

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070718\
 Data File : VU025260.D
 Acq On : 06 Jul 2018 23:20
 Operator : MD/SY
 Sample : J3842-08MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Quant Time: Jul 07 01:00:09 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	158262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	243083	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	234051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144295	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	138025	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
35) Dibromofluoromethane	4.89	113	109902	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
50) Toluene-d8	7.57	98	367183	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	10.31	95	151537	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	81105	40.943	ug/l	100
3) Chloromethane	1.33	50	88256	43.609	ug/l	97
4) Vinyl Chloride	1.40	62	99136	47.499	ug/l	97
5) Bromomethane	1.61	94	55042	54.553	ug/l	100
6) Chloroethane	1.69	64	63323	54.388	ug/l	97
7) Trichlorofluoromethane	1.88	101	151237	47.482	ug/l	100
8) Diethyl Ether	2.10	74	58610	54.230	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	89838	45.463	ug/l	98
10) Methyl Iodide	2.41	142	110251	64.242	ug/l	98
11) Tert butyl alcohol	2.82	59	157713	250.988	ug/l	100
12) 1,1-Dichloroethene	2.28	96	83432	46.298	ug/l	96
13) Acrolein	2.19	56	83715	253.703	ug/l	97
14) Allyl chloride	2.59	41	147001	43.934	ug/l	100
15) Acrylonitrile	2.93	53	316695	259.041	ug/l	99
16) Acetone	2.32	43	303979	218.974	ug/l	98
17) Carbon Disulfide	2.48	76	219956	38.119	ug/l	99
18) Methyl Acetate	2.62	43	143668	48.275	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	350235	51.704	ug/l	97
20) Methylene Chloride	2.70	84	104511	47.981	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	92948	46.831	ug/l	97
22) Diisopropyl ether	3.57	45	335911	50.644	ug/l	98
23) Vinyl Acetate	3.53	43	1410157	237.336	ug/l	99
24) 1,1-Dichloroethane	3.45	63	189461	49.654	ug/l	99
25) 2-Butanone	4.26	43	470358	252.248	ug/l	98
26) 2,2-Dichloropropane	4.23	77	141545	39.067	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	134152	58.792	ug/l	97
28) Bromochloromethane	4.55	49	99915	59.450	ug/l	85
29) Tetrahydrofuran	4.63	42	298447	258.457	ug/l	97
30) Chloroform	4.68	83	202703	52.486	ug/l	100
31) Cyclohexane	5.00	56	156223	45.945	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	178460	49.970	ug/l	97
36) 1,1-Dichloropropene	5.14	75	138373	48.443	ug/l	97
37) Ethyl Acetate	4.38	43	161923	52.010	ug/l	97
38) Carbon Tetrachloride	5.14	117	158854	50.573	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	160322	44.976	ug/l	95
40) Benzene	5.39	78	459776	56.489	ug/l	99
41) Methacrylonitrile	4.54	41	94955	56.569	ug/l	98
42) 1,2-Dichloroethane	5.41	62	175062	56.473	ug/l	99
43) Isopropyl Acetate	5.55	43	264023	49.062	ug/l	99
44) Trichloroethene	6.19	130	120969	52.223	ug/l	93
45) 1,2-Dichloropropane	6.44	63	111867	51.510	ug/l	99
46) Dibromomethane	6.56	93	81803	53.625	ug/l	96
47) Bromodichloromethane	6.76	83	154556	50.881	ug/l	100
48) Methyl methacrylate	6.62	41	140162	53.488	ug/l	97
49) 1,4-Dioxane	6.62	88	65006	1268.505	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	899824	266.149	ug/l	99
52) Toluene	7.64	92	269717	51.507	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	160917	47.172	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	168490	46.353	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	115996	54.495	ug/l	97
56) Ethyl methacrylate	8.02	69	181034	50.814	ug/l	100
57) 1,3-Dichloropropane	8.25	76	190204	52.971	ug/l	99
59) 2-Hexanone	8.36	43	708735	256.771	ug/l	99
60) Dibromochloromethane	8.48	129	128949	48.581	ug/l	99
61) 1,2-Dibromoethane	8.59	107	123911	52.302	ug/l	99
64) Tetrachloroethene	8.23	164	102163	45.921	ug/l	98
65) Chlorobenzene	9.12	112	488474	81.696	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	117753	51.837	ug/l	97
67) Ethyl Benzene	9.25	91	523763	49.968	ug/l	98
68) m/p-Xylenes	9.38	106	411939	102.344	ug/l	97
69) o-Xylene	9.78	106	205839	51.674	ug/l	97
70) Styrene	9.80	104	333733	50.982	ug/l	99
71) Bromoform	9.96	173	99372	46.024	ug/l #	99
73) Isopropylbenzene	10.17	105	554141	50.020	ug/l	99
74) N-amyl acetate	10.01	43	228048	43.278	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	195360	52.624	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	224088	70.538	ug/l	84
77) Bromobenzene	10.45	156	143217	51.064	ug/l	93
78) n-propylbenzene	10.59	91	617716	47.334	ug/l	97
79) 2-Chlorotoluene	10.66	91	379089	49.258	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	475101	49.479	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	224088	163.254	ug/l #	100
82) 4-Chlorotoluene	10.78	91	432409	48.274	ug/l	99
83) tert-Butylbenzene	11.10	119	491542	53.217	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	480751	49.129	ug/l	100
85) sec-Butylbenzene	11.33	105	597270	51.659	ug/l	94
86) p-Isopropyltoluene	11.48	119	493075	47.618	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	260619	50.297	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	265641	50.935	ug/l	99
89) n-Butylbenzene	11.89	91	393368	42.789	ug/l	97
90) Hexachloroethane	12.15	117	86928	43.034	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	325820	62.778	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	49900	48.713	ug/l	93
93) 1,2,4-Trichlorobenzene	13.51	180	160283	50.011	ug/l	99

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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)
94) Hexachlorobutadiene	13.70	225	88666	49.152	ug/l	98
95) Naphthalene	13.74	128	539756	50.860	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	173250	54.250	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

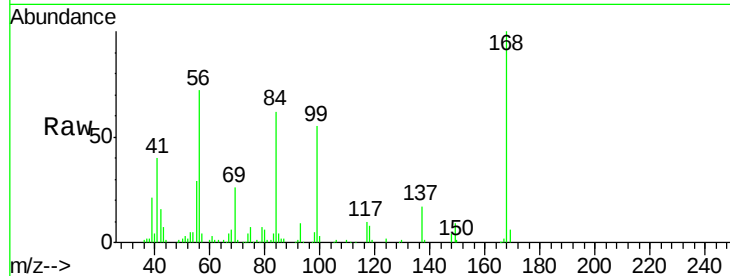
WP021MW470-180628MS

Tot Ion:168 Resp: 158262

Ion Ratio Lower Upper

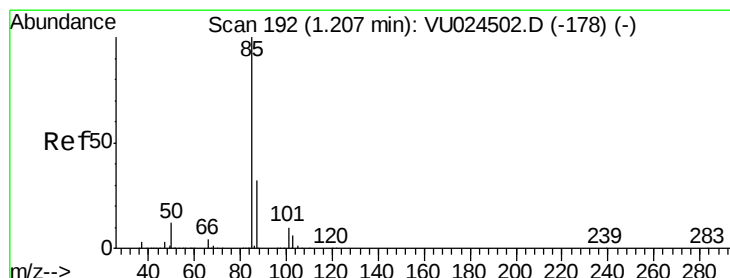
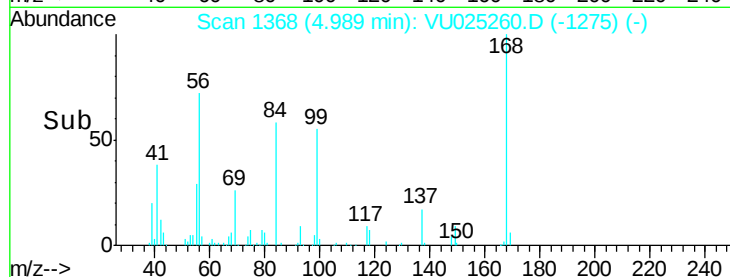
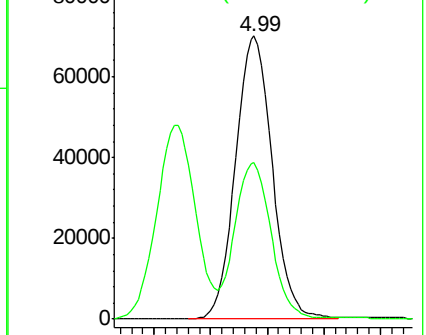
168 100

99 54.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 40.943 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025260.D

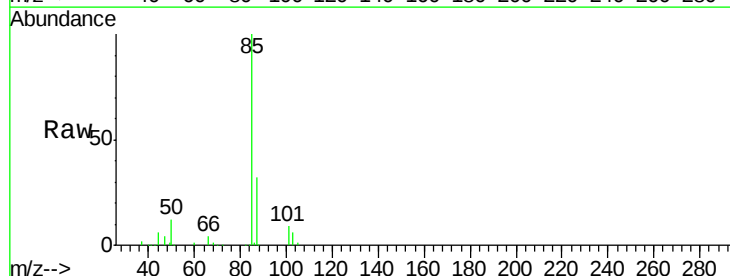
Acq: 06 Jul 2018 23:20

Tgt Ion: 85 Resp: 81105

Ion Ratio Lower Upper

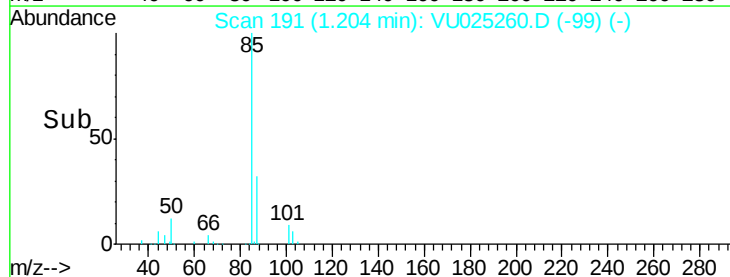
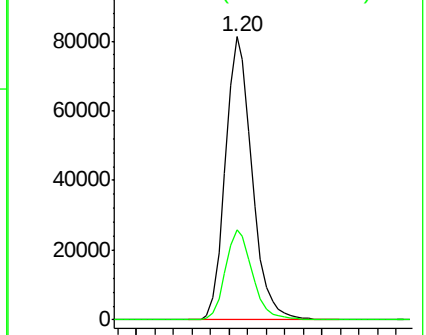
85 100

87 32.0 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: 43.609 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

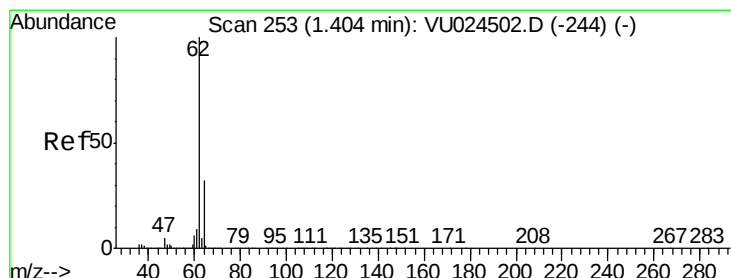
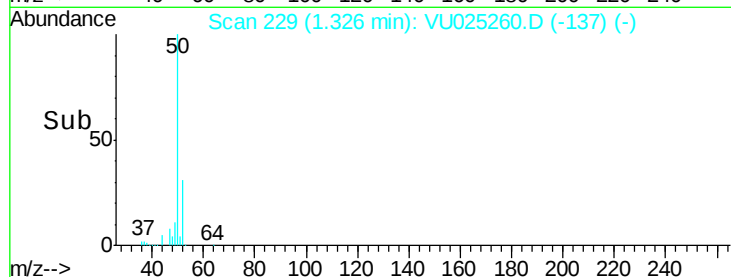
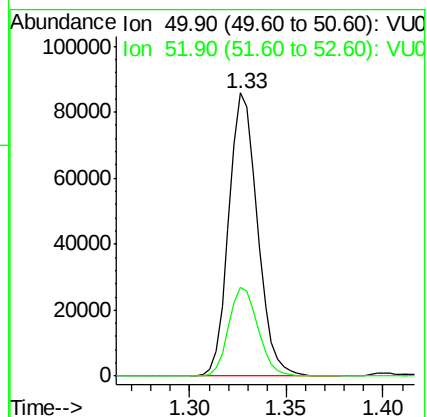
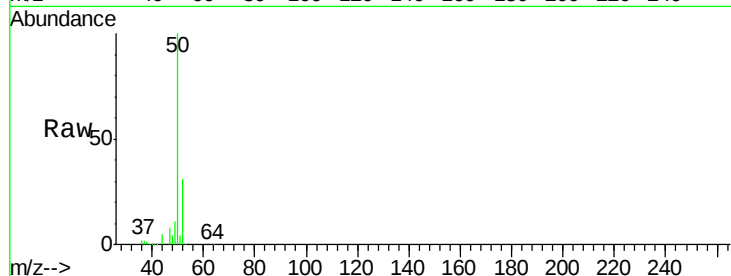
WP021MW470-180628MS

Tot Ion: 50 Resp: 88256

Ion Ratio Lower Upper

50 100

52 31.4 26.4 39.6



#4

Vinyl Chloride

Concen: 47.499 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025260.D

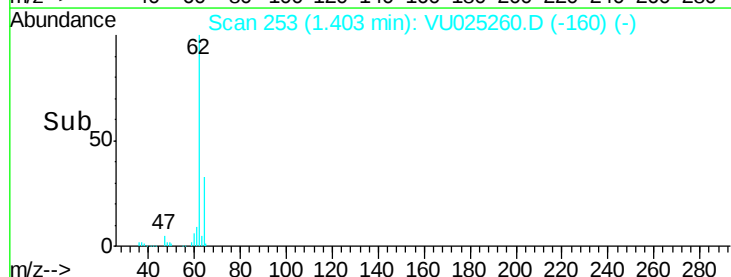
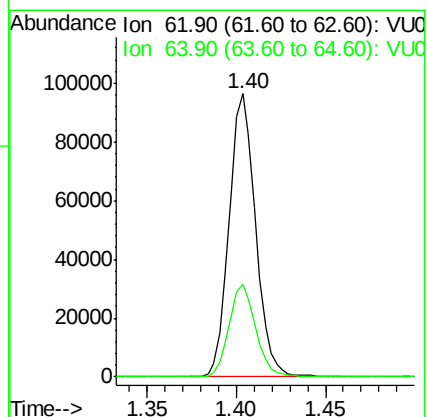
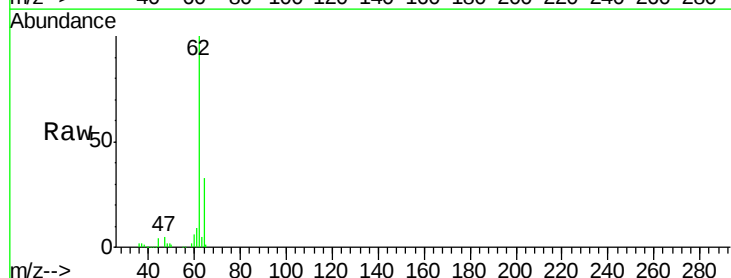
Acq: 06 Jul 2018 23:20

