

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025201.D
 Acq On : 03 Jul 2018 20:04
 Operator : MD/SY
 Sample : J3760-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Manual Integrations
 APPROVED

sam
 7/5/2018 2:30:45 PM

Quant Time: Jul 05 04:43:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	164838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	254075	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	240156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	141568	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	125045	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
35) Dibromofluoromethane	4.89	113	108070	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	7.57	98	336074	43.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.38%	
62) 4-Bromofluorobenzene	10.31	95	144607	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	84337	40.876	ug/l	99
3) Chloromethane	1.33	50	95256	45.190	ug/l	98
4) Vinyl Chloride	1.40	62	114339	52.597	ug/l	99
5) Bromomethane	1.62	94	61001	58.048	ug/l	100
6) Chloroethane	1.69	64	66455	54.809	ug/l	100
7) Trichlorofluoromethane	1.89	101	164099	49.464	ug/l	98
8) Diethyl Ether	2.10	74	62885	55.923	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.29	101	98007	47.619	ug/l	98
10) Methyl Iodide	2.41	142	114737	64.193	ug/l	97
11) Tert butyl alcohol	2.82	59	169825	259.481	ug/l	100
12) 1,1-Dichloroethene	2.28	96	91000	48.483	ug/l	96
13) Acrolein	2.19	56	27861	81.066	ug/l	93
14) Allyl chloride	2.59	41	158704	45.540	ug/l	97
15) Acrylonitrile	2.94	53	347742	273.089	ug/l	99
16) Acetone	2.32	43	327523	226.522	ug/l	96
17) Carbon Disulfide	2.48	76	250621	41.701	ug/l	98
18) Methyl Acetate	2.62	43	204434	65.953	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	376498	53.364	ug/l	97
20) Methylene Chloride	2.70	84	112182	49.448	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	102282	49.478	ug/l	97
22) Diisopropyl ether	3.57	45	355294	51.429	ug/l	96
23) Vinyl Acetate	3.53	43	1468408	237.281	ug/l	99
24) 1,1-Dichloroethane	3.45	63	205084	51.604	ug/l	100
25) 2-Butanone	4.26	43	505874	260.472	ug/l	97
26) 2,2-Dichloropropane	4.23	77	151566	40.164	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	141266	59.440	ug/l	97
28) Bromochloromethane	4.55	49	70245	40.129	ug/l	84
29) Tetrahydrofuran	4.63	42	322955	268.524	ug/l	97
30) Chloroform	4.68	83	214917	53.428	ug/l	100
31) Cyclohexane	5.00	56	176548	50.026	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	193106	51.914	ug/l	96
36) 1,1-Dichloropropene	5.14	75	150628	50.452	ug/l	97
37) Ethyl Acetate	4.38	43	175748	54.009	ug/l	98
38) Carbon Tetrachloride	5.14	117	173039	52.706	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	179374	48.144	ug/l	96
40) Benzene	5.39	78	446874	52.528	ug/l	100
41) Methacrylonitrile	4.54	41	102832	58.611	ug/l	99
42) 1,2-Dichloroethane	5.41	62	186082	57.431	ug/l	98
43) Isopropyl Acetate	5.55	43	283729	50.443	ug/l	99
44) Trichloroethene	6.19	130	122050	50.410	ug/l	97
45) 1,2-Dichloropropane	6.44	63	120505	53.087	ug/l	95
46) Dibromomethane	6.56	93	87087	54.620	ug/l	93
47) Bromodichloromethane	6.76	83	167005	52.600	ug/l	98
48) Methyl methacrylate	6.63	41	151524	55.322	ug/l	99
49) 1,4-Dioxane	6.62	88	63609	1187.545	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	969155	274.254	ug/l	98
52) Toluene	7.64	92	289073	52.815	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	174629	48.977	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	184112	48.460	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	121119	54.440	ug/l	97
56) Ethyl methacrylate	8.02	69	190389	51.128	ug/l	99
57) 1,3-Dichloropropane	8.25	76	204549	54.501	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.14	63	291	0.204	ug/l #	50
59) 2-Hexanone	8.36	43	774447	268.439	ug/l	100
60) Dibromochloromethane	8.48	129	139310	50.213	ug/l	100
61) 1,2-Dibromoethane	8.59	107	131884	53.259	ug/l	98
64) Tetrachloroethene	8.23	164	105390	46.167	ug/l	98
65) Chlorobenzene	9.12	112	330919	53.939	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	126055	54.081	ug/l	97
67) Ethyl Benzene	9.26	91	570021	52.999	ug/l	98
68) m/p-Xylenes	9.38	106	445145	107.782	ug/l	97
69) o-Xylene	9.78	106	222123	54.344	ug/l	96
70) Styrene	9.80	104	354796	52.821	ug/l	99
71) Bromoform	9.96	173	107780	48.649	ug/l #	98
73) Isopropylbenzene	10.17	105	597065	54.933	ug/l	100
74) N-amyl acetate	10.01	43	249605	48.281	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	205765	56.494	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	171935m	55.164	ug/l	
77) Bromobenzene	10.45	156	154016	55.973	ug/l	93
78) n-propylbenzene	10.59	91	664951	51.935	ug/l	97
79) 2-Chlorotoluene	10.66	91	404788	53.611	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	509713	54.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	65983m	48.996	ug/l	
82) 4-Chlorotoluene	10.78	91	467506	53.198	ug/l	99
83) tert-Butylbenzene	11.10	119	511590	56.455	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	516875	53.838	ug/l	100
85) sec-Butylbenzene	11.33	105	601039	52.987	ug/l	98
86) p-Isopropyltoluene	11.48	119	532552	52.421	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	274271	53.951	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	275453	53.834	ug/l	99
89) n-Butylbenzene	11.89	91	427708	47.421	ug/l	97
90) Hexachloroethane	12.15	117	96872	48.881	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	285684	56.105	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	54316	54.046	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	175914	55.946	ug/l	100
94) Hexachlorobutadiene	13.70	225	91695	51.810	ug/l	99
95) Naphthalene	13.75	128	618782	59.316	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	191237	61.036	ug/l	99

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

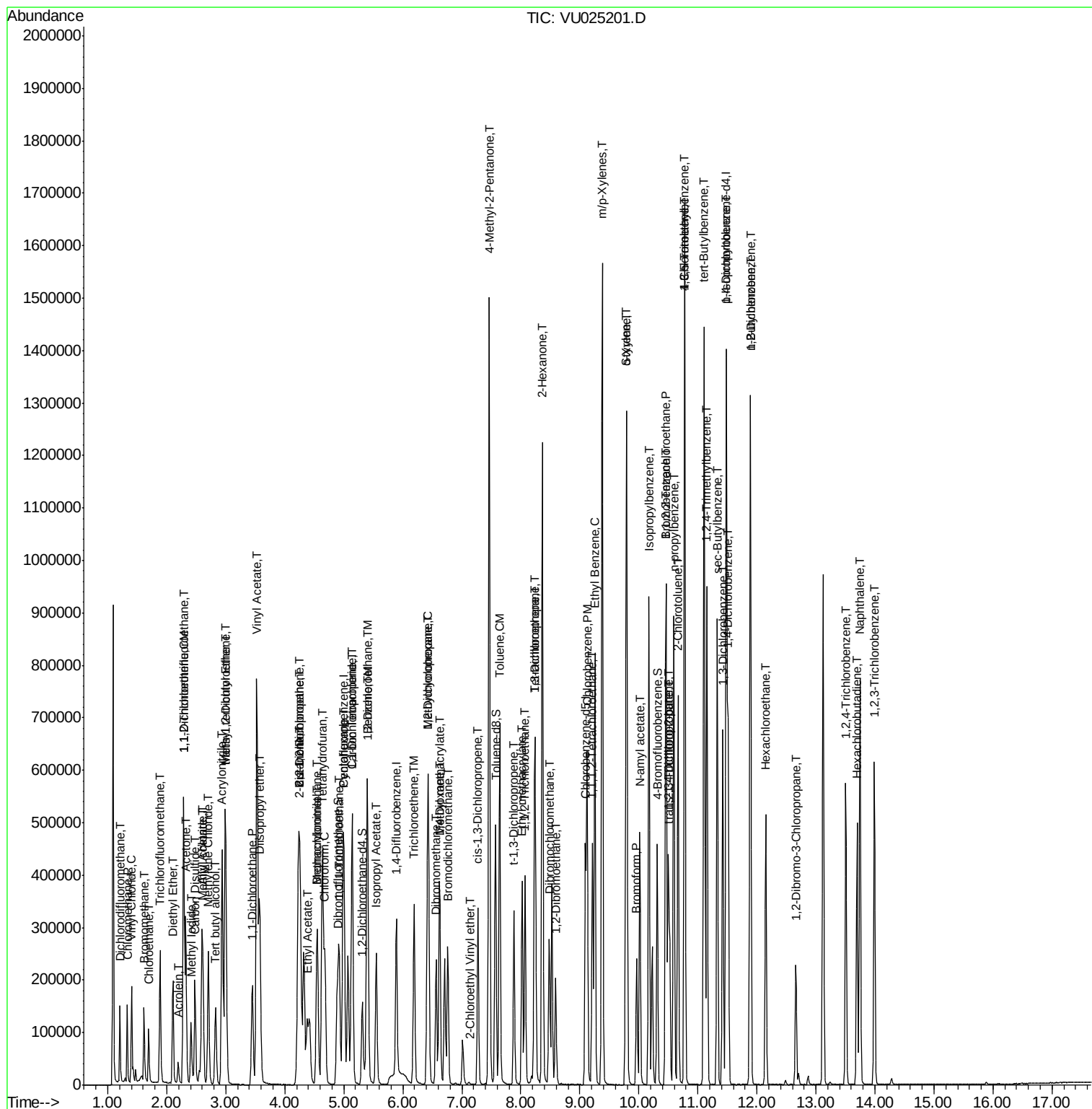
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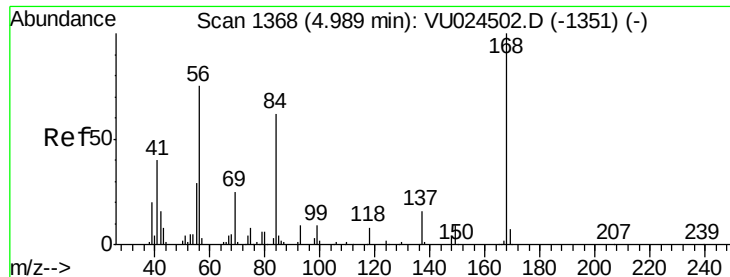
Instrument :
MSVOA_U
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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

Tot Ion:168 Resp: 164838

Ion Ratio Lower Upper

168 100

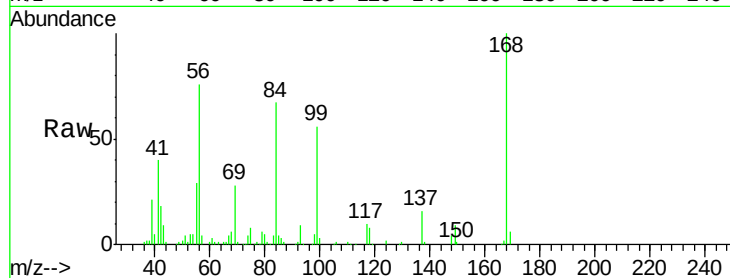
99 55.1 43.2 64.8

Manual Integrations

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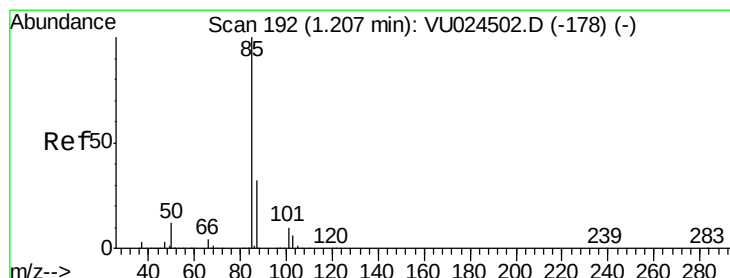
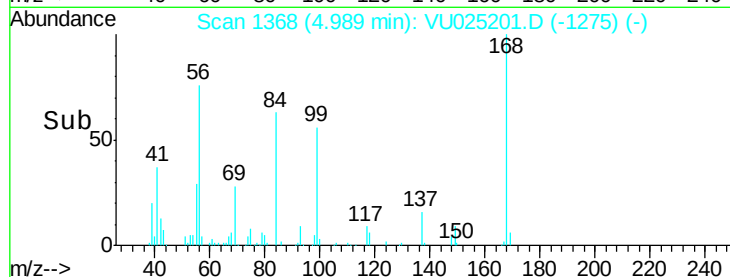
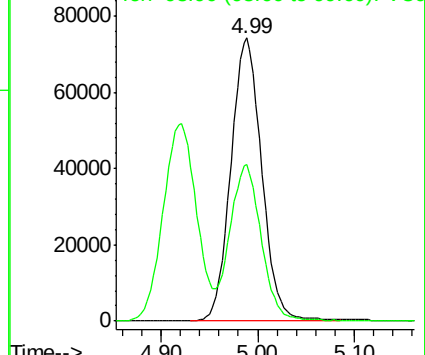
sam

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 40.876 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025201.D

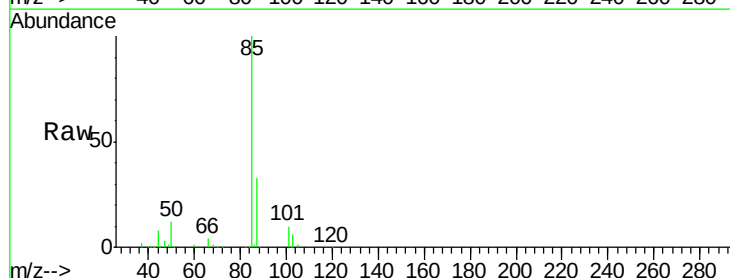
Acq: 03 Jul 2018 20:04

Tgt Ion: 85 Resp: 84337

Ion Ratio Lower Upper

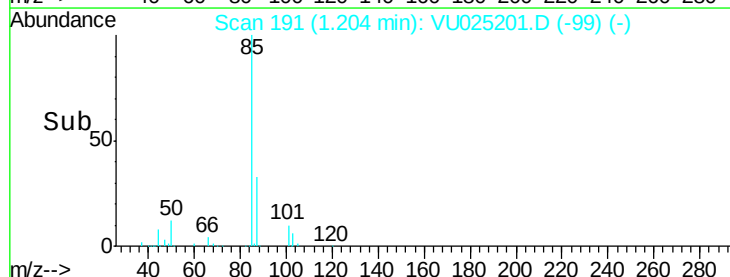
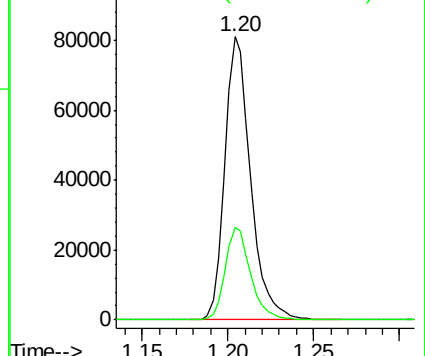
85 100

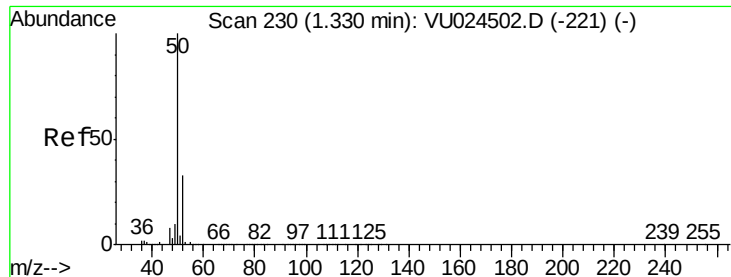
87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 45.190 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

Tot Ion: 50 Resp: 95256

Ion Ratio Lower Upper

50 100

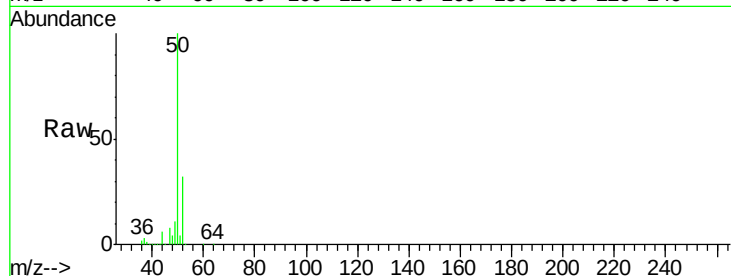
52 32.0 26.4 39.6

Manual Integrations

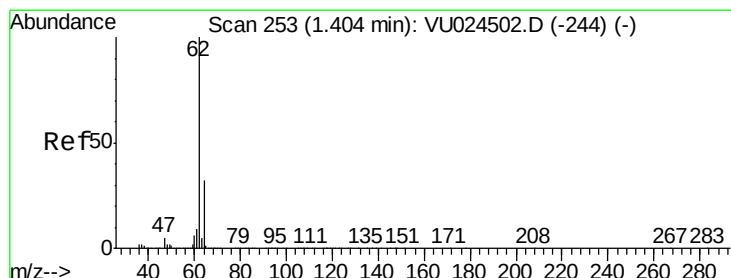
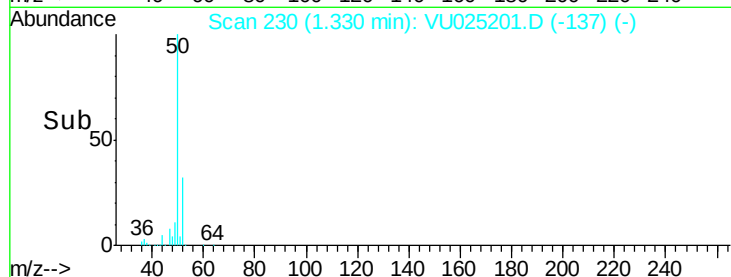
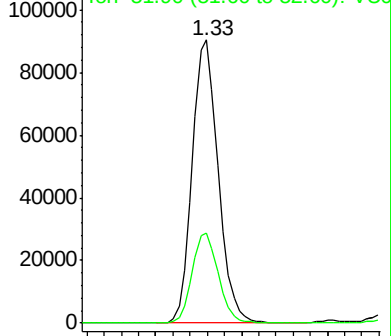
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Abundance Ion 49.90 (49.60 to 50.60): VU025201.D (-137) (-)



#4

Vinyl Chloride

Concen: 52.597 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025201.D

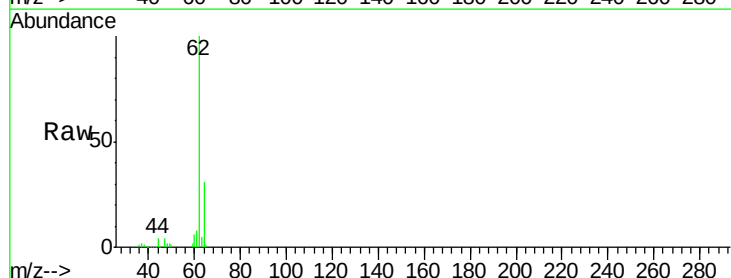
Acq: 03 Jul 2018 20:04

Tgt Ion: 62 Resp: 114339

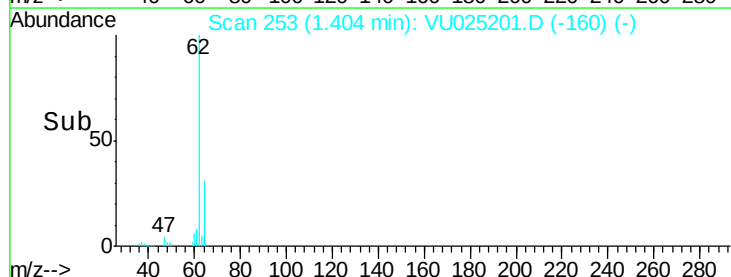
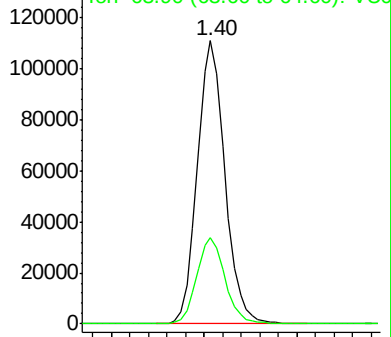
Ion Ratio Lower Upper

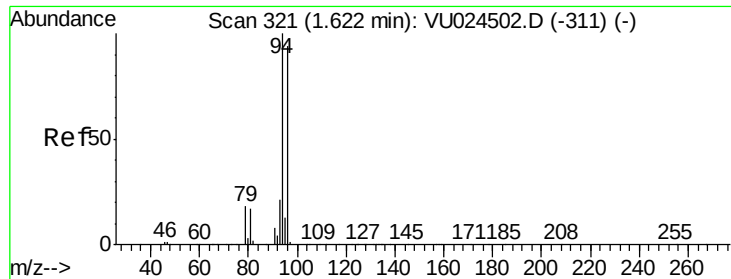
62 100

64 30.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU025201.D (-160) (-)





#5

Bromomethane

Concen: 58.048 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

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Tot Ion: 94 Resp: 61001

Ion Ratio Lower Upper

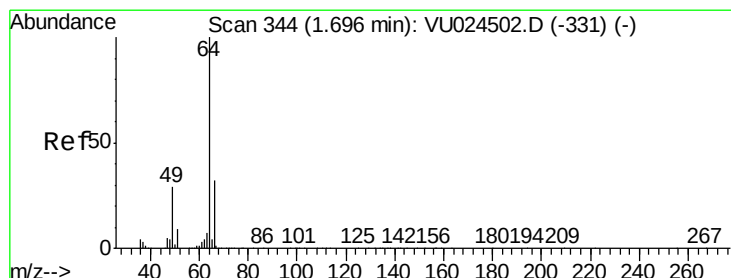
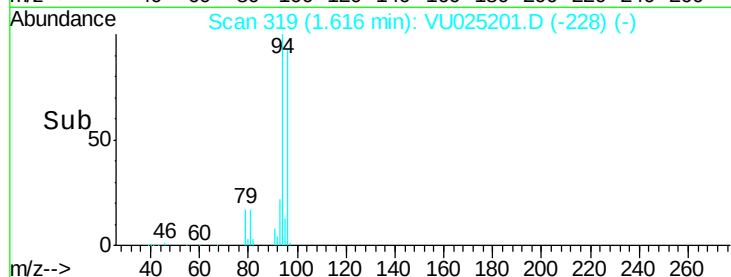
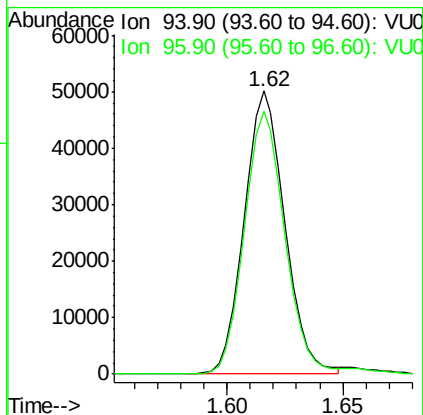
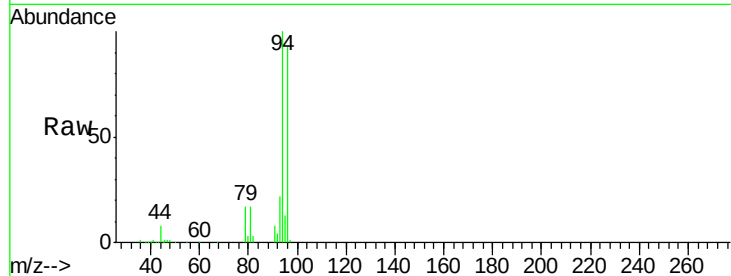
94 100

96 92.8 74.5 111.7

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#6

Chloroethane

Concen: 54.809 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025201.D

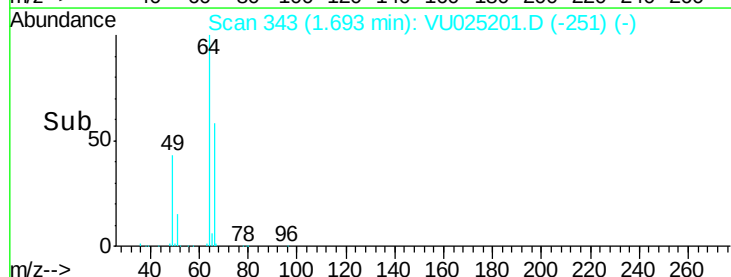
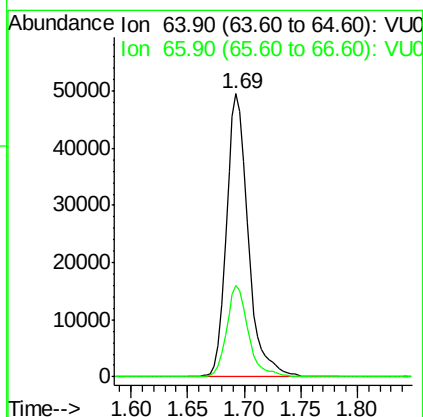
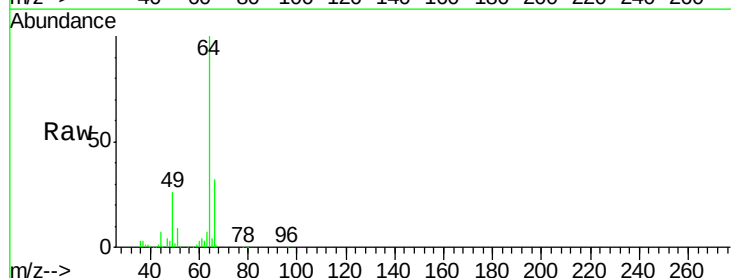
Acq: 03 Jul 2018 20:04

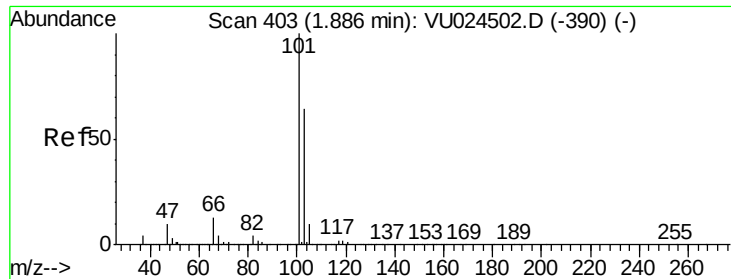
Tgt Ion: 64 Resp: 66455

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3





#7

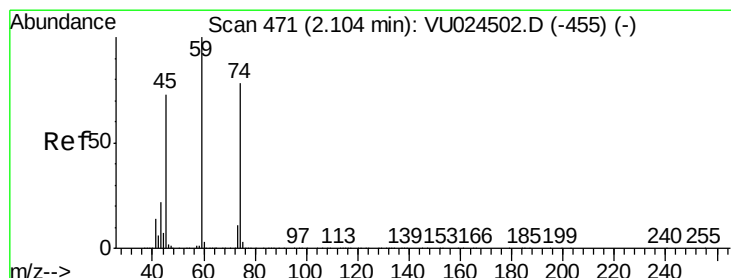
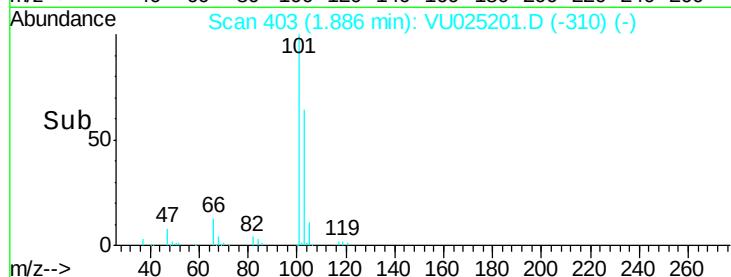
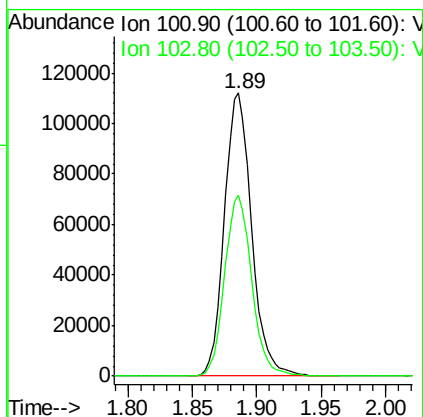
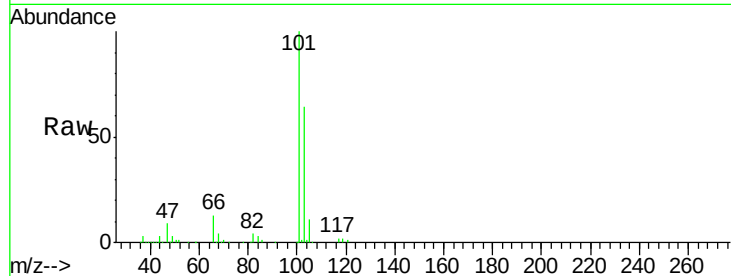
Trichlorofluoromethane
Concen: 49.464 ug/l
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU025201.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.3	78.5

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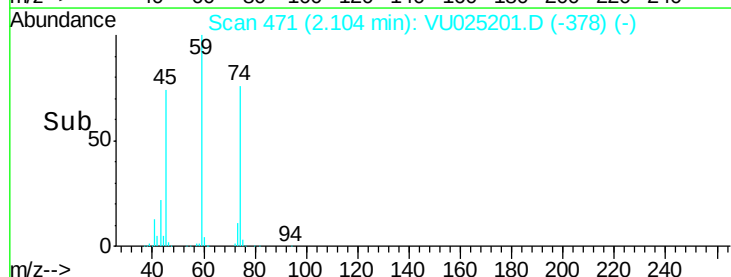
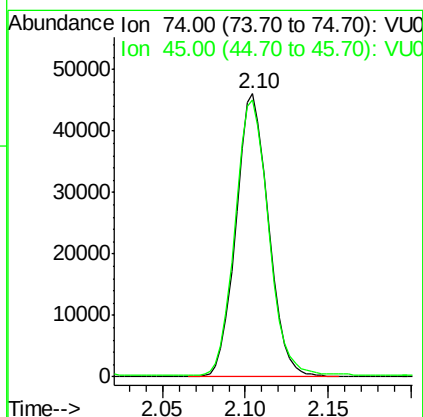
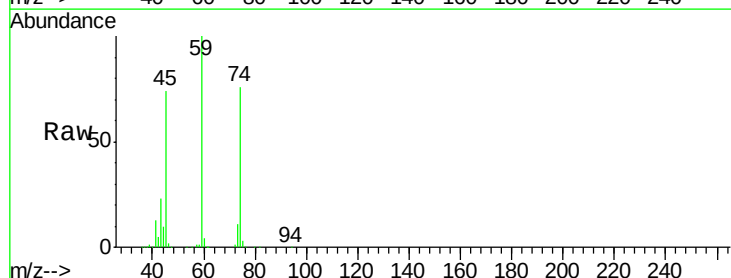
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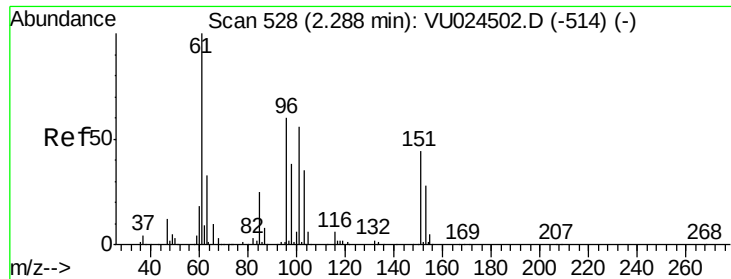


#8

Diethyl Ether
Concen: 55.923 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.619 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

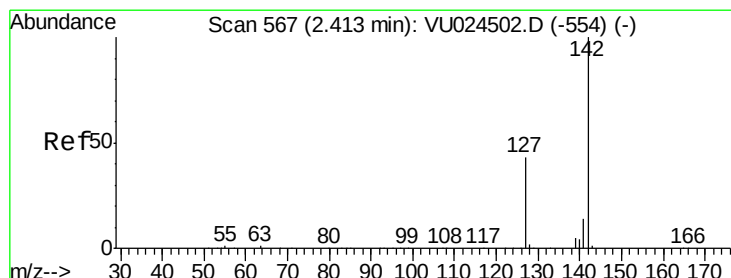
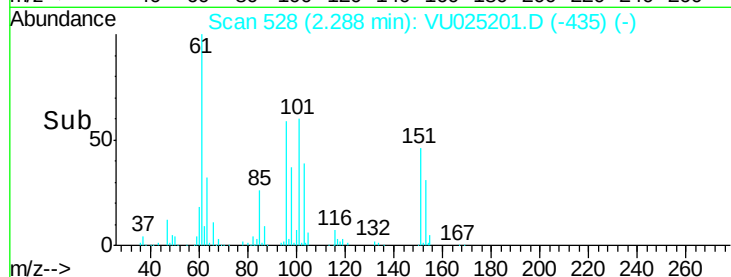
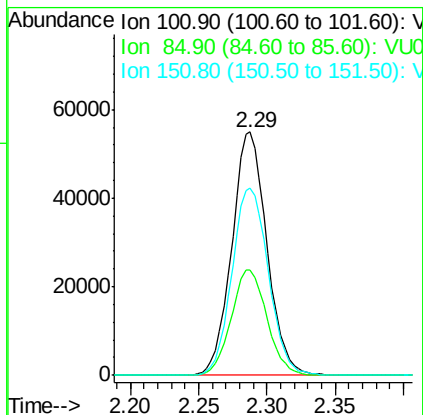
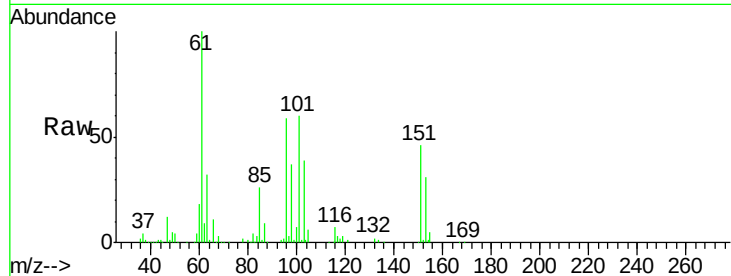
ClientSampleId :

