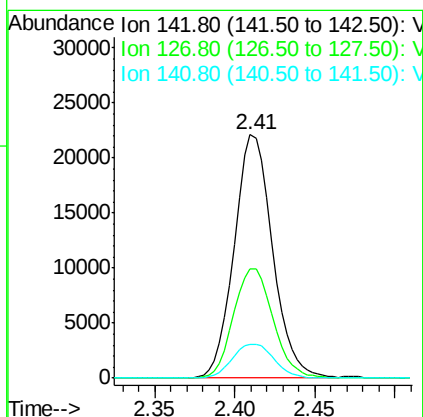
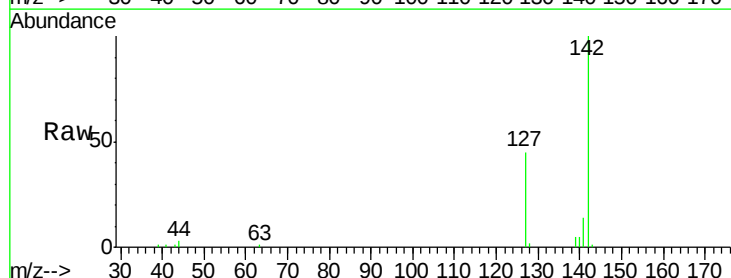
RT: 2.41 min Scan# 566

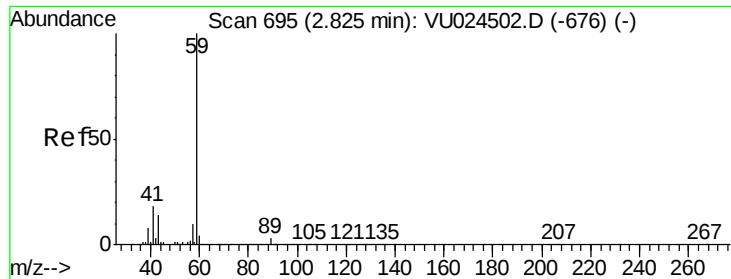
Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Tgt Ion:	142	Resp:	36141
Ion Ratio	Lower	Upper	
142	100		
127	46.2	35.6	53.4
141	15.1	11.7	17.5





#11

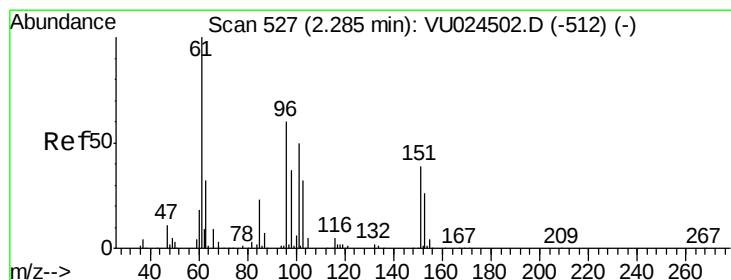
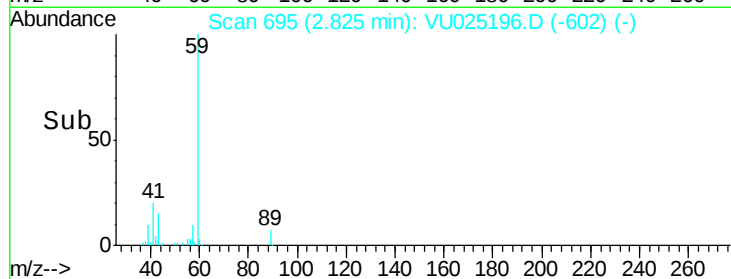
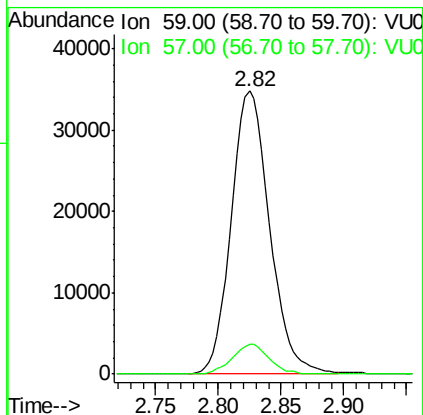
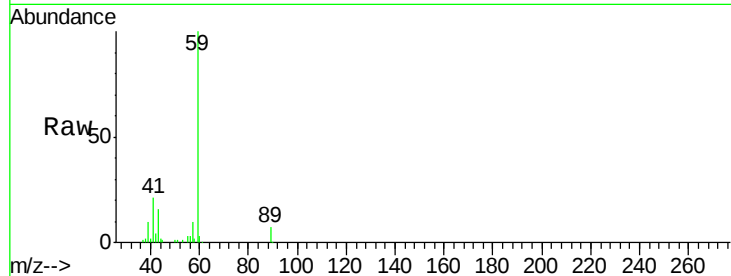
Tert butyl alcohol
 Concen: 118.350 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

Manual Integrations
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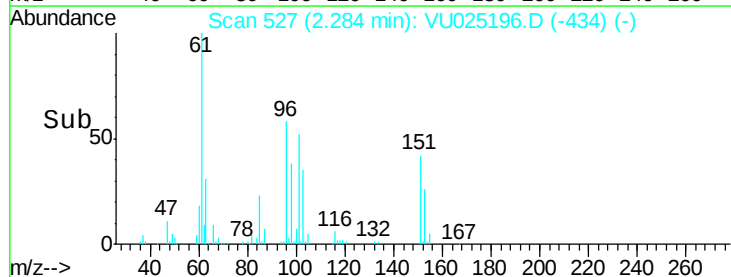
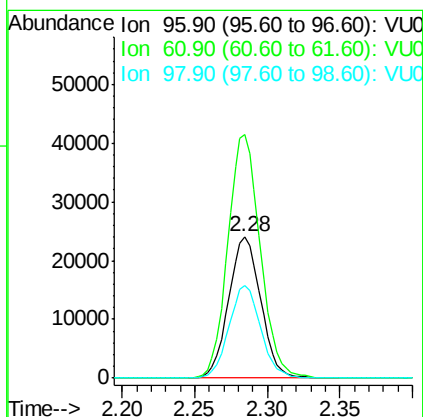
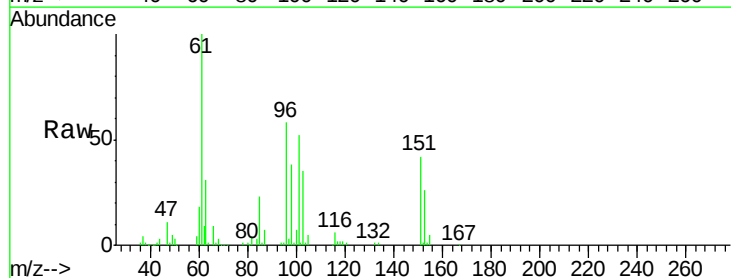
Sam
 7/5/2018 2:30:21 PM

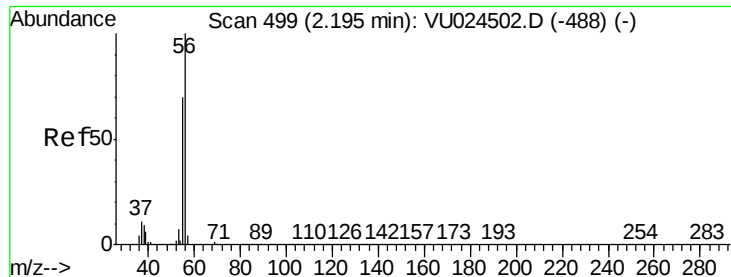


#12

1,1-Dichloroethene
 Concen: 20.595 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.4	141.7	212.5
98	66.0	51.6	77.4





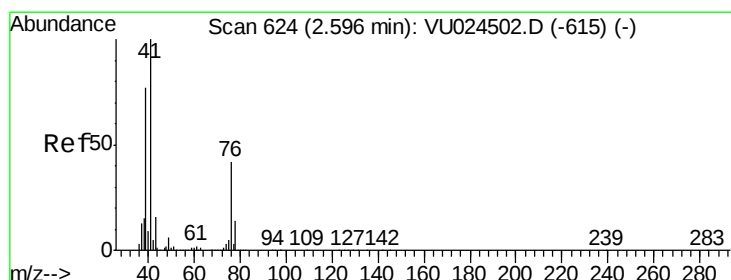
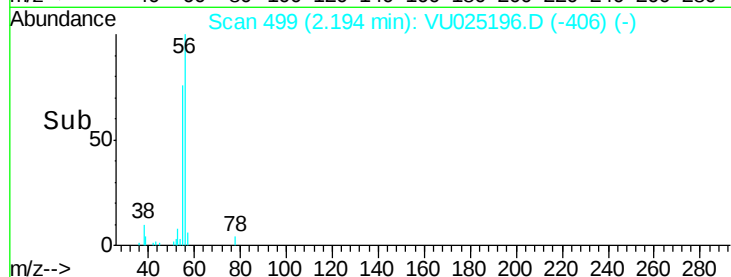
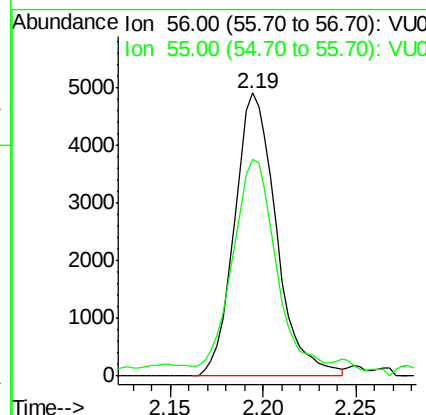
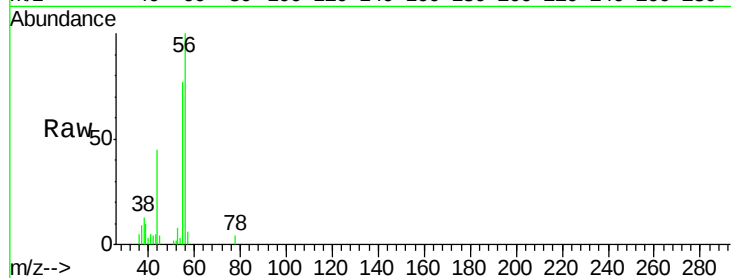
#13
Acrolein
Concen: 23.442 ug/l
RT: 2.19 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	74.2	58.4	87.6

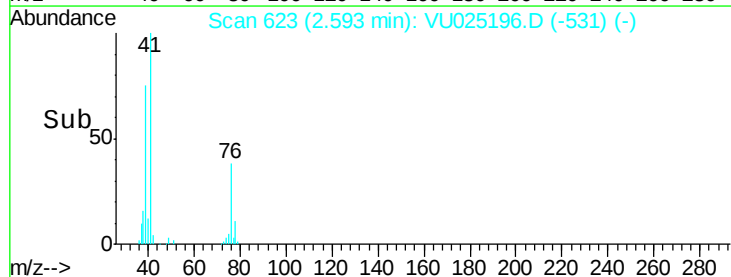
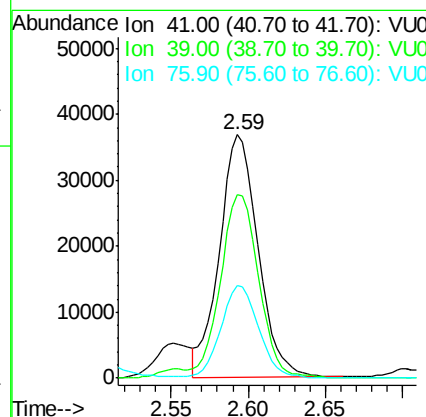
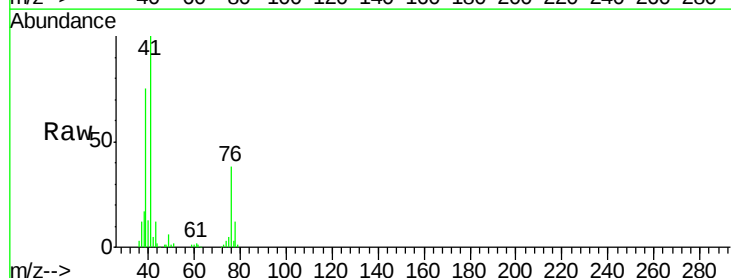
Manual Integrations
APPROVED

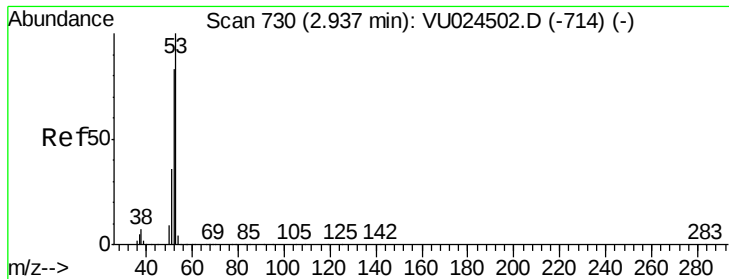
sam
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#14
Allyl chloride
Concen: 19.211 ug/l
RT: 2.59 min Scan# 623
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.5	61.6	92.4
76	37.5	29.7	44.5





#15

Acrylonitrile

Concen: 113.335 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

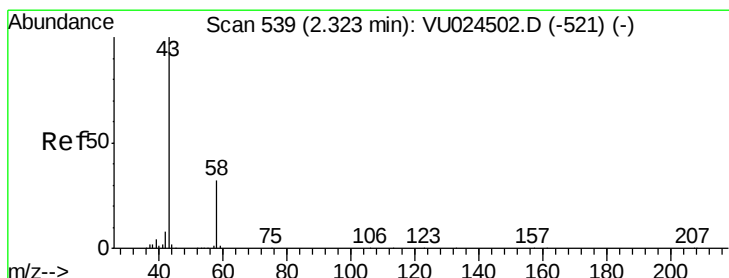
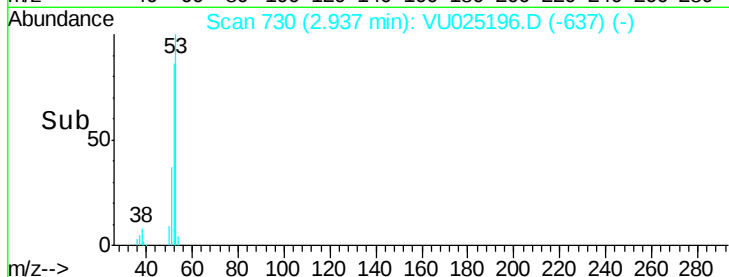
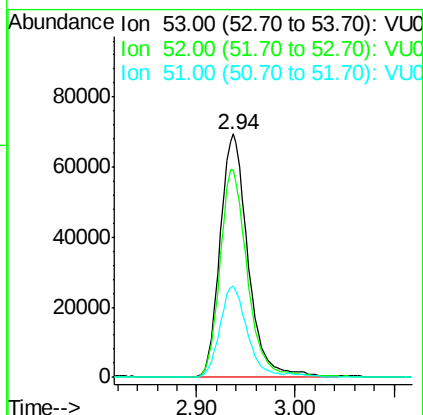
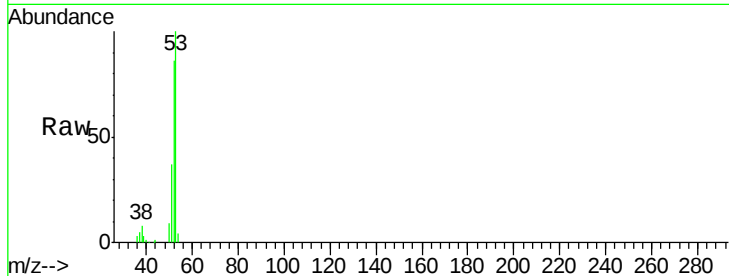
ClientSampleId :

VU0703WBS02

Tot Ion:	53	Resp:	137926
Ion	Ratio	Lower	Upper
53	100		
52	84.2	67.1	100.7
51	36.3	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 101.568 ug/l

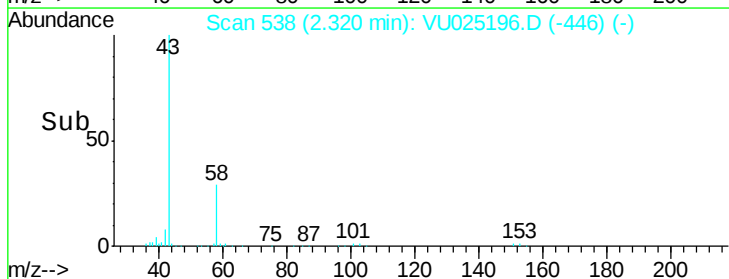
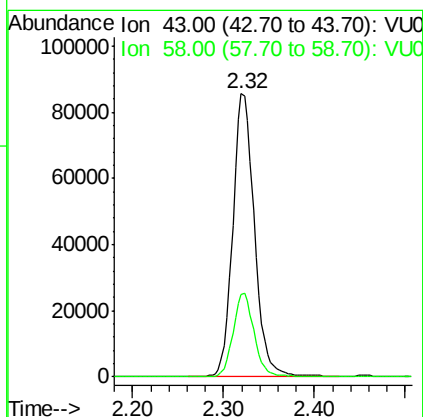
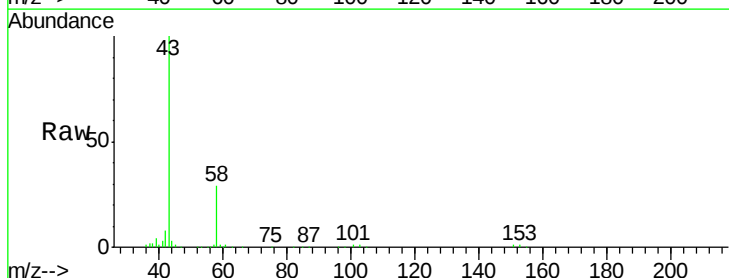
RT: 2.32 min Scan# 538

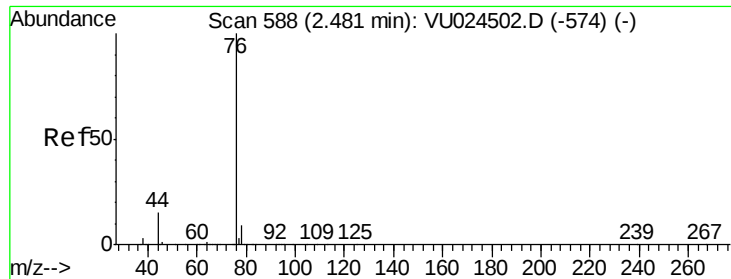
Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Tgt Ion:	43	Resp:	140352
Ion	Ratio	Lower	Upper
43	100		
58	29.1	24.4	36.6





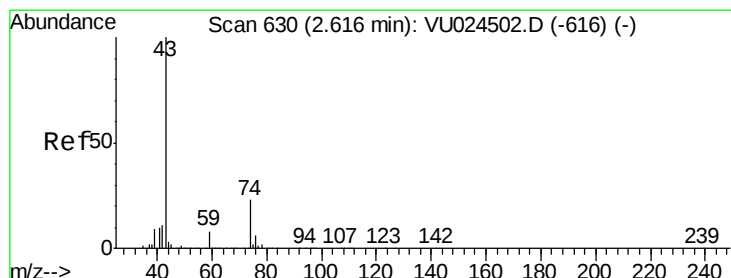
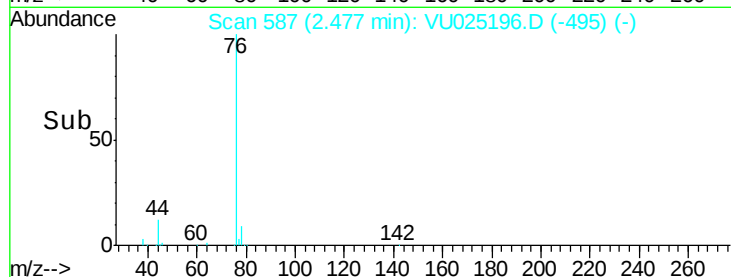
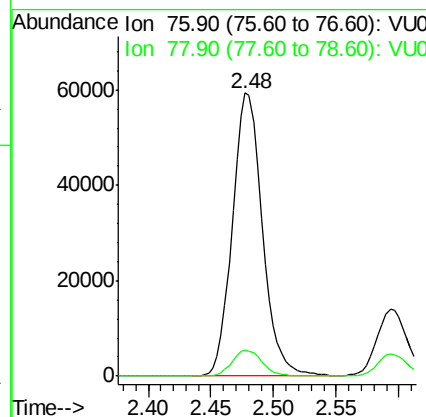
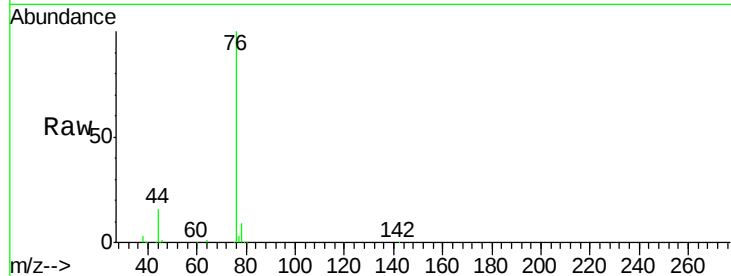
#17
Carbon Disulfide
Concen: 17.176 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

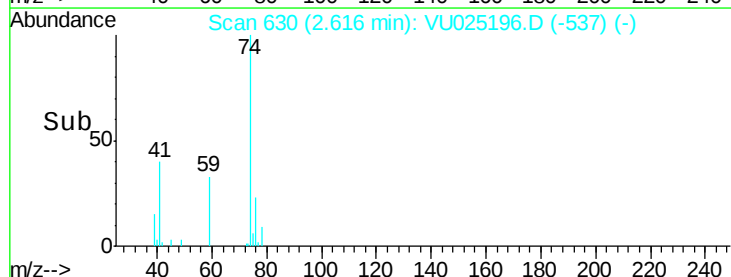
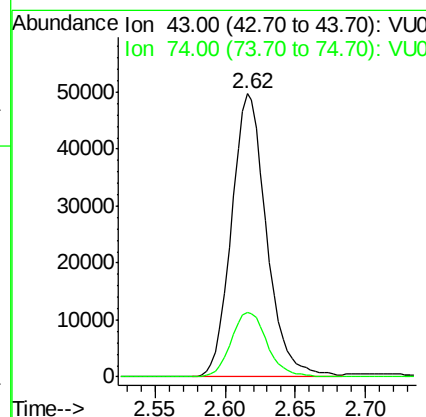
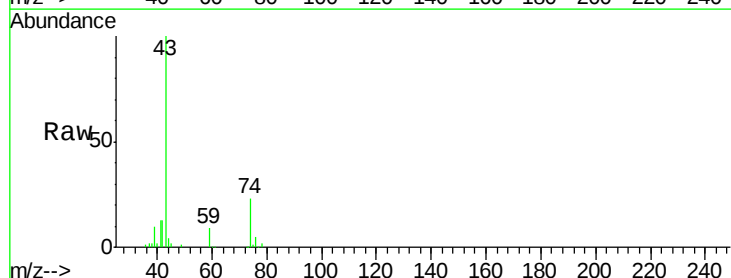
Manual Integrations
APPROVED

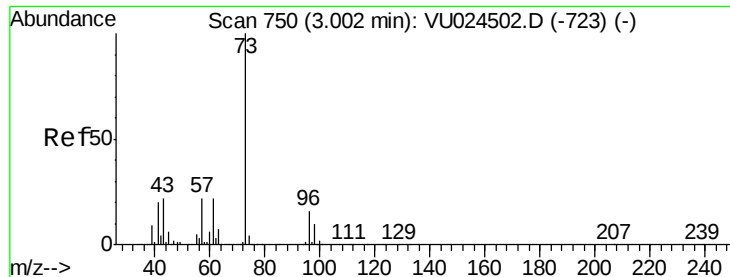
sam
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#18
Methyl Acetate
Concen: 28.922 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.0	27.0





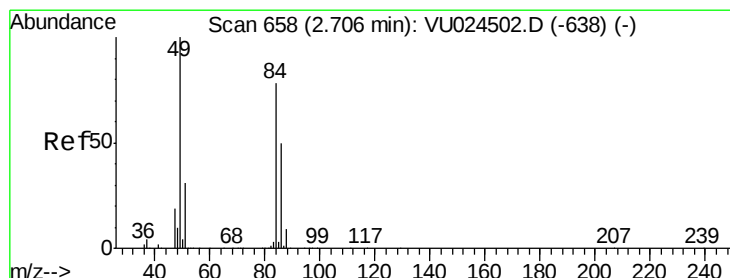
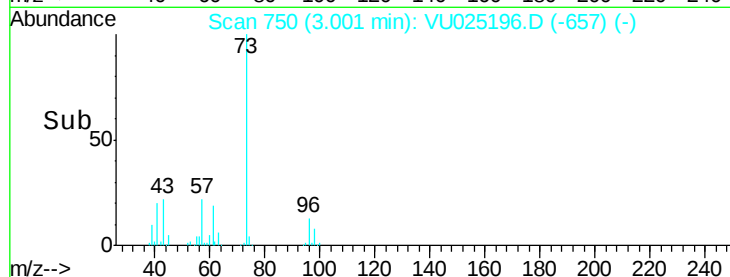
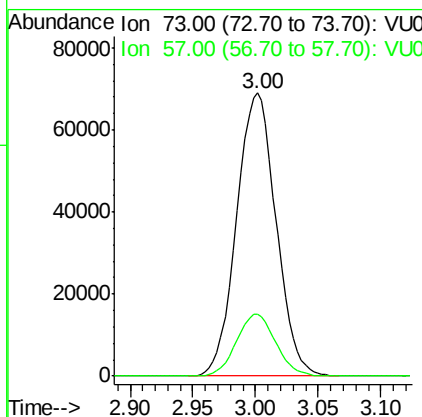
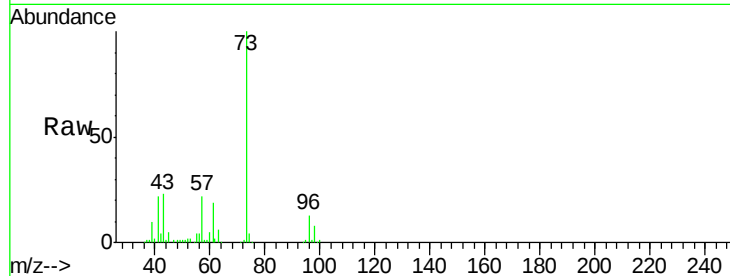
#19
Methvl tert-butvl Ether
Concen: 22.397 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.8	28.2

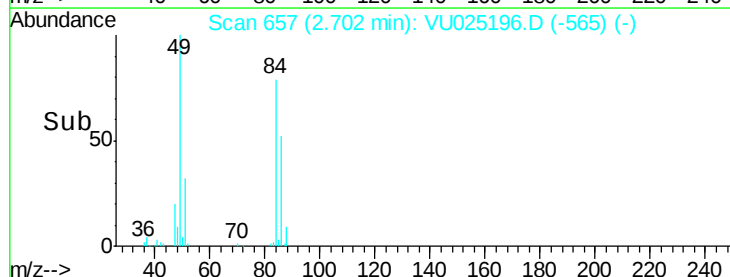
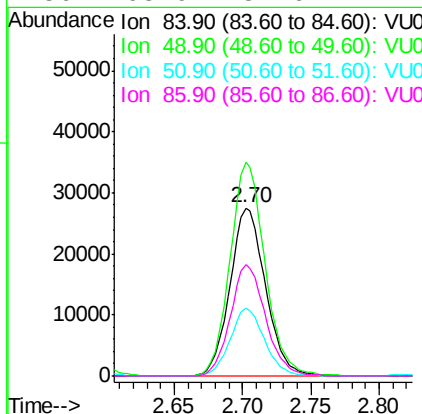
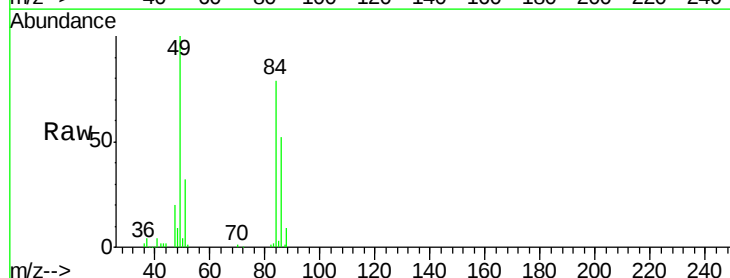
Manual Integrations
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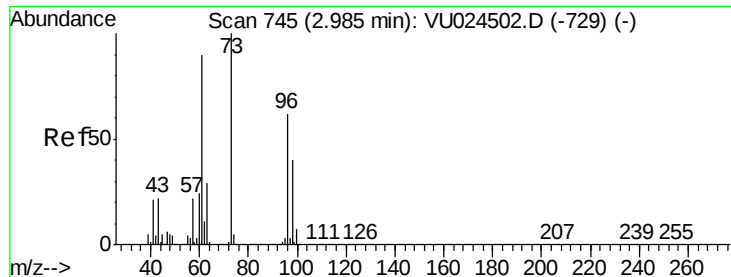
Sam
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#20
Methylene Chloride
Concen: 22.942 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.0	103.8	155.8
51	40.1	32.0	48.0
86	65.9	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 20.788 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