Tgt Ion: 62 Resp: 99136

Ion Ratio Lower Upper

62 100

64 32.4 24.8 37.2





#5

Bromomethane

Concen: 54.553 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

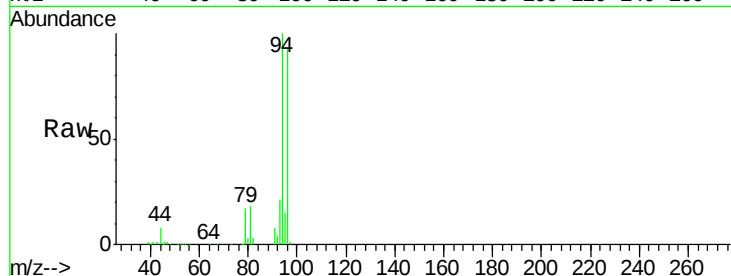
WP021MW470-180628MS

Tot Ion: 94 Resp: 55042

Ion Ratio Lower Upper

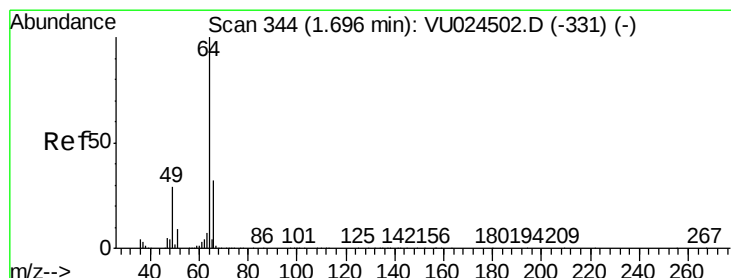
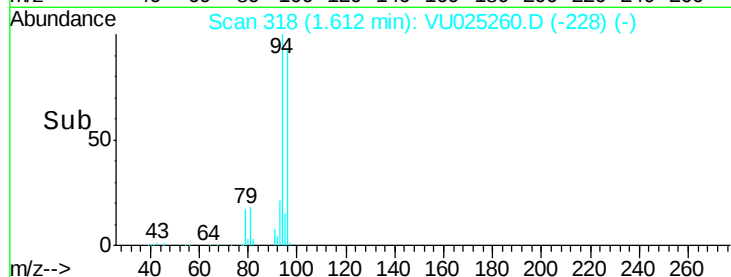
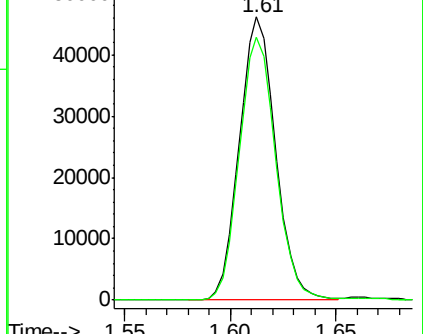
94 100

96 93.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 54.388 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025260.D

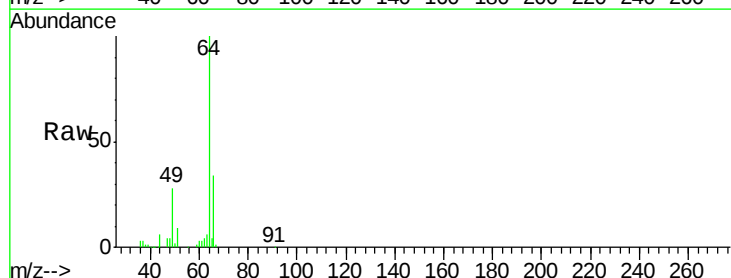
Acq: 06 Jul 2018 23:20

Tgt Ion: 64 Resp: 63323

Ion Ratio Lower Upper

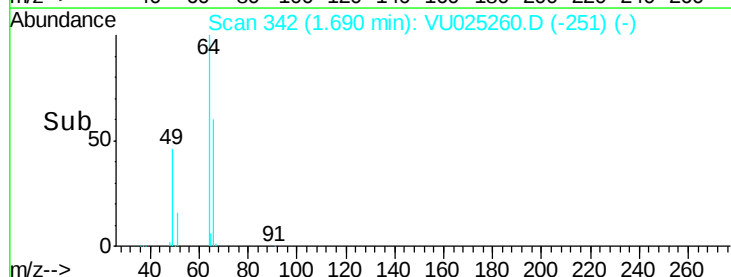
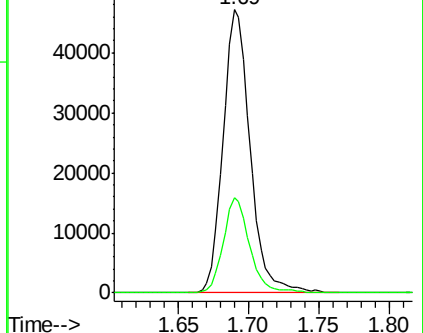
64 100

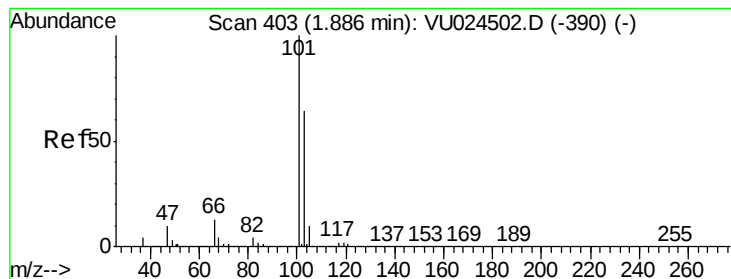
66 33.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



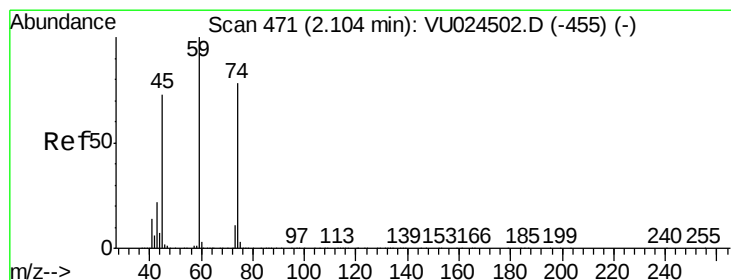
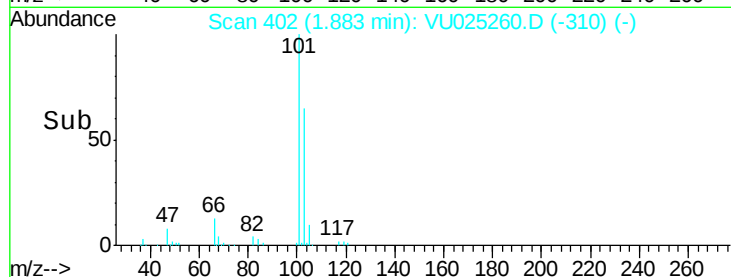
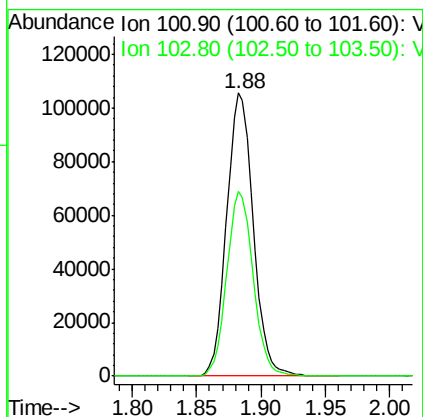
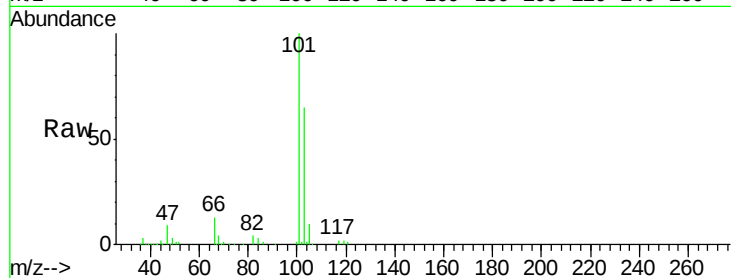


#7

Trichlorofluoromethane
 Concen: 47.482 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VU025260.D
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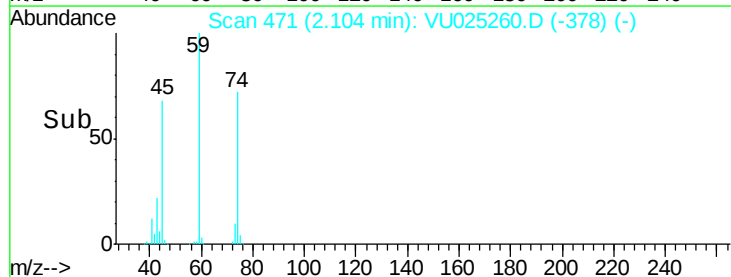
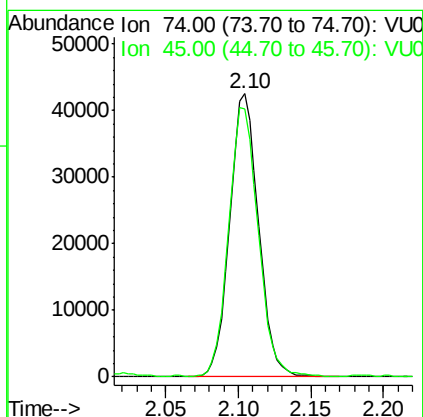
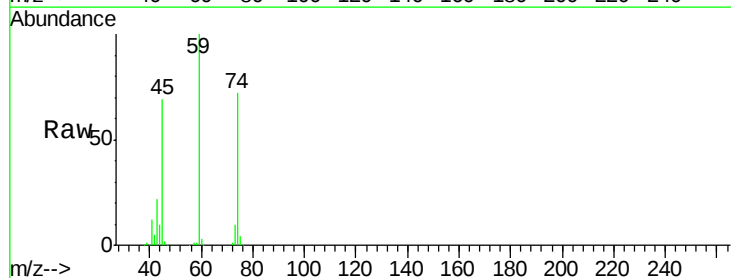
Tot Ion:101 Resp: 151237
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.3 78.5

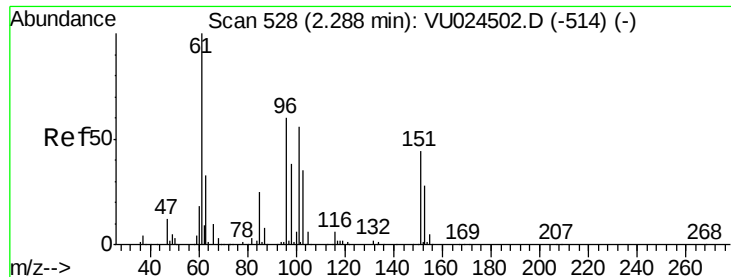


#8

Diethyl Ether
 Concen: 54.230 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025260.D
 Acq: 06 Jul 2018 23:20

Tgt Ion: 74 Resp: 58610
 Ion Ratio Lower Upper
 74 100
 45 97.1 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.463 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

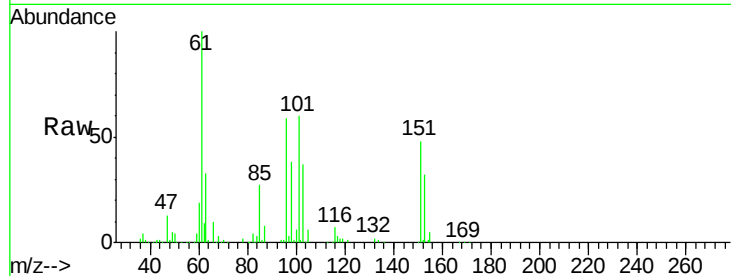
Tot Ion:101 Resp: 89838

Ion Ratio Lower Upper

101 100

85 45.1 36.0 54.0

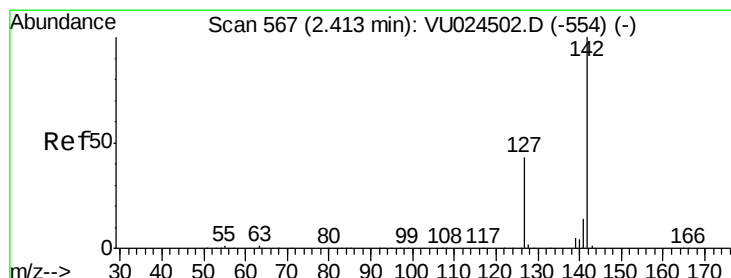
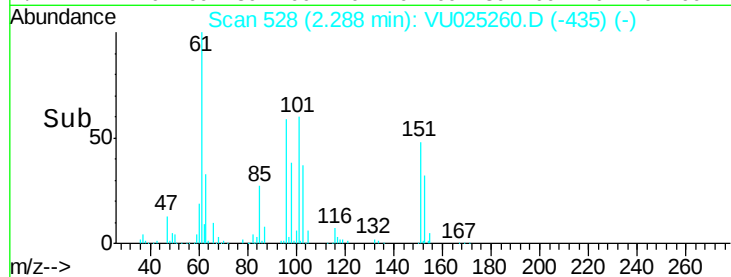
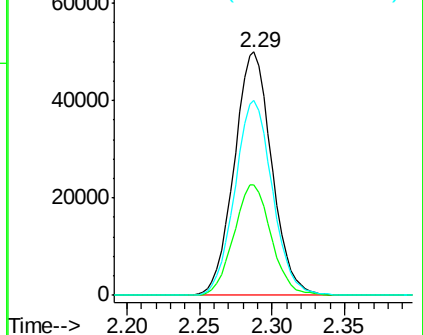
151 80.4 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 64.242 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

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Acq: 06 Jul 2018 23:20

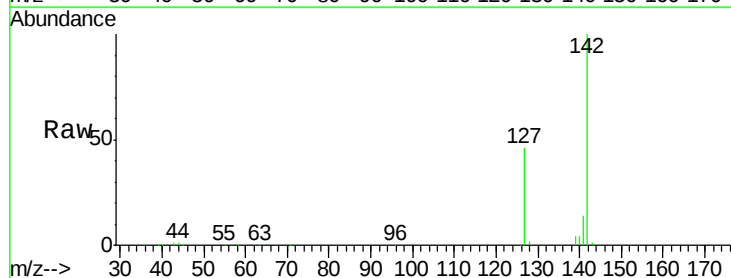
Tgt Ion:142 Resp: 110251

Ion Ratio Lower Upper

142 100

127 45.6 35.6 53.4

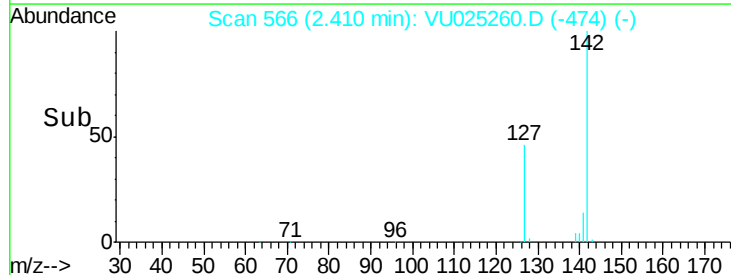
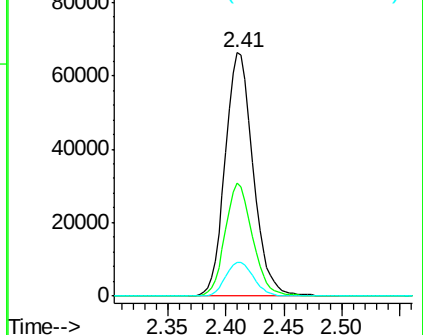
141 14.1 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



