

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025672.D
 Acq On : 27 Jul 2018 16:28
 Operator : MD/SY
 Sample : VU0727WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

Manual Integrations
 APPROVED

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 7/31/2018 3:49:16 PM

Quant Time: Jul 28 05:06:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	180047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	269817	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	259832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	160172	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	142572	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	4.89	113	118046	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	7.57	98	413147	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	10.31	95	157524	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	59980	22.04	ug/l	98
3) Chloromethane	1.33	50	53263	20.48	ug/l	98
4) Vinyl Chloride	1.40	62	49738	20.32	ug/l	95
5) Bromomethane	1.63	94	25778	21.56	ug/l	98
6) Chloroethane	1.70	64	28634	20.01	ug/l	98
7) Trichlorofluoromethane	1.89	101	72874	20.59	ug/l	99
8) Diethyl Ether	2.10	74	25812	20.16	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	41682	20.35	ug/l	99
10) Methyl Iodide	2.41	142	28105	20.78	ug/l	99
11) Tert butyl alcohol	2.83	59	66970	109.04	ug/l	100
12) 1,1-Dichloroethene	2.28	96	39400	20.38	ug/l	92
13) Acrolein	2.19	56	20466	90.72	ug/l	99
14) Allyl chloride	2.59	41	67542	19.44	ug/l	99
15) Acrylonitrile	2.94	53	131485	107.22	ug/l	98
16) Acetone	2.32	43	145519	106.40	ug/l	96
17) Carbon Disulfide	2.48	76	118615	18.96	ug/l	99
18) Methyl Acetate	2.62	43	75130	22.82	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	143201	20.44	ug/l	98
20) Methylene Chloride	2.70	84	47262	19.50	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	43961	19.67	ug/l	95
22) Diisopropyl ether	3.58	45	139992	20.45	ug/l	95
23) Vinyl Acetate	3.53	43	604244	101.28	ug/l	99
24) 1,1-Dichloroethane	3.45	63	82989	20.19	ug/l	99
25) 2-Butanone	4.27	43	200440	107.66	ug/l	99
26) 2,2-Dichloropropane	4.23	77	77137	20.65	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	50143	19.90	ug/l	99
28) Bromochloromethane	4.55	49	39235	21.35	ug/l	97
29) Tetrahydrofuran	4.64	42	118933	106.62	ug/l	99
30) Chloroform	4.68	83	85737	19.77	ug/l	98
31) Cyclohexane	5.00	56	72854	19.56	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	78434	20.08	ug/l	97
36) 1,1-Dichloropropene	5.14	75	62588	19.85	ug/l	98
37) Ethyl Acetate	4.38	43	66227	20.26	ug/l	98
38) Carbon Tetrachloride	5.14	117	68512	19.18	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	71778	19.87	ug/l	96
40) Benzene	5.39	78	181192	19.66	ug/l	98
41) Methacrylonitrile	4.54	41	38212	21.04	ug/l	99
42) 1,2-Dichloroethane	5.41	62	69686	19.63	ug/l	100
43) Isopropyl Acetate	5.55	43	109443	20.26	ug/l	99
44) Trichloroethene	6.19	130	50930	19.84	ug/l	99
45) 1,2-Dichloropropane	6.44	63	47189	19.63	ug/l	97
46) Dibromomethane	6.56	93	34604	19.87	ug/l	98
47) Bromodichloromethane	6.76	83	63855	19.22	ug/l	94
48) Methyl methacrylate	6.63	41	55212	20.85	ug/l	97
49) 1,4-Dioxane	6.62	88	27922	433.30	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	352689	104.27	ug/l	100
52) Toluene	7.64	92	115927	20.25	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	74274	19.91	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	76393	19.94	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	47260	19.86	ug/l	97
56) Ethyl methacrylate	8.02	69	70184	20.64	ug/l	98
57) 1,3-Dichloropropane	8.25	76	79600	19.89	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	148370	100.71	ug/l	98
59) 2-Hexanone	8.36	43	282579	106.57	ug/l	99
60) Dibromochloromethane	8.48	129	53452	19.05	ug/l	100
61) 1,2-Dibromoethane	8.59	107	52713	19.92	ug/l	99
64) Tetrachloroethene	8.23	164	44833	19.60	ug/l	98
65) Chlorobenzene	9.12	112	132567	19.79	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	47963	19.79	ug/l	97
67) Ethyl Benzene	9.25	91	219058	19.74	ug/l	99
68) m/p-Xylenes	9.38	106	172392	40.47	ug/l	100
69) o-Xylene	9.78	106	84379	20.27	ug/l	100
70) Styrene	9.80	104	134422	19.99	ug/l	99
71) Bromoform	9.96	173	40310	19.18	ug/l #	100
73) Isopropylbenzene	10.17	105	224423	20.53	ug/l	99
74) N-amyl acetate	10.01	43	94391	21.15	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	76146	20.14	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	67907m	19.24	ug/l	
77) Bromobenzene	10.45	156	61223	20.30	ug/l	99
78) n-propylbenzene	10.59	91	265576	20.81	ug/l	99
79) 2-Chlorotoluene	10.66	91	155539	20.81	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	194176	20.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	53914m	38.31	ug/l	
82) 4-Chlorotoluene	10.78	91	186458	21.17	ug/l	99
83) tert-Butylbenzene	11.10	119	188494	20.43	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	198457	21.09	ug/l	98
85) sec-Butylbenzene	11.33	105	233845	20.76	ug/l	100
86) p-Isopropyltoluene	11.48	119	211618	20.98	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	112782	20.15	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	115184	19.74	ug/l	99
89) n-Butylbenzene	11.89	91	190847	20.51	ug/l	99
90) Hexachloroethane	12.15	117	34200	19.07	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	112484	20.50	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19402	21.65	ug/l	99

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ClientSampleId :
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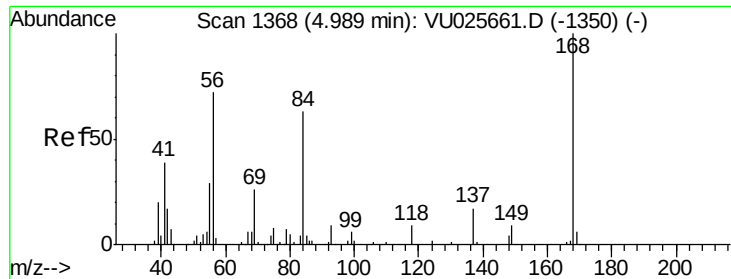
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
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QLast Update : Fri Jul 27 13:11:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	82698	22.33	ug/l	99
94) Hexachlorobutadiene	13.70	225	38568	19.76	ug/l	99
95) Naphthalene	13.75	128	287655	24.83	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	81616	22.10	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

Tot Ion:168 Resp: 180047

Ion Ratio Lower Upper

168 100

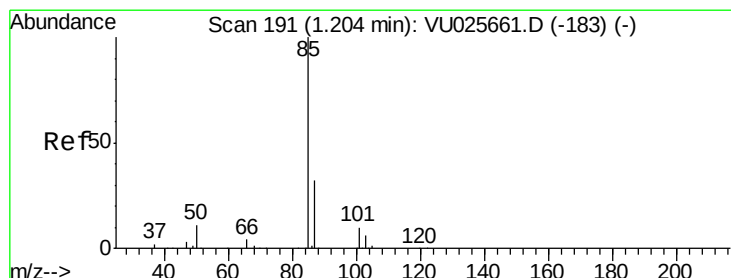
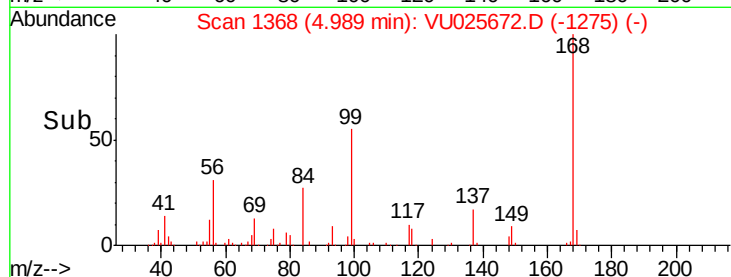
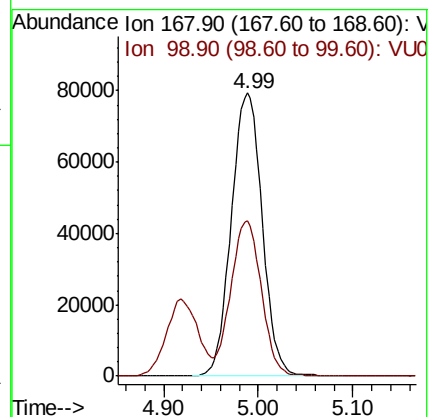
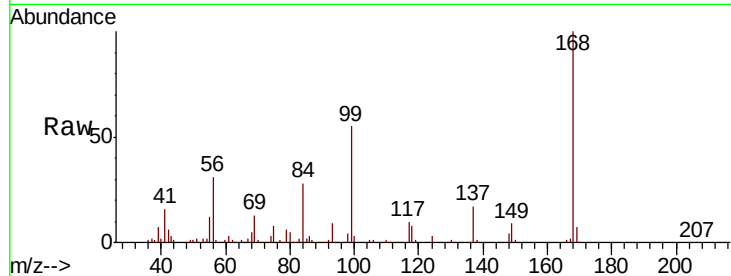
99 54.9 42.8 64.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 22.04 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025672.D

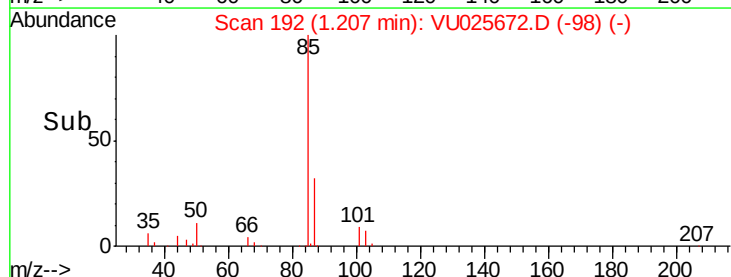
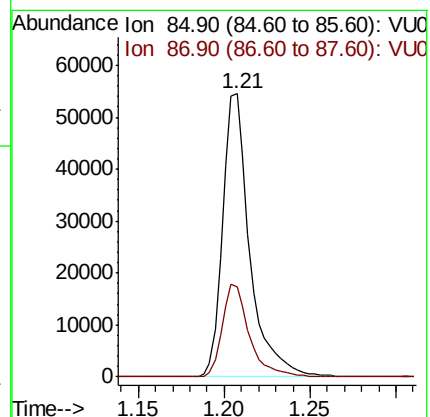
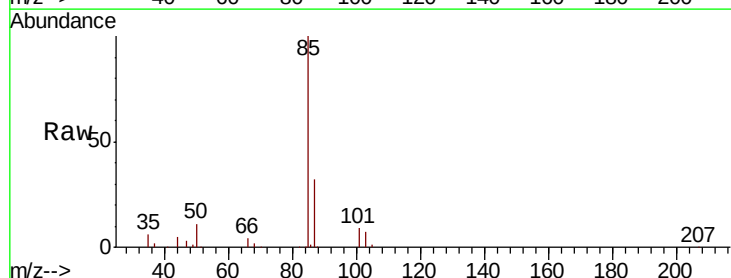
Acq: 27 Jul 2018 16:28

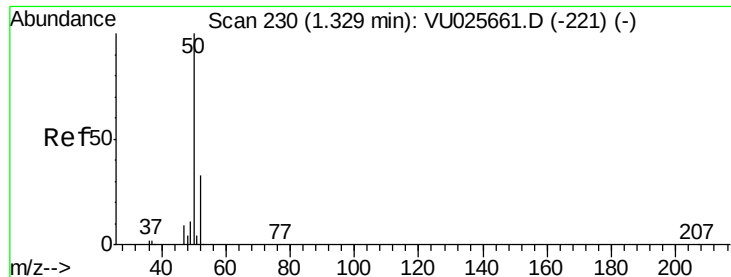
Tgt Ion: 85 Resp: 59980

Ion Ratio Lower Upper

85 100

87 32.0 16.5 49.5





#3

Chloromethane

Concen: 20.48 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

Tot Ion: 50 Resp: 53263

Ion Ratio Lower Upper

50 100

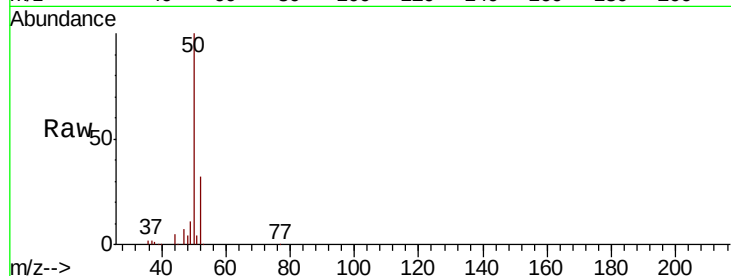
52 31.7 26.5 39.7

Manual Integrations

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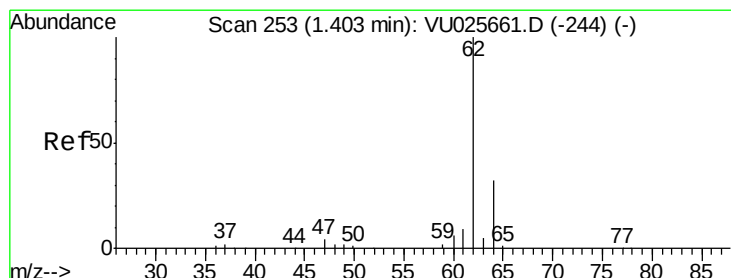
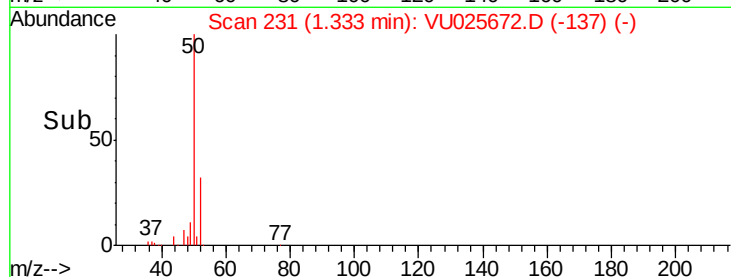
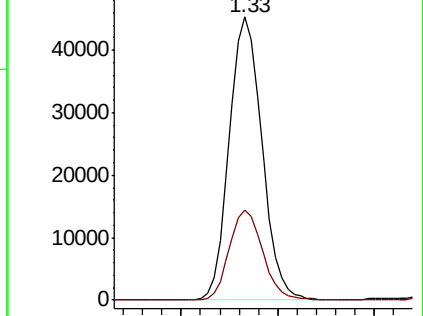
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 20.32 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025672.D

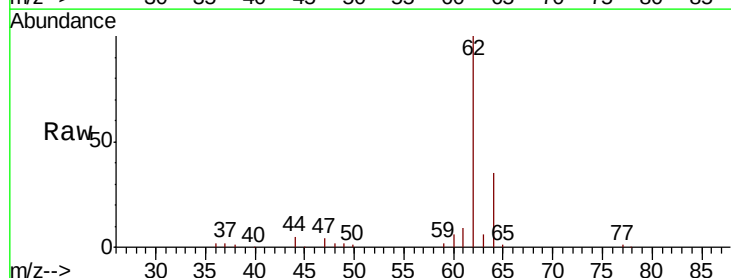
Acq: 27 Jul 2018 16:28

Tgt Ion: 62 Resp: 49738

Ion Ratio Lower Upper

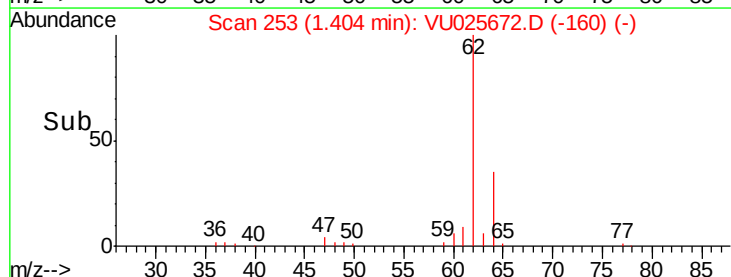
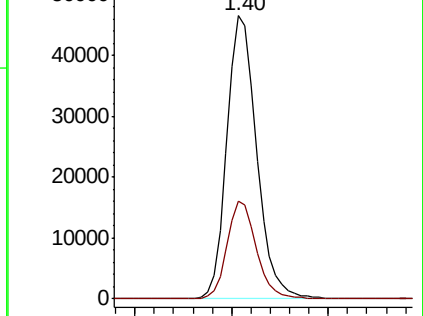
62 100

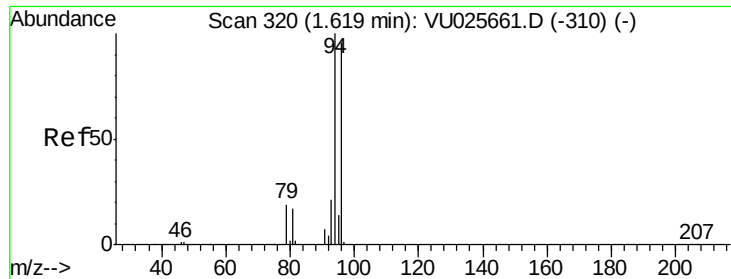
64 34.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 21.56 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

Tot Ion: 94 Resp: 25778

Ion Ratio Lower Upper

94 100

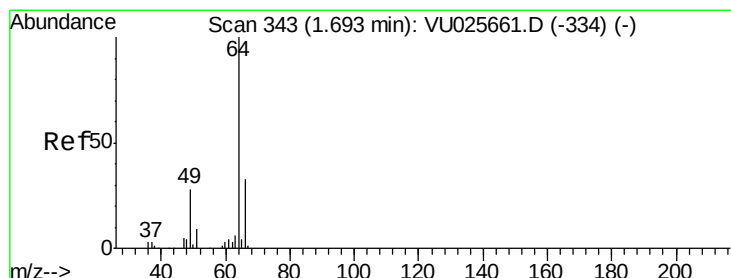
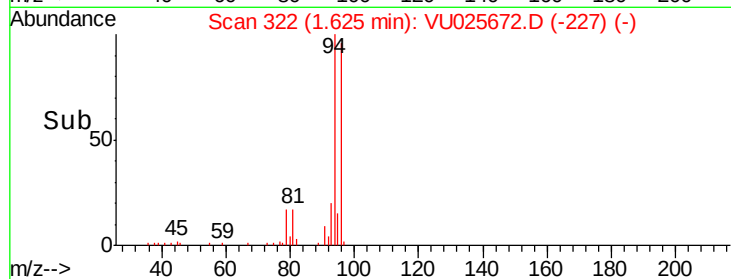
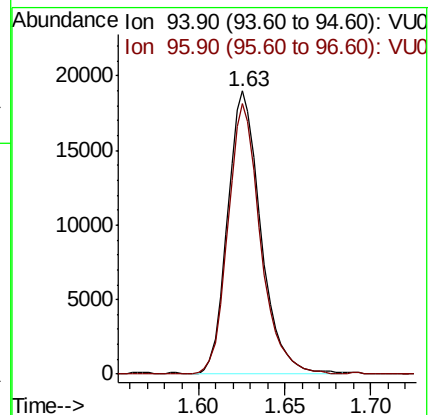
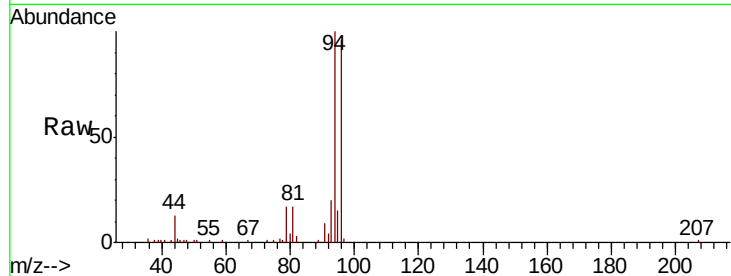
96 95.6 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 20.01 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025672.D

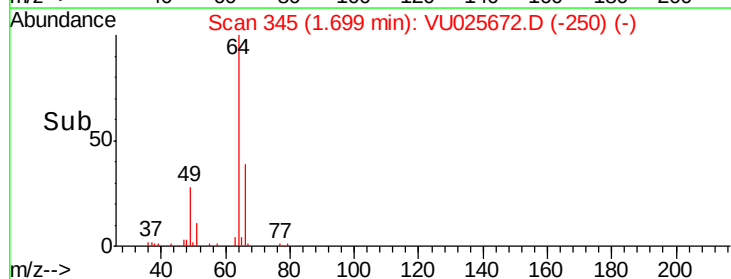
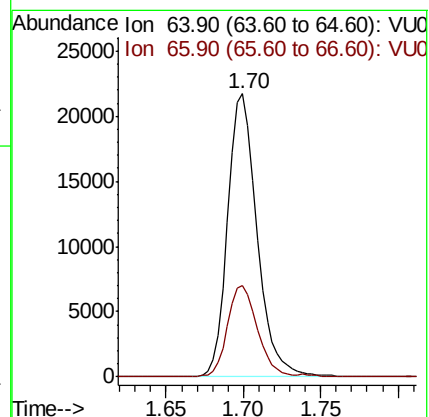
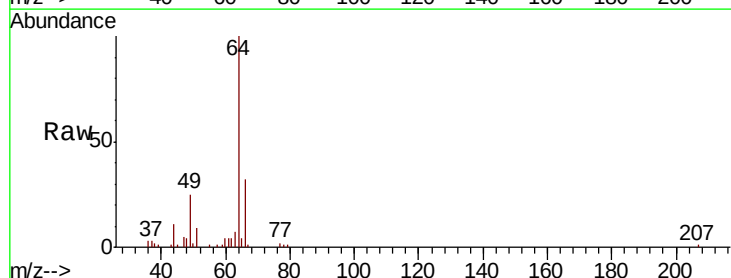
Acq: 27 Jul 2018 16:28

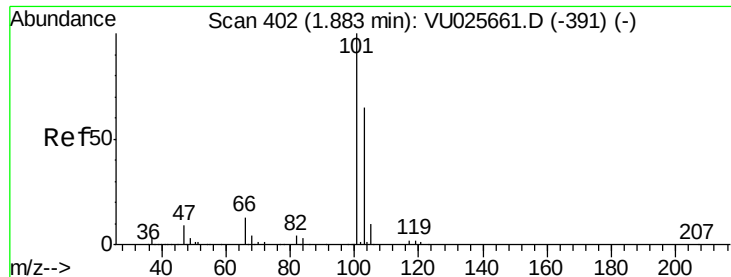
Tgt Ion: 64 Resp: 28634

Ion Ratio Lower Upper

64 100

66 32.5 25.0 37.4





#7

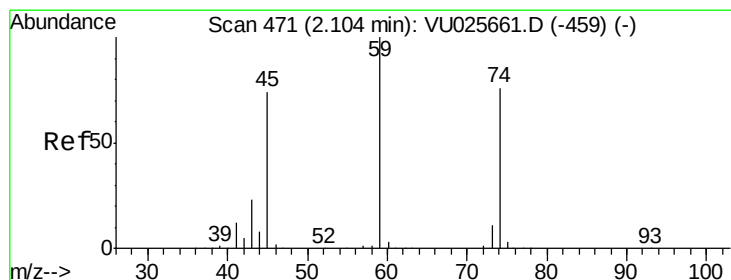
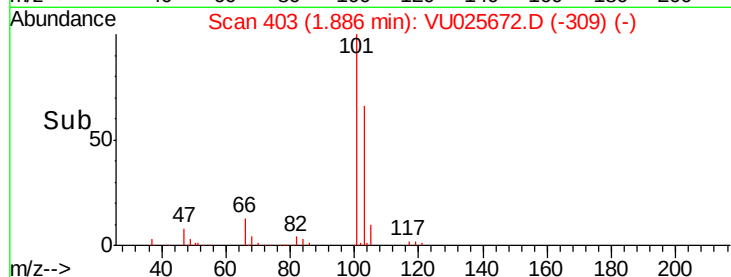
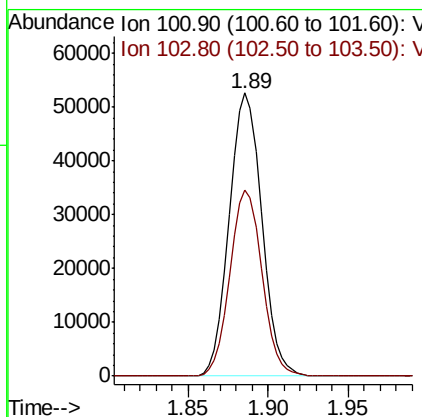
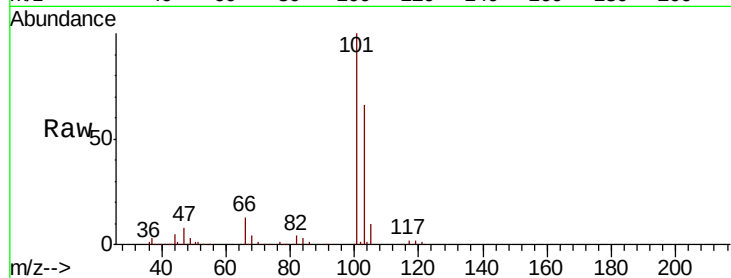
Trichlorofluoromethane
 Concen: 20.59 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Instrument :
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 ClientSampleId :
 VU0727WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.2	78.2

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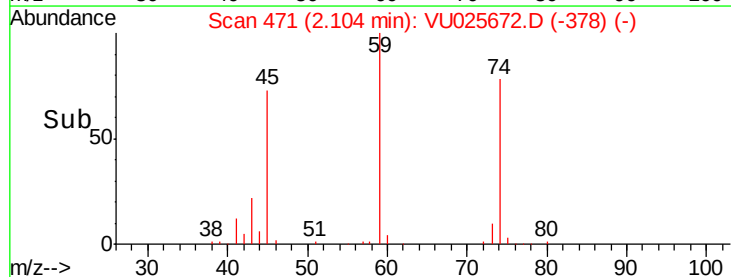
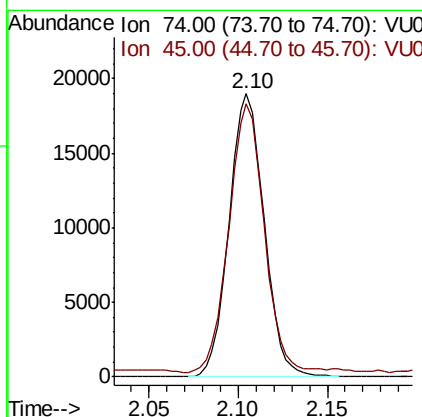
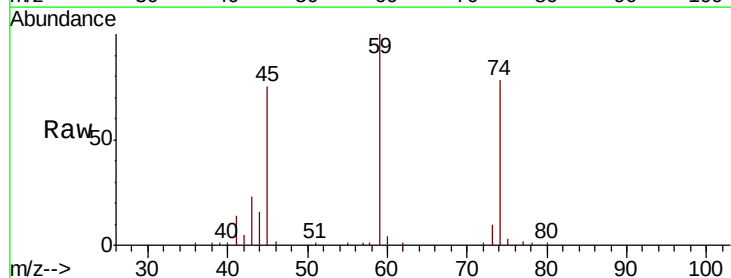
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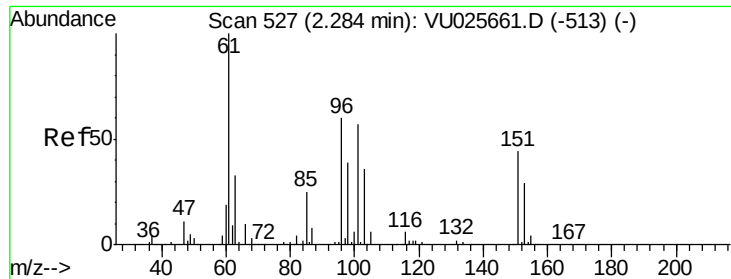


#8

Diethyl Ether
 Concen: 20.16 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.35 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

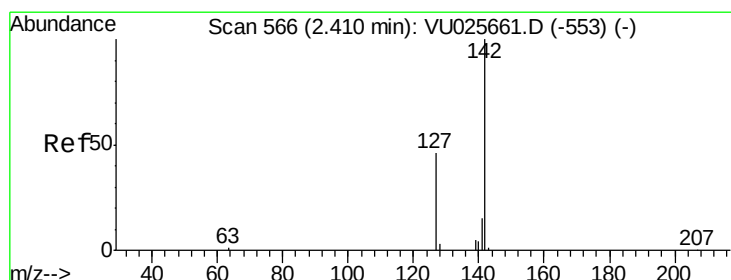
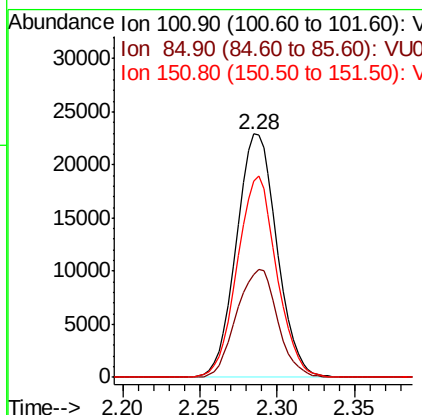
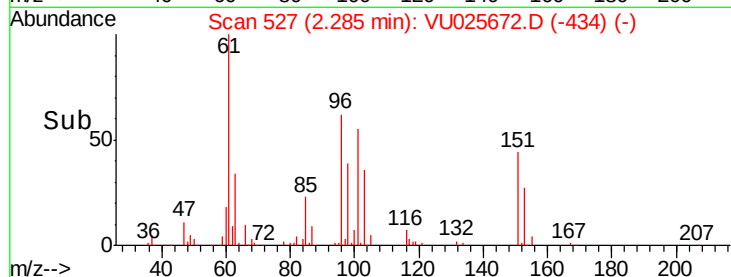
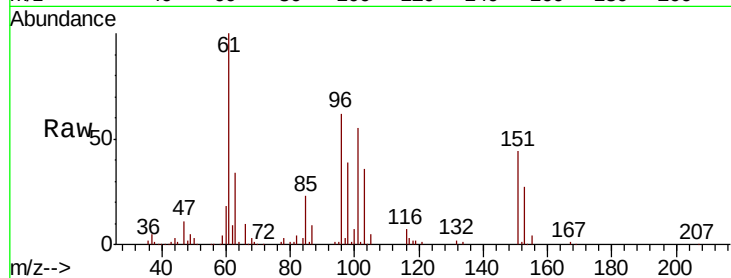
ClientSampleId :

VU0727WBS01

Tot Ion:	101	Resp:	41682
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.0	54.0
151	80.5	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 20.78 ug/l

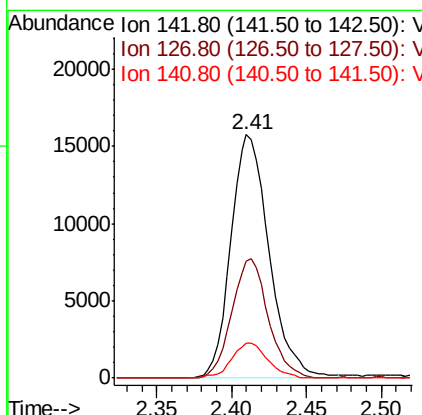
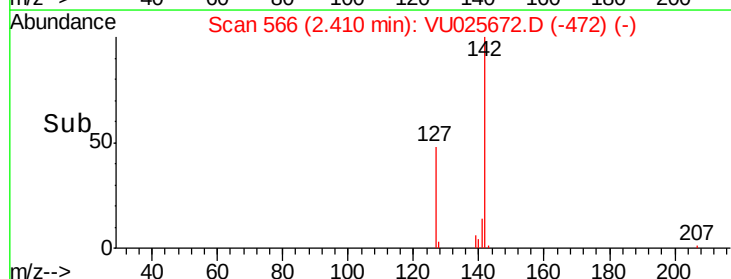
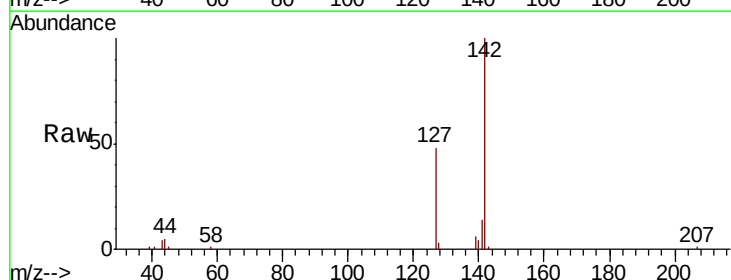
RT: 2.41 min Scan# 566