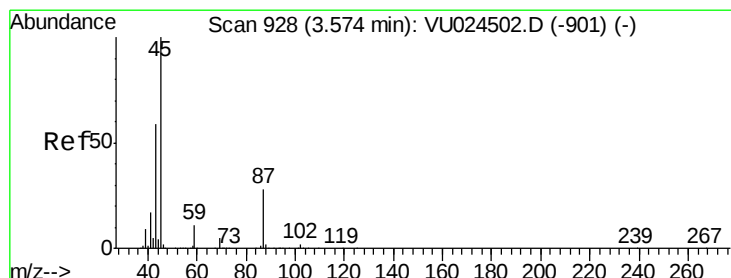
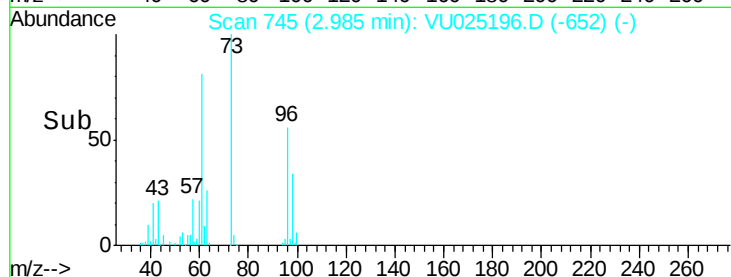
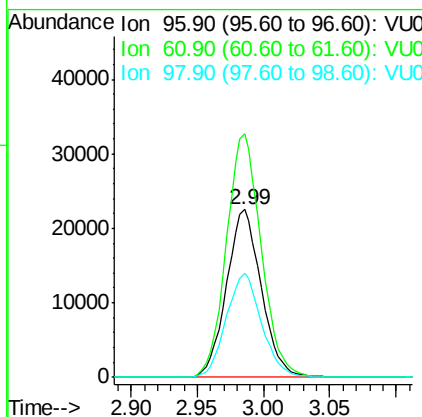
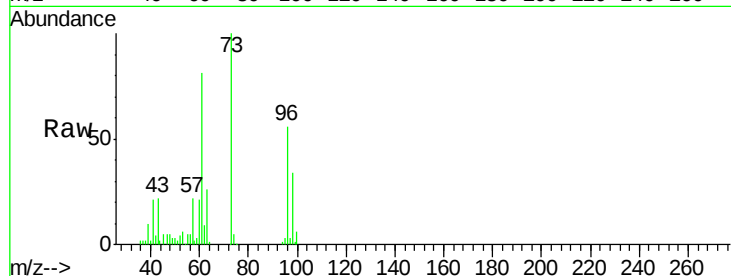
ClientSampleId :

VU0703WBS02

Tot Ion:	96	Resp:	41070
Ion	Ratio	Lower	Upper
96	100		
61	145.0	119.4	179.0
98	61.7	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.166 ug/l

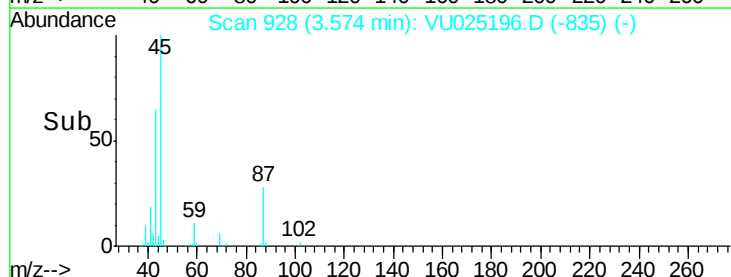
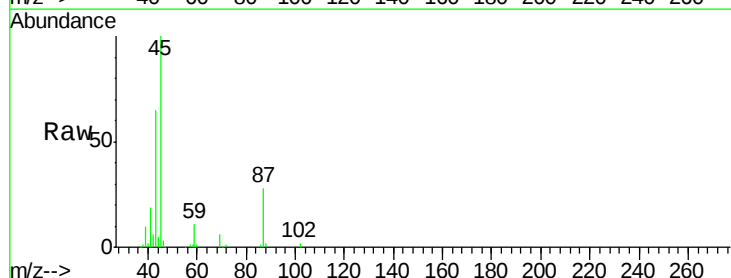
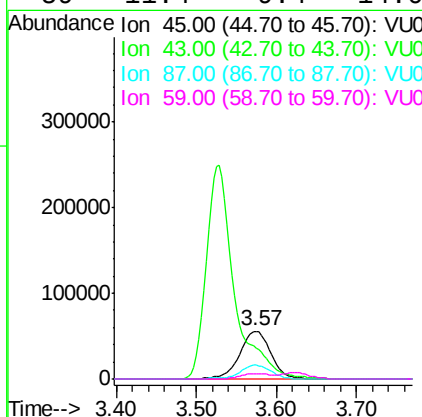
RT: 3.57 min Scan# 928

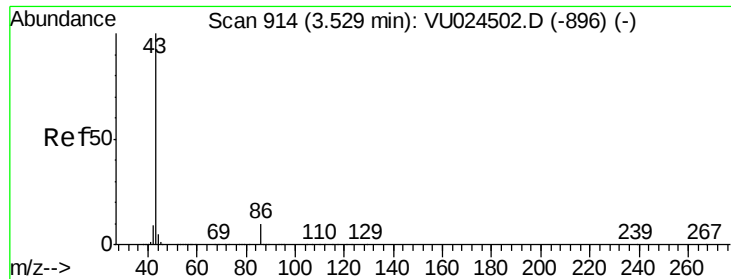
Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Tgt Ion:	45	Resp:	146351
Ion	Ratio	Lower	Upper
45	100		
43	64.0	45.8	68.6
87	28.3	20.6	31.0
59	11.4	9.4	14.0





#23

Vinyl Acetate

Concen: 103.217 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

Tot Ion: 43 Resp: 610470

Ion Ratio Lower Upper

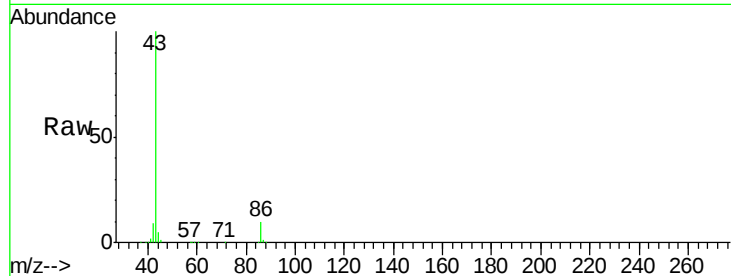
43 100

86 9.8 7.8 11.8

Manual Integrations
APPROVED

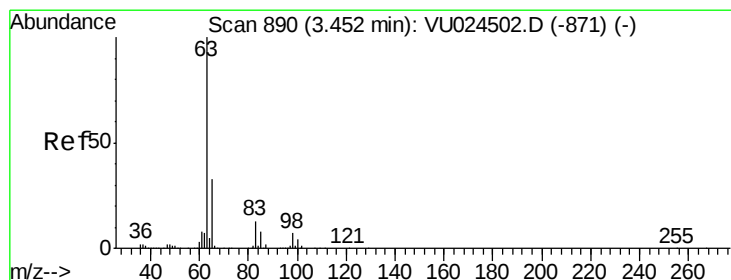
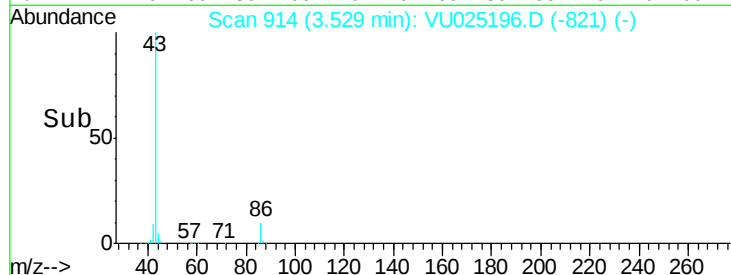
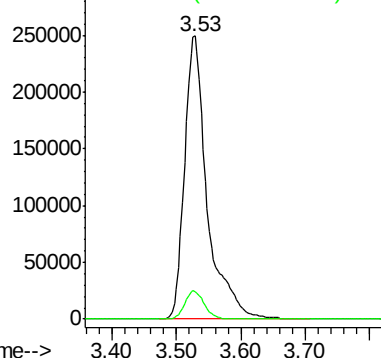
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 21.892 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

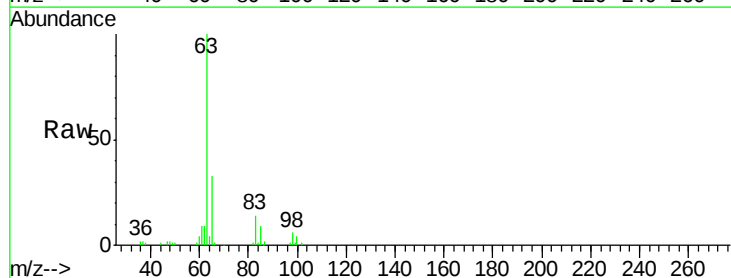
Tgt Ion: 63 Resp: 83149

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.4

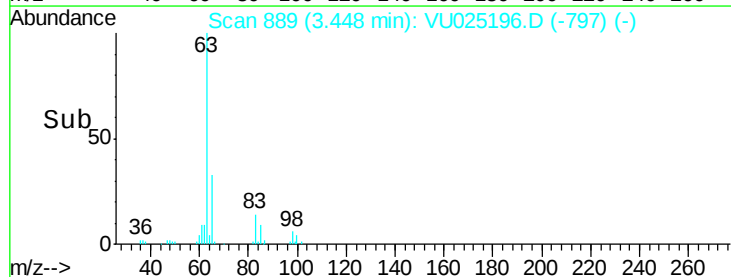
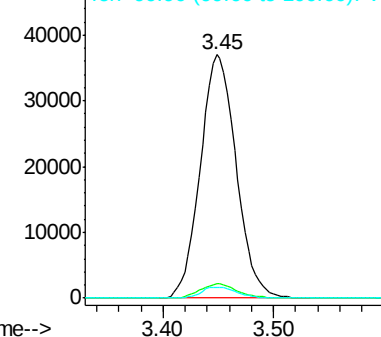
100 4.2 1.8 5.5

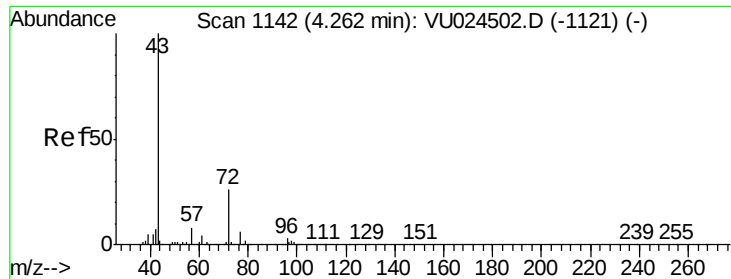


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





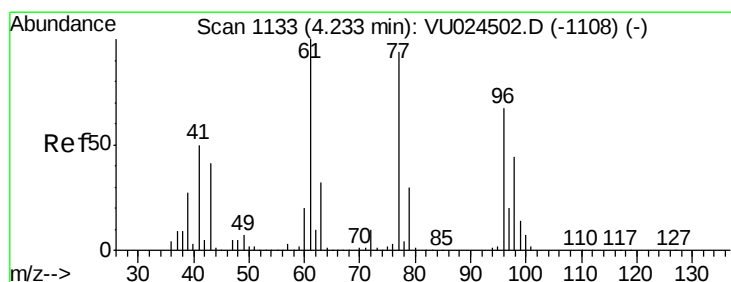
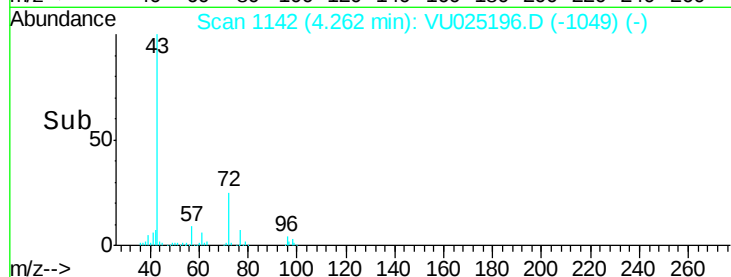
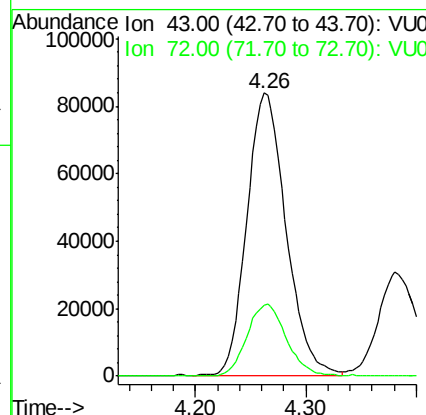
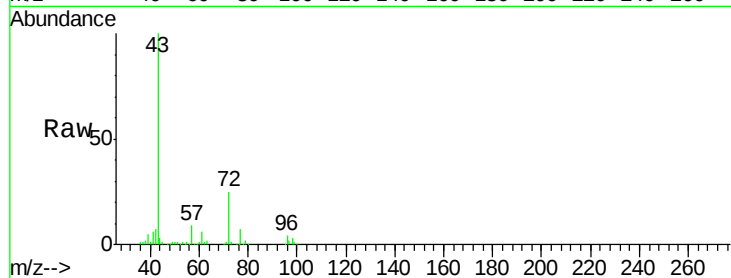
#25
2-Butanone
Concen: 110.754 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion: 43 Resp: 205574
Ion Ratio Lower Upper
43 100
72 25.2 19.6 29.4

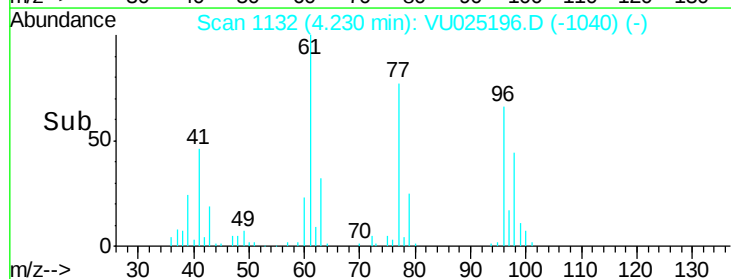
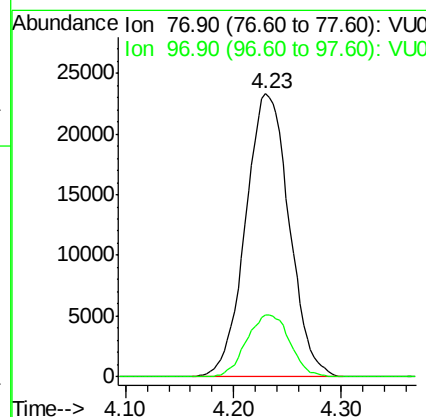
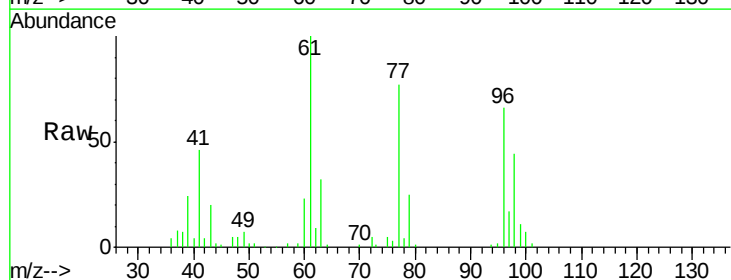
Manual Integrations
APPROVED

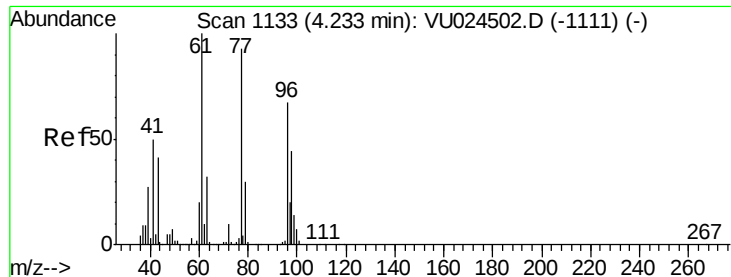
sam
7/5/2018 2:30:21 PM



#26
2,2-Dichloropropane
Concen: 18.159 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion: 77 Resp: 65492
Ion Ratio Lower Upper
77 100
97 21.6 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 22.007 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

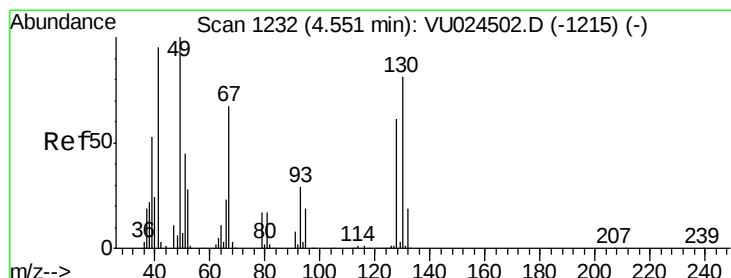
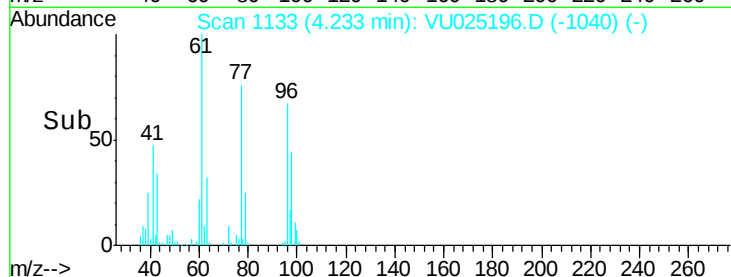
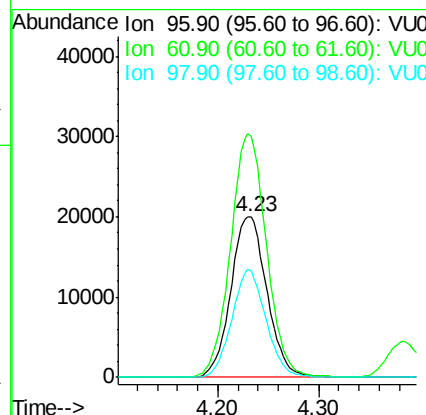
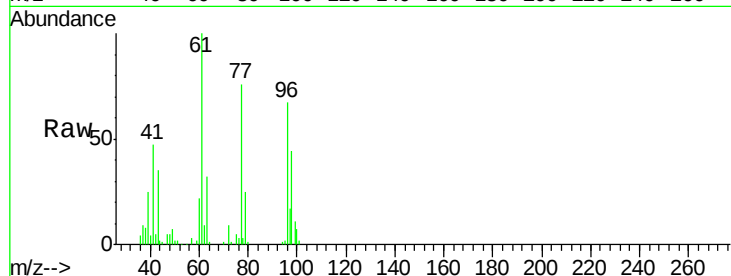
ClientSampleId :

VU0703WBS02

Tot Ion:	96	Resp:	49985
Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	306.6
98	63.1	0.0	128.8

Manual Integrations
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sam
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#28

Bromochloromethane

Concen: 17.156 ug/l

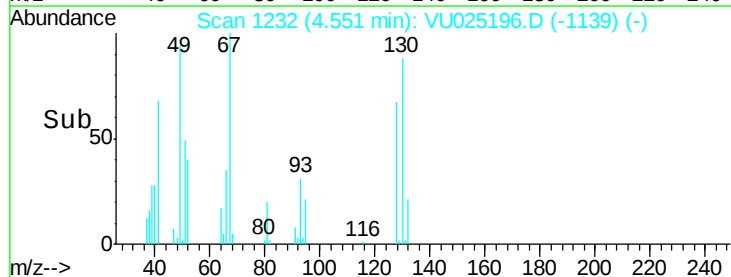
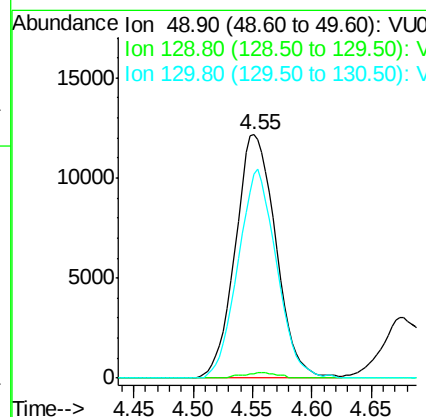
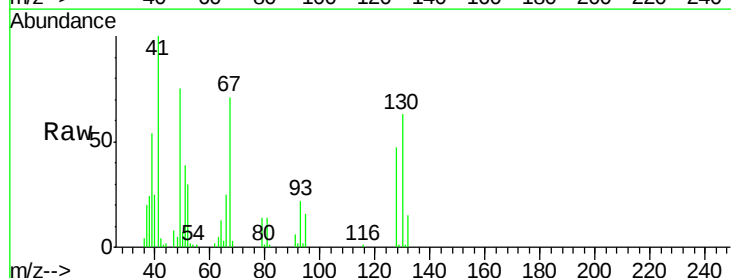
RT: 4.55 min Scan# 1232

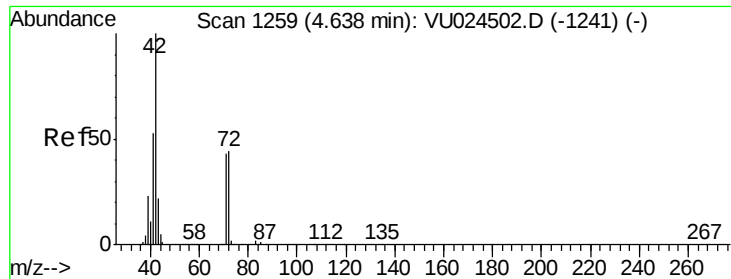
Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Tgt Ion:	49	Resp:	28702
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	81.4	57.8	86.6





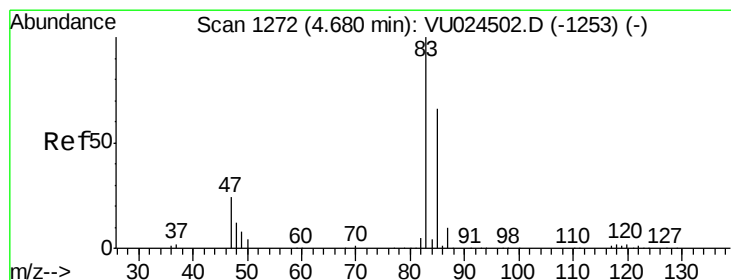
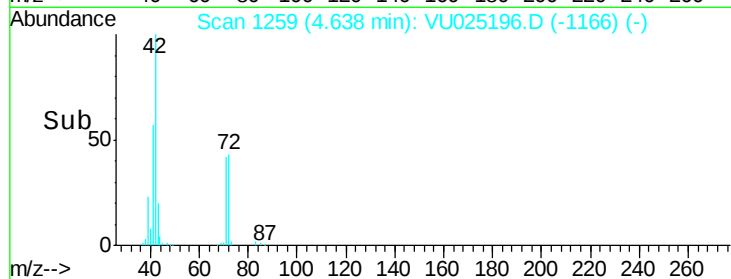
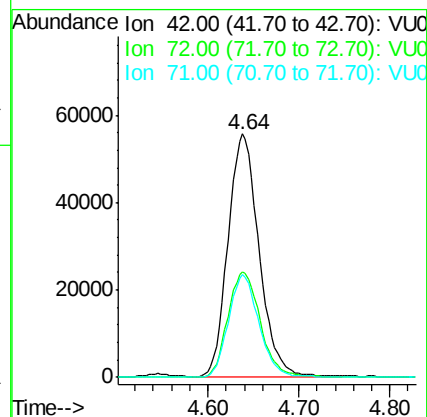
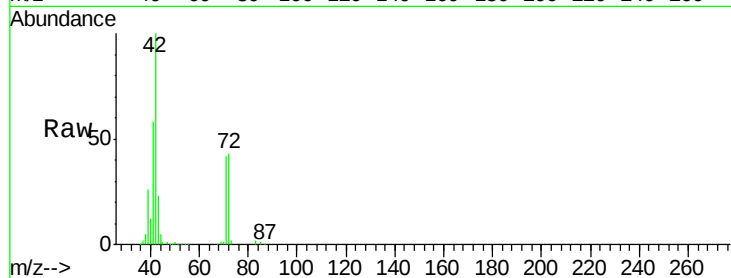
#29
Tetrahydrofuran
Concen: 114.870 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	34.5	51.7
71	41.3	32.2	48.4

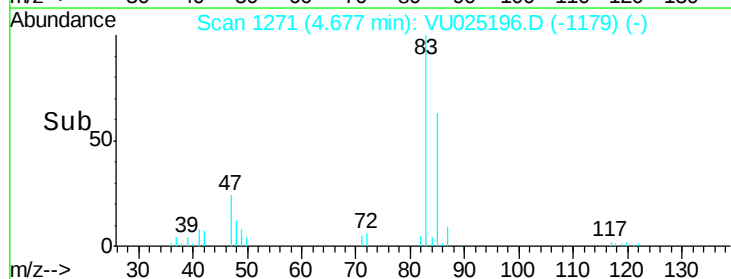
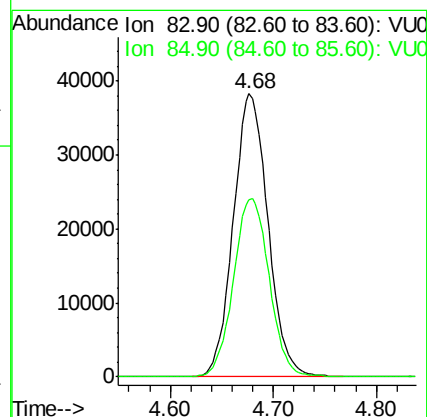
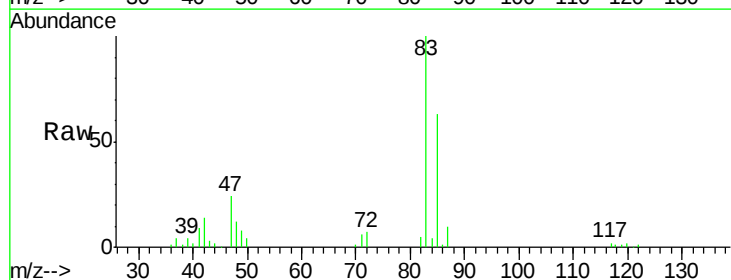
Manual Integrations
APPROVED

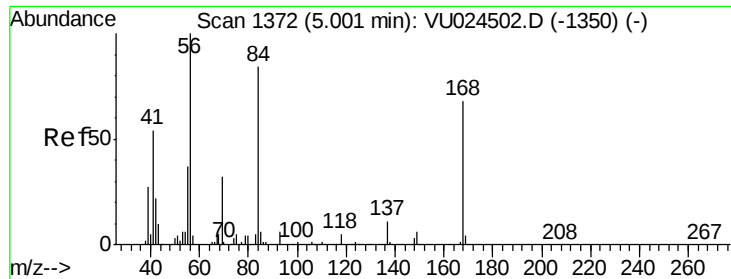
sam
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#30
Chloroform
Concen: 23.308 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.4	78.6





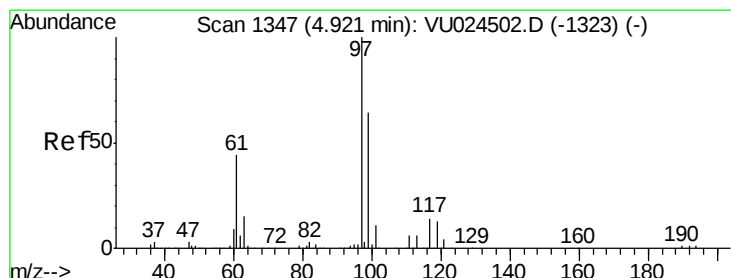
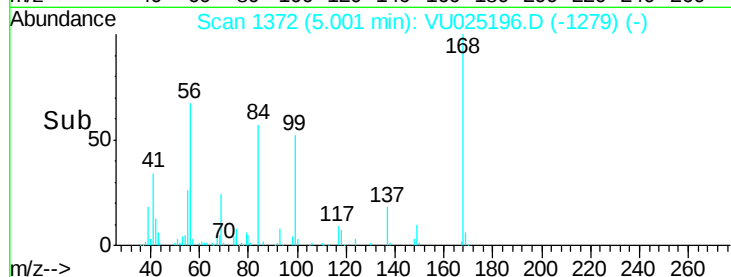
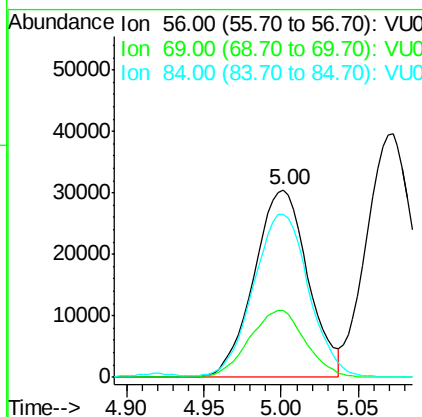
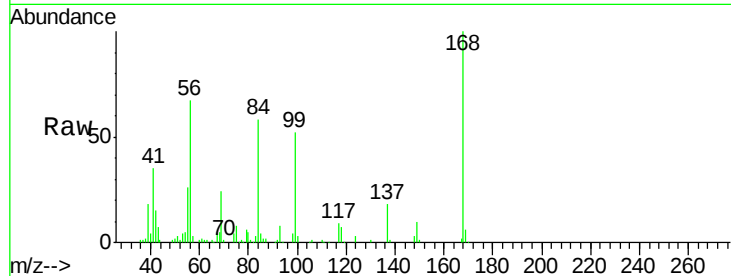
#31
Cyclohexane
Concen: 20.782 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.7	24.8	37.2
84	85.9	65.2	97.8