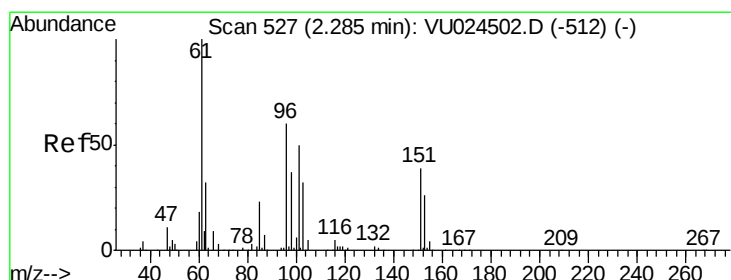
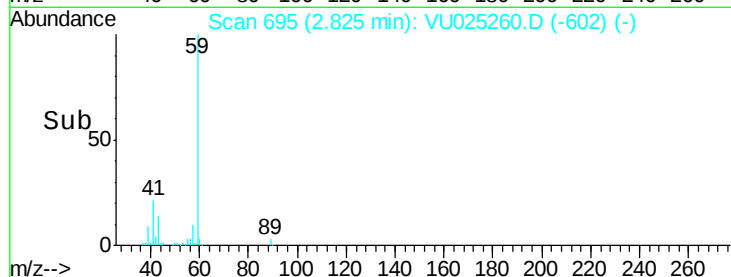
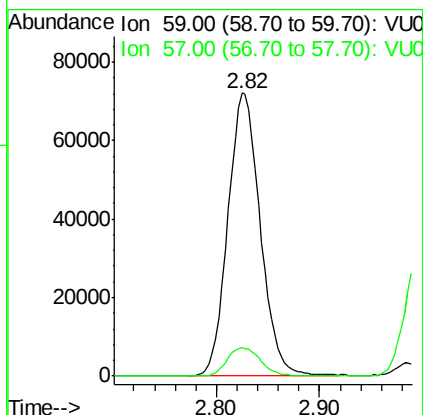
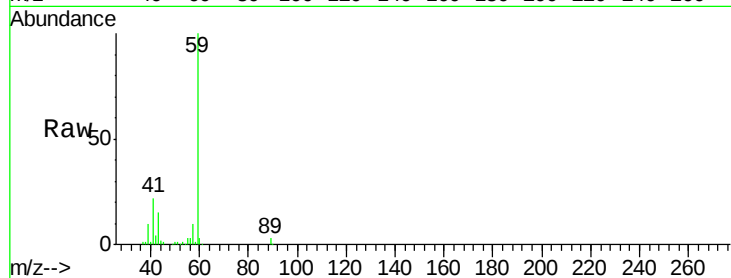


#11

Tert butyl alcohol
 Concen: 250.988 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU025260.D
 Acq: 06 Jul 2018 23:20

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

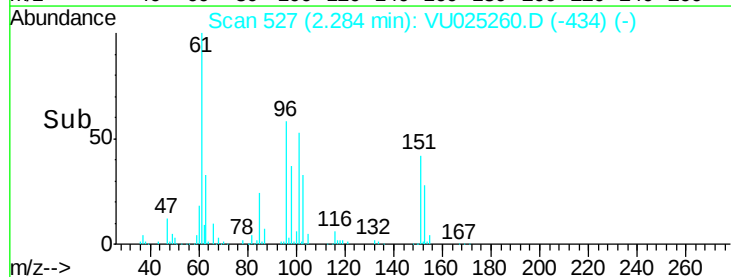
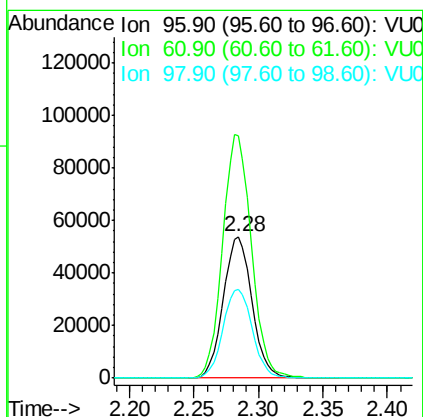
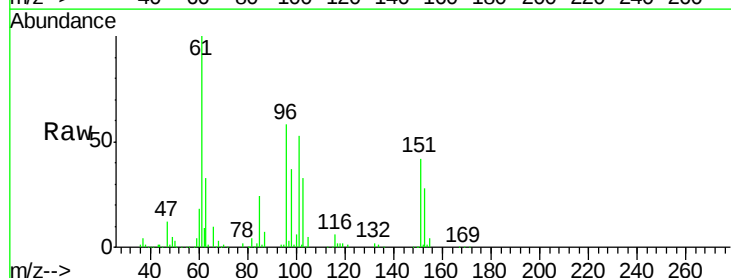
Tot Ion: 59 Resp: 157713
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.5 12.7

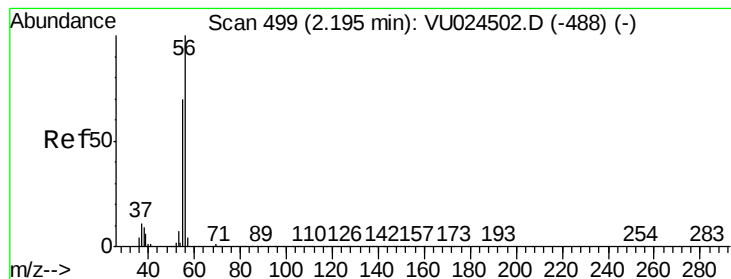


#12

1,1-Dichloroethene
 Concen: 46.298 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025260.D
 Acq: 06 Jul 2018 23:20

Tgt Ion: 96 Resp: 83432
 Ion Ratio Lower Upper
 96 100
 61 171.3 141.7 212.5
 98 62.9 51.6 77.4





#13

Acrolein

Concen: 253.703 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

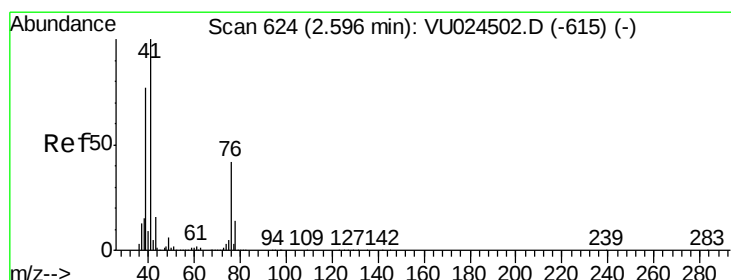
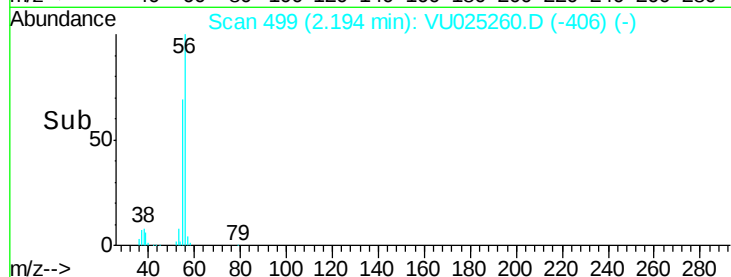
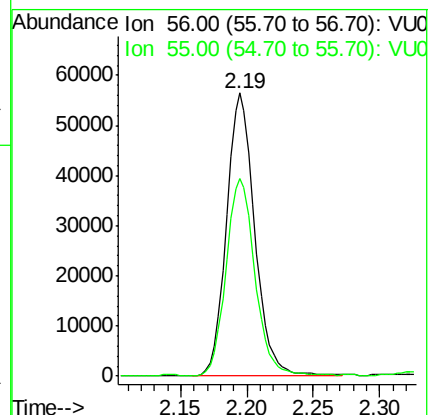
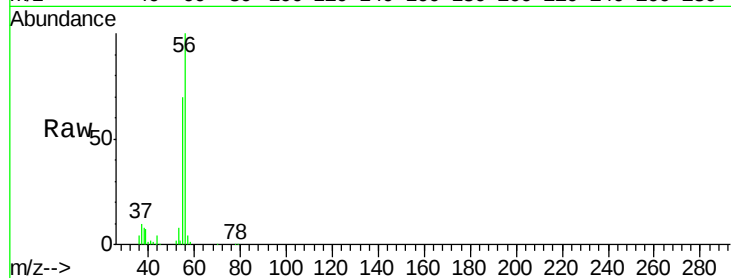
WP021MW470-180628MS

Tot Ion: 56 Resp: 83715

Ion Ratio Lower Upper

56 100

55 70.4 58.4 87.6



#14

Allyl chloride

Concen: 43.934 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

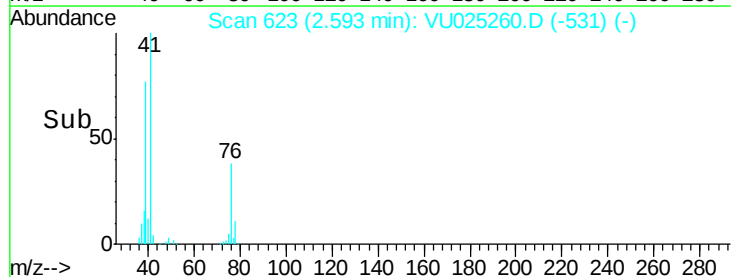
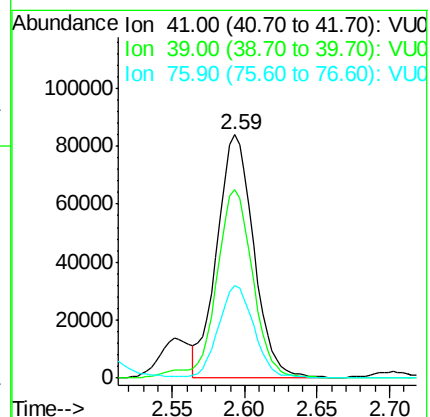
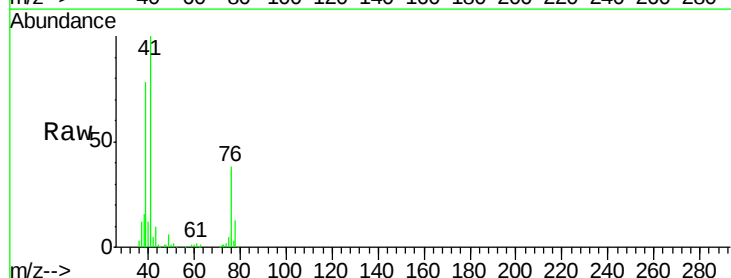
Tgt Ion: 41 Resp: 147001

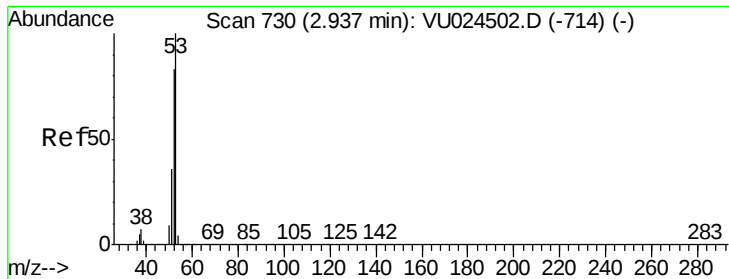
Ion Ratio Lower Upper

41 100

39 77.1 61.6 92.4

76 37.1 29.7 44.5





#15

Acrylonitrile

Concen: 259.041 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

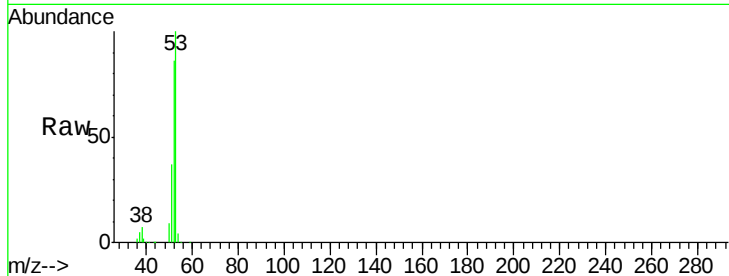
Tot Ion: 53 Resp: 316695

Ion Ratio Lower Upper

53 100

52 84.4 67.1 100.7

51 37.7 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VU024502.D (-714) (-)

Ion 52.00 (51.70 to 52.70): VU024502.D (-714) (-)

Ion 51.00 (50.70 to 51.70): VU024502.D (-714) (-)

2.93

150000

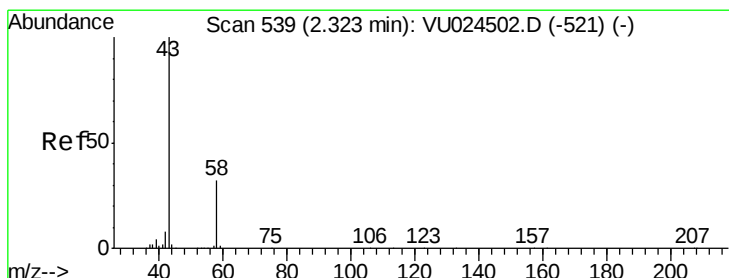
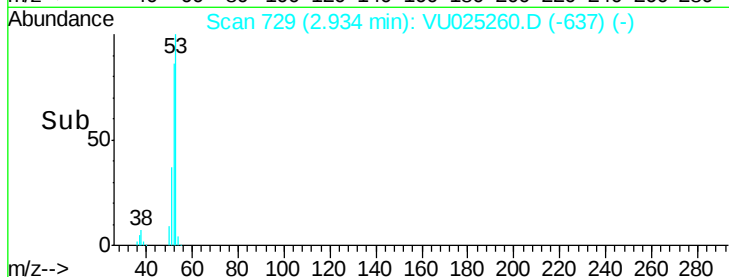
100000

50000

0

2.90 3.00 3.10

Time-->



#16

Acetone

Concen: 218.974 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025260.D

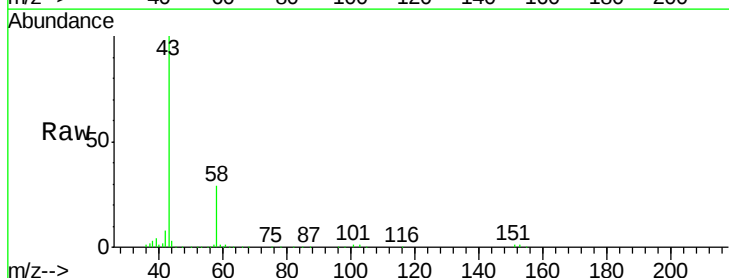
Acq: 06 Jul 2018 23:20

Tgt Ion: 43 Resp: 303979

Ion Ratio Lower Upper

43 100

58 29.3 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-521) (-)