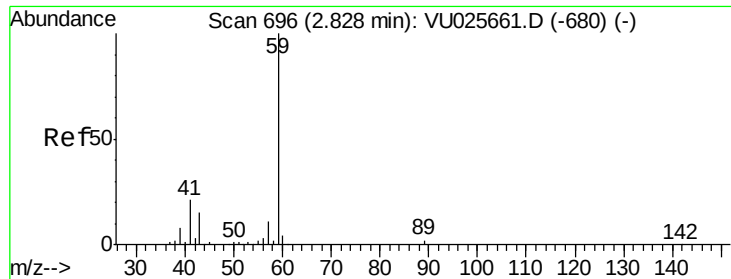
Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Tgt Ion:	142	Resp:	28105
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.5	54.7
141	13.5	11.4	17.2





#11

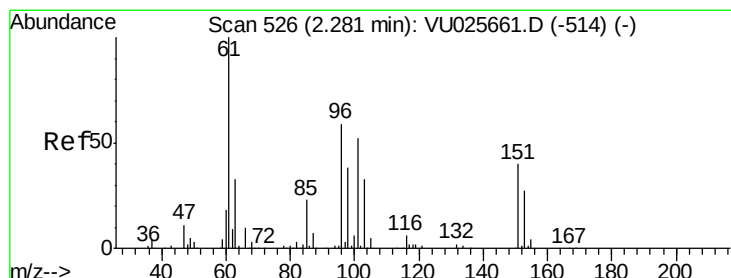
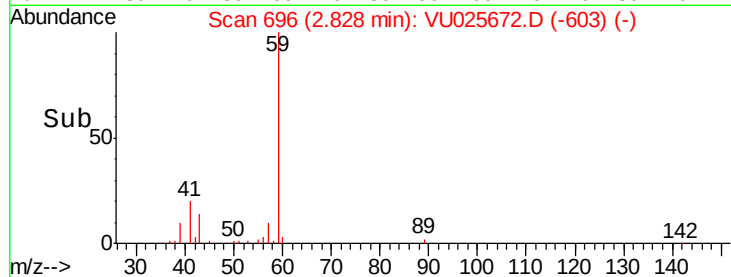
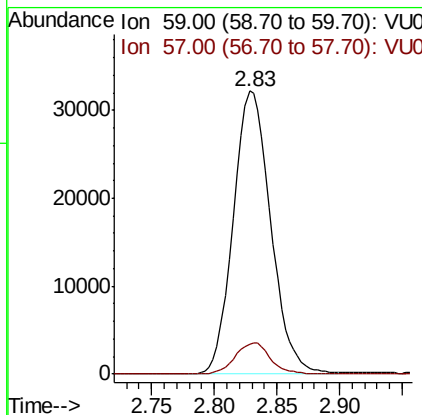
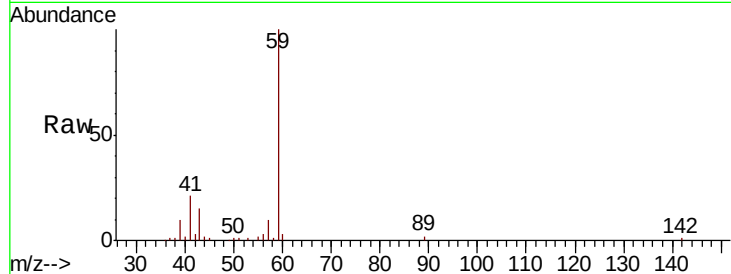
Tert butyl alcohol
 Concen: 109.04 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

Tot Ion	59	Resp	66970
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.2

Manual Integrations
 APPROVED

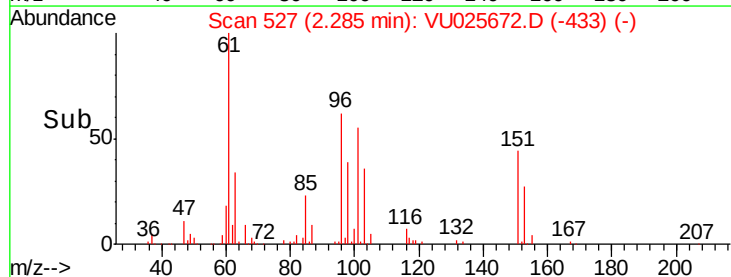
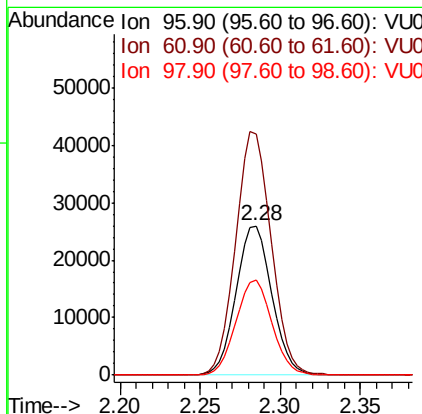
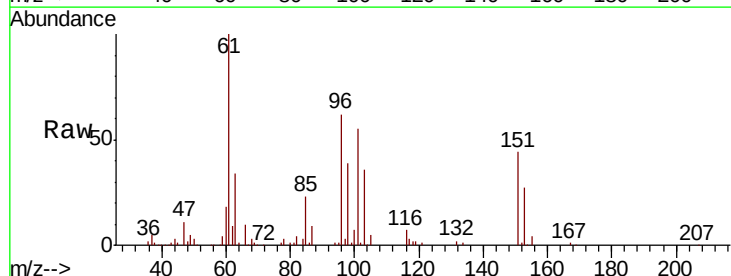
MMDadoda
 7/31/2018 3:49:16 PM

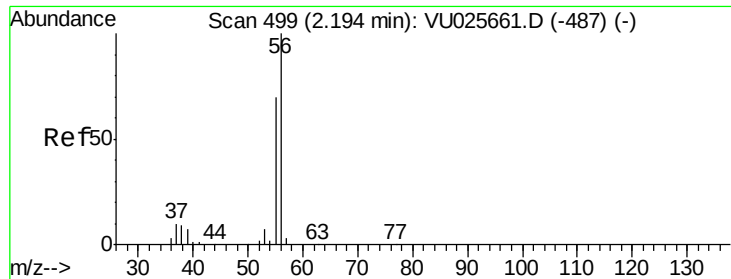


#12

1,1-Dichloroethene
 Concen: 20.38 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion	96	Resp	39400
Ion Ratio	100	Lower	Upper
61	161.4	140.2	210.4
98	63.5	49.3	73.9





#13

Acrolein

Concen: 90.72 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

Tot Ion: 56 Resp: 20466

Ion Ratio Lower Upper

56 100

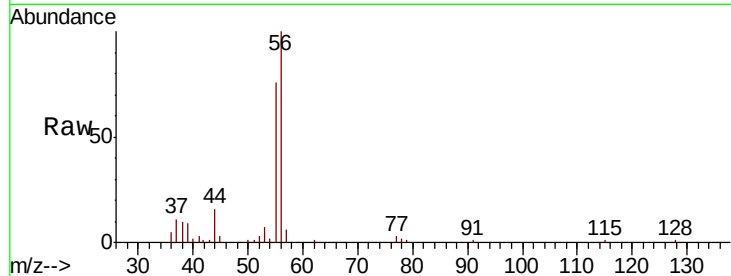
55 72.0 57.2 85.8

Manual Integrations

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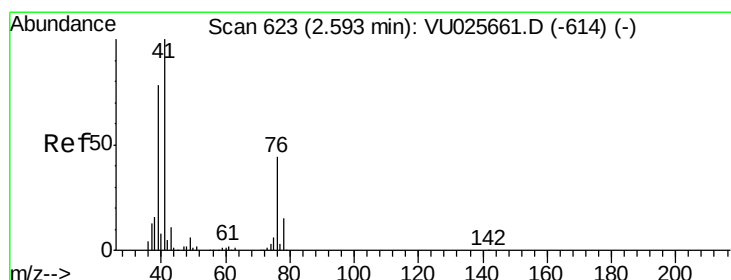
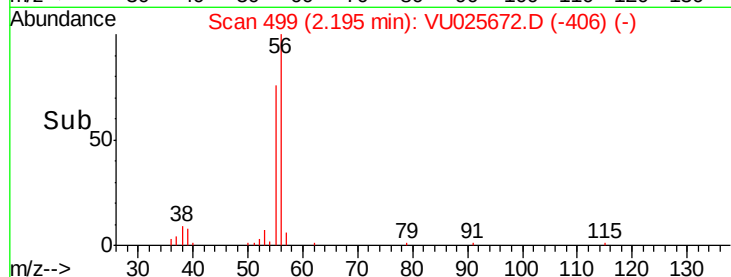
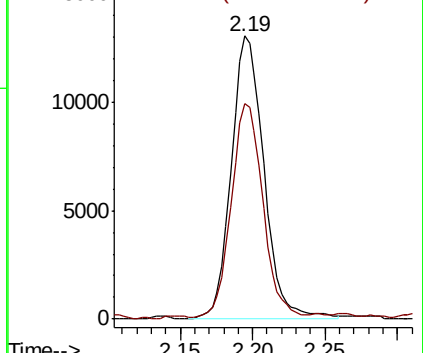
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 19.44 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

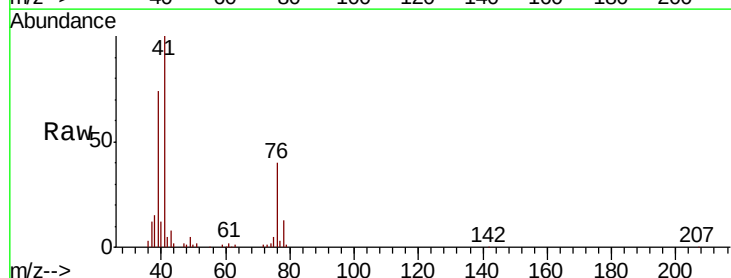
Tgt Ion: 41 Resp: 67542

Ion Ratio Lower Upper

41 100

39 74.2 60.6 91.0

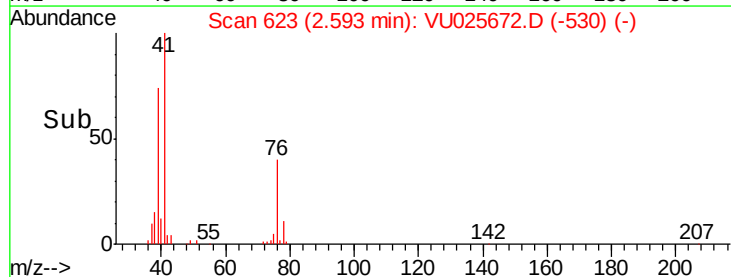
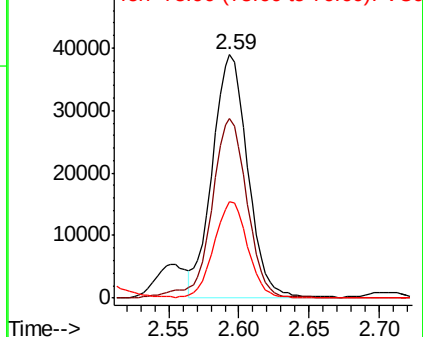
76 38.0 30.5 45.7

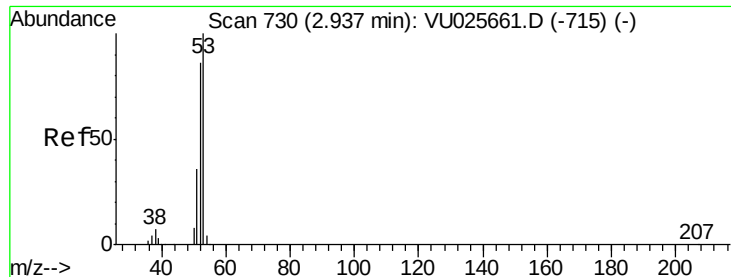


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 107.22 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

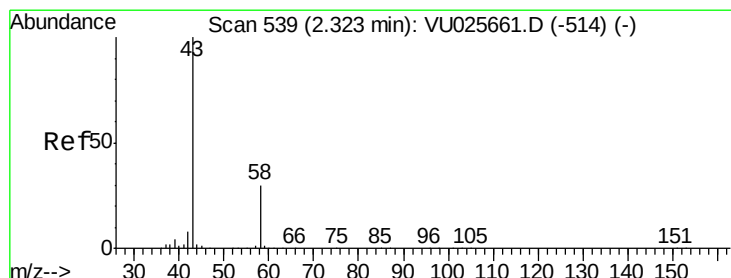
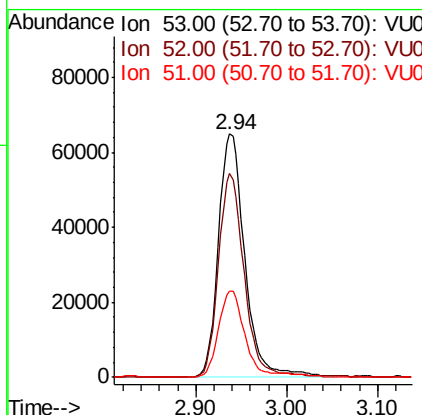
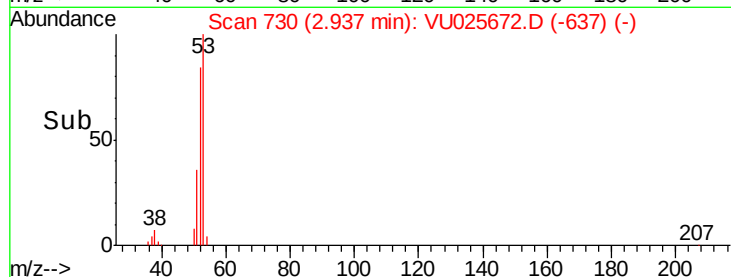
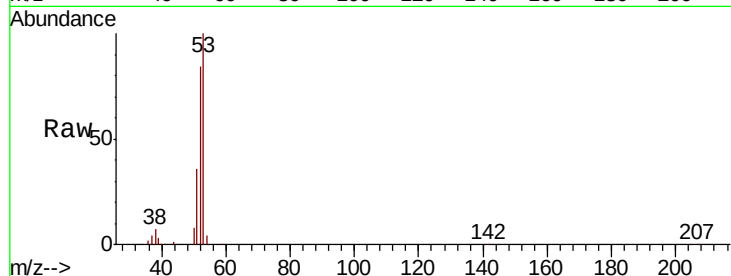
ClientSampleId :

VU0727WBS01

Tot Ion	53	Resp	131485
Ion Ratio	Lower	Upper	
53	100		
52	81.5	66.6	99.8
51	34.7	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 106.40 ug/l

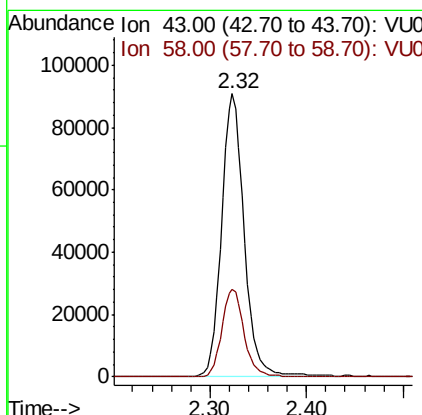
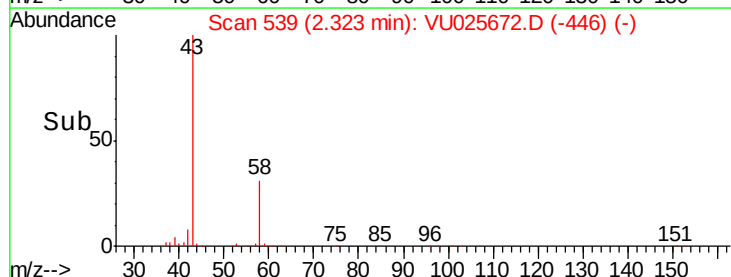
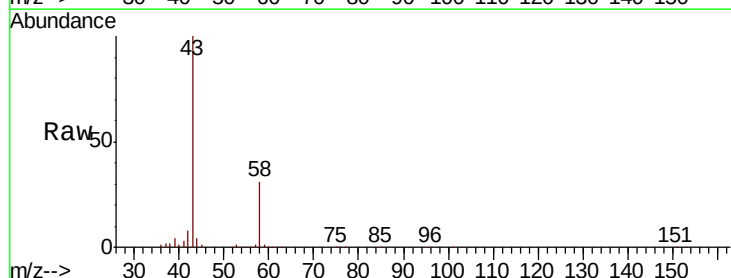
RT: 2.32 min Scan# 539

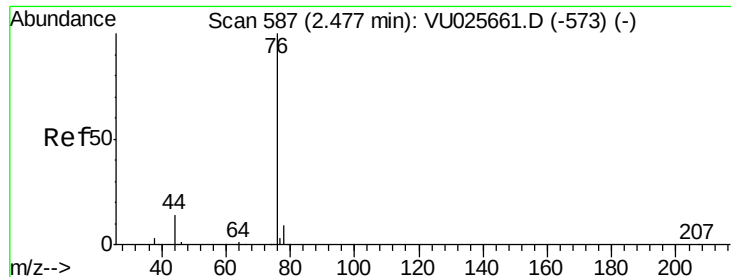
Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Tgt Ion	43	Resp	145519
Ion Ratio	Lower	Upper	
43	100		
58	31.2	23.1	34.7





#17

Carbon Disulfide

Concen: 18.96 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

Tot Ion: 76 Resp: 118615

Ion Ratio Lower Upper

76 100

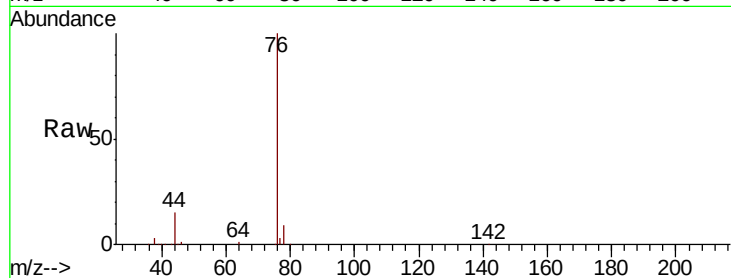
78 8.8 7.4 11.2

Manual Integrations

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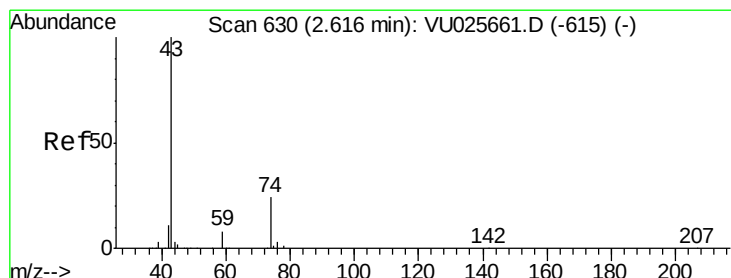
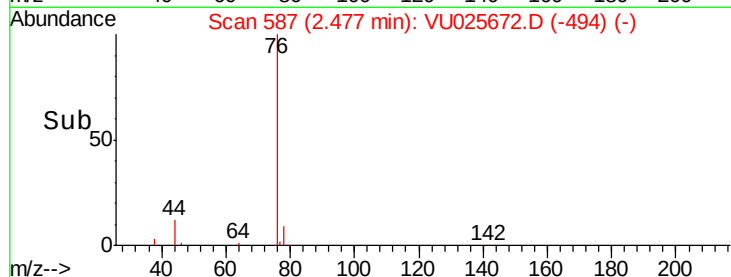
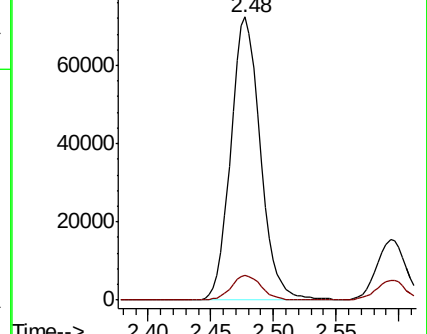
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 22.82 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025672.D

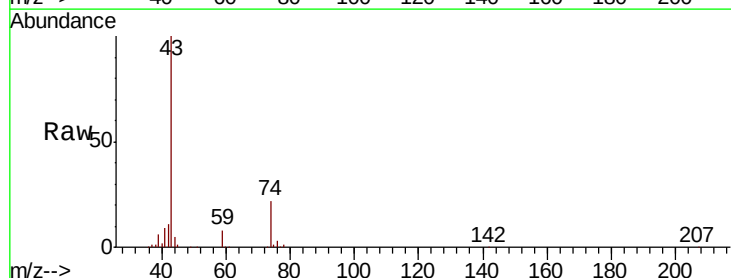
Acq: 27 Jul 2018 16:28

Tgt Ion: 43 Resp: 75130

Ion Ratio Lower Upper

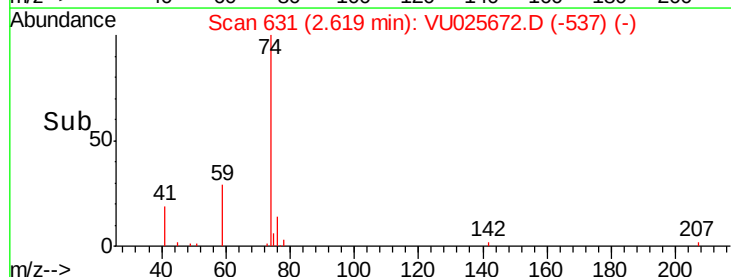
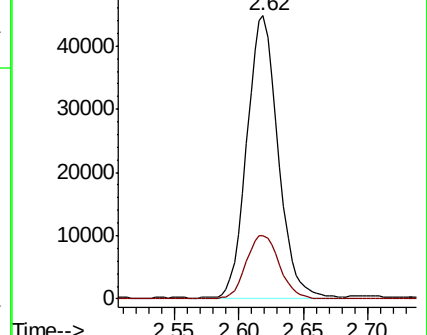
43 100

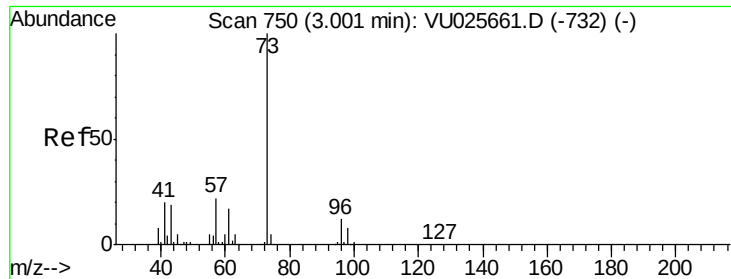
74 23.9 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





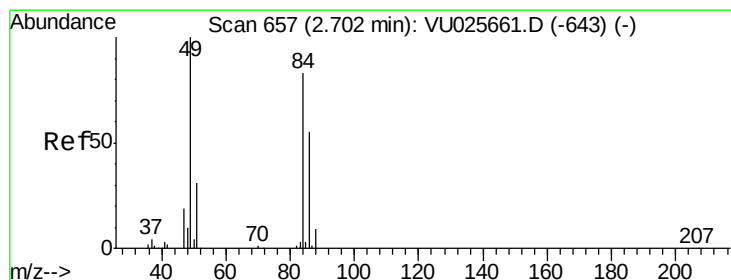
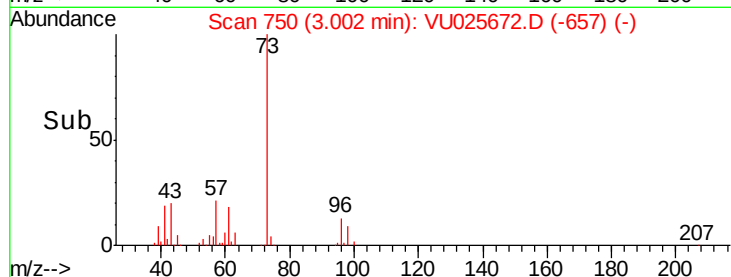
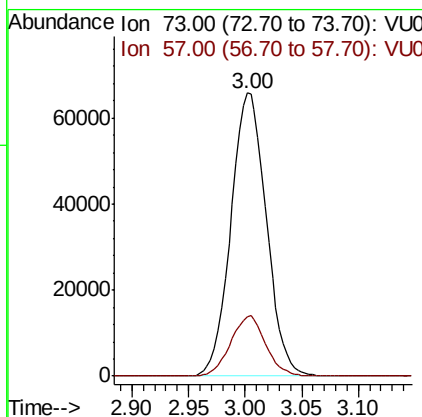
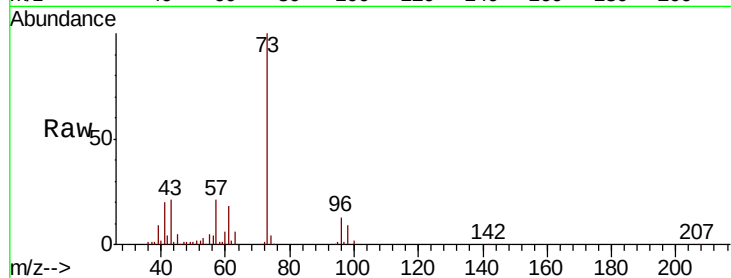
#19
Methvl tert-butvl Ether
Concen: 20.44 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2

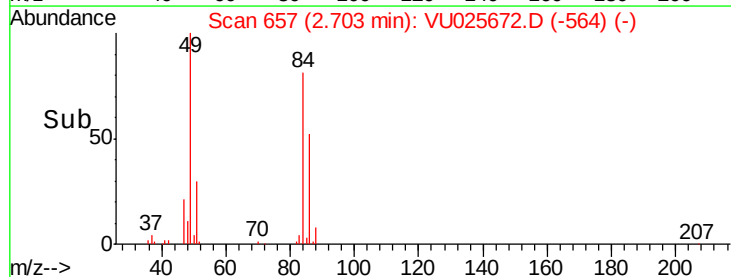
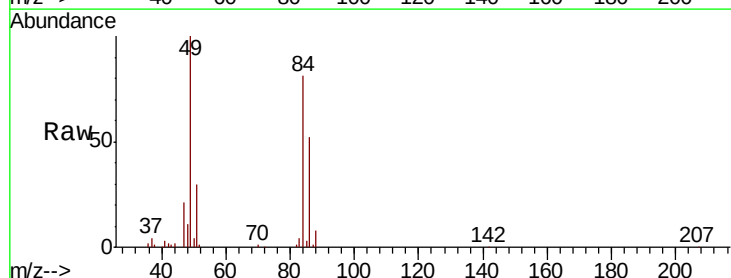
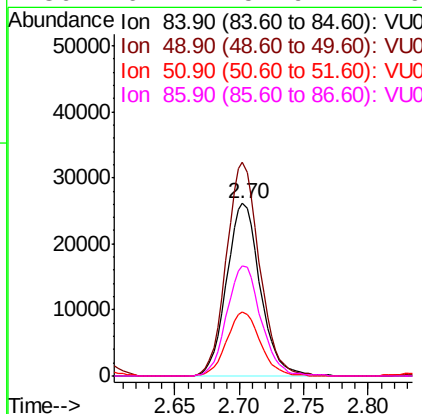
Manual Integrations
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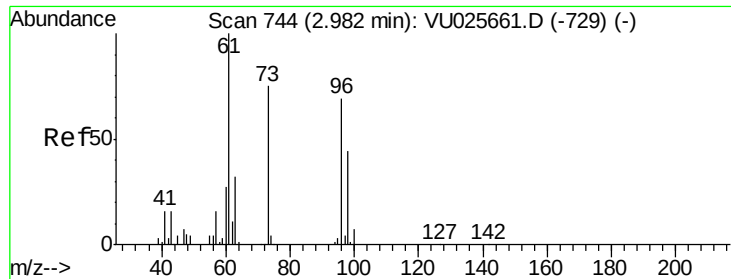
MMDadoda
7/31/2018 3:49:16 PM



#20
Methylene Chloride
Concen: 19.50 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.0	101.8	152.6
51	36.9	30.8	46.2
86	64.2	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 19.67 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

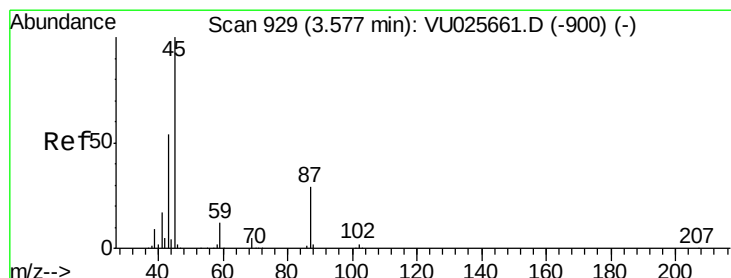
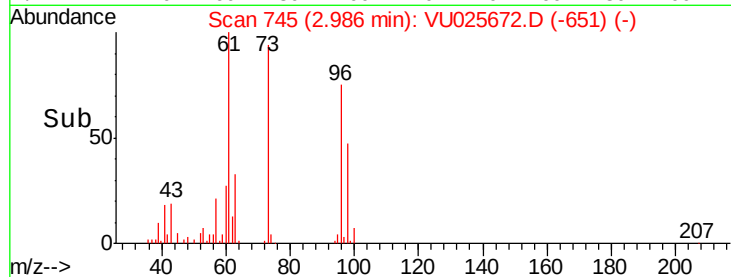
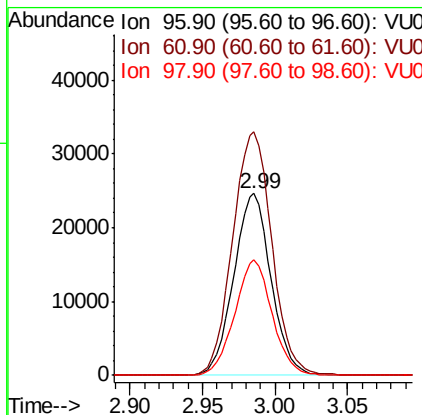
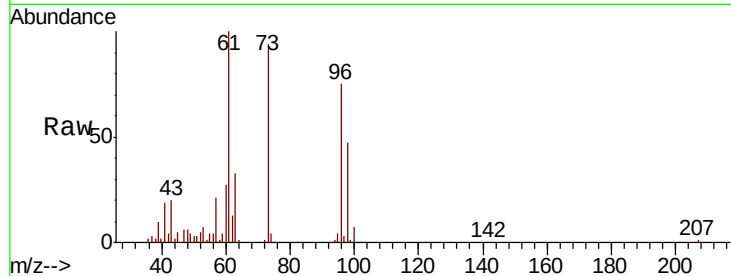
ClientSampleId :

VU0727WBS01

Tot Ion:	96	Resp:	43961
Ion	Ratio	Lower	Upper
96	100		
61	133.8	114.5	171.7
98	63.2	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.45 ug/l

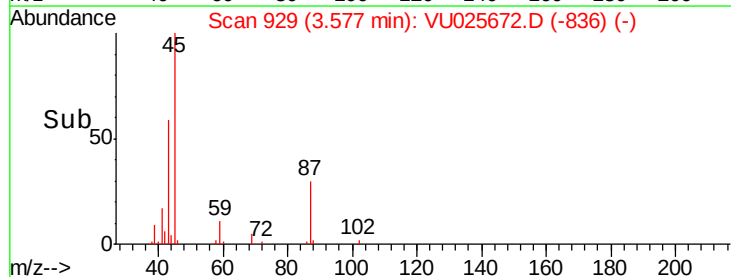
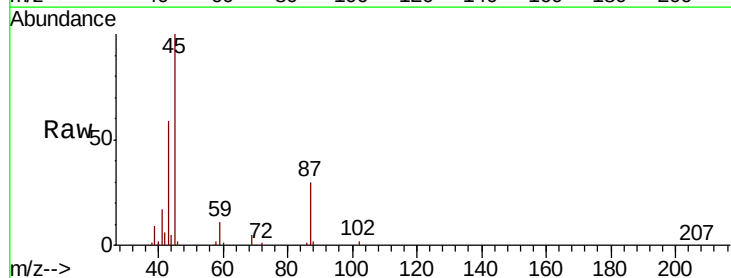
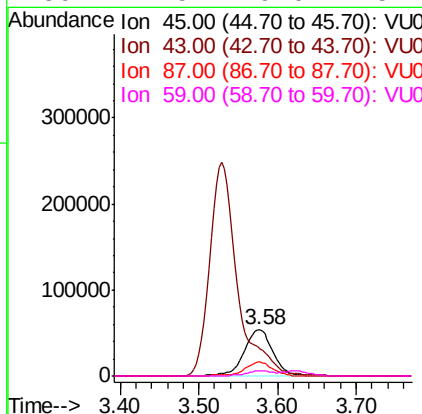
RT: 3.58 min Scan# 929