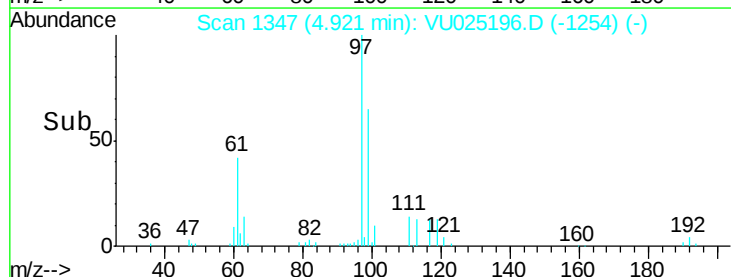
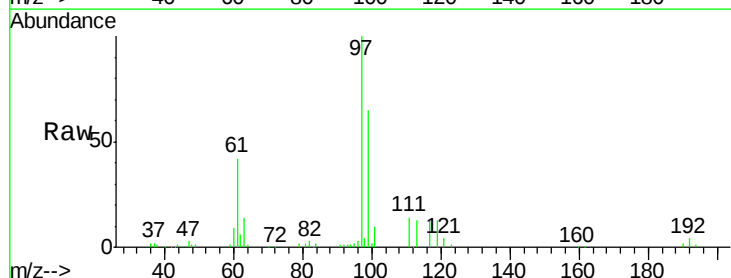
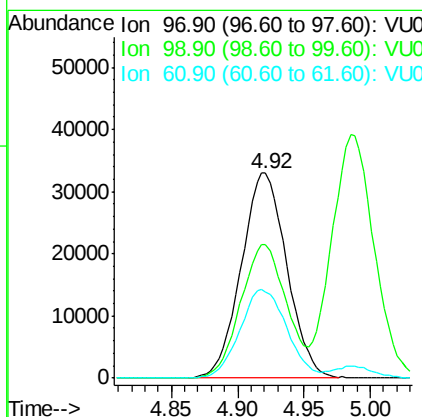
Manual Integrations
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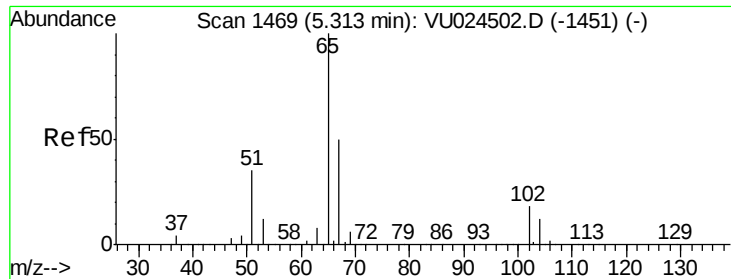
sam
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#32
1,1,1-Trichloroethane
Concen: 22.137 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.0	76.6
61	44.4	39.4	59.0





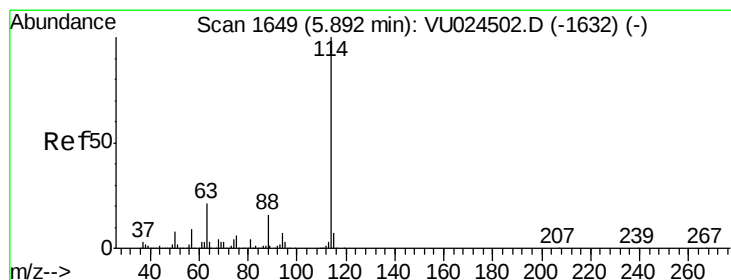
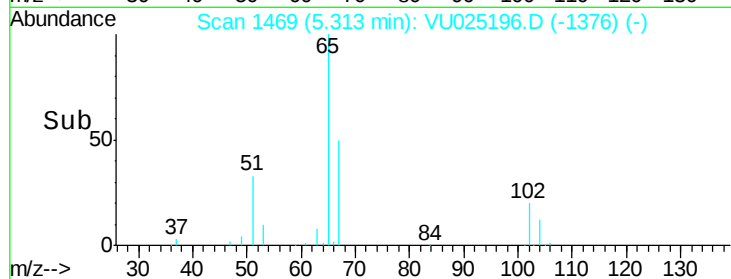
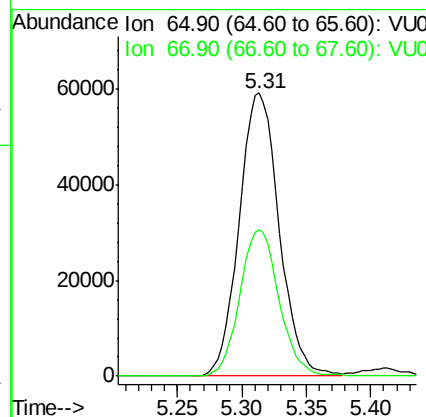
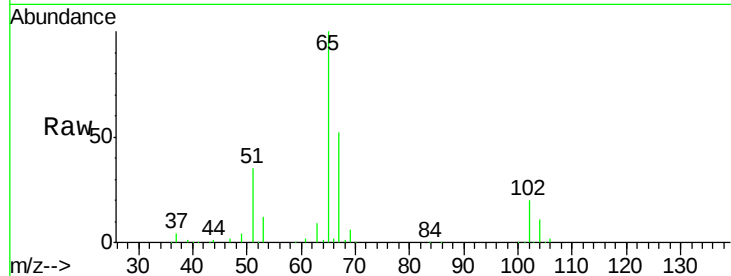
#33
 1,2-Dichloroethane-d4
 Concen: 49.652 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	107.0

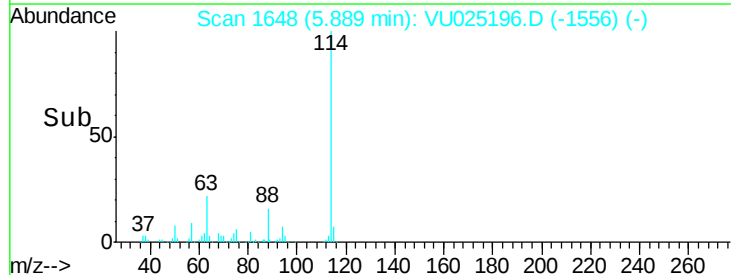
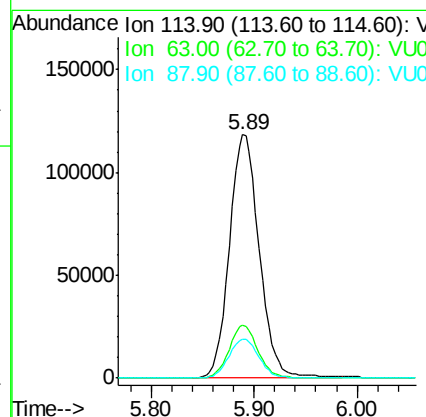
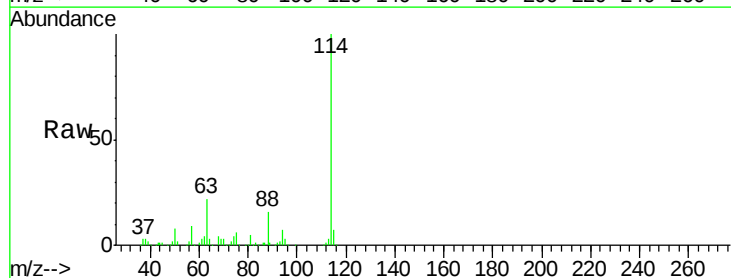
Manual Integrations
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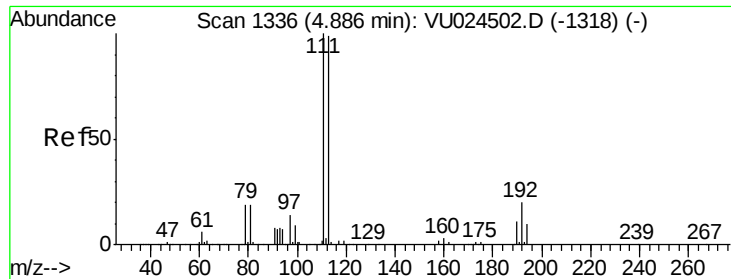
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	45.4
88	16.0	0.0	31.0





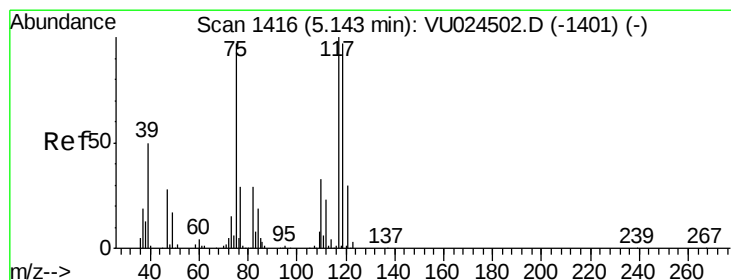
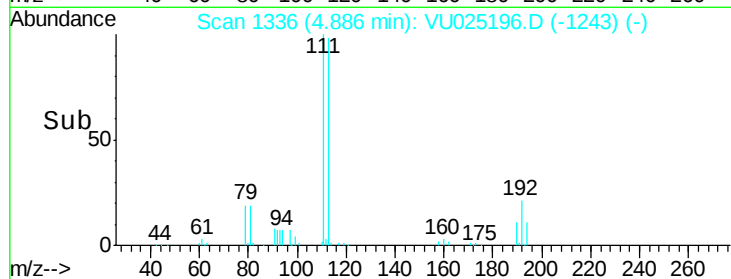
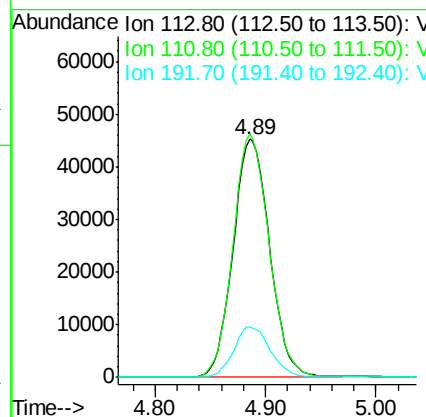
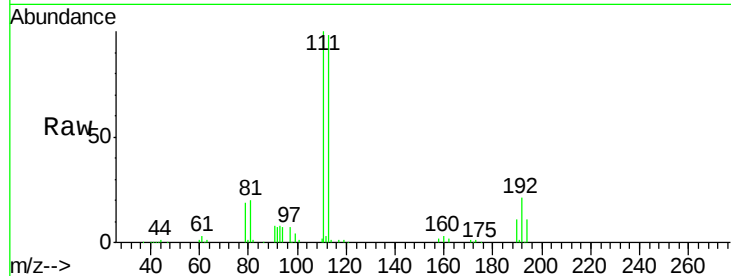
#35
 Dibromofluoromethane
 Concen: 52.528 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.2	123.4
192	21.2	16.2	24.4

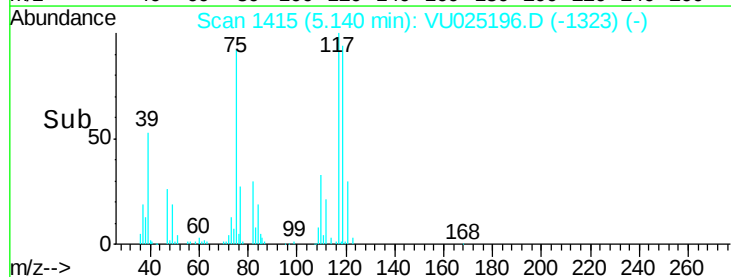
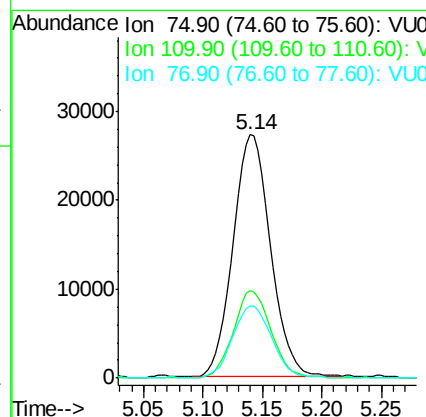
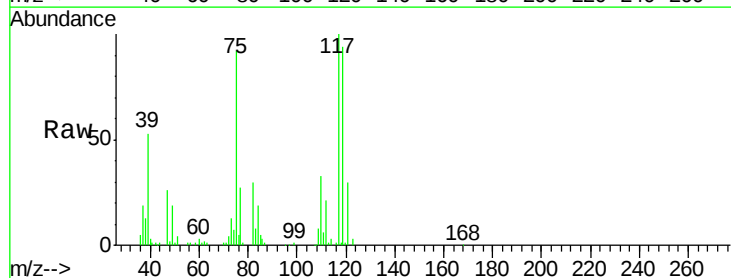
Manual Integrations
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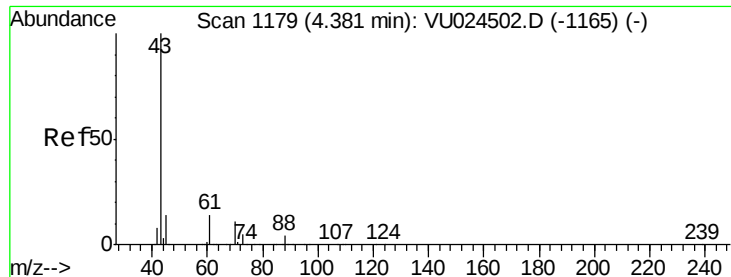
sam
 7/5/2018 2:30:21 PM



#36
 1,1-Dichloropropene
 Concen: 21.117 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.0	50.9
77	31.6	24.2	36.4





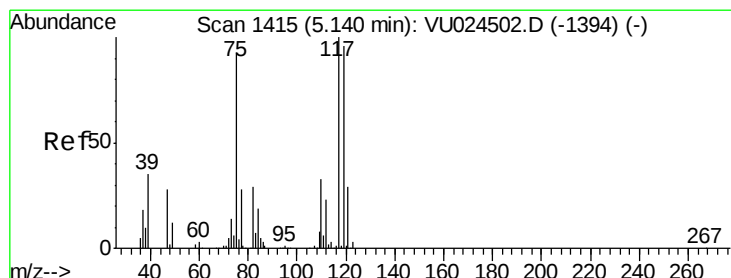
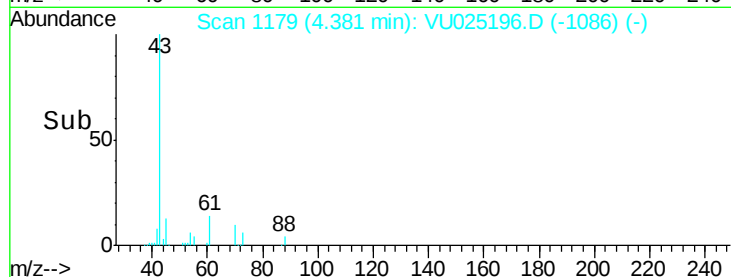
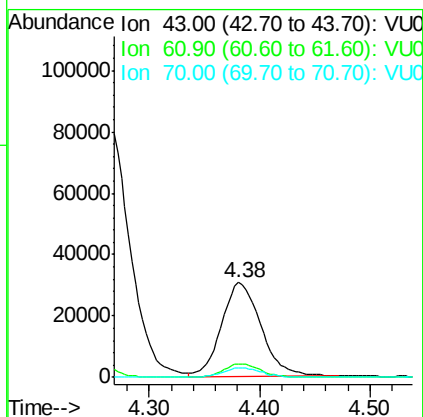
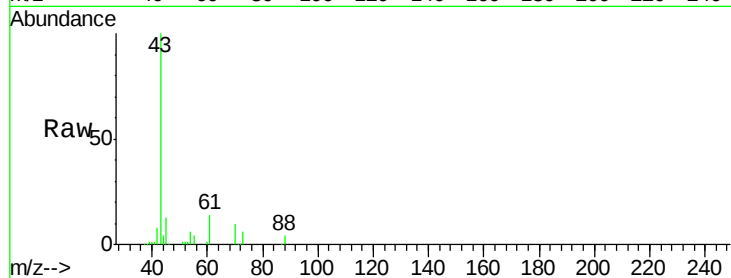
#37
Ethyl Acetate
Concen: 24.783 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	10.2	7.4	11.2

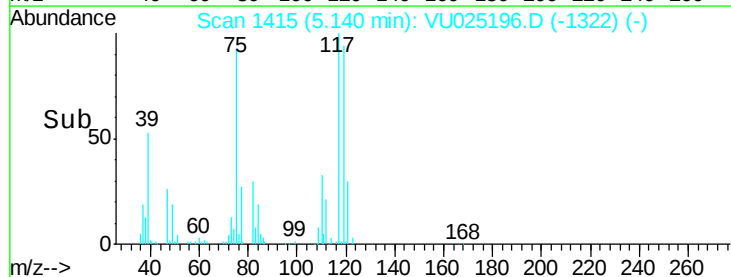
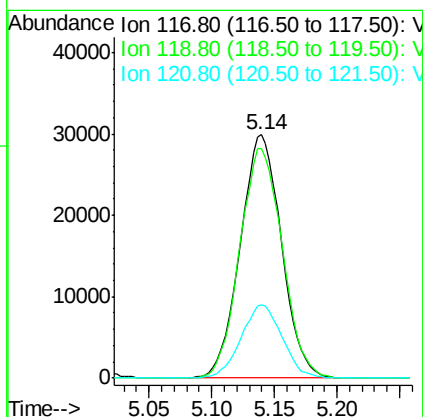
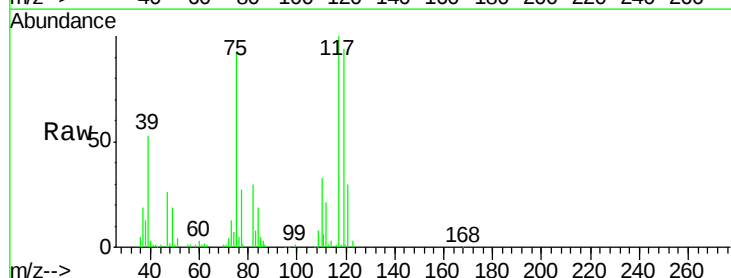
Manual Integrations
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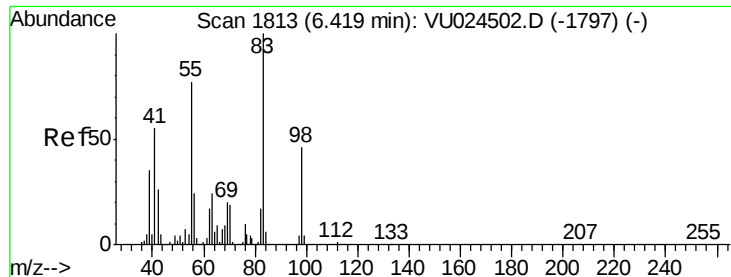
sam
7/5/2018 2:30:21 PM



#38
Carbon Tetrachloride
Concen: 22.148 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.1	114.1
121	30.4	23.7	35.5





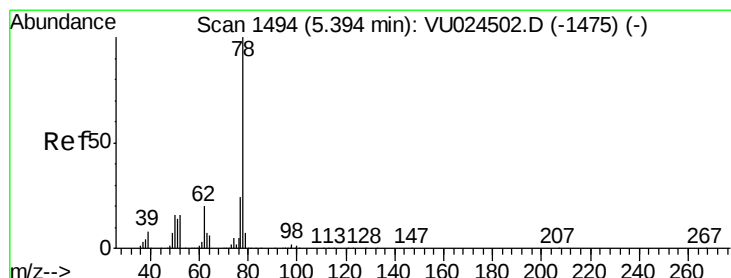
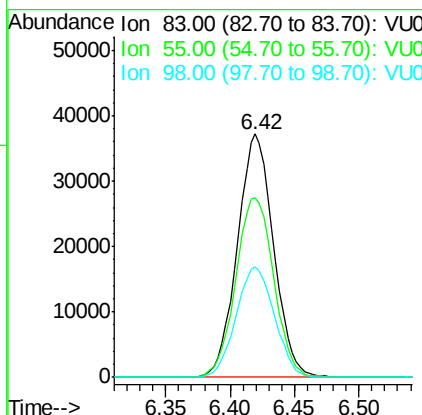
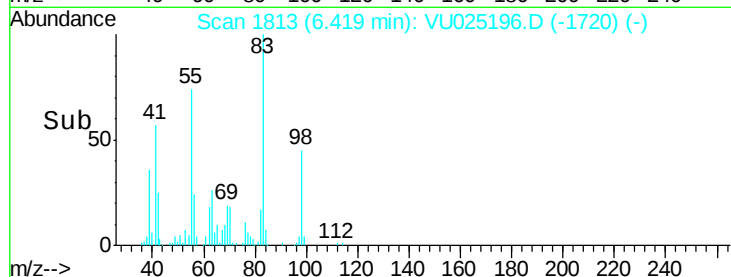
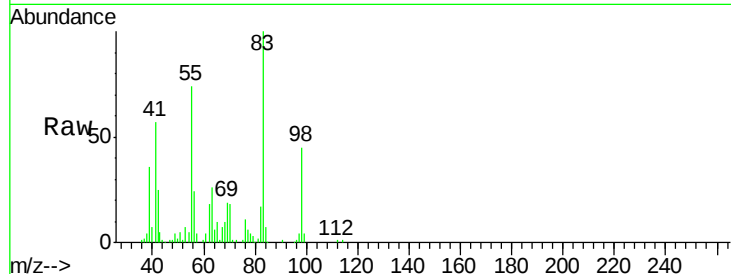
#39
Methvlcvclohexane
Concen: 20.721 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	65.8	98.6
98	45.5	36.7	55.1

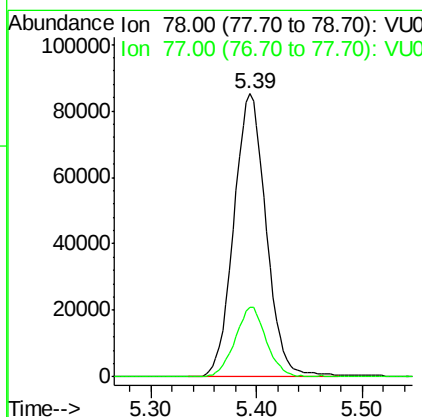
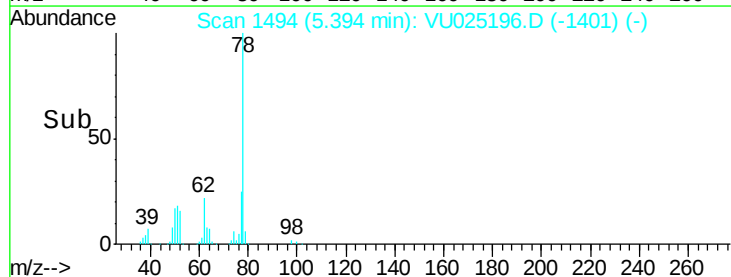
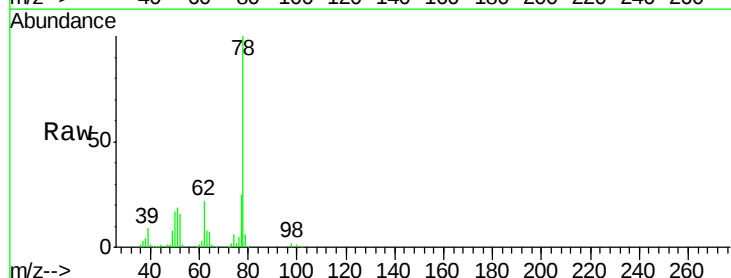
Manual Integrations
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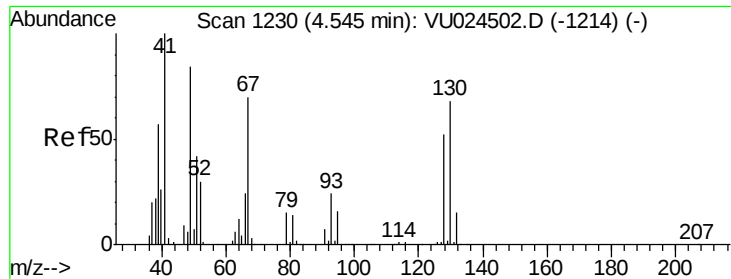
sam
7/5/2018 2:30:21 PM



#40
Benzene
Concen: 22.627 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.2	28.8





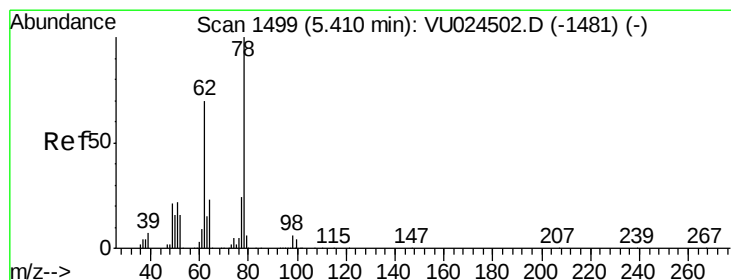
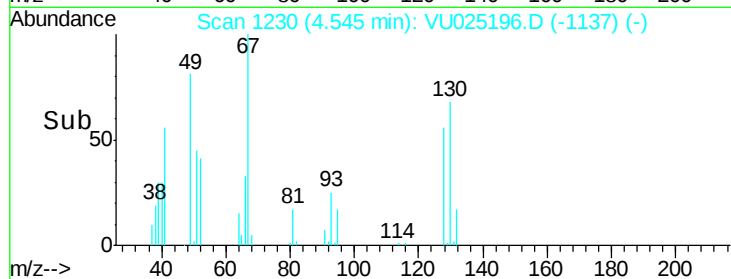
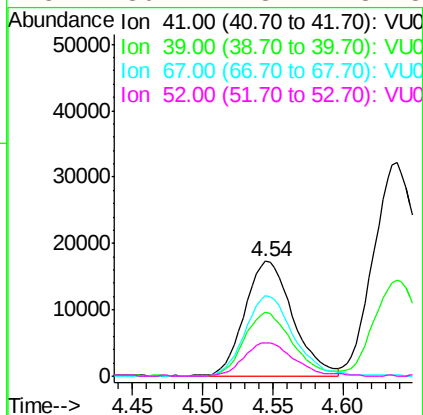
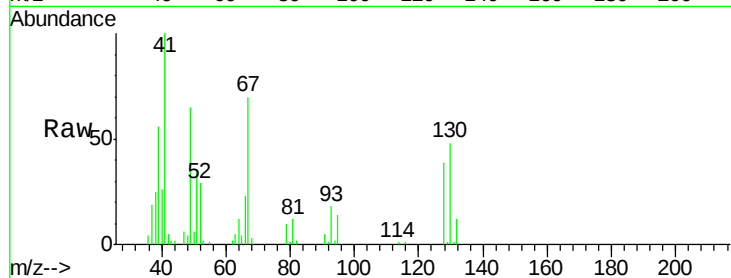
#41
Methacrylonitrile
Concen: 25.266 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		41666		
39	55.8	43.8	65.6		
67	69.8	56.3	84.5		
52	30.1	23.2	34.8		

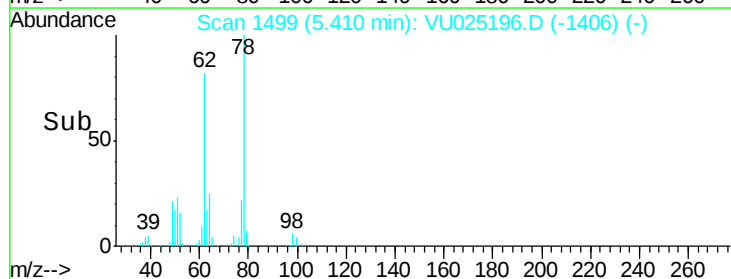
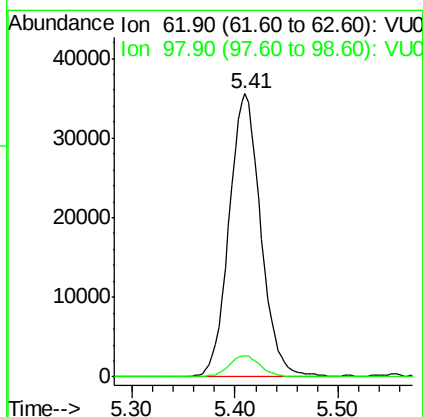
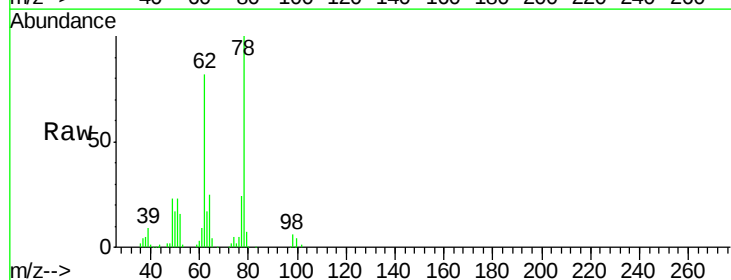
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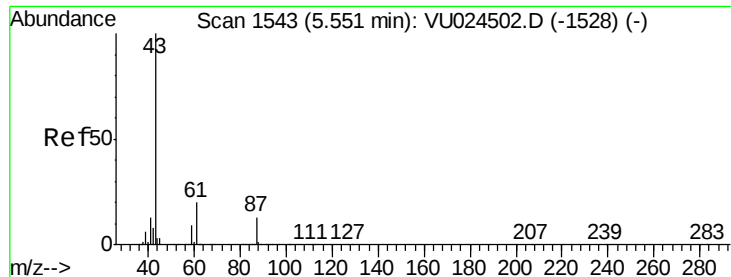
sam
7/5/2018 2:30:21 PM