WP021MW011-180627MSD

Tot Ion:	101	Resp:	98007
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.0	54.0
151	80.0	62.3	93.5

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#10

Methyl Iodide

Concen: 64.193 ug/l

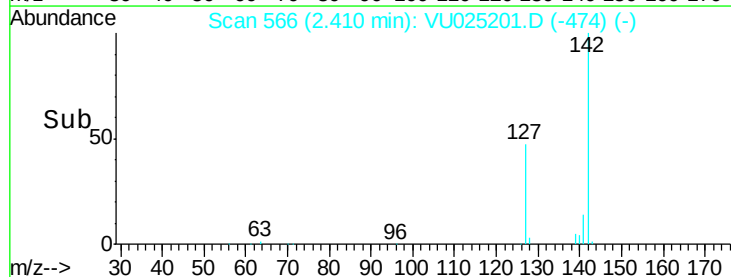
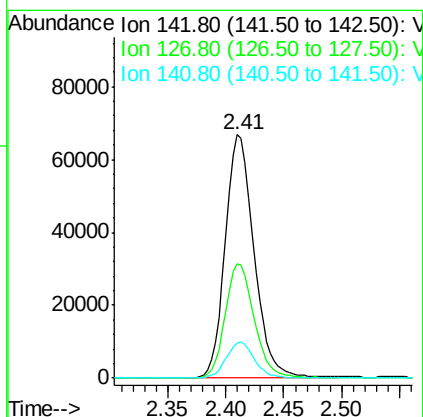
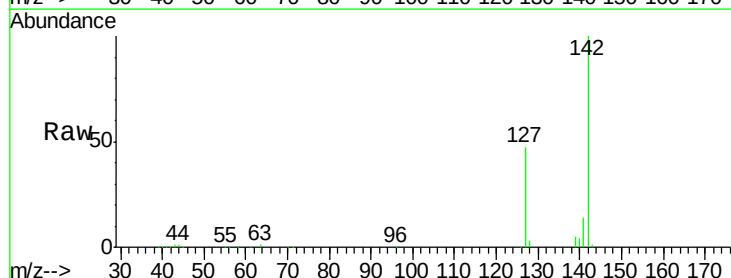
RT: 2.41 min Scan# 566

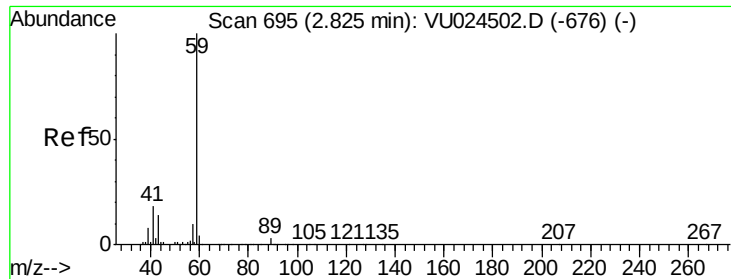
Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Tgt Ion:	142	Resp:	114737
Ion Ratio	Lower	Upper	
142	100		
127	47.0	35.6	53.4
141	14.4	11.7	17.5





#11

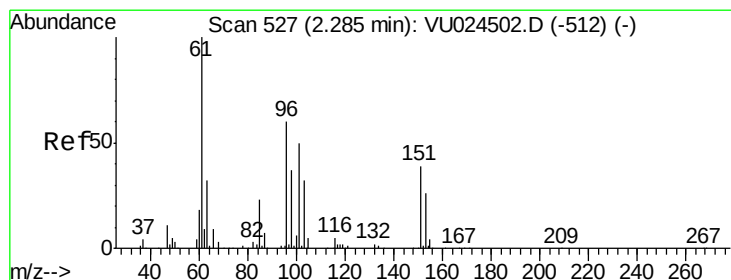
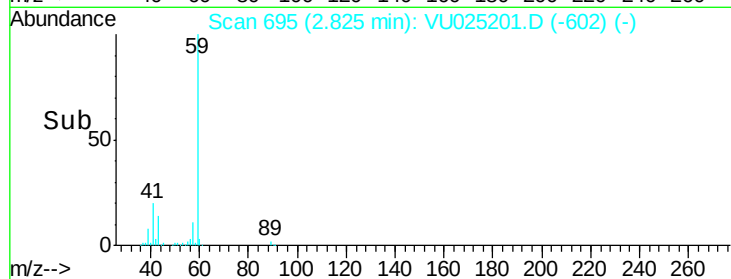
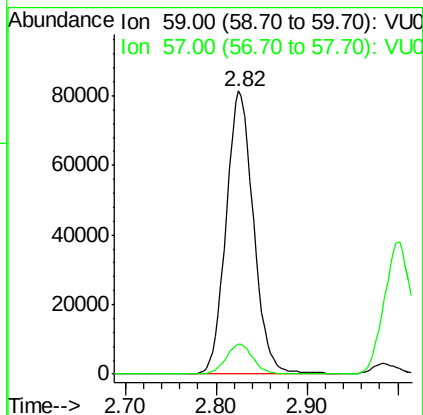
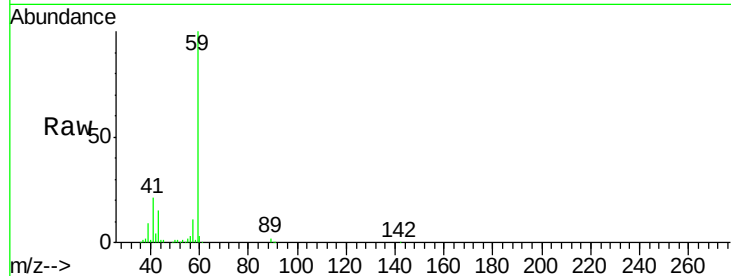
Tert butyl alcohol
 Concen: 259.481 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

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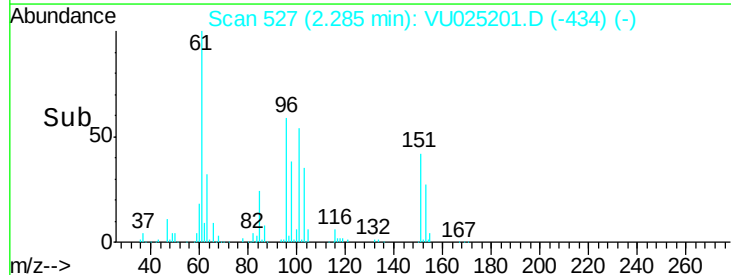
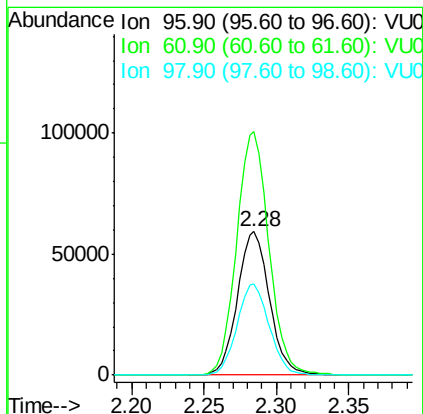
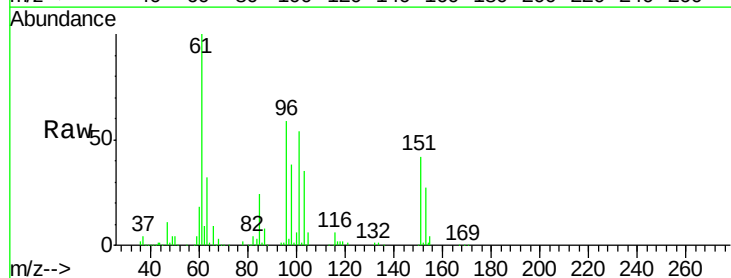
sam
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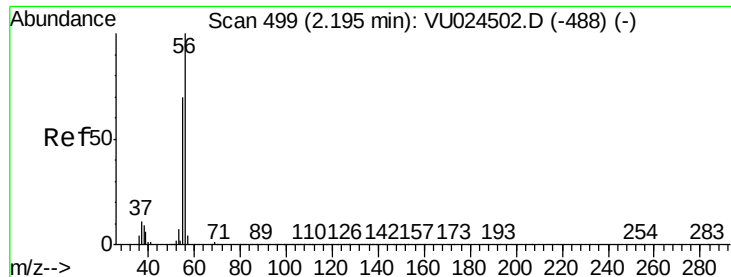


#12

1,1-Dichloroethene
 Concen: 48.483 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.1	141.7	212.5
98	64.2	51.6	77.4





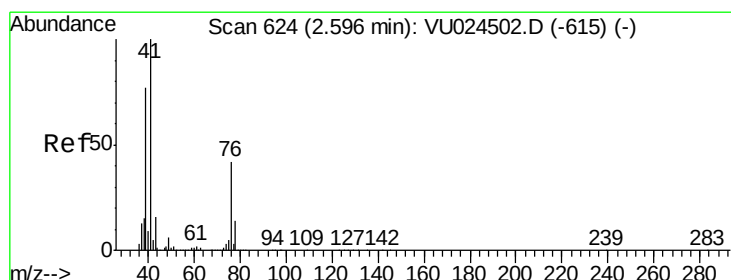
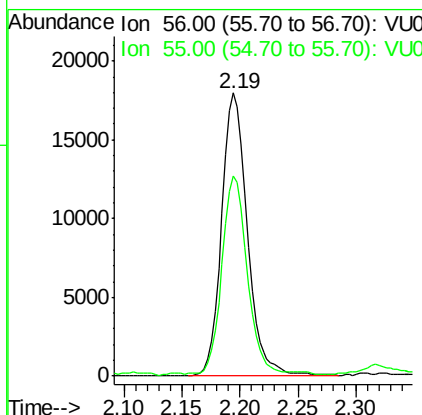
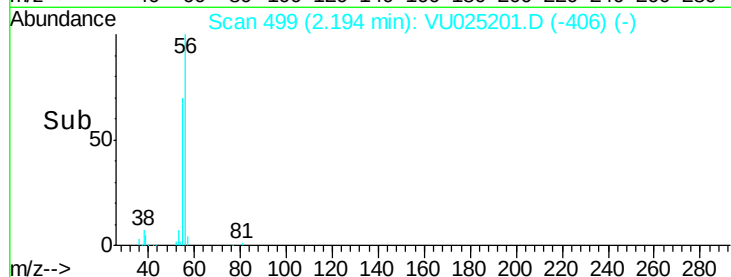
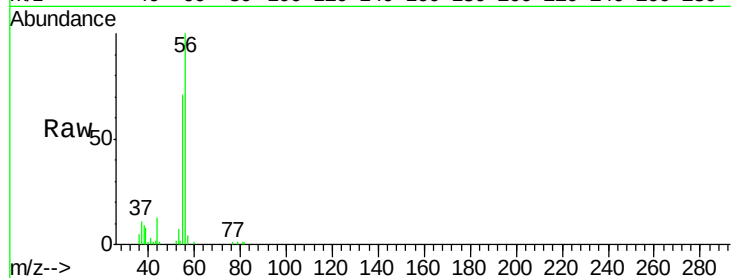
#13
Acrolein
Concen: 81.066 ug/l
RT: 2.19 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
56	100		
55	67.0	58.4	87.6

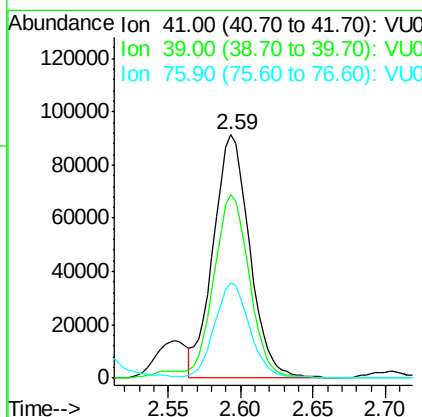
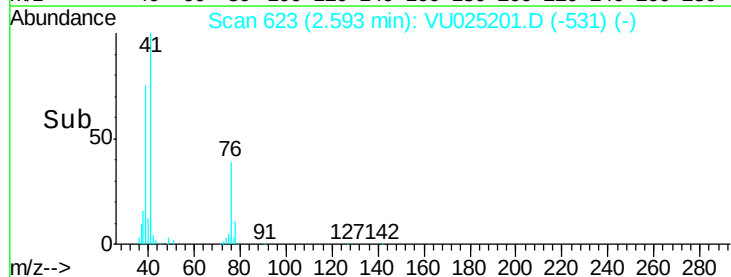
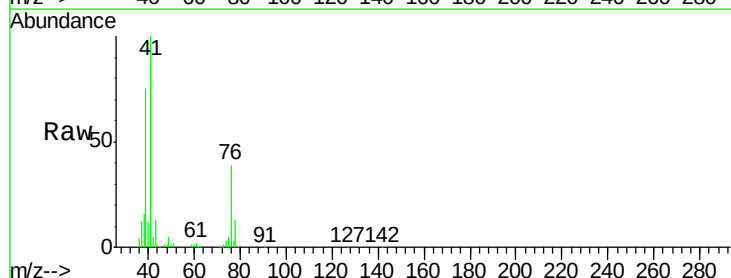
Manual Integrations
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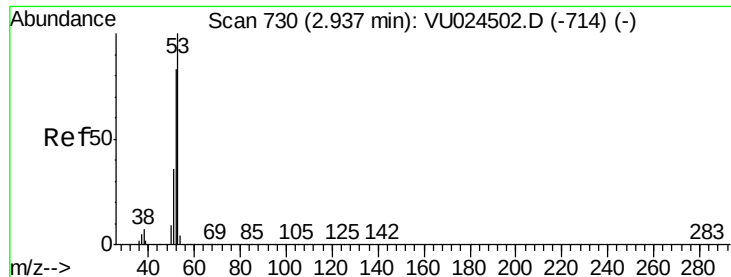
sam
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#14
Allyl chloride
Concen: 45.540 ug/l
RT: 2.59 min Scan# 623
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.9	61.6	92.4
76	37.5	29.7	44.5





#15

Acrylonitrile

Concen: 273.089 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

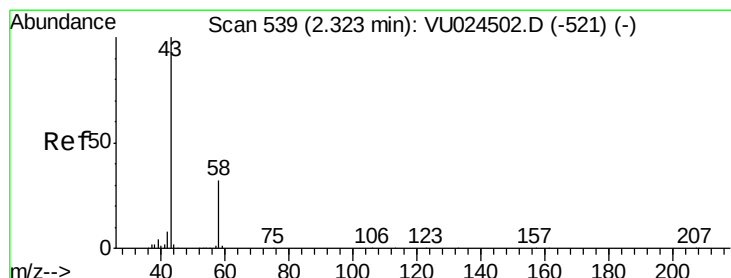
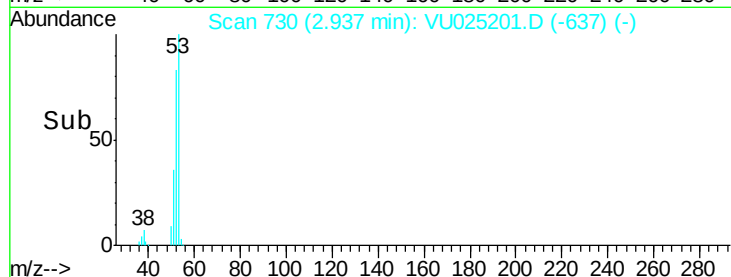
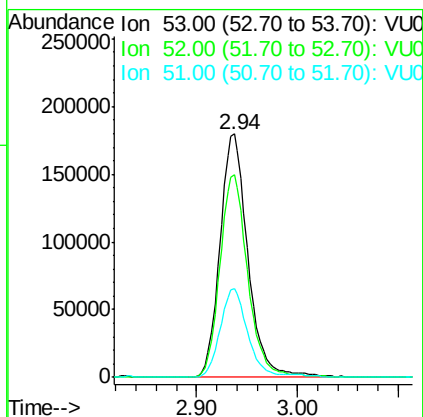
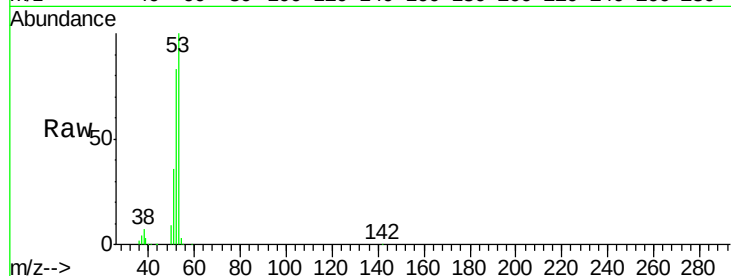
ClientSampleId :

WP021MW011-180627MSD

Tot Ion:	53	Resp:	347742
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.1	100.7
51	35.3	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 226.522 ug/l

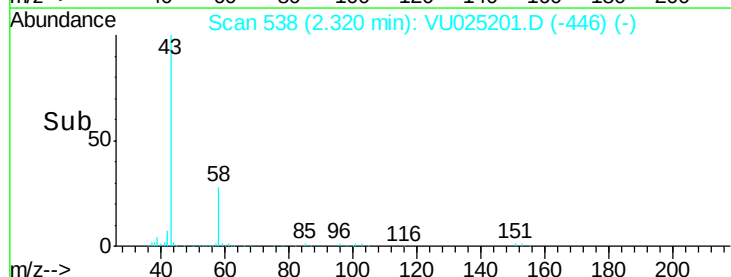
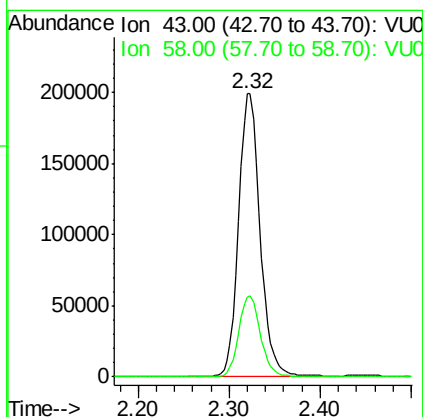
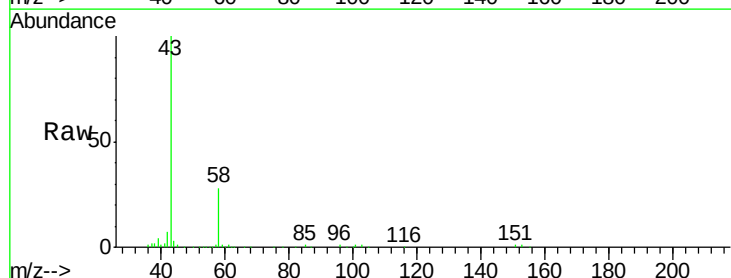
RT: 2.32 min Scan# 538

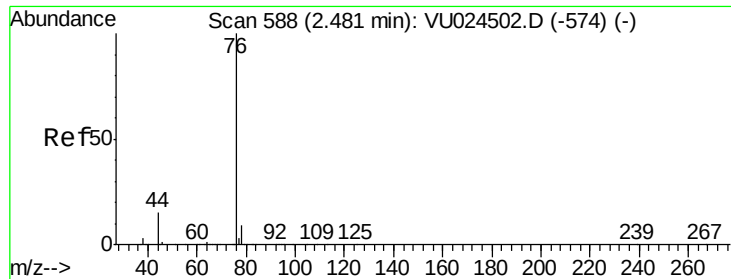
Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Tgt Ion:	43	Resp:	327523
Ion	Ratio	Lower	Upper
43	100		
58	28.4	24.4	36.6





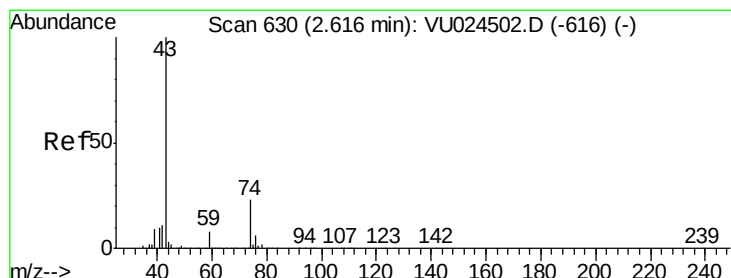
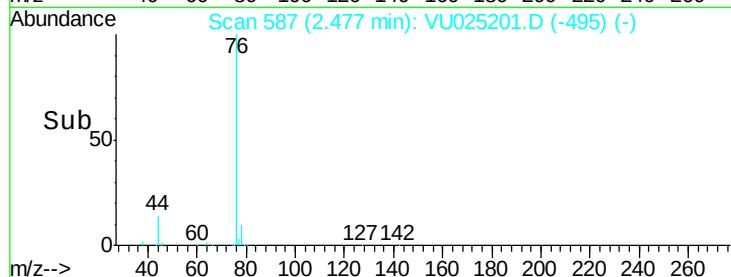
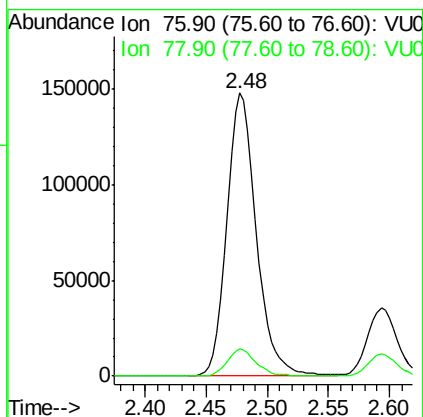
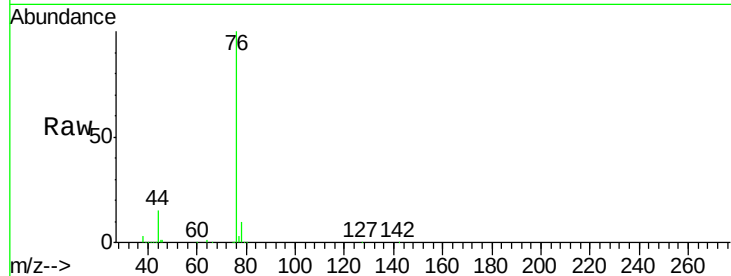
#17
Carbon Disulfide
Concen: 41.701 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion	Ion	Ratio	Lower	Upper
76	76	100		
78	78	9.7	7.1	10.7

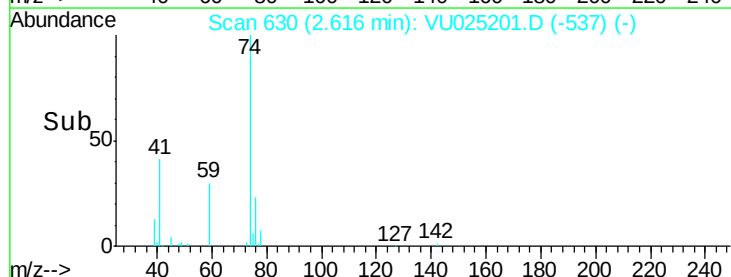
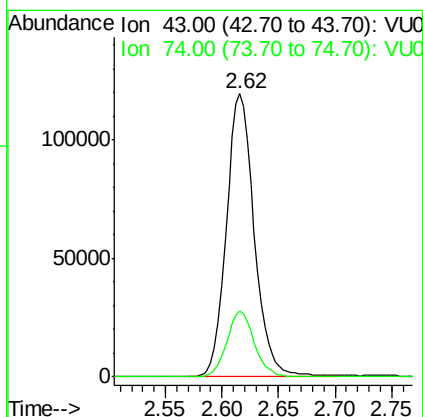
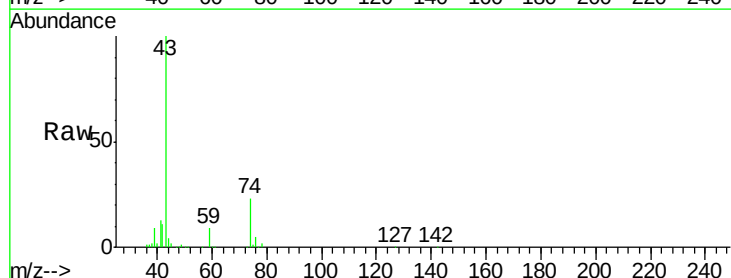
Manual Integrations
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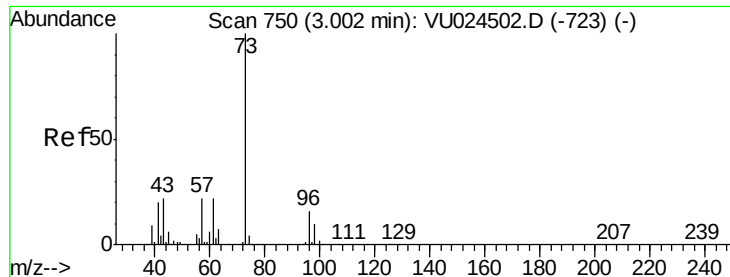
sam
7/5/2018 2:30:45 PM



#18
Methyl Acetate
Concen: 65.953 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
74	74	23.0	18.0	27.0





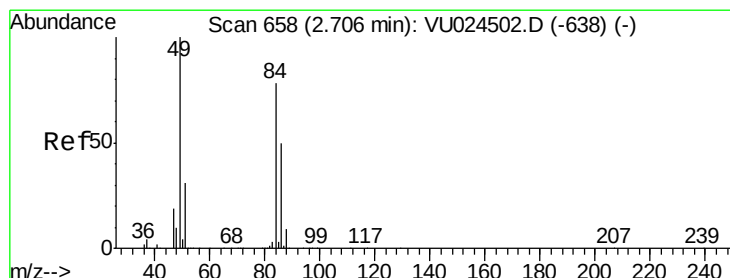
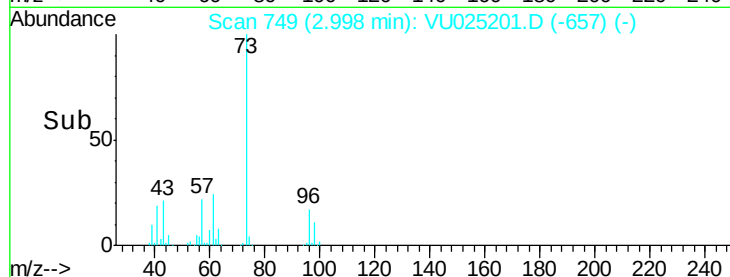
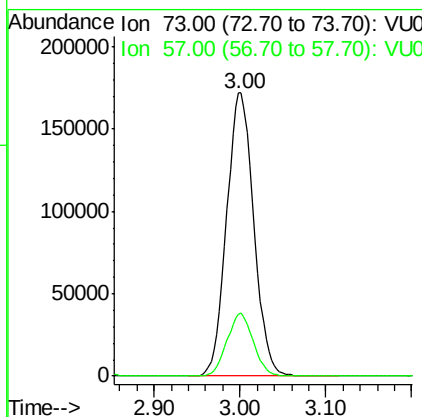
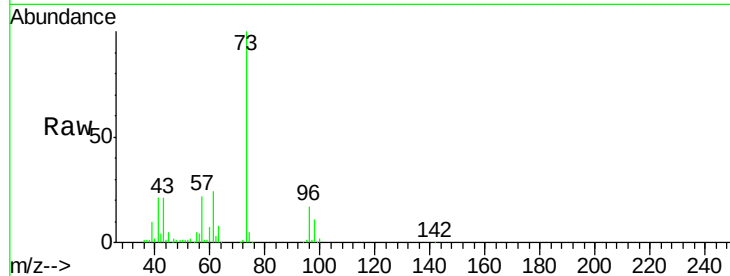
#19
Methvl tert-butyl Ether
Concen: 53.364 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion: 73 Resp: 376498
Ion Ratio Lower Upper
73 100
57 21.8 18.8 28.2

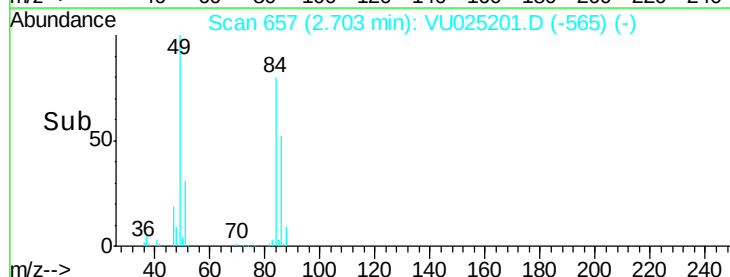
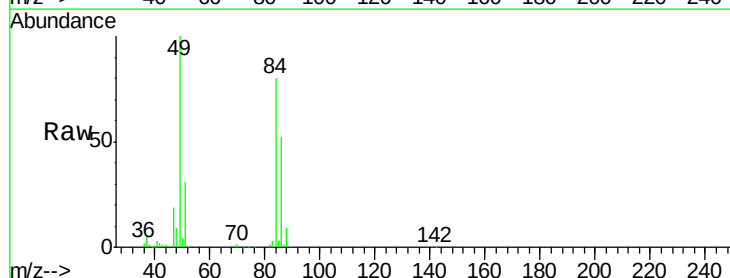
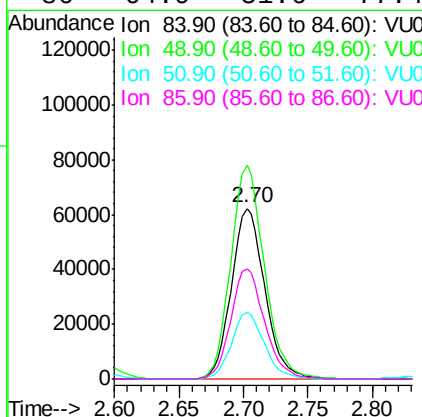
Manual Integrations
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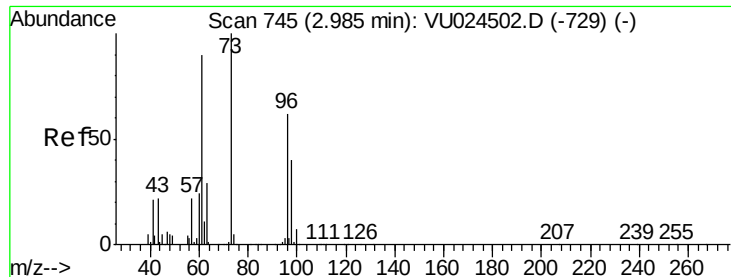
sam
7/5/2018 2:30:45 PM



#20
Methylene Chloride
Concen: 49.448 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion: 84 Resp: 112182
Ion Ratio Lower Upper
84 100
49 125.4 103.8 155.8
51 39.1 32.0 48.0
86 64.9 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 49.478 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

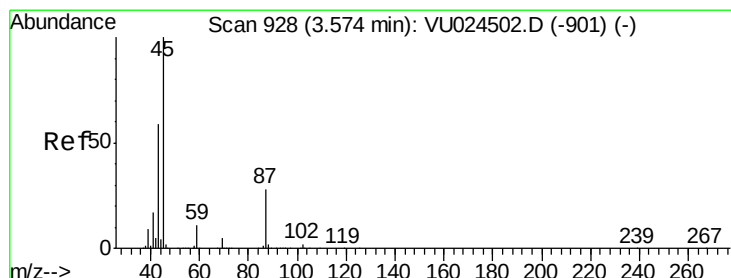
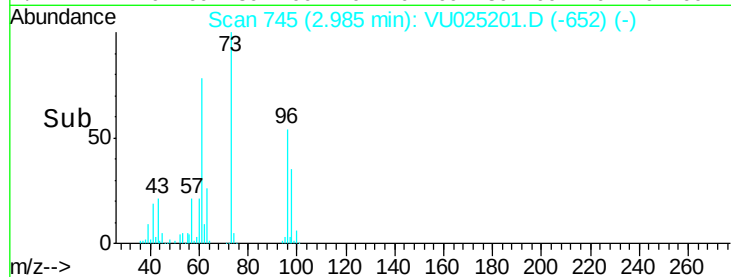
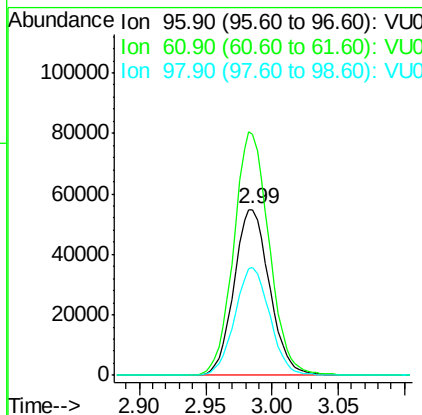
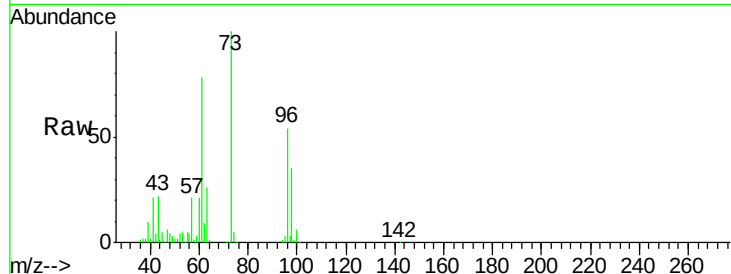
ClientSampleId :