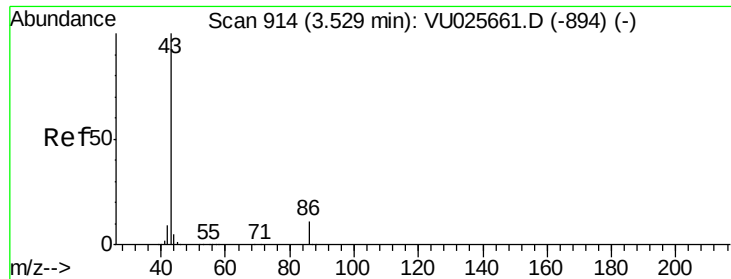
Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Tgt Ion:	45	Resp:	139992
Ion	Ratio	Lower	Upper
45	100		
43	57.7	50.9	76.3
87	30.2	23.8	35.8
59	11.5	9.0	13.4





#23

Vinyl Acetate

Concen: 101.28 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

Tot Ion: 43 Resp: 604244

Ion Ratio Lower Upper

43 100

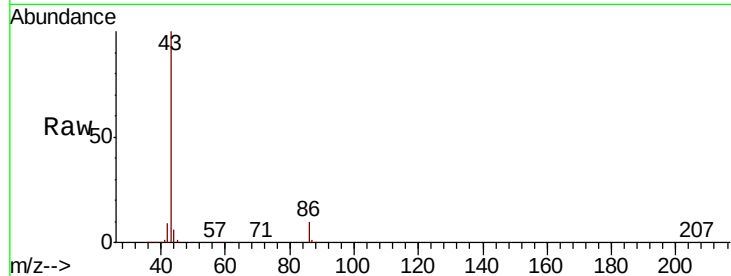
86 10.5 8.2 12.2

Manual Integrations

APPROVED

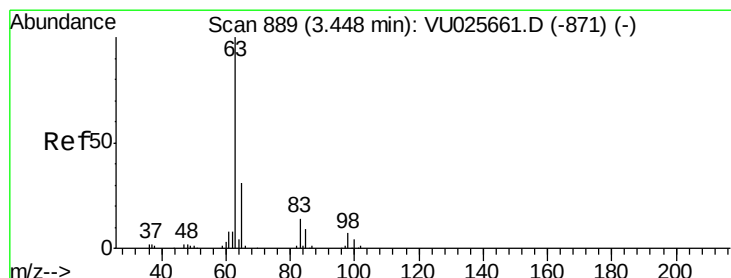
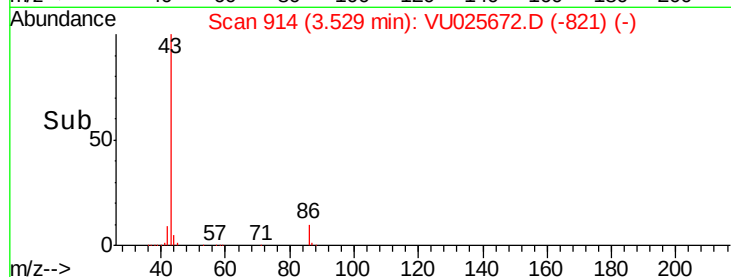
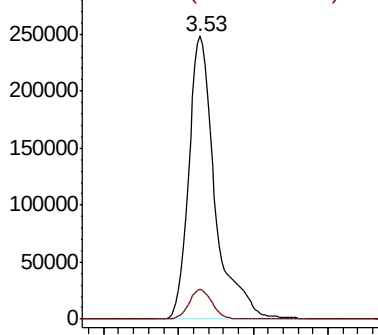
MMDadoda

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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: 20.19 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

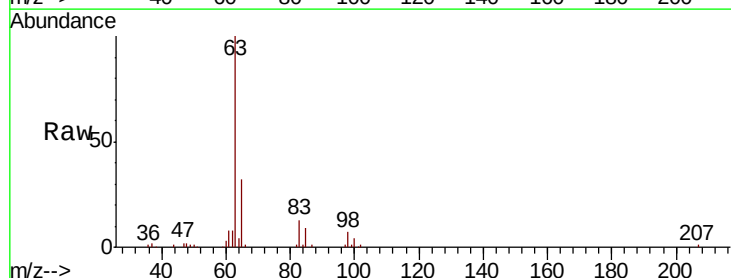
Tgt Ion: 63 Resp: 82989

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

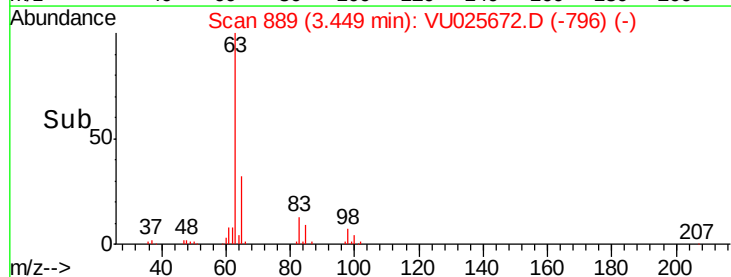
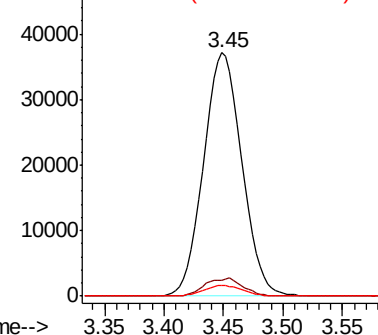
100 4.4 2.0 6.0

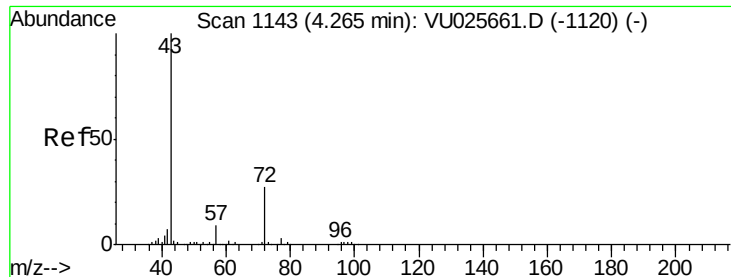


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





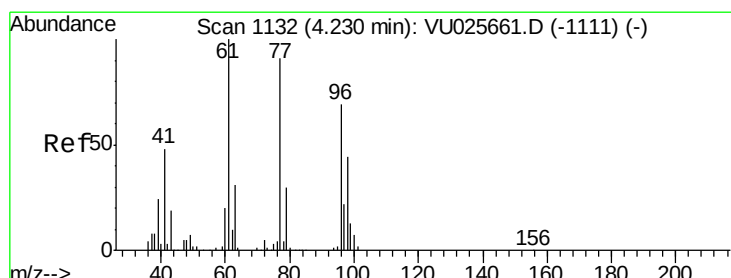
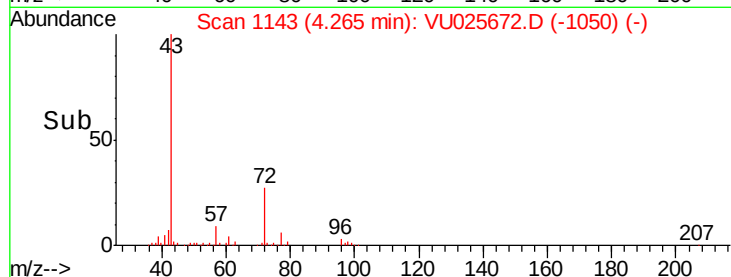
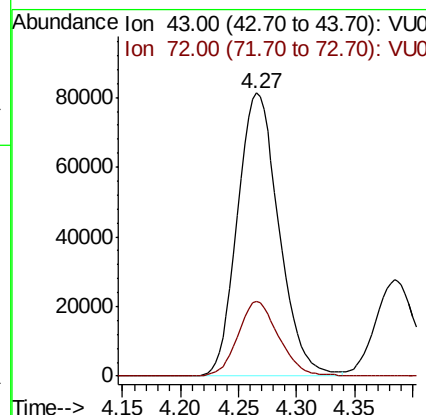
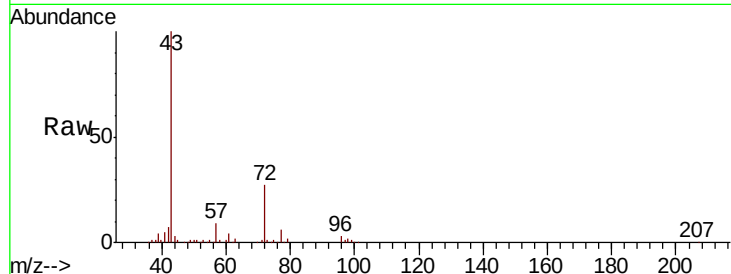
#25
2-Butanone
Concen: 107.66 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion	43	Resp	200440
Ion Ratio	43	100	
Lower	72	26.6	21.0
Upper			31.4

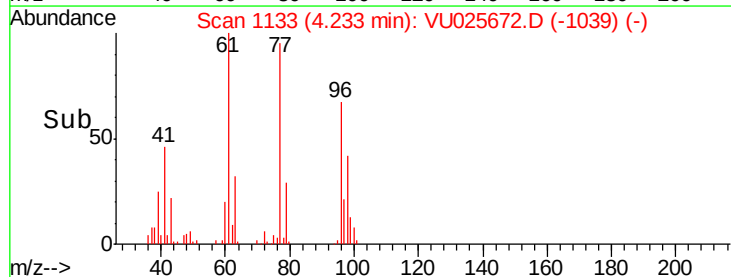
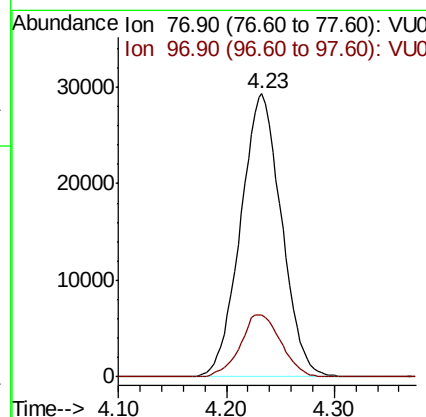
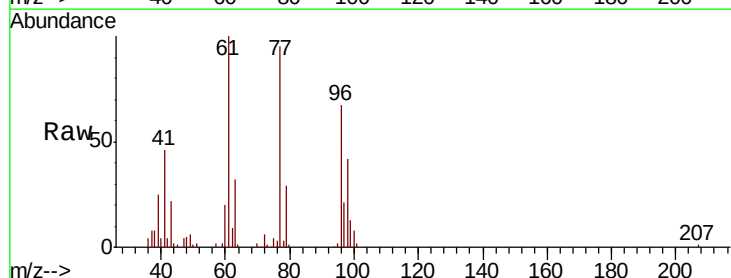
Manual Integrations
APPROVED

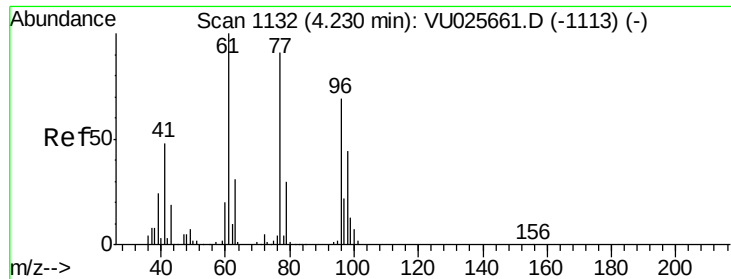
MMDadoda
7/31/2018 3:49:16 PM



#26
2,2-Dichloropropane
Concen: 20.65 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion	77	Resp	77137
Ion Ratio	77	100	
Lower	97	21.9	11.2
Upper			33.5





#27

cis-1,2-Dichloroethene

Concen: 19.90 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

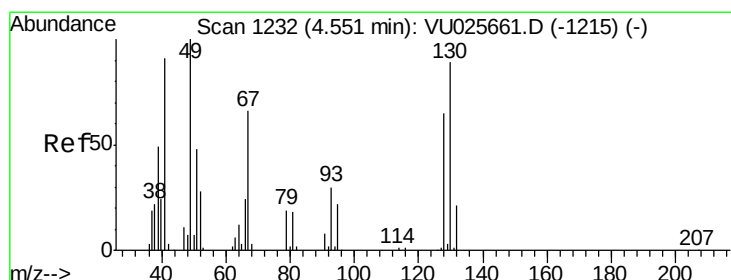
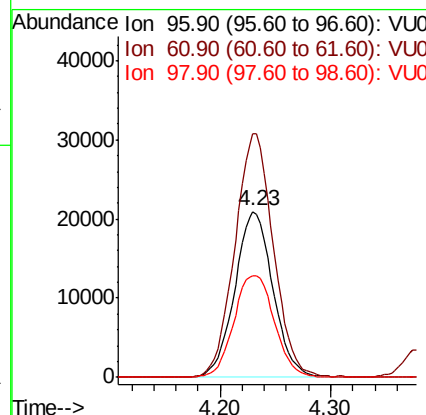
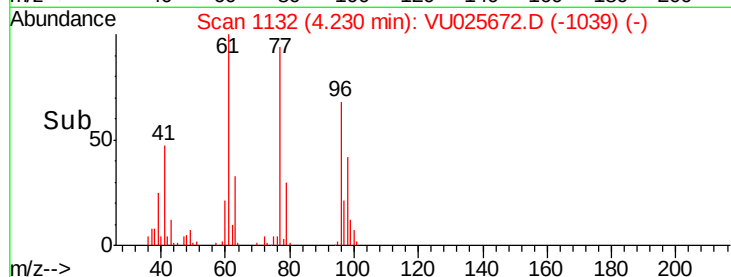
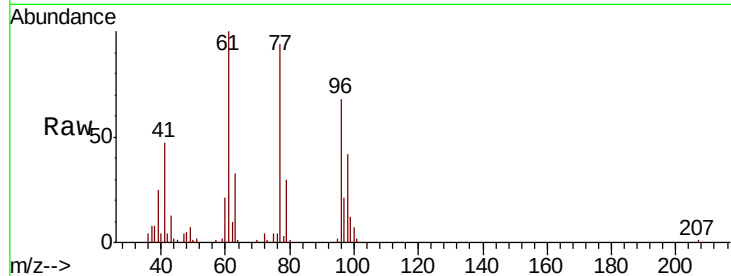
ClientSampleId :

VU0727WBS01

Tot Ion:	96	Resp:	50143
Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	299.8
98	65.1	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 21.35 ug/l

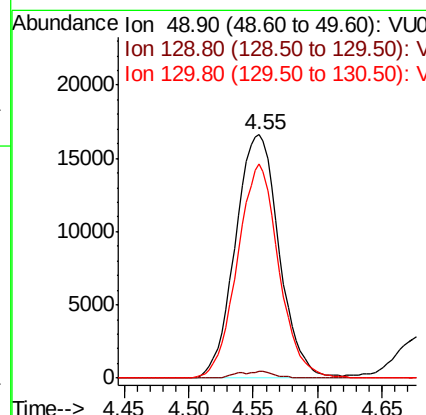
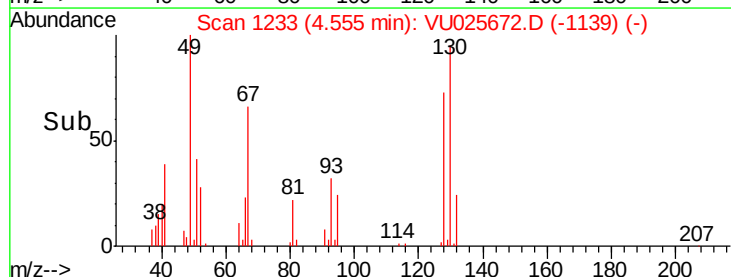
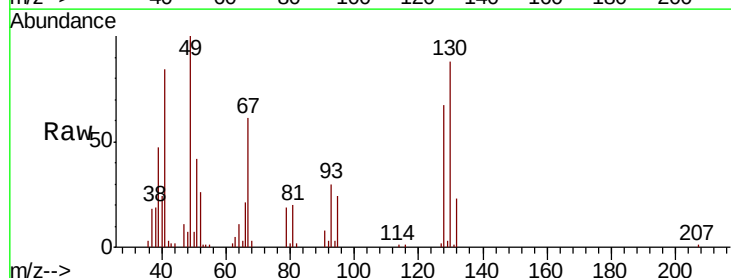
RT: 4.55 min Scan# 1233

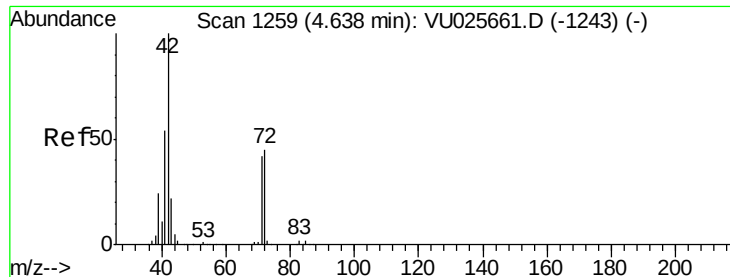
Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Tgt Ion:	49	Resp:	39235
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	83.2	68.6	102.8





#29

Tetrahydrofuran

Concen: 106.62 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

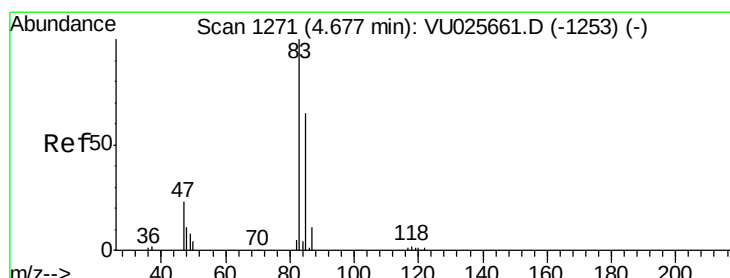
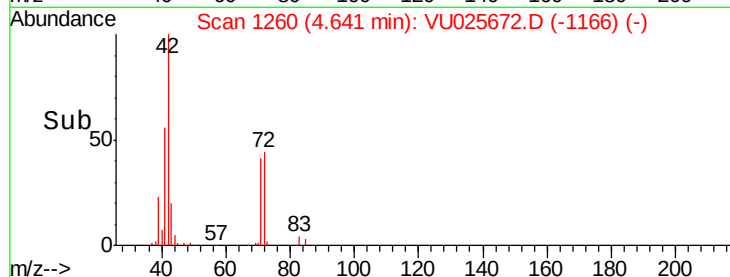
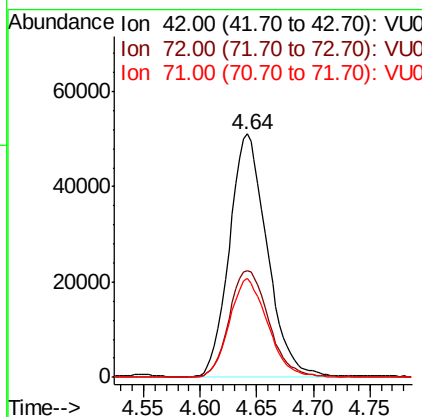
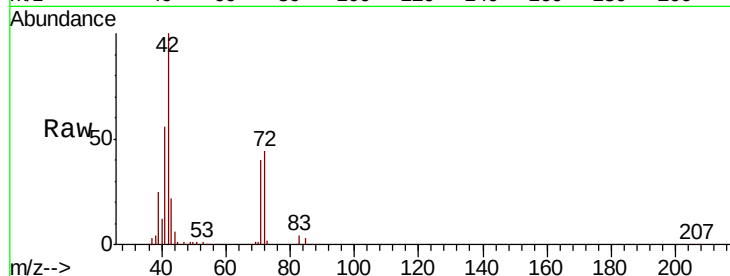
ClientSampleId :

VU0727WBS01

Tot Ion:	42	Resp:	118933
Ion	Ratio	Lower	Upper
42	100		
72	46.2	36.7	55.1
71	41.0	33.9	50.9

Manual Integrations
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#30

Chloroform

Concen: 19.77 ug/l

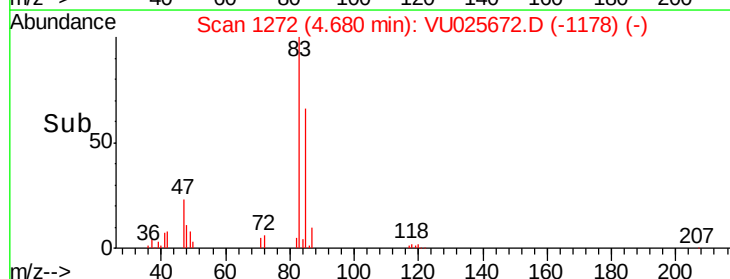
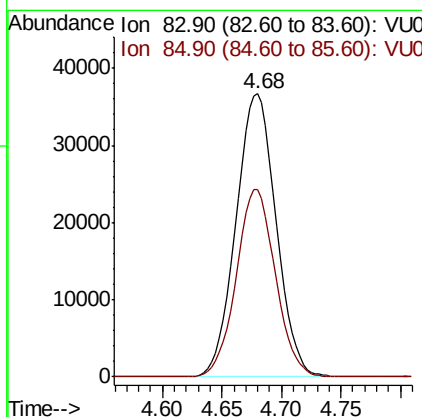
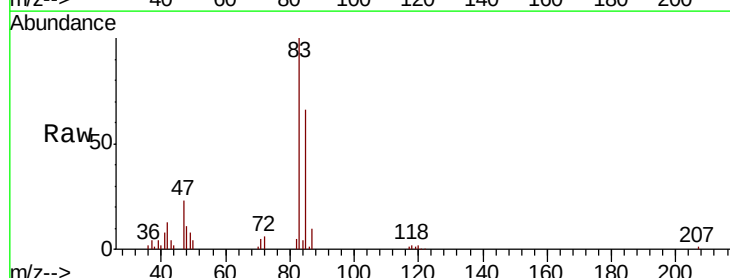
RT: 4.68 min Scan# 1272

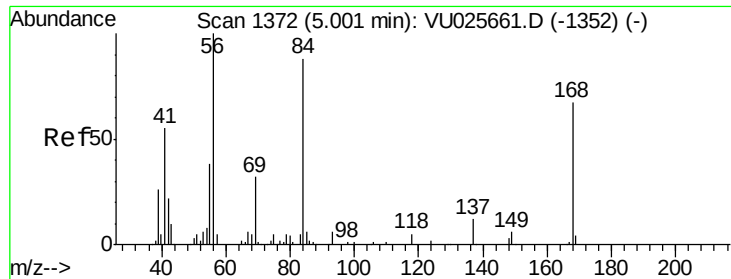
Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Tgt Ion:	83	Resp:	85737
Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.5	77.3





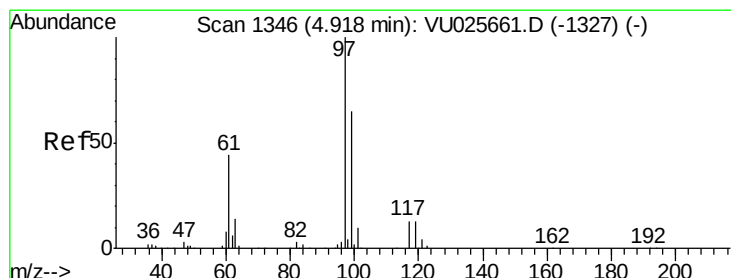
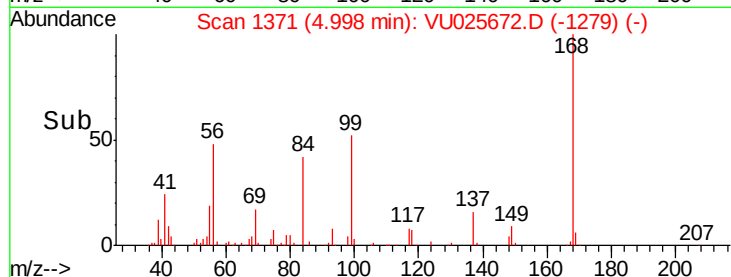
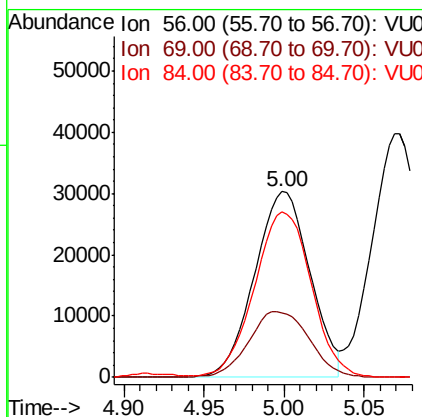
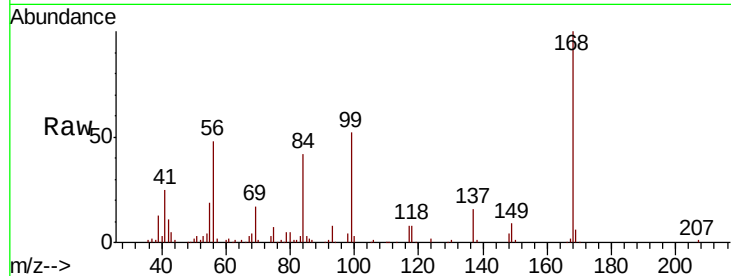
#31
Cyclohexane
Concen: 19.56 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	26.8	40.2
84	88.2	69.7	104.5

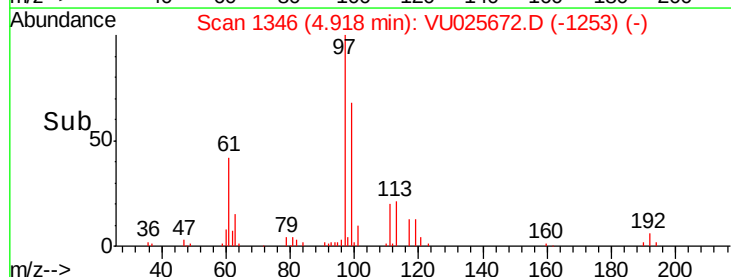
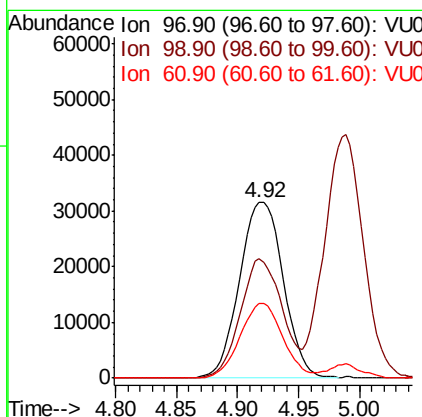
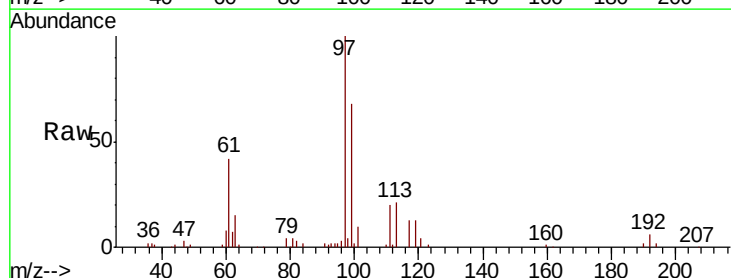
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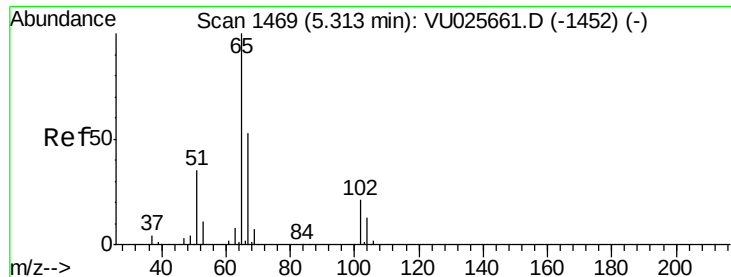
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.08 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	50.8	76.2
61	41.6	35.2	52.8





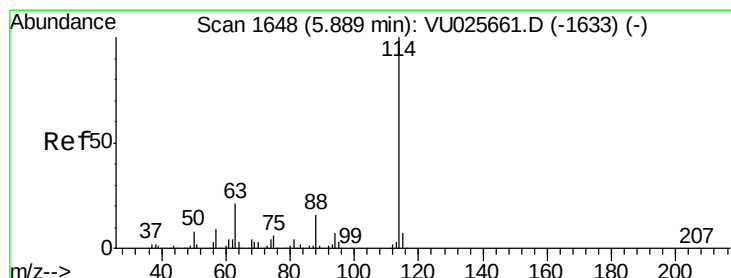
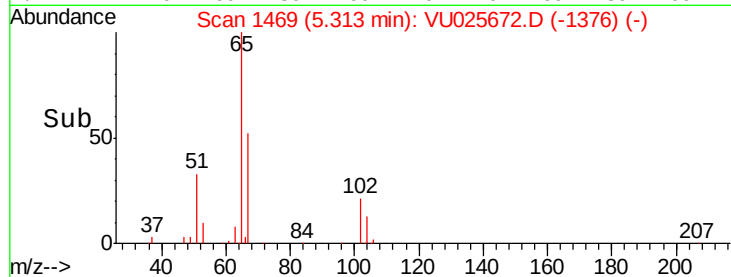
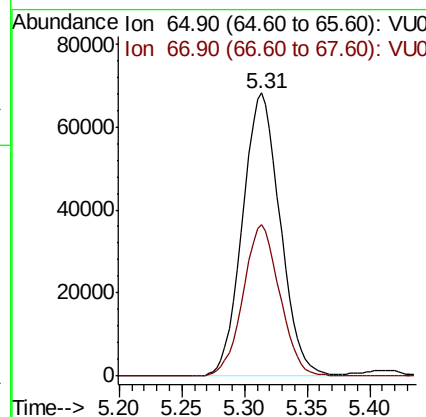
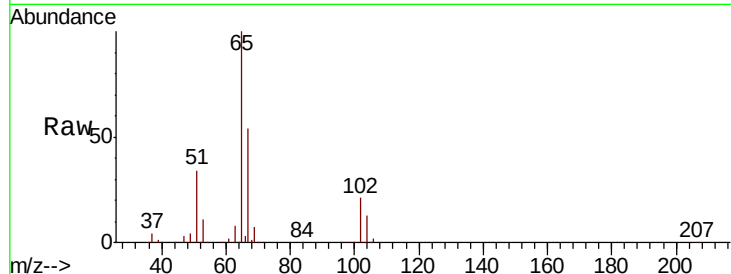
#33
 1,2-Dichloroethane-d4
 Concen: 50.82 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.6

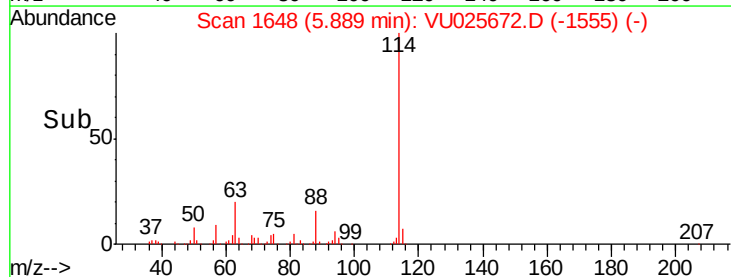
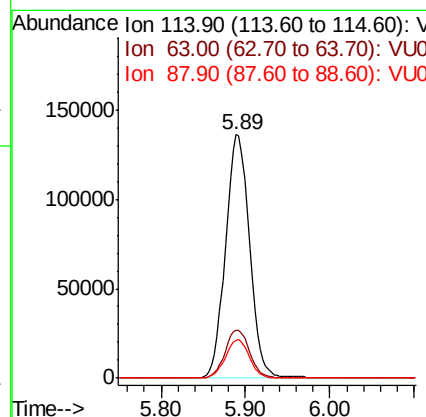
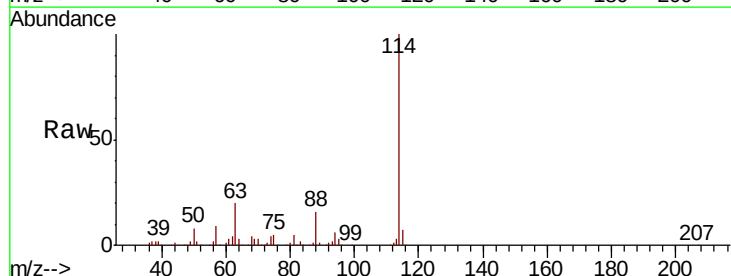
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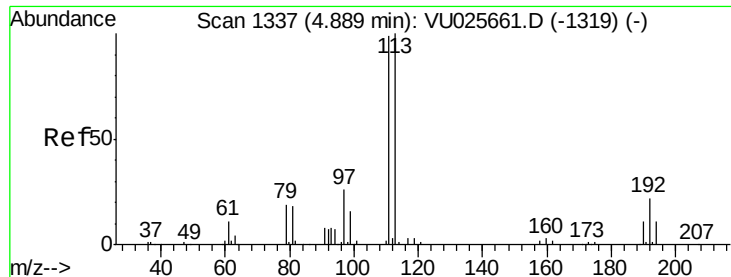
MMDadoda
 7/31/2018 3:49:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	41.6
88	15.6	0.0	32.4