2.32

200000

150000

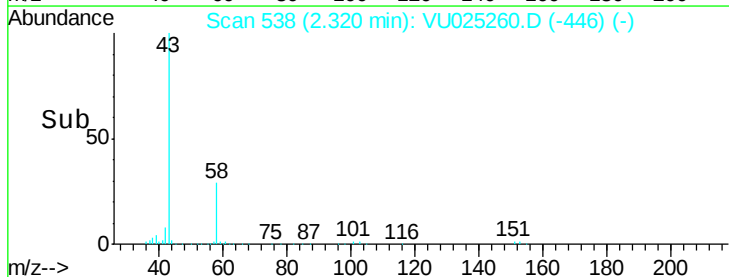
100000

50000

0

2.20 2.30 2.40

Time-->

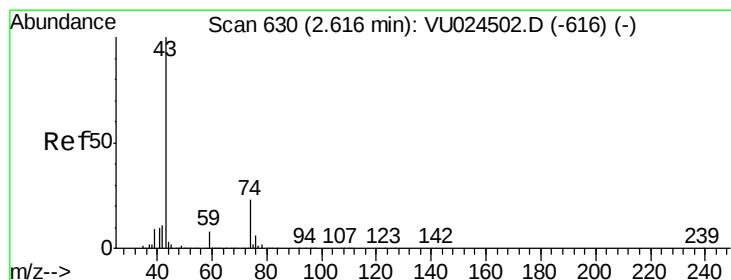
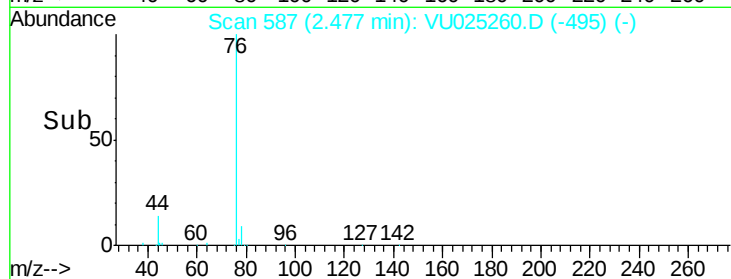
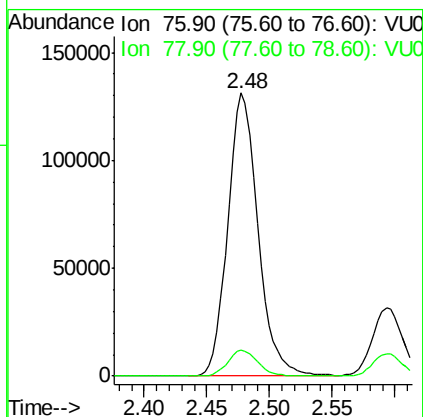
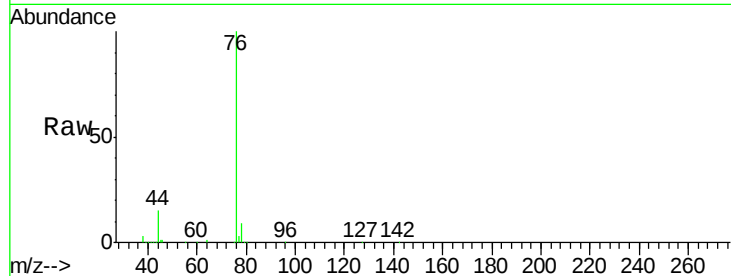




#17
Carbon Disulfide
Concen: 38.119 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

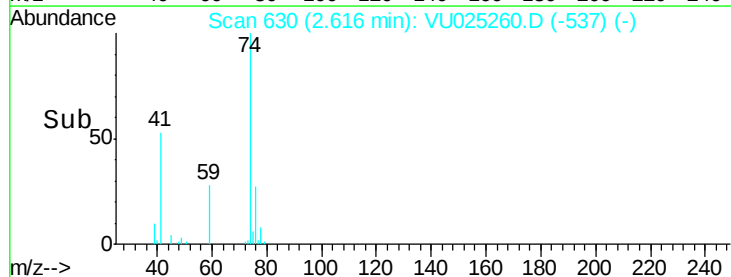
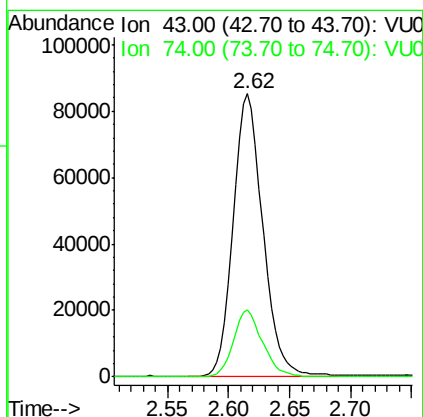
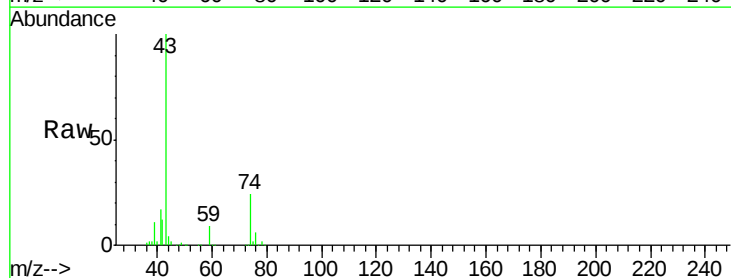
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion: 76 Resp: 219956
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 48.275 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

Tgt Ion: 43 Resp: 143668
Ion Ratio Lower Upper
43 100
74 23.4 18.0 27.0

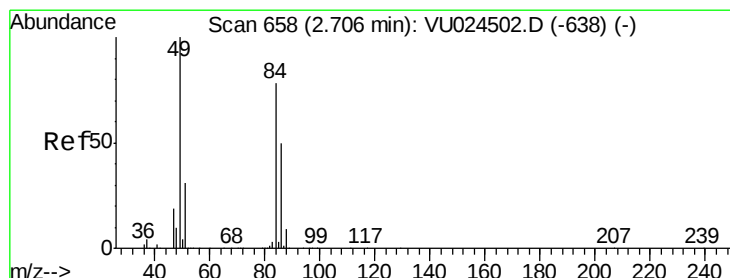
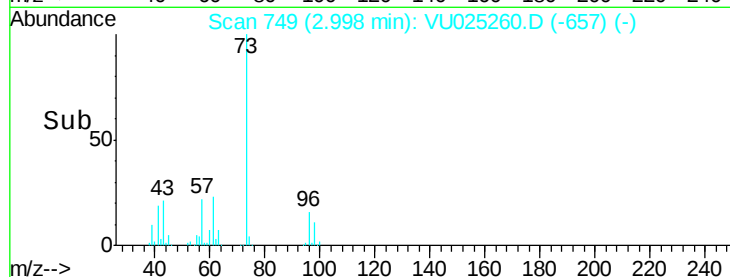
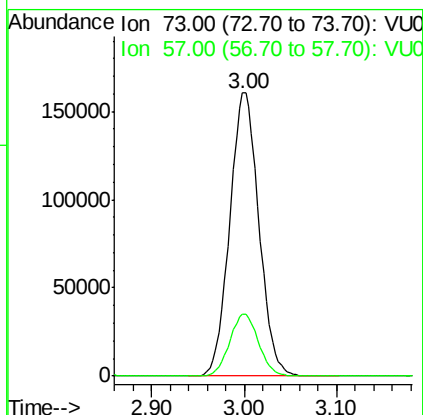
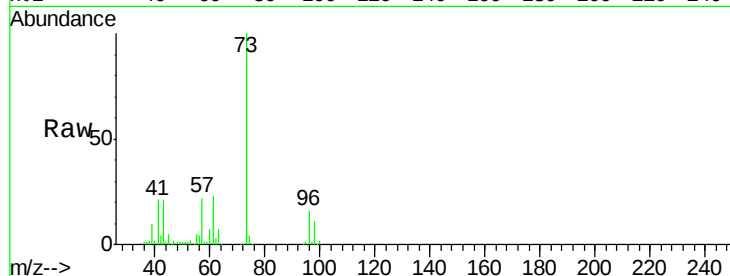




#19
Methyl tert-butyl Ether
Concen: 51.704 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

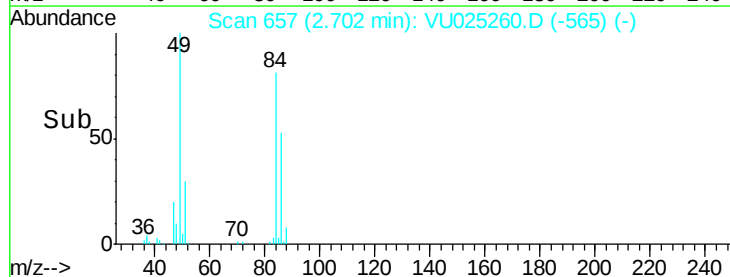
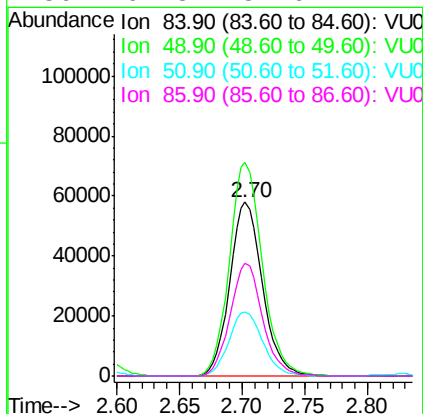
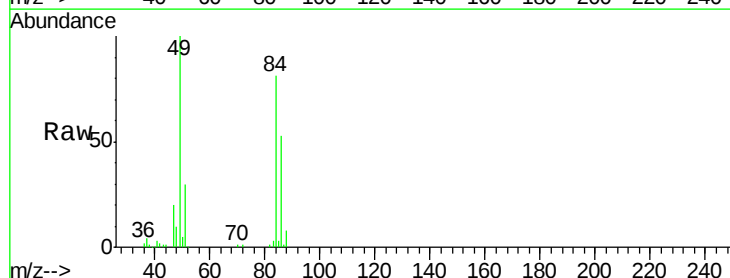
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion: 73 Resp: 350235
Ion Ratio Lower Upper
73 100
57 21.9 18.8 28.2



#20
Methylene Chloride
Concen: 47.981 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

Tgt Ion: 84 Resp: 104511
Ion Ratio Lower Upper
84 100
49 122.8 103.8 155.8
51 36.9 32.0 48.0
86 64.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 46.831 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

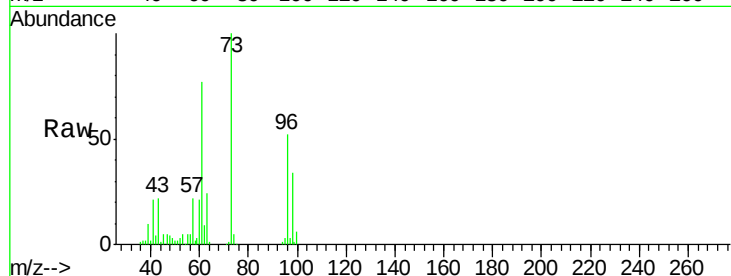
Tot Ion: 96 Resp: 92948

Ion Ratio Lower Upper

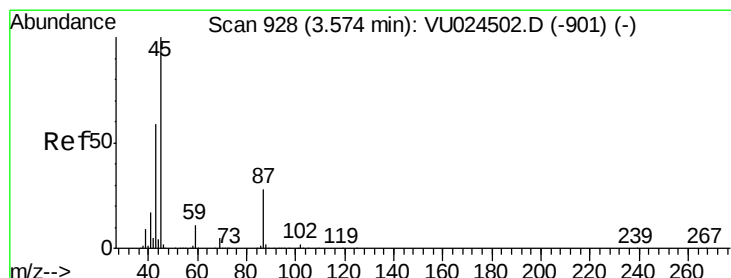
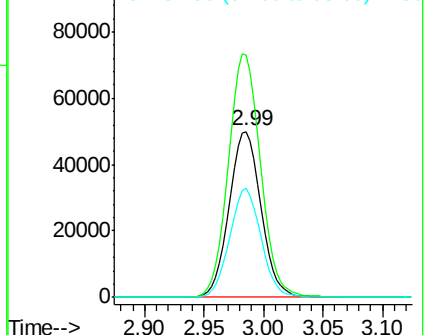
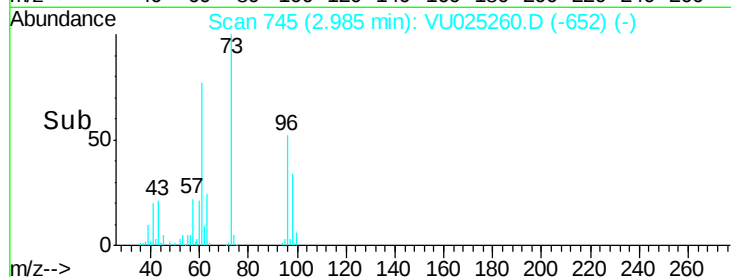
96 100

61 145.8 119.4 179.0

98 65.7 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU025260.D (-652) (-)



#22

Diisopropyl ether

Concen: 50.644 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Tgt Ion: 45 Resp: 335911

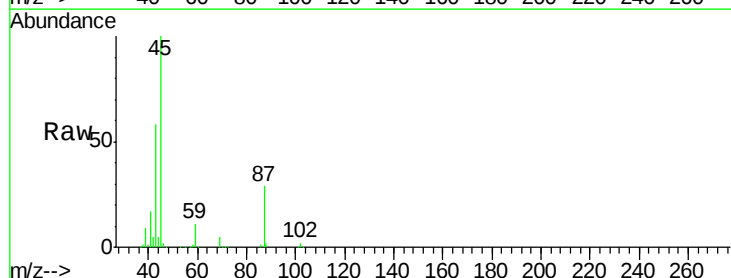
Ion Ratio Lower Upper

45 100

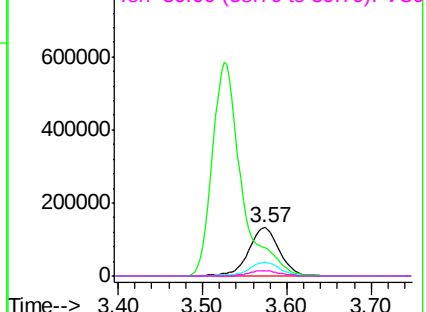
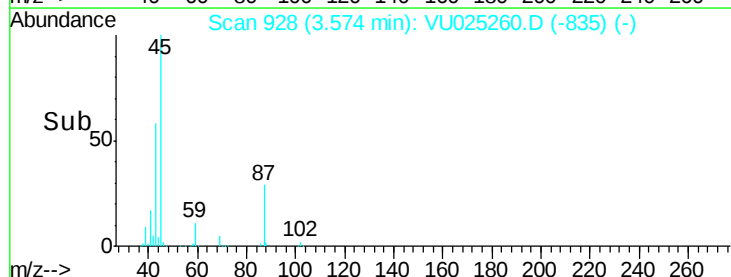
43 57.3 45.8 68.6

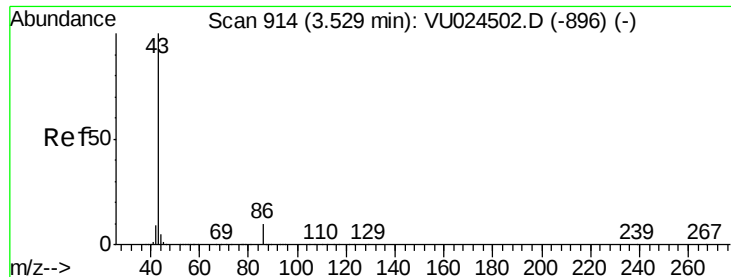
87 28.5 20.6 31.0

59 11.3 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU025260.D (-835) (-)





#23

Vinyl Acetate

Concen: 237.336 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

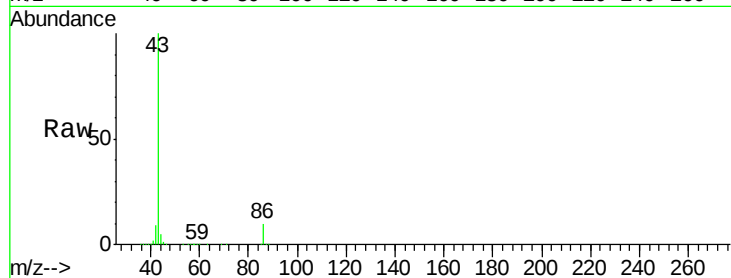
MSVOA_U

ClientSampleId :