WP021MW011-180627MSD

Tot Ion:	96	Resp:	102282
Ion	Ratio	Lower	Upper
96	100		
61	145.5	119.4	179.0
98	65.4	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.429 ug/l

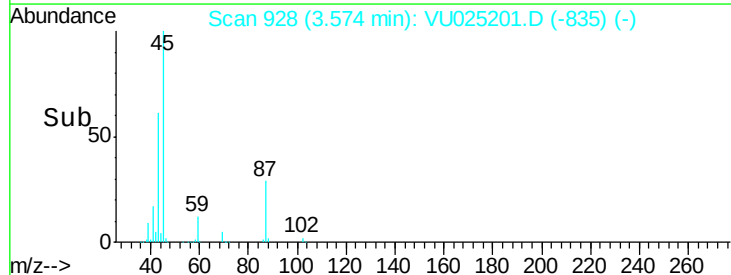
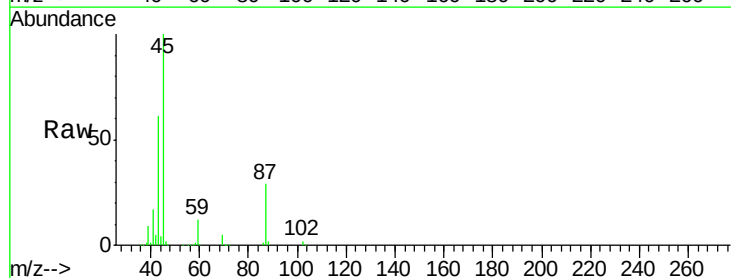
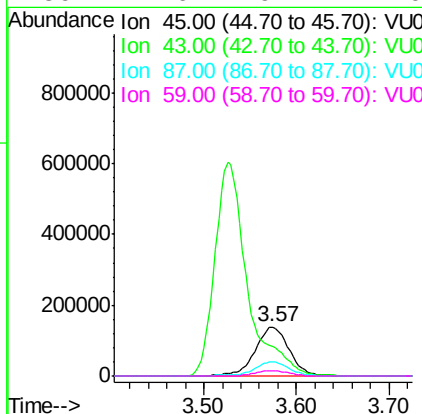
RT: 3.57 min Scan# 928

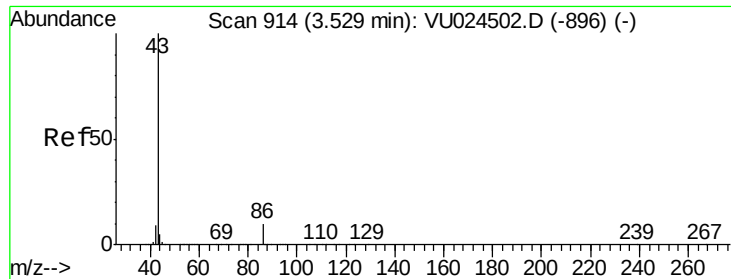
Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Tgt Ion:	45	Resp:	355294
Ion	Ratio	Lower	Upper
45	100		
43	59.8	45.8	68.6
87	28.7	20.6	31.0
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 237.281 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

Tot Ion: 43 Resp: 1468408

Ion Ratio Lower Upper

43 100

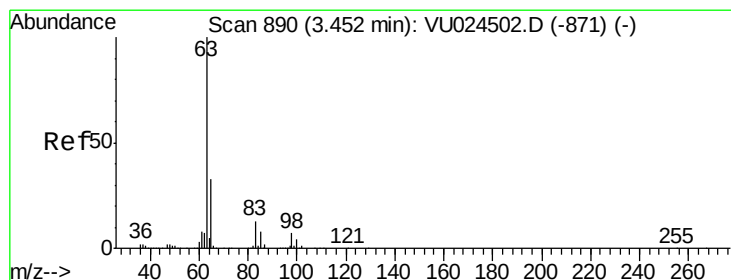
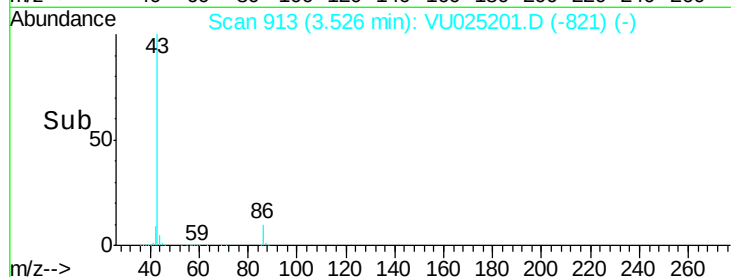
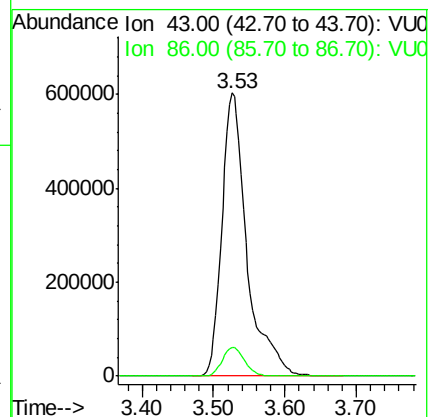
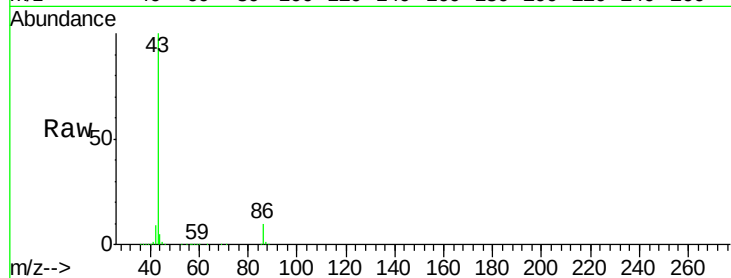
86 10.2 7.8 11.8

Manual Integrations

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sam

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#24

1,1-Dichloroethane

Concen: 51.604 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

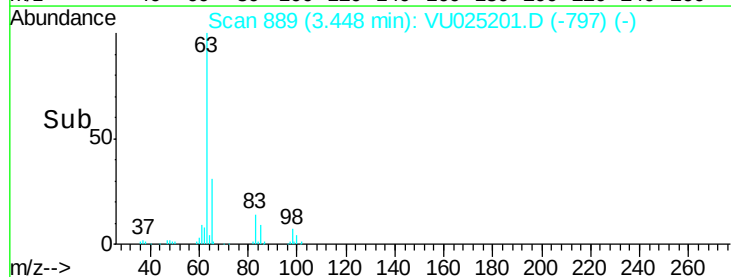
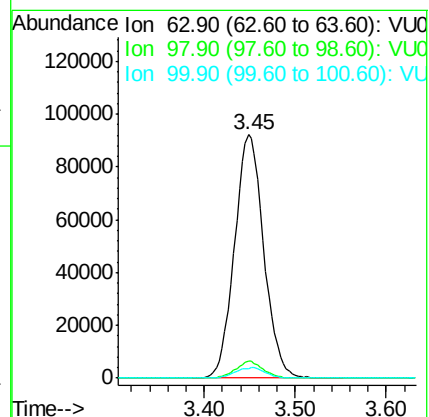
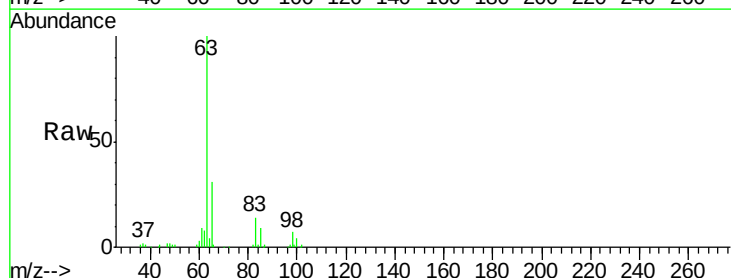
Tgt Ion: 63 Resp: 205084

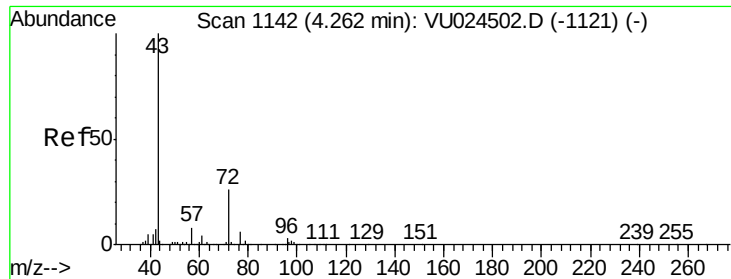
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.0 1.8 5.5





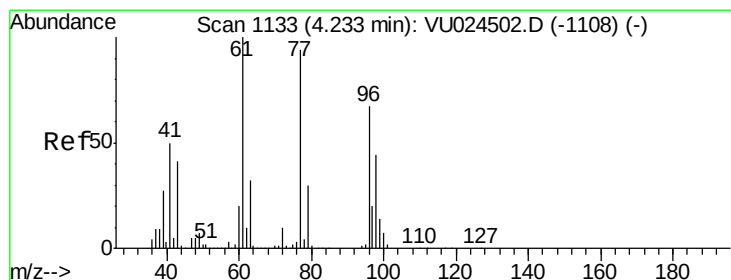
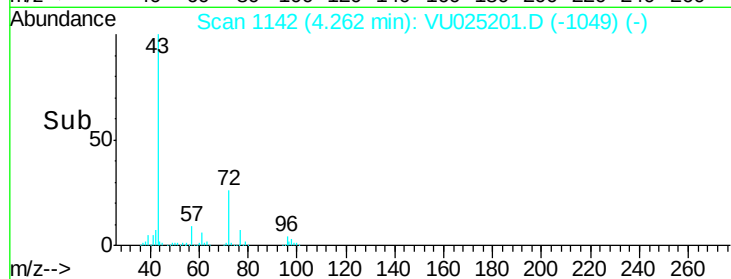
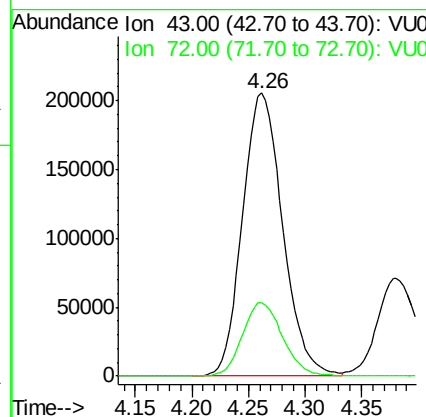
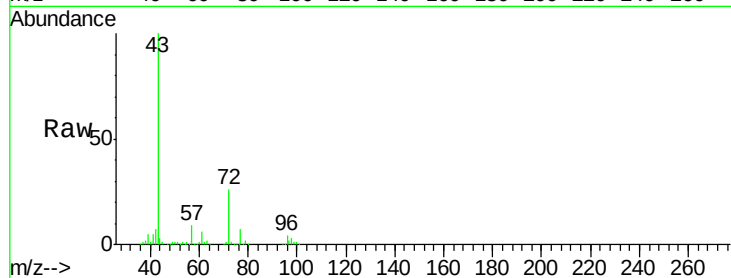
#25
2-Butanone
Concen: 260.472 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion: 43 Resp: 505874
Ion Ratio Lower Upper
43 100
72 25.8 19.6 29.4

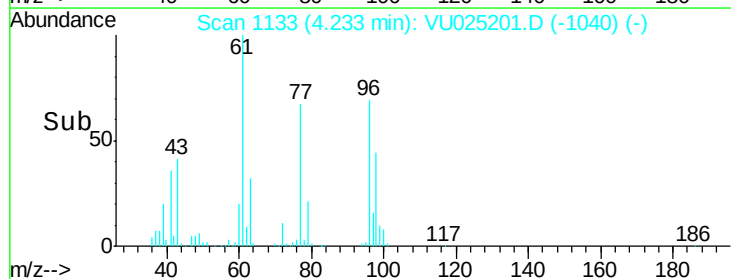
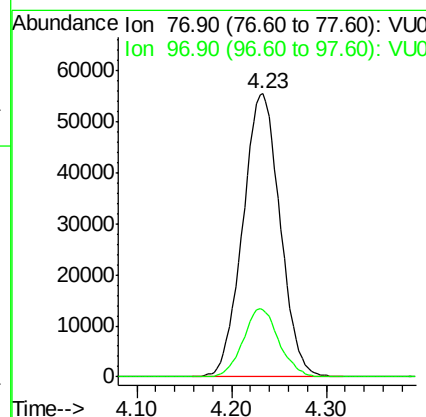
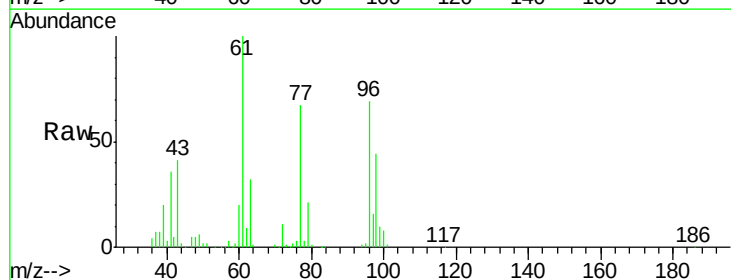
Manual Integrations
APPROVED

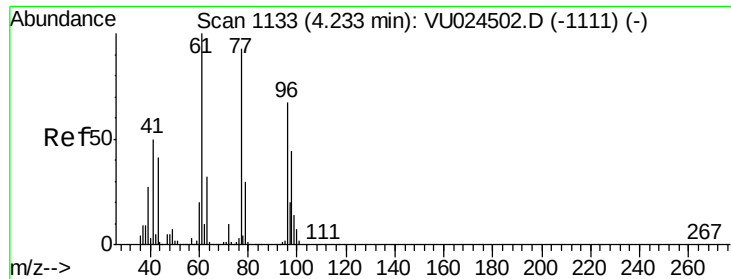
sam
7/5/2018 2:30:45 PM



#26
2,2-Dichloropropane
Concen: 40.164 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion: 77 Resp: 151566
Ion Ratio Lower Upper
77 100
97 23.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 59.440 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

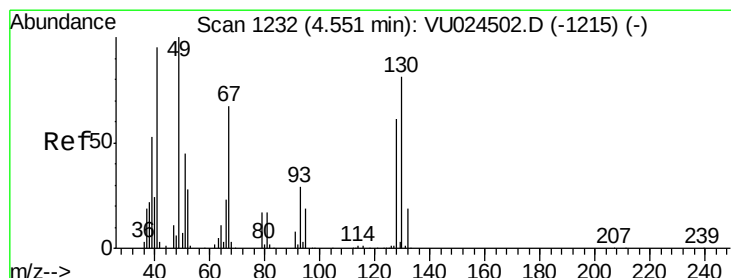
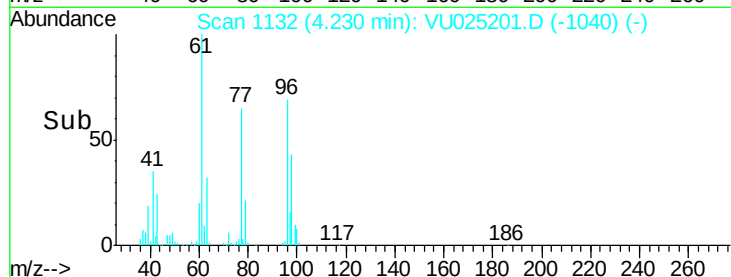
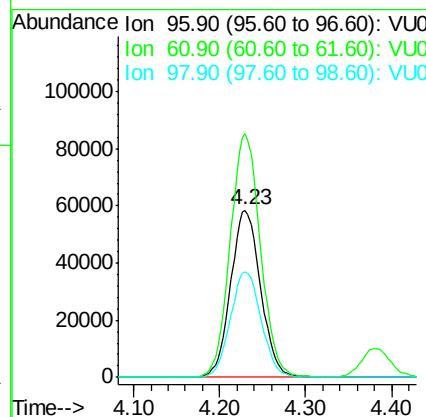
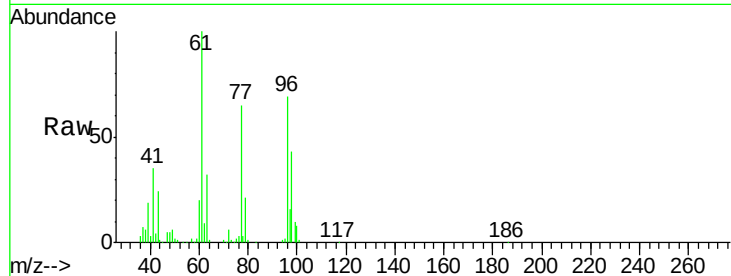
ClientSampleId :

WP021MW011-180627MSD

Tot Ion:	96	Resp:	141266
Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	306.6
98	64.8	0.0	128.8

Manual Integrations
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sam
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#28

Bromochloromethane

Concen: 40.129 ug/l

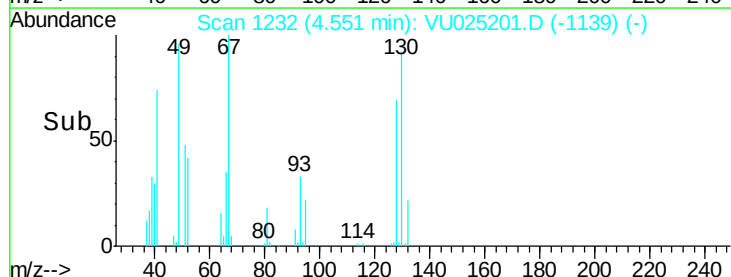
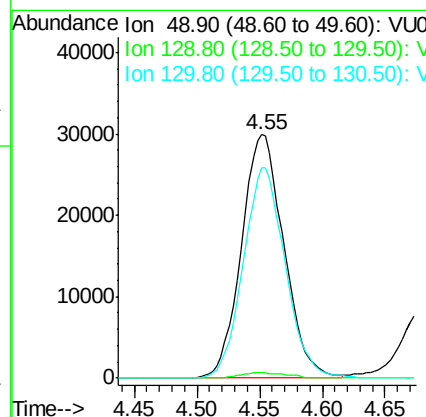
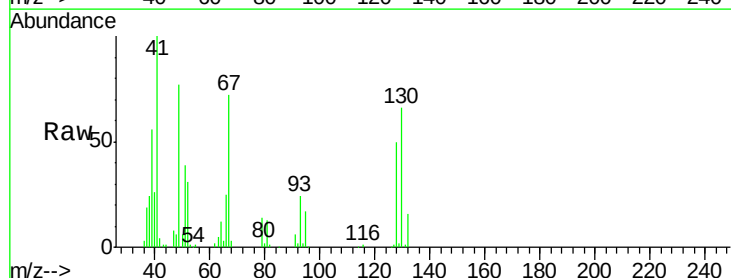
RT: 4.55 min Scan# 1232

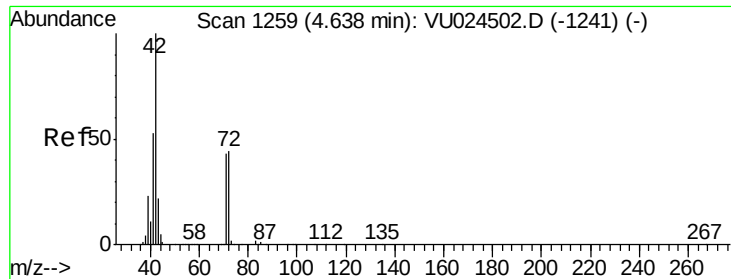
Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Tgt Ion:	49	Resp:	70245
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	3.8
130	85.6	57.8	86.6





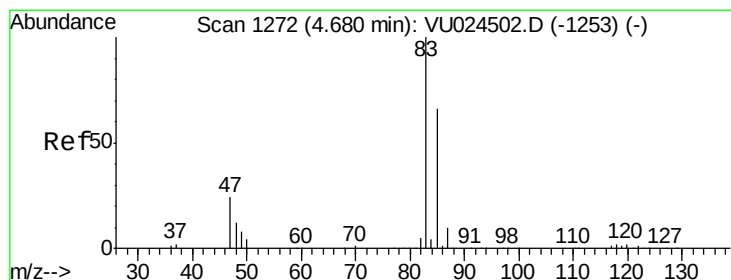
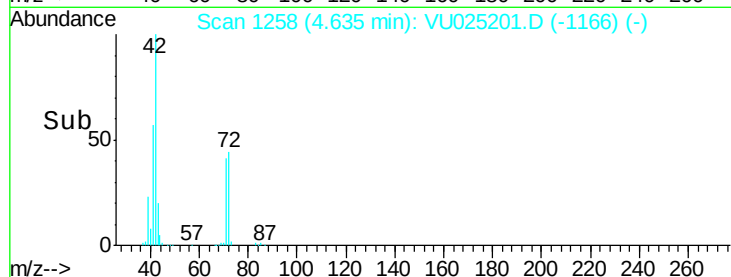
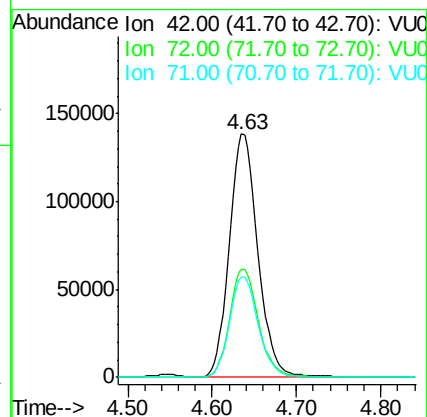
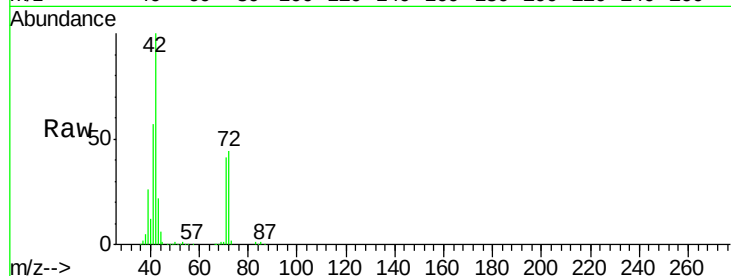
#29
Tetrahydrofuran
Concen: 268.524 ug/l
RT: 4.63 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	34.5	51.7
71	41.9	32.2	48.4

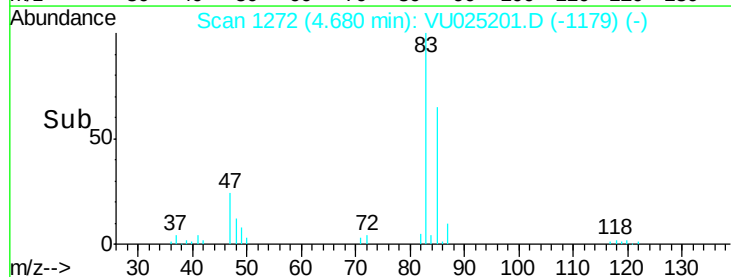
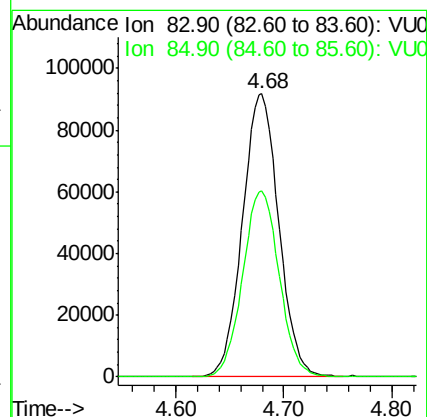
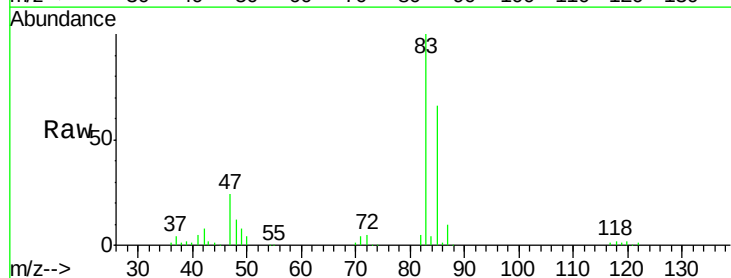
Manual Integrations
APPROVED

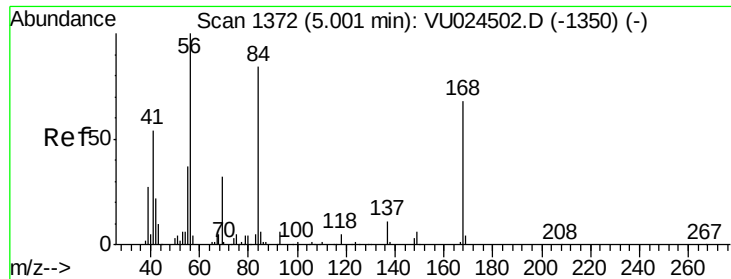
sam
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#30
Chloroform
Concen: 53.428 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.4	78.6





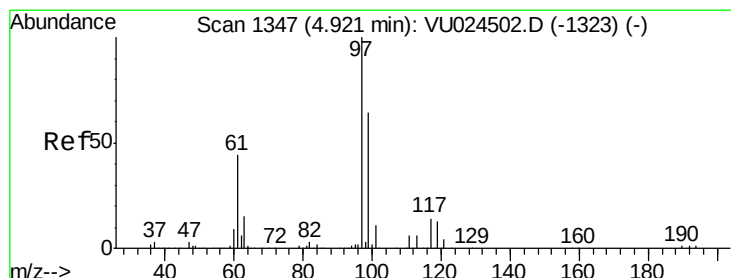
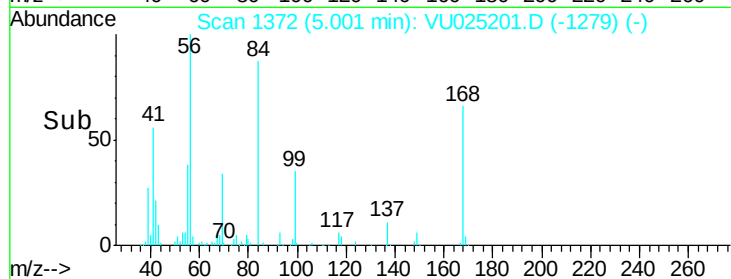
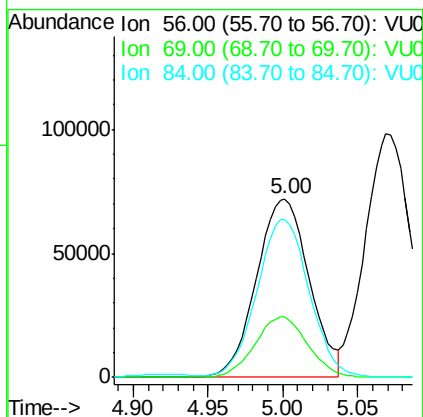
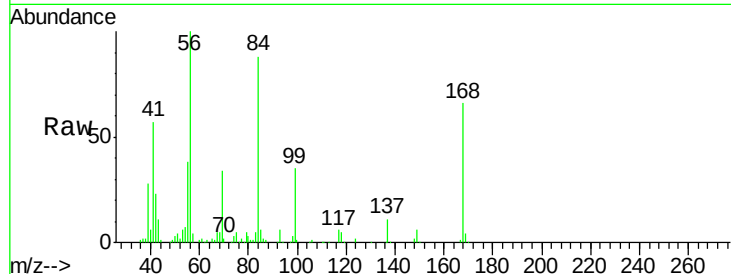
#31
Cyclohexane
Concen: 50.026 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	24.8	37.2
84	87.3	65.2	97.8

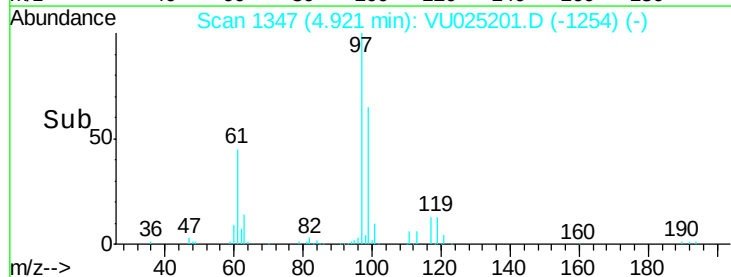
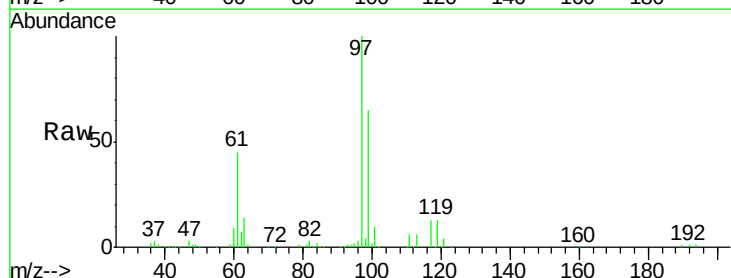
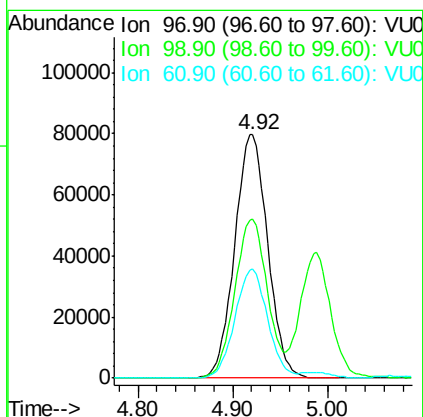
Manual Integrations
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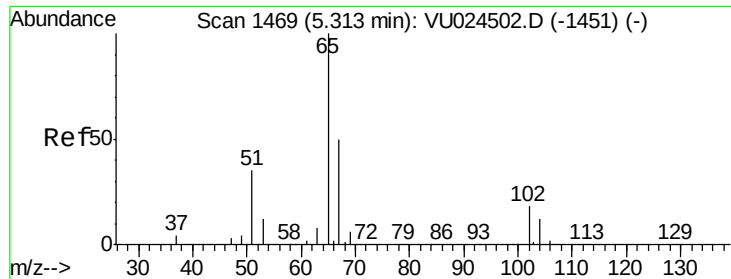
sam
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#32
1,1,1-Trichloroethane
Concen: 51.914 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.0	76.6
61	44.3	39.4	59.0





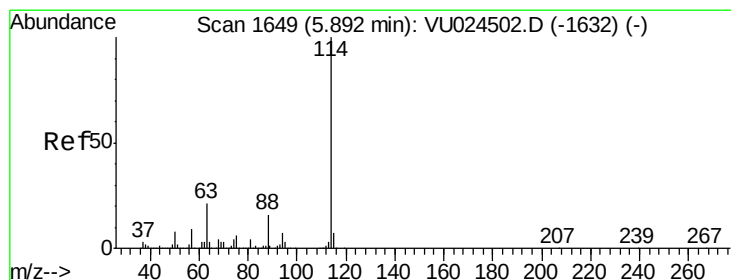
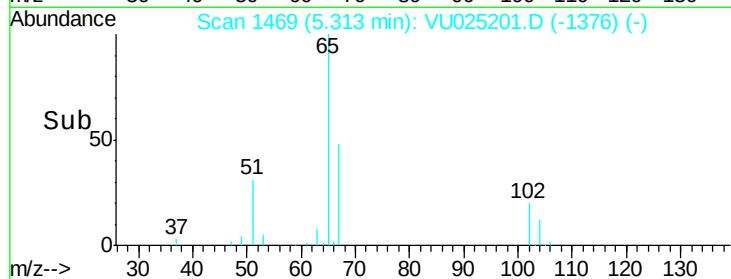
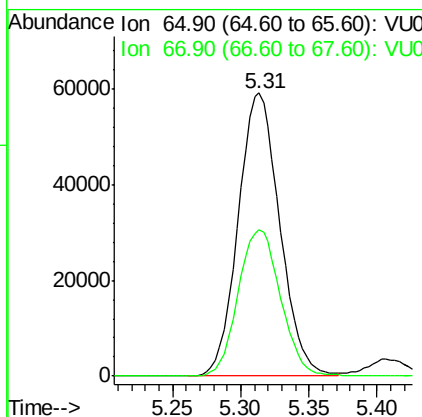
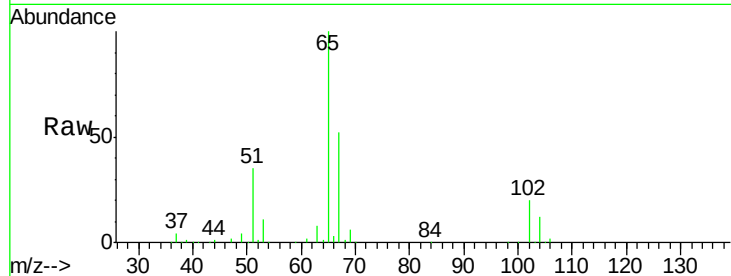
#33
 1,2-Dichloroethane-d4
 Concen: 46.468 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.0