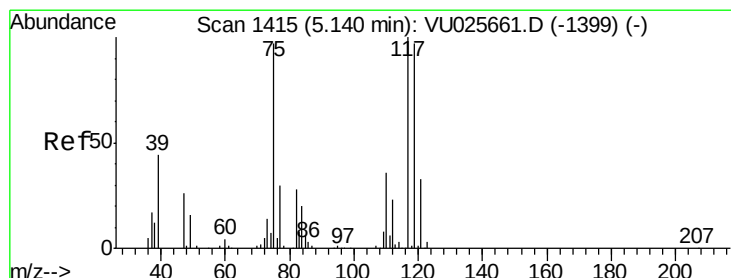
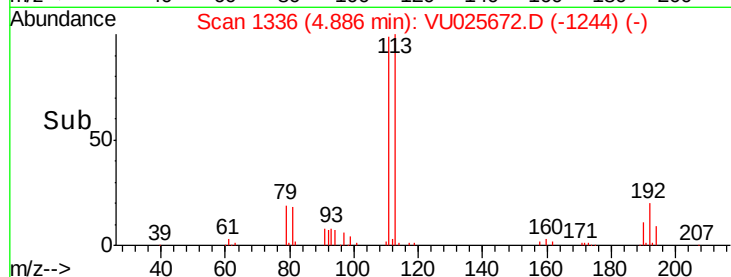
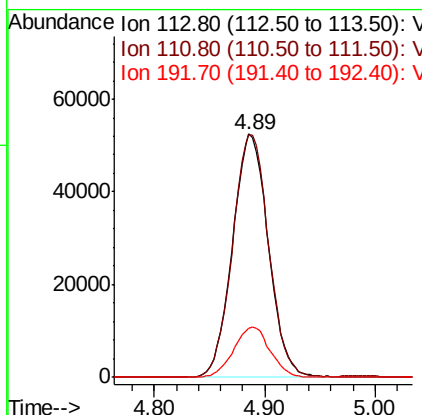
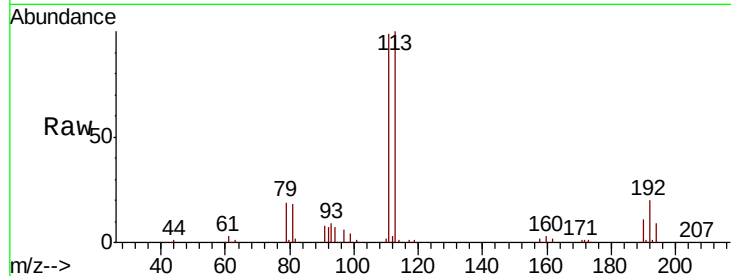
#35
 Dibromofluoromethane
 Concen: 50.30 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	118046		
111	100.6		81.7	122.5
192	20.9		17.1	25.7

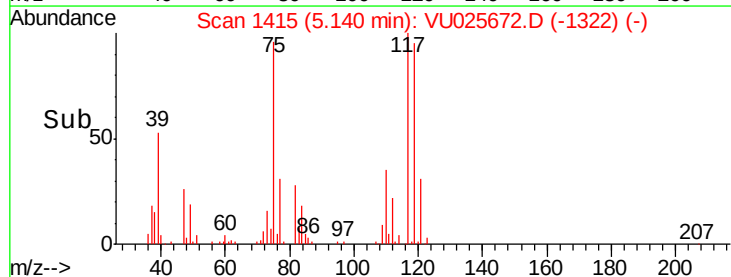
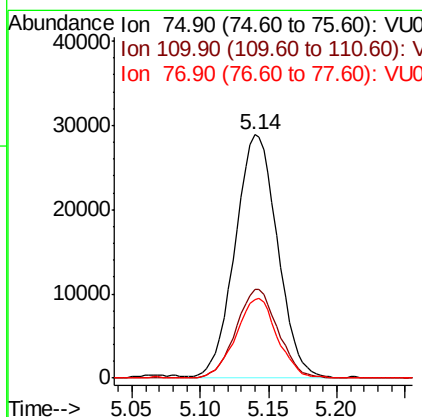
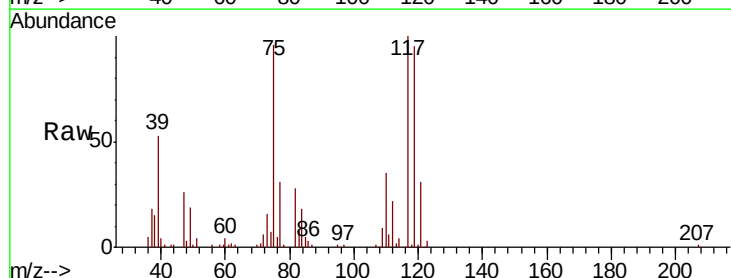
Manual Integrations
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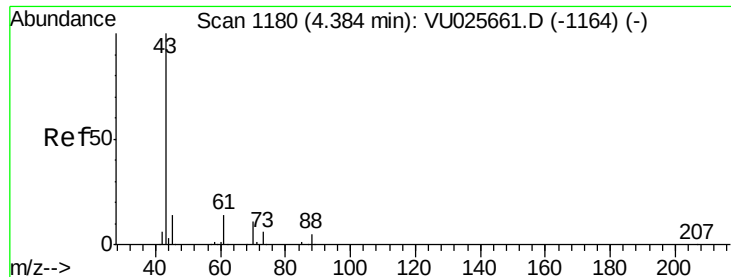
MMDadoda
 7/31/2018 3:49:16 PM



#36
 1,1-Dichloropropene
 Concen: 19.85 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62588		
110	36.0		17.6	52.9
77	31.8		24.4	36.6





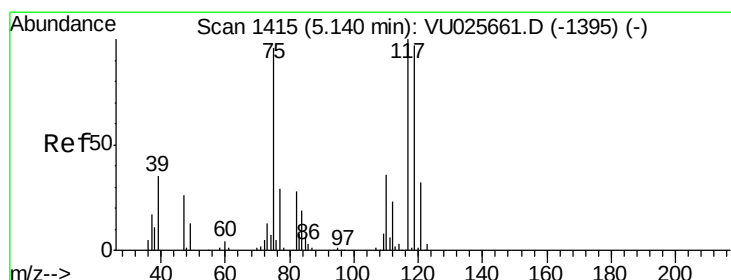
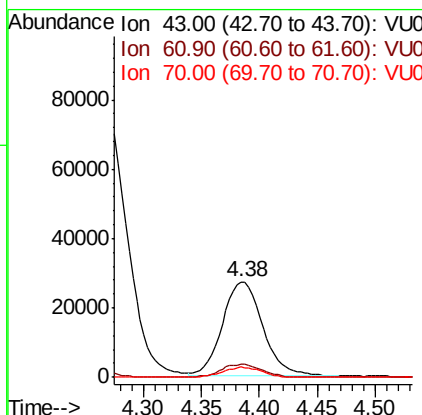
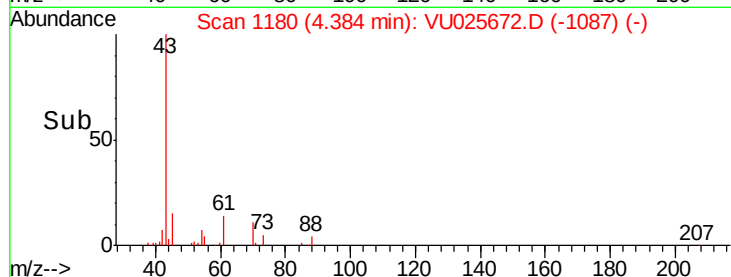
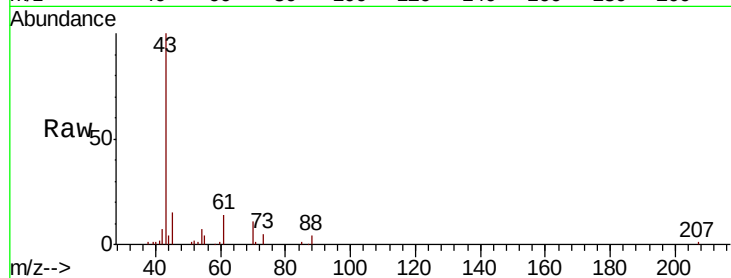
#37
Ethyl Acetate
Concen: 20.26 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion	43	Resp	66227
Ion Ratio	100	Lower	Upper
43	100		
61	14.5	10.7	16.1
70	10.4	8.4	12.6

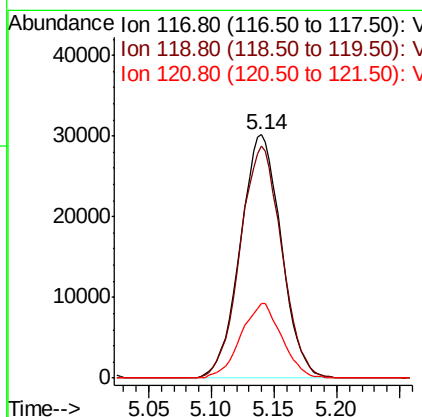
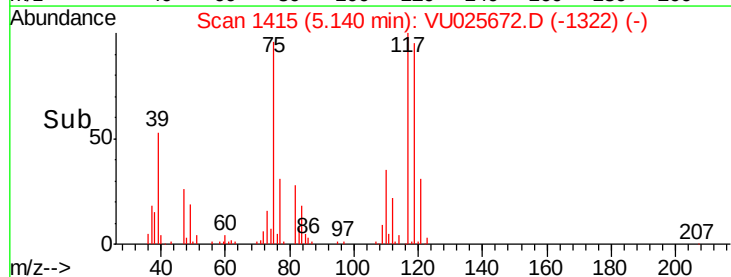
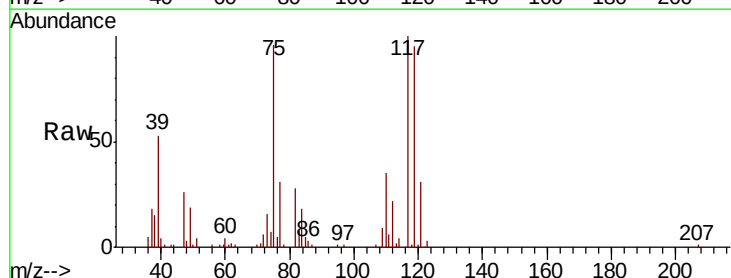
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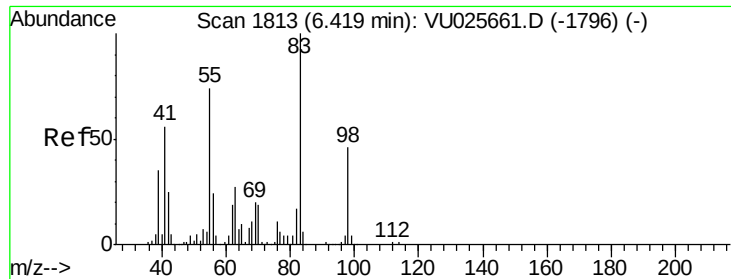
MMDadoda
7/31/2018 3:49:16 PM



#38
Carbon Tetrachloride
Concen: 19.18 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion	117	Resp	68512
Ion Ratio	100	Lower	Upper
117	100		
119	95.4	75.7	113.5
121	30.7	24.6	36.8





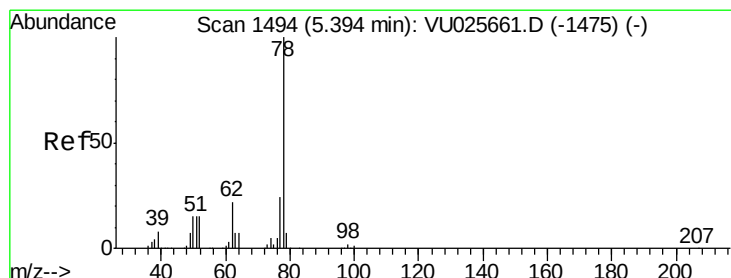
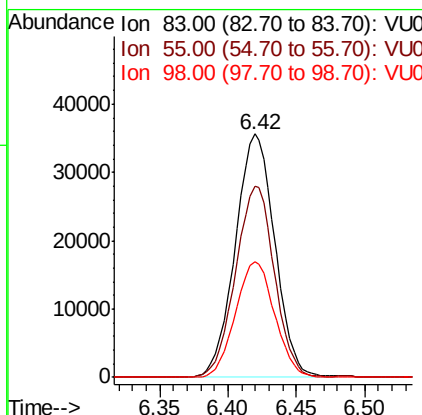
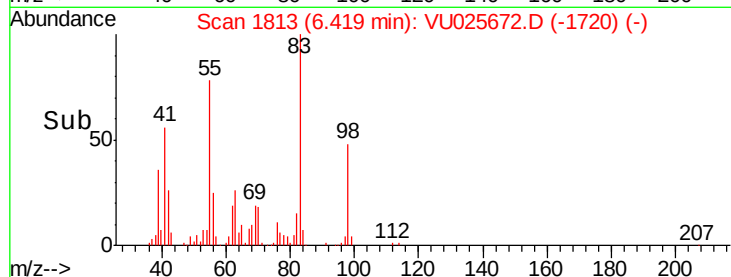
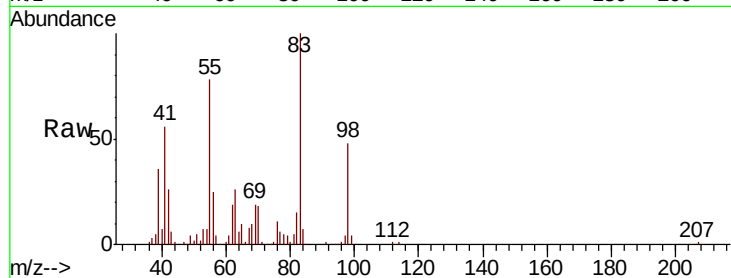
#39
Methylvlcyclohexane
Concen: 19.87 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion	83	Resp	71778
Ion	Ratio	Lower	Upper
83	100		
55	78.4	60.0	90.0
98	47.7	36.1	54.1

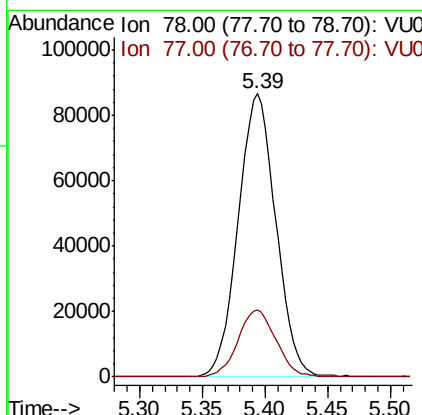
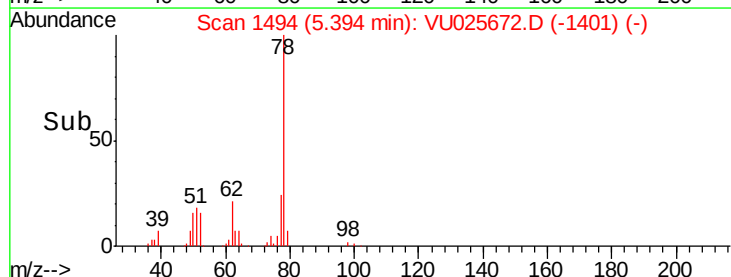
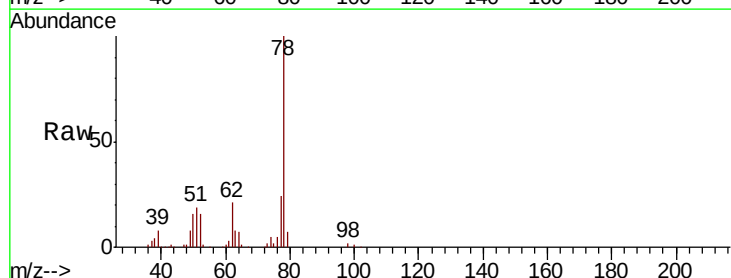
Manual Integrations
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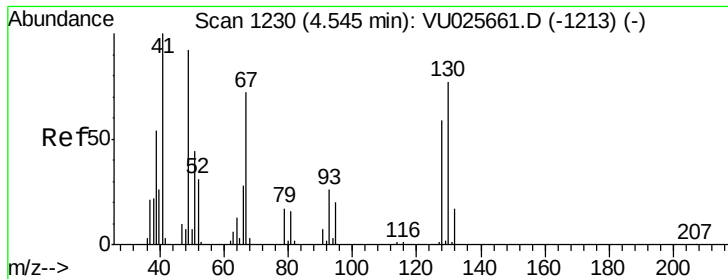
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#40
Benzene
Concen: 19.66 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion	78	Resp	181192
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.8	29.6





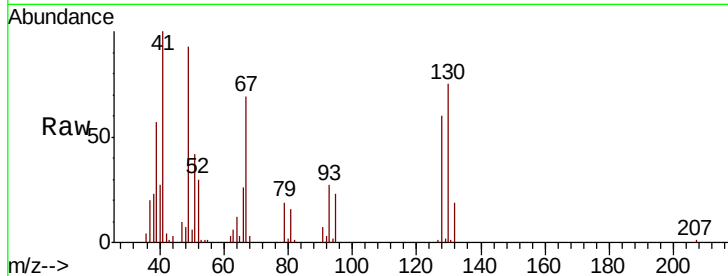
#41
Methacrylonitrile
Concen: 21.04 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	55.9	44.4	66.6		
67	71.1	56.0	84.0		
52	30.5	24.6	36.8		

Manual Integrations
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7/31/2018 3:49:16 PM



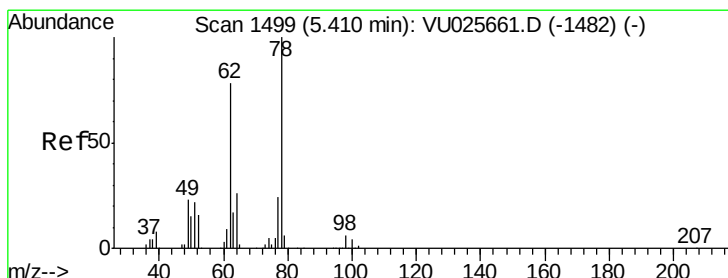
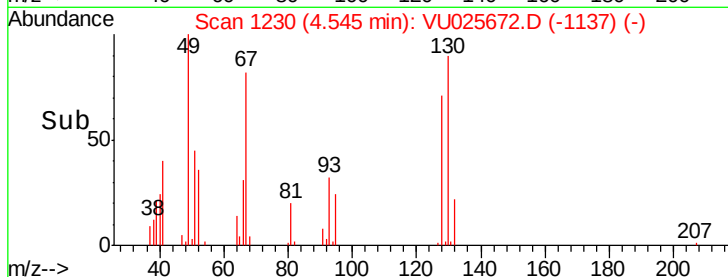
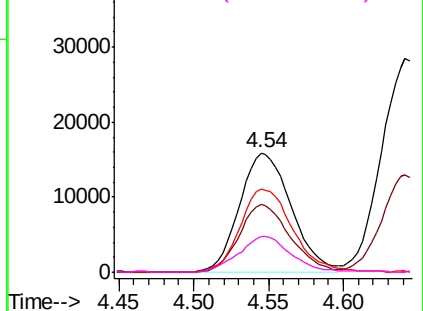
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

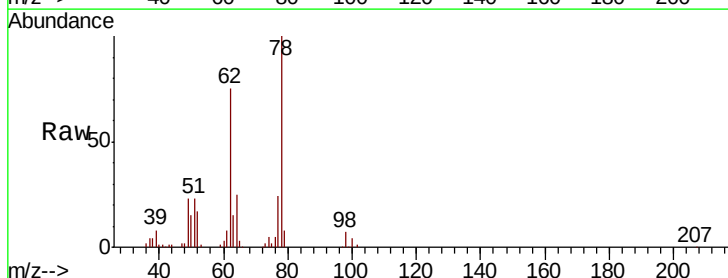
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 19.63 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

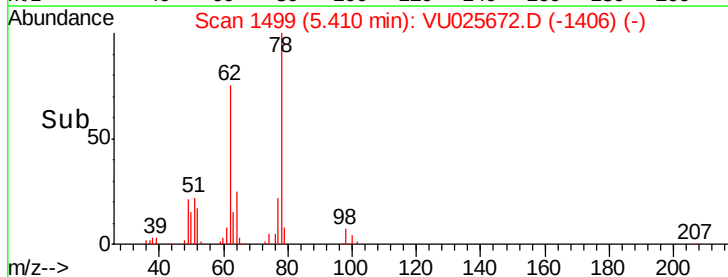
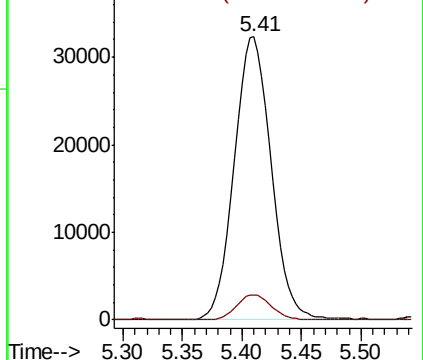
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.3	0.0	16.4		

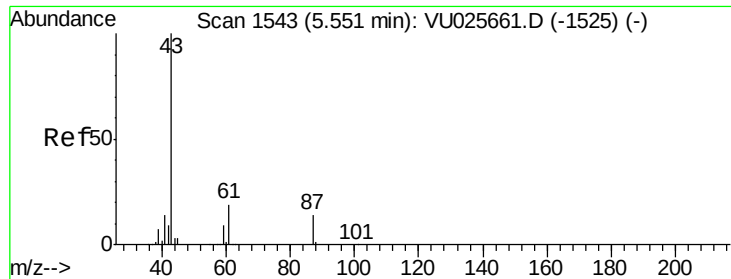


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 20.26 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

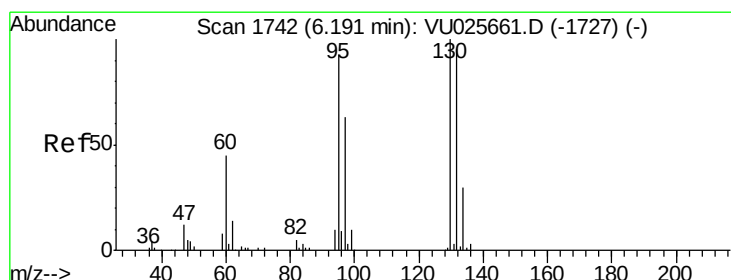
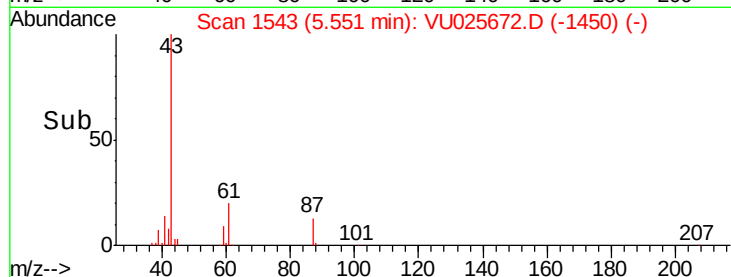
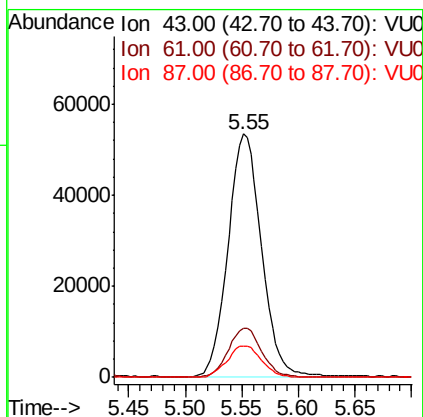
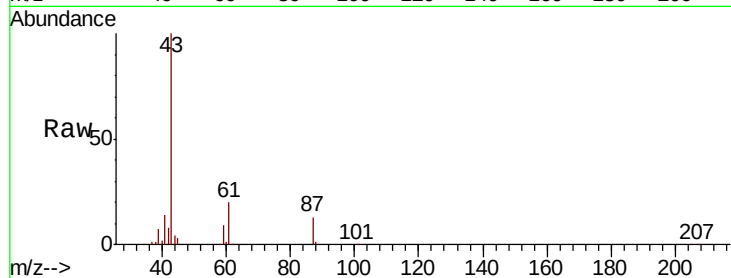
ClientSampleId :

VU0727WBS01

Tot Ion:	43	Resp:	109443
Ion	Ratio	Lower	Upper
43	100		
61	20.3	15.5	23.3
87	13.4	10.6	16.0

Manual Integrations
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7/31/2018 3:49:16 PM



#44

Trichloroethene

Concen: 19.84 ug/l

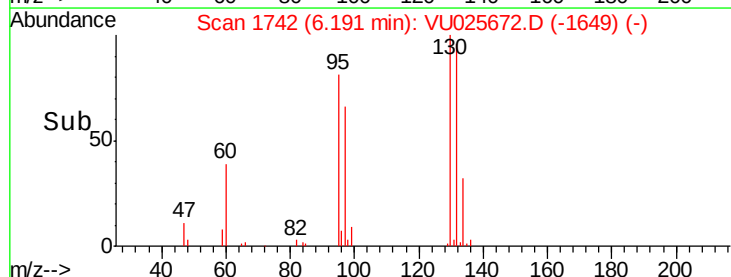
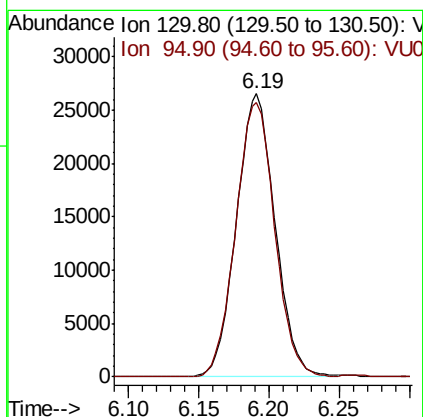
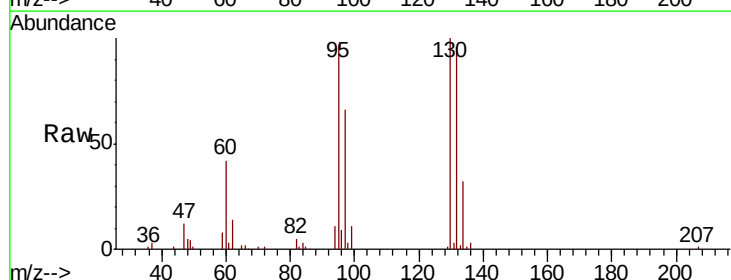
RT: 6.19 min Scan# 1742

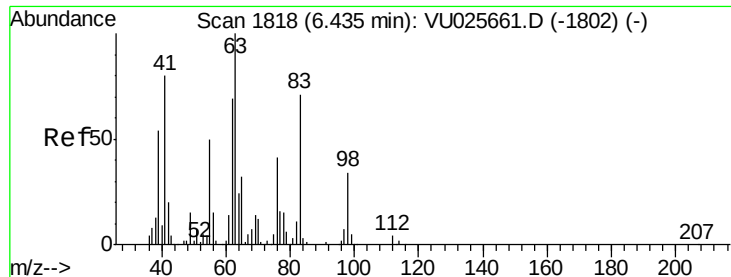
Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Tgt Ion:	130	Resp:	50930
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	192.2





#45

1,2-Dichloropropane

Concen: 19.63 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

Tot Ion: 63 Resp: 47189

Ion Ratio Lower Upper

63 100

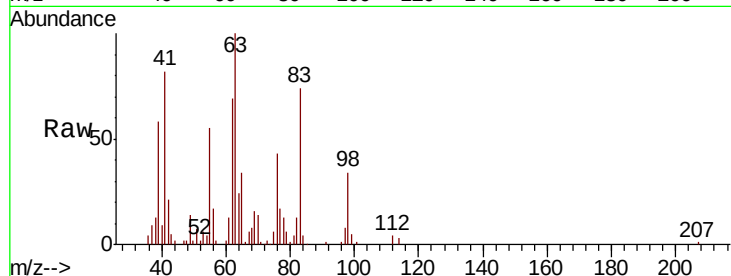
65 34.3 26.1 39.1

Manual Integrations

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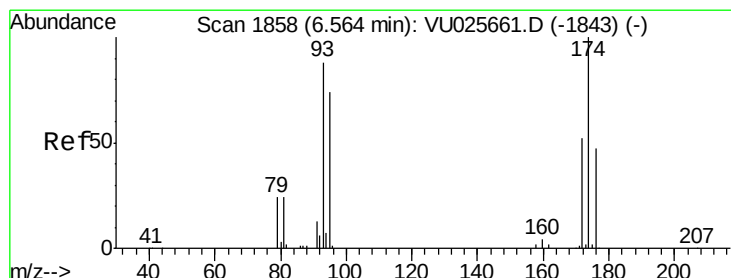
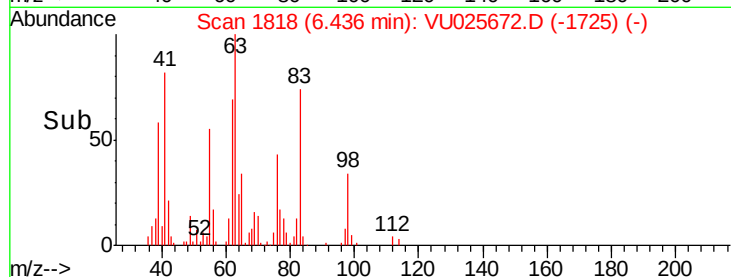
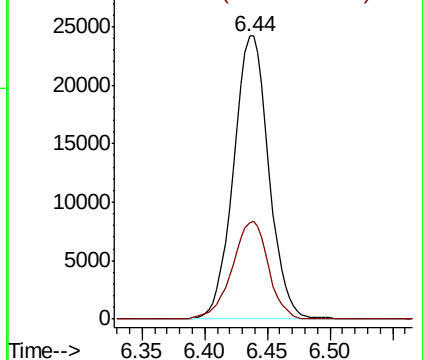
MMDadoda

7/31/2018 3:49:16 PM



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 19.87 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

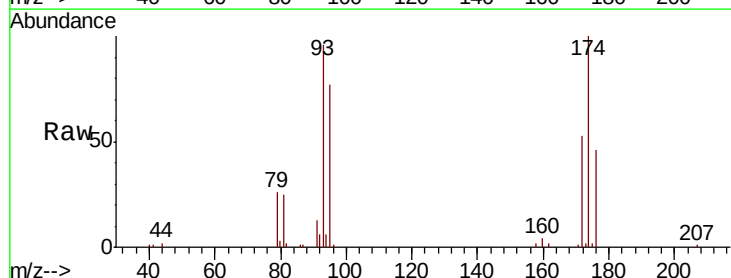
Tgt Ion: 93 Resp: 34604

Ion Ratio Lower Upper

93 100

95 81.6 66.6 100.0

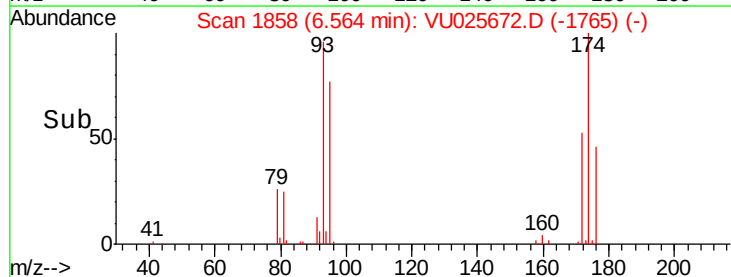
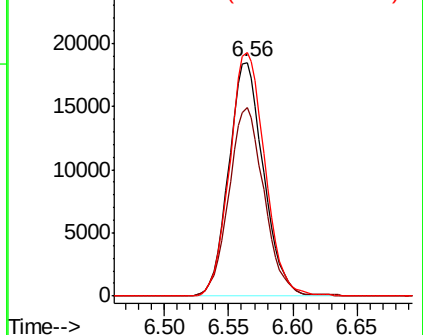
174 105.8 85.8 128.8