WP021MW470-180628MS

Tot Ion: 43 Resp: 1410157

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8

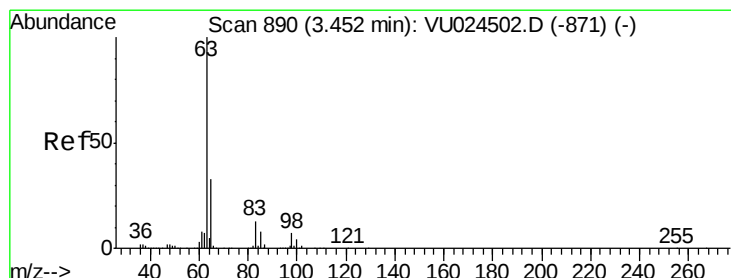
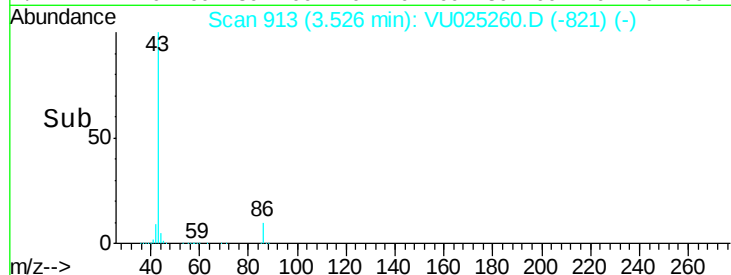


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

Time-->



#24

1,1-Dichloroethane

Concen: 49.654 ug/l

RT: 3.45 min Scan# 889

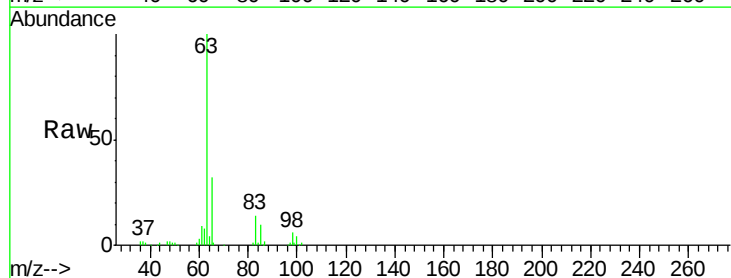
Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Tgt Ion: 63 Resp: 189461

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.5	10.4
100	3.9	1.8	5.5



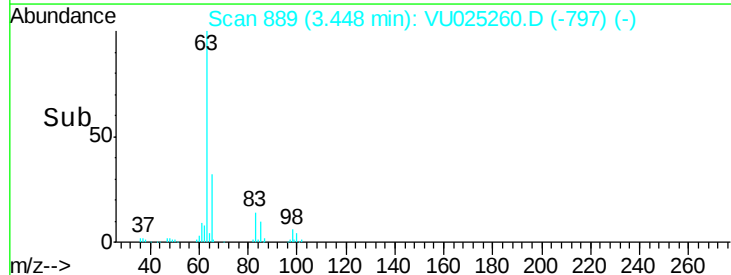
Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

Time-->

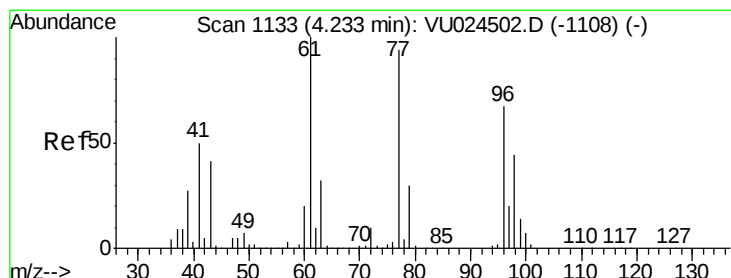
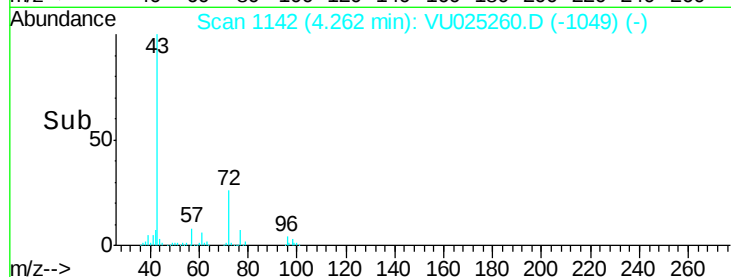
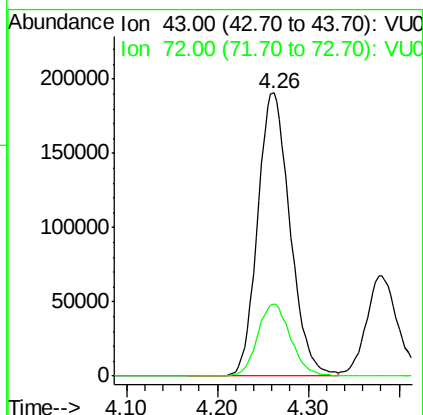
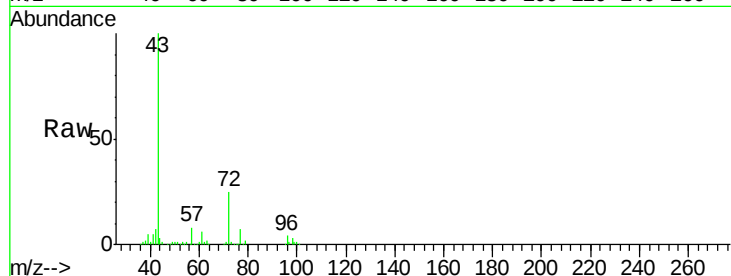




#25
2-Butanone
Concen: 252.248 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

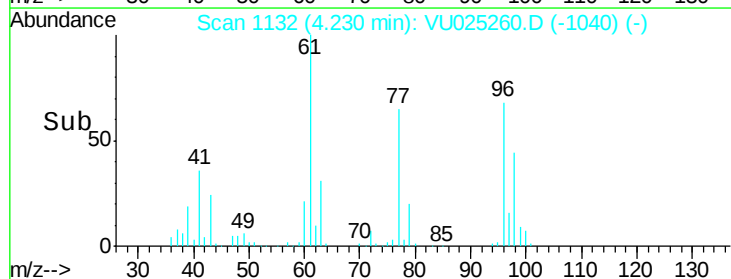
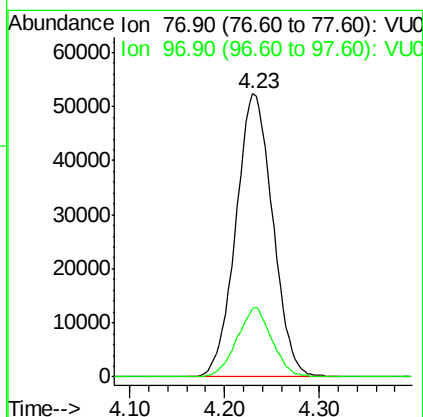
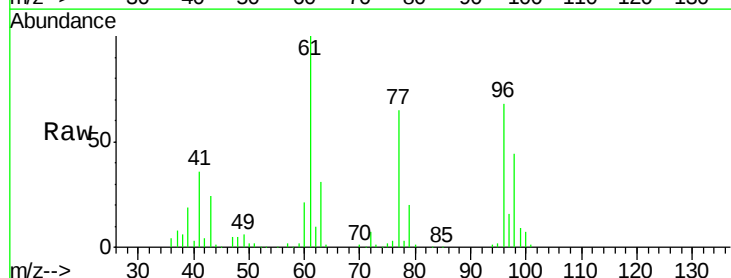
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

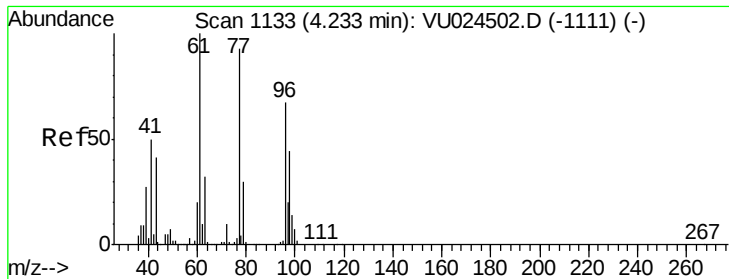
Tot Ion: 43 Resp: 470358
Ion Ratio Lower Upper
43 100
72 25.5 19.6 29.4



#26
2,2-Dichloropropane
Concen: 39.067 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

Tgt Ion: 77 Resp: 141545
Ion Ratio Lower Upper
77 100
97 23.3 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 58.792 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

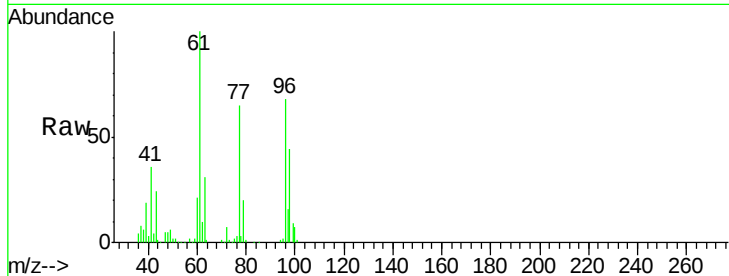
Tot Ion: 96 Resp: 134152

Ion Ratio Lower Upper

96 100

61 148.6 0.0 306.6

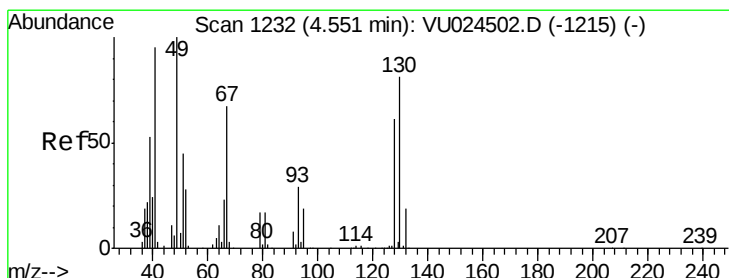
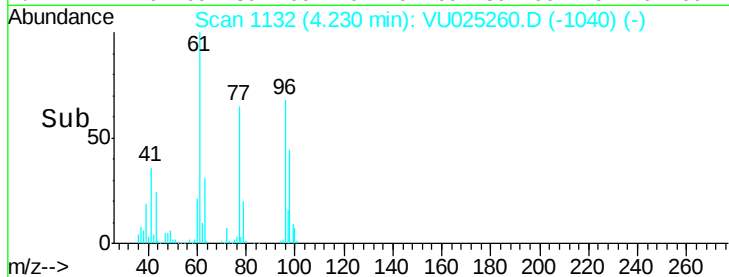
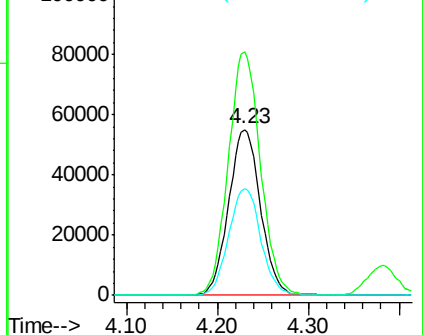
98 65.0 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 59.450 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

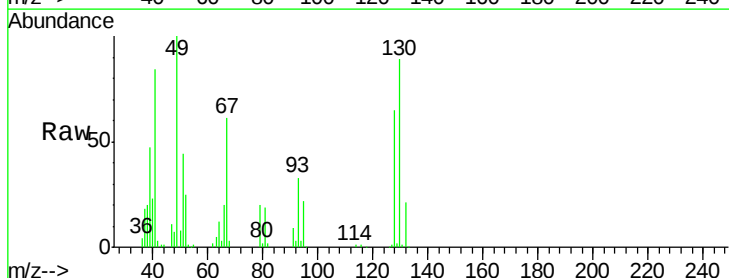
Tgt Ion: 49 Resp: 99915

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

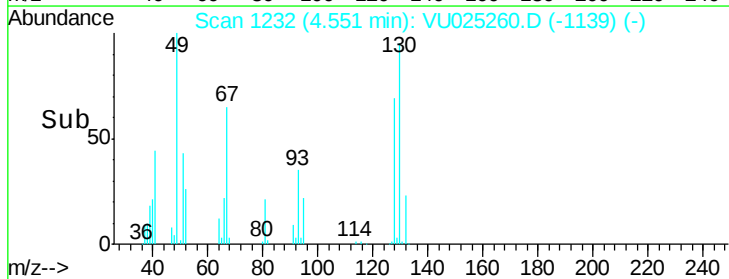
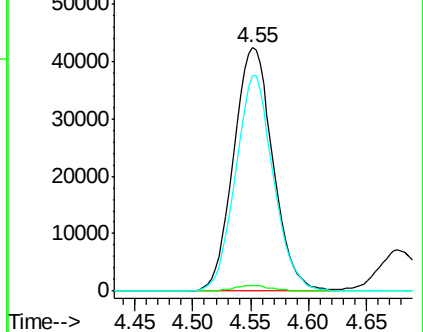
130 85.2 57.8 86.6



Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 258.457 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

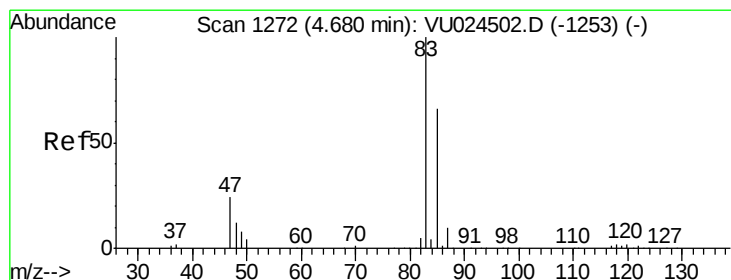
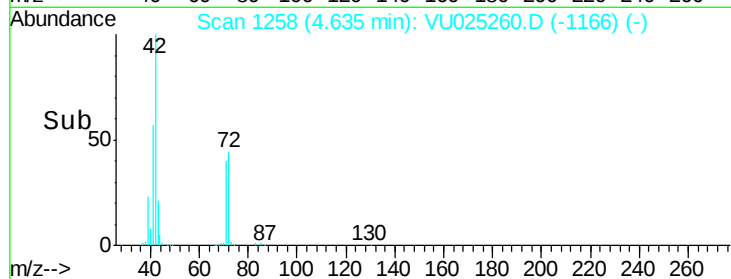
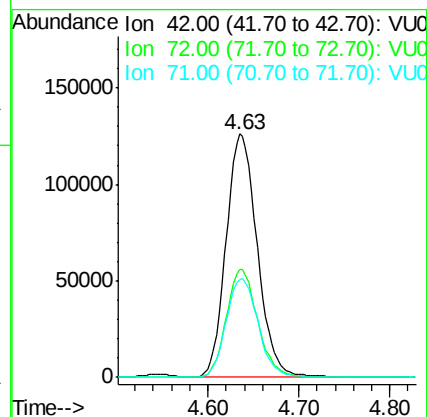
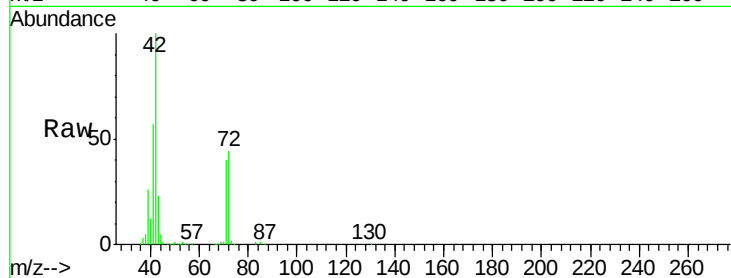
Tot Ion: 42 Resp: 298447