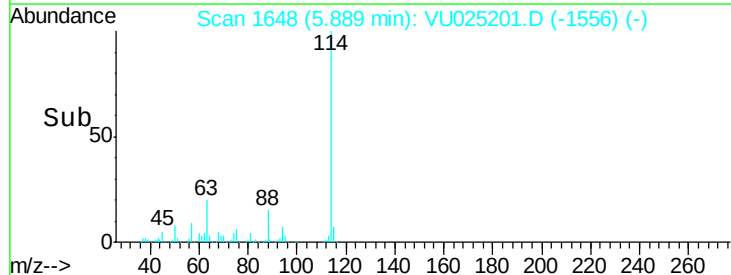
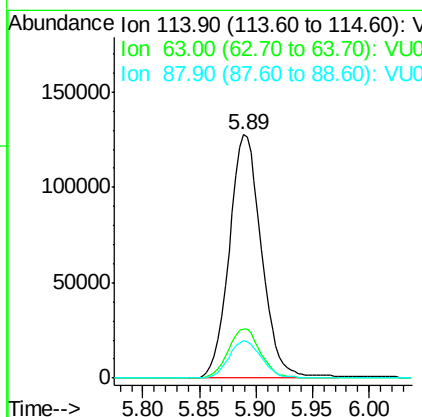
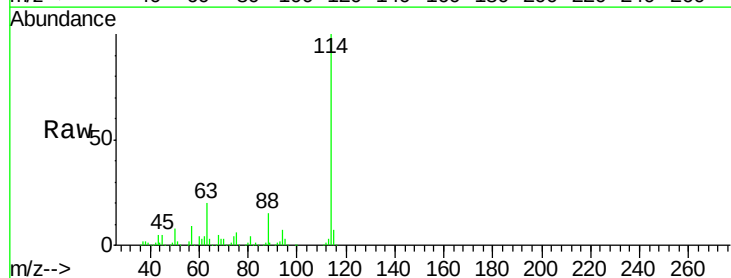
Manual Integrations
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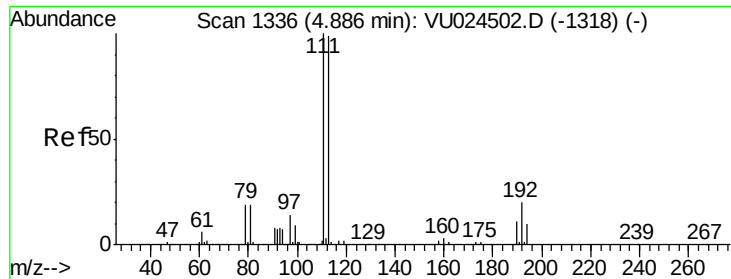
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	45.4
88	15.3	0.0	31.0





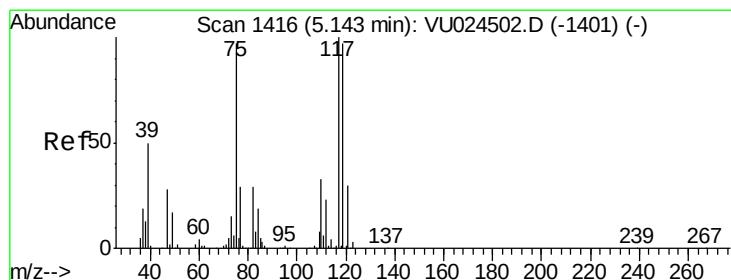
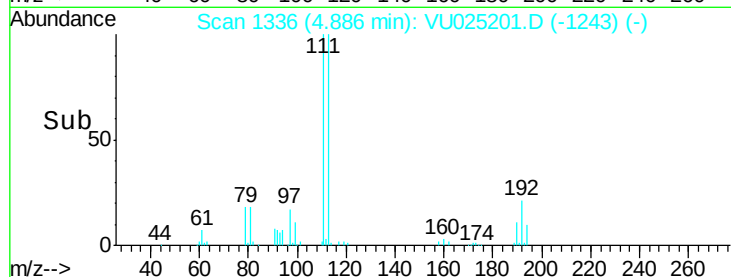
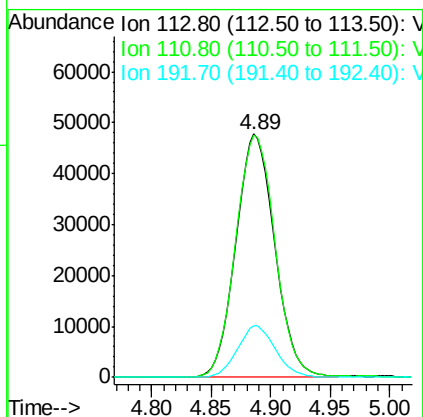
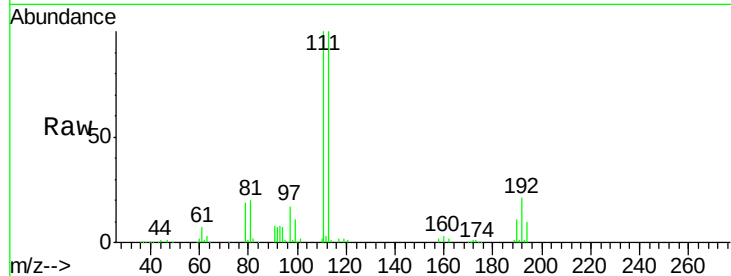
#35
 Dibromofluoromethane
 Concen: 51.251 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.2	123.4
192	20.6	16.2	24.4

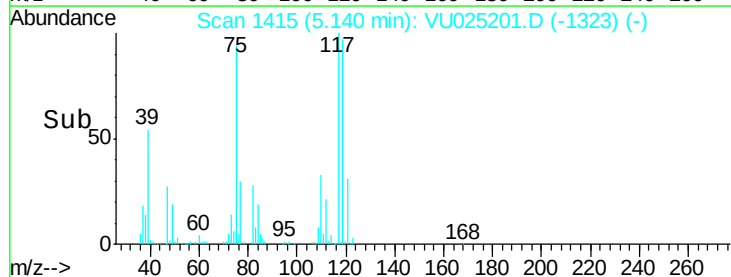
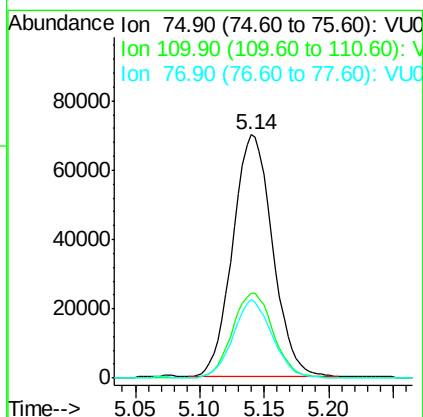
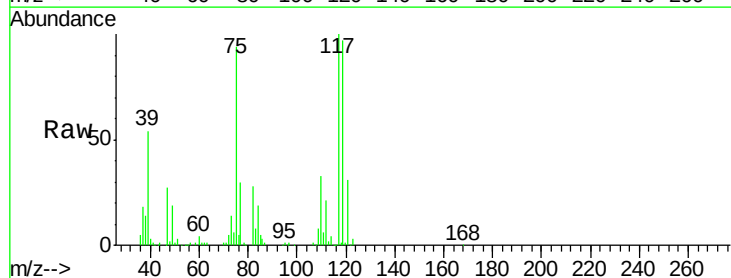
Manual Integrations
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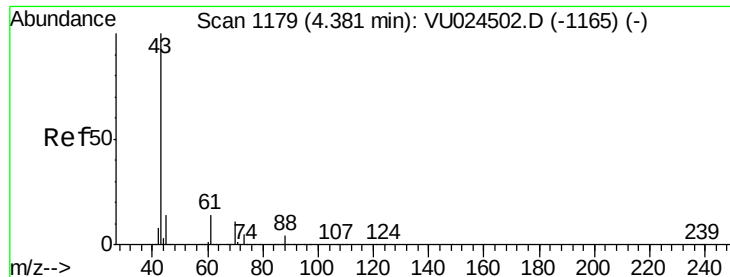
sam
 7/5/2018 2:30:45 PM



#36
 1,1-Dichloropropene
 Concen: 50.452 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.0	50.9
77	31.0	24.2	36.4





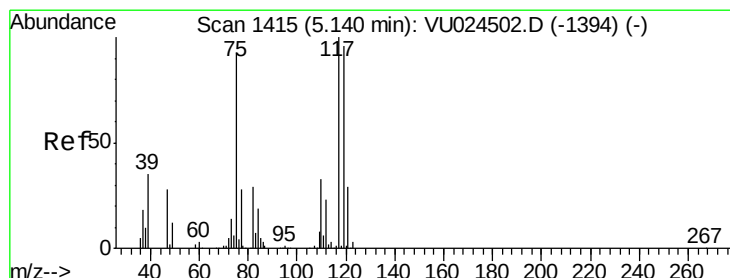
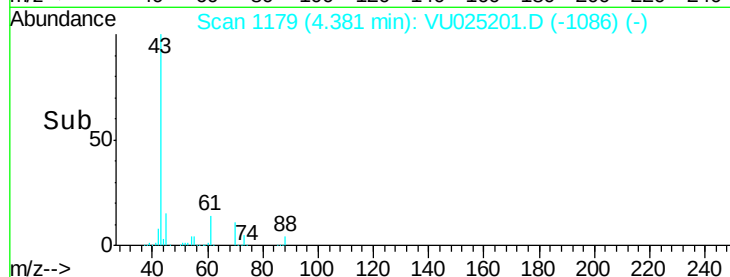
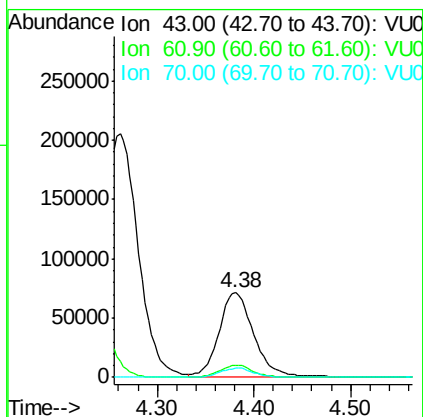
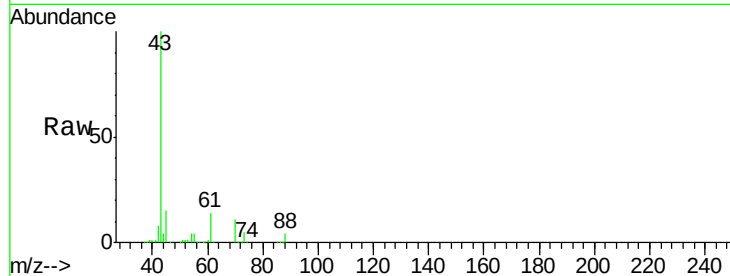
#37
Ethyl Acetate
Concen: 54.009 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	10.4	7.4	11.2

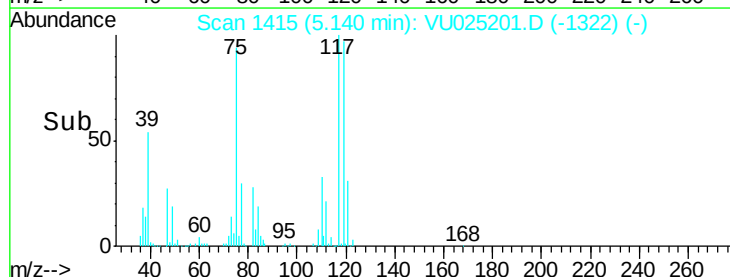
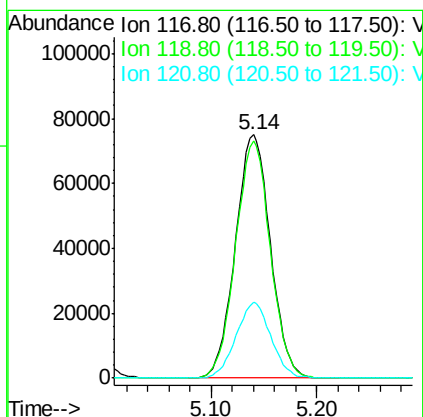
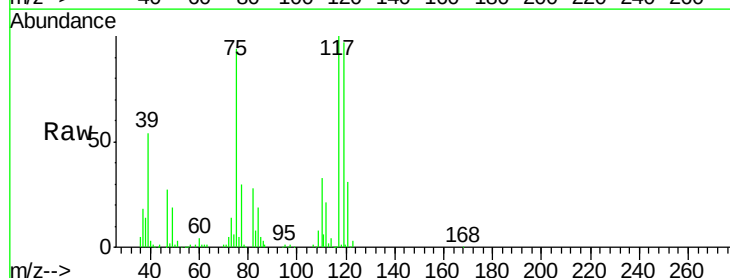
Manual Integrations
APPROVED

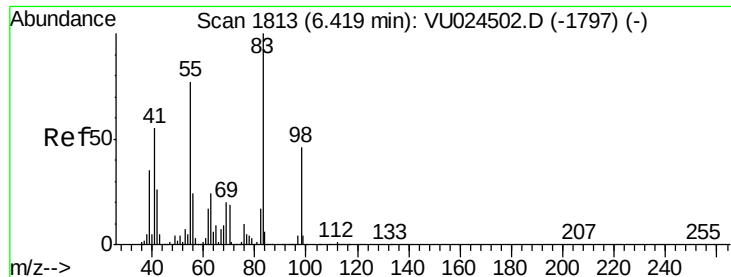
sam
7/5/2018 2:30:45 PM



#38
Carbon Tetrachloride
Concen: 52.706 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.1	114.1
121	30.9	23.7	35.5





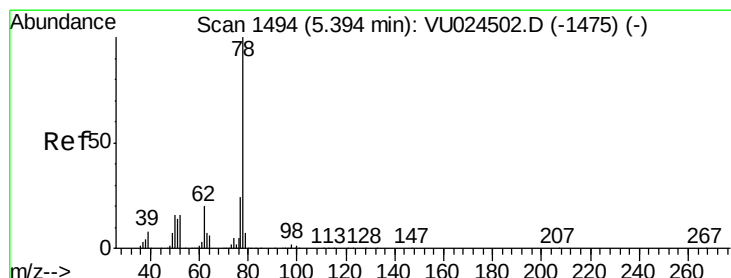
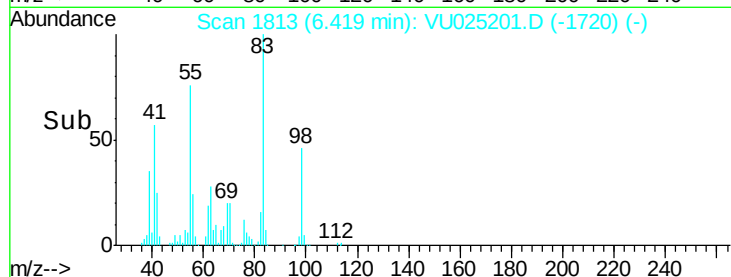
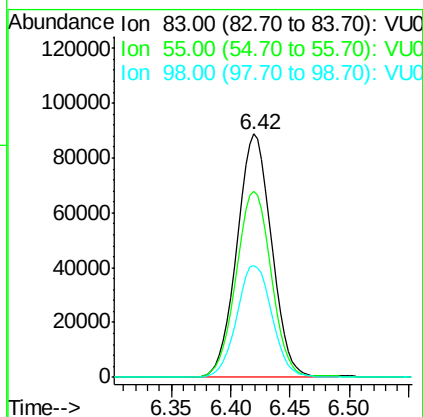
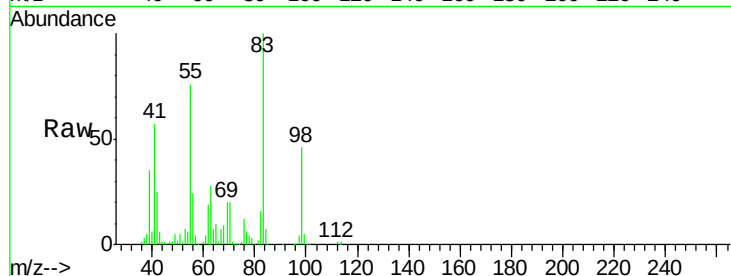
#39
Methylvlcyclohexane
Concen: 48.144 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	65.8	98.6
98	45.9	36.7	55.1

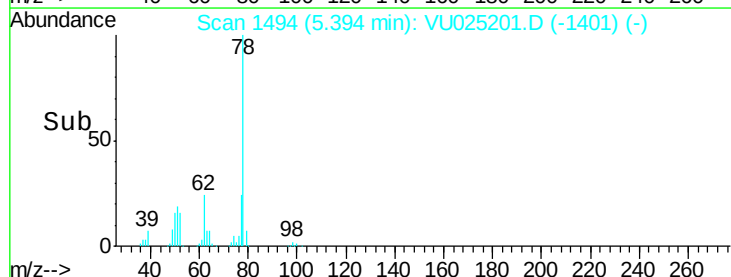
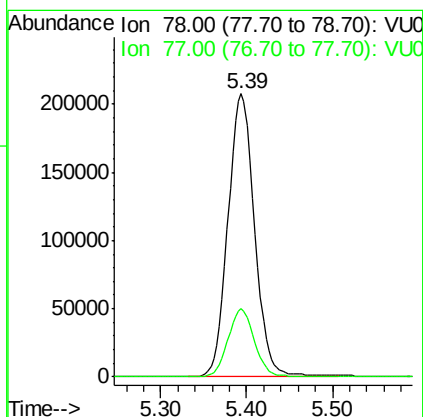
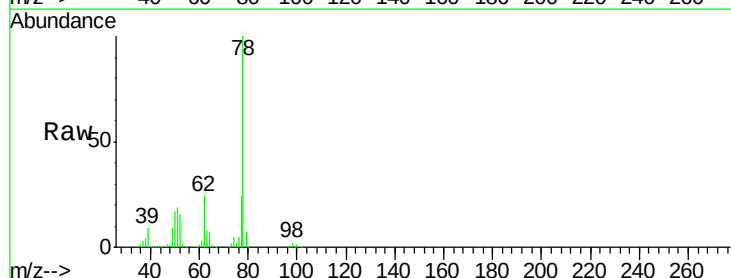
Manual Integrations
APPROVED

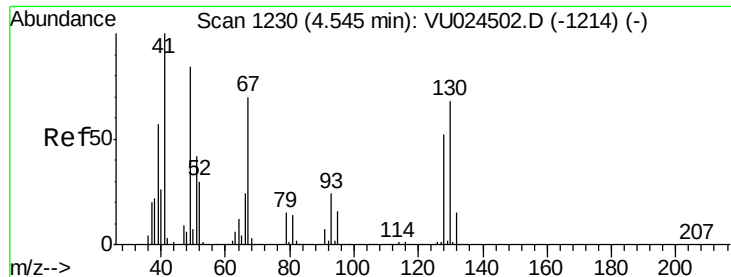
Sam
7/5/2018 2:30:45 PM



#40
Benzene
Concen: 52.528 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





#41

Methacrylonitrile

Concen: 58.611 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

Tot Ion: 41 Resp: 102832

Ion Ratio Lower Upper

41 100

39 56.2 43.8 65.6

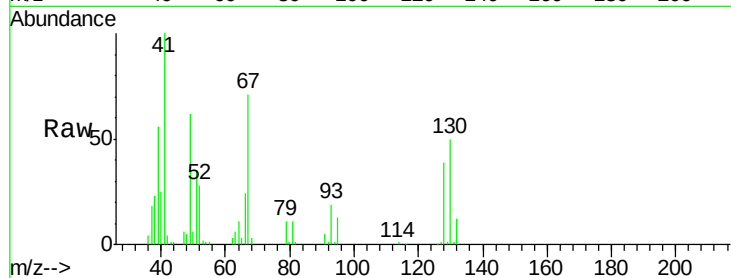
67 70.6 56.3 84.5

52 30.6 23.2 34.8

Manual Integrations
APPROVED

sam

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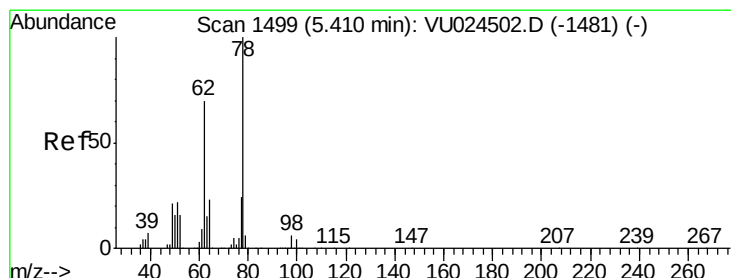
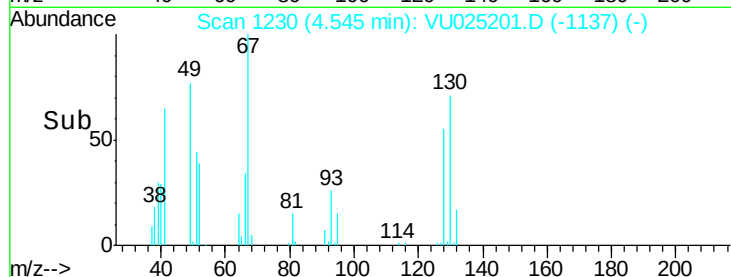
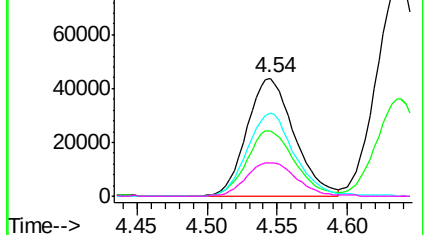


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 57.431 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU025201.D

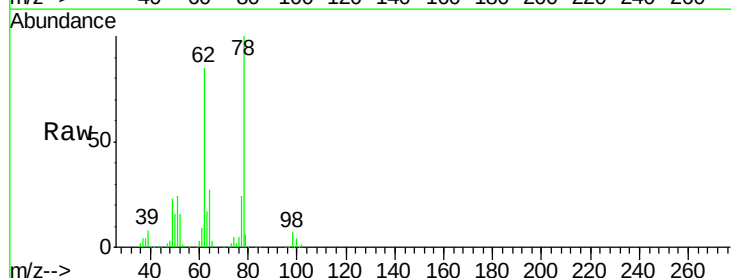
Acq: 03 Jul 2018 20:04

Tgt Ion: 62 Resp: 186082

Ion Ratio Lower Upper

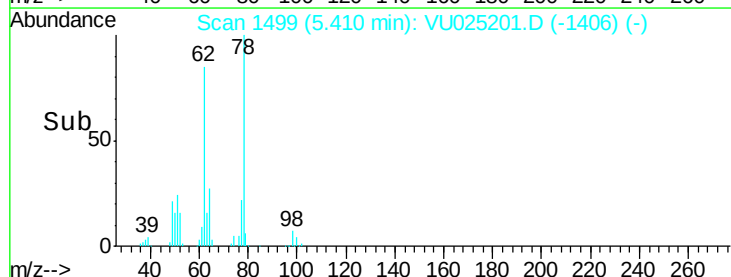
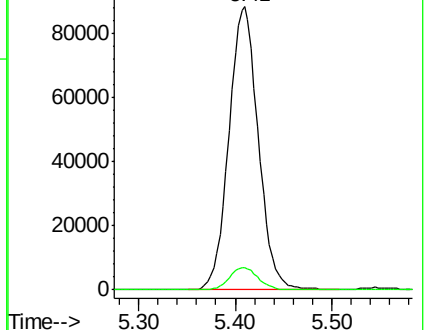
62 100

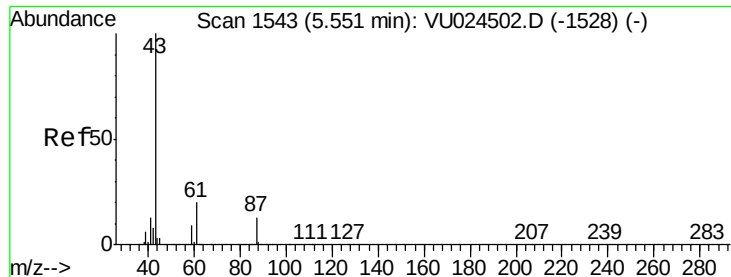
98 7.7 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





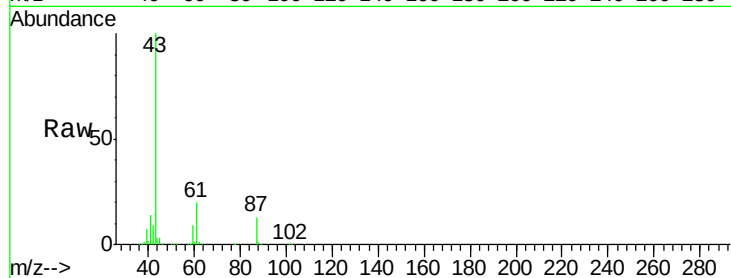
#43
Isopropyl Acetate
Concen: 50.443 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

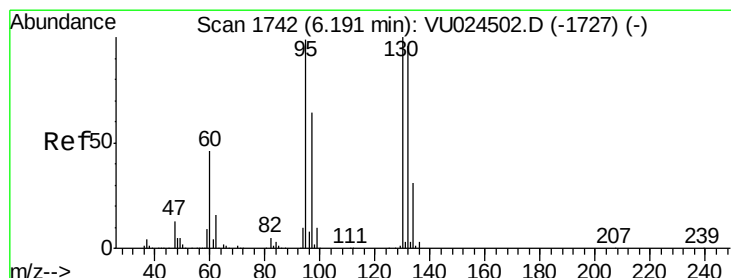
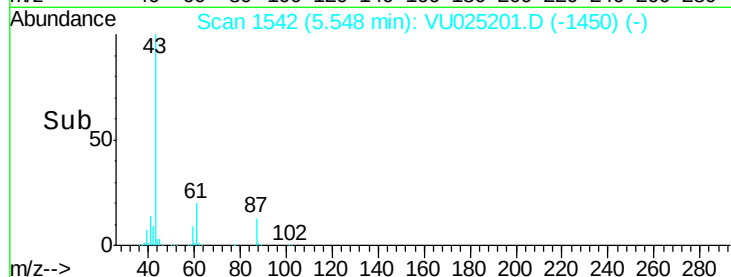
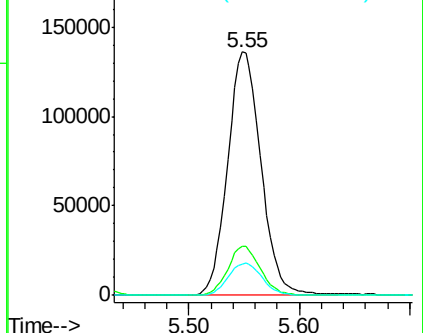
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.4	23.0
87	13.3	10.0	15.0

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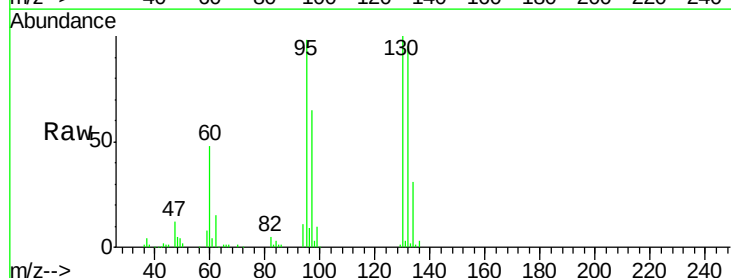


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

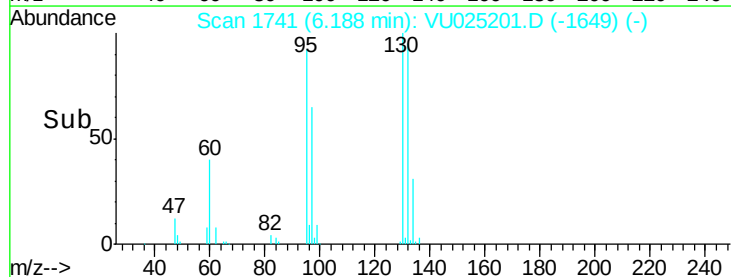
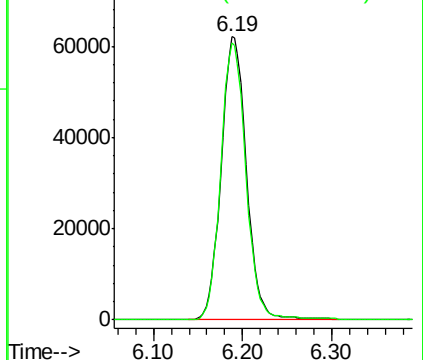


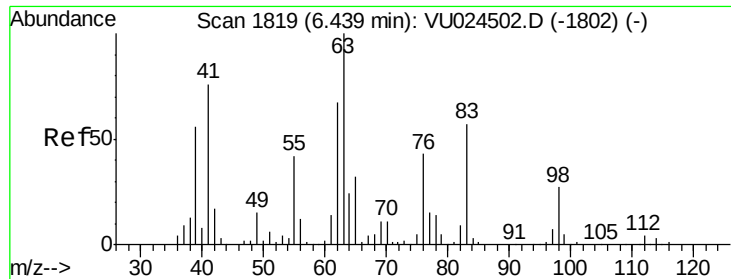
#44
Trichloroethene
Concen: 50.410 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	202.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0





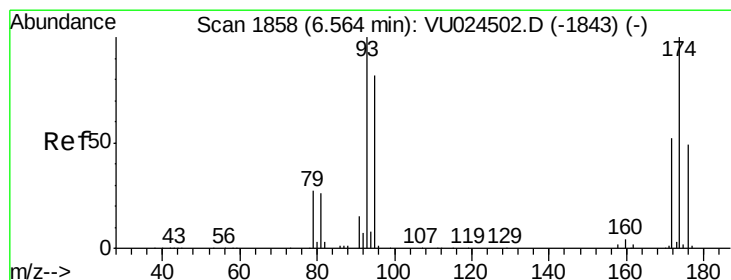
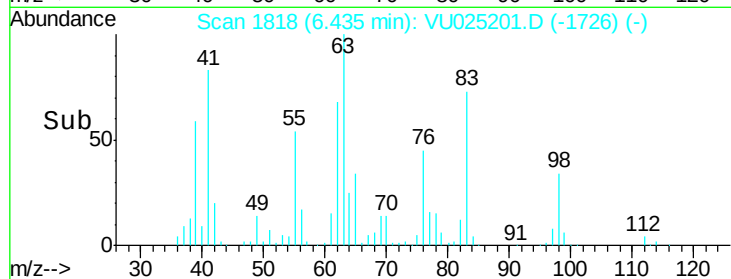
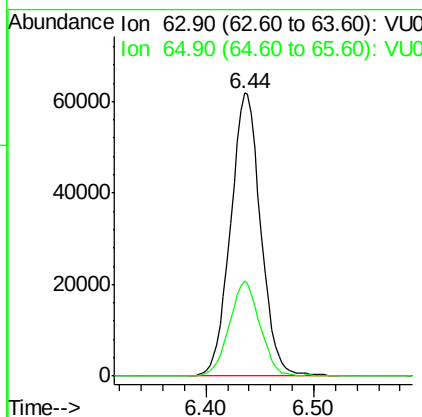
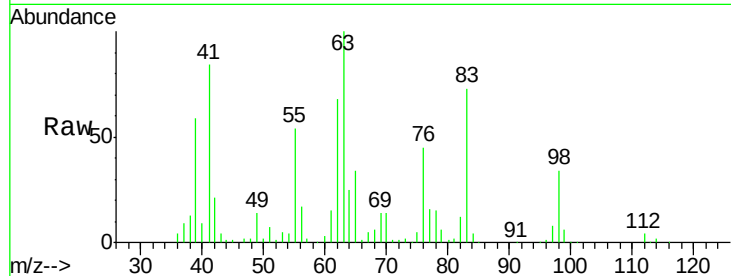
#45
 1,2-Dichloropropane
 Concen: 53.087 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion: 63 Resp: 120505
 Ion Ratio Lower Upper
 63 100
 65 33.5 24.8 37.2