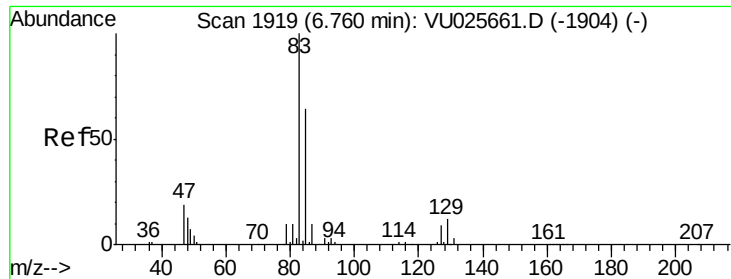


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





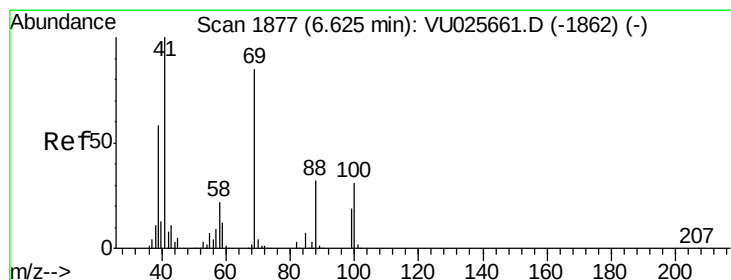
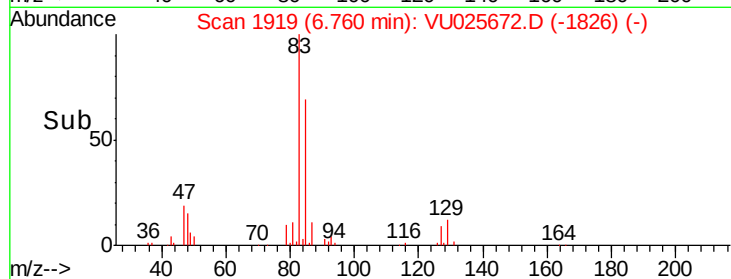
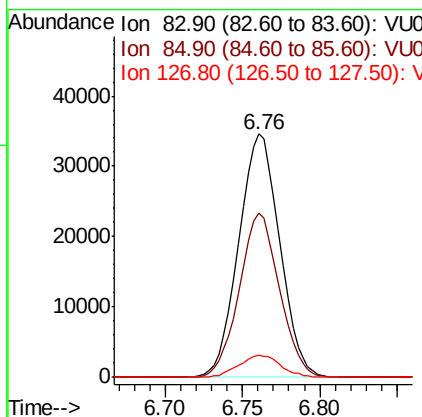
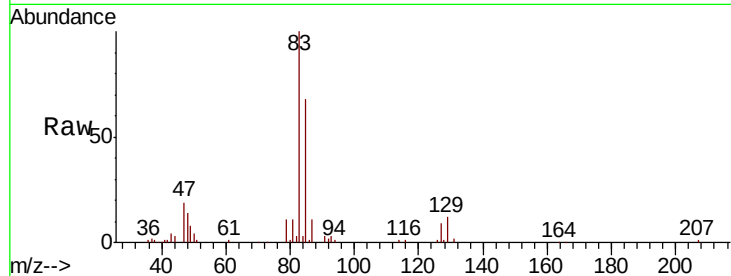
#47
Bromodichloromethane
Concen: 19.22 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion	83	Resp	63855
Ion Ratio	100	Lower	Upper
83	100		
85	67.7	50.2	75.4
127	8.9	7.2	10.8

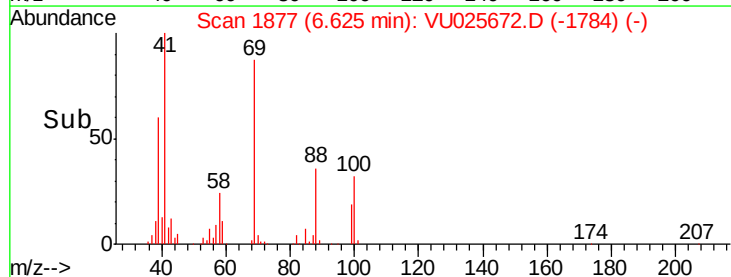
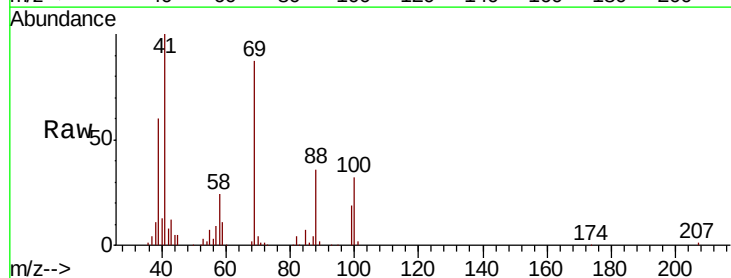
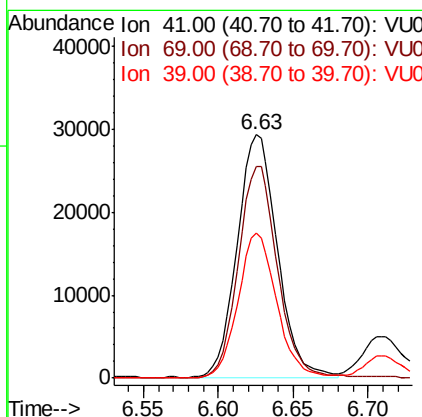
Manual Integrations
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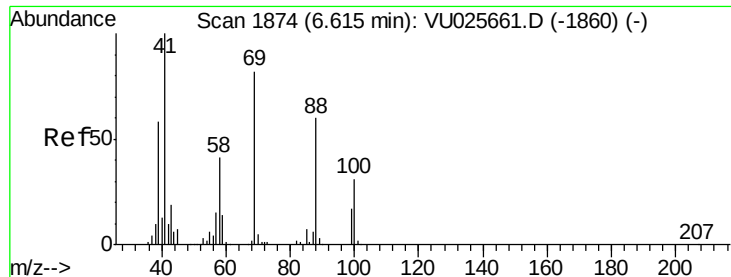
MMDadoda
7/31/2018 3:49:16 PM



#48
Methyl methacrylate
Concen: 20.85 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion	41	Resp	55212
Ion Ratio	100	Lower	Upper
41	100		
69	84.6	65.0	97.4
39	57.1	46.4	69.6





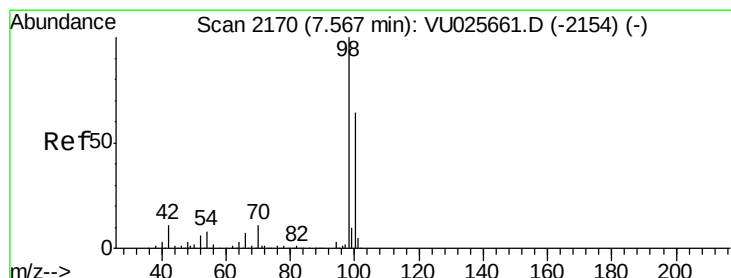
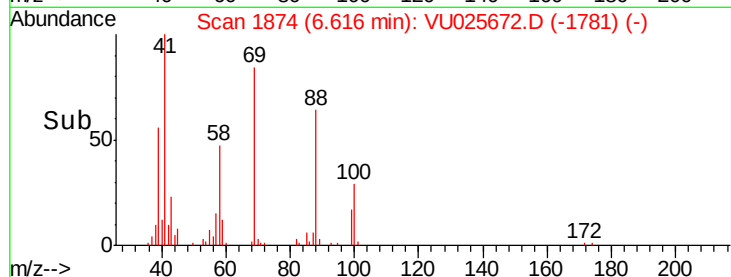
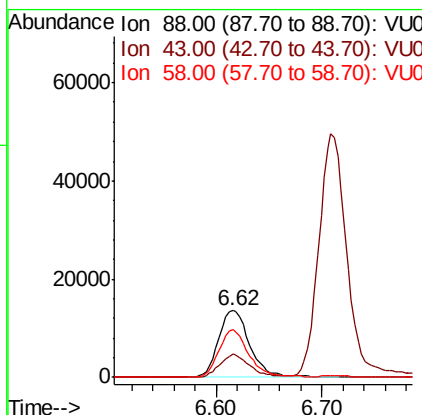
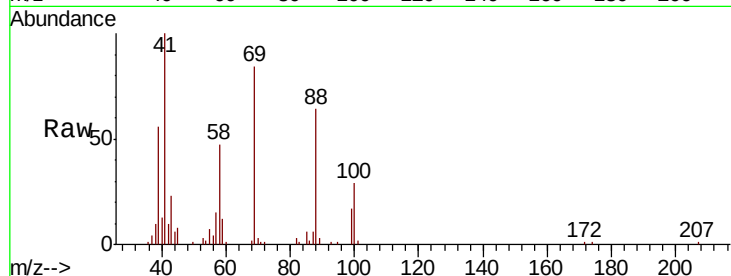
#49
1,4-Dioxane
Concen: 433.30 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	27.3	40.9
58	68.3	57.6	86.4

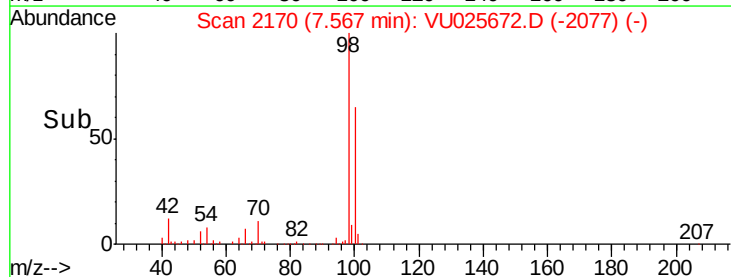
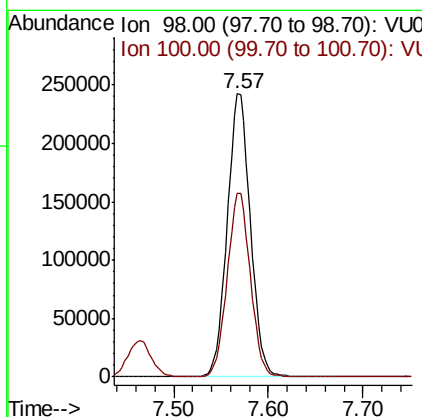
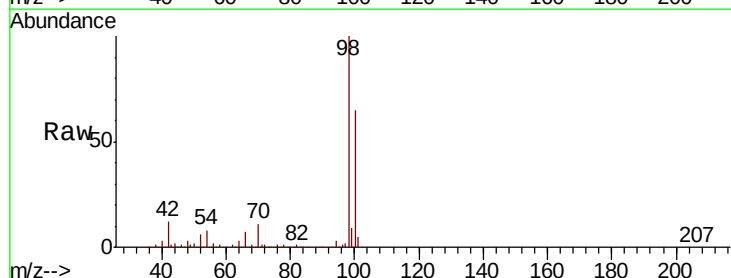
Manual Integrations
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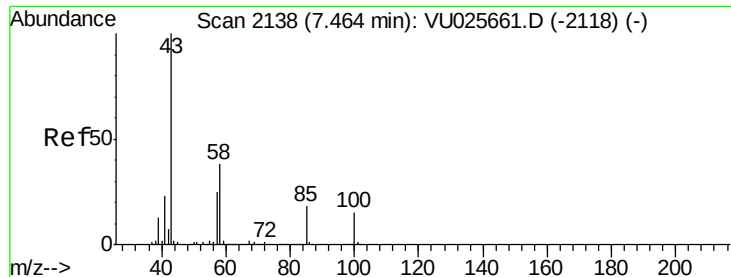
MMDadoda
7/31/2018 3:49:16 PM



#50
Toluene-d8
Concen: 50.31 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 104.27 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

Tot Ion: 43 Resp: 352689

Ion Ratio Lower Upper

43 100

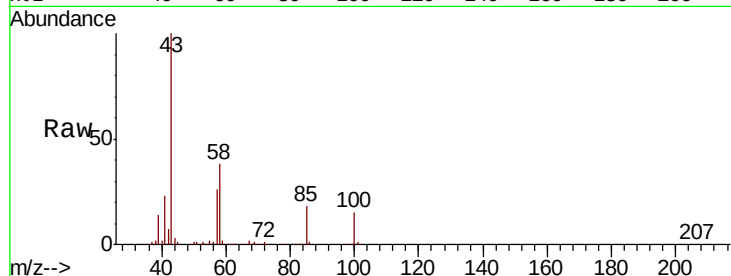
58 38.6 31.0 46.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

200000

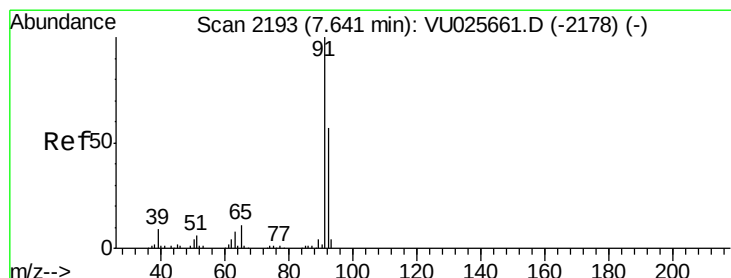
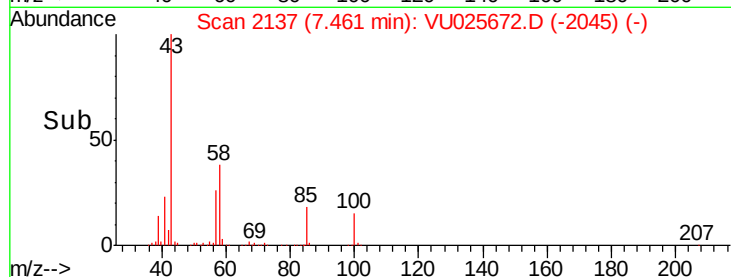
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.25 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025672.D

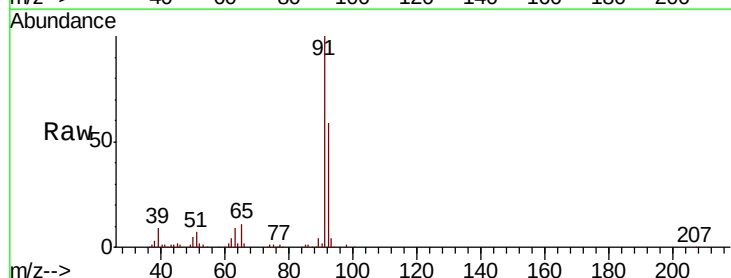
Acq: 27 Jul 2018 16:28

Tgt Ion: 92 Resp: 115927

Ion Ratio Lower Upper

92 100

91 172.3 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

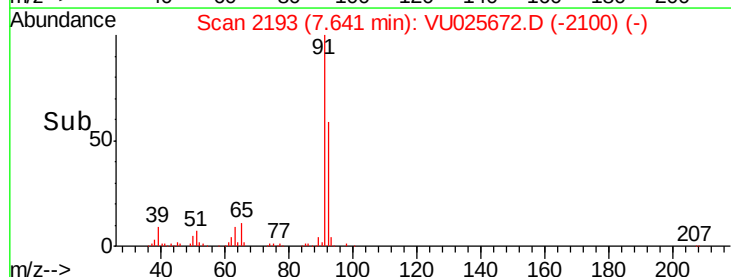
7.64

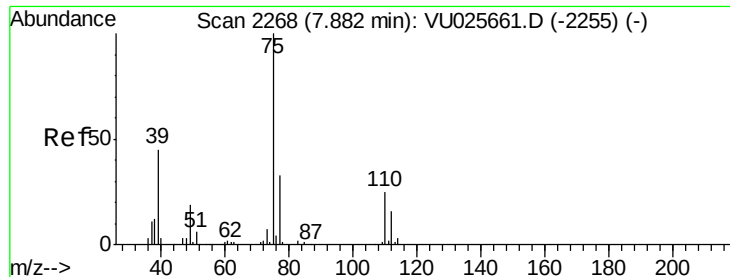
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.91 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

Tot Ion: 75 Resp: 74274

Ion Ratio Lower Upper

75 100

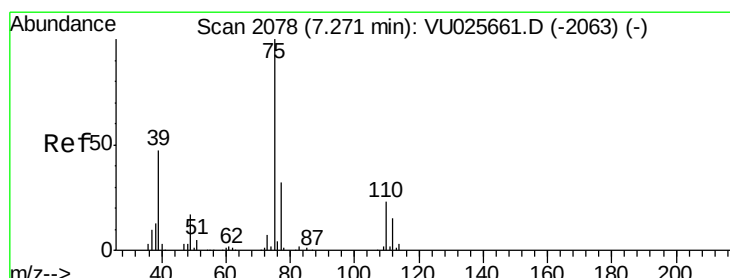
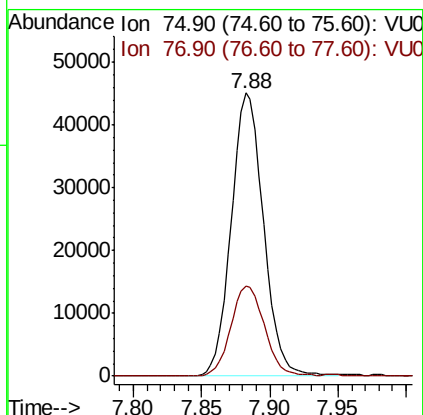
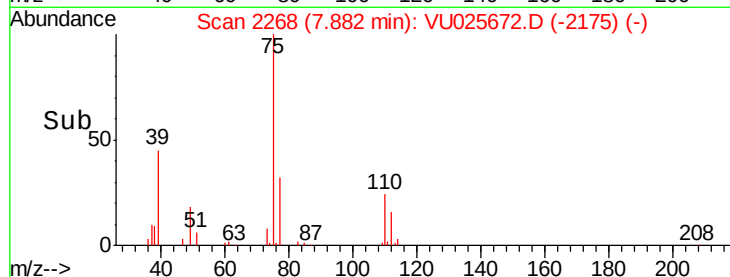
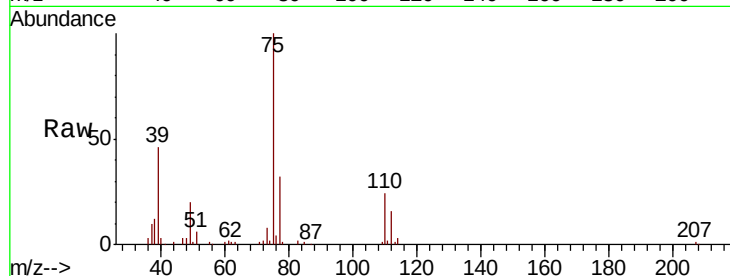
77 32.0 24.5 36.7

Manual Integrations

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7/31/2018 3:49:16 PM



#54

cis-1,3-Dichloropropene

Concen: 19.94 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

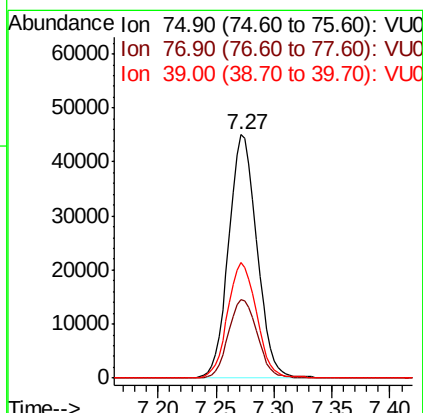
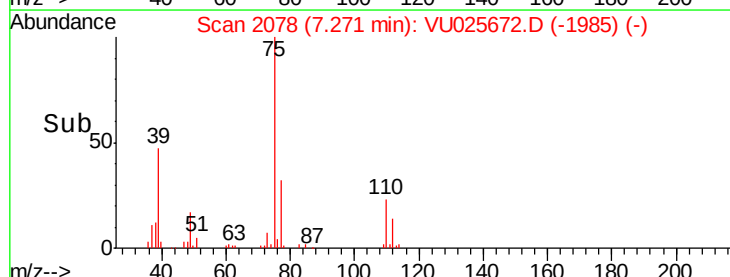
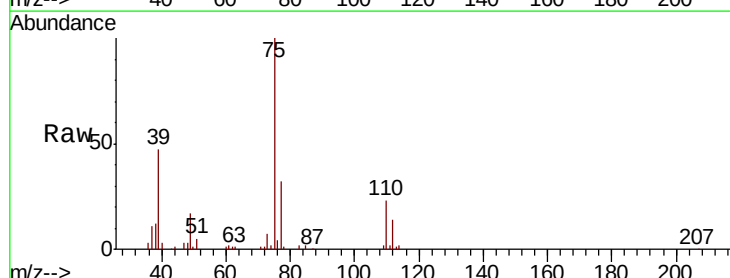
Tgt Ion: 75 Resp: 76393

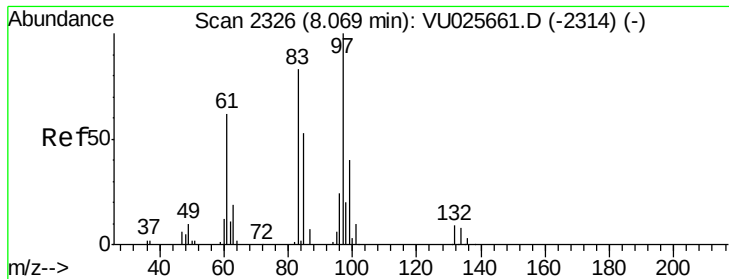
Ion Ratio Lower Upper

75 100

77 32.4 25.6 38.4

39 47.2 40.0 60.0





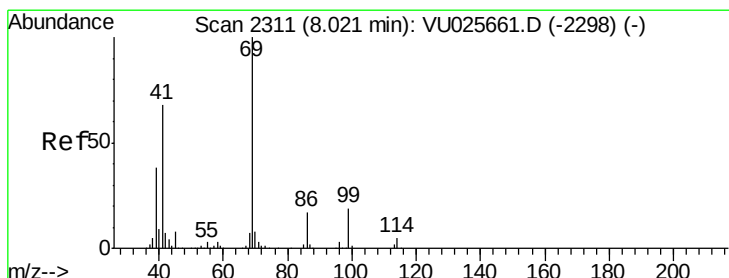
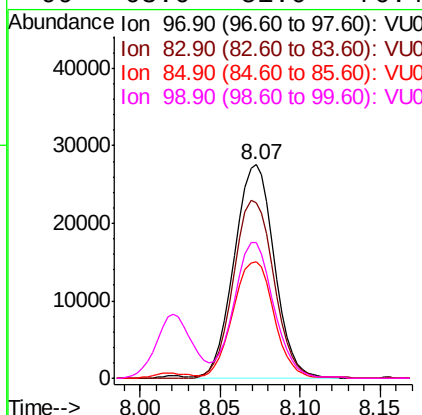
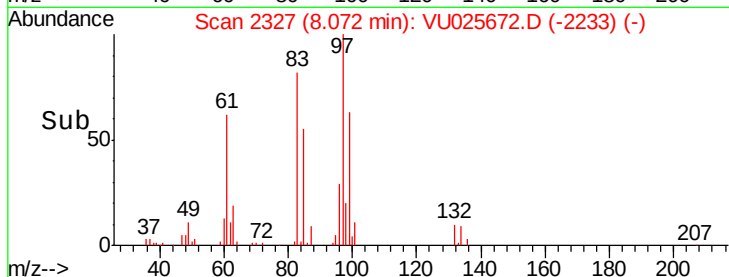
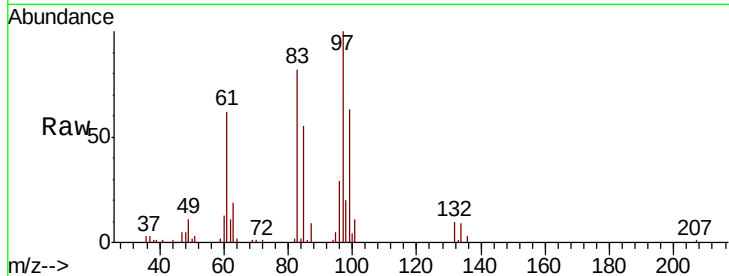
#55
 1,1,2-Trichloroethane
 Concen: 19.86 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		47260		
83	82.3	68.9	103.3		
85	54.2	44.4	66.6		
99	63.0	51.0	76.4		

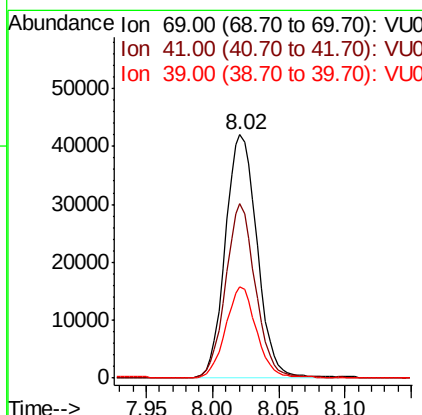
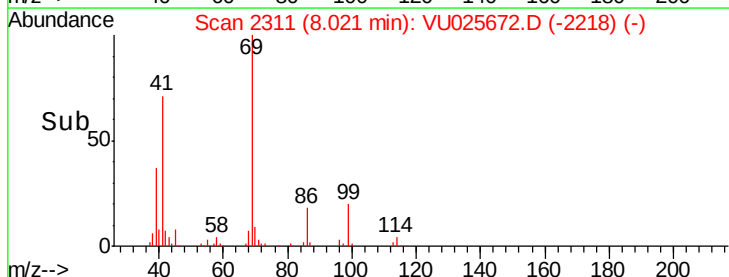
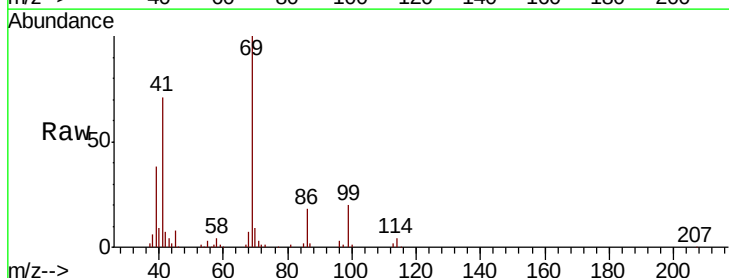
Manual Integrations
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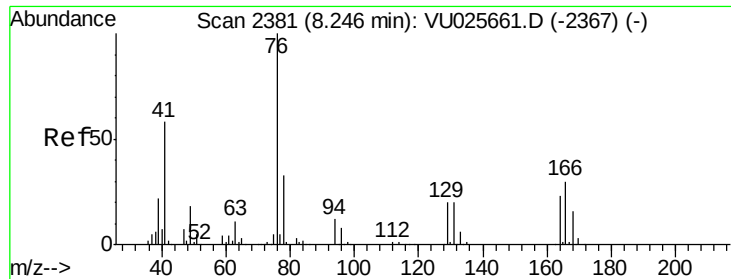
MMDadoda
 7/31/2018 3:49:16 PM



#56
 Ethyl methacrylate
 Concen: 20.64 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		70184		
41	67.5	54.8	82.2		
39	36.8	31.1	46.7		





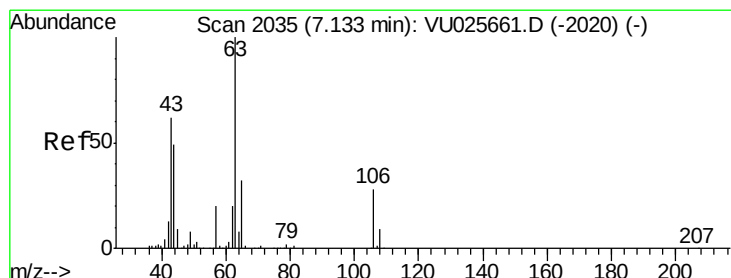
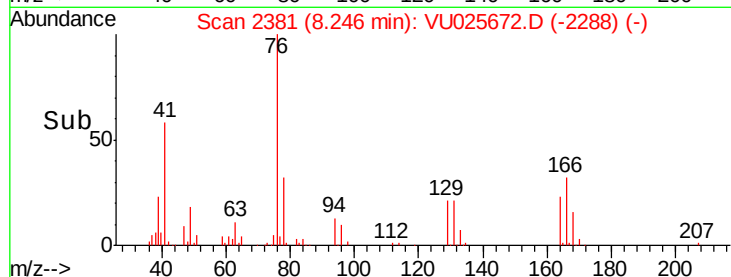
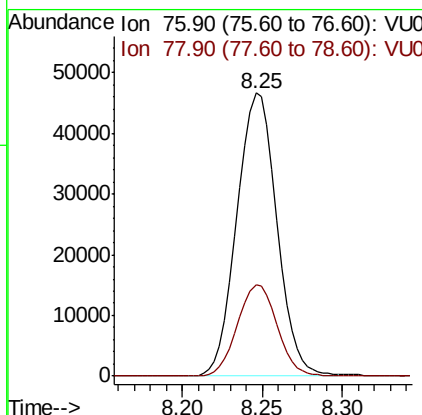
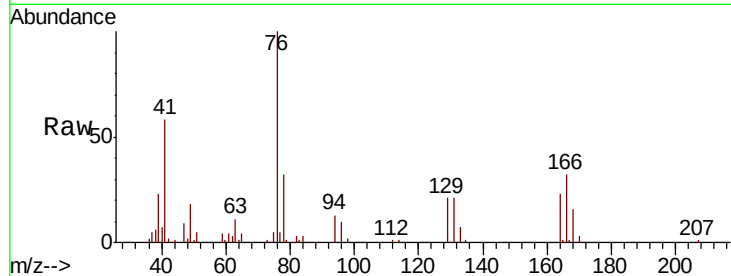
#57
 1,3-Dichloropropane
 Concen: 19.89 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

Tot Ion: 76 Resp: 79600
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1

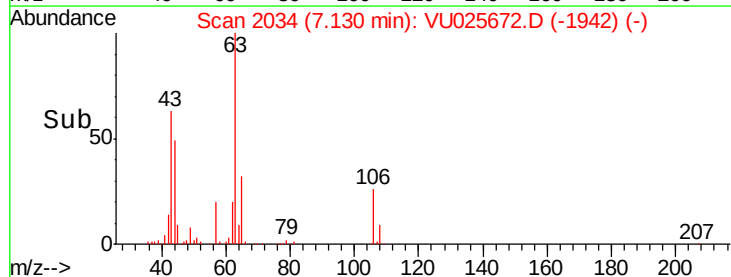
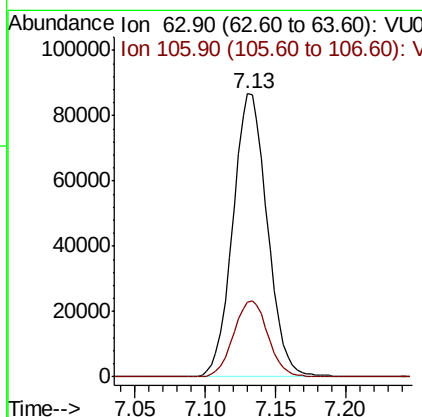
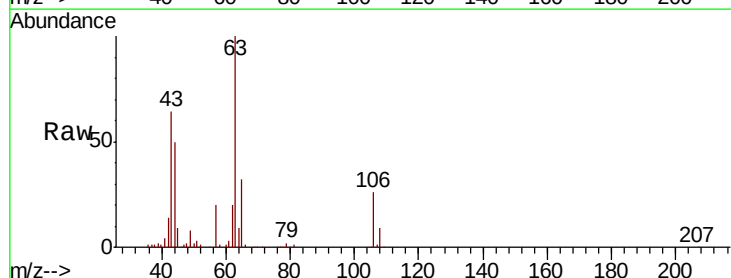
Manual Integrations
 APPROVED

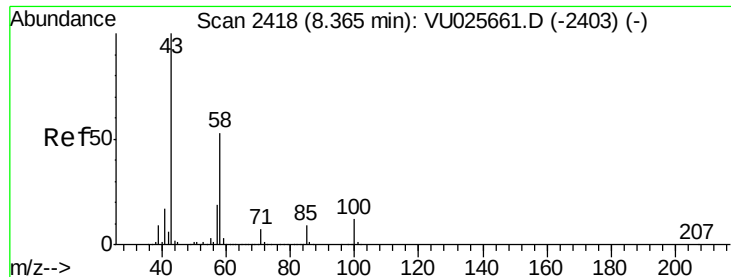
MMDadoda
 7/31/2018 3:49:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.71 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion: 63 Resp: 148370
 Ion Ratio Lower Upper
 63 100
 106 26.8 22.3 33.5