Ion Ratio Lower Upper

42 100

72 45.0 34.5 51.7

71 41.8 32.2 48.4



#30

Chloroform

Concen: 52.486 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU025260.D

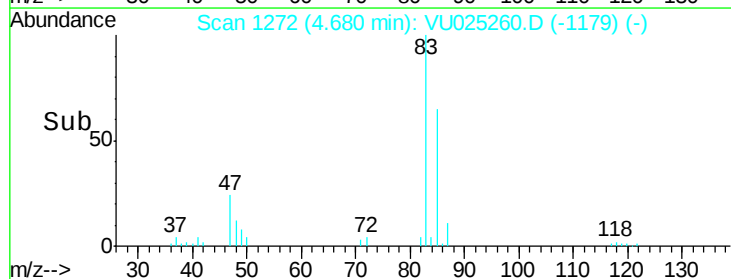
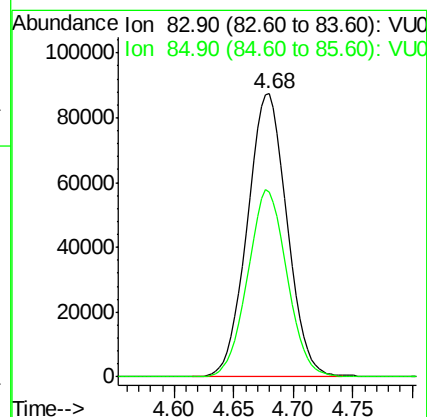
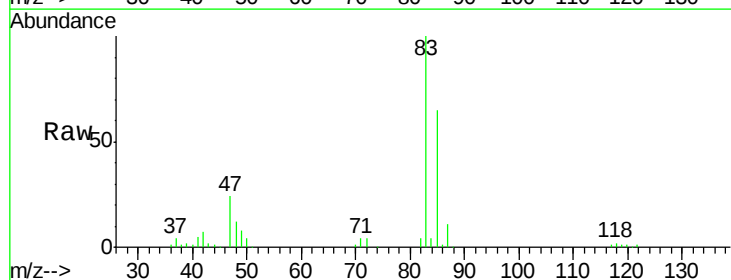
Acq: 06 Jul 2018 23:20

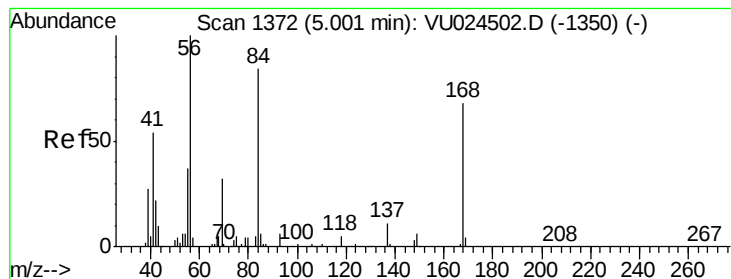
Tgt Ion: 83 Resp: 202703

Ion Ratio Lower Upper

83 100

85 65.3 52.4 78.6





#31

Cyclohexane

Concen: 45.945 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

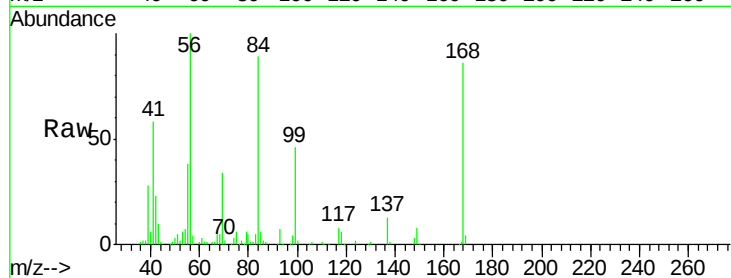
Tot Ion: 56 Resp: 156223

Ion Ratio Lower Upper

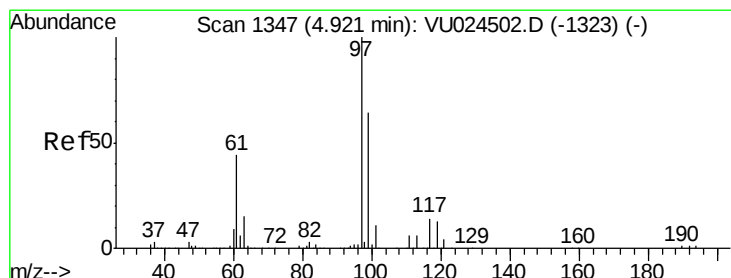
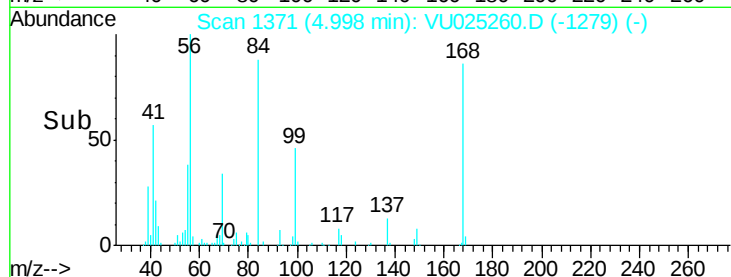
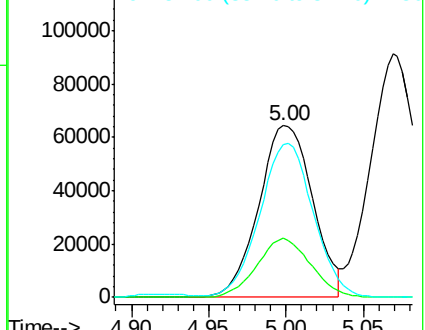
56 100

69 34.3 24.8 37.2

84 87.9 65.2 97.8



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 49.970 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

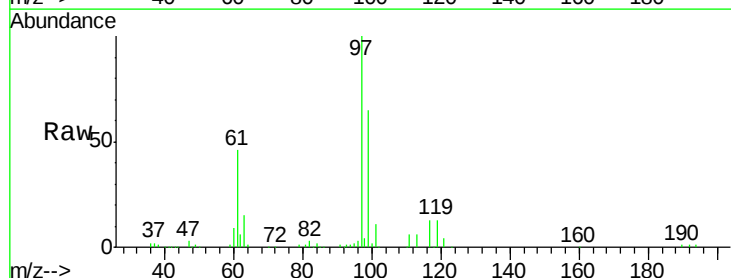
Tgt Ion: 97 Resp: 178460

Ion Ratio Lower Upper

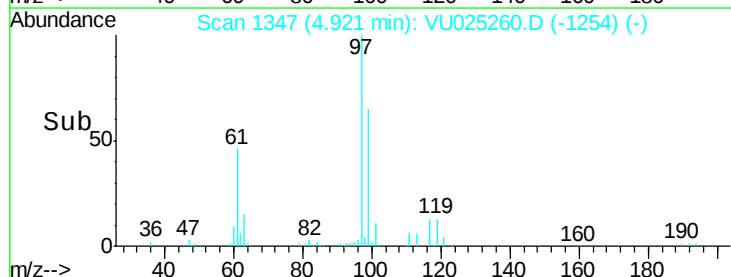
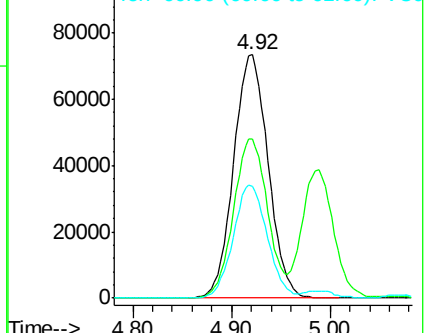
97 100

99 64.9 51.0 76.6

61 45.9 39.4 59.0



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 53.422 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

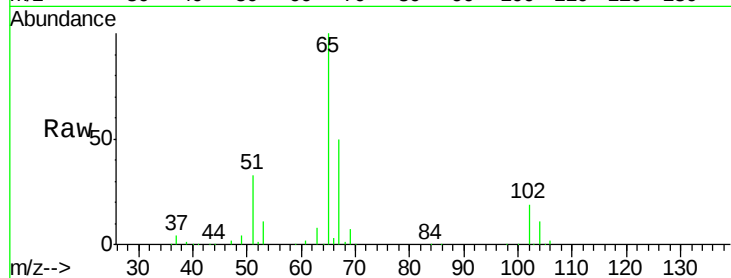
WP021MW470-180628MS

Tot Ion: 65 Resp: 138025

Ion Ratio Lower Upper

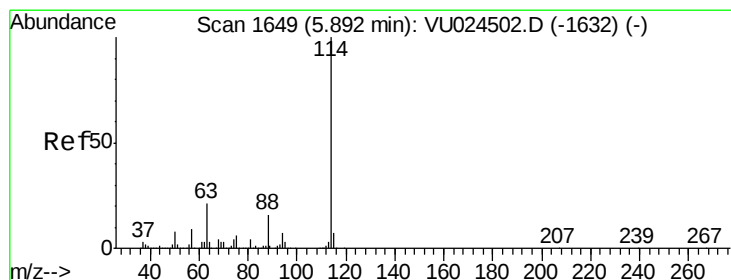
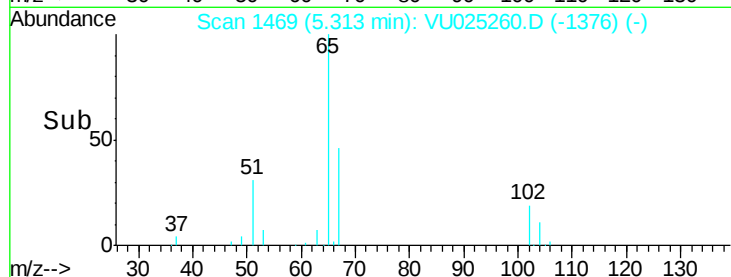
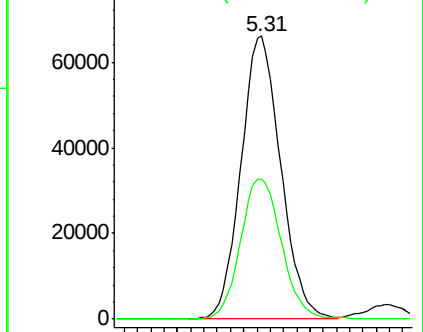
65 100

67 51.3 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU025260.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025260.D (-1376) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

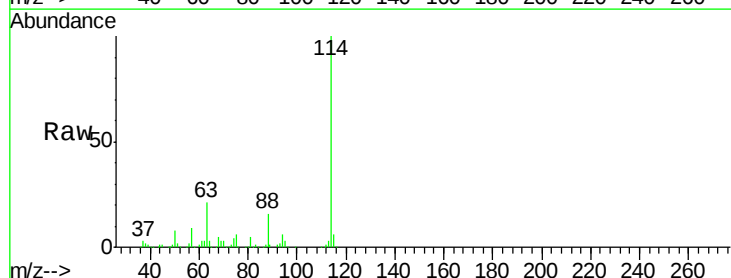
Tgt Ion: 114 Resp: 243083

Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.4

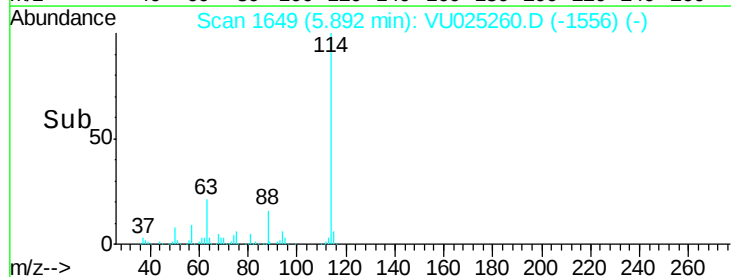
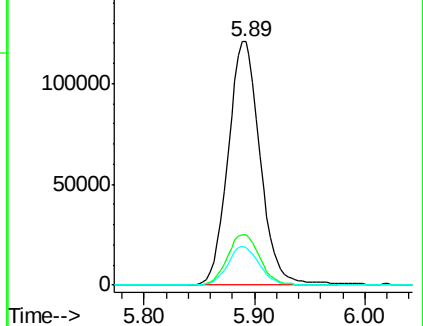
88 15.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU025260.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU025260.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU025260.D (-1556) (-)

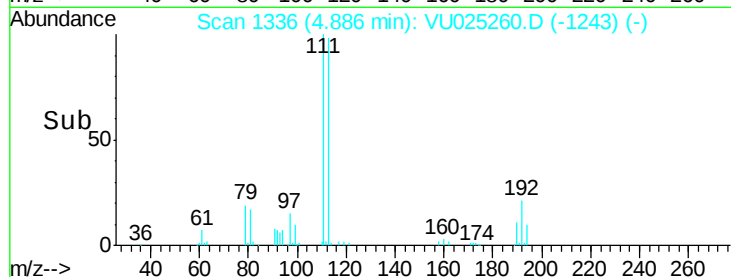
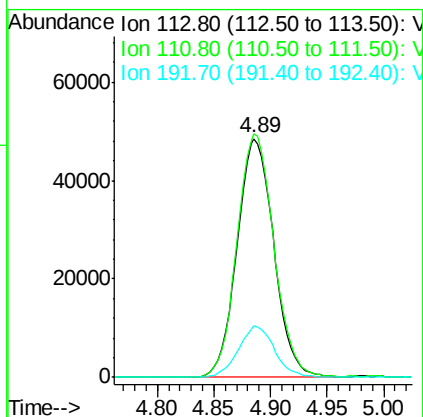
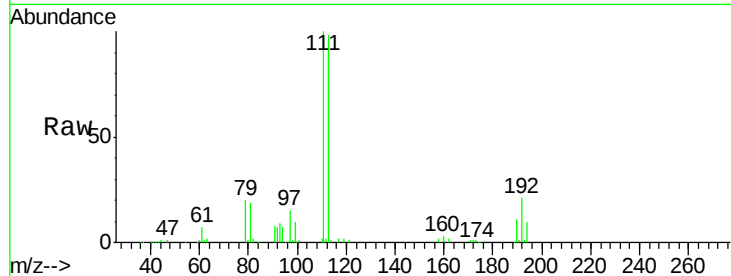




#35
 Dibromofluoromethane
 Concen: 54.477 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025260.D
 Acq: 06 Jul 2018 23:20