#42
1,2-Dichloroethane
Concen: 25.012 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		76173		
98	7.4	0.0	16.6		





#43

Isopropyl Acetate

Concen: 22.379 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

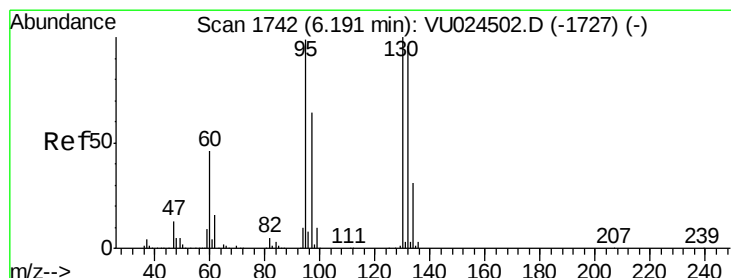
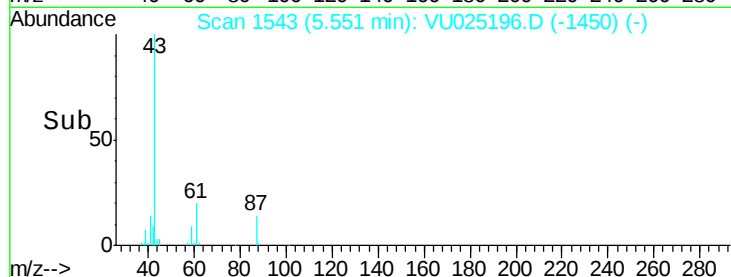
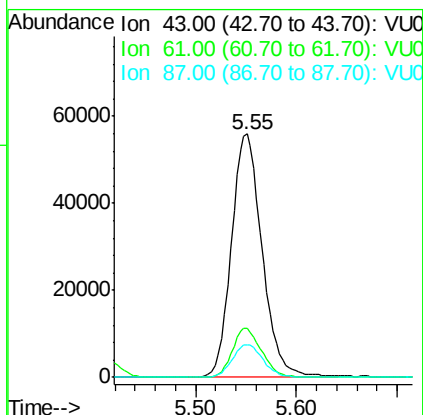
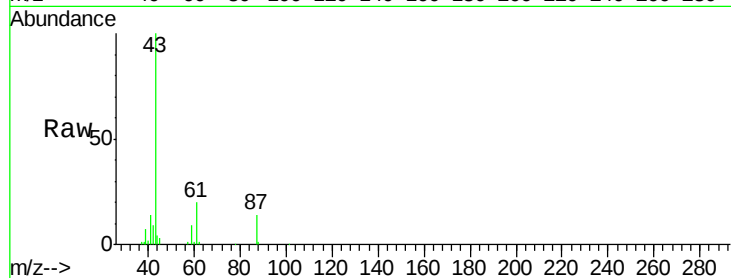
ClientSampleId :

VU0703WBS02

Tot Ion:	43	Resp:	118317
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	13.5	10.0	15.0

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sam
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#44

Trichloroethene

Concen: 21.695 ug/l

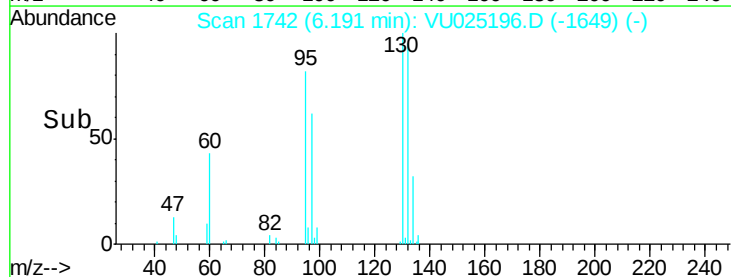
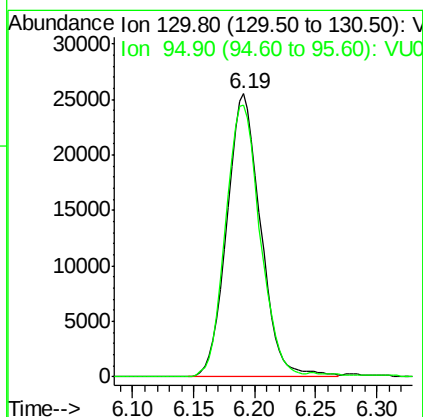
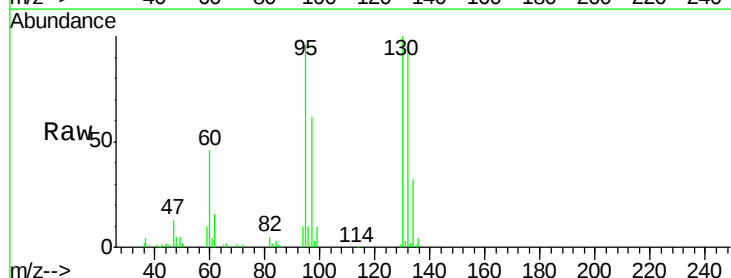
RT: 6.19 min Scan# 1742

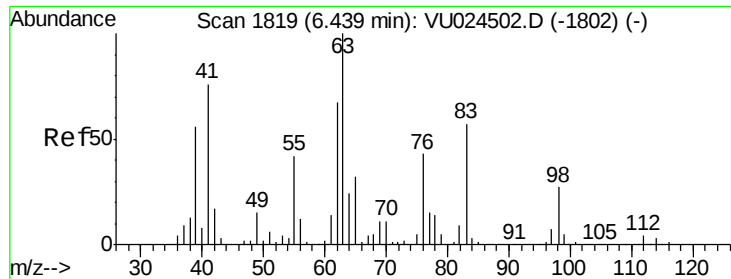
Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Tgt Ion:	130	Resp:	49371
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	202.4





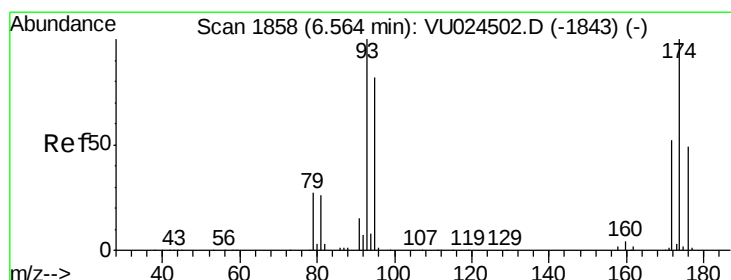
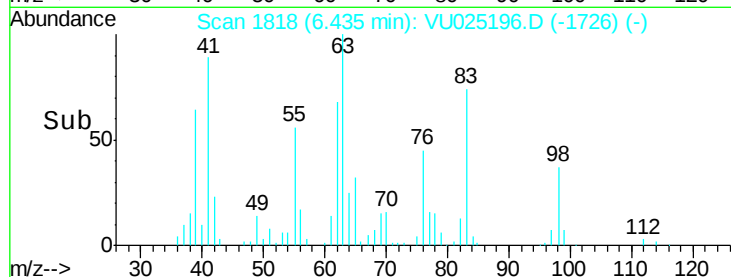
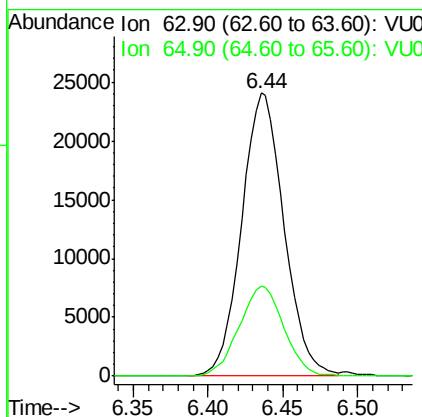
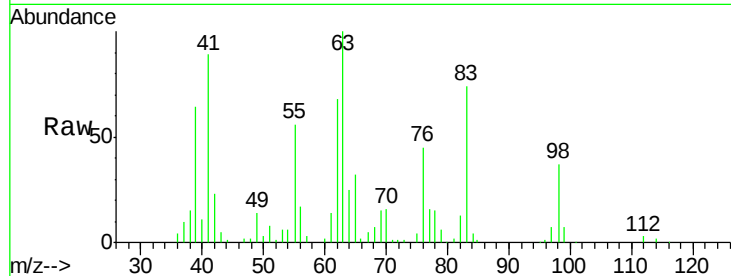
#45
 1,2-Dichloropropane
 Concen: 22.210 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

Tot Ion: 63 Resp: 47387
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.8 37.2

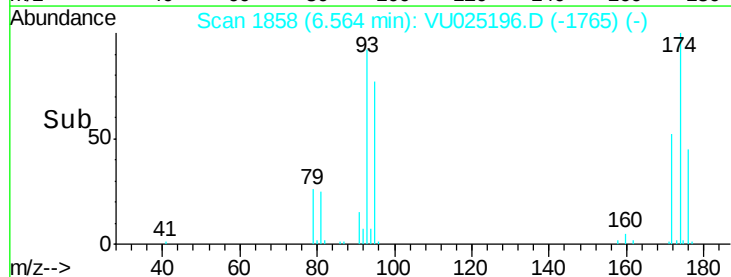
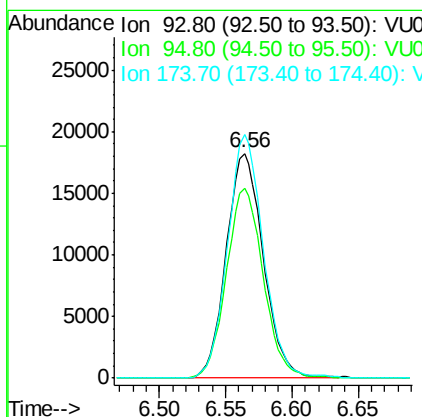
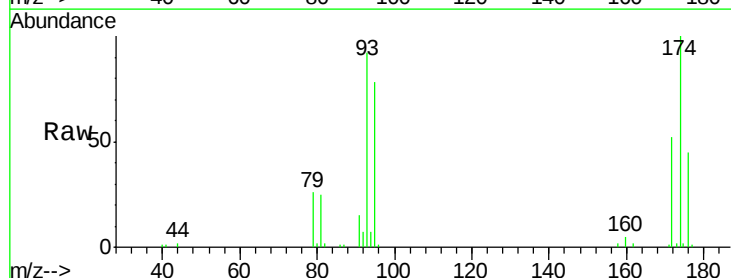
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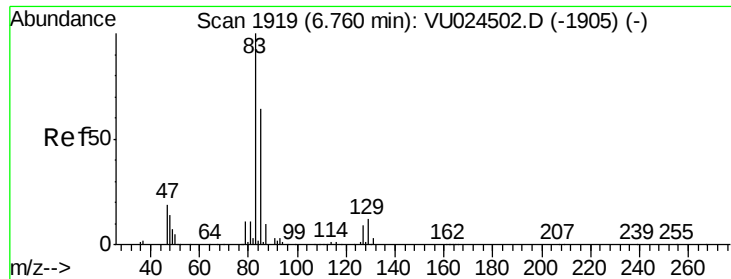
sam
 7/5/2018 2:30:21 PM



#46
 Dibromomethane
 Concen: 23.675 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion: 93 Resp: 35480
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.5 98.3
 174 104.8 78.7 118.1





#47

Bromodichloromethane

Concen: 21.812 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

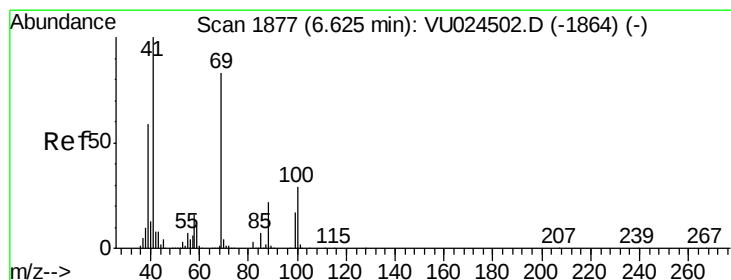
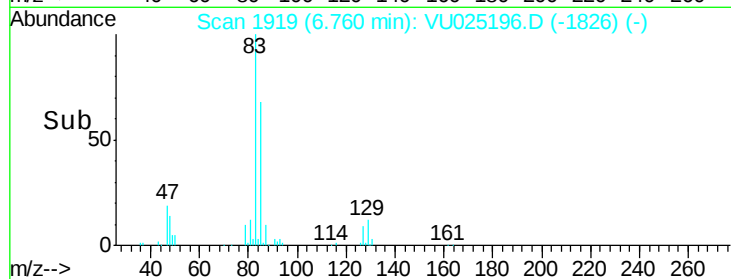
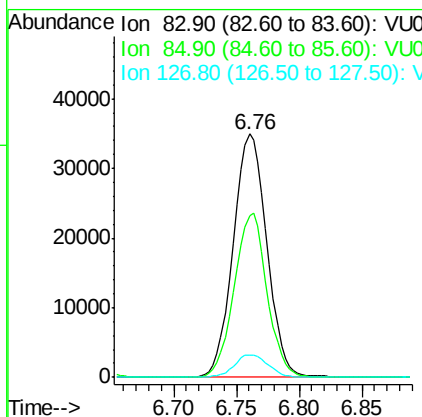
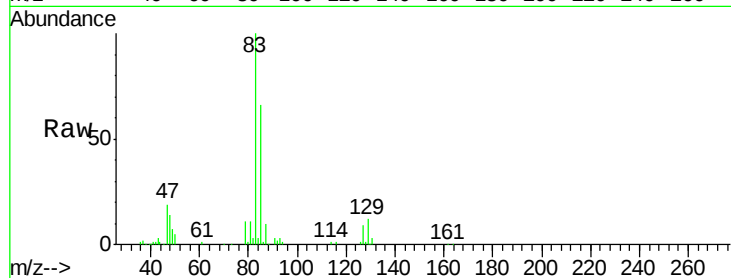
ClientSampleId :

VU0703WBS02

Tot Ion:	83	Resp:	65092
Ion Ratio	Lower	Upper	
83	100		
85	66.4	51.9	77.9
127	9.3	6.6	9.8

Manual Integrations
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Sam
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#48

Methyl methacrylate

Concen: 23.643 ug/l

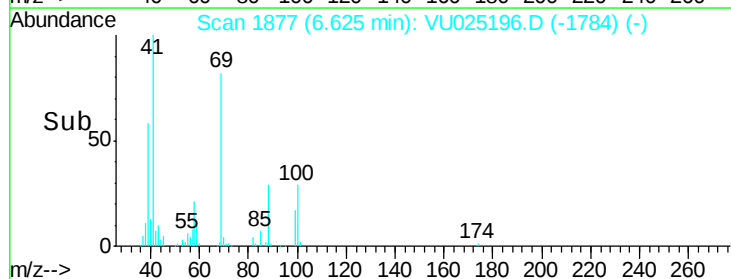
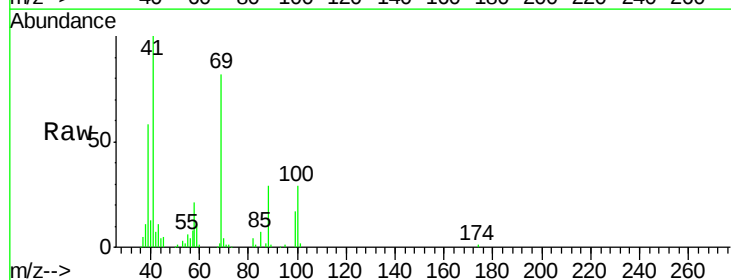
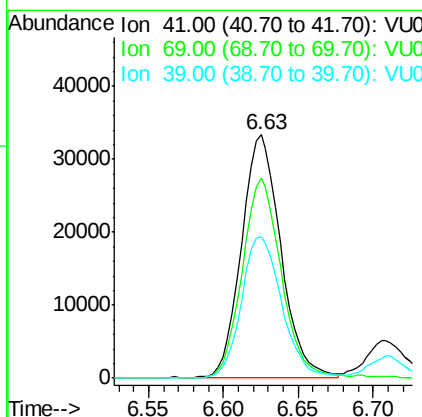
RT: 6.63 min Scan# 1877

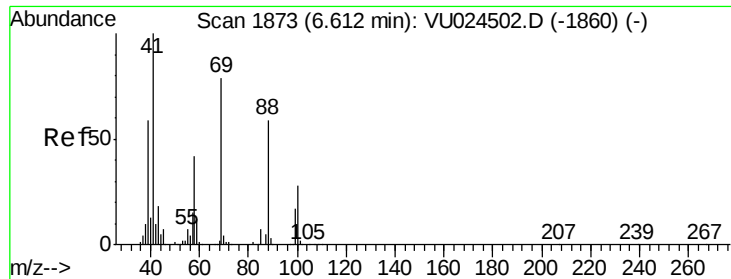
Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Tgt Ion:	41	Resp:	60865
Ion Ratio	Lower	Upper	
41	100		
69	81.7	67.3	100.9
39	60.0	46.5	69.7





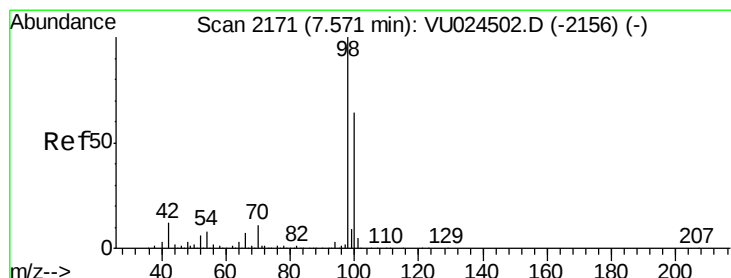
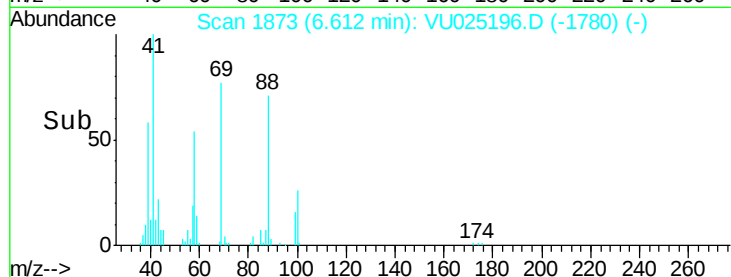
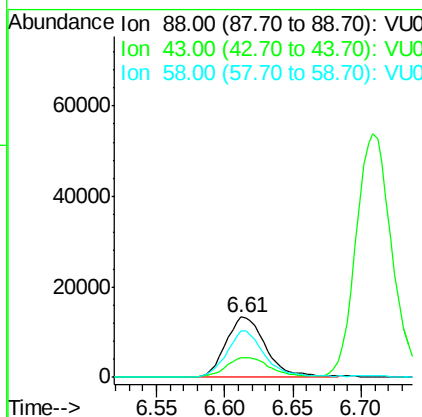
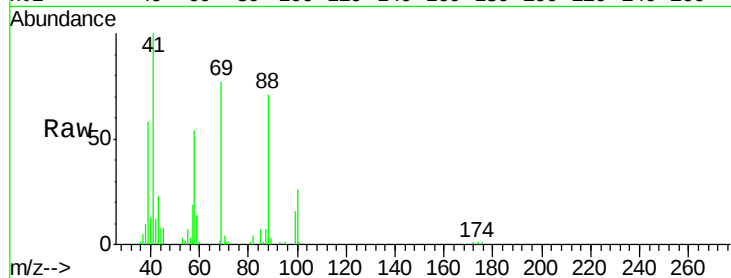
#49
1,4-Dioxane
Concen: 541.063 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	28.6	42.8
58	72.3	58.2	87.4

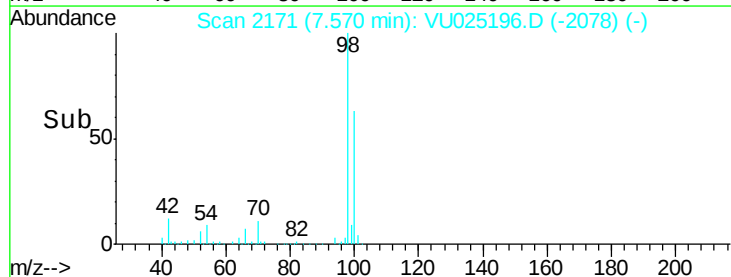
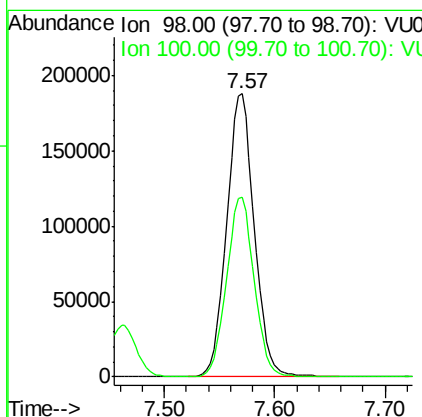
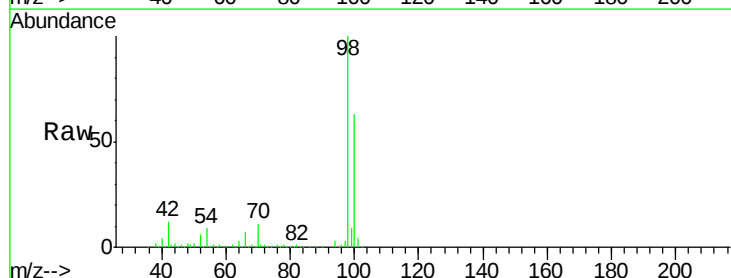
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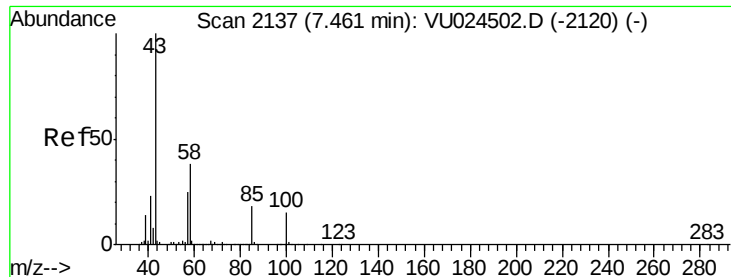
sam
7/5/2018 2:30:21 PM



#50
Toluene-d8
Concen: 45.067 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.1	76.7





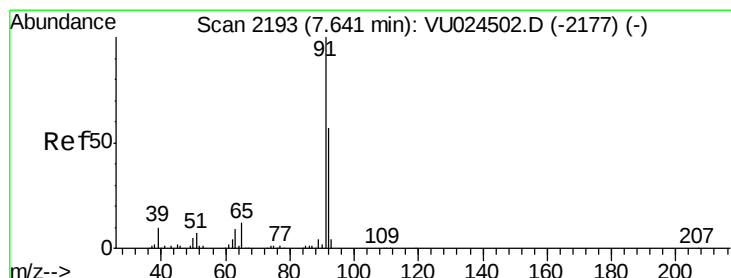
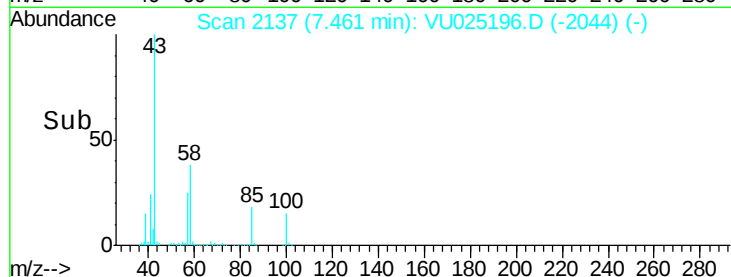
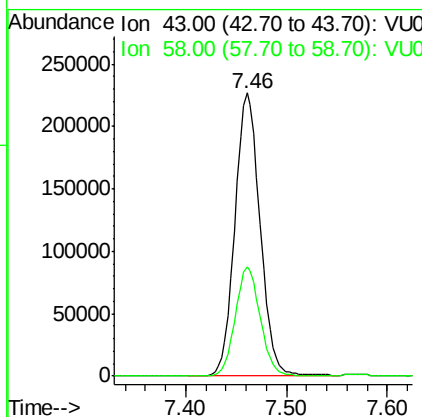
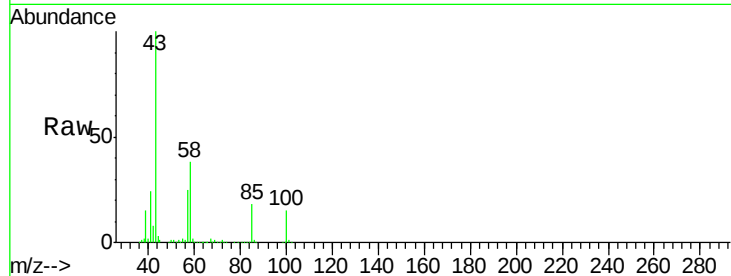
#51
 4-Methyl-2-Pentanone
 Concen: 118.507 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.0	45.0

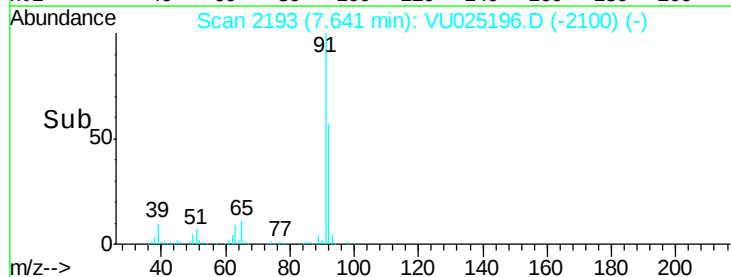
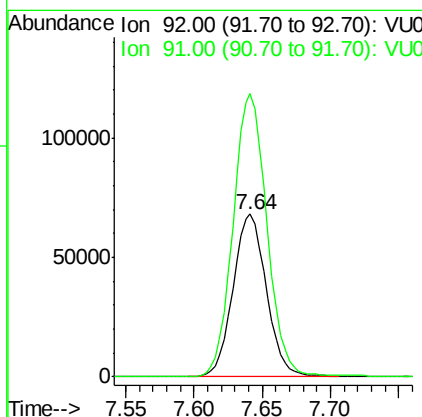
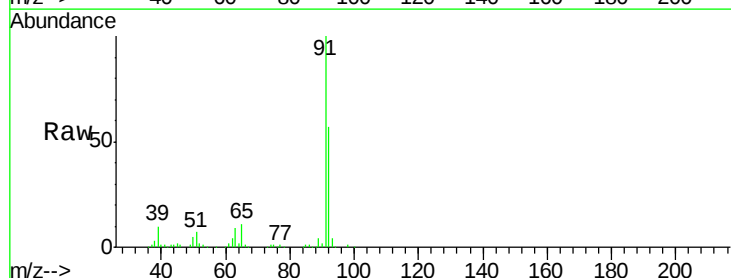
Manual Integrations
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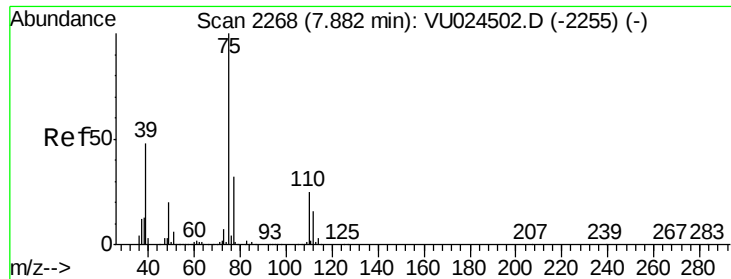
sam
 7/5/2018 2:30:21 PM



#52
 Toluene
 Concen: 22.536 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.5	140.5	210.7