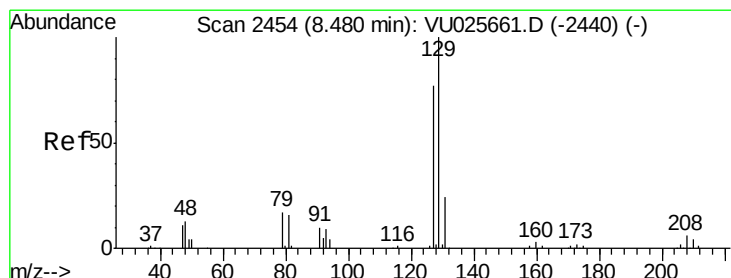
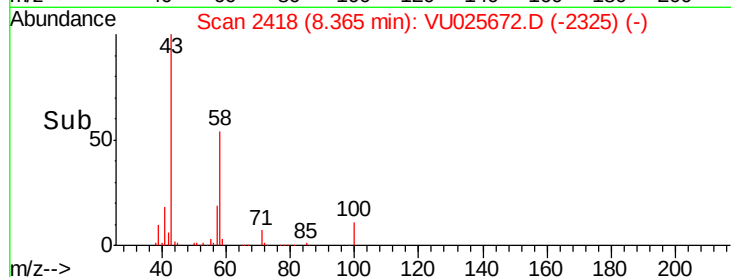
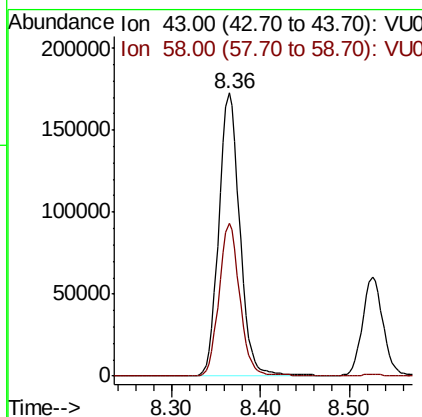
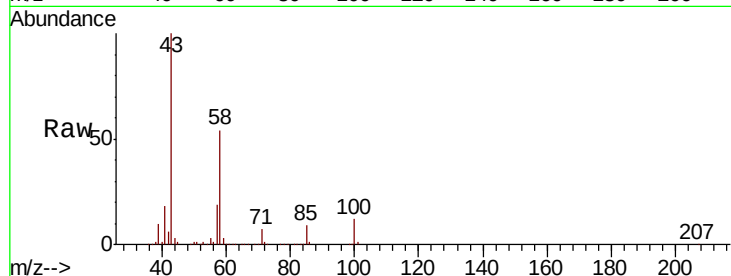
#59
2-Hexanone
Concen: 106.57 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion	43	Resp	282579
Ion Ratio	43	100	
Lower	58	53.1	26.2
Upper			78.5

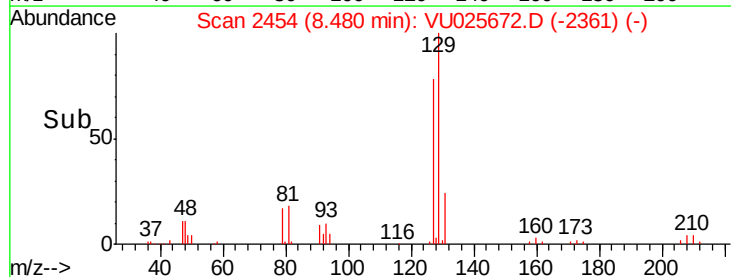
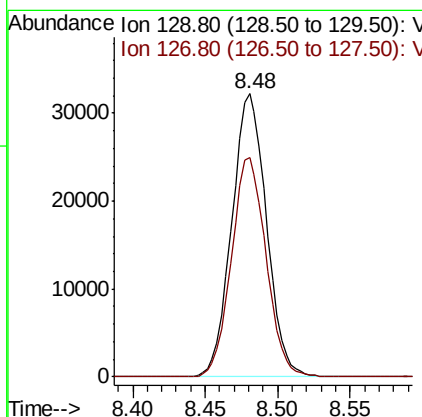
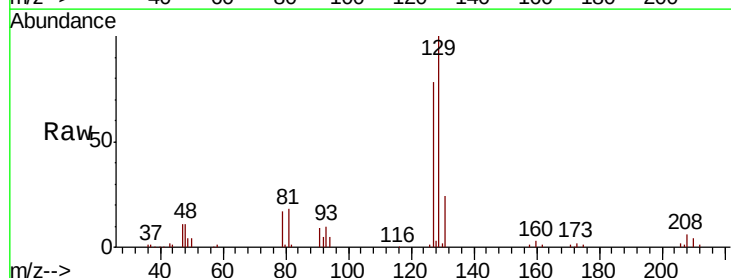
Manual Integrations
APPROVED

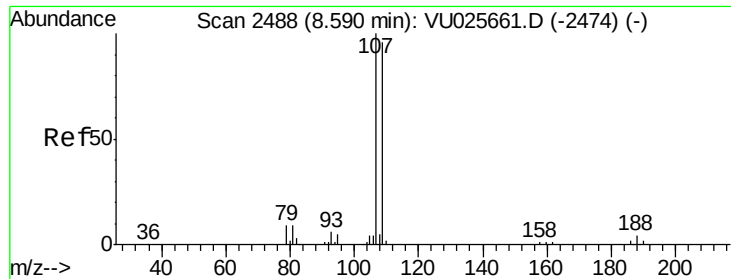
MMDadoda
7/31/2018 3:49:16 PM



#60
Dibromochloromethane
Concen: 19.05 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion	129	Resp	53452
Ion Ratio	129	100	
Lower	127	77.4	38.6
Upper			115.8





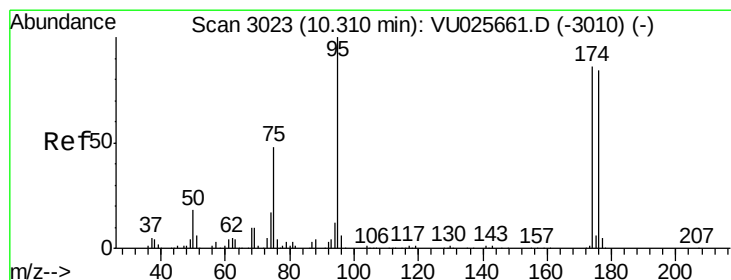
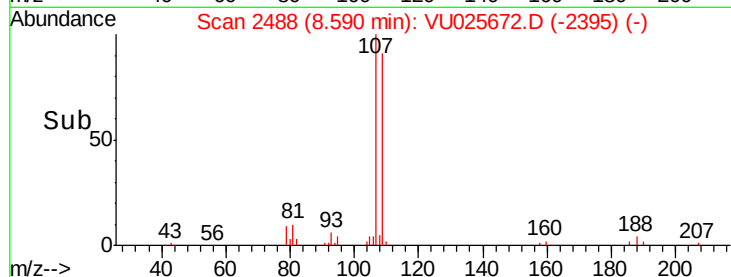
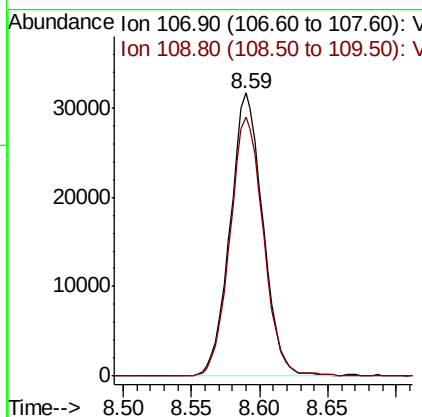
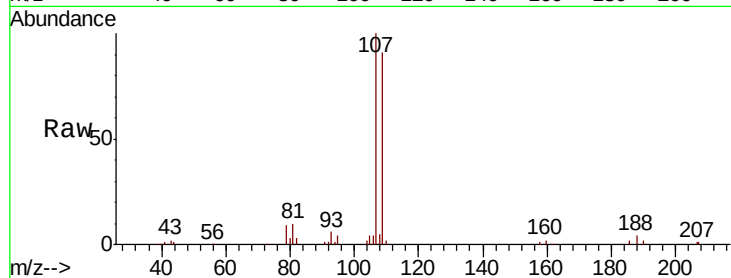
#61
 1,2-Dibromoethane
 Concen: 19.92 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.8	113.8

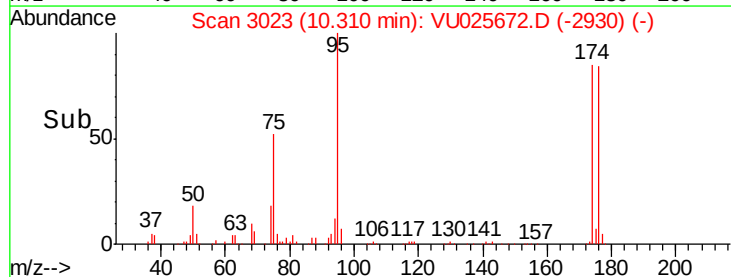
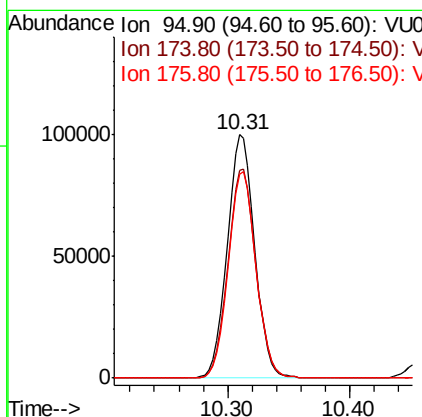
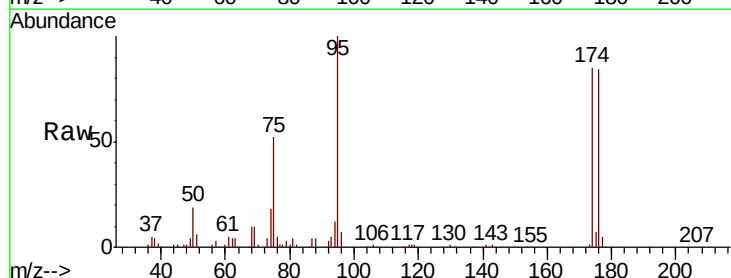
Manual Integrations
 APPROVED

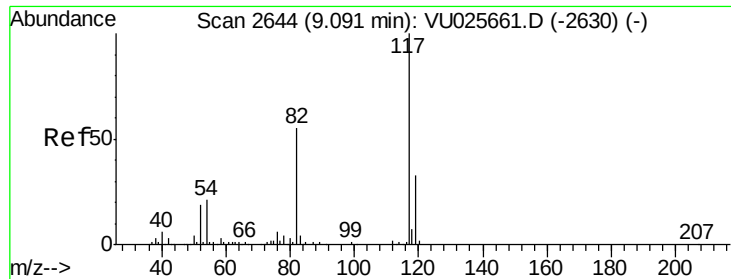
MMDadoda
 7/31/2018 3:49:16 PM



#62
 4-Bromofluorobenzene
 Concen: 49.42 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.2	0.0	172.2
176	85.6	0.0	162.6





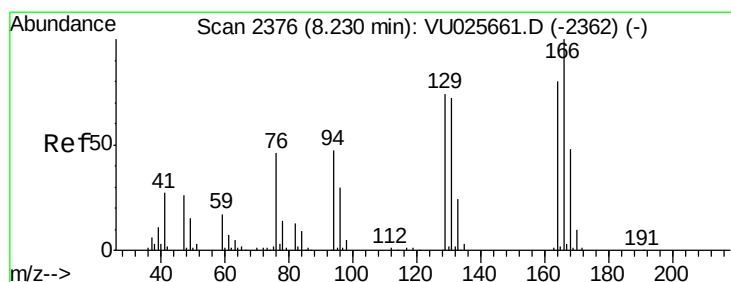
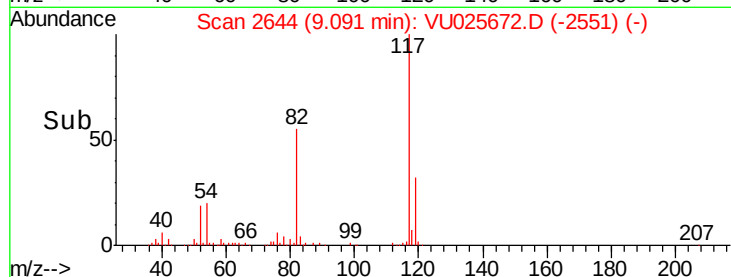
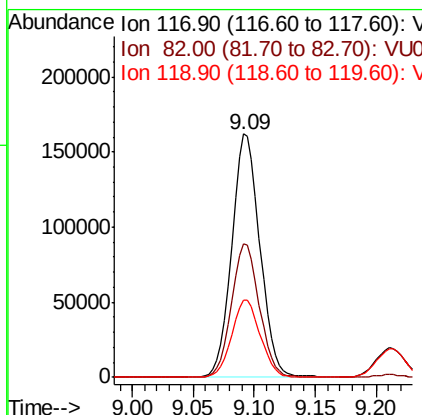
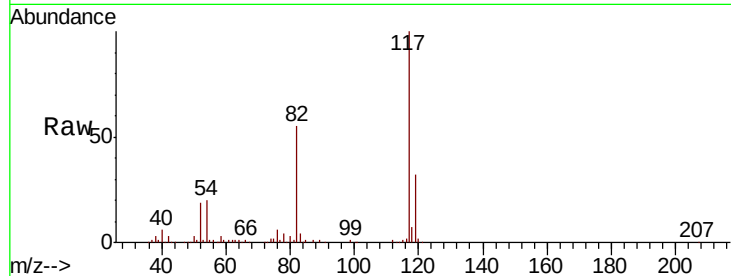
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	259832		
82	54.8	46.0	69.0	
119	31.9	26.0	39.0	

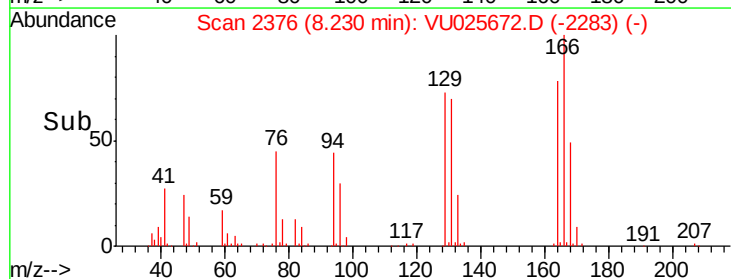
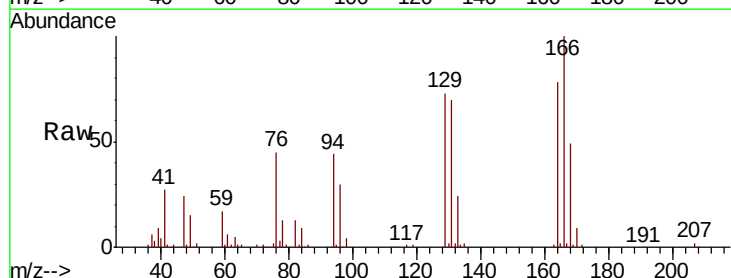
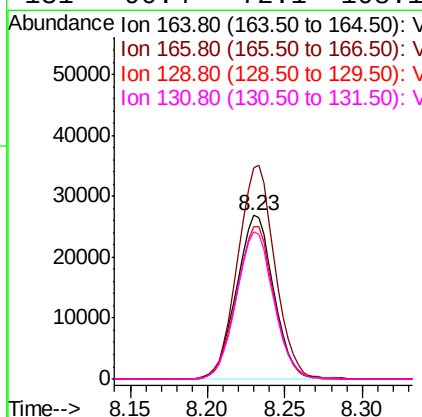
Manual Integrations
APPROVED

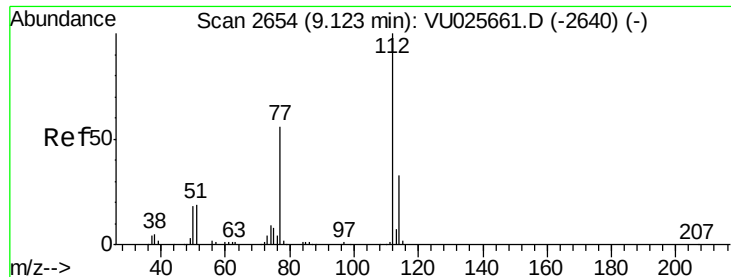
MMDadoda
7/31/2018 3:49:16 PM



#64
Tetrachloroethene
Concen: 19.60 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44833		
166	129.0	101.1	151.7	
129	93.5	73.0	109.6	
131	90.4	72.1	108.1	





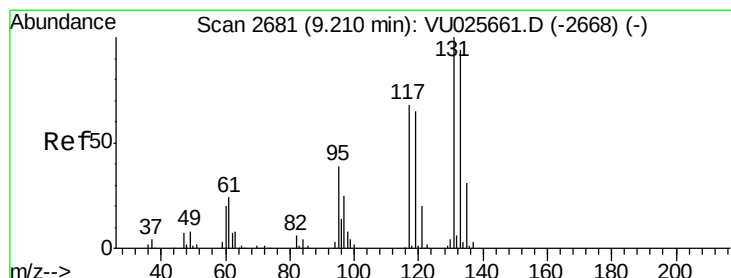
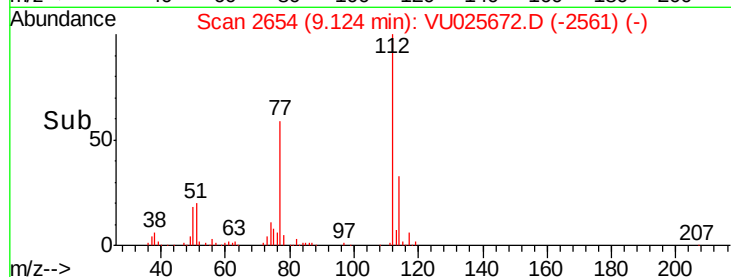
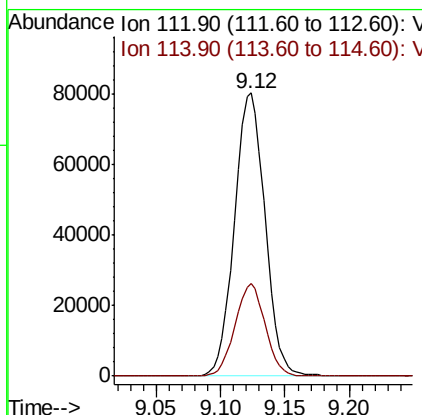
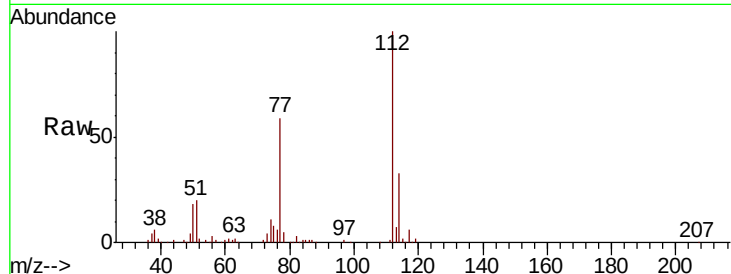
#65
Chlorobenzene
Concen: 19.79 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	132567		
114	32.9	25.8	38.8	

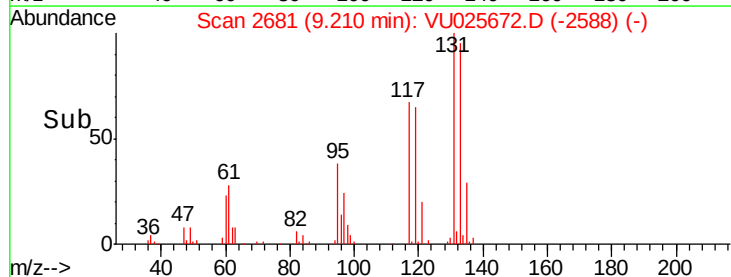
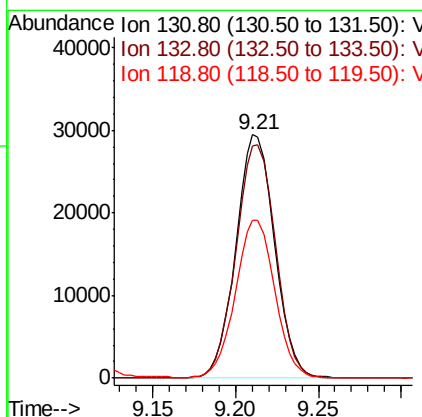
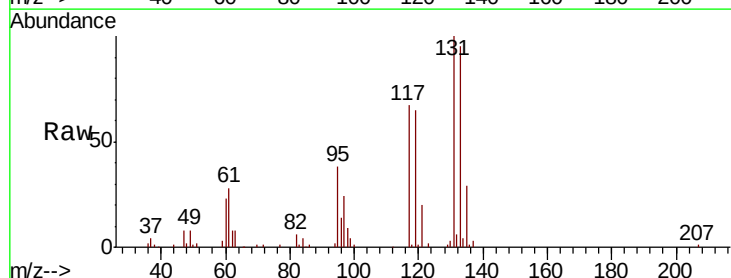
Manual Integrations
APPROVED

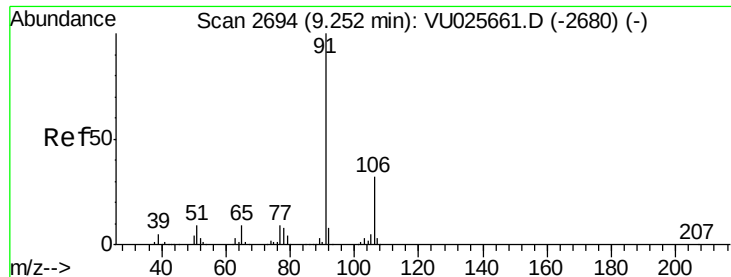
MMDadoda
7/31/2018 3:49:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.79 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	47963		
133	98.2	47.8	143.3	
119	66.0	31.6	95.0	





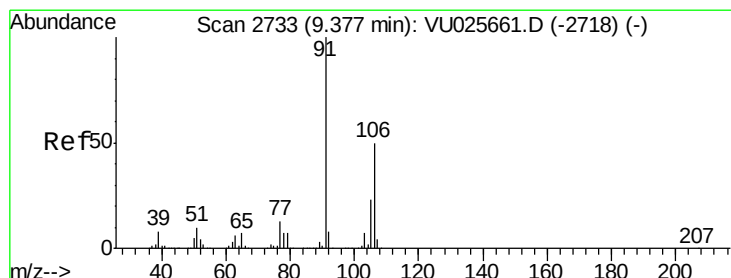
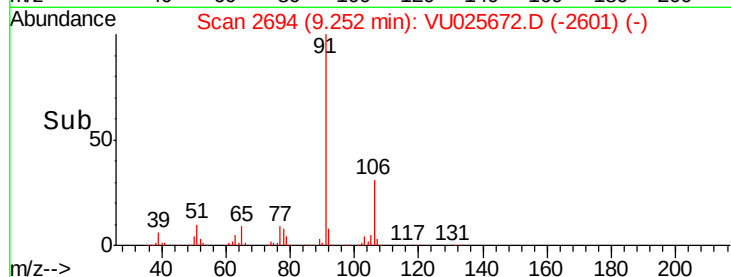
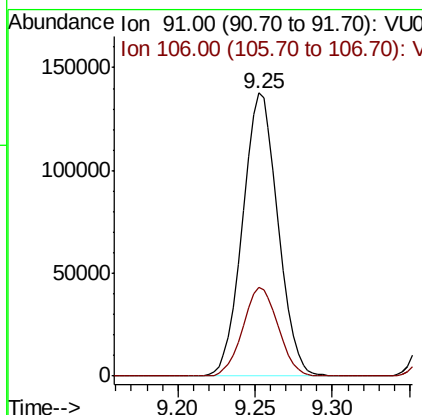
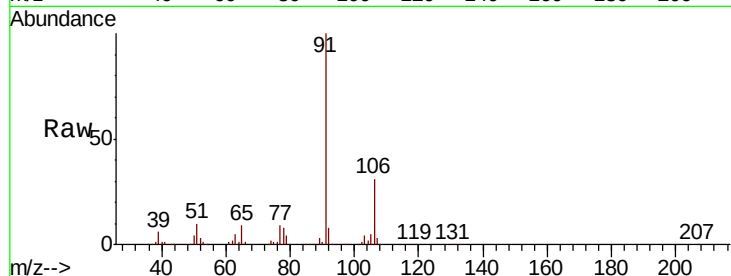
#67
Ethyl Benzene
Concen: 19.74 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.3	37.9

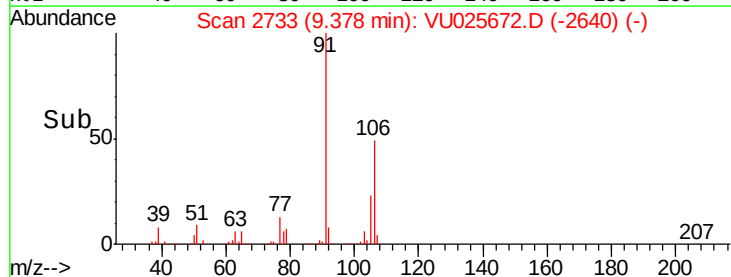
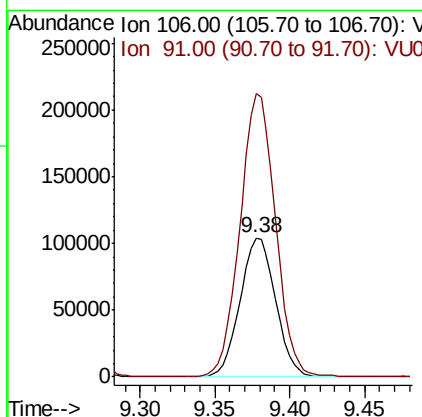
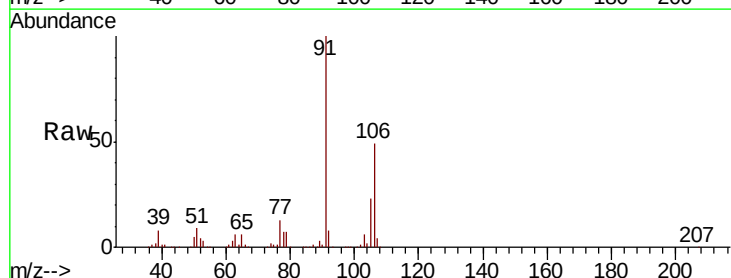
Manual Integrations
APPROVED

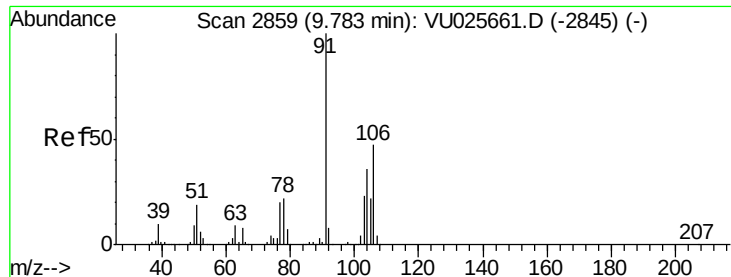
MMDadoda
7/31/2018 3:49:16 PM



#68
m/p-Xylenes
Concen: 40.47 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.4	162.3	243.5





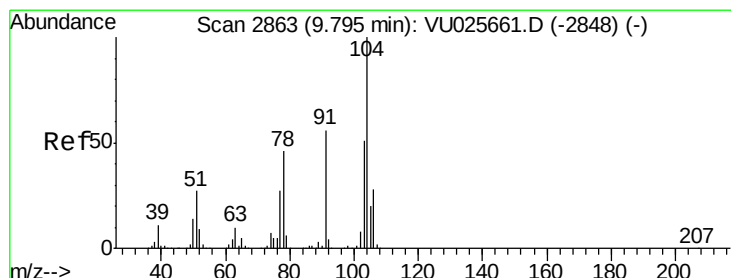
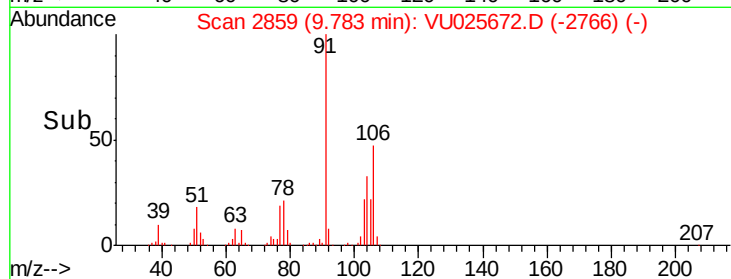
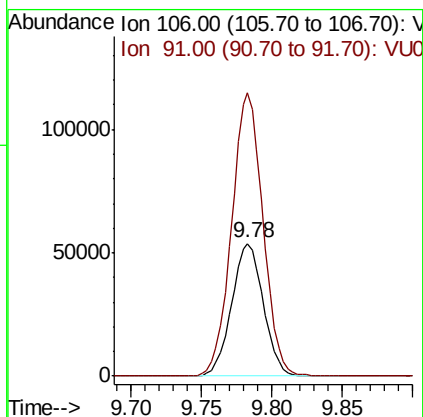
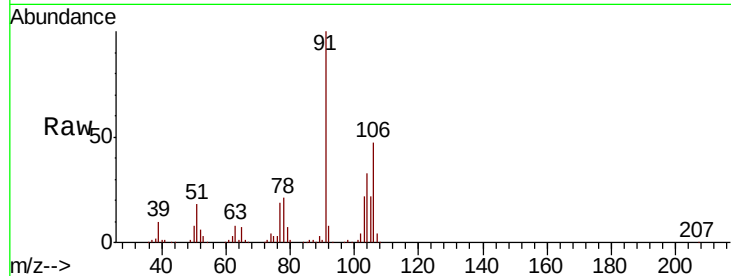
#69
o-Xylene
Concen: 20.27 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	210.9	105.3	315.8	

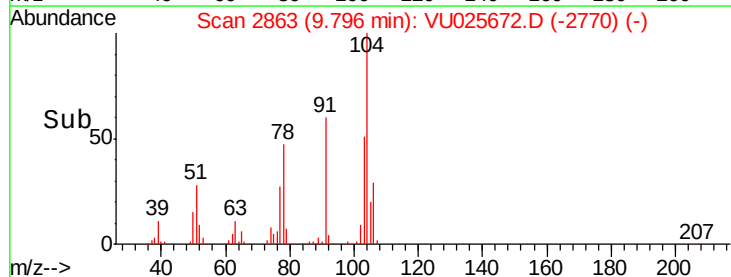
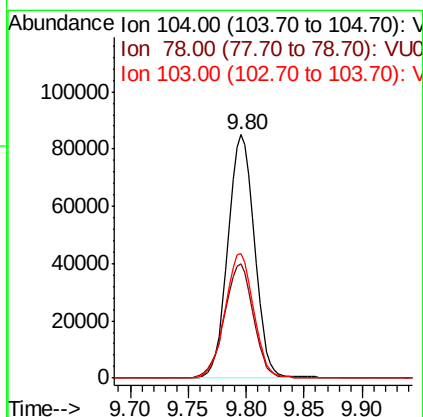
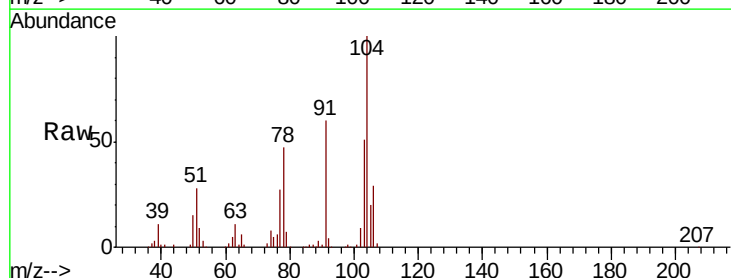
Manual Integrations
APPROVED

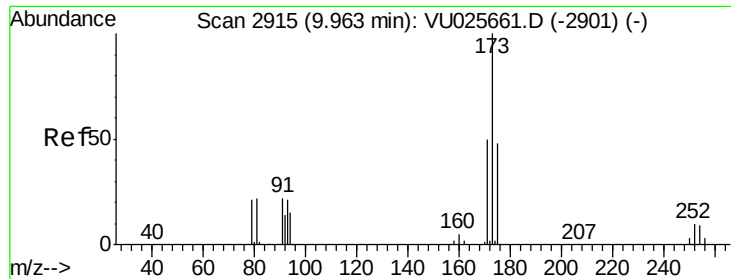
MMDadoda
7/31/2018 3:49:16 PM



#70
Styrene
Concen: 19.99 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	51.0	41.6	62.4	
103	55.0	44.6	66.8	





#71

Bromoform

Concen: 19.18 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

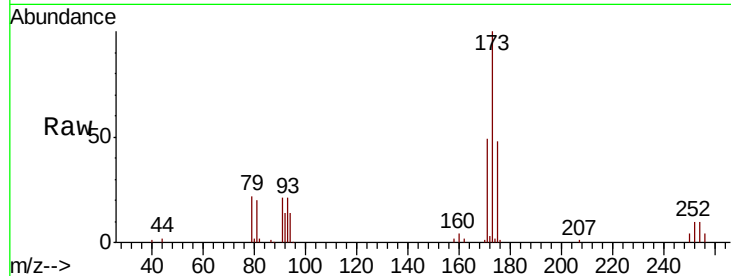
ClientSampleId :