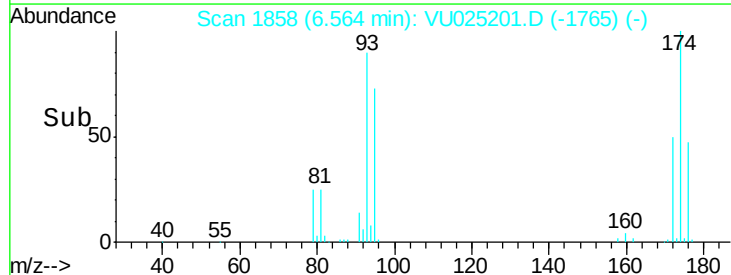
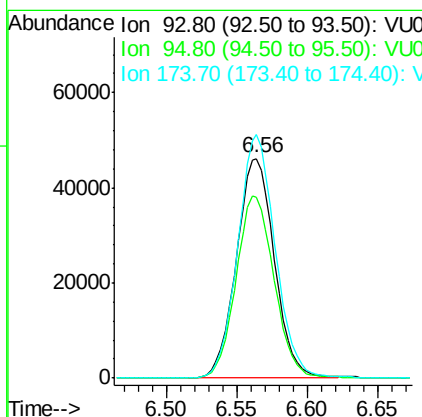
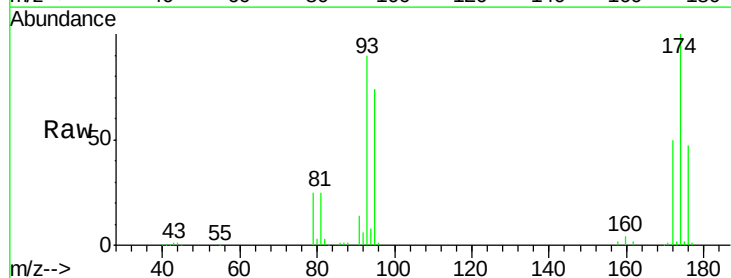
Manual Integrations
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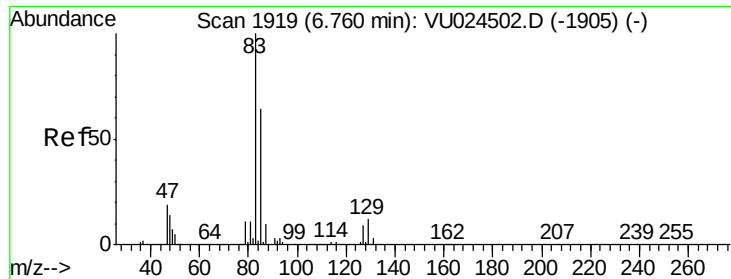
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#46
 Dibromomethane
 Concen: 54.620 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion: 93 Resp: 87087
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.5 98.3
 174 109.4 78.7 118.1





#47

Bromodichloromethane

Concen: 52.600 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

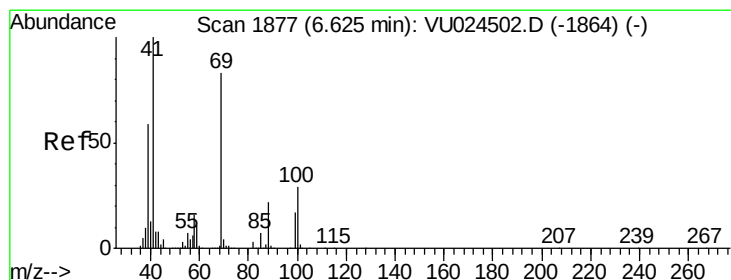
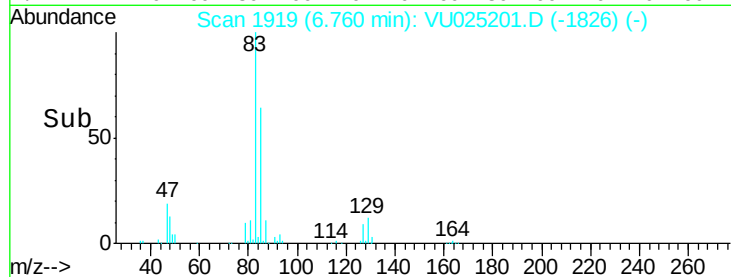
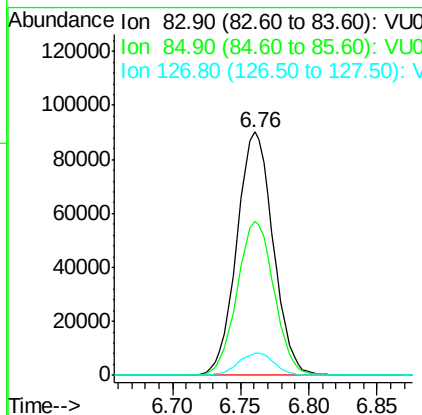
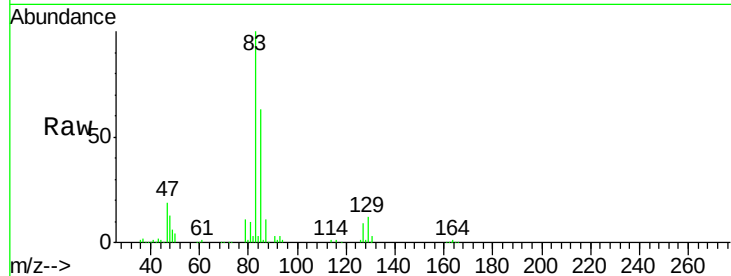
ClientSampleId :

WP021MW011-180627MSD

Tot Ion:	83	Resp:	167005
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.9	77.9
127	8.9	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.322 ug/l

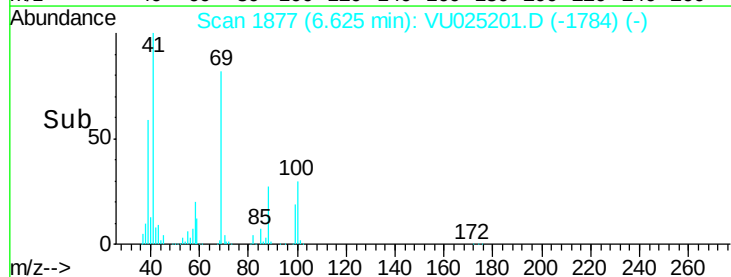
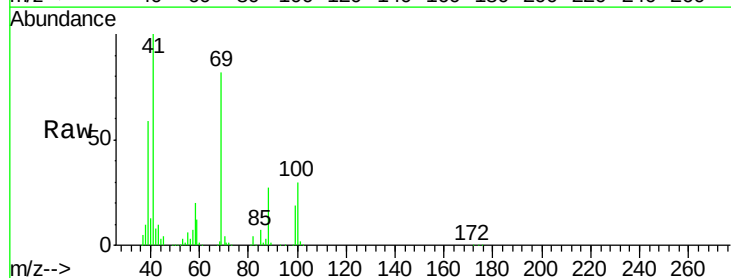
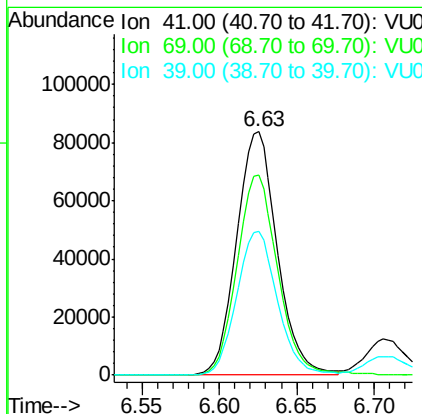
RT: 6.63 min Scan# 1877

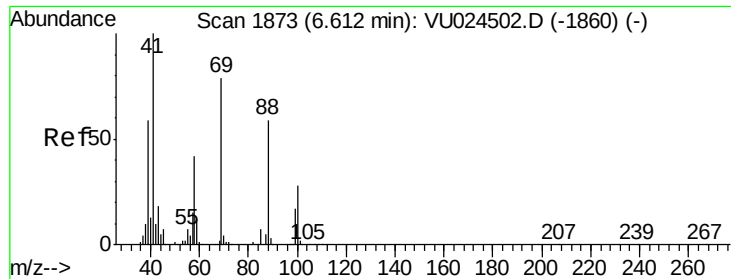
Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Tgt Ion:	41	Resp:	151524
Ion	Ratio	Lower	Upper
41	100		
69	83.4	67.3	100.9
39	59.8	46.5	69.7





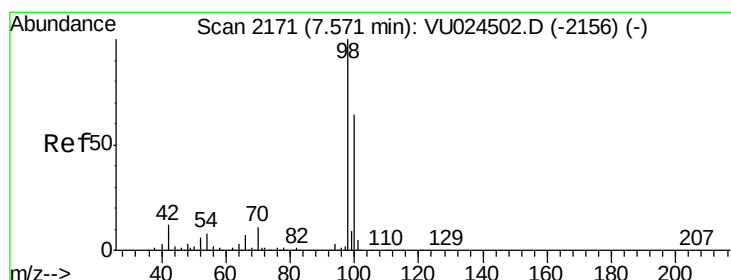
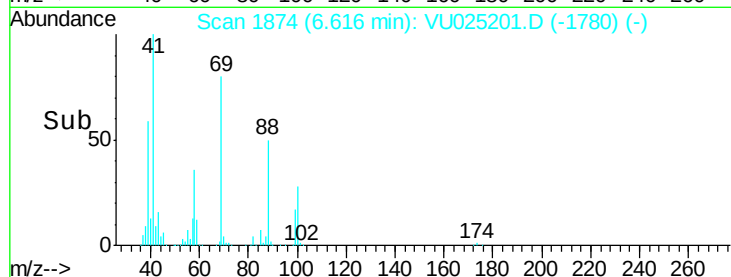
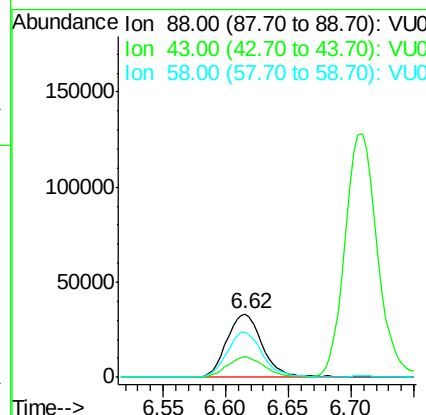
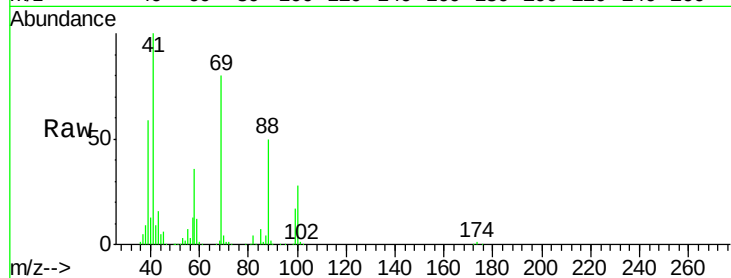
#49
1,4-Dioxane
Concen: 1187.545 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	28.6	42.8
58	74.0	58.2	87.4

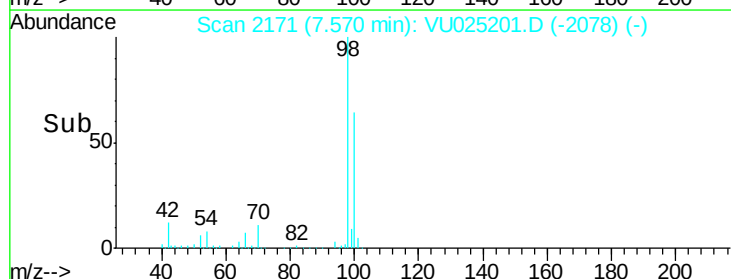
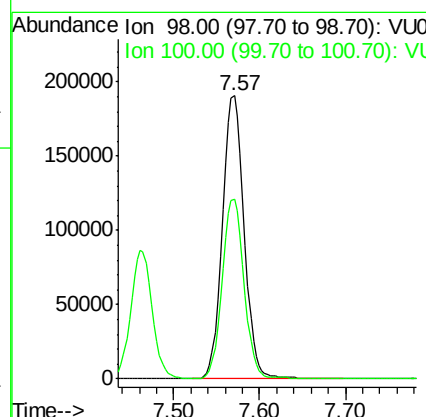
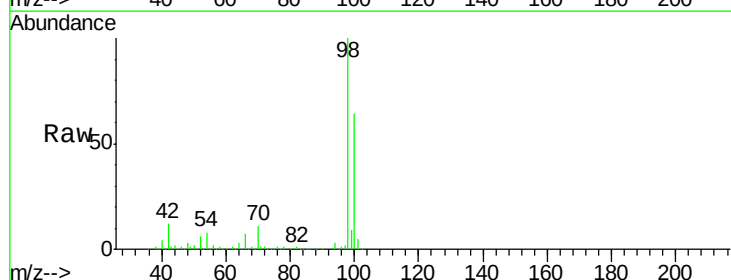
Manual Integrations
APPROVED

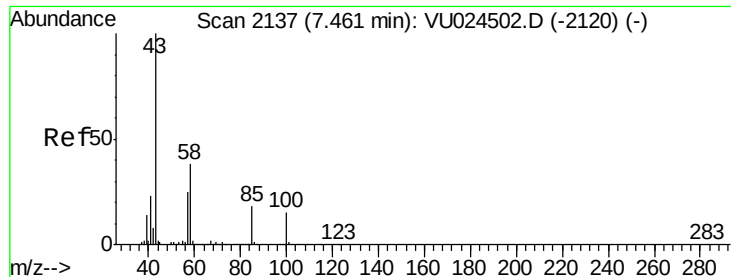
sam
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#50
Toluene-d8
Concen: 43.695 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 274.254 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

Tot Ion: 43 Resp: 969155

Ion Ratio Lower Upper

43 100

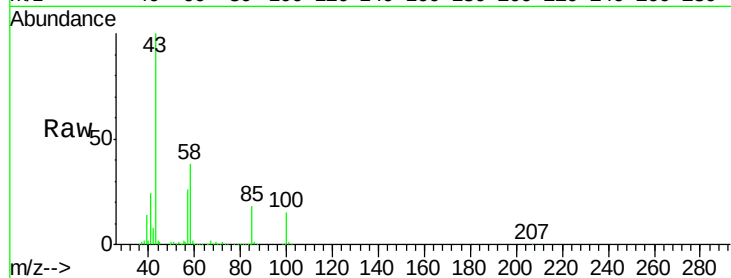
58 38.6 30.0 45.0

Manual Integrations

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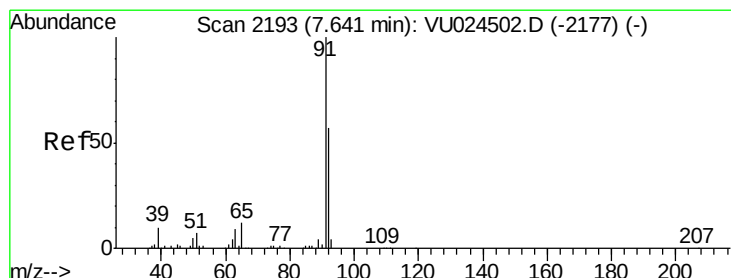
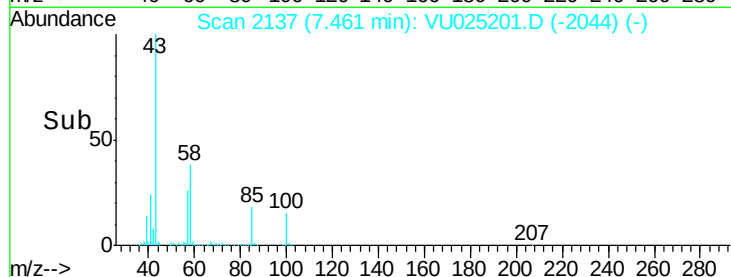
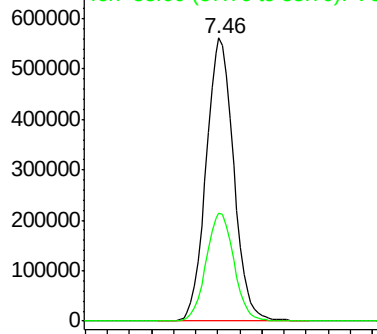
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 52.815 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025201.D

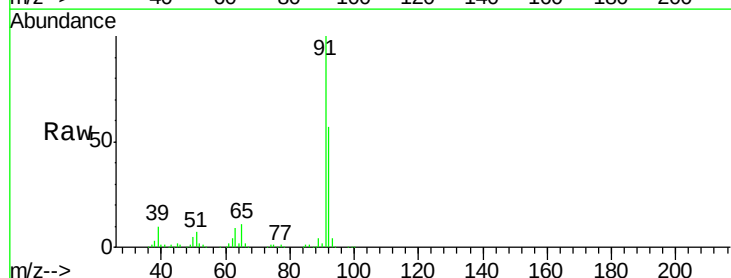
Acq: 03 Jul 2018 20:04

Tgt Ion: 92 Resp: 289073

Ion Ratio Lower Upper

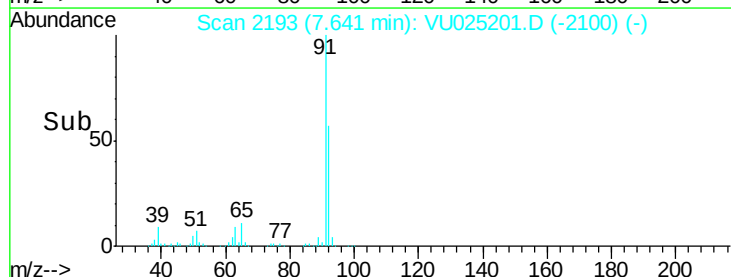
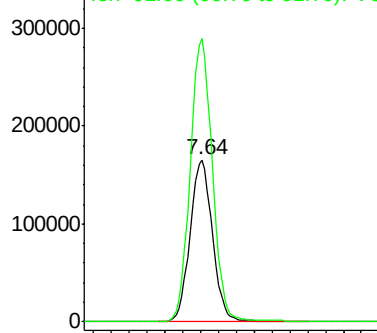
92 100

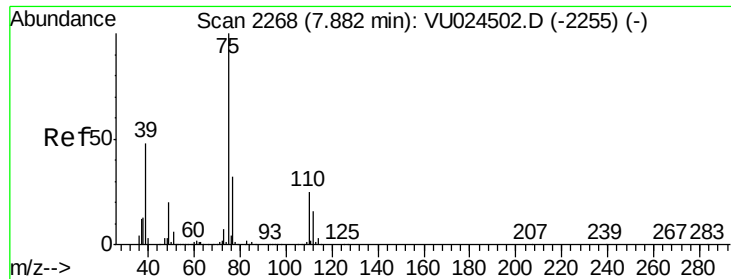
91 171.6 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





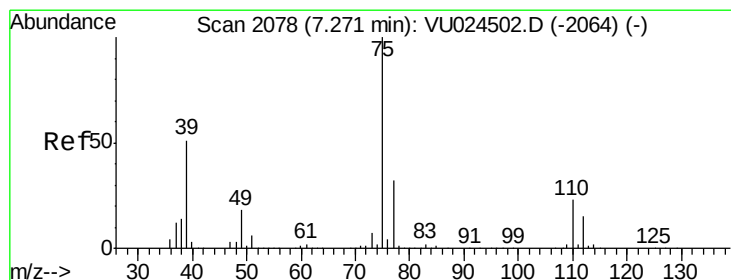
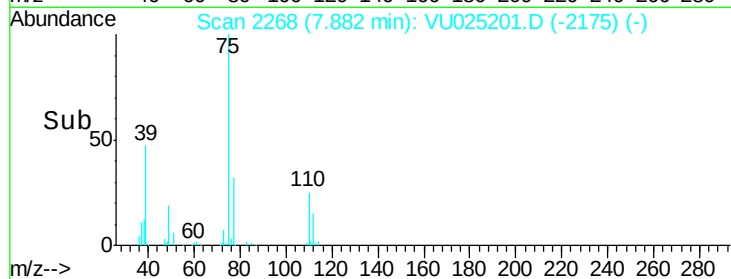
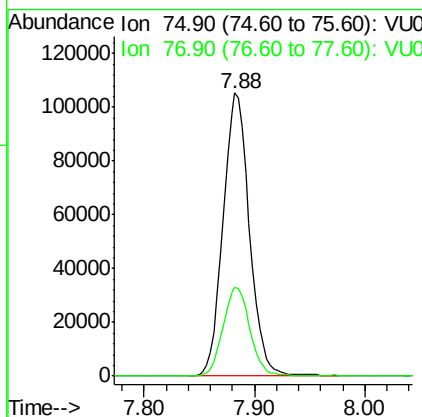
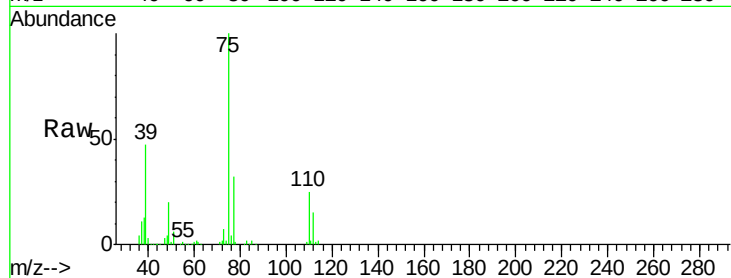
#53
t-1,3-Dichloropropene
Concen: 48.977 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2

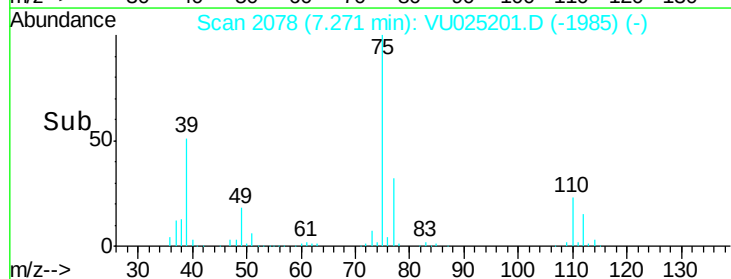
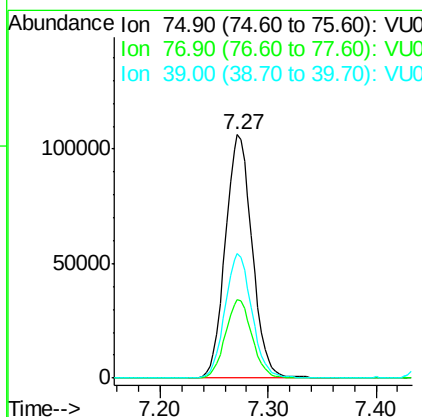
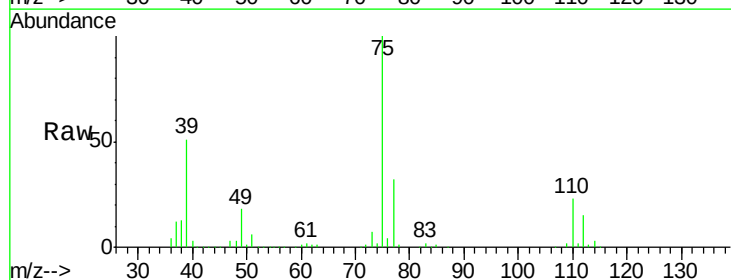
Manual Integrations
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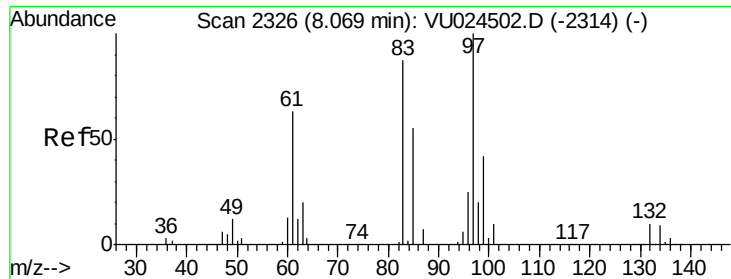
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#54
cis-1,3-Dichloropropene
Concen: 48.460 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.6	36.8
39	51.1	39.8	59.6





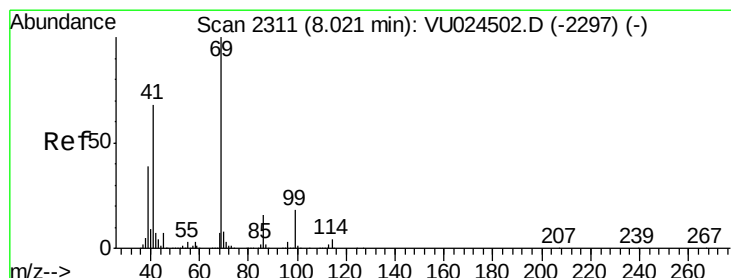
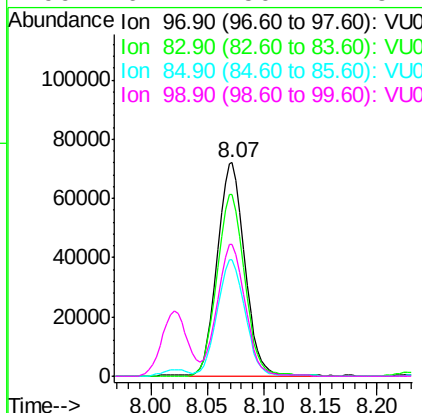
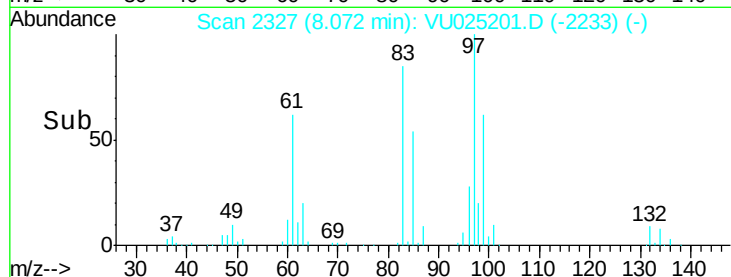
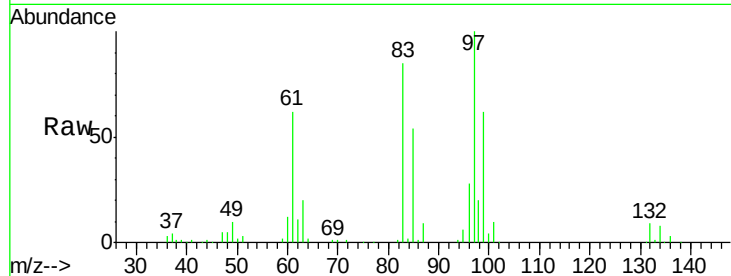
#55
 1,1,2-Trichloroethane
 Concen: 54.440 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion:	97	Resp:	121119
Ion	Ratio	Lower	Upper
97	100		
83	85.0	70.5	105.7
85	54.3	46.4	69.6
99	61.7	50.2	75.2

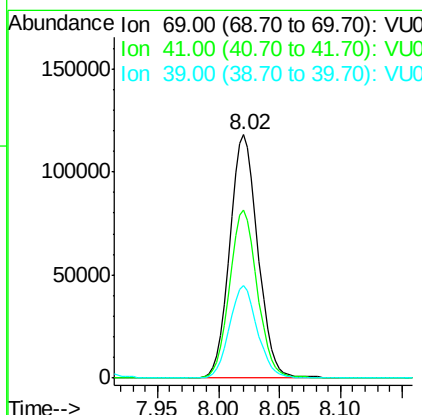
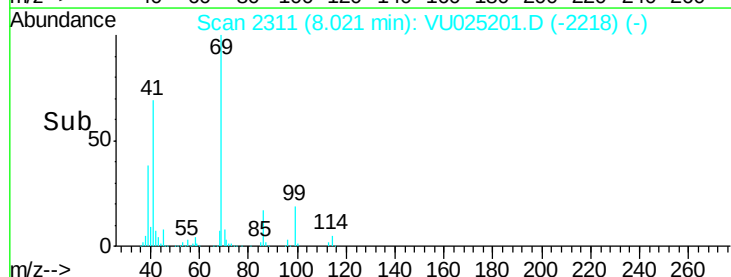
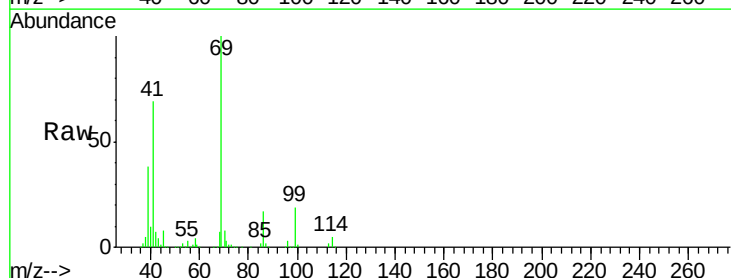
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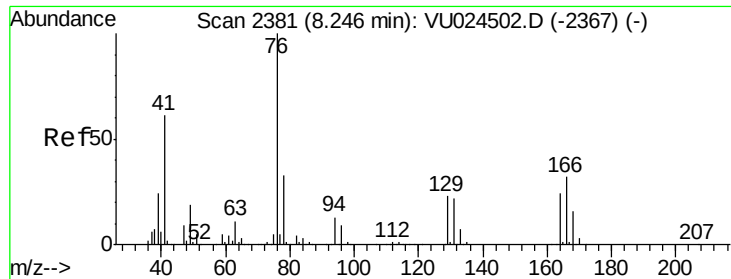
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#56
 Ethyl methacrylate
 Concen: 51.128 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion:	69	Resp:	190389
Ion	Ratio	Lower	Upper
69	100		
41	68.1	54.1	81.1
39	37.2	30.3	45.5





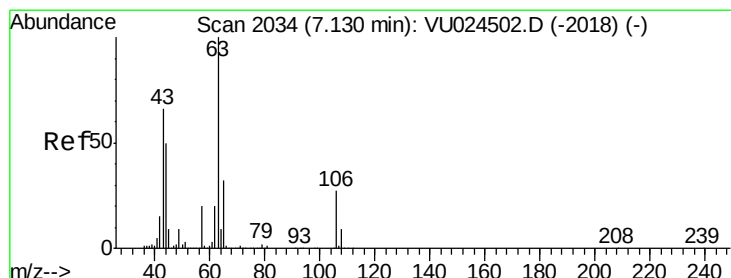
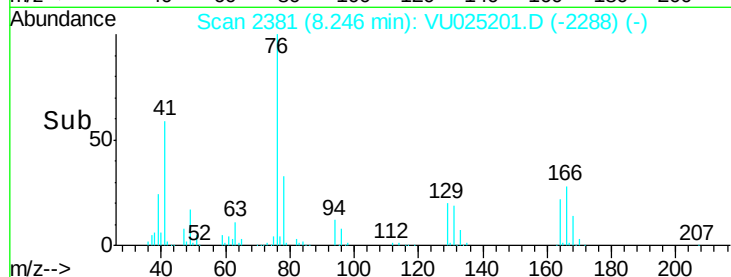
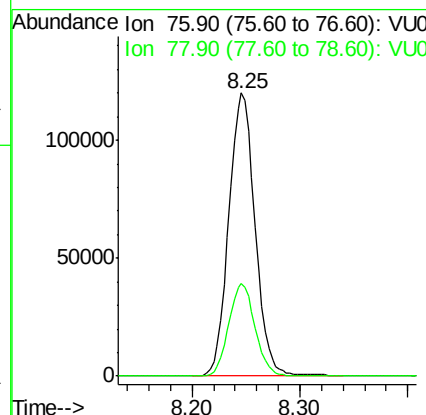
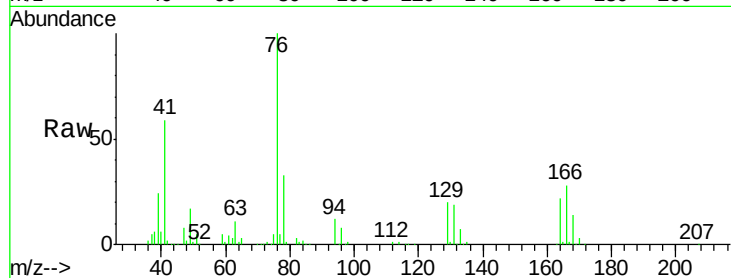
#57
 1,3-Dichloropropane
 Concen: 54.501 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion: 76 Resp: 204549
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.2 37.8

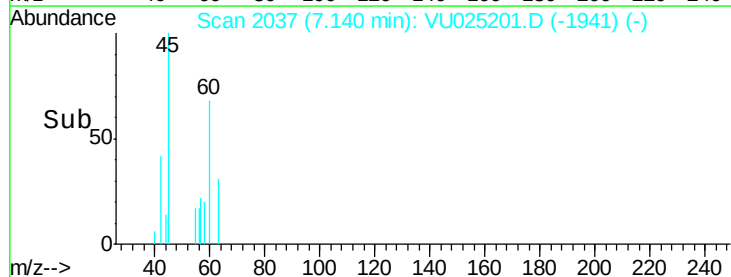
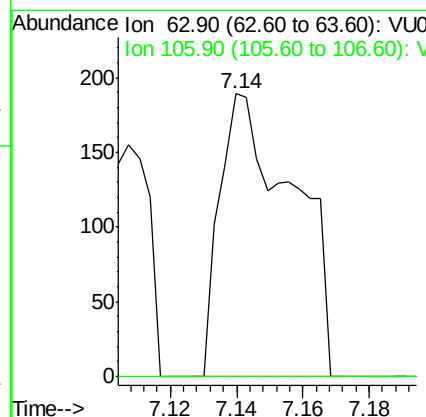
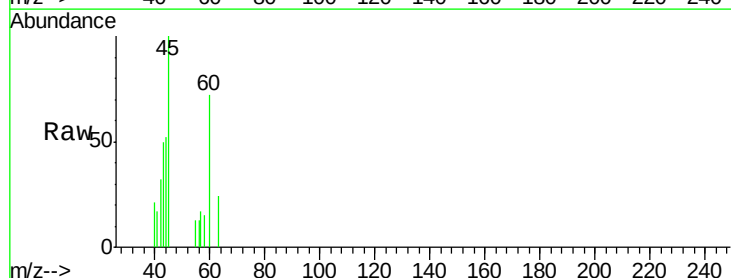
Manual Integrations
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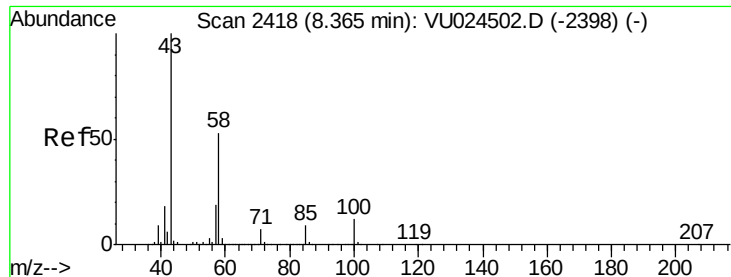
sam
 7/5/2018 2:30:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.204 ug/l
 RT: 7.14 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion: 63 Resp: 291
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.2 30.2#