#53

t-1,3-Dichloropropene

Concen: 19.859 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

Tot Ion: 75 Resp: 66553

Ion Ratio Lower Upper

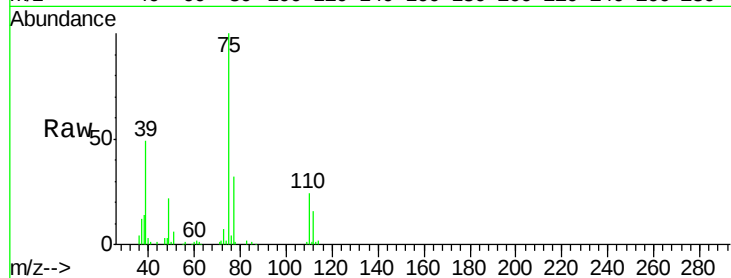
75 100

77 32.0 24.8 37.2

Manual Integrations
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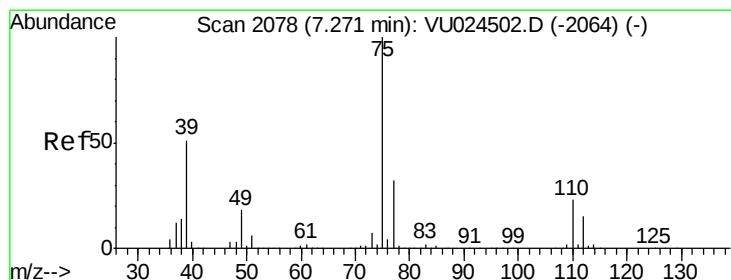
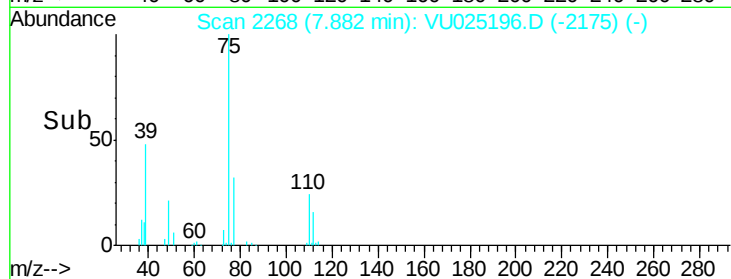
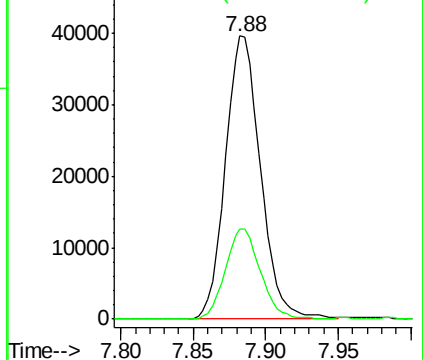
sam

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 20.470 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

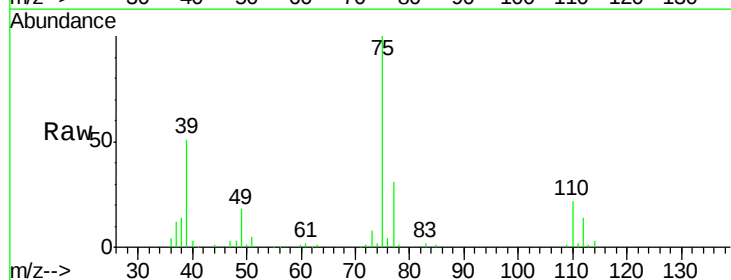
Tgt Ion: 75 Resp: 73100

Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

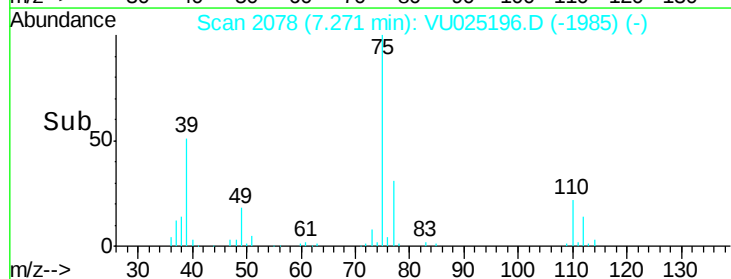
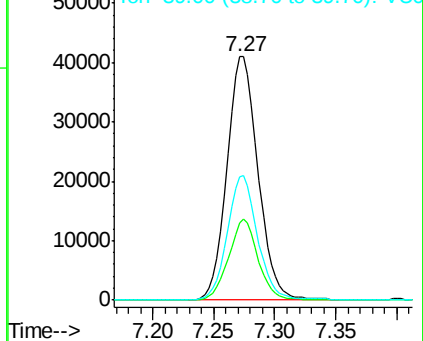
39 50.7 39.8 59.6

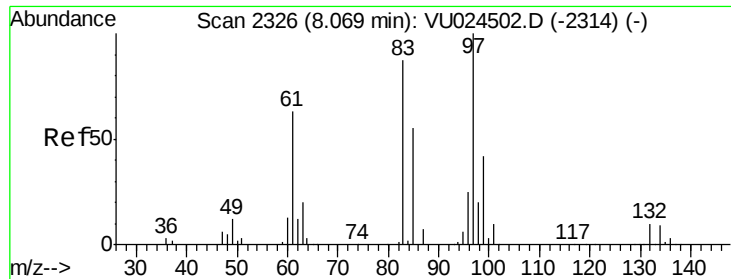


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





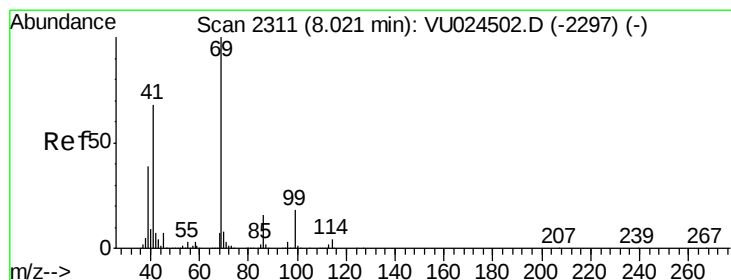
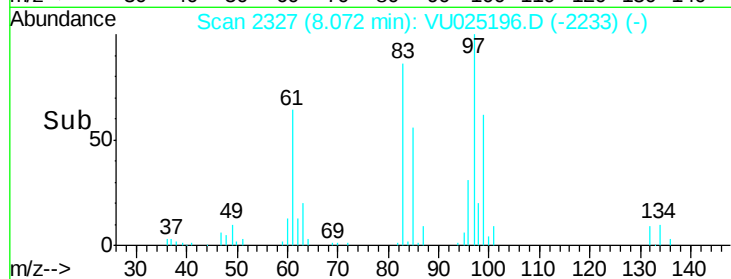
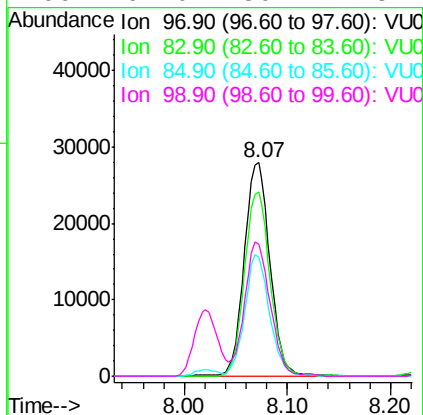
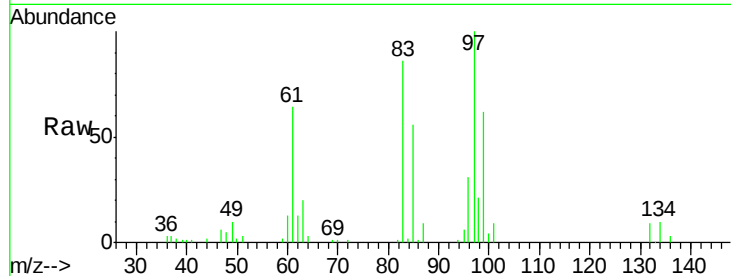
#55
 1,1,2-Trichloroethane
 Concen: 23.253 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

Tot Ion	97	Resp	48625
Ion Ratio	Lower	Upper	
97	100		
83	86.3	70.5	105.7
85	55.6	46.4	69.6
99	62.0	50.2	75.2

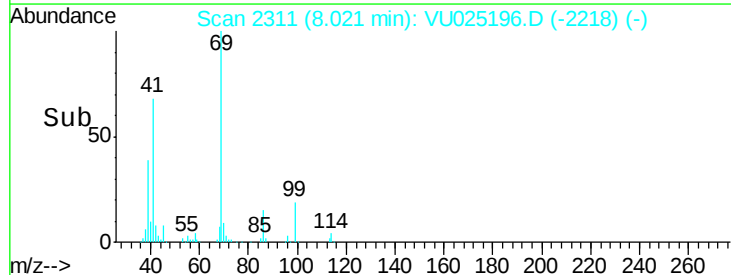
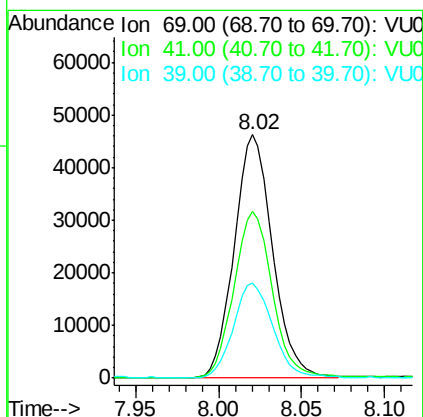
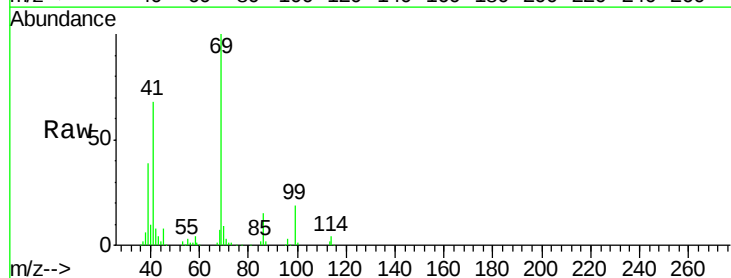
Manual Integrations
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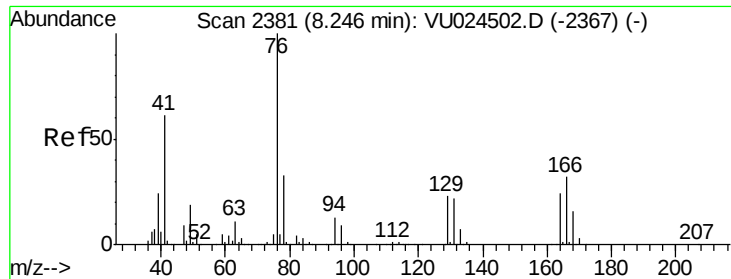
sam
 7/5/2018 2:30:21 PM



#56
 Ethyl methacrylate
 Concen: 21.311 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion	69	Resp	74590
Ion Ratio	Lower	Upper	
69	100		
41	68.6	54.1	81.1
39	39.0	30.3	45.5





#57

1,3-Dichloropropane

Concen: 23.425 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

Tot Ion: 76 Resp: 82633

Ion Ratio Lower Upper

76 100

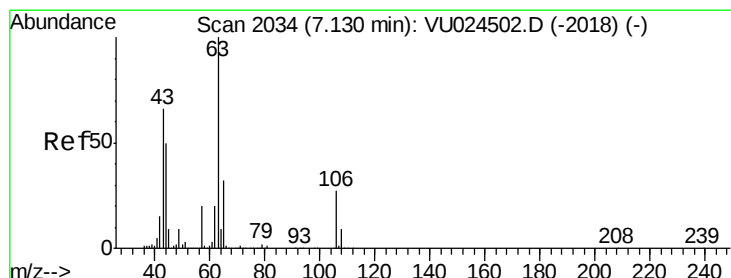
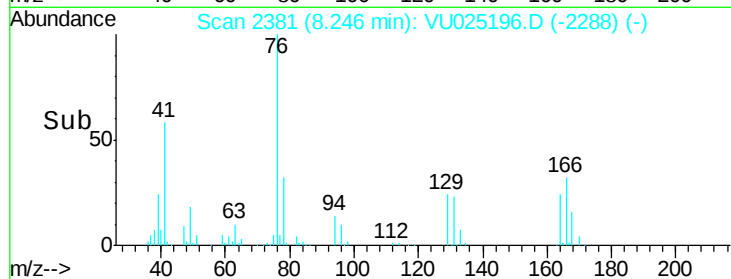
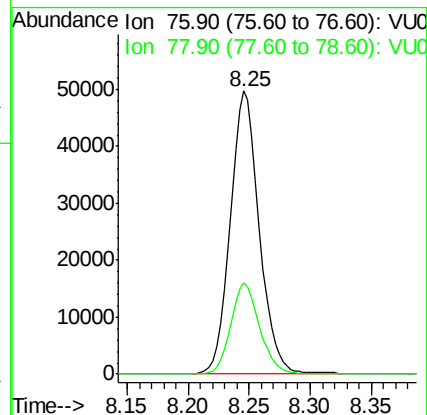
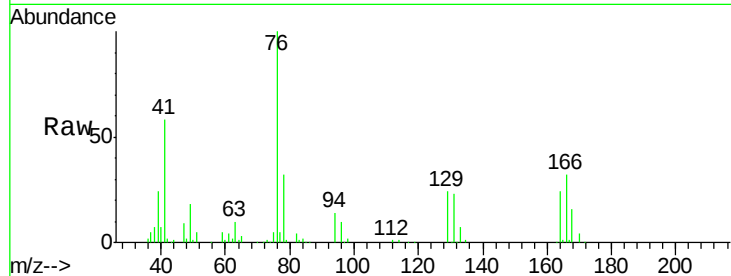
78 32.0 25.2 37.8

Manual Integrations

APPROVED

sam

7/5/2018 2:30:21 PM



#58

2-Chloroethyl Vinyl ether

Concen: 0.433 ug/l

RT: 7.14 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU025196.D

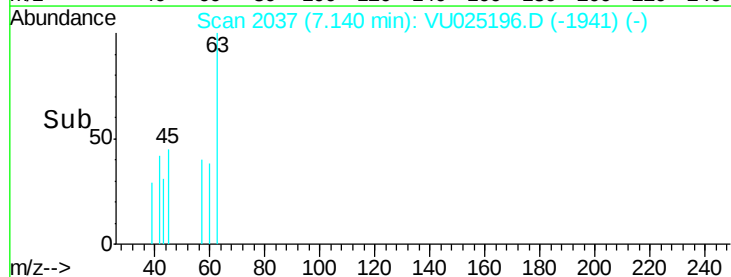
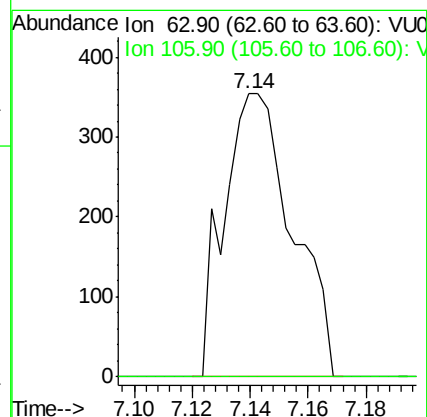
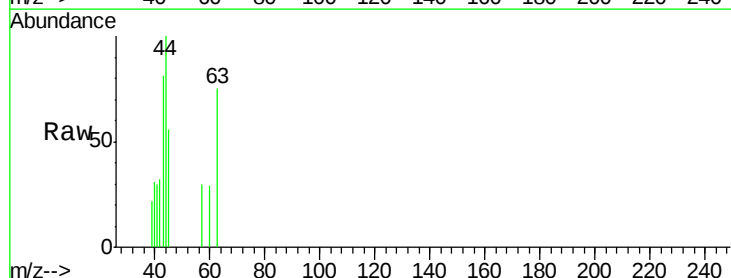
Acq: 03 Jul 2018 18:01

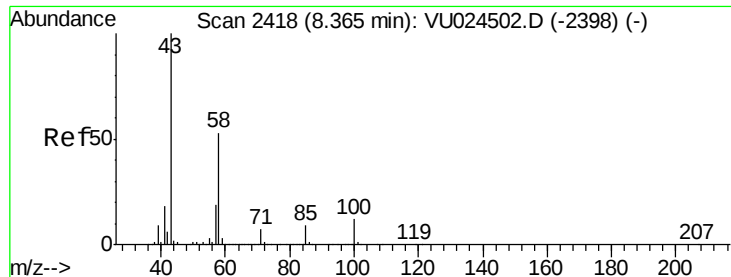
Tgt Ion: 63 Resp: 580

Ion Ratio Lower Upper

63 100

106 0.0 20.2 30.2#





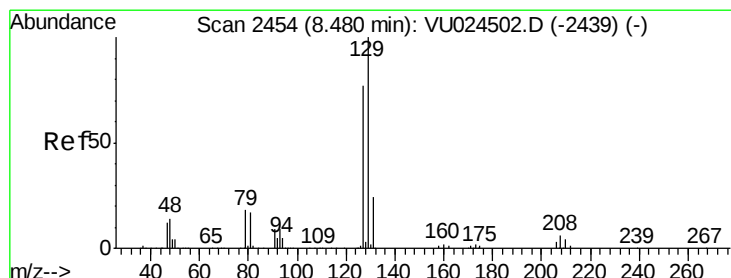
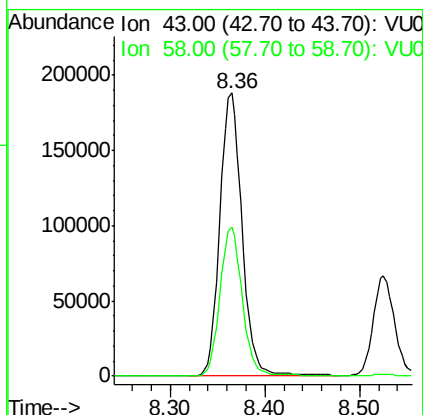
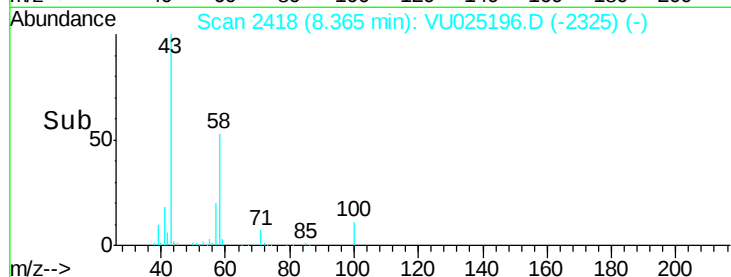
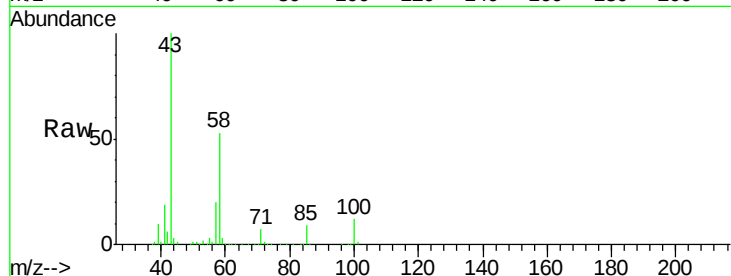
#59
2-Hexanone
Concen: 113.593 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion: 43 Resp: 308027
Ion Ratio Lower Upper
43 100
58 52.3 26.4 79.0

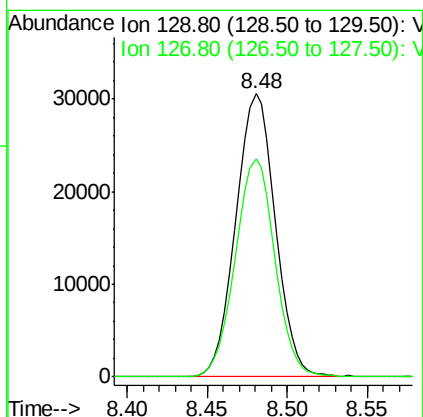
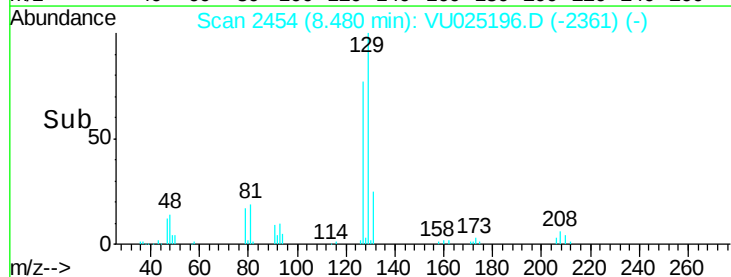
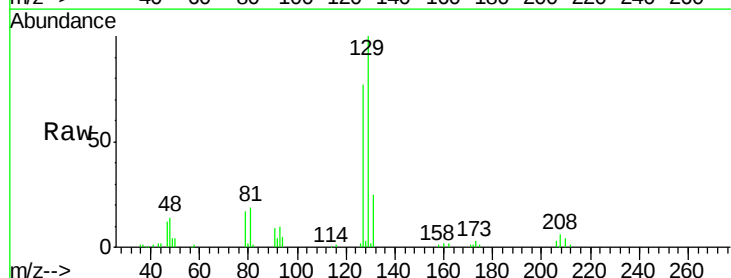
Manual Integrations
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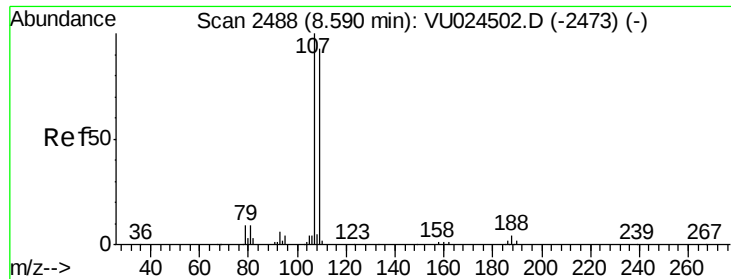
sam
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#60
Dibromochloromethane
Concen: 19.754 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion: 129 Resp: 51511
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0





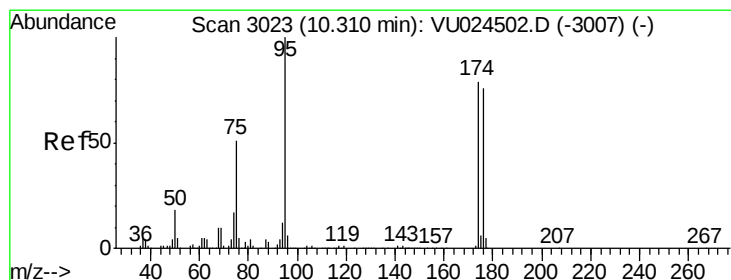
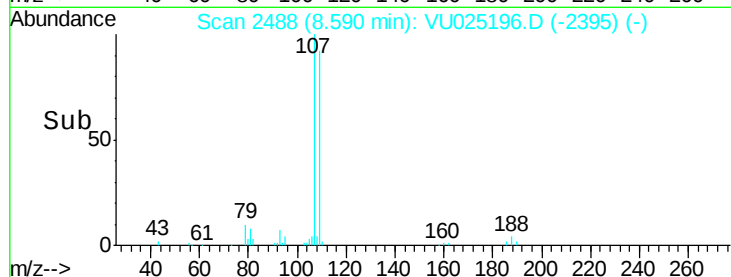
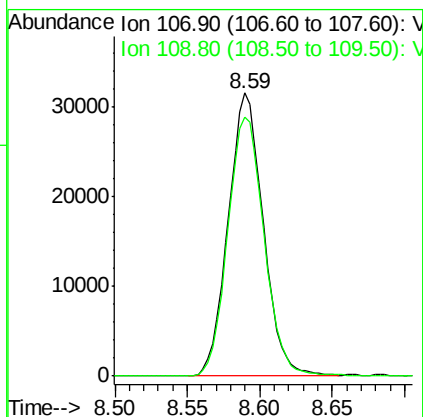
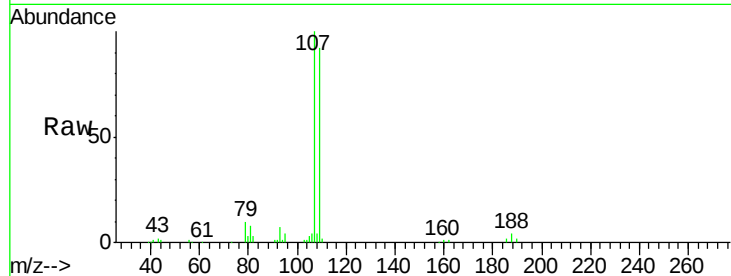
#61
 1,2-Dibromoethane
 Concen: 22.799 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	74.5	111.7

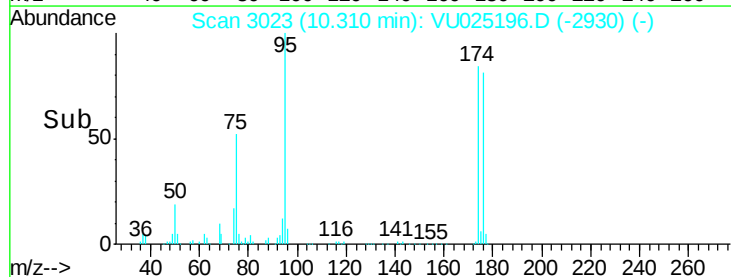
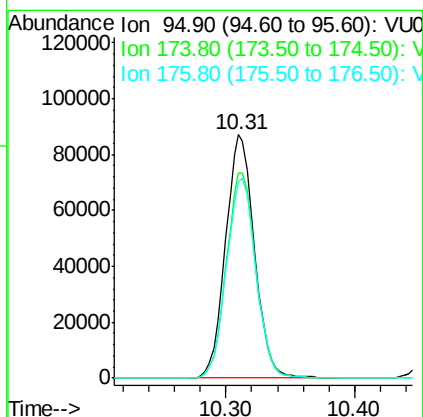
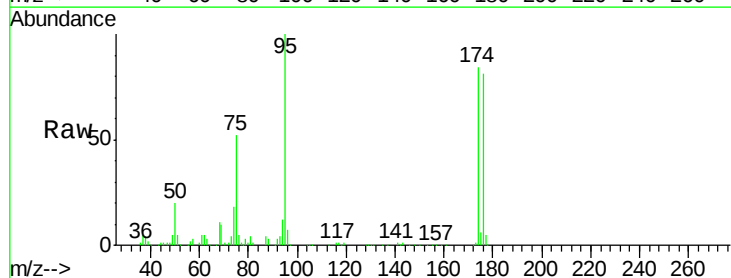
Manual Integrations
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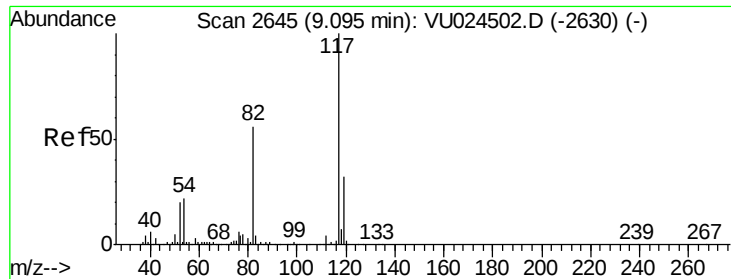
sam
 7/5/2018 2:30:21 PM



#62
 4-Bromofluorobenzene
 Concen: 47.060 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	165.8
176	84.0	0.0	159.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

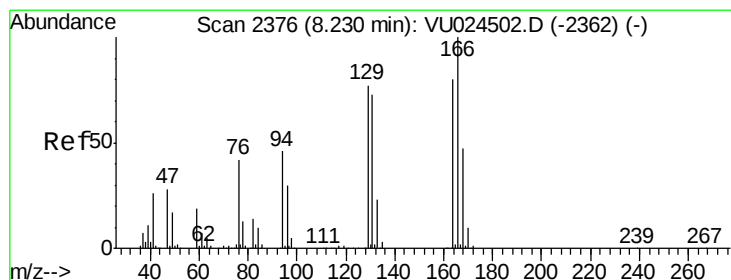
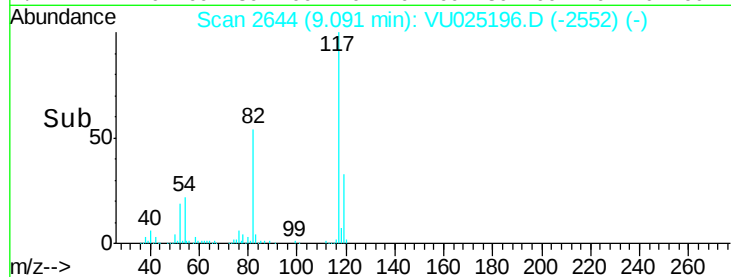
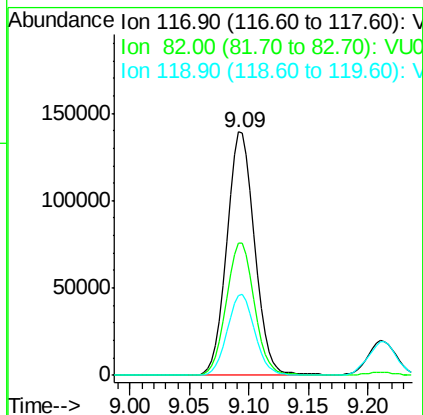
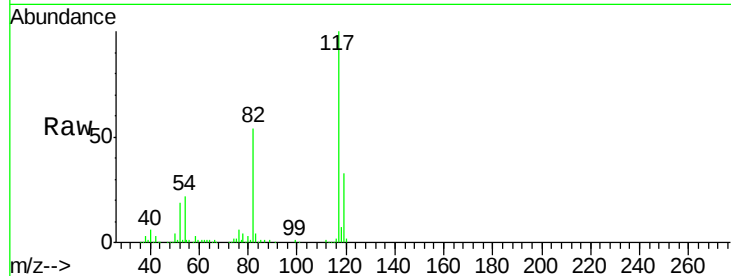
ClientSampleId :