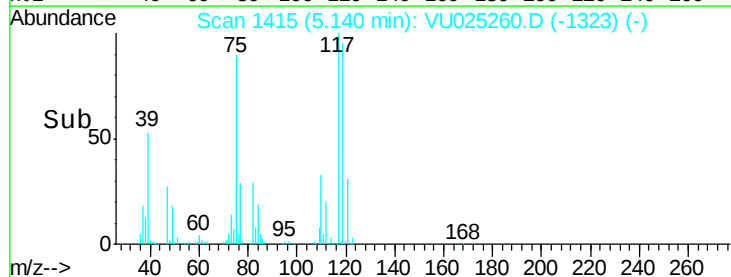
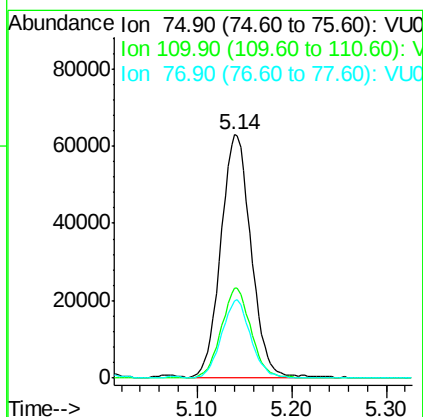
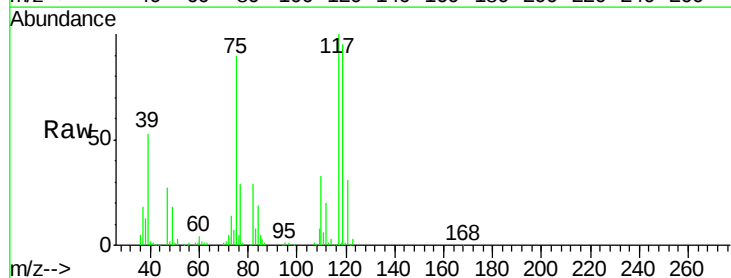
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

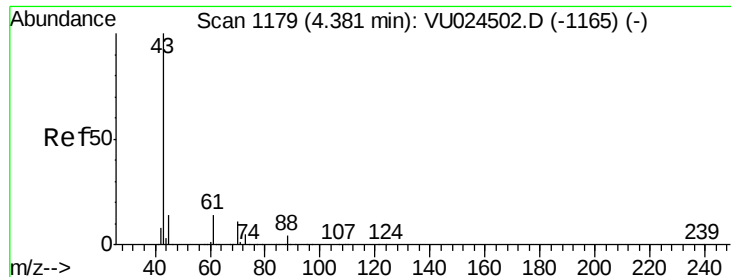
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	21.1	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 48.443 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025260.D
 Acq: 06 Jul 2018 23:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.0	50.9
77	30.7	24.2	36.4

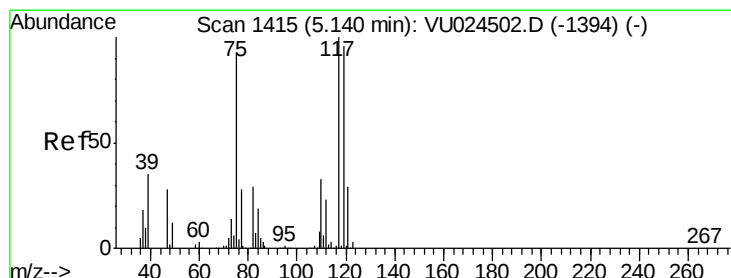
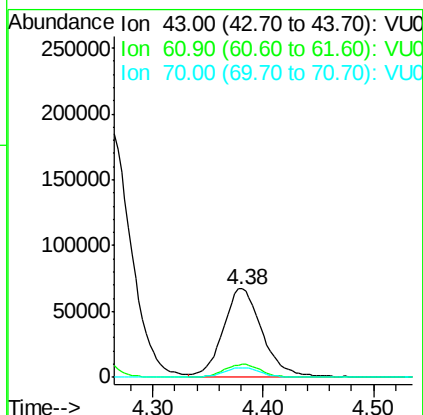
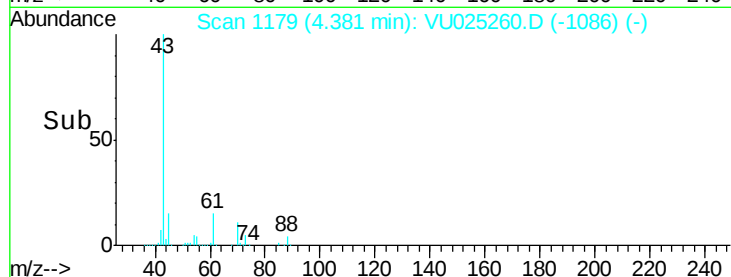
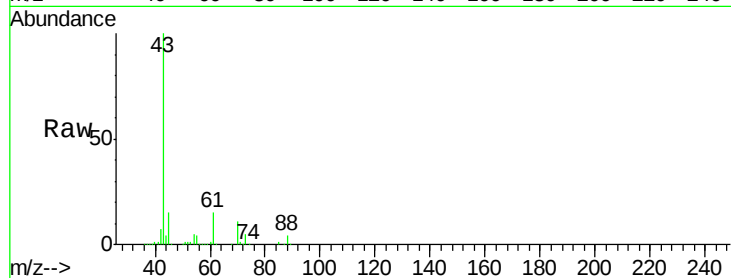




#37
Ethyl Acetate
Concen: 52.010 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

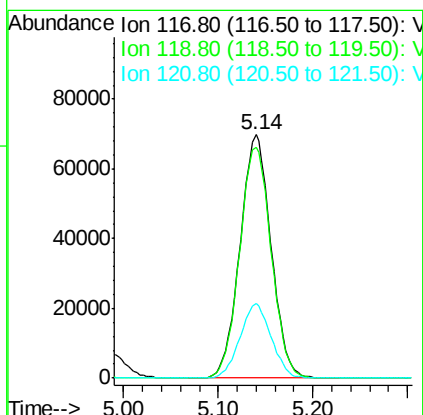
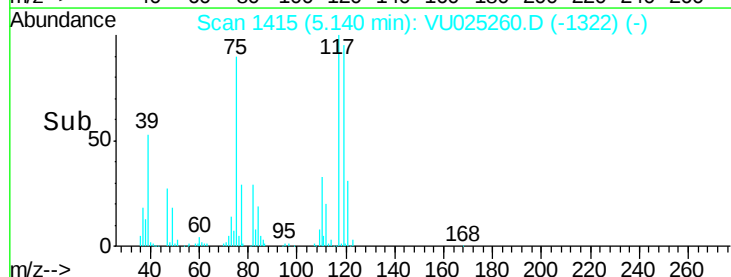
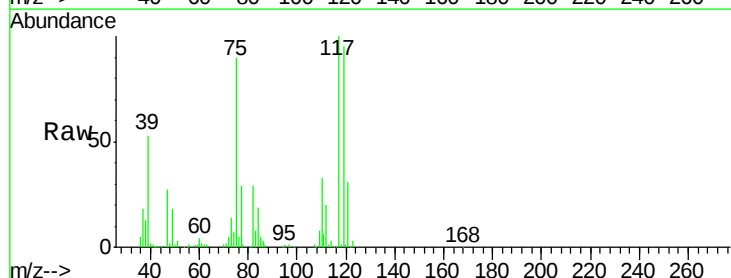
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion: 43 Resp: 161923
Ion Ratio Lower Upper
43 100
61 13.9 10.5 15.7
70 10.7 7.4 11.2



#38
Carbon Tetrachloride
Concen: 50.573 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

Tgt Ion: 117 Resp: 158854
Ion Ratio Lower Upper
117 100
119 94.8 76.1 114.1
121 30.6 23.7 35.5

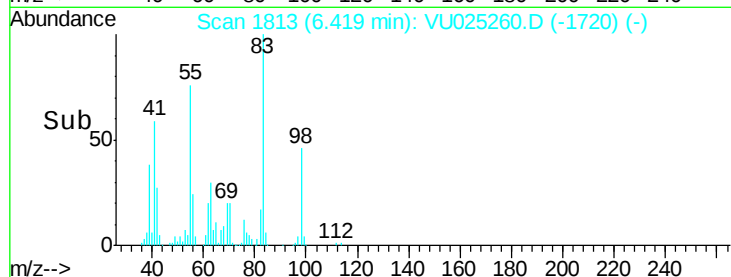
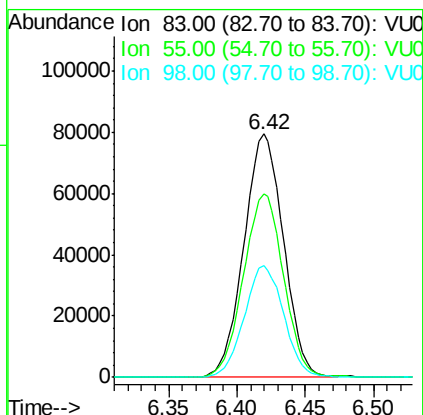
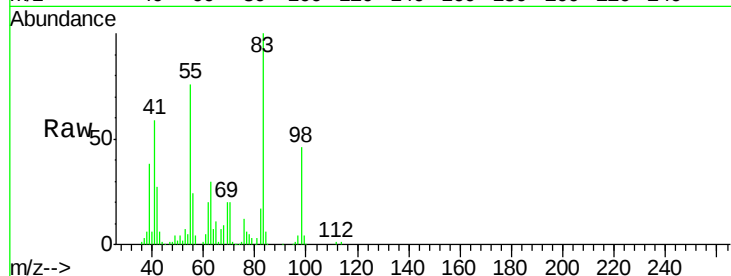




#39
Methvlcvclohexane
Concen: 44.976 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

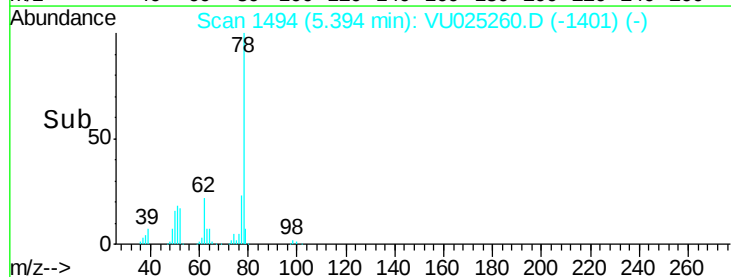
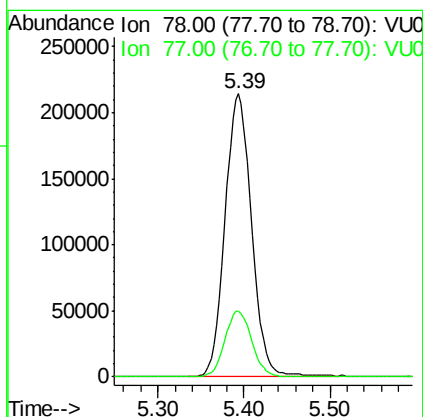
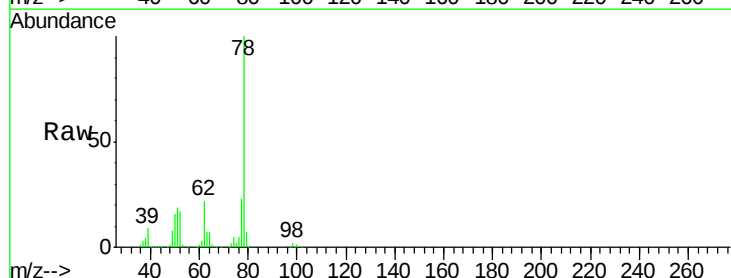
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion: 83 Resp: 160322
Ion Ratio Lower Upper
83 100
55 75.6 65.8 98.6
98 45.7 36.7 55.1



#40
Benzene
Concen: 56.489 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

Tgt Ion: 78 Resp: 459776
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8

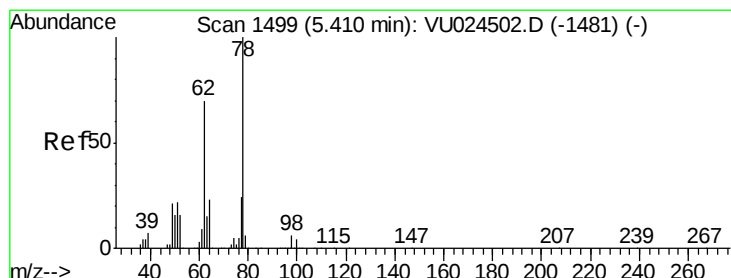
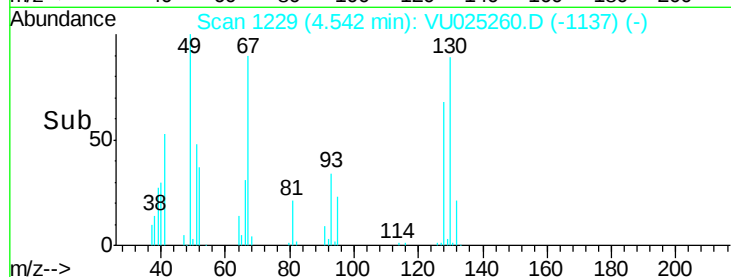
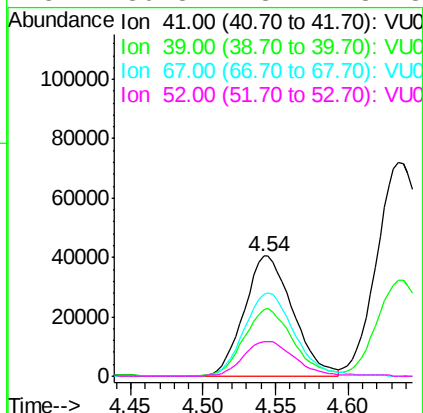
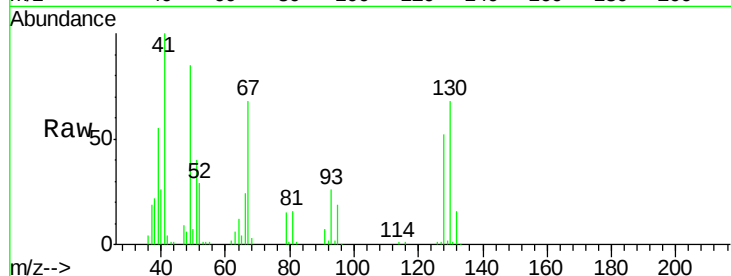




#41
Methacrylonitrile
Concen: 56.569 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

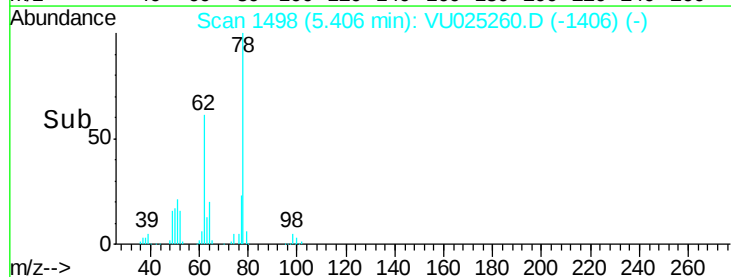
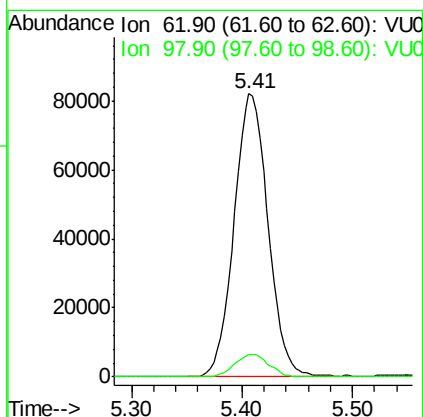
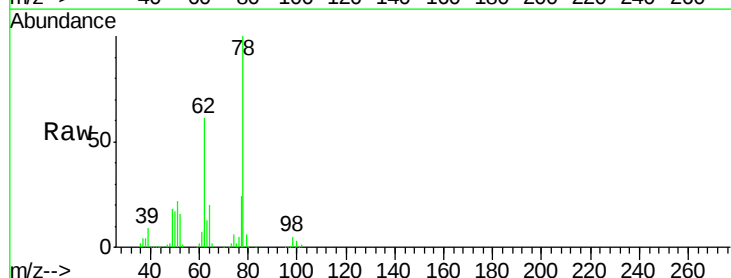
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion:	41	Resp:	94955
Ion	Ratio	Lower	Upper
41	100		
39	56.2	43.8	65.6
67	71.2	56.3	84.5
52	30.8	23.2	34.8