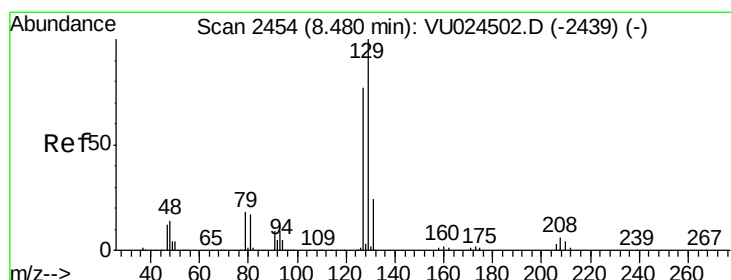
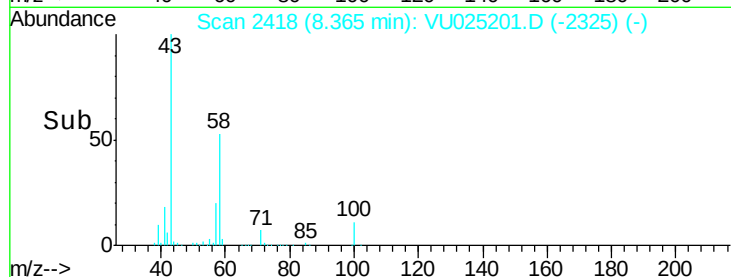
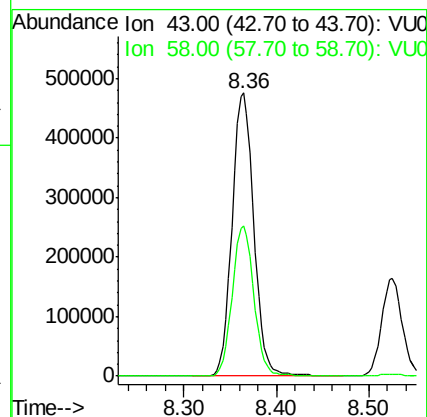
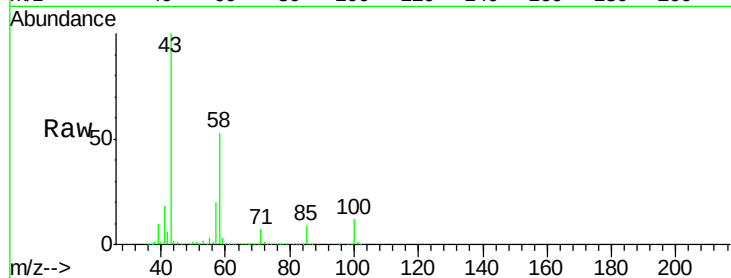
#59
2-Hexanone
Concen: 268.439 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.4	79.0

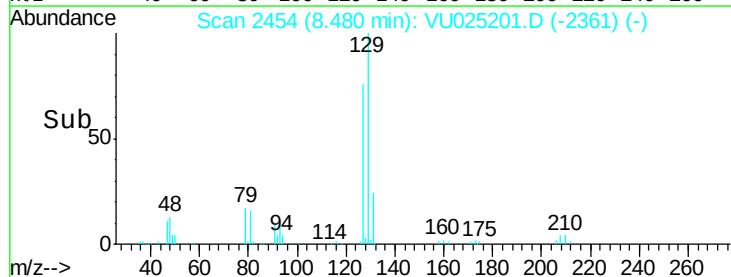
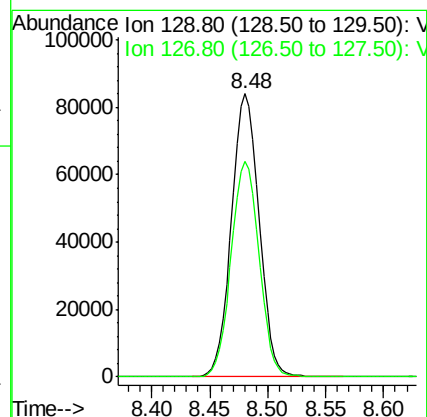
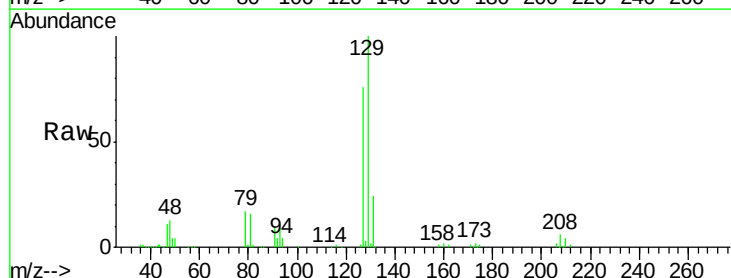
Manual Integrations
APPROVED

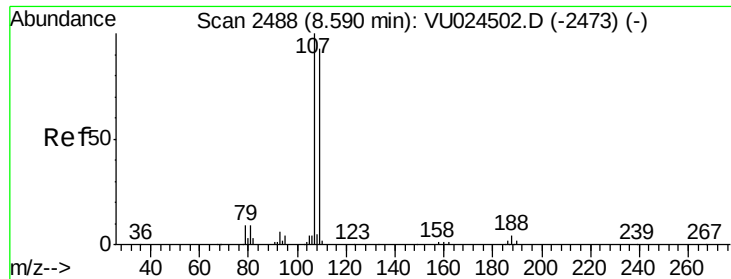
sam
7/5/2018 2:30:45 PM



#60
Dibromochloromethane
Concen: 50.213 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	116.0





#61

1,2-Dibromoethane

Concen: 53.259 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

Tot Ion:107 Resp: 131884

Ion Ratio Lower Upper

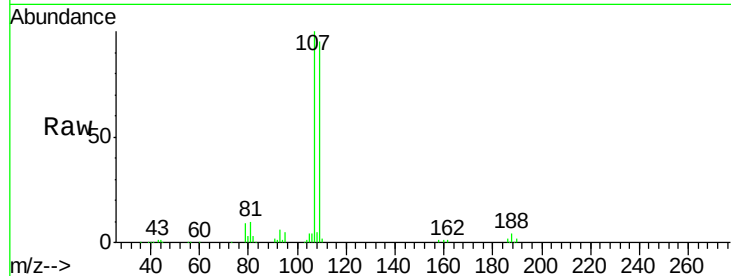
107 100

109 95.5 74.5 111.7

Manual Integrations
APPROVED

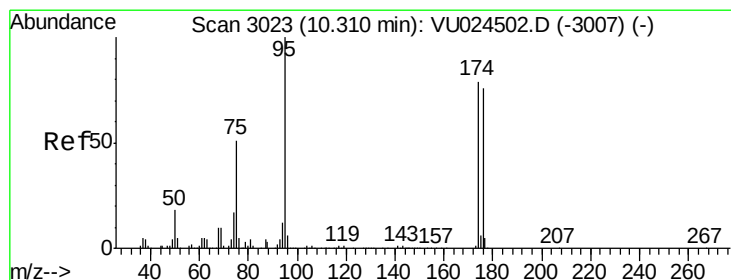
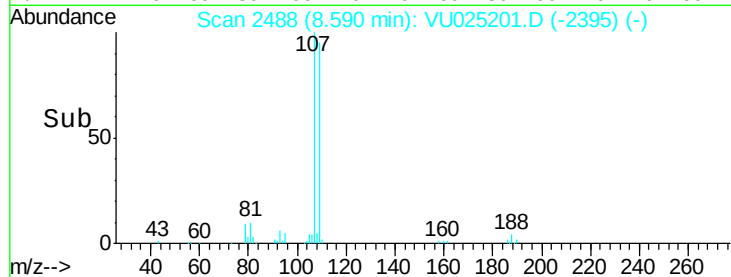
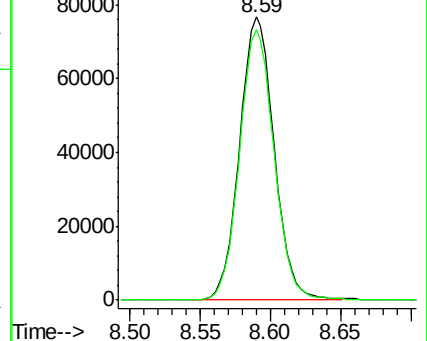
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.353 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

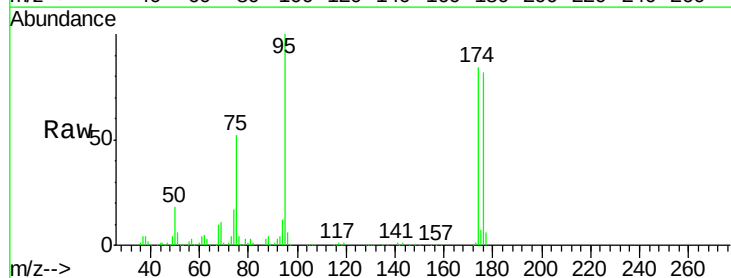
Tgt Ion: 95 Resp: 144607

Ion Ratio Lower Upper

95 100

174 86.7 0.0 165.8

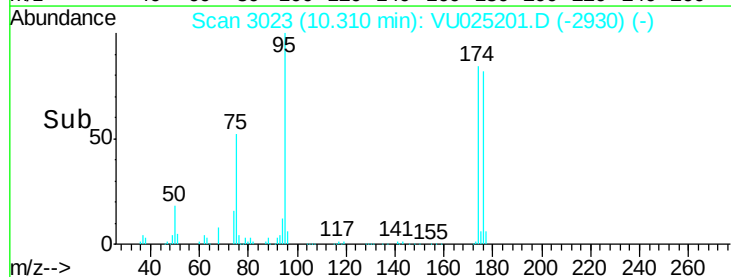
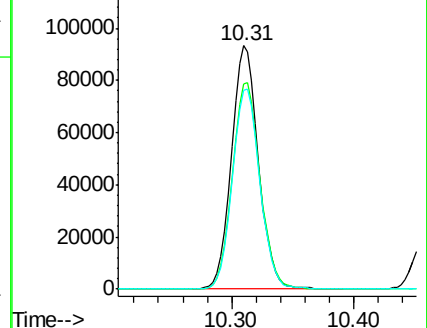
176 83.8 0.0 159.4

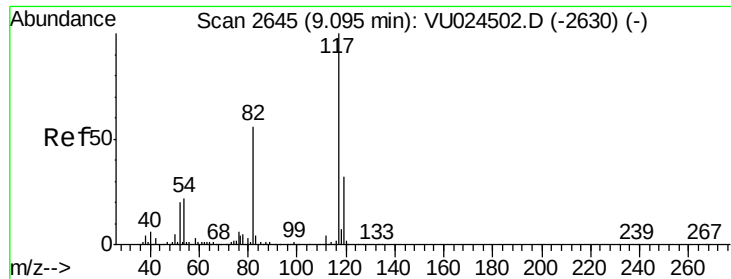


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





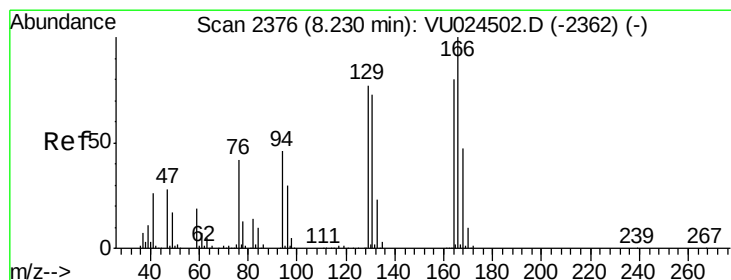
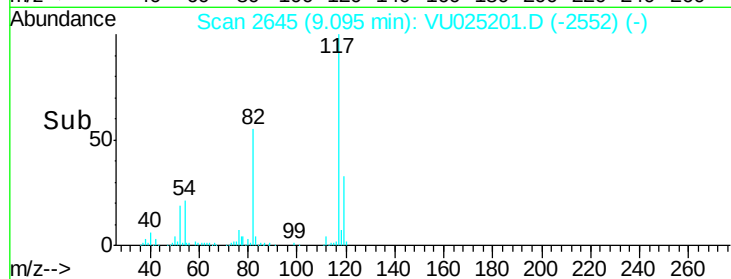
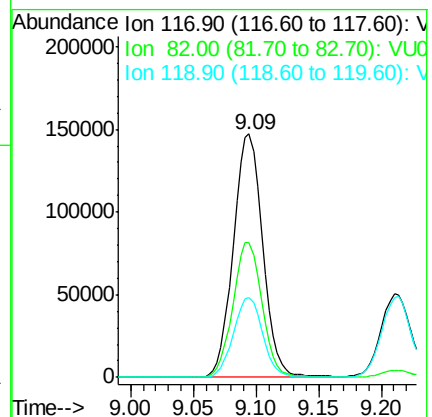
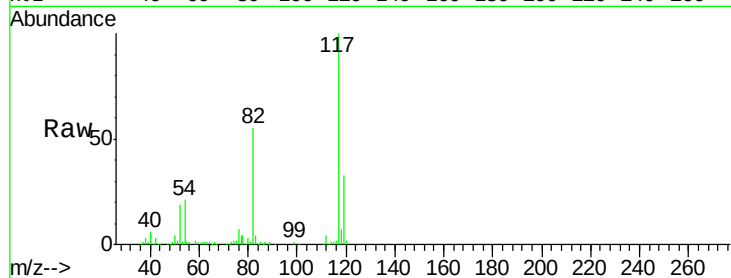
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	240156		
82	55.4	44.3	66.5	
119	32.7	25.4	38.2	

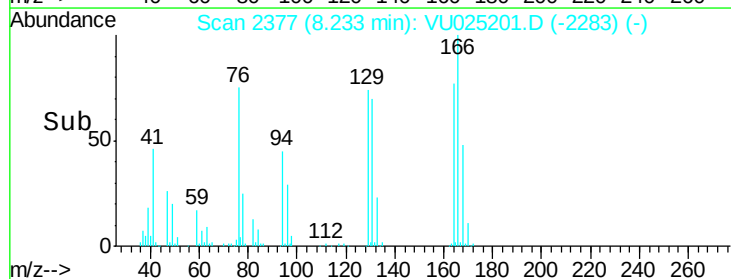
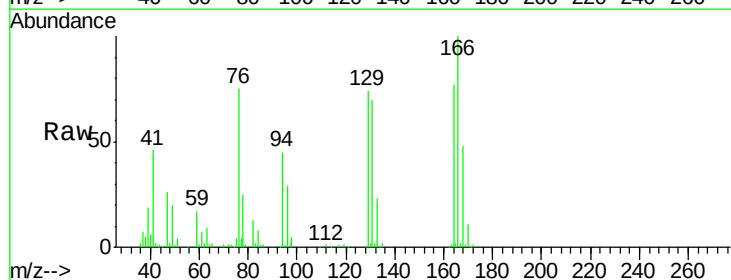
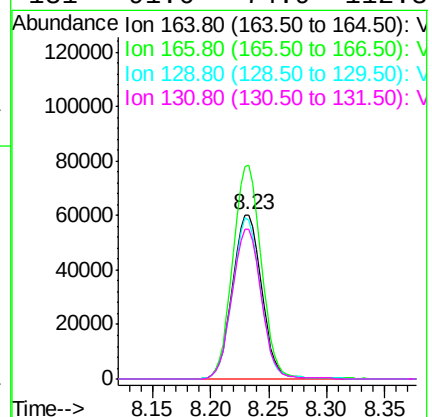
Manual Integrations
APPROVED

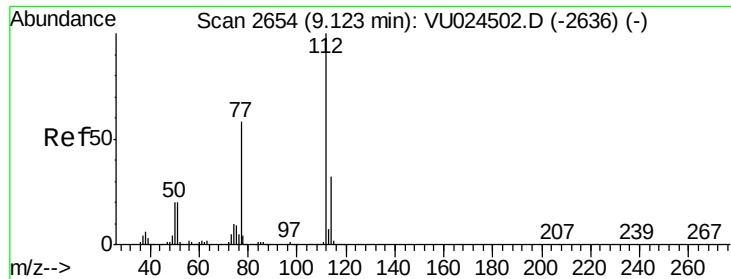
sam
7/5/2018 2:30:45 PM



#64
Tetrachloroethene
Concen: 46.167 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	105390		
166	130.1	101.7	152.5	
129	96.9	76.9	115.3	
131	91.6	74.9	112.3	





#65

Chlorobenzene

Concen: 53.939 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

Tot Ion:112 Resp: 330919

Ion Ratio Lower Upper

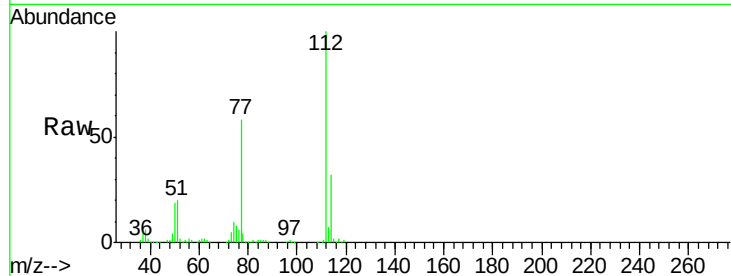
112 100

114 32.4 25.6 38.4

Manual Integrations
APPROVED

sam

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.12

200000

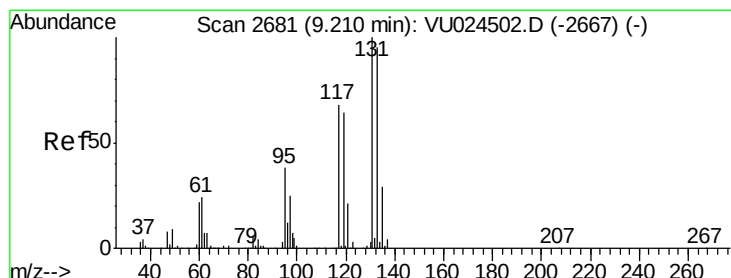
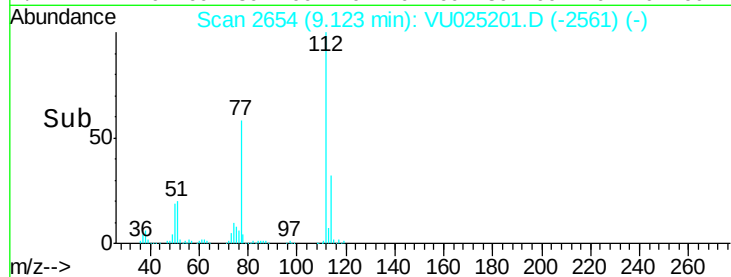
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 54.081 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

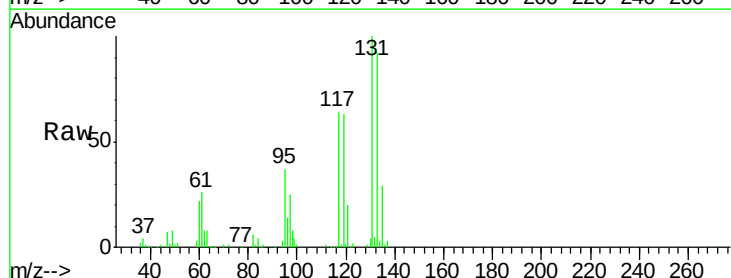
Tgt Ion:131 Resp: 126055

Ion Ratio Lower Upper

131 100

133 96.0 46.9 140.8

119 64.5 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.21

100000

80000

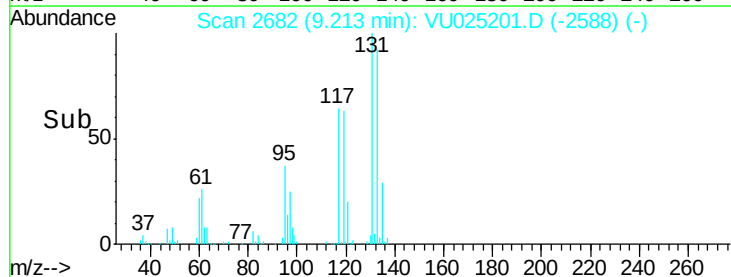
60000

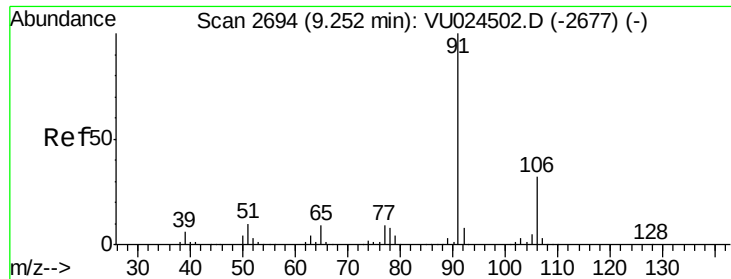
40000

20000

0

Time-->





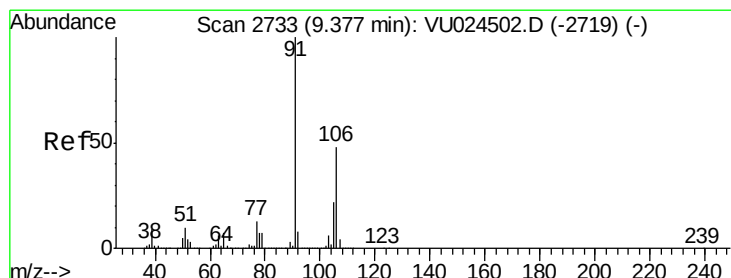
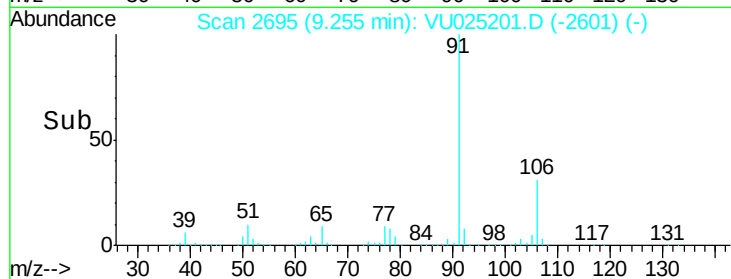
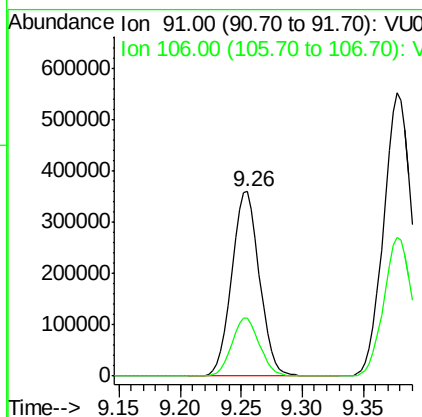
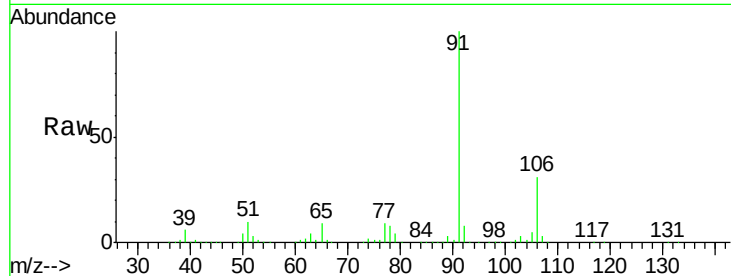
#67
Ethyl Benzene
Concen: 52.999 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion: 91 Resp: 570021
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.4

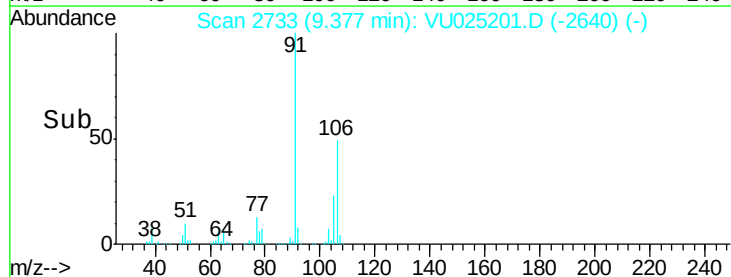
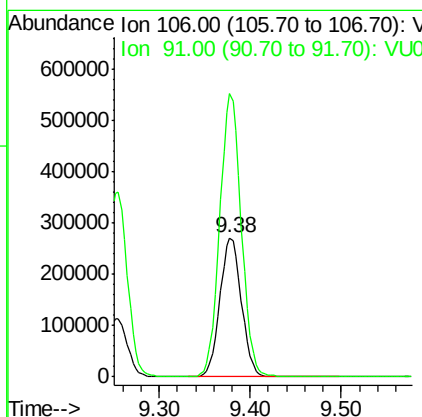
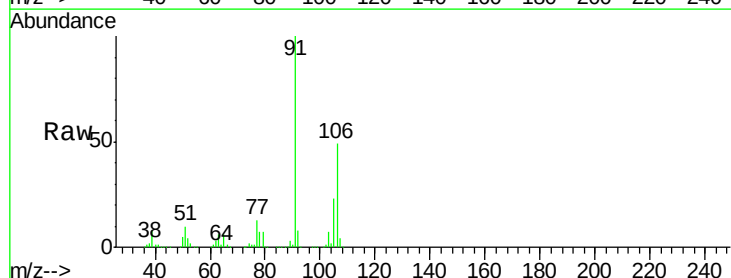
Manual Integrations
APPROVED

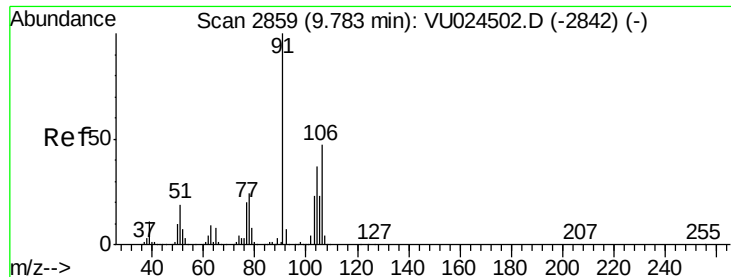
sam
7/5/2018 2:30:45 PM



#68
m/p-Xylenes
Concen: 107.782 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion: 106 Resp: 445145
Ion Ratio Lower Upper
106 100
91 203.5 166.5 249.7





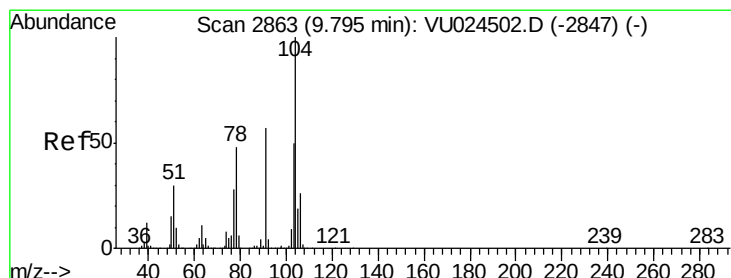
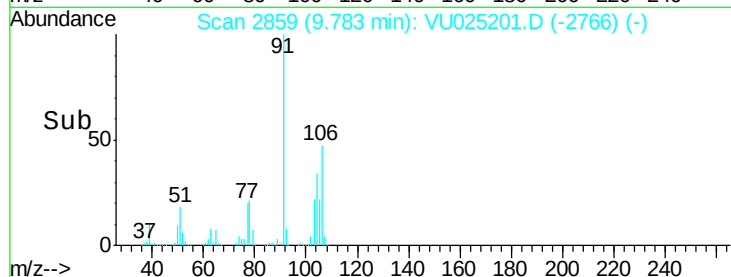
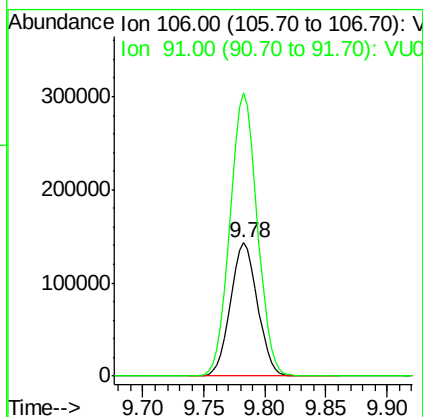
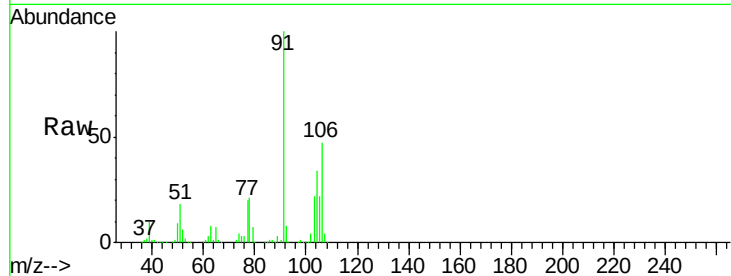
#69
o-Xylene
Concen: 54.344 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.4	110.7	331.9

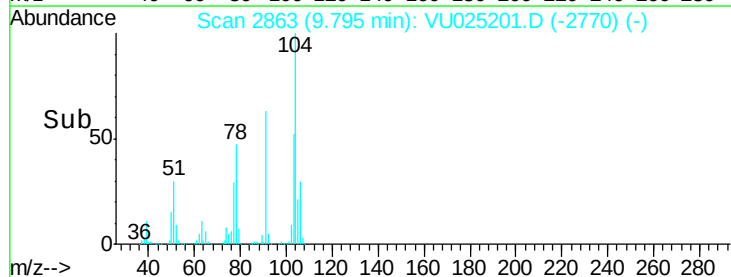
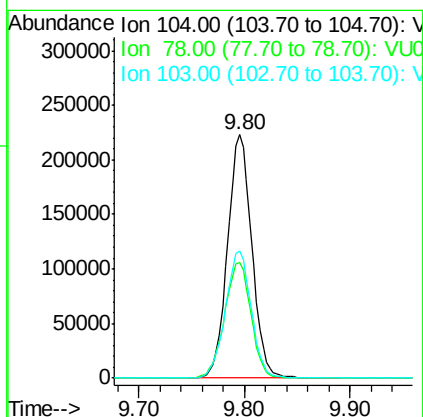
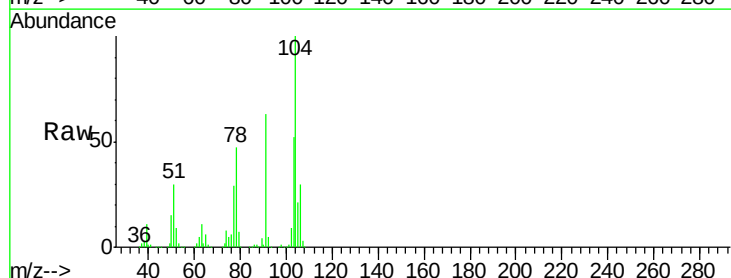
Manual Integrations
APPROVED

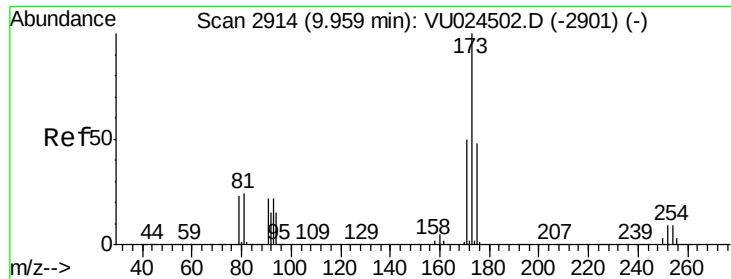
sam
7/5/2018 2:30:45 PM



#70
Styrene
Concen: 52.821 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.6	40.6	60.8
103	55.5	44.7	67.1





#71

Bromoform

Concen: 48.649 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

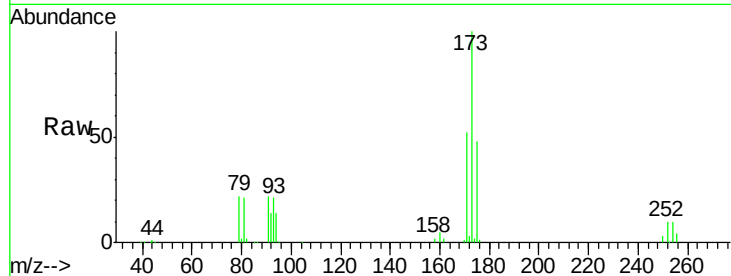
ClientSampleId :