VU0703WBS02

Tot Ion:	117	Resp:	225837
Ion Ratio	Lower	Upper	
117	100		
82	54.3	44.3	66.5
119	33.0	25.4	38.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 22.567 ug/l

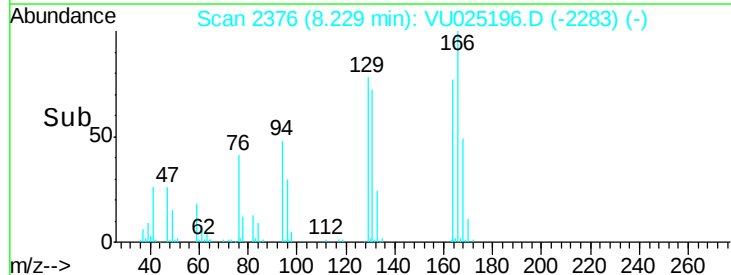
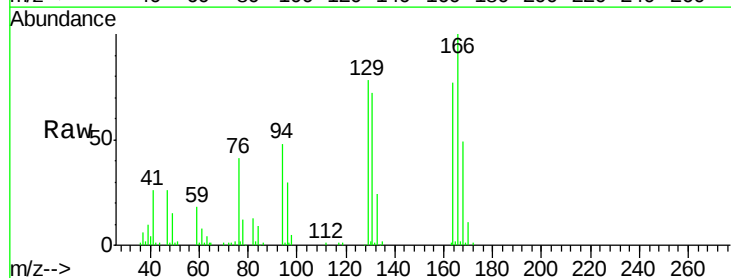
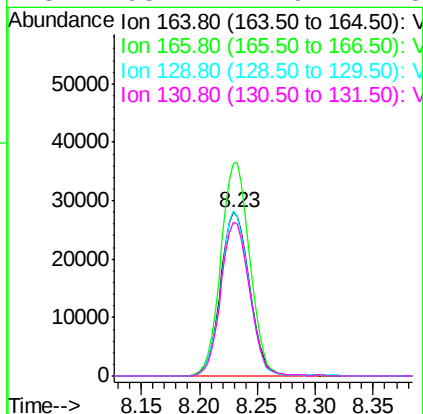
RT: 8.23 min Scan# 2376

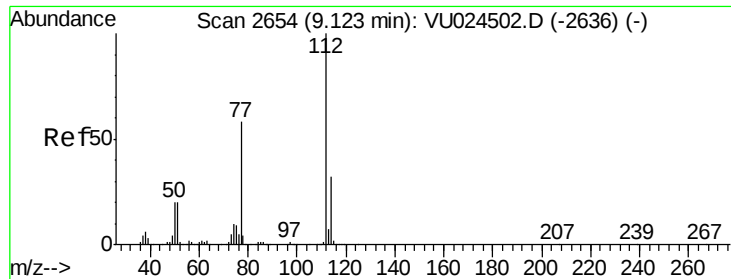
Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Tgt Ion:	164	Resp:	48444
Ion Ratio	Lower	Upper	
164	100		
166	130.1	101.7	152.5
129	101.0	76.9	115.3
131	93.7	74.9	112.3





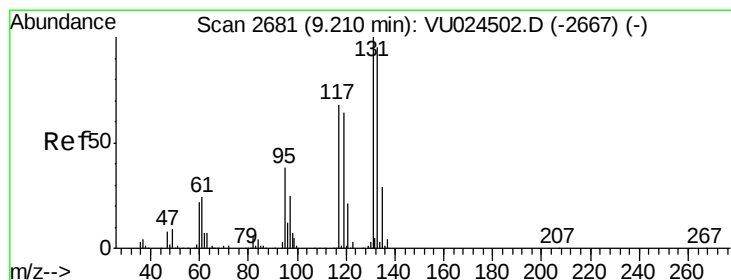
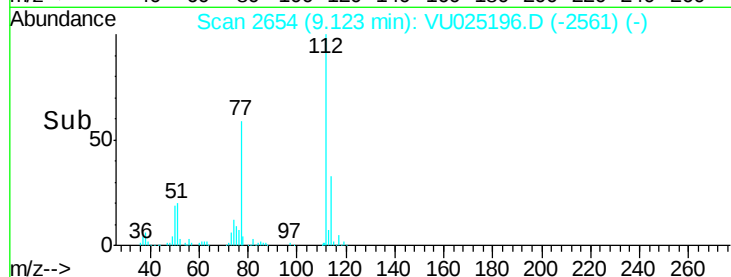
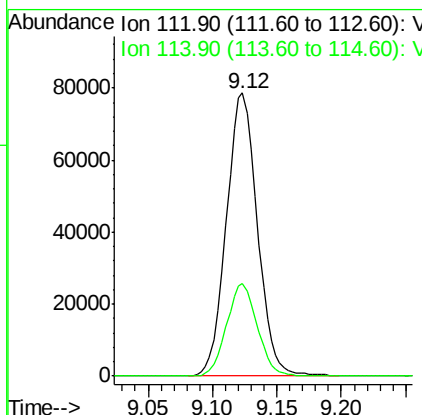
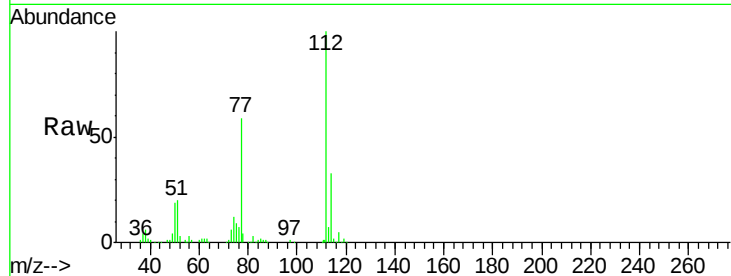
#65
Chlorobenzene
Concen: 22.806 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.6	38.4

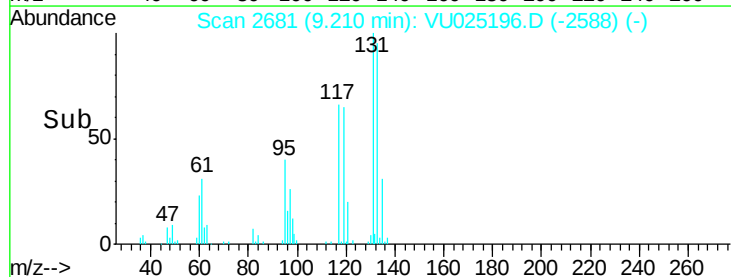
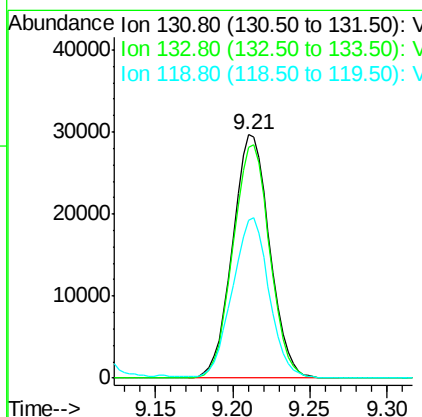
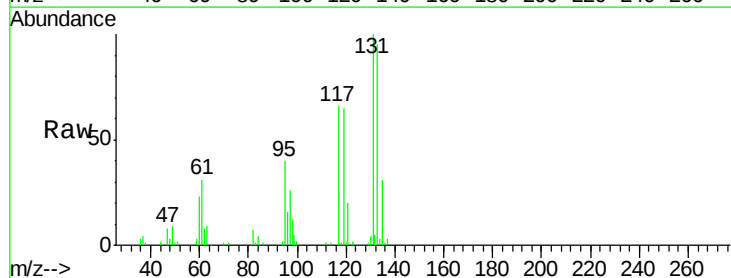
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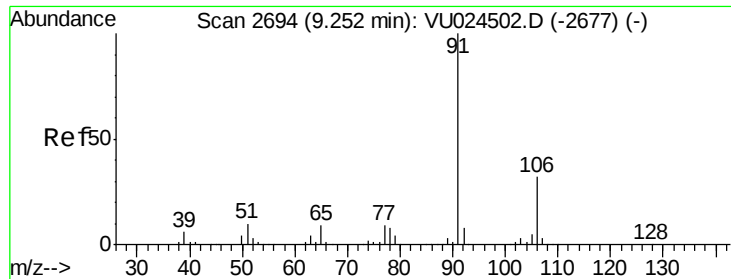
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.537 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	46.9	140.8
119	65.4	33.5	100.4





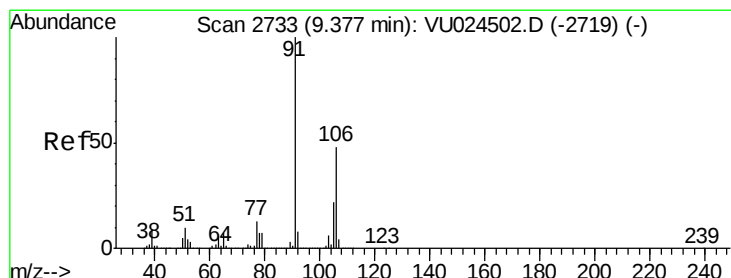
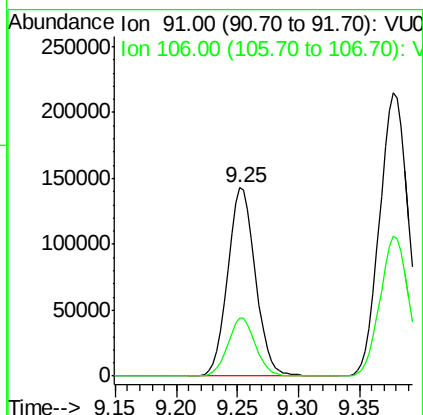
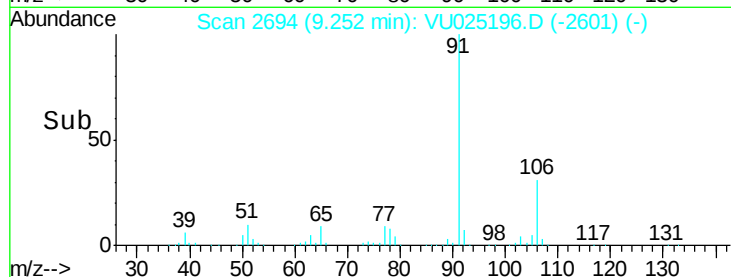
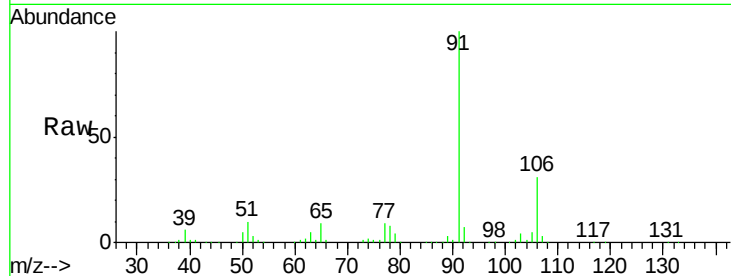
#67
Ethyl Benzene
Concen: 22.504 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion: 91 Resp: 227607
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.4

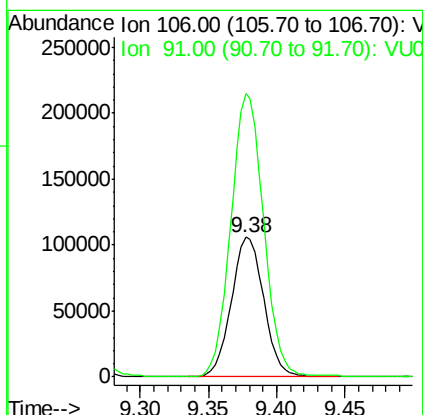
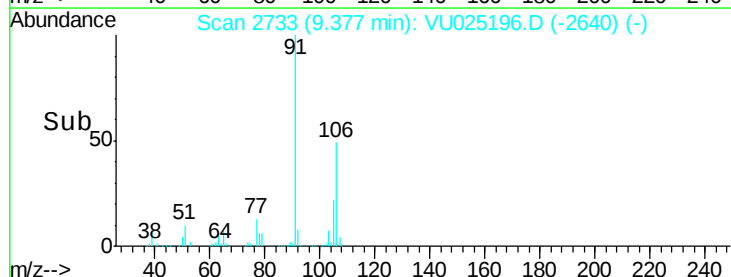
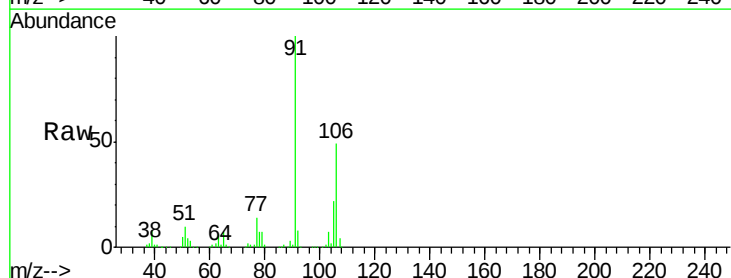
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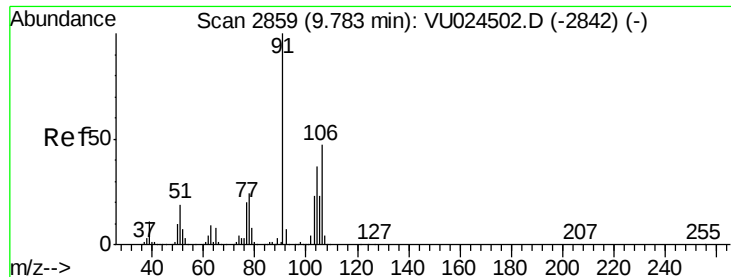
sam
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#68
m/p-Xylenes
Concen: 45.081 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion: 106 Resp: 175084
Ion Ratio Lower Upper
106 100
91 204.6 166.5 249.7





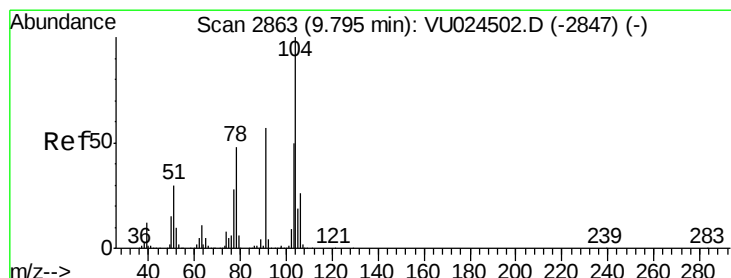
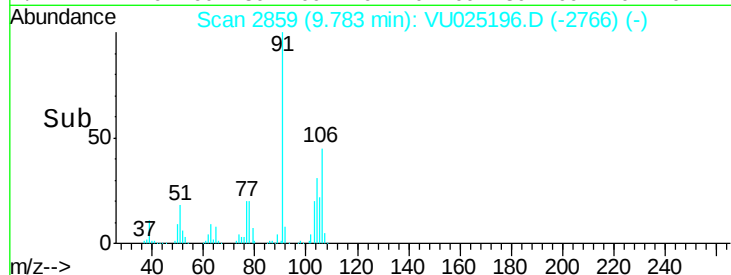
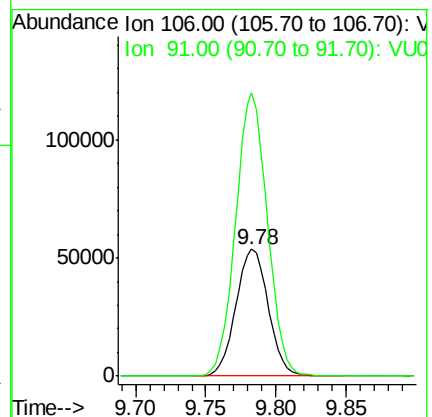
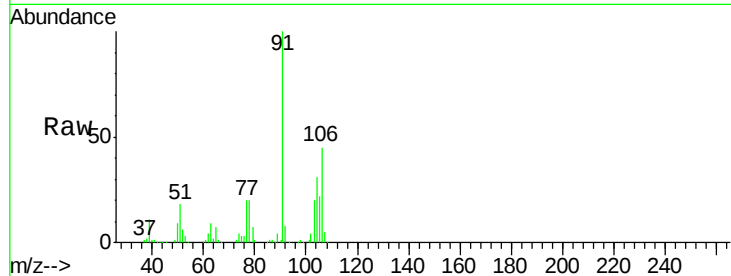
#69
o-Xylene
Concen: 22.564 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion:106 Resp: 86727
Ion Ratio Lower Upper
106 100
91 218.3 110.7 331.9

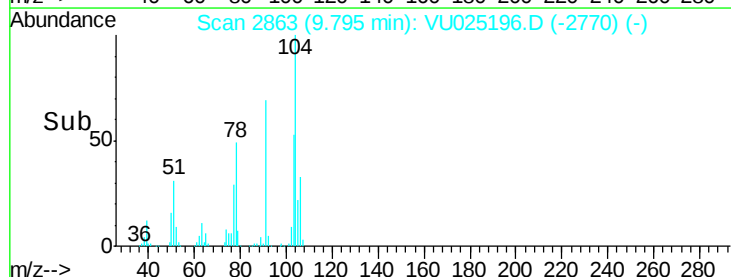
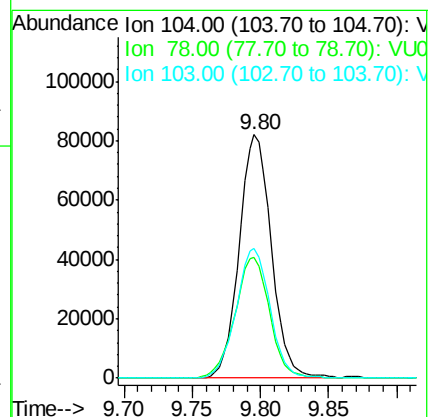
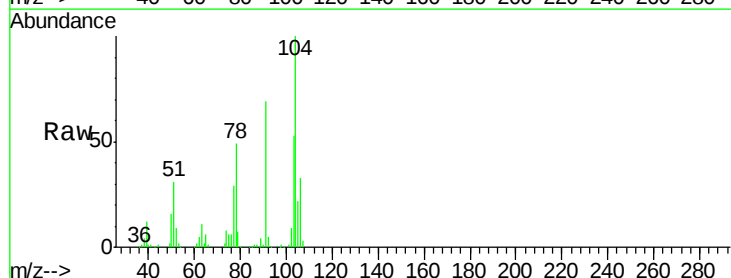
Manual Integrations
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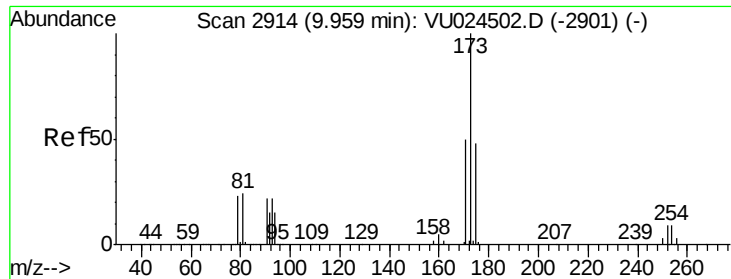
sam
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#70
Styrene
Concen: 21.265 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion:104 Resp: 134319
Ion Ratio Lower Upper
104 100
78 53.5 40.6 60.8
103 56.3 44.7 67.1





#71

Bromoform

Concen: 18.772 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

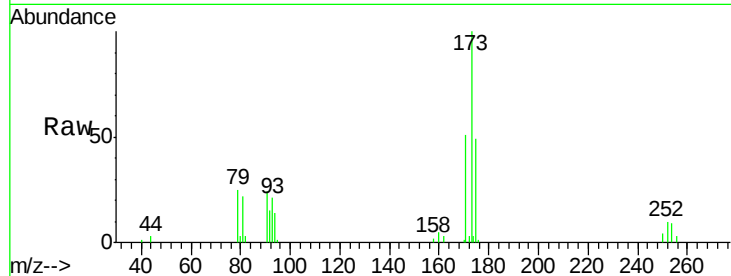
ClientSampleId :

VU0703WBS02

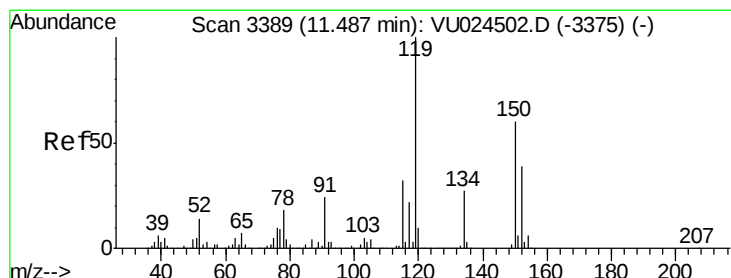
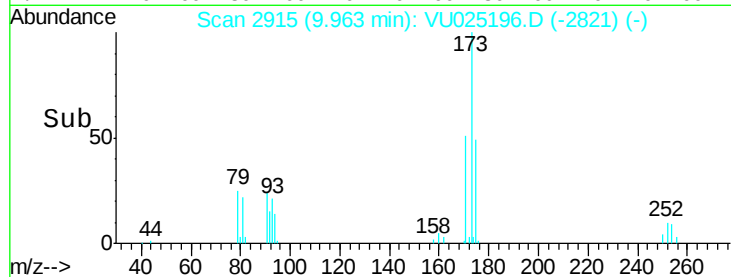
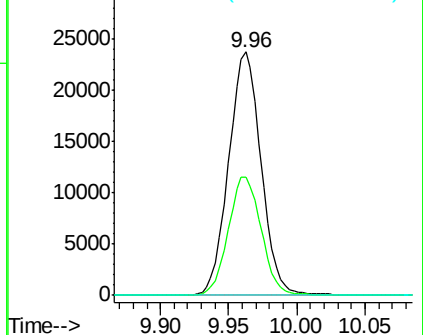
Tot Ion:173	Resp:	39109
Ion Ratio	Lower	Upper
173 100		
175 49.4	24.6	74.0
254 0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

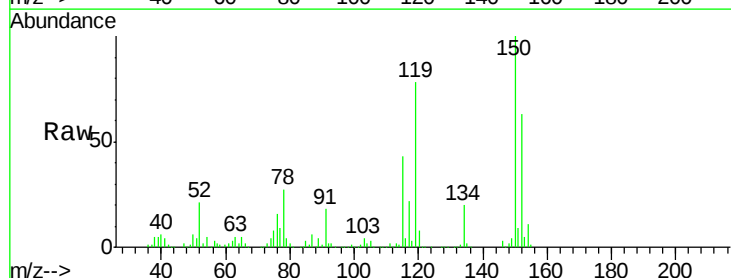
RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

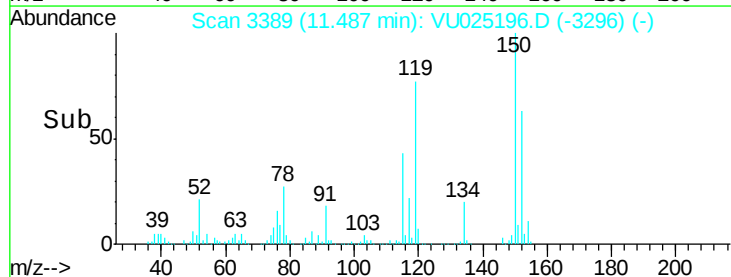
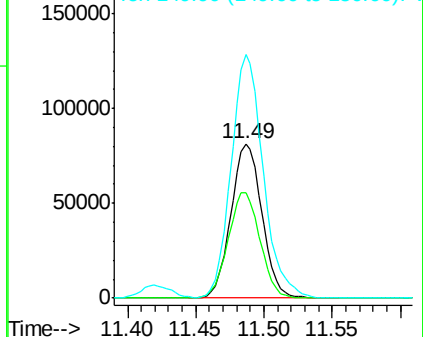
Lab File: VU025196.D

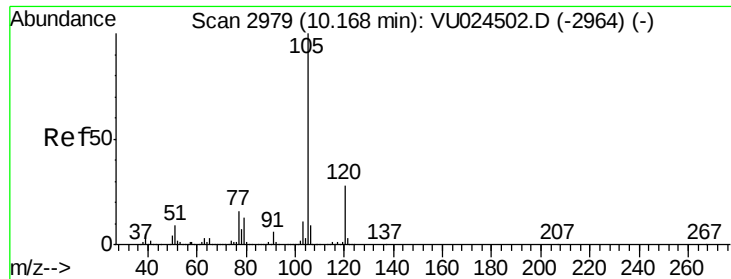
Acq: 03 Jul 2018 18:01

Tgt Ion:152	Resp:	128278
Ion Ratio	Lower	Upper
152 100		
115 70.1	43.0	129.0
150 163.8	0.0	354.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.869 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

Tot Ion: 105 Resp: 235079

Ion Ratio Lower Upper

105 100

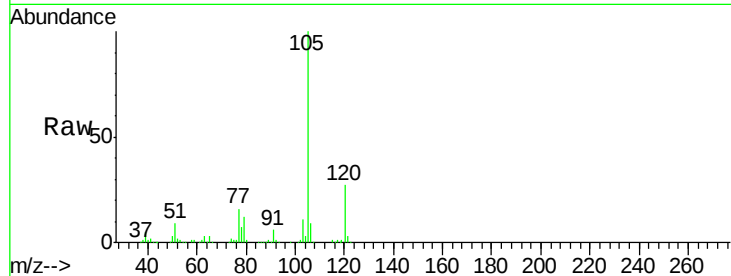
120 26.7 13.2 39.6

Manual Integrations

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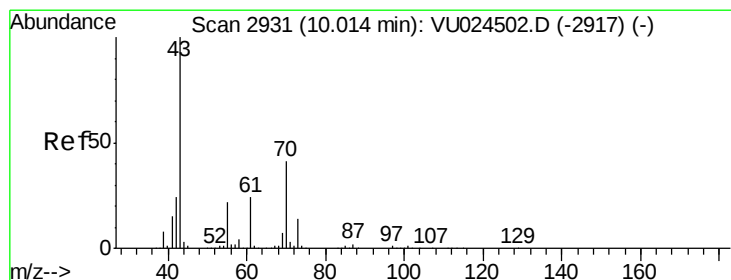
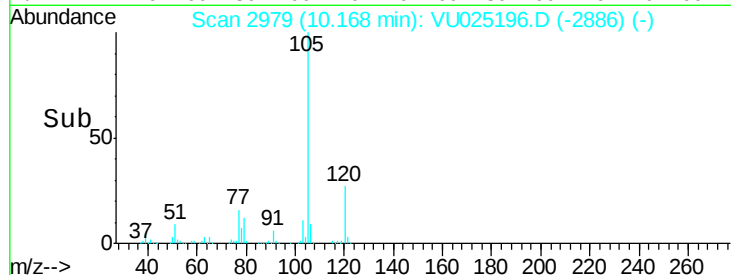
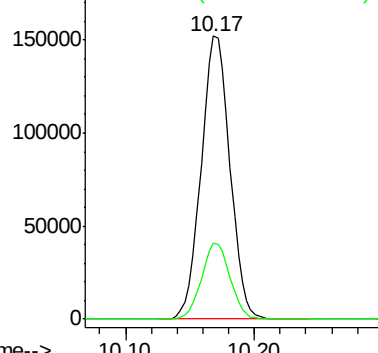
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.145 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Tgt Ion: 43 Resp: 99056

Ion Ratio Lower Upper

43 100

70 40.5 32.2 48.4

55 23.5 20.5 30.7

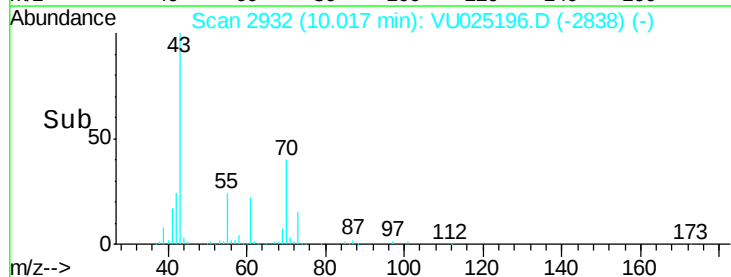
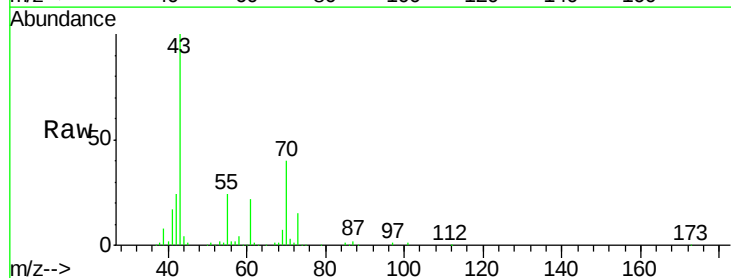
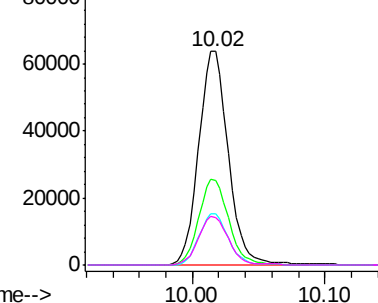
61 23.0 18.7 28.1