VU0727WBS01

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	47.7	24.0	72.0	
254	0.0	0.0	0.0	

Manual Integrations
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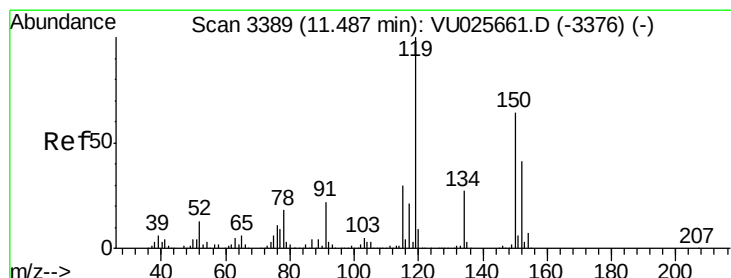
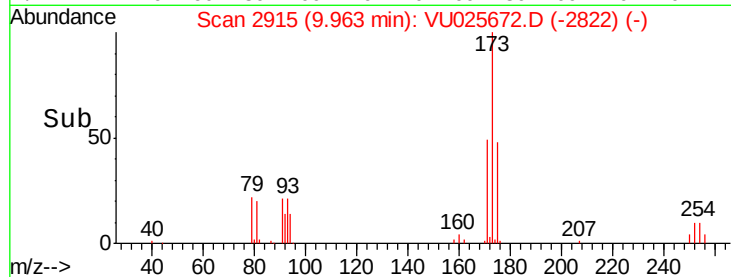
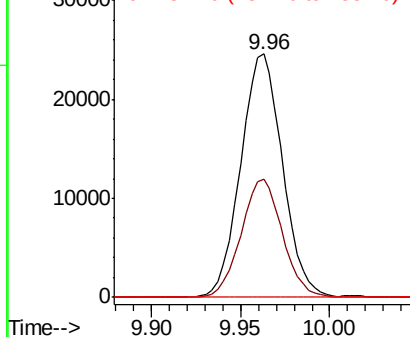


Abundance

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: 50.00 ug/l

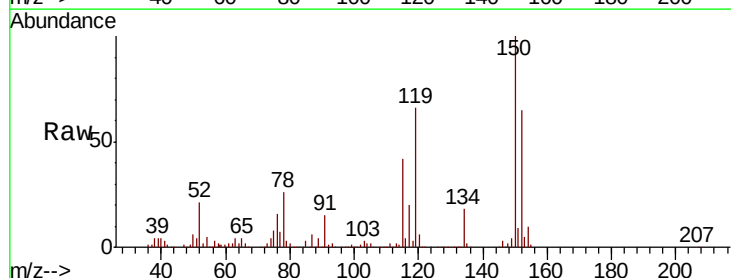
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	67.4	40.1	120.3	
150	163.2	0.0	351.4	

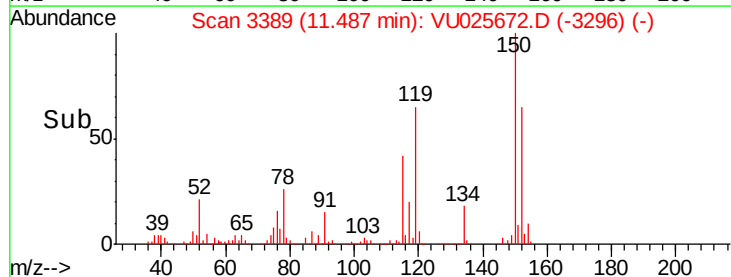
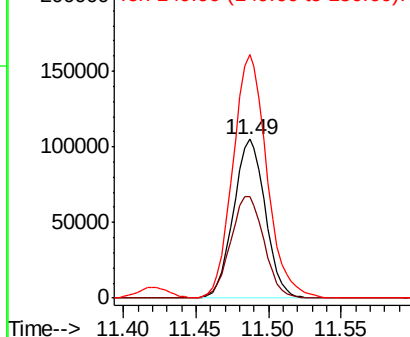


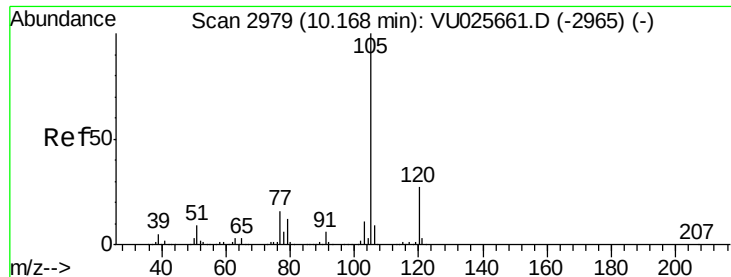
Abundance

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: 20.53 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

Tot Ion: 105 Resp: 224423

Ion Ratio Lower Upper

105 100

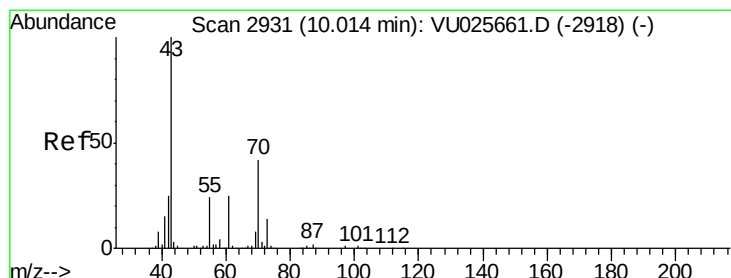
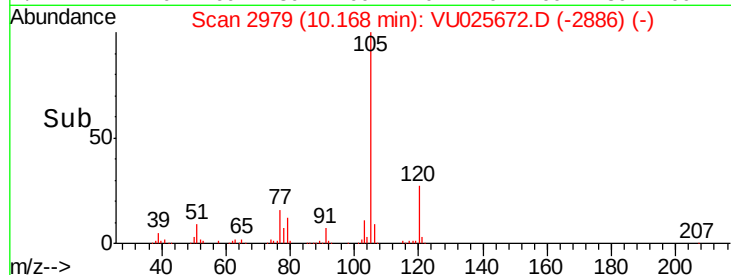
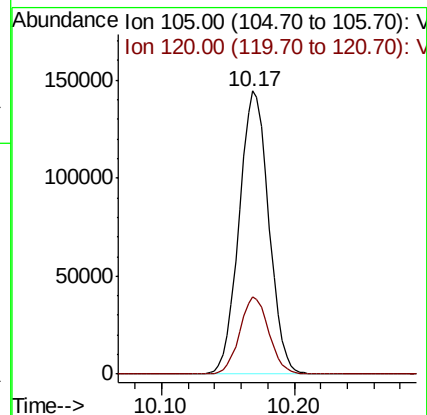
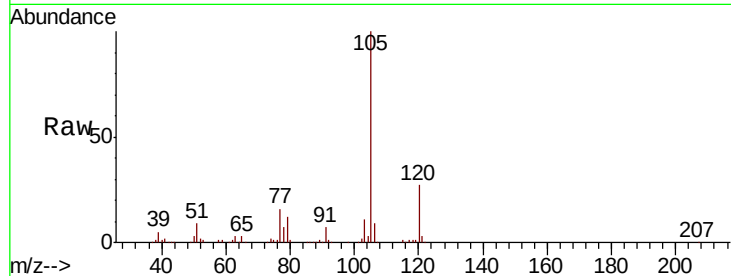
120 26.7 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.15 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Tgt Ion: 43 Resp: 94391

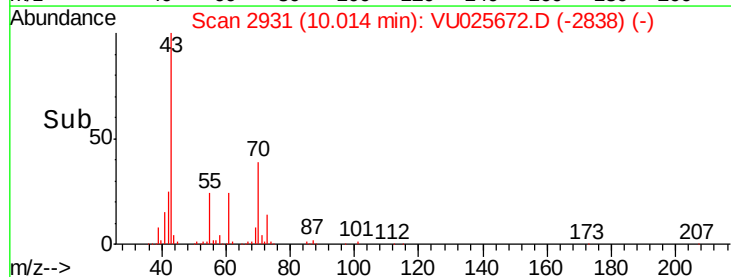
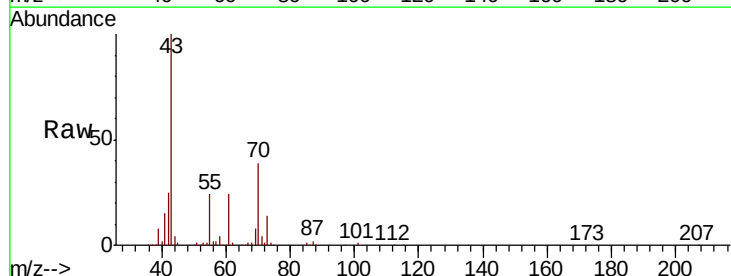
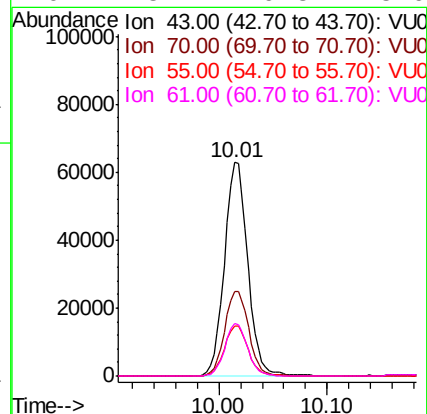
Ion Ratio Lower Upper

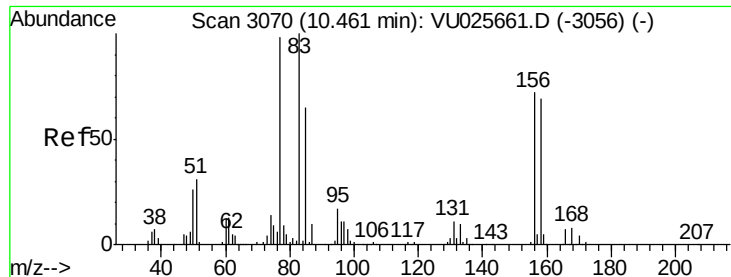
43 100

70 40.9 33.4 50.2

55 23.9 19.0 28.6

61 23.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.14 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

Tot Ion: 83 Resp: 76146

Ion Ratio Lower Upper

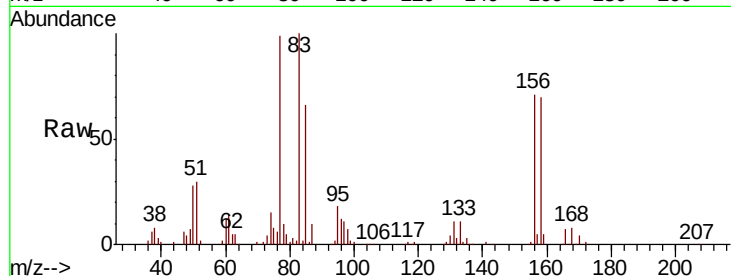
83 100

131 11.1 5.5 16.4

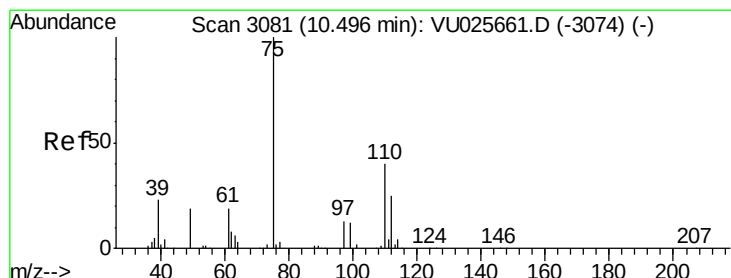
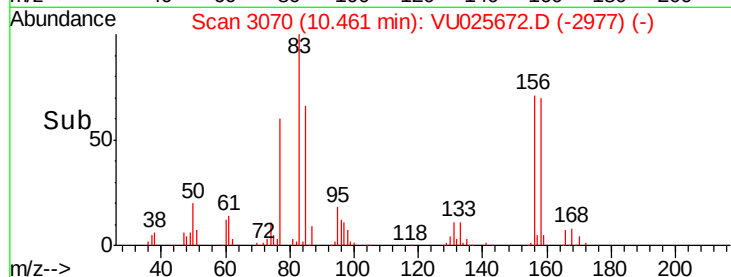
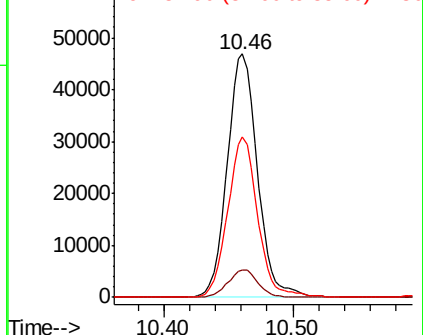
85 65.3 31.6 94.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 19.24 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025672.D

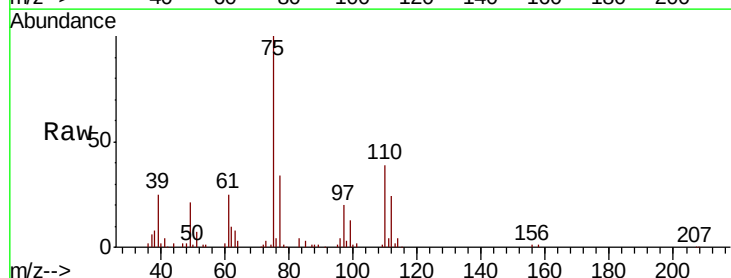
Acq: 27 Jul 2018 16:28

Tgt Ion: 75 Resp: 67907

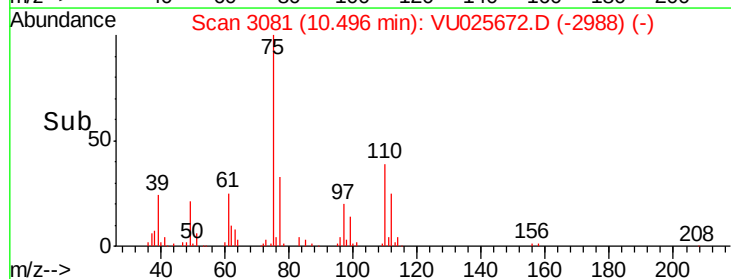
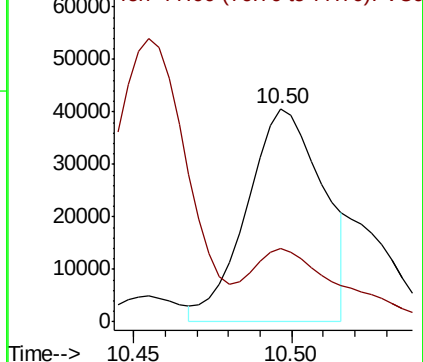
Ion Ratio Lower Upper

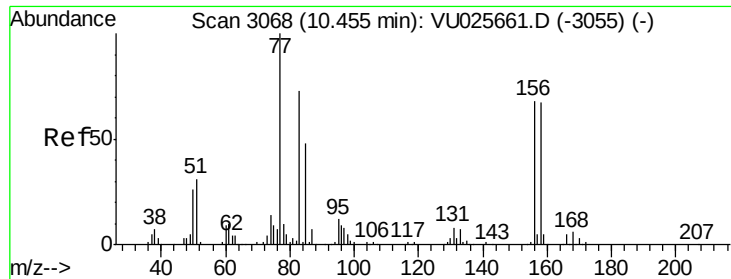
75 100

77 42.1 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.30 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

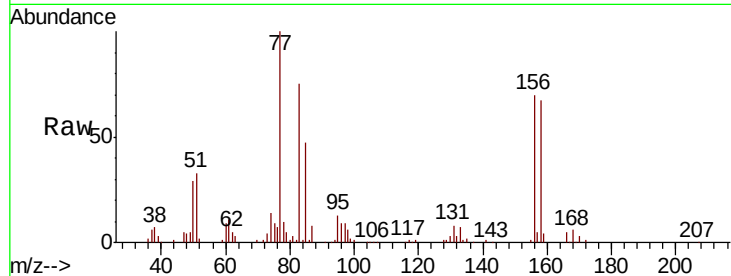
ClientSampleId :

VU0727WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.6	73.8	221.4
158	96.1	48.0	144.0

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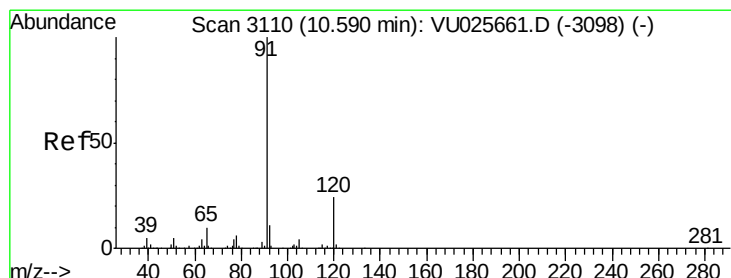
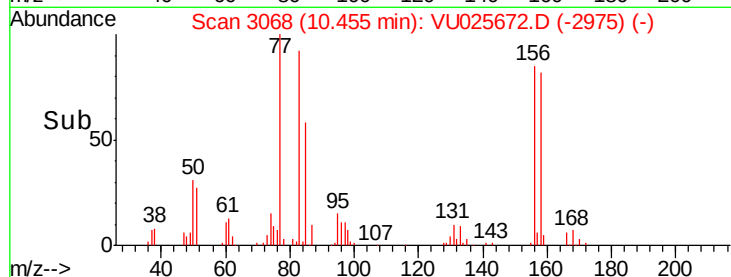
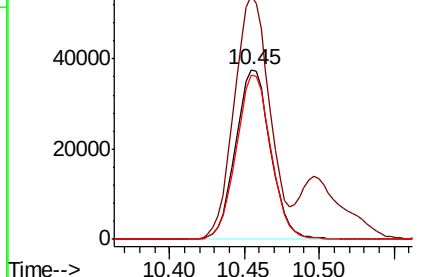
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.81 ug/l

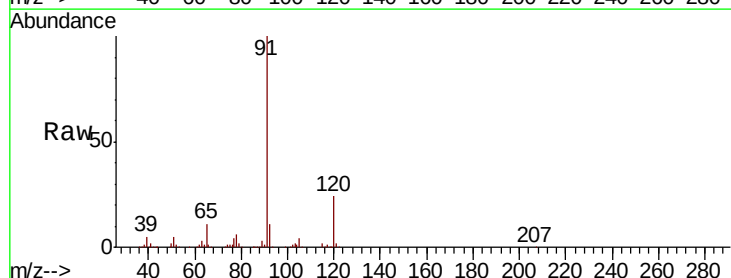
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025672.D

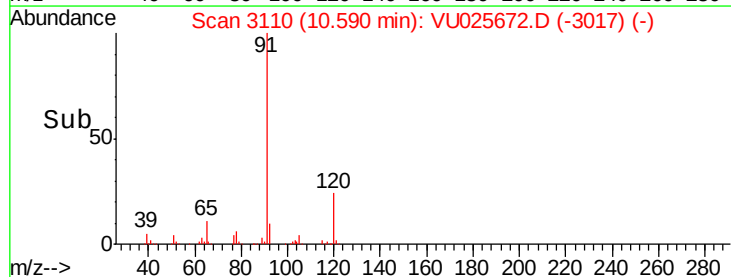
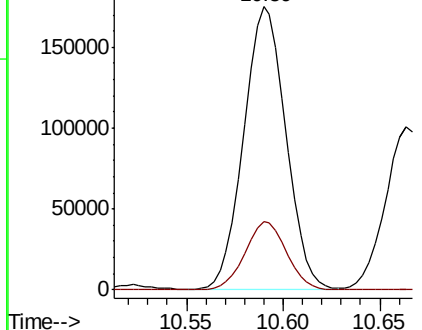
Acq: 27 Jul 2018 16:28

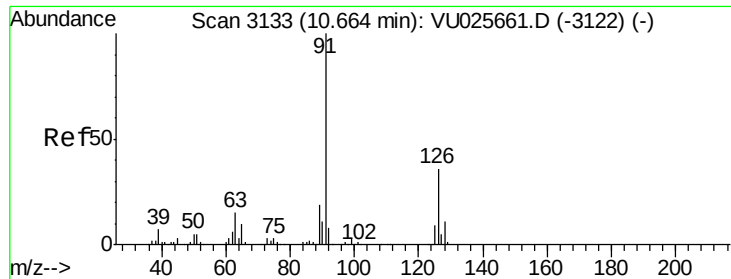
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.81 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

Tot Ion: 91 Resp: 155539

Ion Ratio Lower Upper

91 100

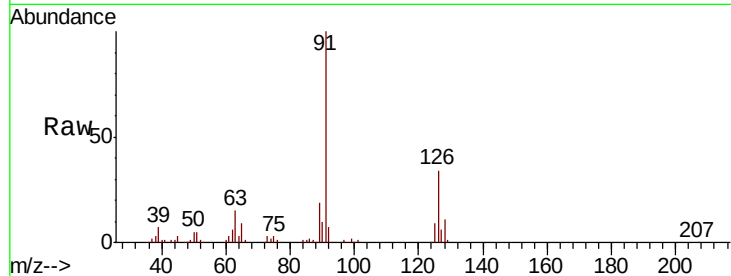
126 35.1 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025661.D (-3122) (-)

200000

150000

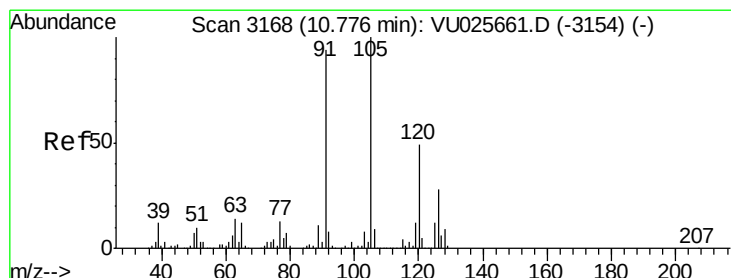
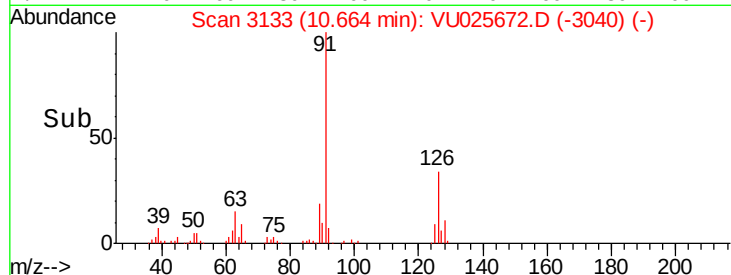
100000

50000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.91 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025672.D

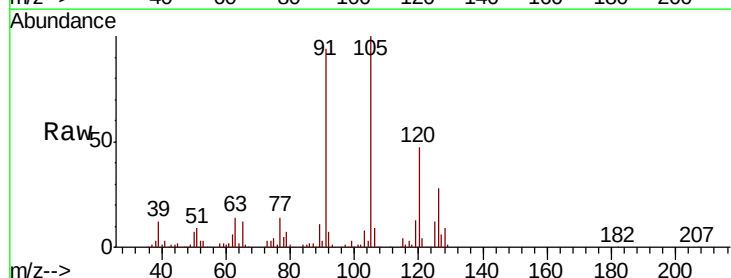
Acq: 27 Jul 2018 16:28

Tgt Ion:105 Resp: 194176

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025661.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025661.D (-3154) (-)

150000

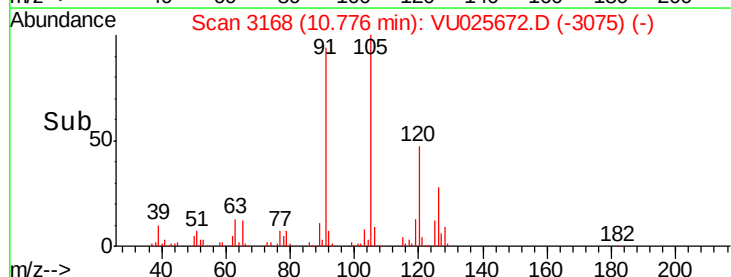
100000

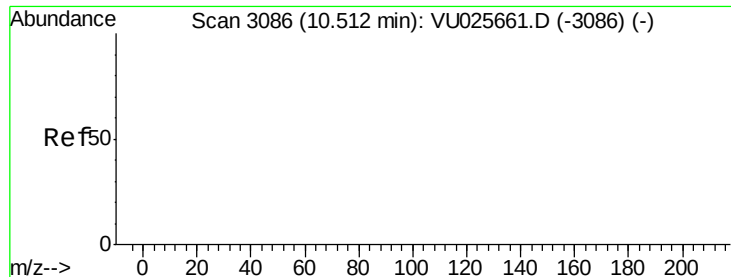
50000

0

10.70 10.80

Time-->





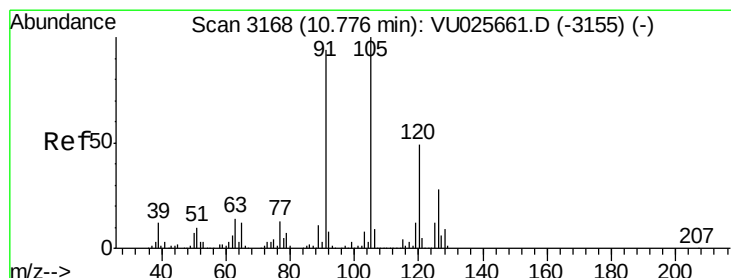
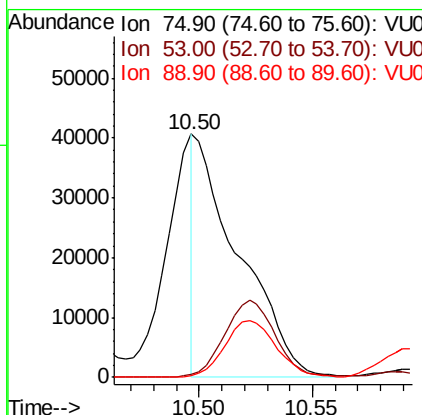
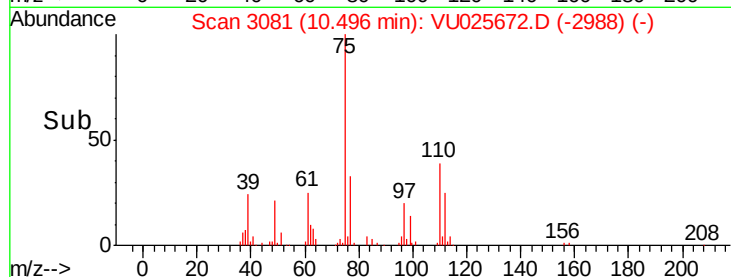
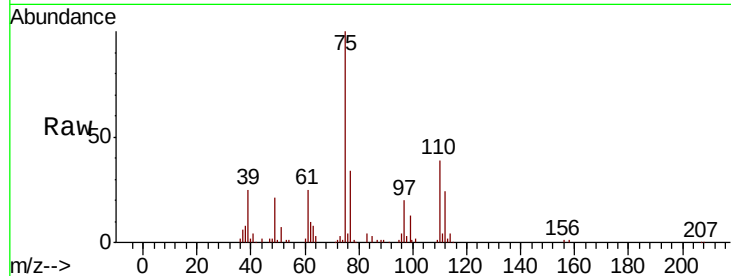
#81
trans-1,4-Dichloro-2-butene
Concen: 38.31 ug/l m
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion: 75 Resp: 53914
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

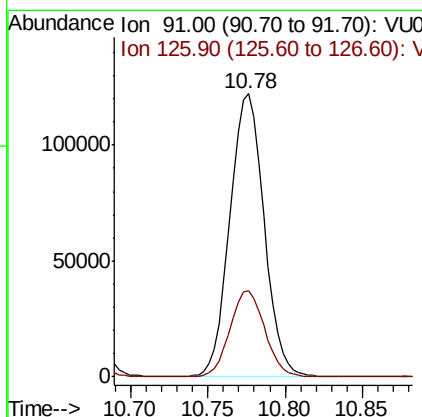
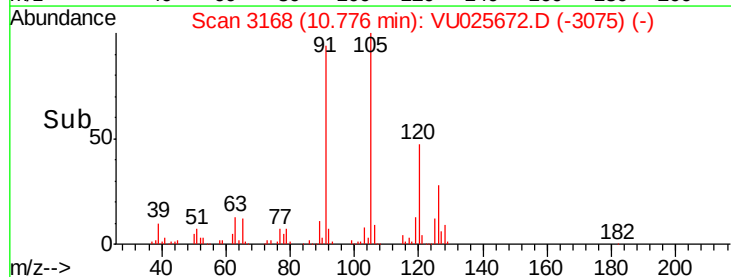
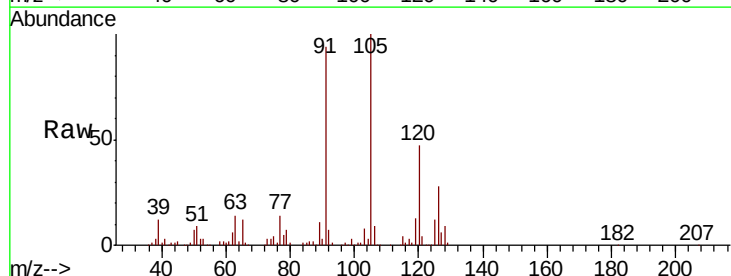
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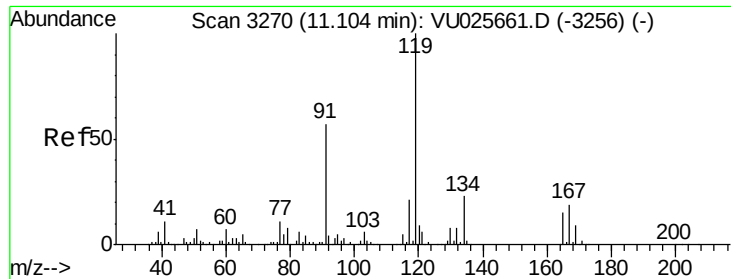
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#82
4-Chlorotoluene
Concen: 21.17 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion: 91 Resp: 186458
Ion Ratio Lower Upper
91 100
126 31.1 15.3 45.9





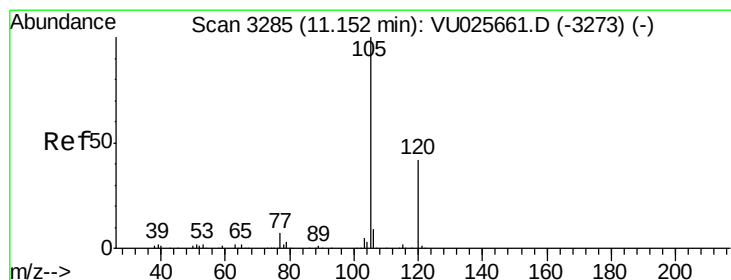
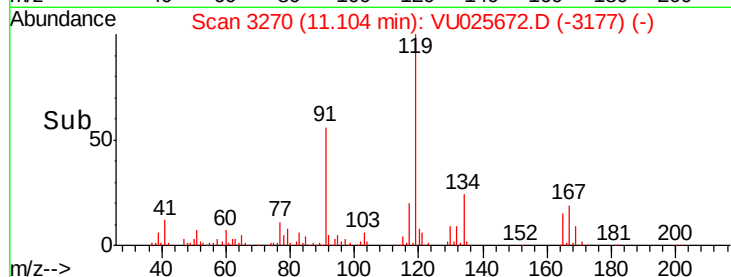
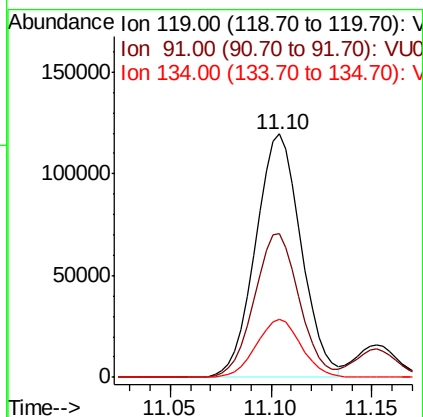
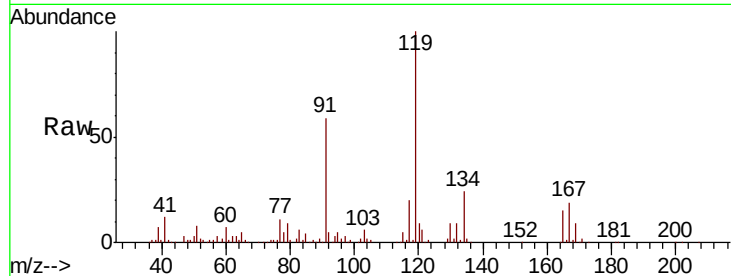
#83
 tert-Butylbenzene
 Concen: 20.43 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	188494		
91	58.4	29.7	89.1	
134	23.4	11.5	34.5	