WP021MW011-180627MSD

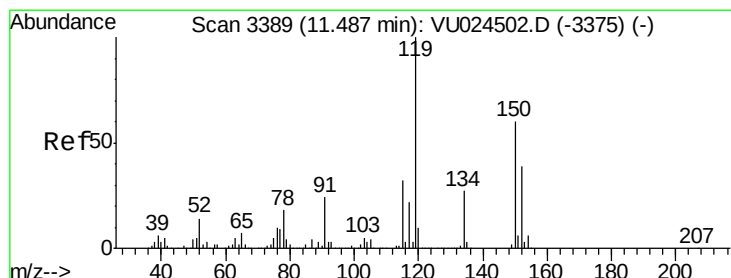
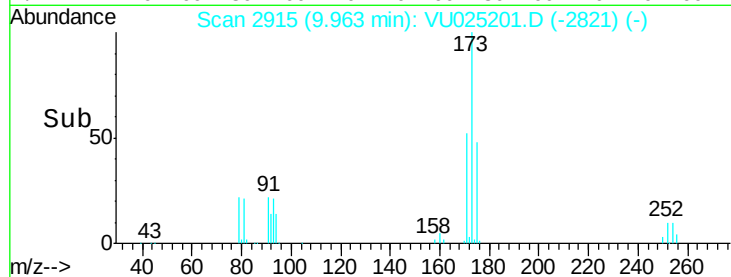
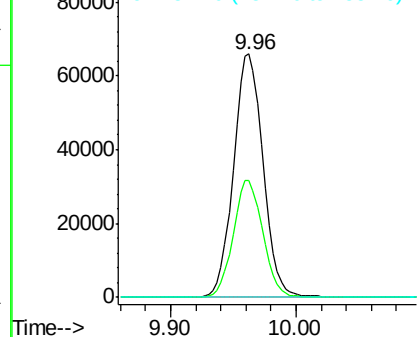
Tot Ion:	173	Resp:	107780
Ion Ratio	Lower	Upper	
173	100		
175	48.2	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

sam
7/5/2018 2:30:45 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

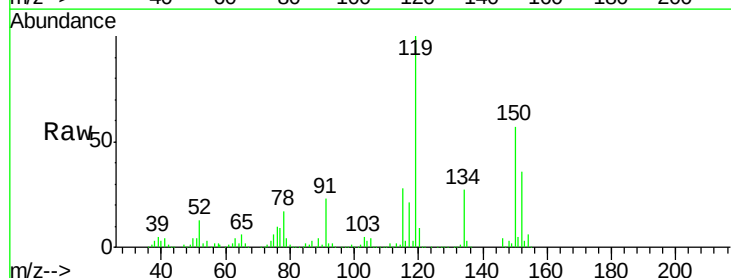
RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

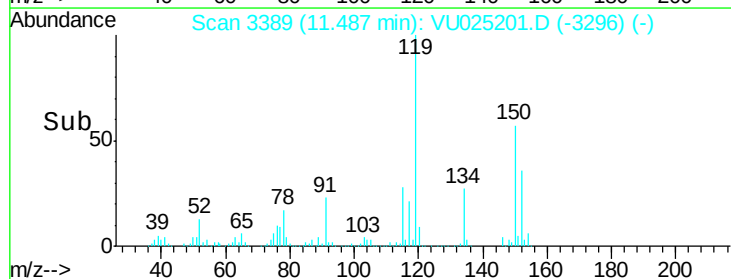
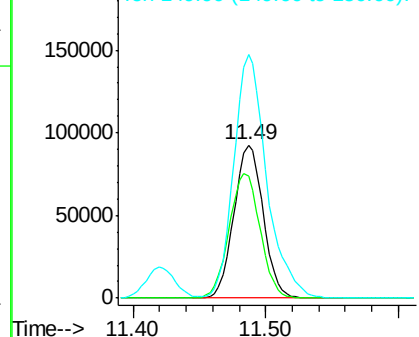
Lab File: VU025201.D

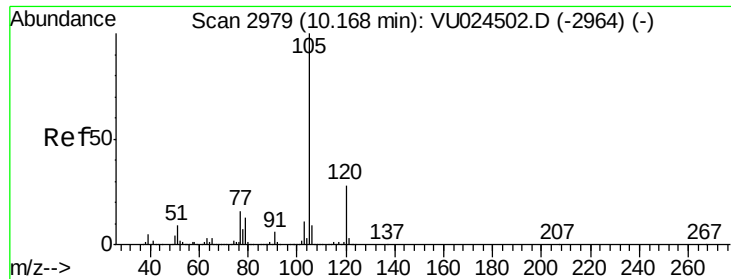
Acq: 03 Jul 2018 20:04

Tgt Ion:	152	Resp:	141568
Ion Ratio	Lower	Upper	
152	100		
115	86.2	43.0	129.0
150	179.4	0.0	354.0



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





#73

Isopropylbenzene

Concen: 54.933 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

Tot Ion: 105 Resp: 597065

Ion Ratio Lower Upper

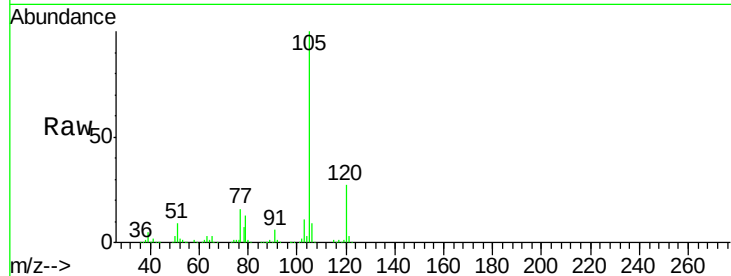
105 100

120 26.5 13.2 39.6

Manual Integrations
APPROVED

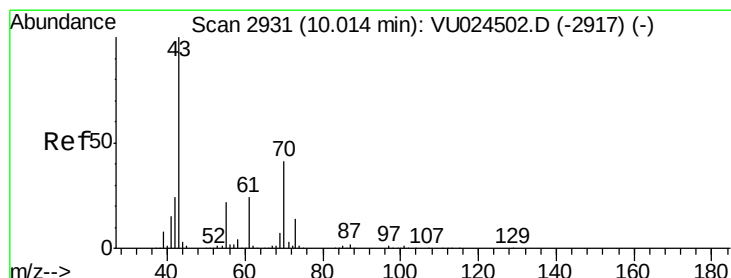
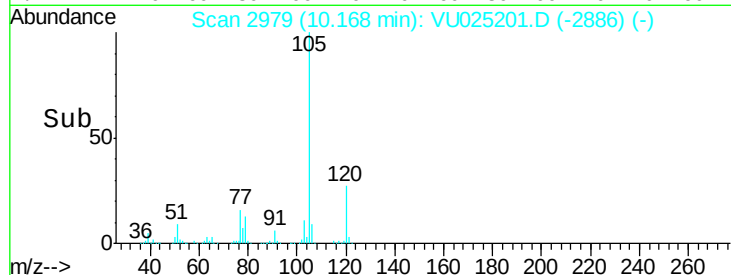
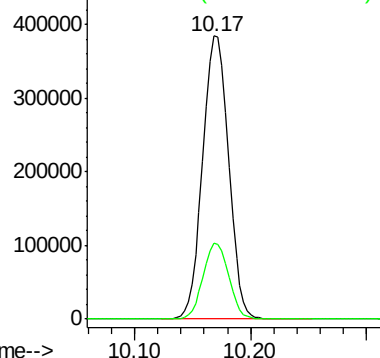
sam

7/5/2018 2:30:45 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.281 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Tgt Ion: 43 Resp: 249605

Ion Ratio Lower Upper

43 100

70 40.9 32.2 48.4

55 23.7 20.5 30.7

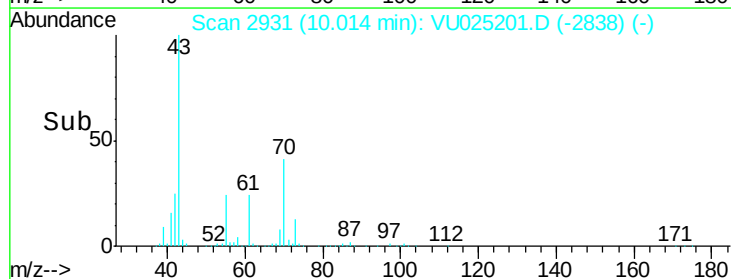
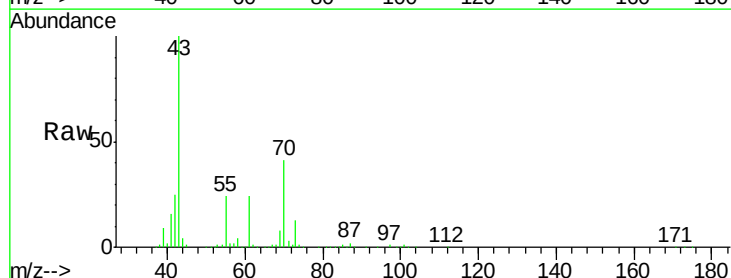
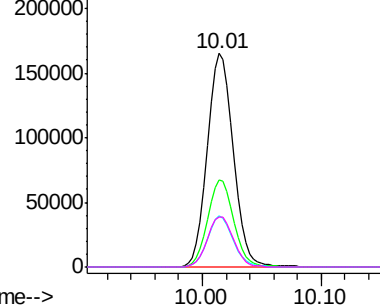
61 23.8 18.7 28.1

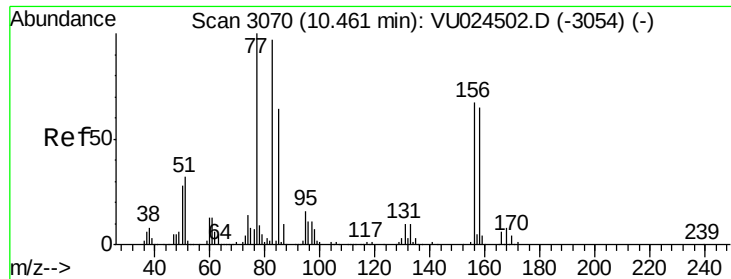
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.494 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

Tot Ion: 83 Resp: 205765

Ion Ratio Lower Upper

83 100

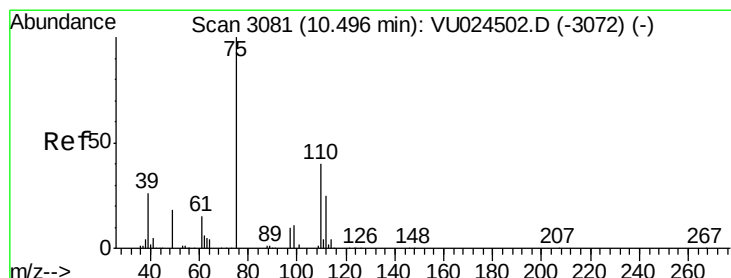
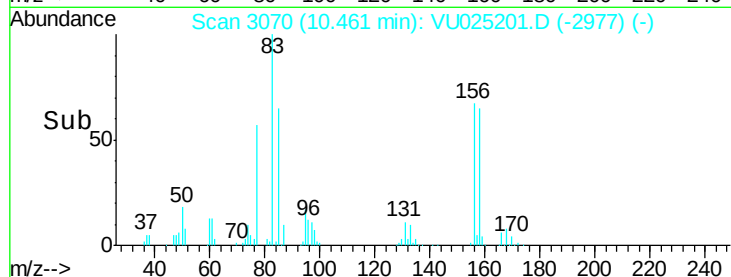
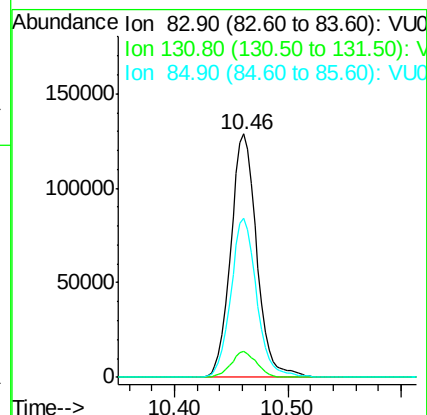
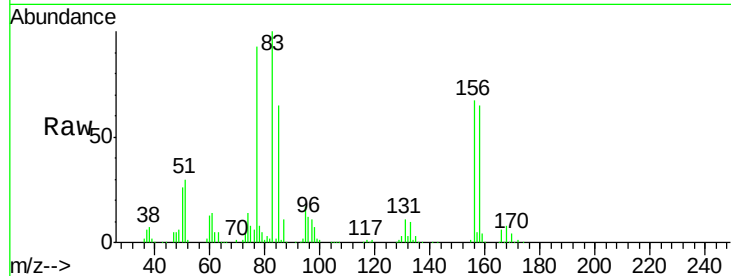
131 10.5 4.7 14.1

85 65.1 32.5 97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.164 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025201.D

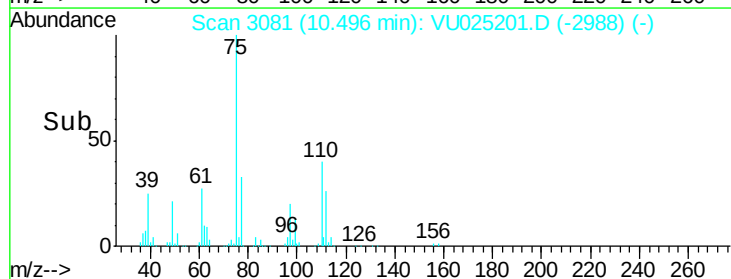
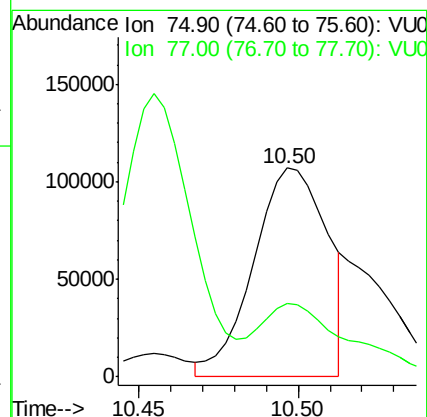
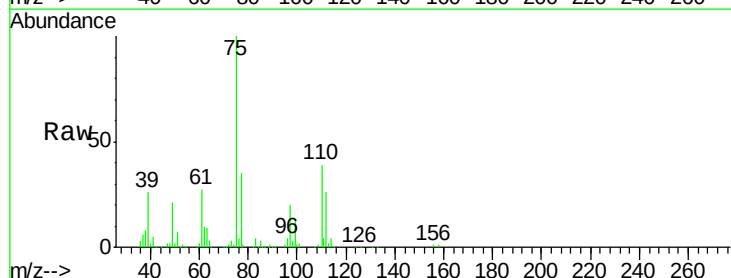
Acq: 03 Jul 2018 20:04

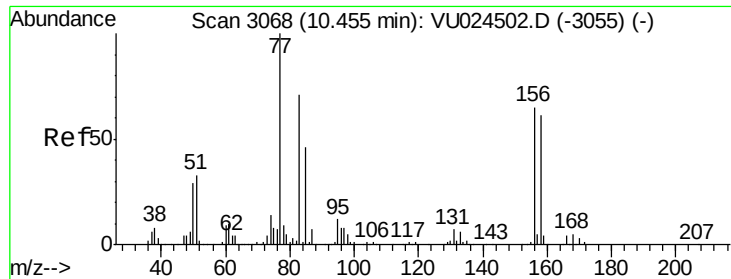
Tgt Ion: 75 Resp: 171935

Ion Ratio Lower Upper

75 100

77 44.9 20.9 62.7





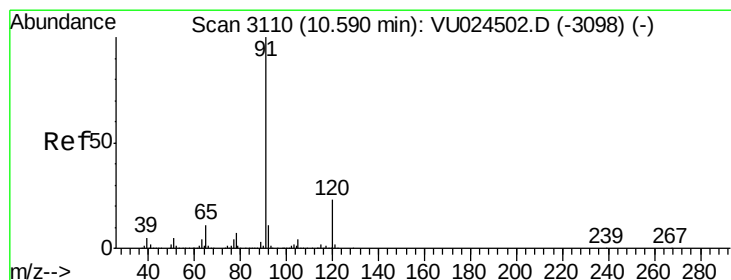
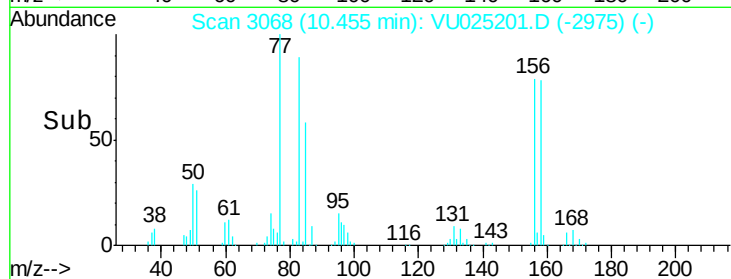
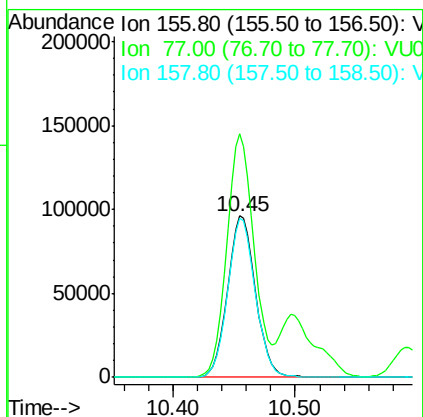
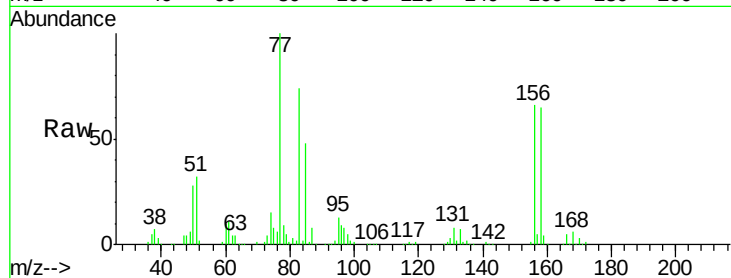
#77
Bromobenzene
Concen: 55.973 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.4	80.5	241.3
158	97.5	48.2	144.6

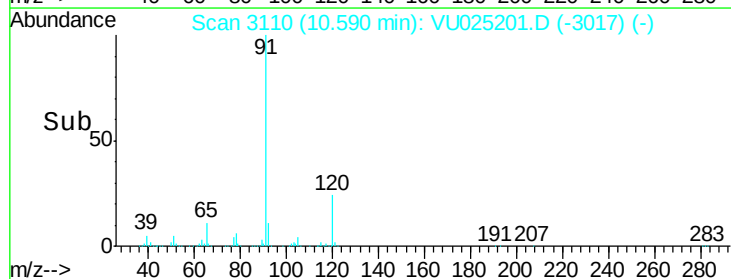
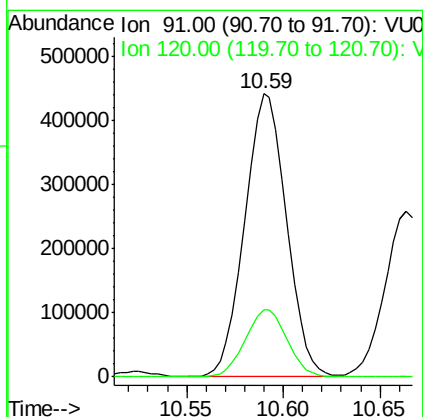
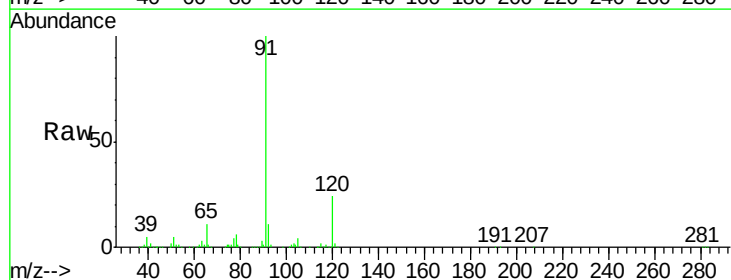
Manual Integrations
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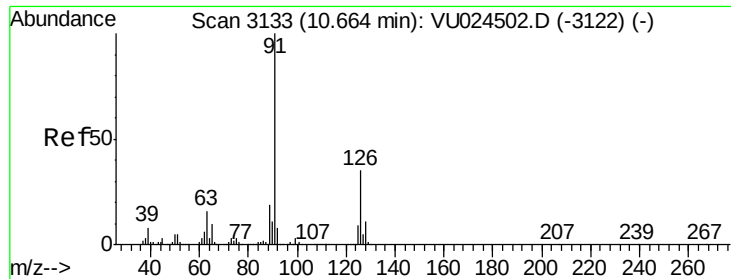
sam
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#78
n-propylbenzene
Concen: 51.935 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.2	33.5





#79

2-Chlorotoluene

Concen: 53.611 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

Tot Ion: 91 Resp: 404788

Ion Ratio Lower Upper

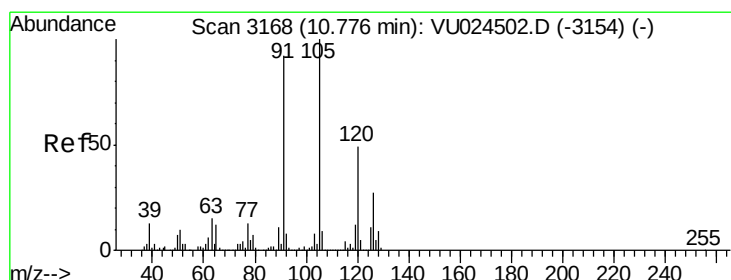
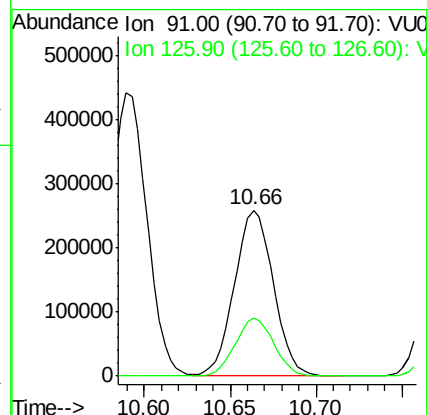
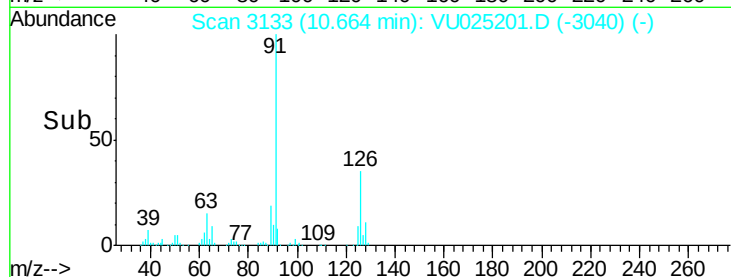
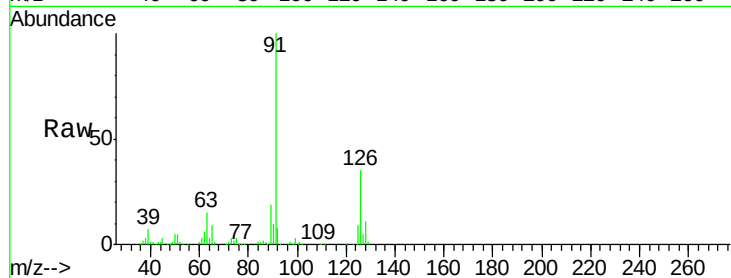
91 100

126 34.9 16.9 50.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 54.106 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025201.D

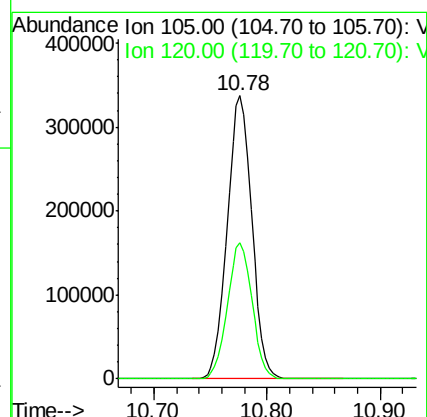
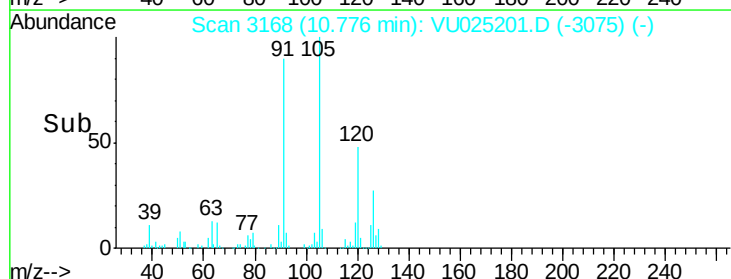
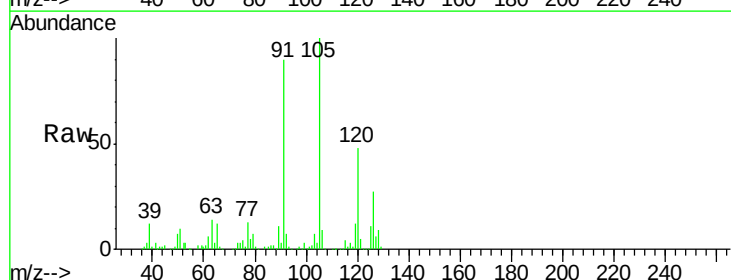
Acq: 03 Jul 2018 20:04

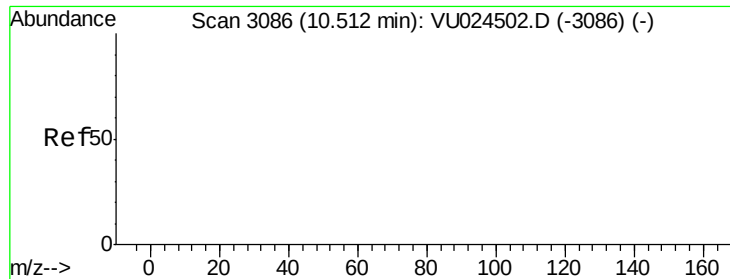
Tgt Ion: 105 Resp: 509713

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.996 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

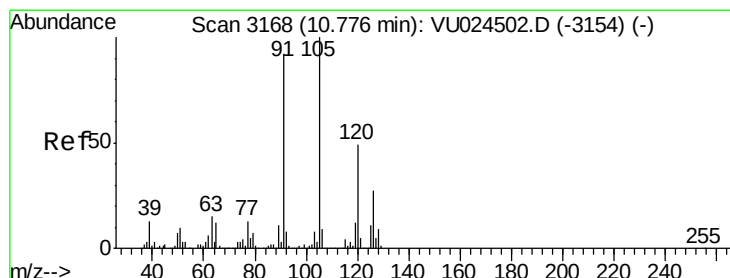
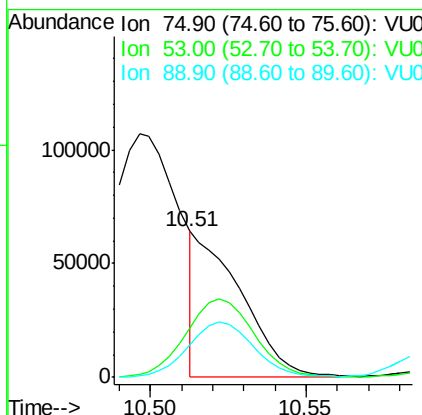
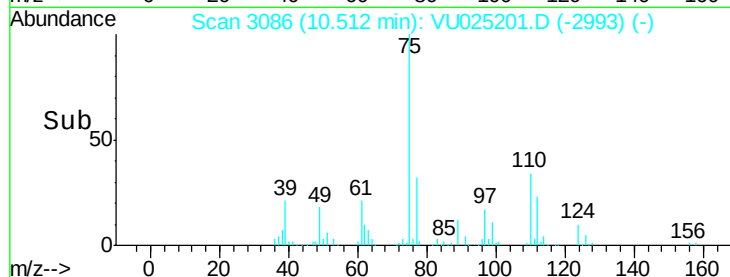
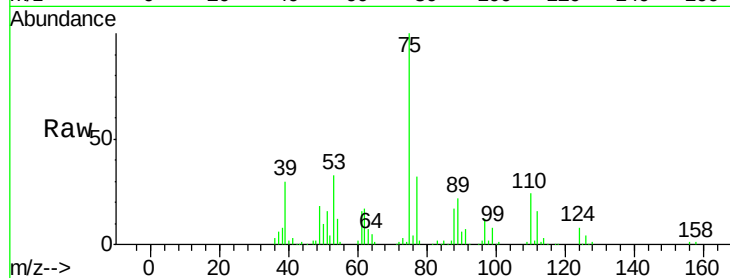
Instrument :
MSVOA_U

ClientSampleId :
WP021MW011-180627MSD

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.198 ug/l

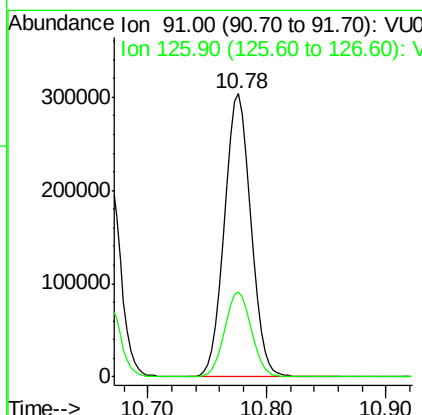
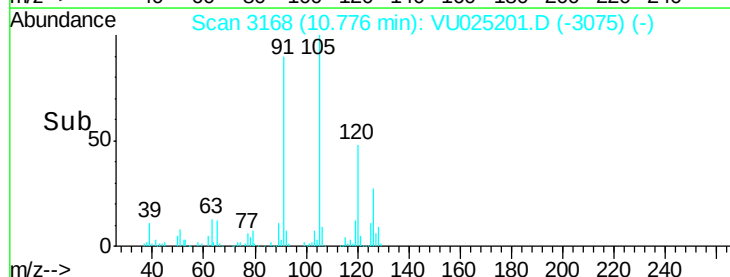
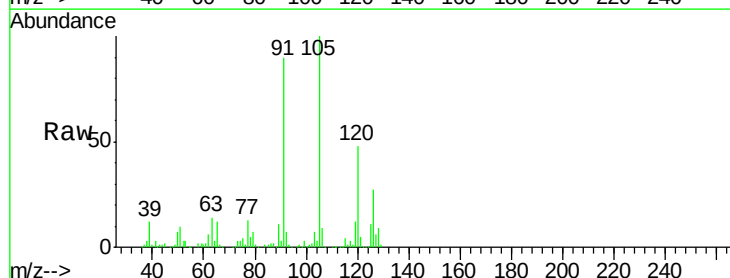
RT: 10.78 min Scan# 3168

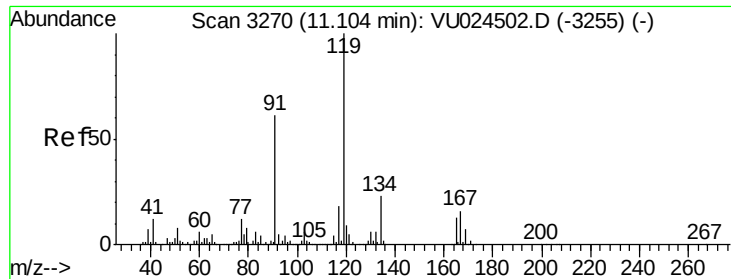
Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	14.9	44.9





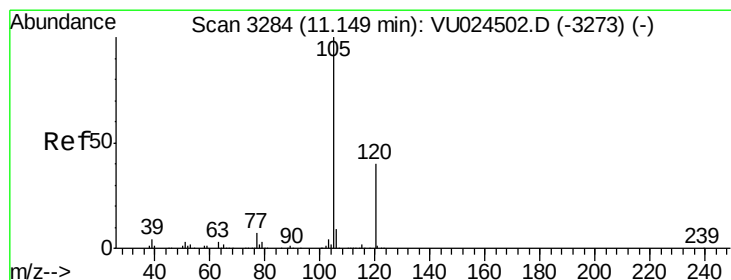
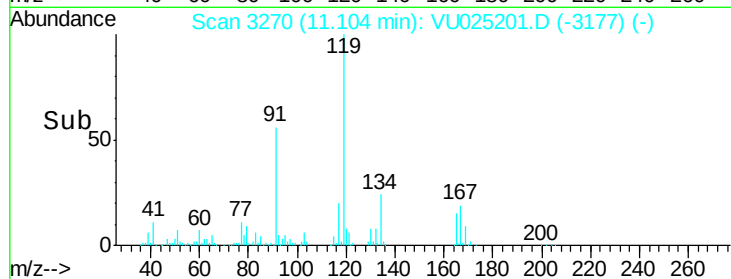
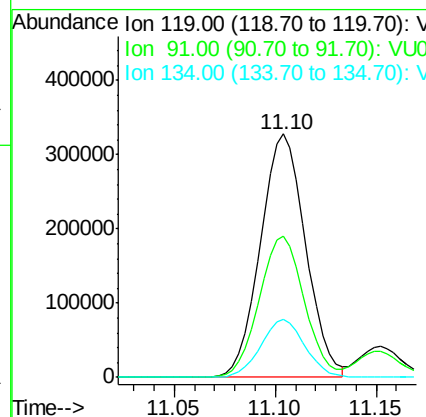
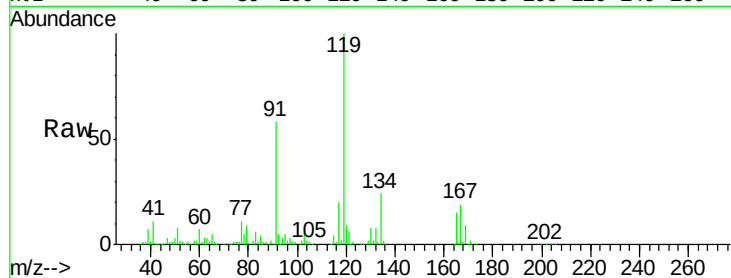
#83
 tert-Butylbenzene
 Concen: 56.455 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	511590		
91	58.0	29.7	89.1	
134	23.2	11.6	34.7	