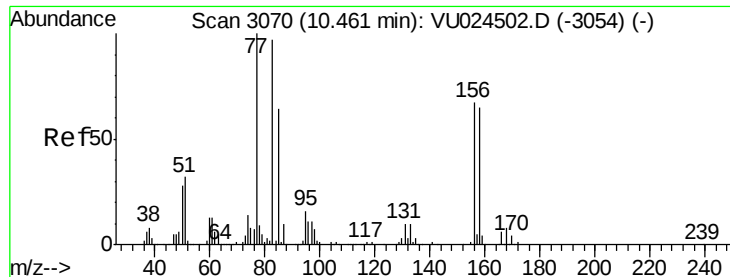
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.037 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

Tot Ion: 83 Resp: 79330

Ion Ratio Lower Upper

83 100

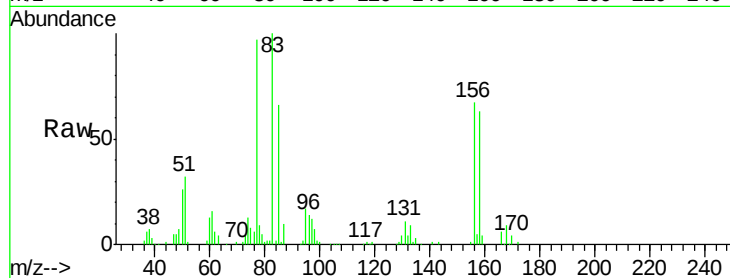
131 10.9 4.7 14.1

85 65.6 32.5 97.5

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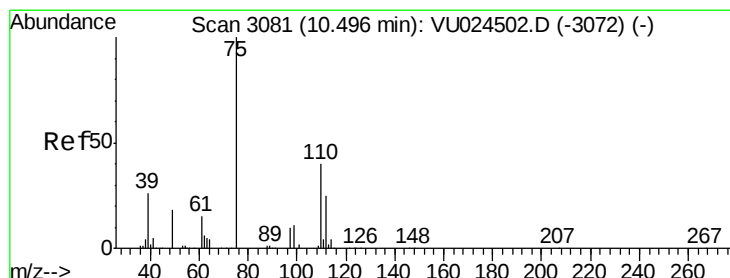
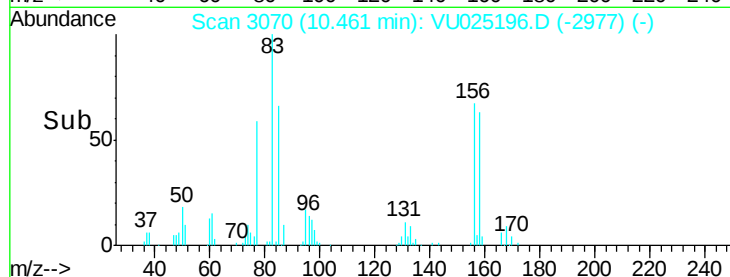
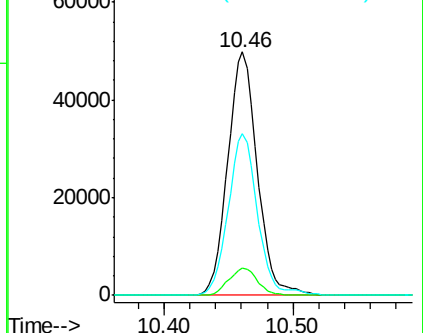
7/5/2018 2:30:21 PM



Abundance Ion 82.90 (82.60 to 83.60): VU025196.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025196.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025196.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 24.087 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025196.D

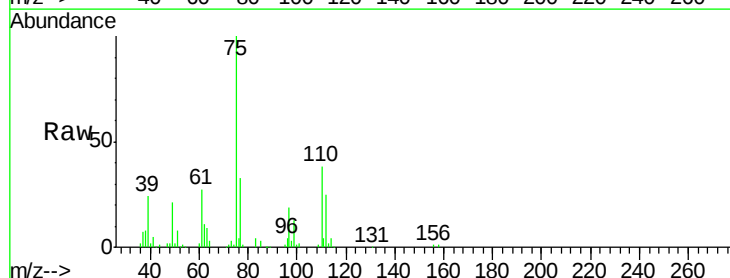
Acq: 03 Jul 2018 18:01

Tgt Ion: 75 Resp: 68028

Ion Ratio Lower Upper

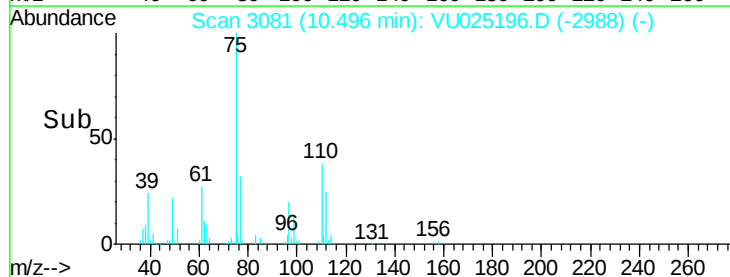
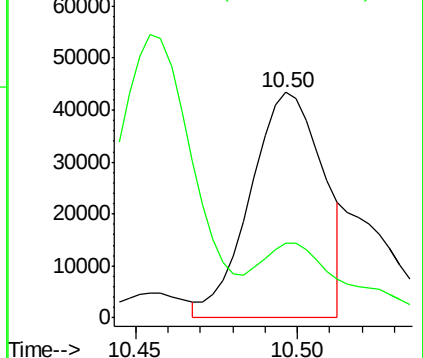
75 100

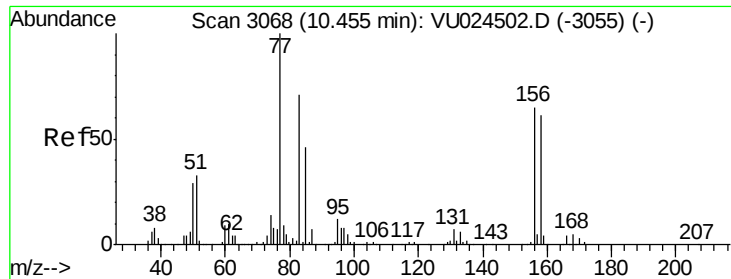
77 40.3 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU025196.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025196.D (-2988) (-)





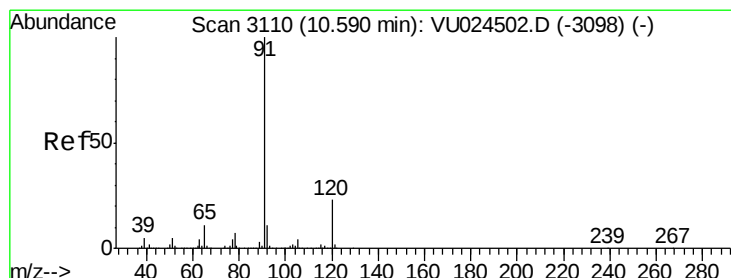
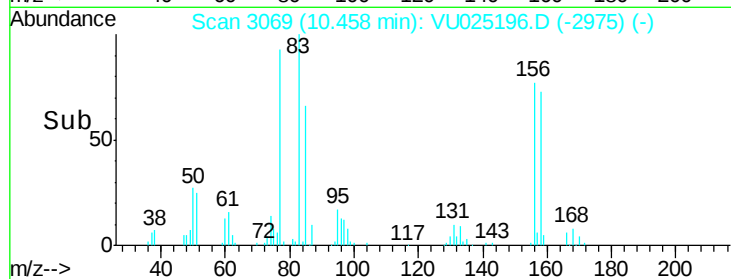
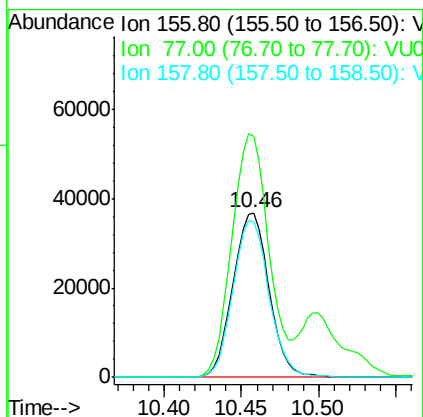
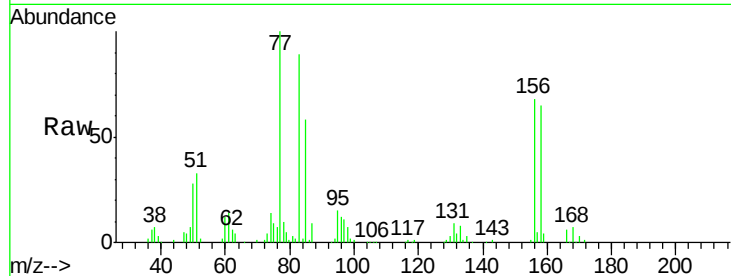
#77
Bromobenzene
Concen: 23.966 ug/l
RT: 10.46 min Scan# 3069
Delta R.T. 0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.7	80.5	241.3
158	95.4	48.2	144.6

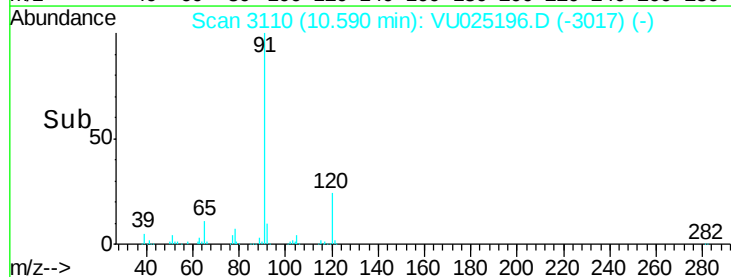
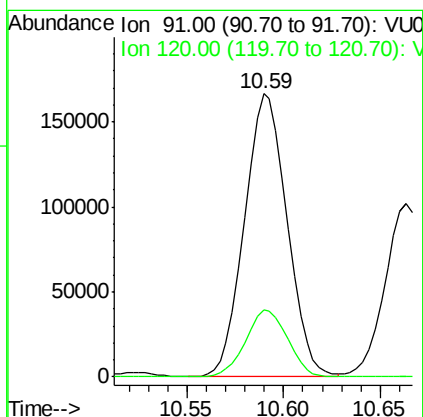
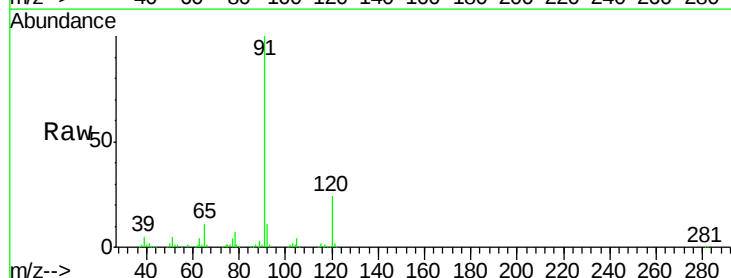
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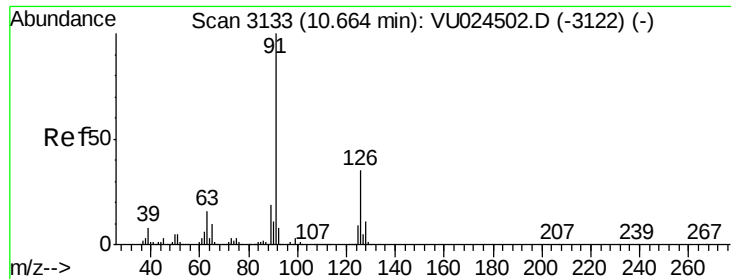
sam
7/5/2018 2:30:21 PM



#78
n-propylbenzene
Concen: 21.959 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 23.013 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

Tot Ion: 91 Resp: 157450

Ion Ratio Lower Upper

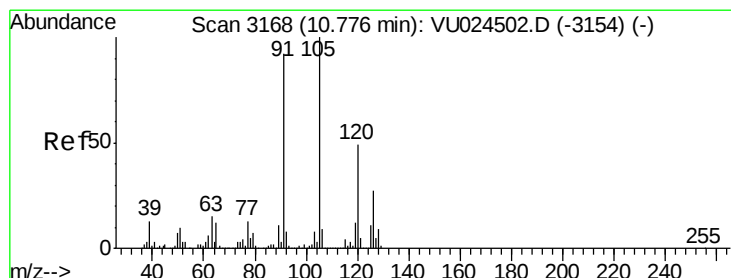
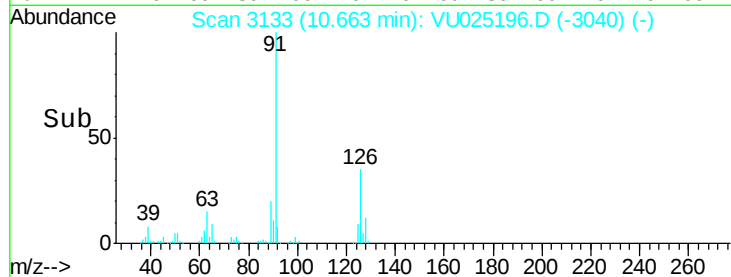
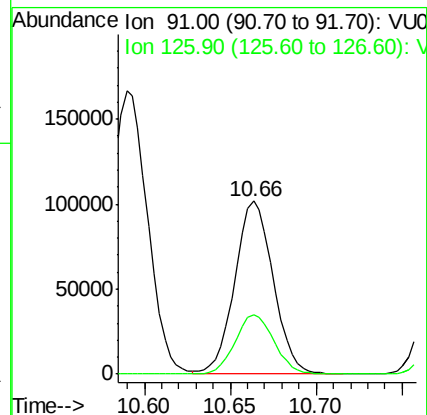
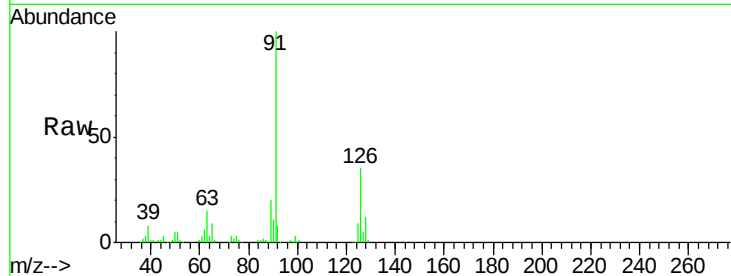
91 100

126 35.0 16.9 50.7

Manual Integrations
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sam

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#80

1,3,5-Trimethylbenzene

Concen: 23.174 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025196.D

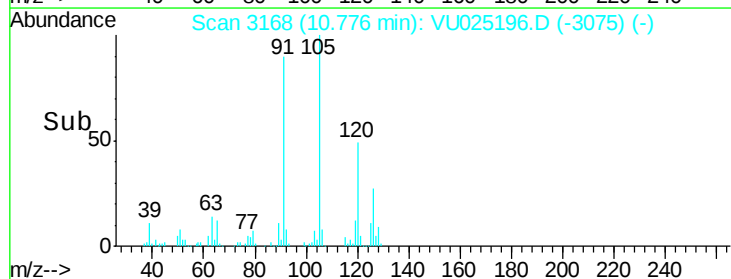
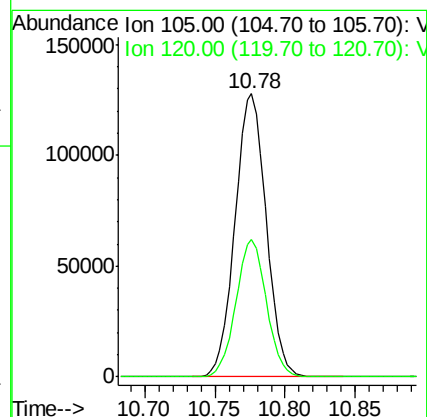
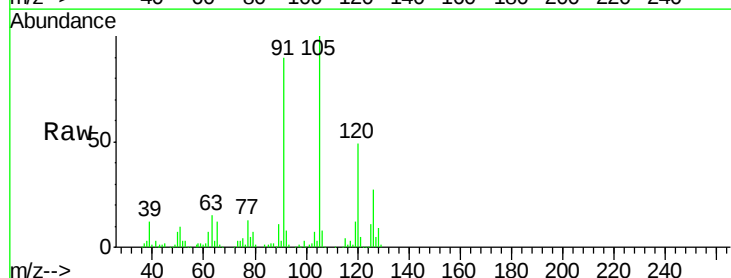
Acq: 03 Jul 2018 18:01

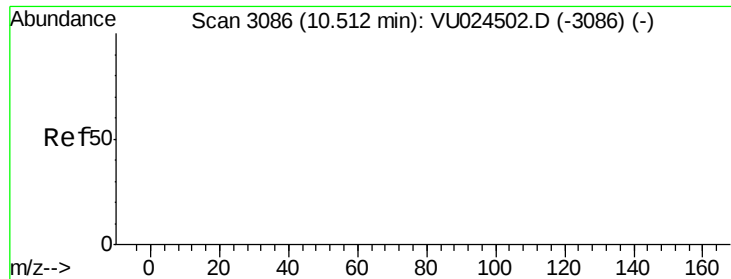
Tgt Ion: 105 Resp: 197821

Ion Ratio Lower Upper

105 100

120 47.5 24.1 72.2





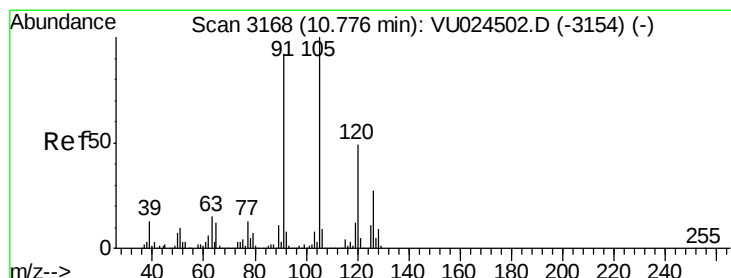
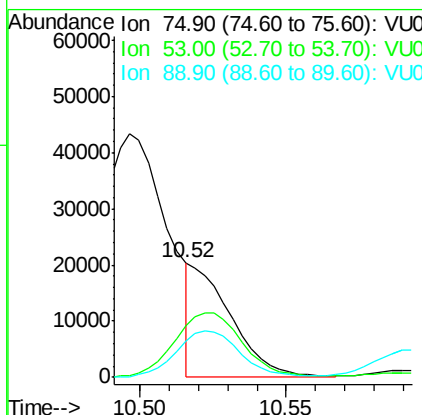
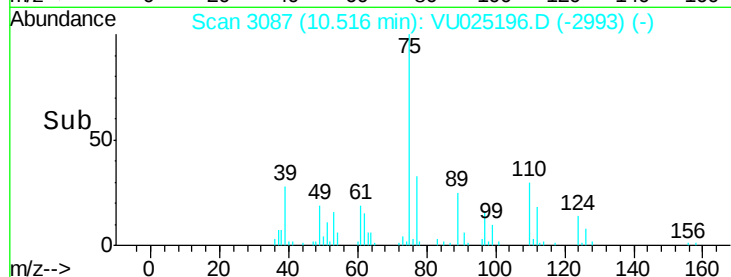
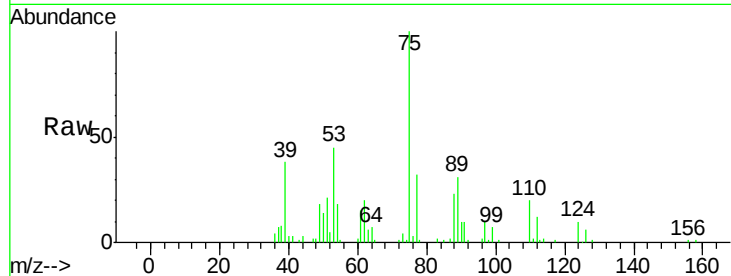
#81
trans-1,4-Dichloro-2-butene
Concen: 15.717 ug/l m
RT: 10.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

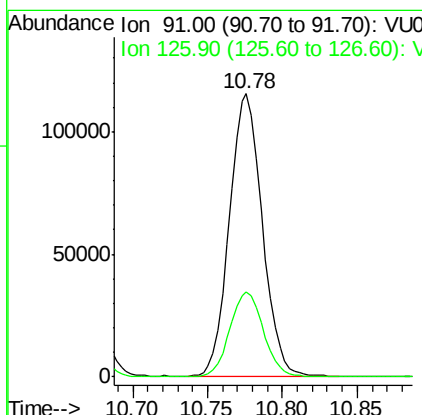
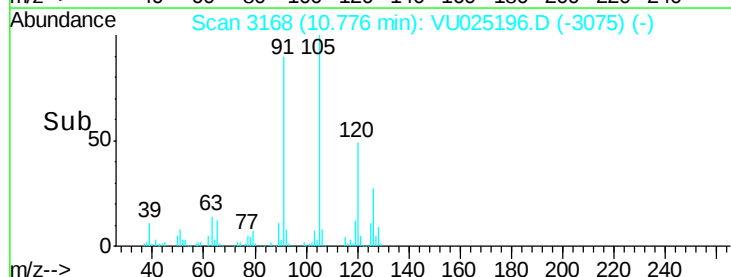
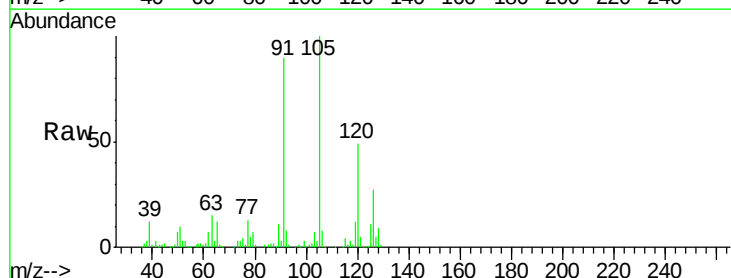
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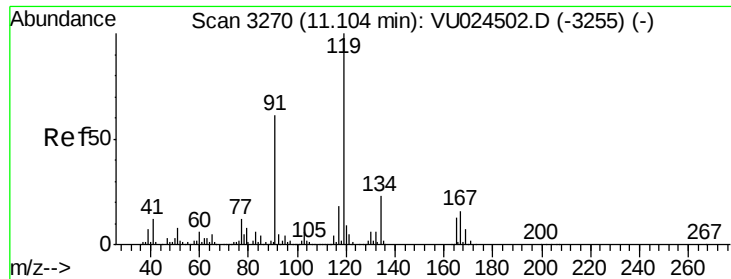
sam
7/5/2018 2:30:21 PM



#82
4-Chlorotoluene
Concen: 22.146 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	14.9	44.9





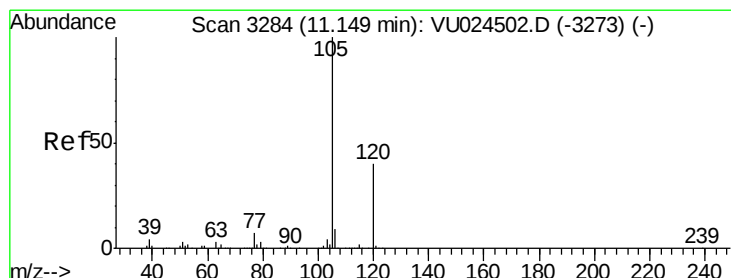
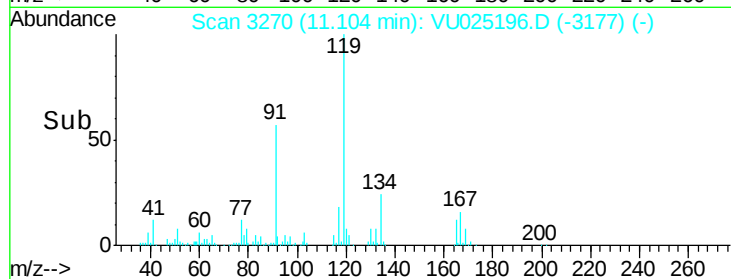
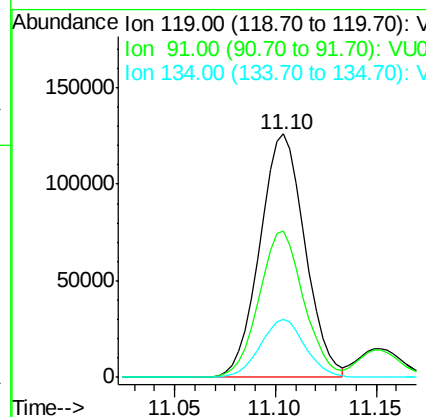
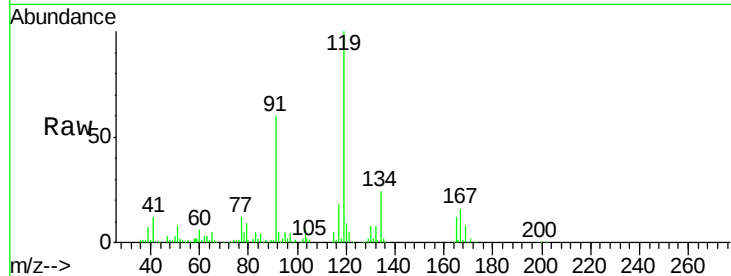
#83
 tert-Butylbenzene
 Concen: 23.974 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	196861		
91	59.5	29.7	89.1	
134	23.6	11.6	34.7	

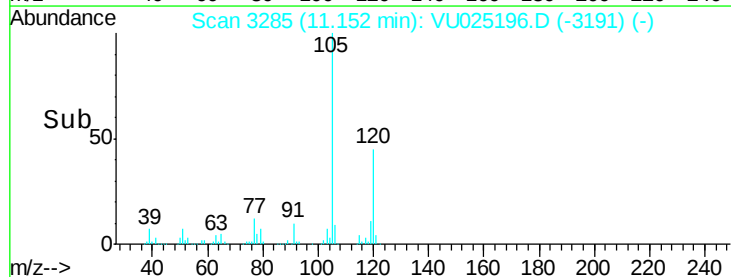
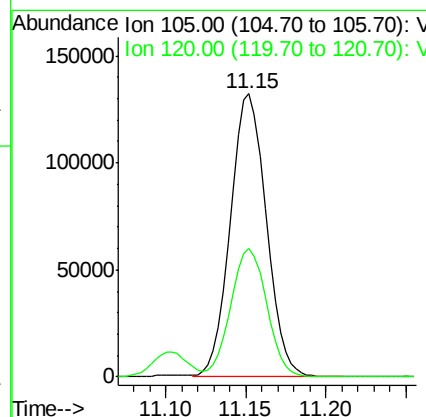
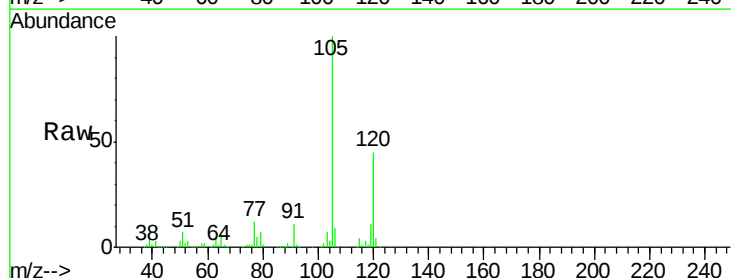
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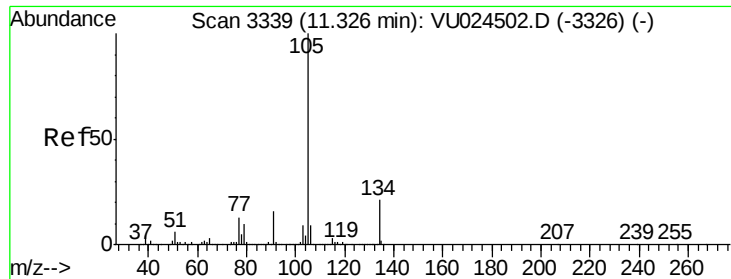
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.175 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	201605		
120	45.7	22.6	67.8	