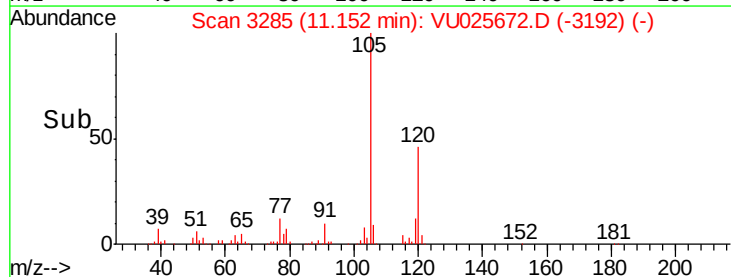
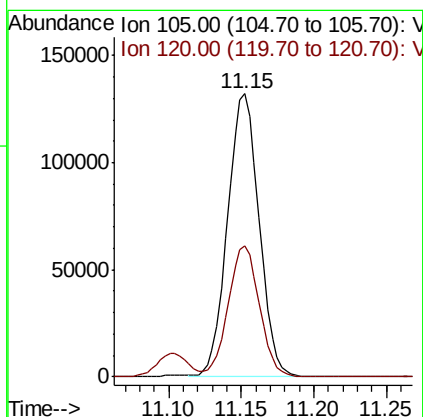
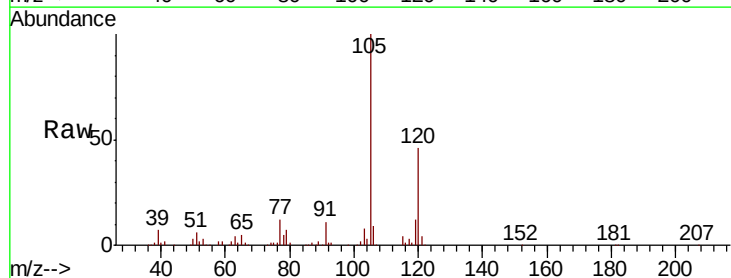
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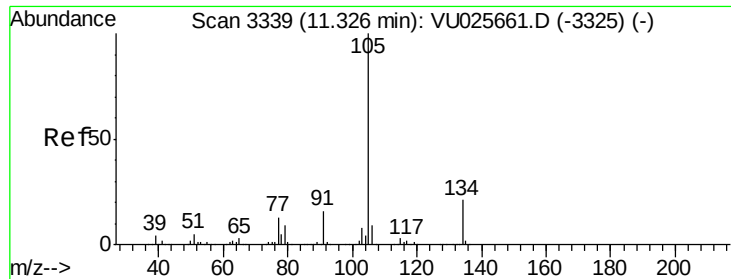
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.09 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	198457		
120	45.7	22.3	66.8	





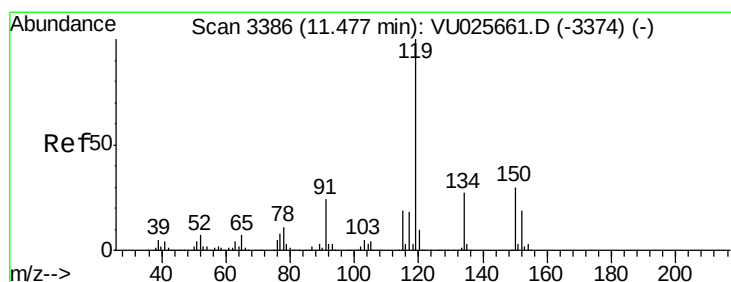
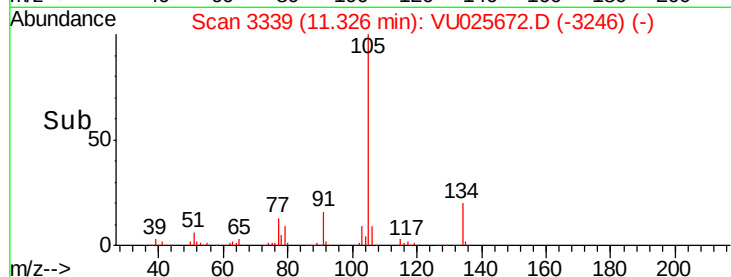
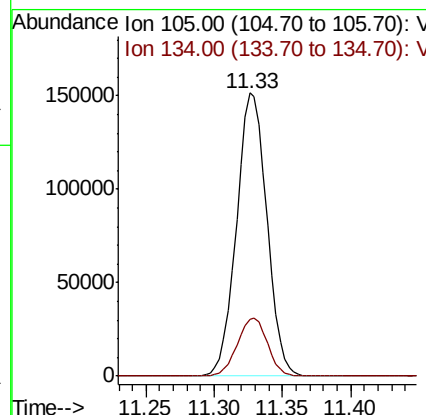
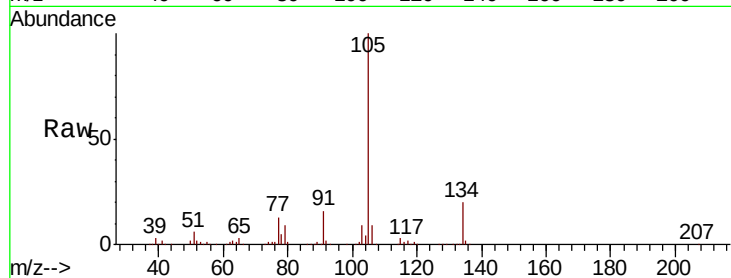
#85
 sec-Butylbenzene
 Concen: 20.76 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.3	30.8

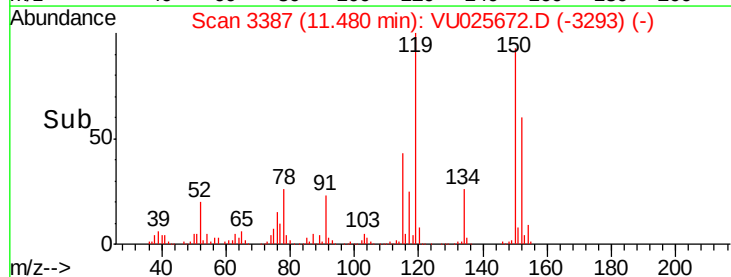
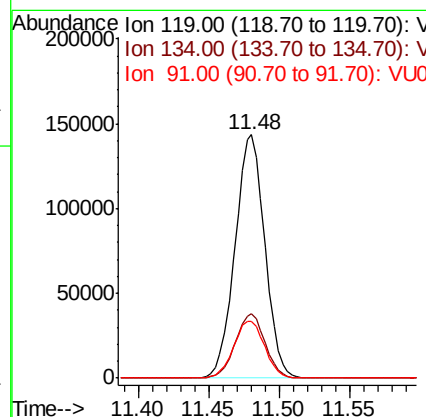
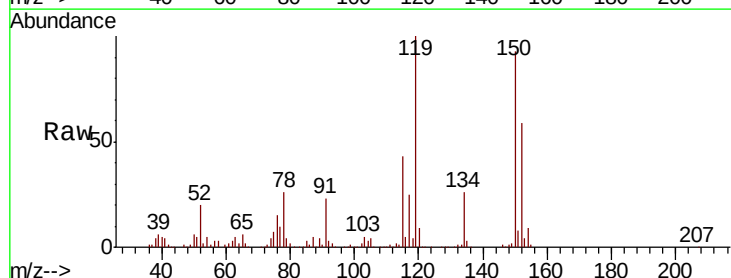
Manual Integrations
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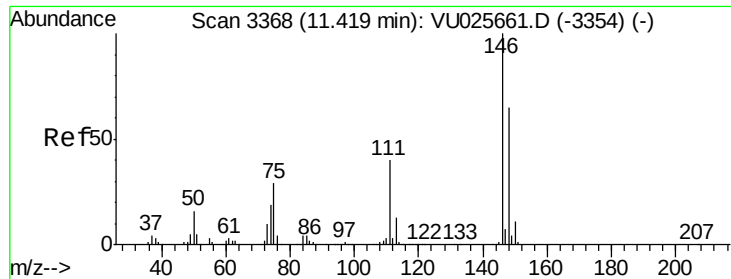
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#86
 p-Isopropyltoluene
 Concen: 20.98 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.5
91	24.5	12.0	36.1





#87

1,3-Dichlorobenzene

Concen: 20.15 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

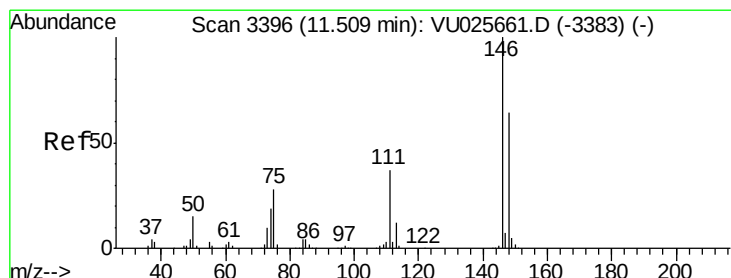
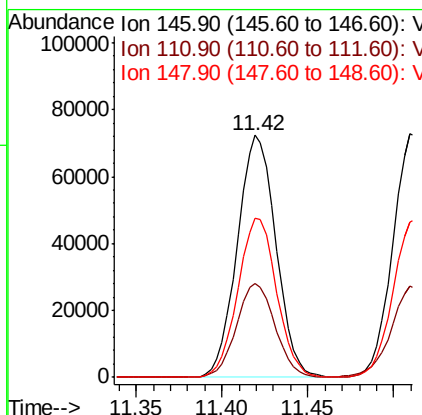
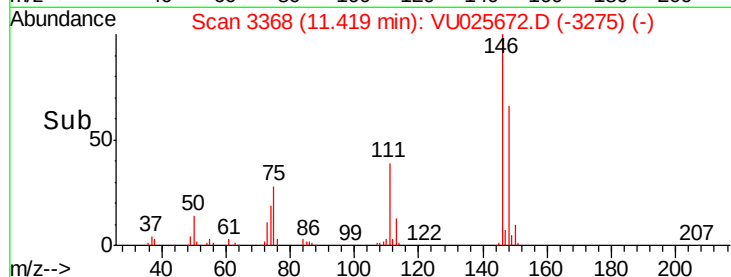
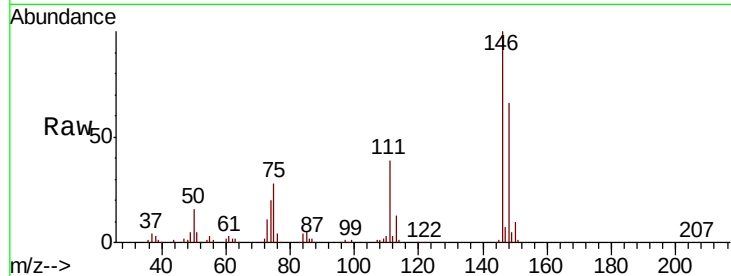
ClientSampleId :

VU0727WBS01

Tot Ion:	146	Resp:	112782
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.7	59.1
148	66.1	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.74 ug/l

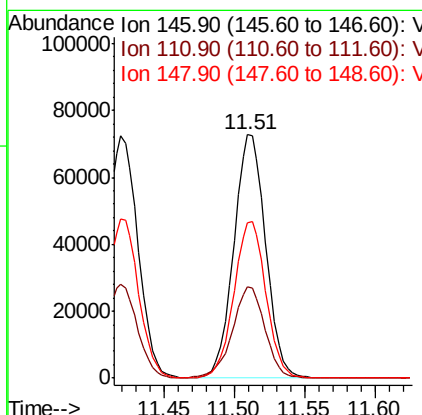
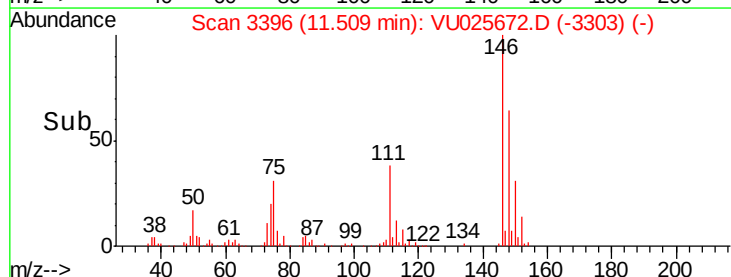
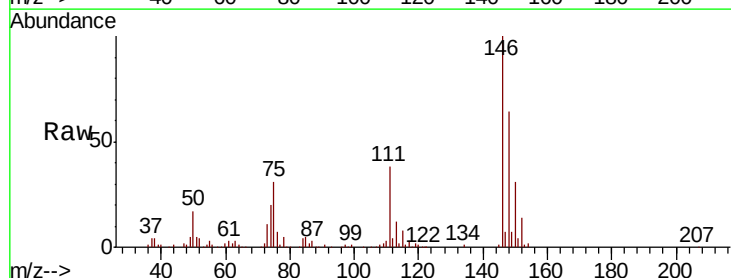
RT: 11.51 min Scan# 3396

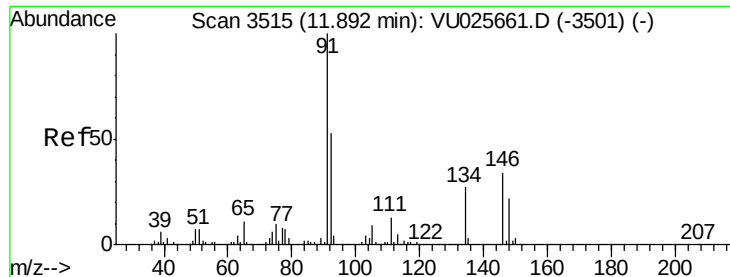
Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Tgt Ion:	146	Resp:	115184
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.4	58.1
148	64.7	31.7	95.1





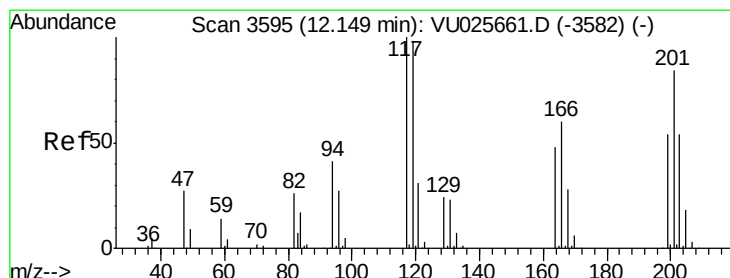
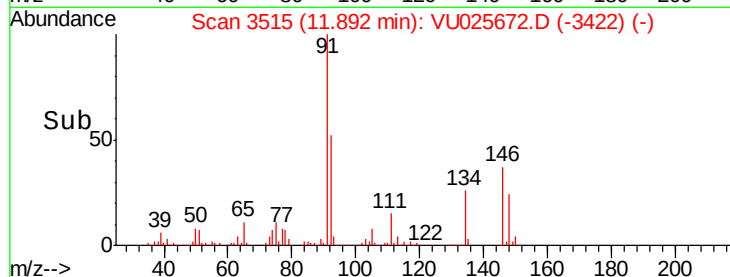
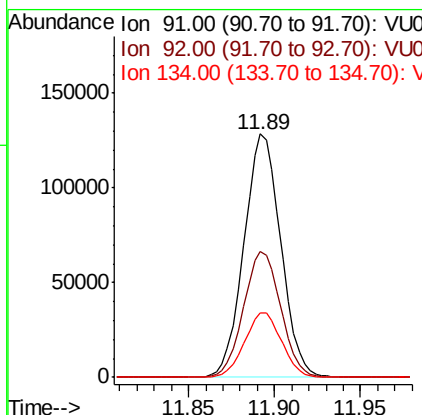
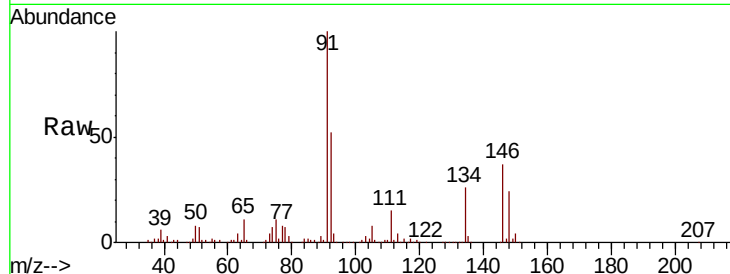
#89
n-Butylbenzene
Concen: 20.51 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.5	79.5
134	26.6	13.6	40.7

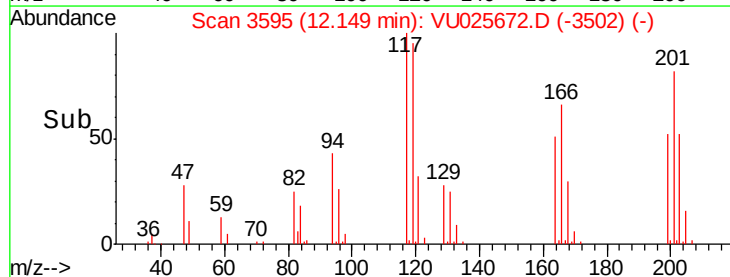
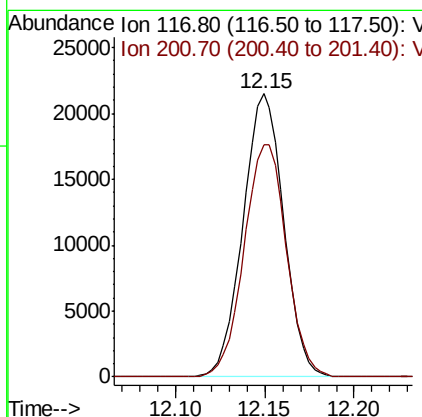
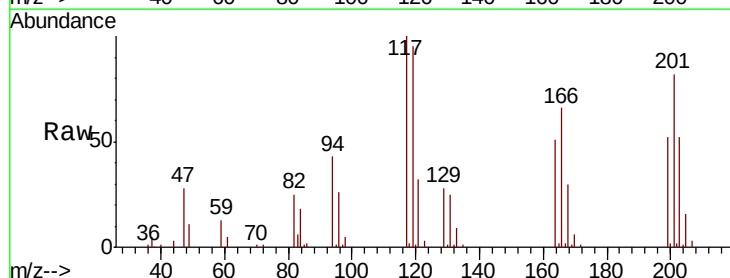
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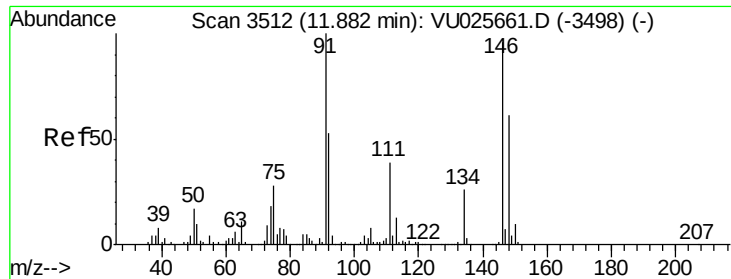
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#90
Hexachloroethane
Concen: 19.07 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 20.50 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

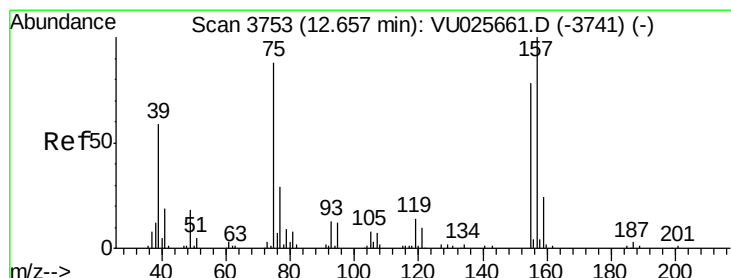
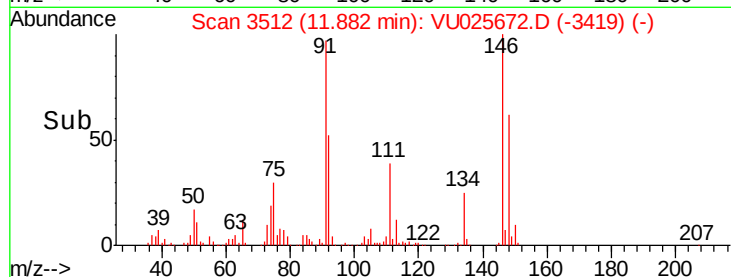
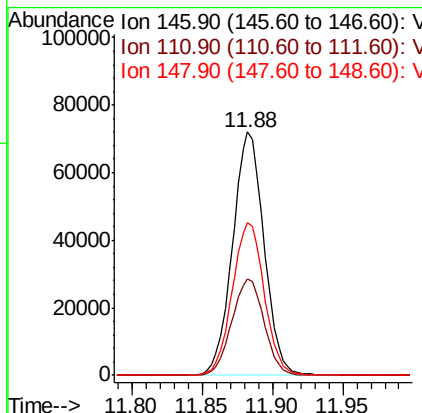
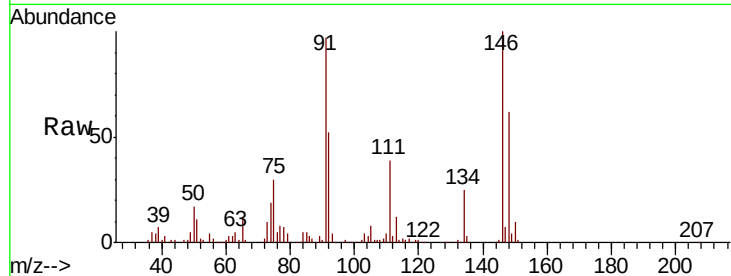
ClientSampleId :

VU0727WBS01

Tot Ion:	146	Resp:	112484
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.6	61.8
148	63.7	31.5	94.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.65 ug/l

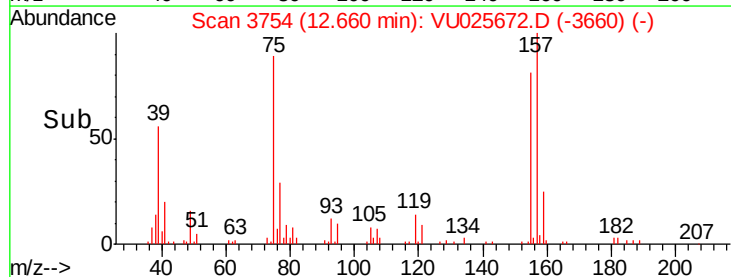
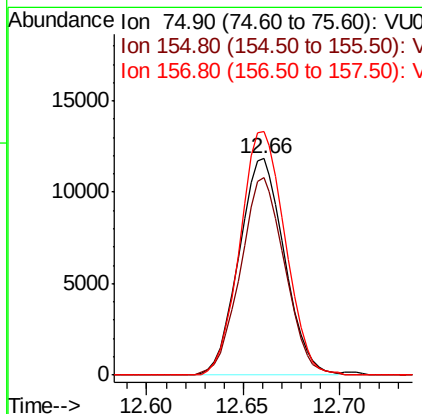
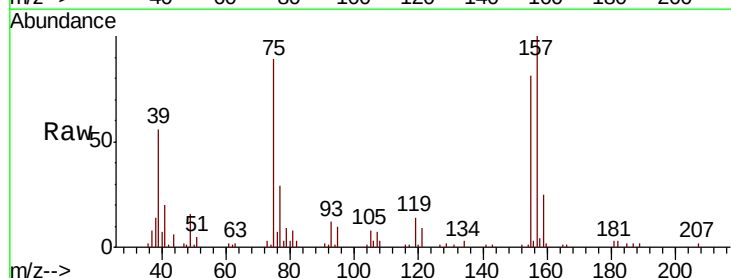
RT: 12.66 min Scan# 3754

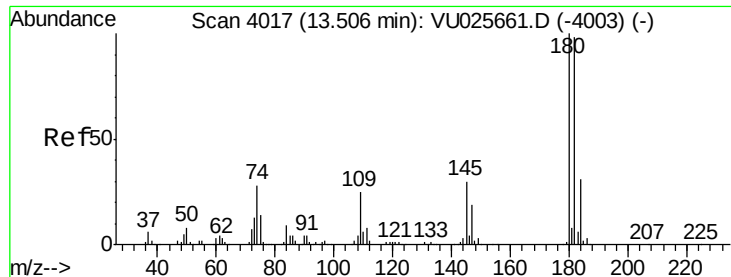
Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Tgt Ion:	75	Resp:	19402
Ion Ratio	Lower	Upper	
75	100		
155	88.9	44.5	133.3
157	111.3	57.0	170.8





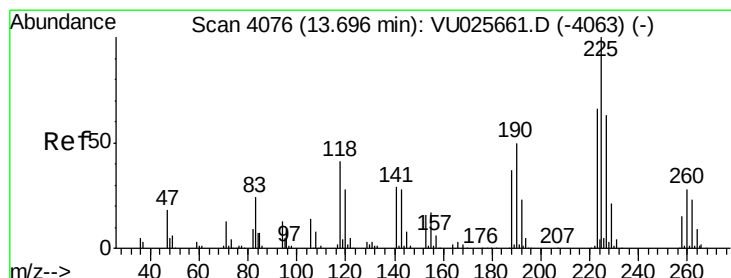
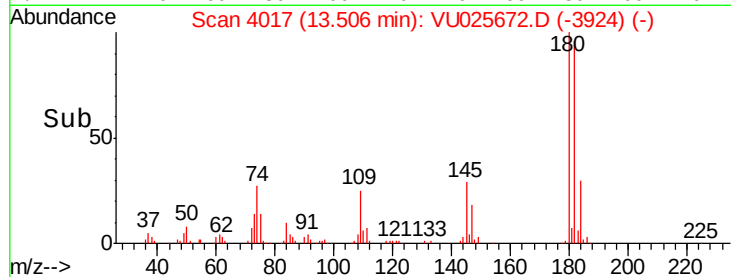
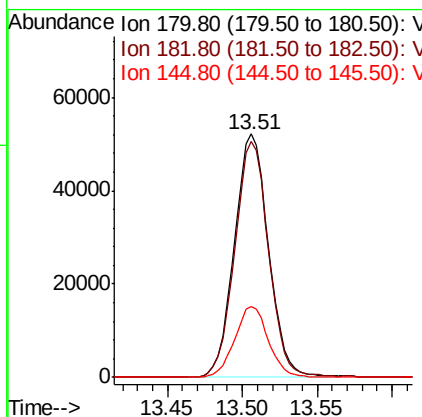
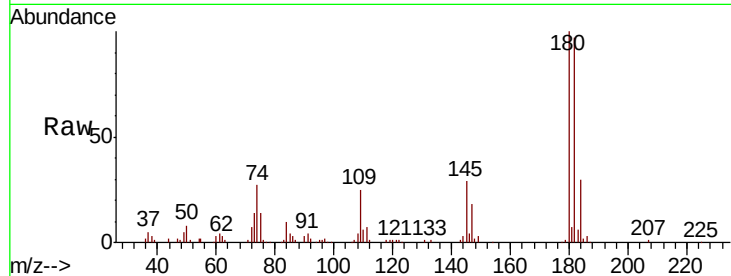
#93
 1,2,4-Trichlorobenzene
 Concen: 22.33 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	82698		
182	96.0		47.3	141.9
145	28.9		14.9	44.7

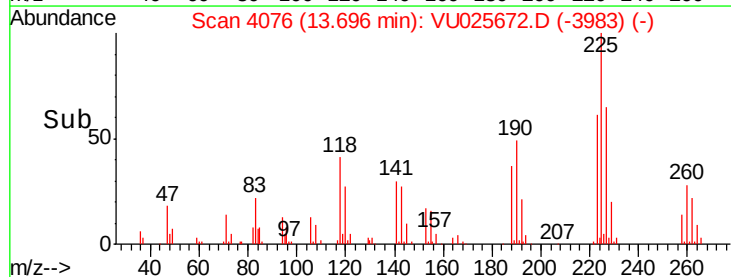
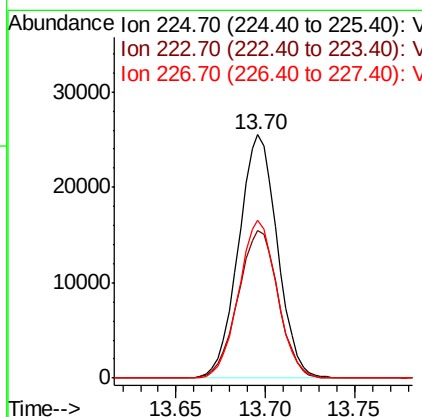
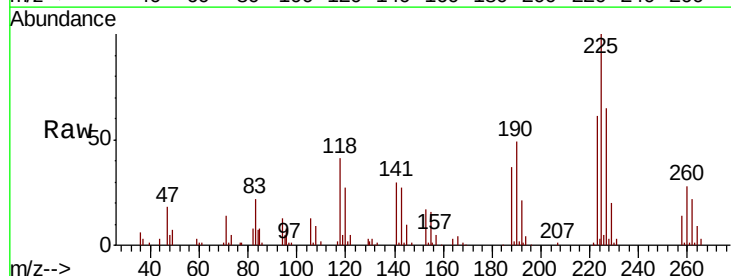
Manual Integrations
 APPROVED

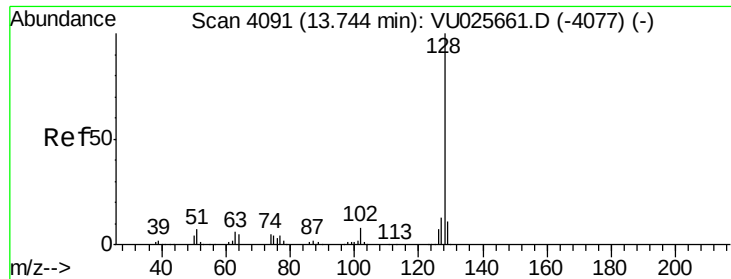
MMDadoda
 7/31/2018 3:49:16 PM



#94
 Hexachlorobutadiene
 Concen: 19.76 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38568		
223	62.6		31.9	95.7
227	64.0		32.3	96.9





#95

Naphthalene

Concen: 24.83 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

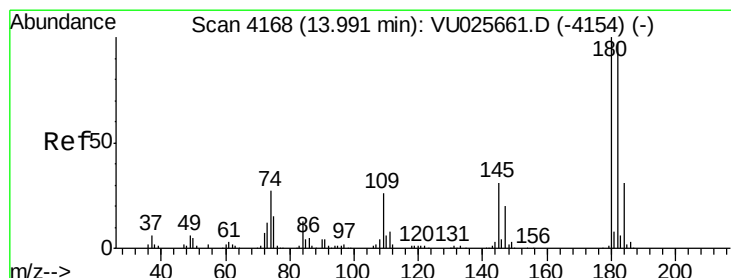
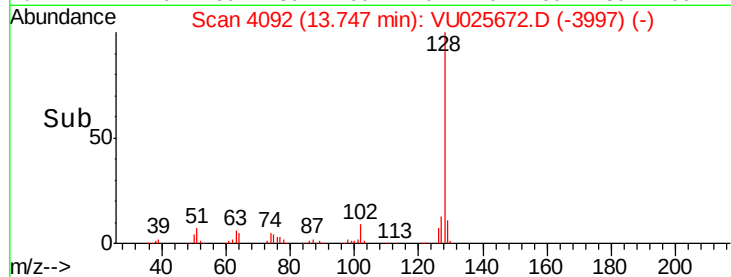
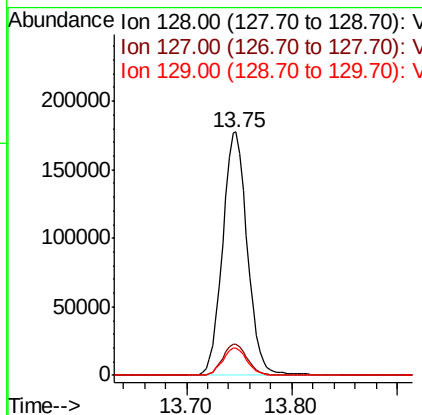
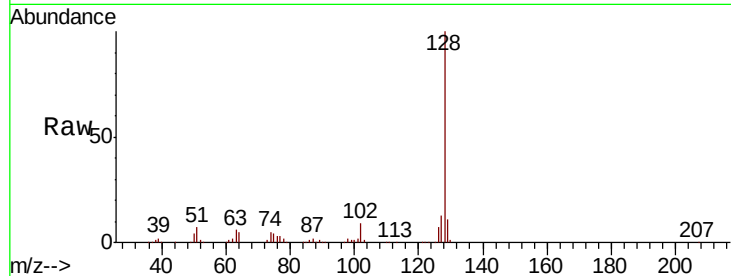
ClientSampleId :

VU0727WBS01

Tot Ion:	128	Resp:	287655
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	11.1	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:49:16 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.10 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Tgt Ion:	180	Resp:	81616
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.8	143.3
145	32.5	15.6	46.8