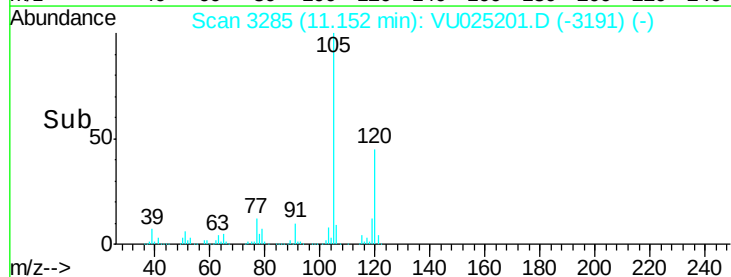
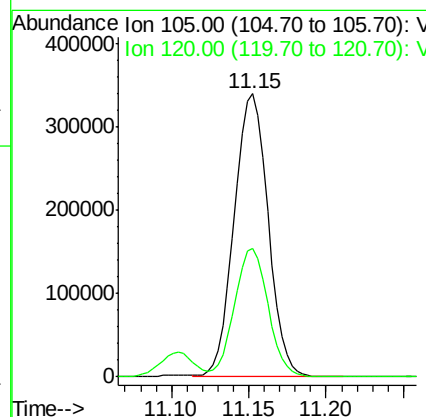
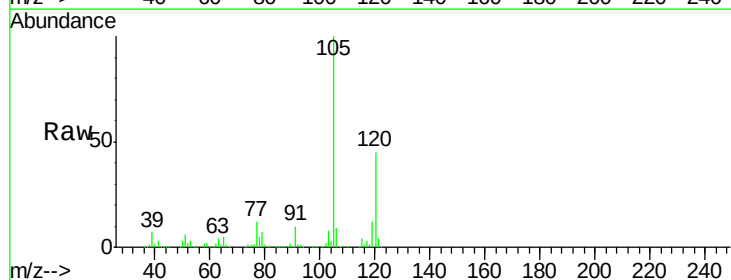
Manual Integrations
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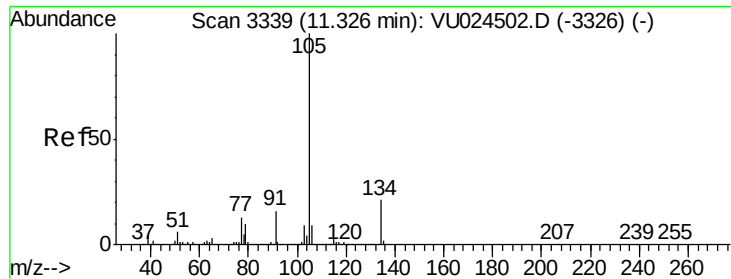
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.838 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	516875		
120	44.9	22.6	67.8	





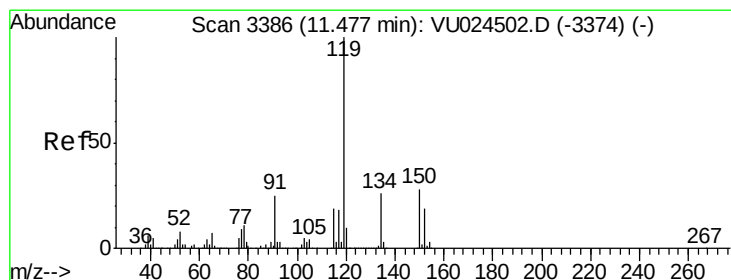
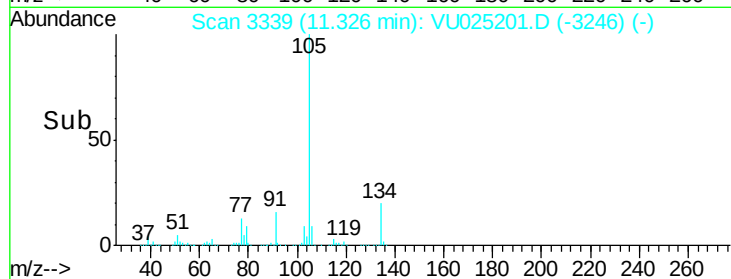
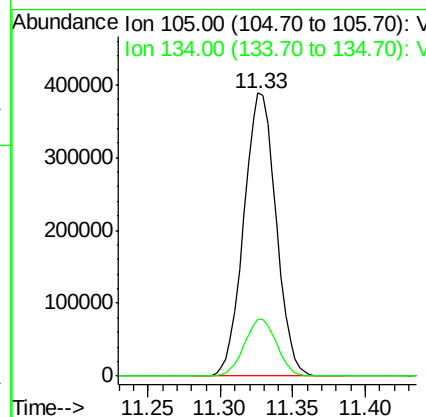
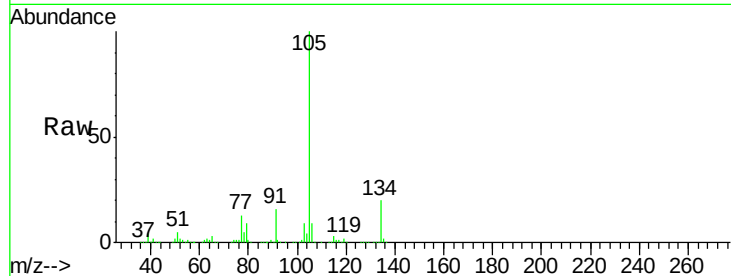
#85
 sec-Butylbenzene
 Concen: 52.987 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.7	29.1

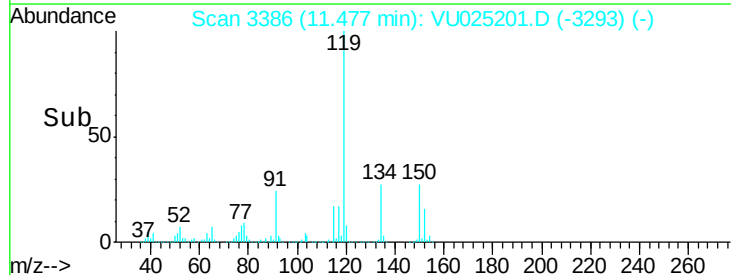
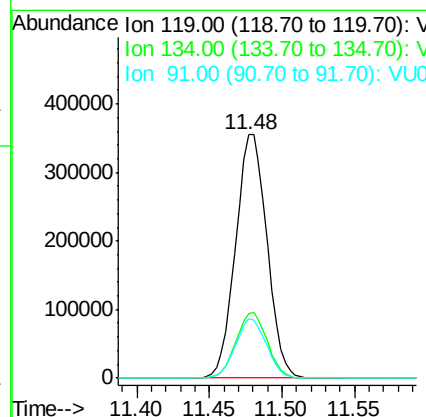
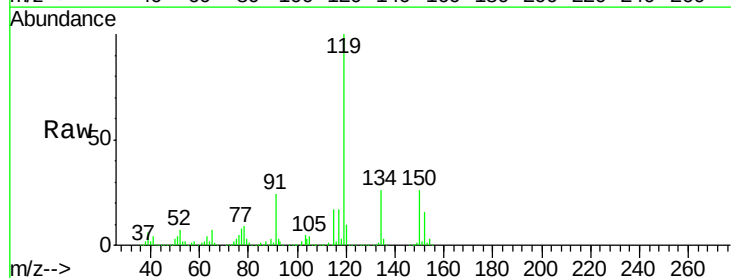
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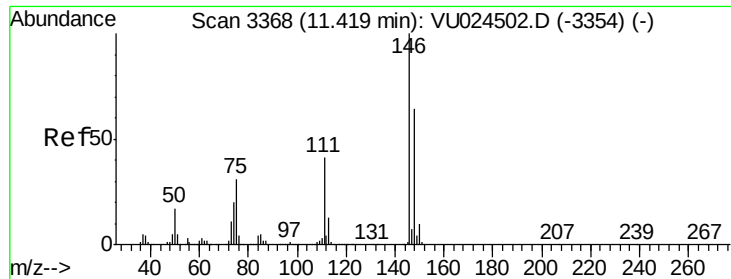
sam
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#86
 p-Isopropyltoluene
 Concen: 52.421 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.6
91	24.2	12.0	36.1





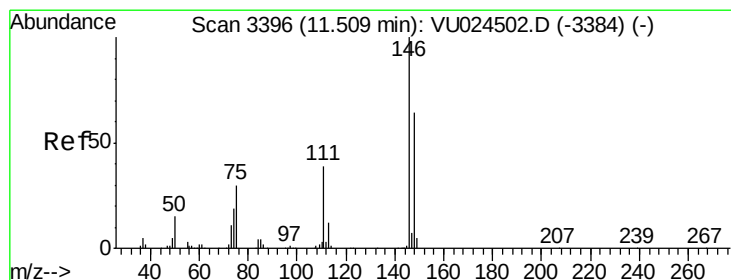
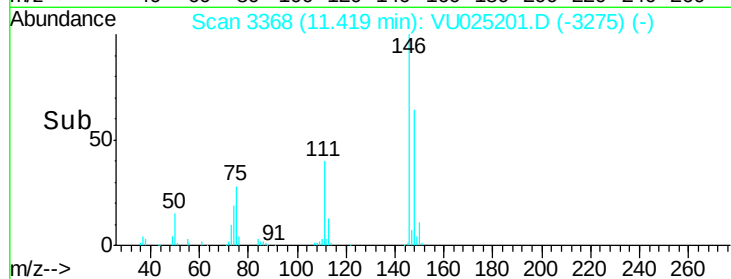
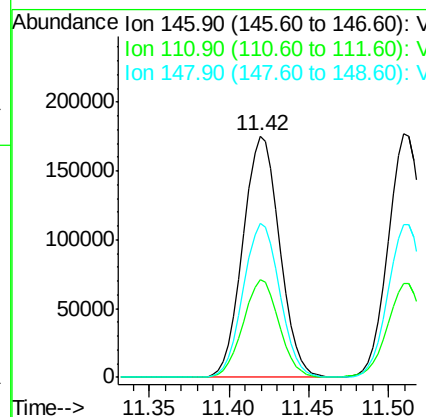
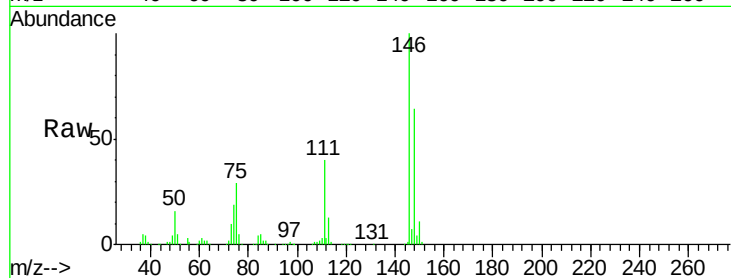
#87
 1,3-Dichlorobenzene
 Concen: 53.951 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	60.0
148	63.8	32.1	96.5

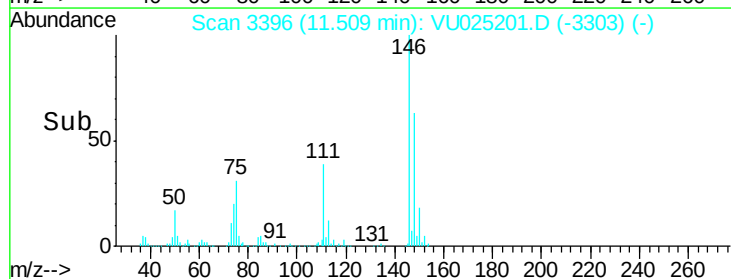
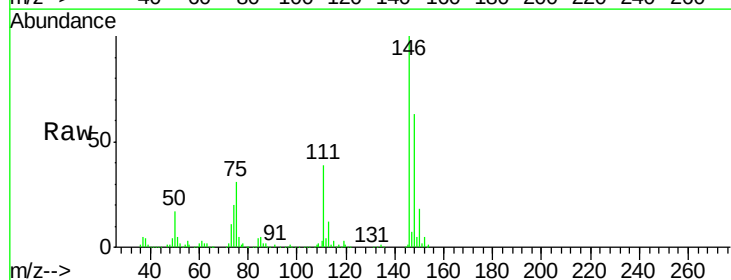
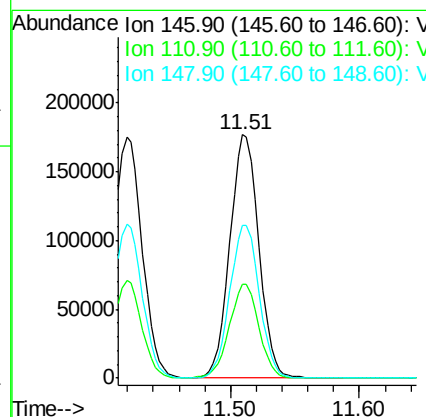
Manual Integrations
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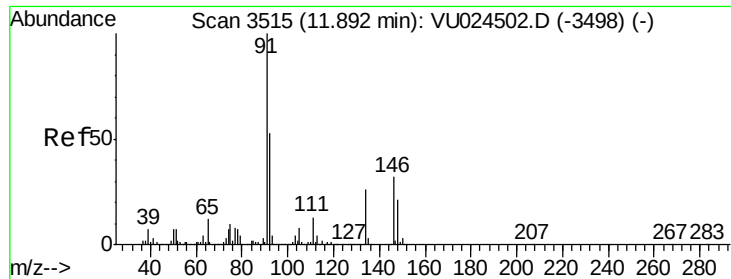
sam
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#88
 1,4-Dichlorobenzene
 Concen: 53.834 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.5	58.5
148	64.1	32.4	97.0





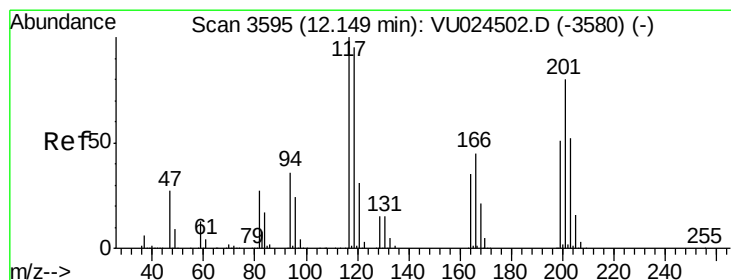
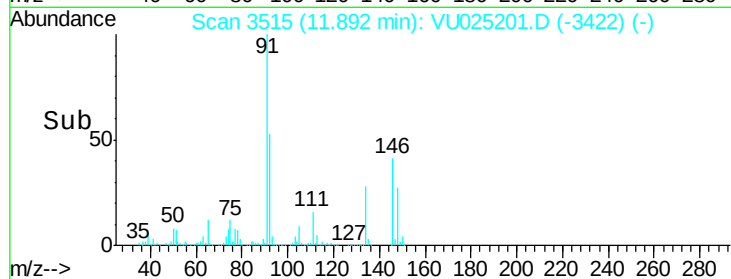
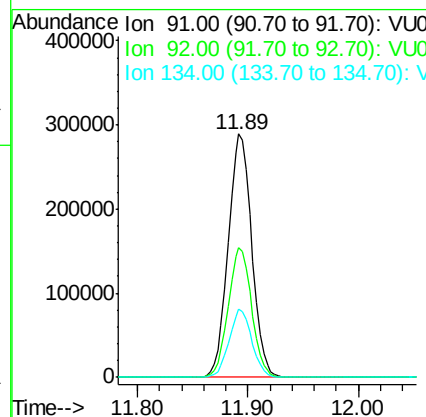
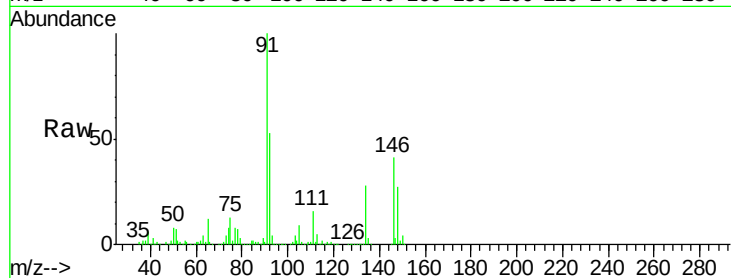
#89
n-Butylbenzene
Concen: 47.421 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	25.6	76.8
134	27.0	12.3	36.8

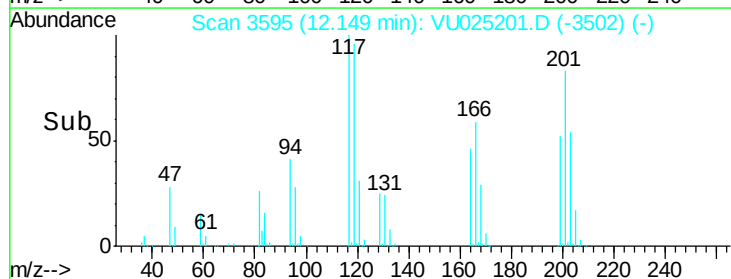
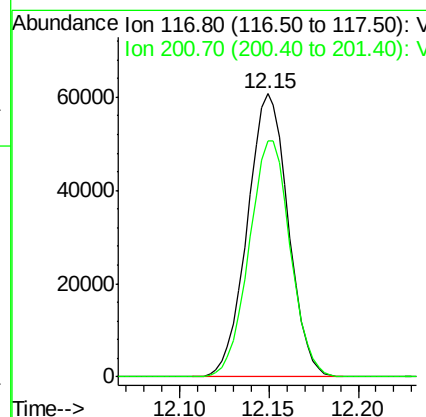
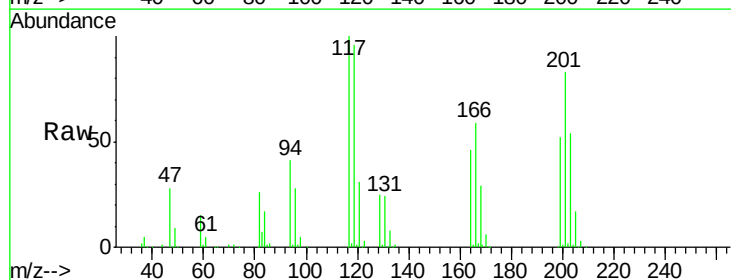
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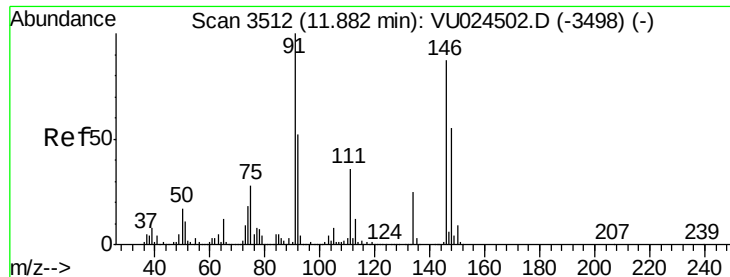
sam
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#90
Hexachloroethane
Concen: 48.881 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.4	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 56.105 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

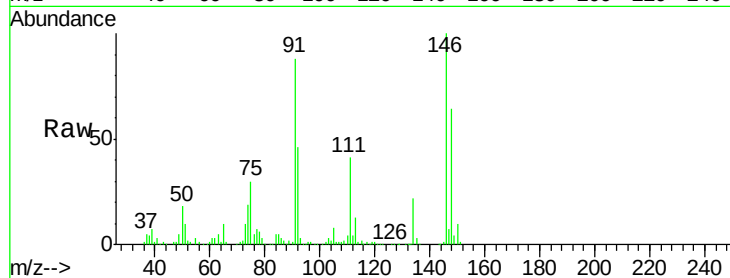
ClientSampleId :

WP021MW011-180627MSD

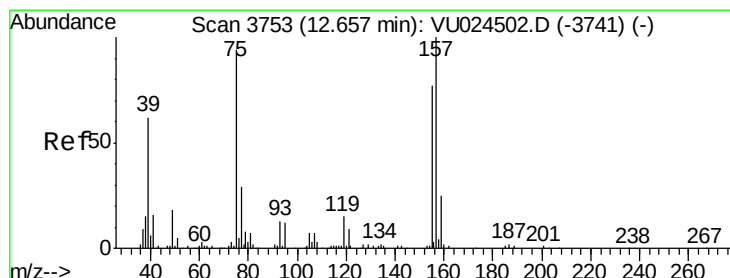
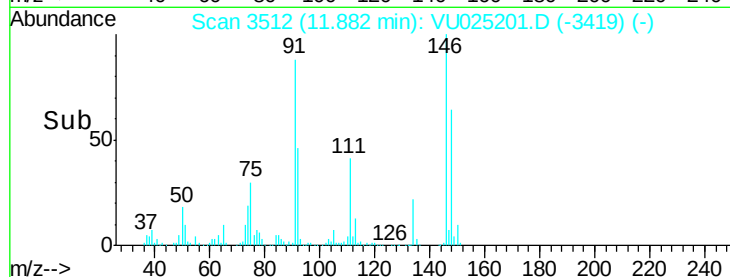
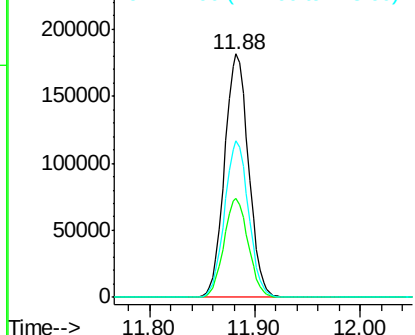
Tot Ion:	146	Resp:	285684
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.5	61.6
148	64.1	31.9	95.7

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.046 ug/l

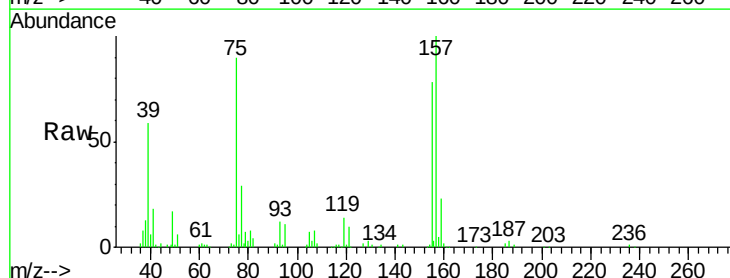
RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

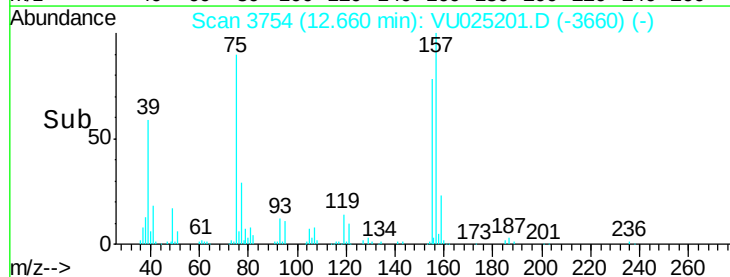
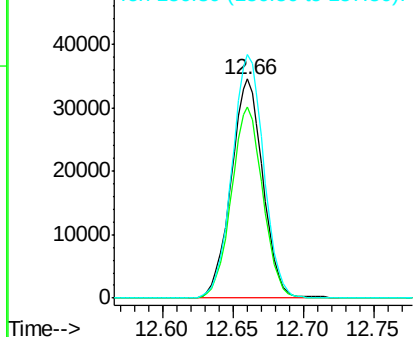
Lab File: VU025201.D

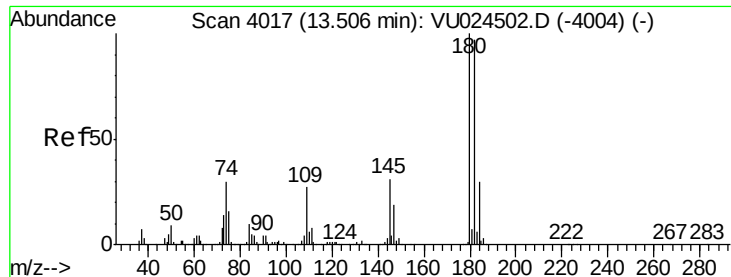
Acq: 03 Jul 2018 20:04

Tgt Ion:	75	Resp:	54316
Ion Ratio	Lower	Upper	
75	100		
155	86.1	40.4	121.2
157	110.7	52.3	156.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





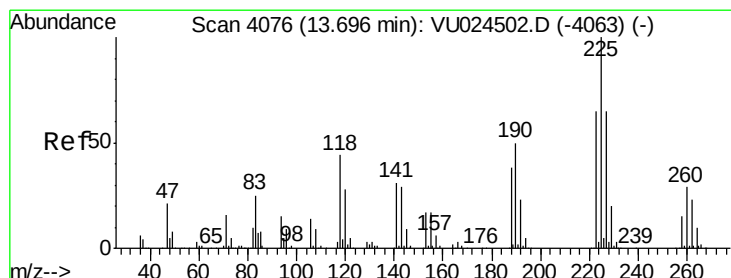
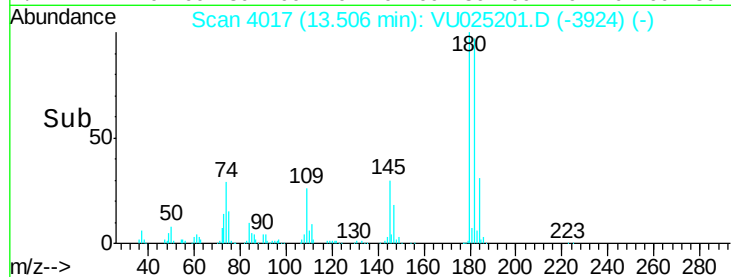
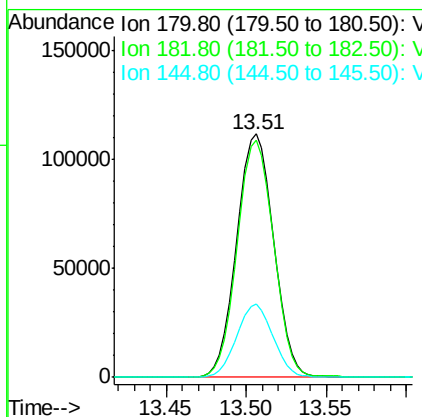
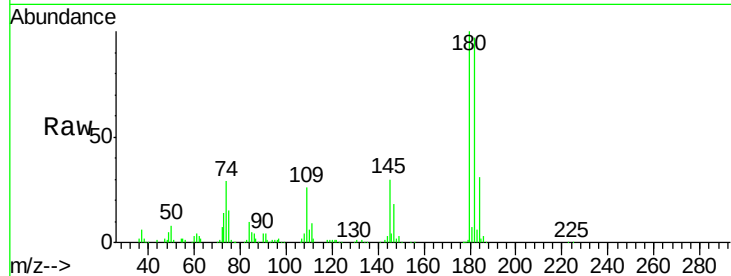
#93
 1,2,4-Trichlorobenzene
 Concen: 55.946 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	175914		
182	96.2	48.0	144.2	
145	29.6	14.7	44.1	

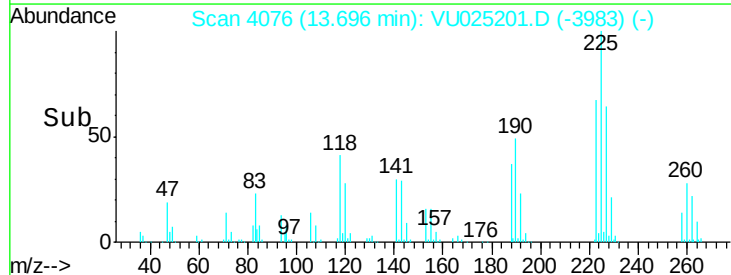
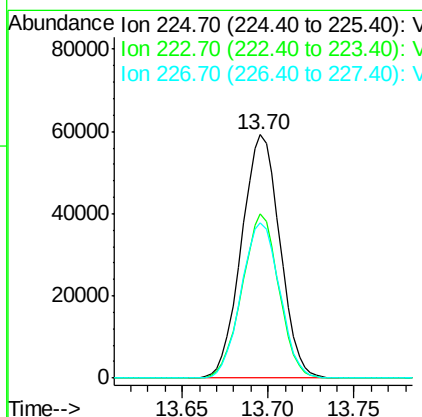
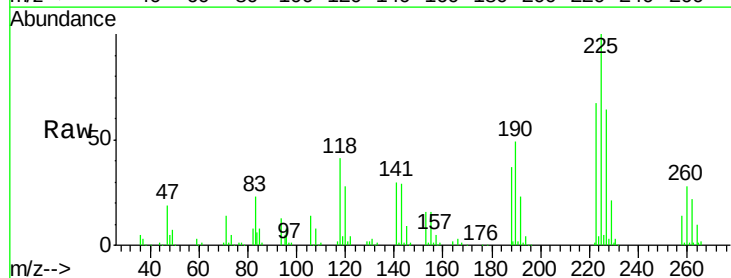
Manual Integrations
 APPROVED

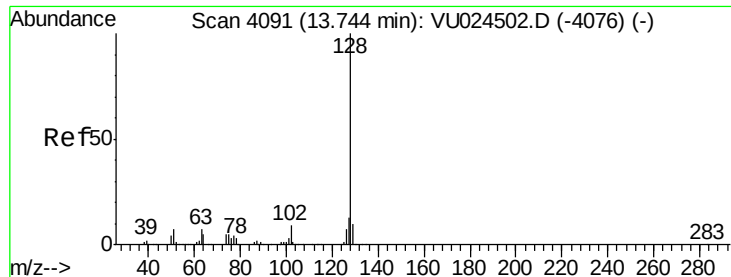
sam
 7/5/2018 2:30:45 PM



#94
 Hexachlorobutadiene
 Concen: 51.810 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91695		
223	64.6	31.3	93.8	
227	63.9	31.8	95.4	





#95

Naphthalene

Concen: 59.316 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

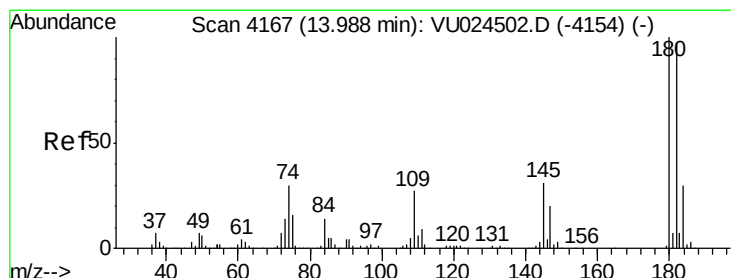
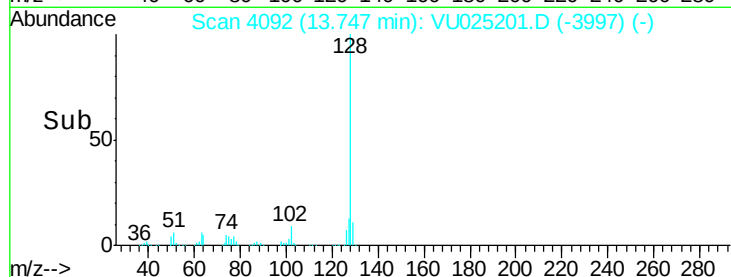
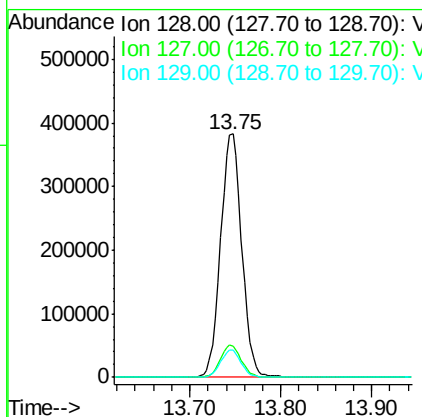
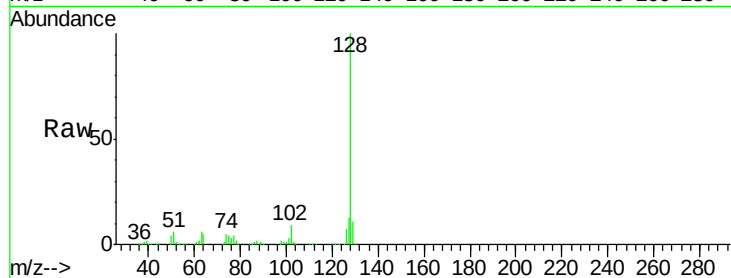
ClientSampleId :

WP021MW011-180627MSD

Tot Ion:	128	Resp:	618782
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.9	8.6	12.8

Manual Integrations
APPROVED

sam
7/5/2018 2:30:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 61.036 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Tgt Ion:	180	Resp:	191237
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.9	143.7
145	31.5	15.4	46.1