#85

sec-Butylbenzene

Concen: 22.329 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

Tot Ion:105 Resp: 229506

Ion Ratio Lower Upper

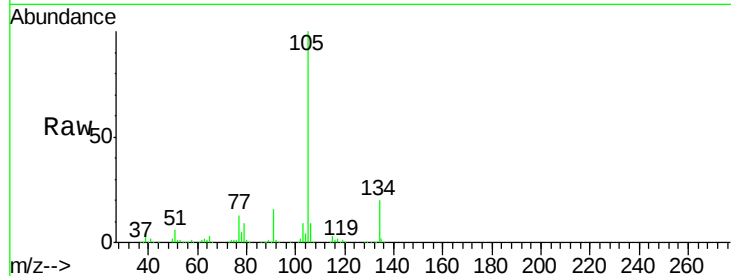
105 100

134 20.5 9.7 29.1

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

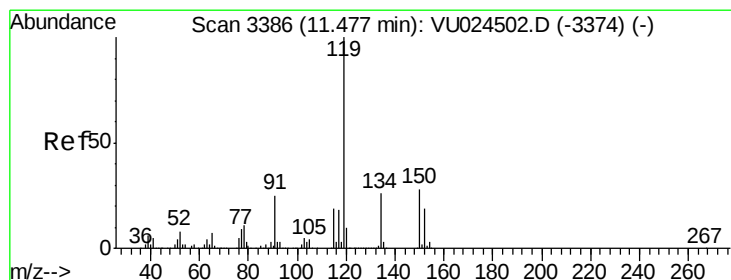
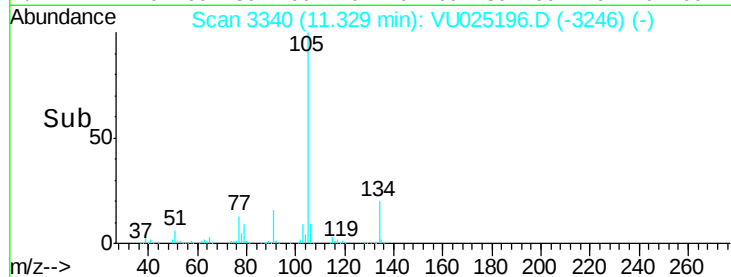
150000

100000

50000

0

Time--> 11.25 11.30 11.35 11.40



#86

p-Isopropyltoluene

Concen: 21.833 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

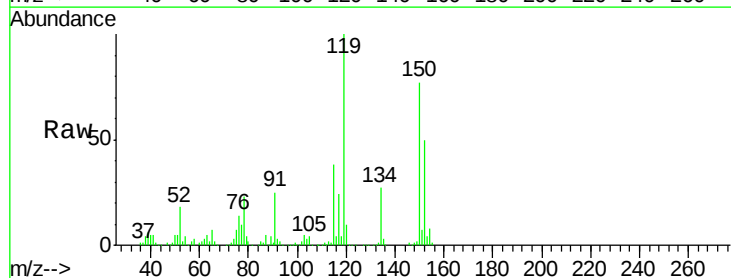
Tgt Ion:119 Resp: 200981

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

91 24.3 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

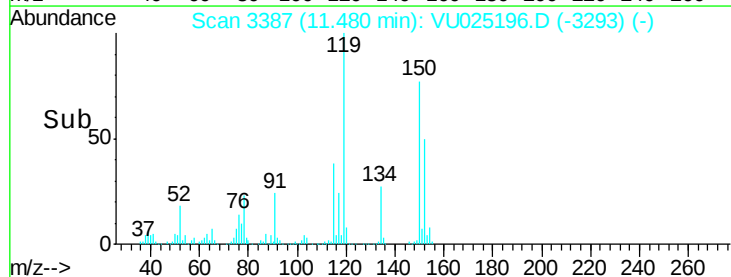
150000

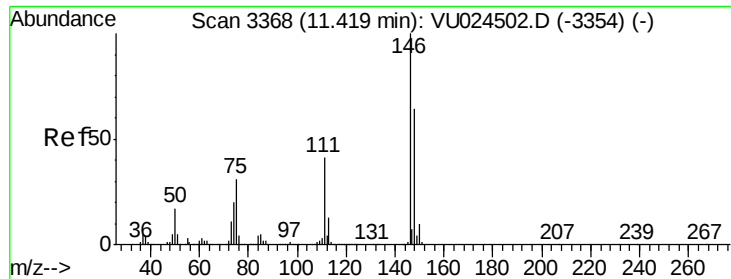
100000

50000

0

Time--> 11.40 11.45 11.50 11.55





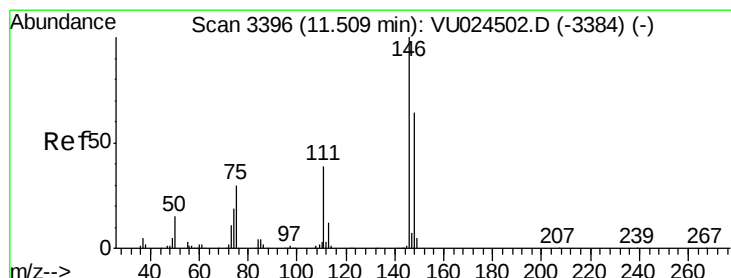
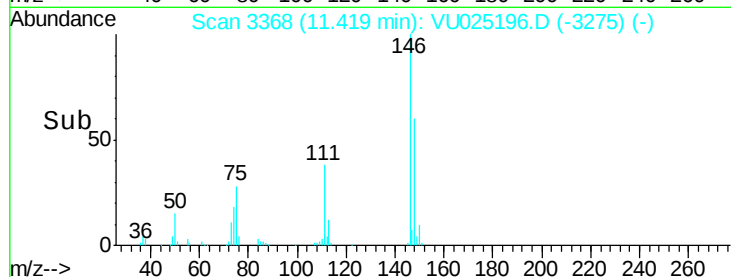
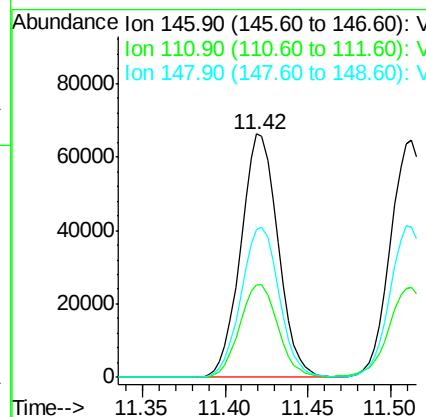
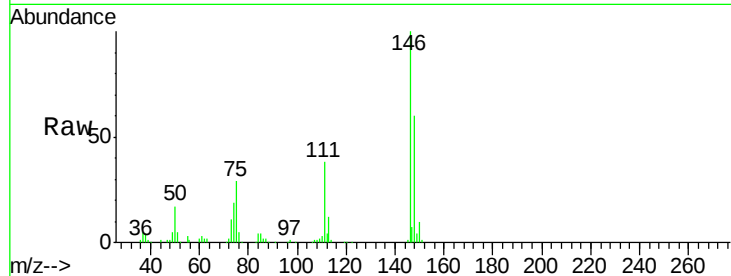
#87
 1,3-Dichlorobenzene
 Concen: 22.535 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.0	60.0
148	62.8	32.1	96.5

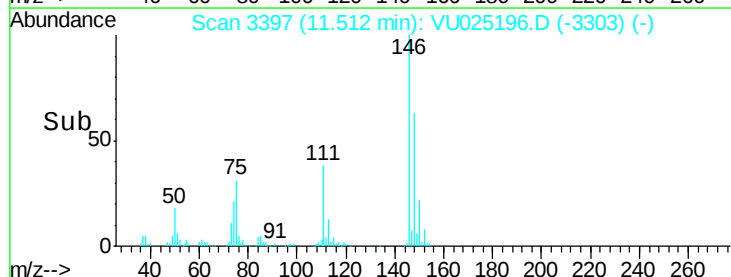
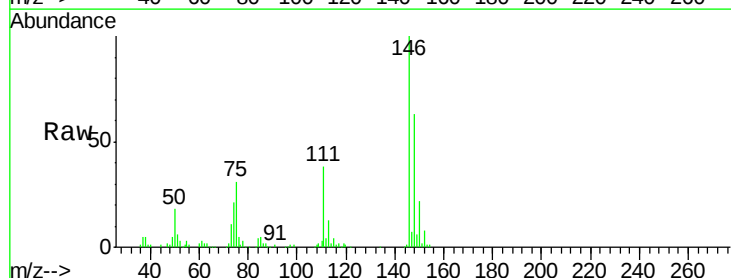
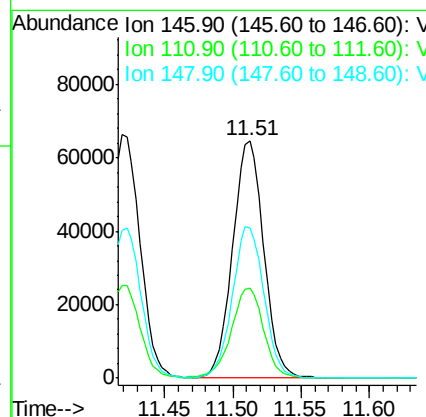
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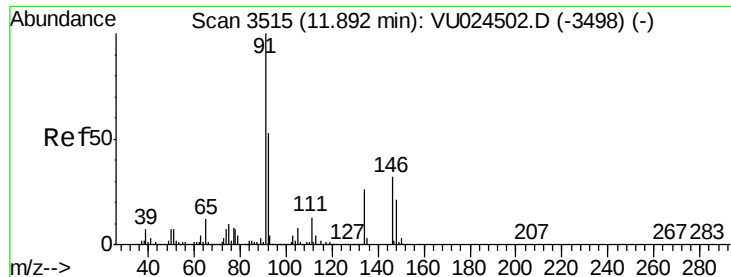
sam
 7/5/2018 2:30:21 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.020 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.5	58.5
148	65.1	32.4	97.0





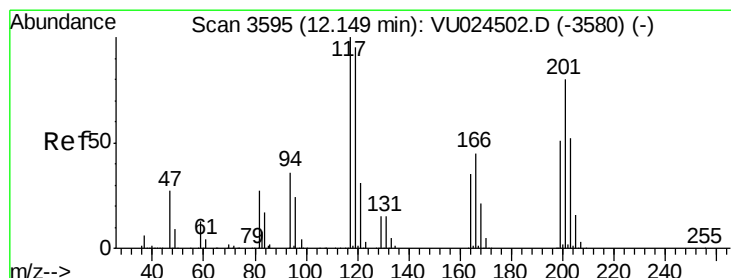
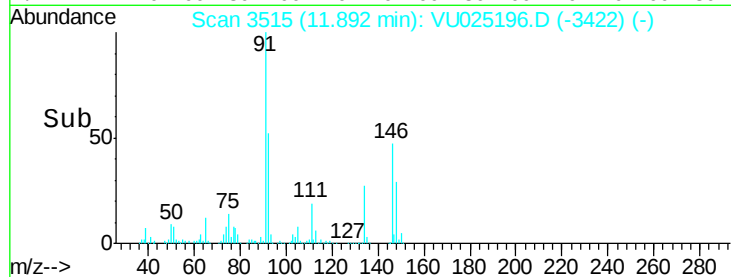
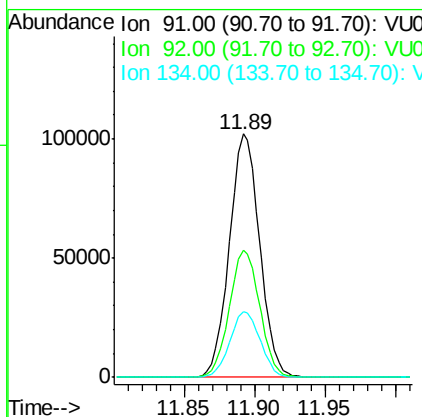
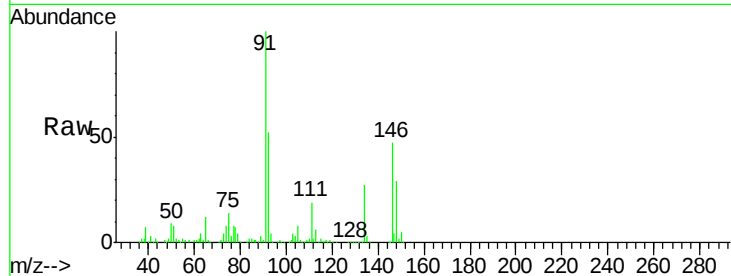
#89
n-Butylbenzene
Concen: 18.850 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.6	76.8
134	27.0	12.3	36.8

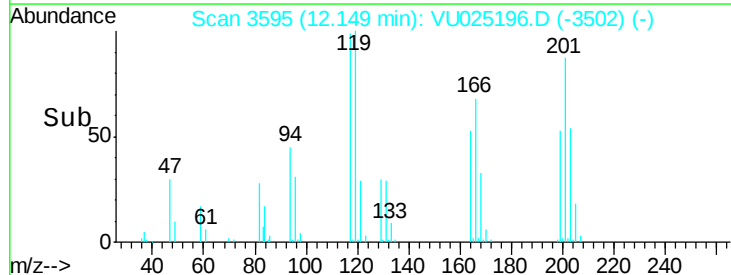
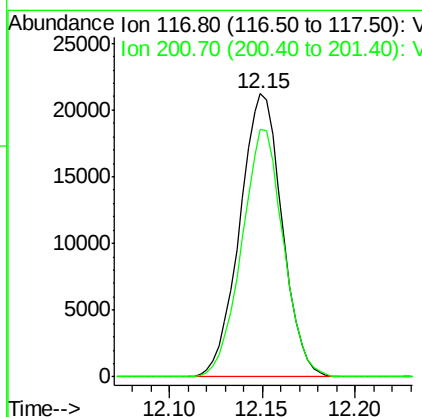
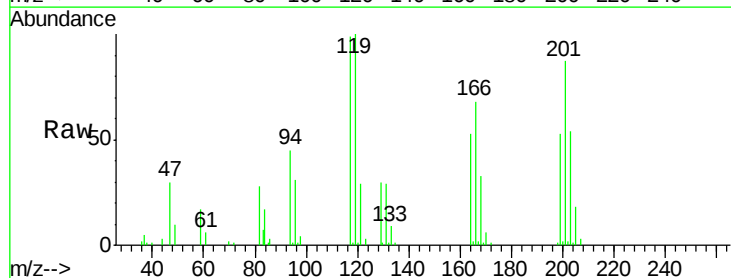
Manual Integrations
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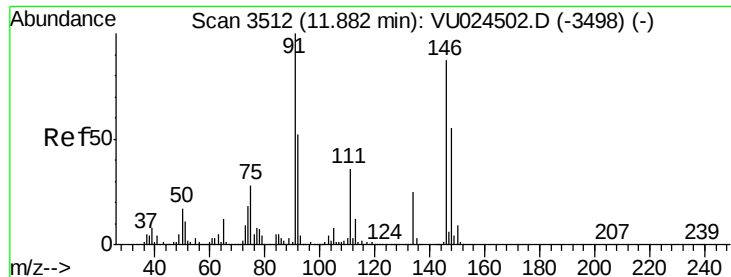
sam
7/5/2018 2:30:21 PM



#90
Hexachloroethane
Concen: 18.800 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.9	41.1	123.3





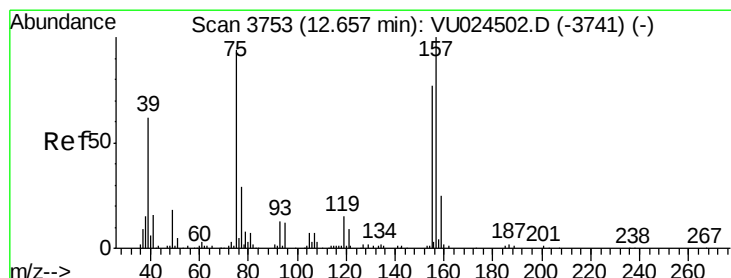
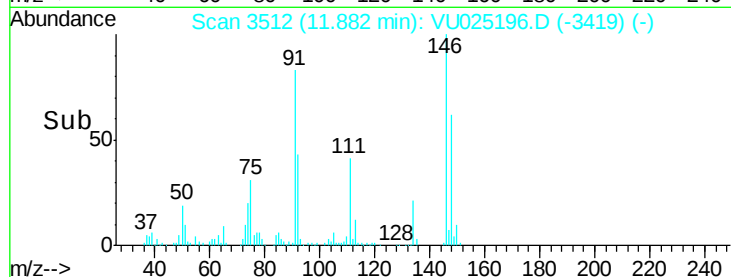
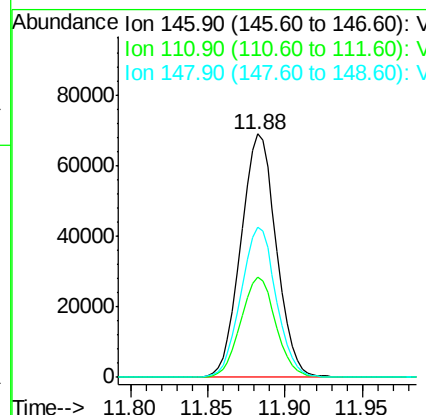
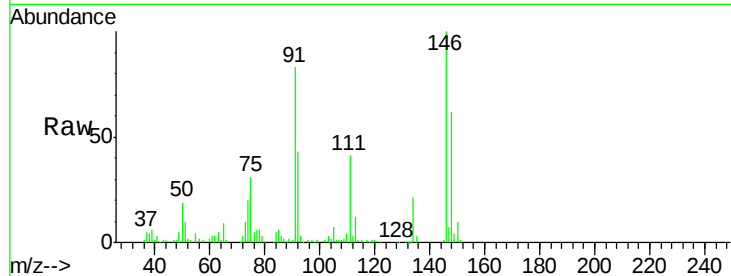
#91
 1,2-Dichlorobenzene
 Concen: 23.789 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.5	61.6
148	61.5	31.9	95.7

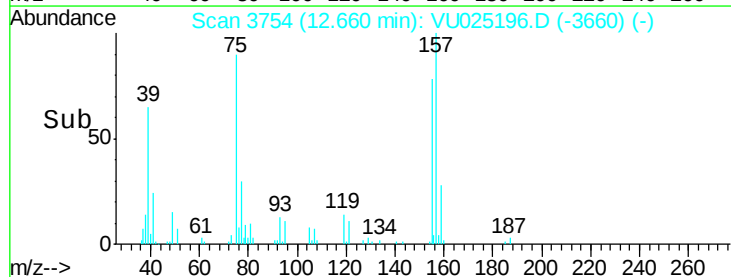
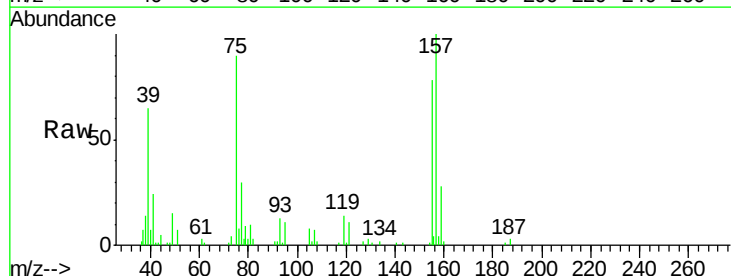
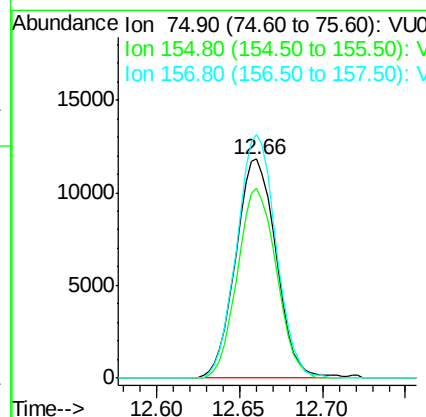
Manual Integrations
 APPROVED

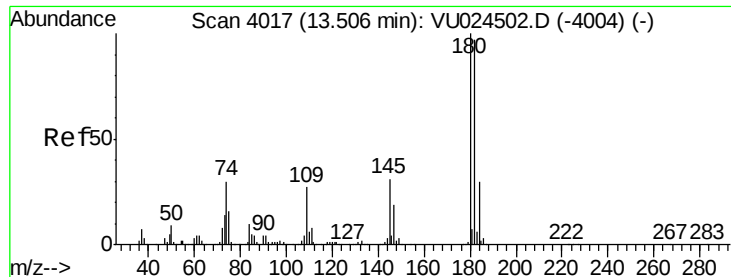
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.073 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.1	40.4	121.2
157	107.2	52.3	156.8





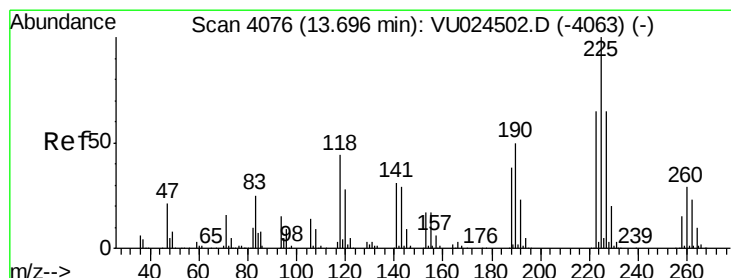
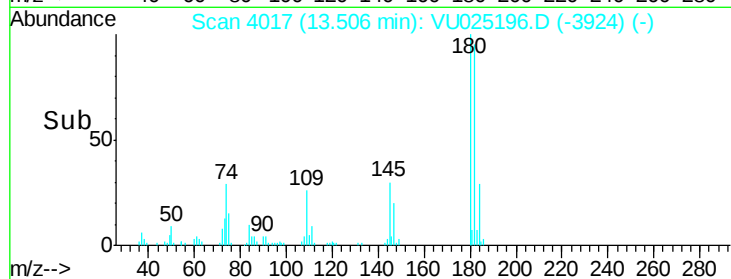
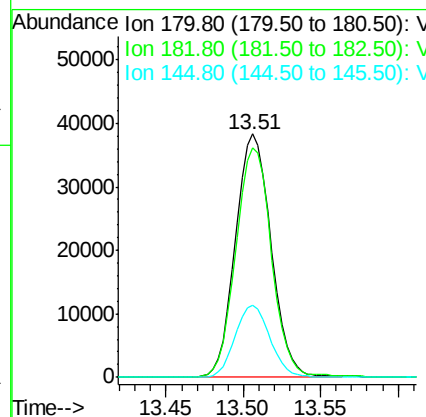
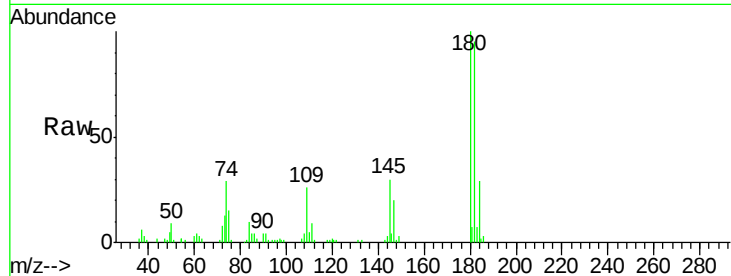
#93
 1,2,4-Trichlorobenzene
 Concen: 21.512 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.0	144.2
145	28.8	14.7	44.1

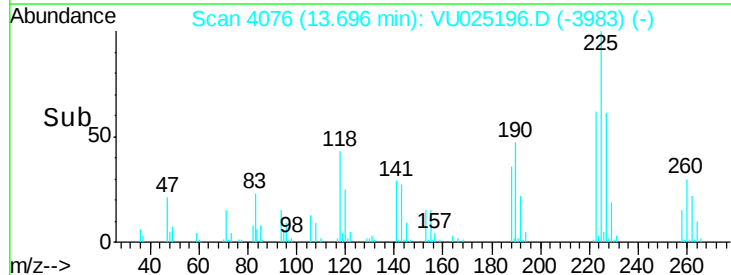
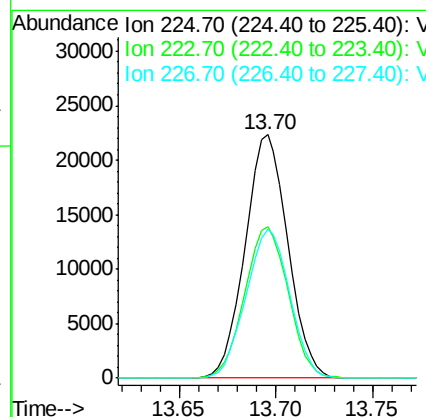
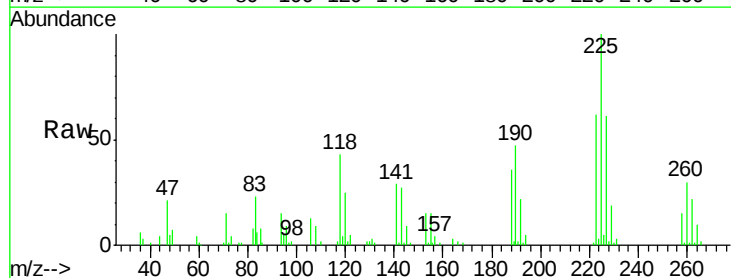
Manual Integrations
 APPROVED

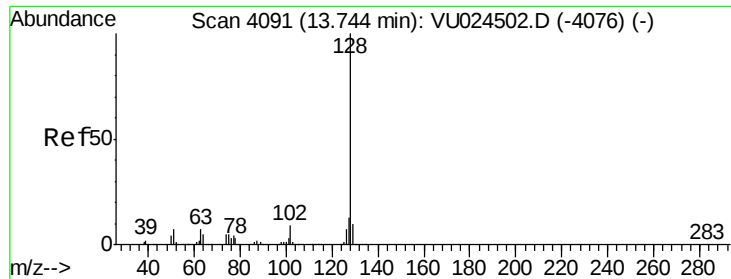
sam
 7/5/2018 2:30:21 PM



#94
 Hexachlorobutadiene
 Concen: 21.398 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.3	93.8
227	62.3	31.8	95.4





#95

Naphthalene

Concen: 23.655 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

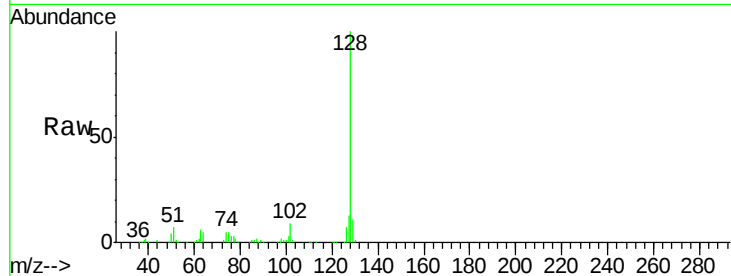
ClientSampleId :

VU0703WBS02

Tot Ion:	128	Resp:	219700
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.7	8.6	12.8

Manual Integrations
APPROVED

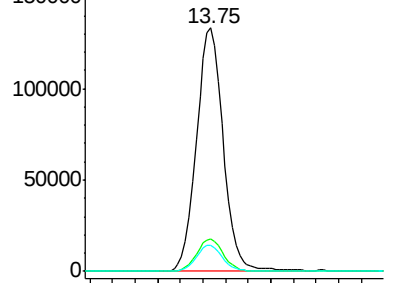
sam
7/5/2018 2:30:21 PM



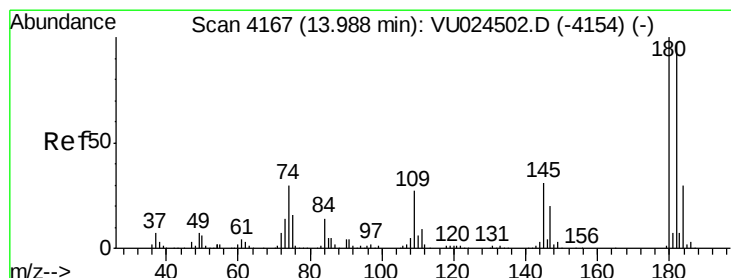
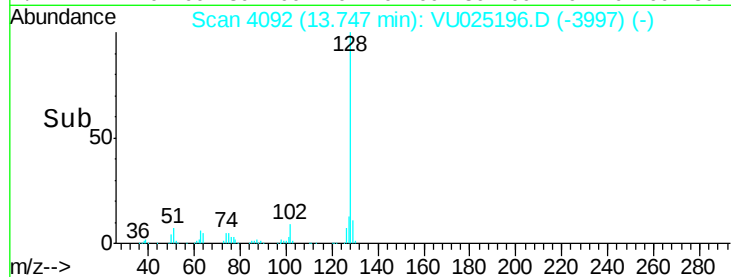
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 23.229 ug/l

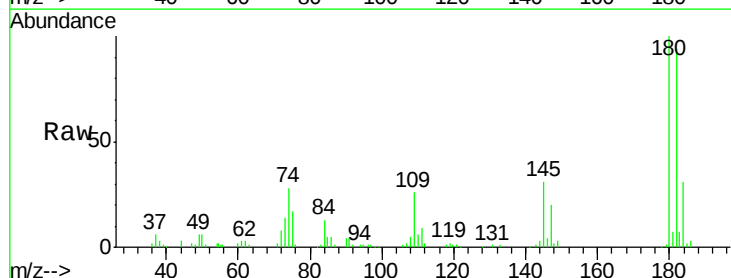
RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

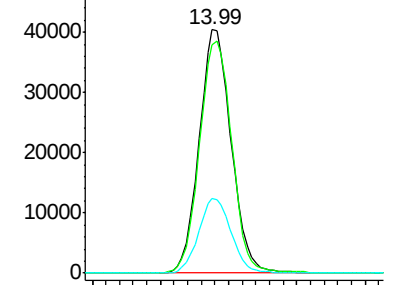
Tgt Ion:	180	Resp:	65949
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.9	143.7
145	30.9	15.4	46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