#42
1,2-Dichloroethane
Concen: 56.473 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

Tgt Ion:	62	Resp:	175062
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.6





#43

Isopropyl Acetate

Concen: 49.062 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

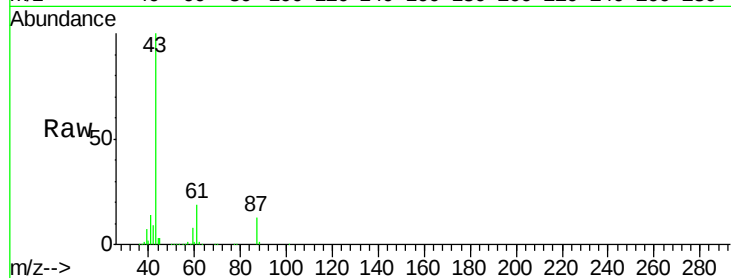
Tot Ion: 43 Resp: 264023

Ion Ratio Lower Upper

43 100

61 19.2 15.4 23.0

87 13.1 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-1528) (-)

Ion 61.00 (60.70 to 61.70): VU024502.D (-1528) (-)

Ion 87.00 (86.70 to 87.70): VU024502.D (-1528) (-)

5.55

150000

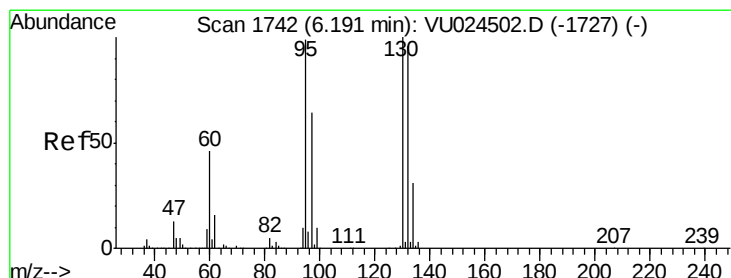
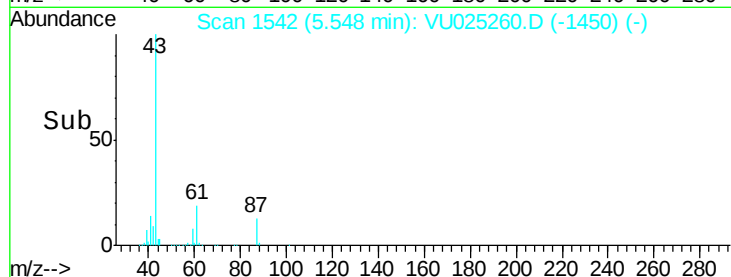
100000

50000

0

Time-->

5.50 5.60



#44

Trichloroethene

Concen: 52.223 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025260.D

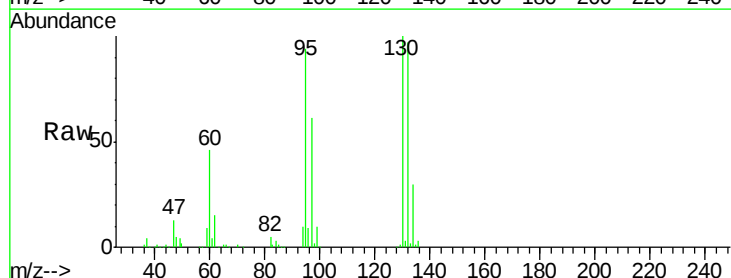
Acq: 06 Jul 2018 23:20

Tgt Ion: 130 Resp: 120969

Ion Ratio Lower Upper

130 100

95 93.8 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024502.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU024502.D (-1727) (-)

6.19

60000

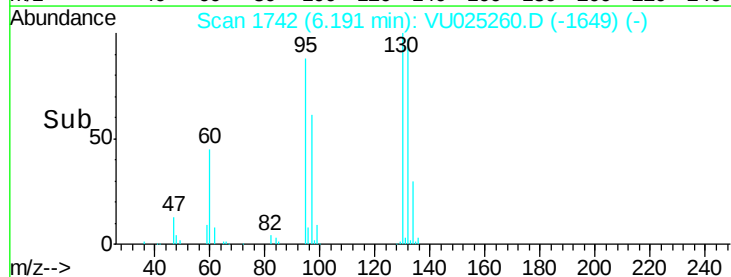
40000

20000

0

Time-->

6.10 6.15 6.20 6.25 6.30





#45

1,2-Dichloropropane

Concen: 51.510 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

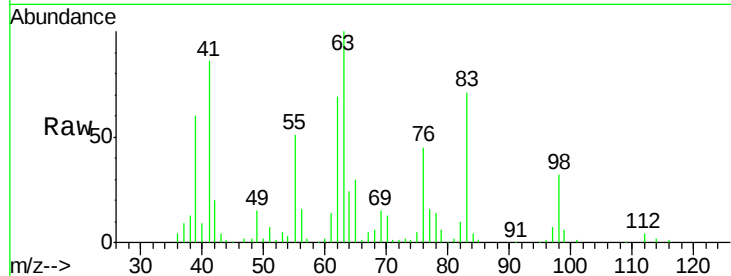
WP021MW470-180628MS

Tot Ion: 63 Resp: 111867

Ion Ratio Lower Upper

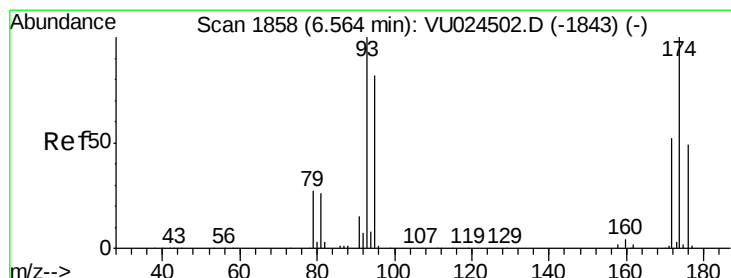
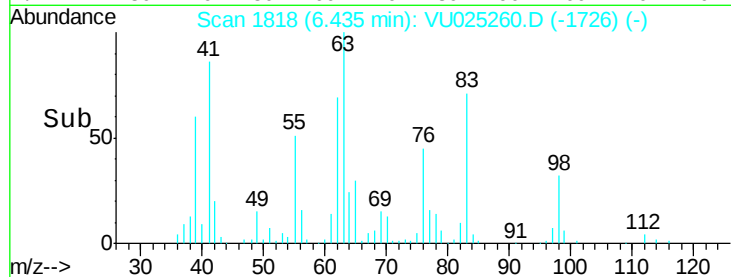
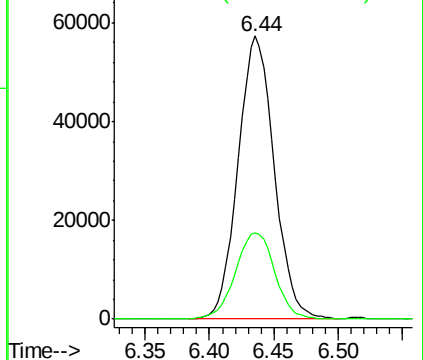
63 100

65 30.4 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 53.625 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

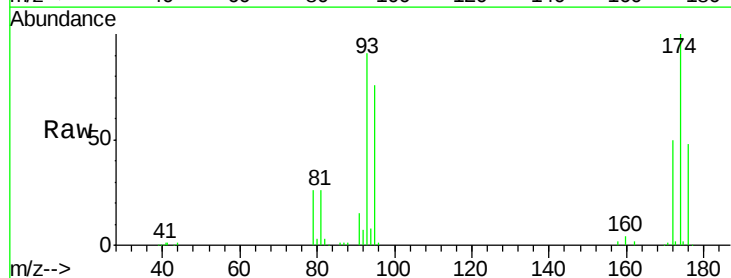
Tgt Ion: 93 Resp: 81803

Ion Ratio Lower Upper

93 100

95 81.9 65.5 98.3

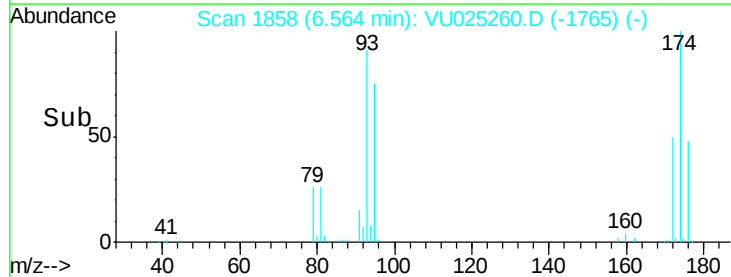
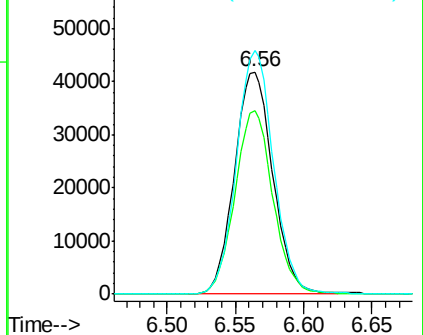
174 106.1 78.7 118.1



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.881 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

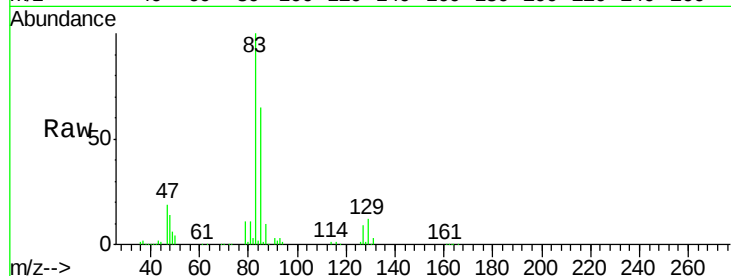
Tot Ion: 83 Resp: 154556

Ion Ratio Lower Upper

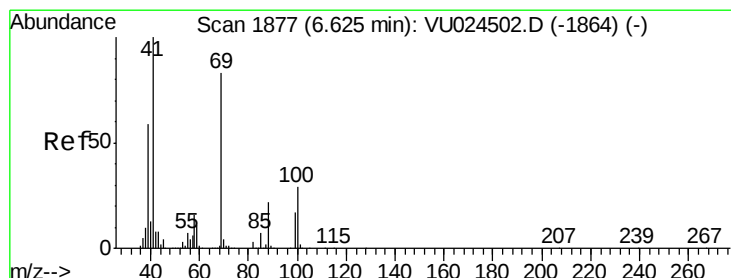
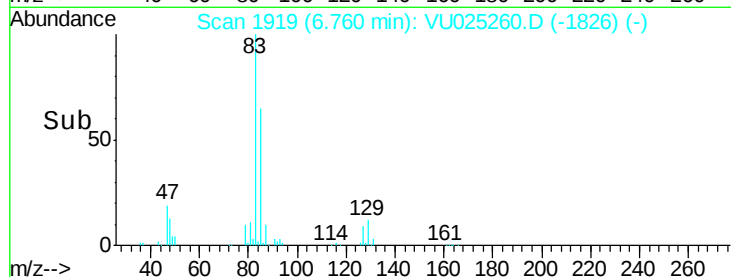
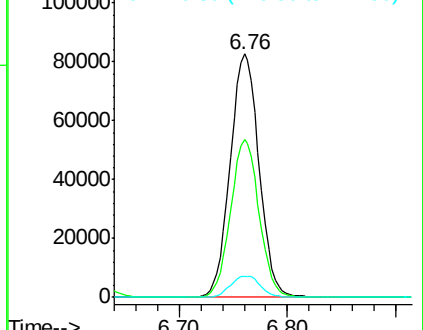
83 100

85 64.7 51.9 77.9

127 8.8 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.488 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

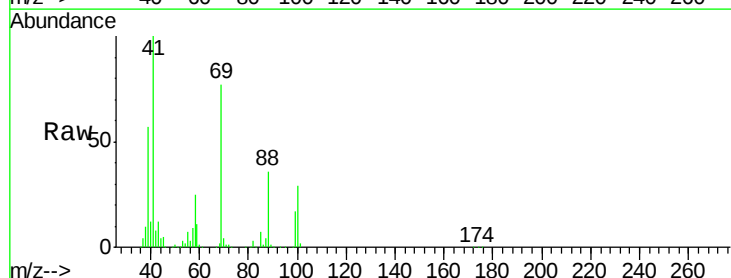
Tgt Ion: 41 Resp: 140162

Ion Ratio Lower Upper

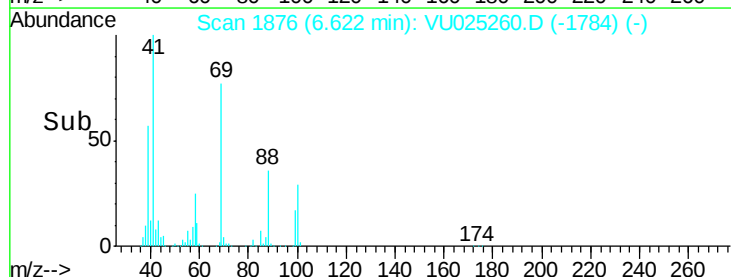
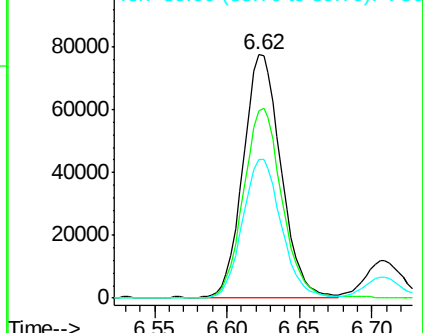
41 100

69 79.5 67.3 100.9

39 58.0 46.5 69.7



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0





#49

1,4-Dioxane

Concen: 1268.505 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

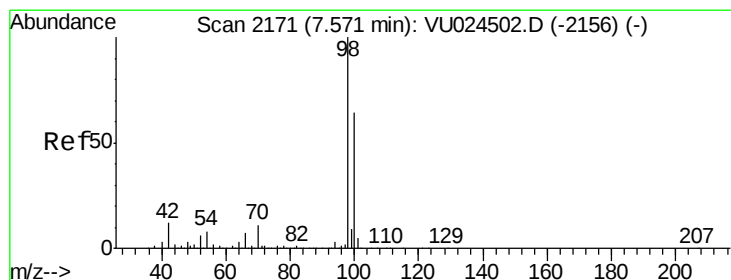
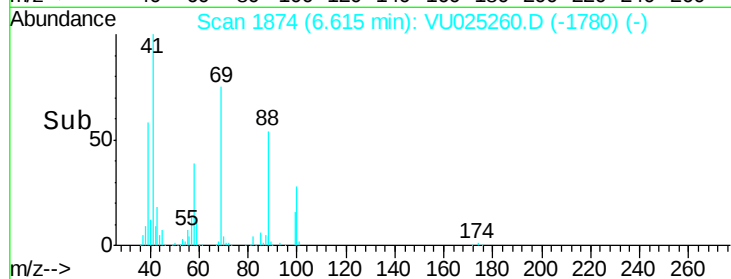
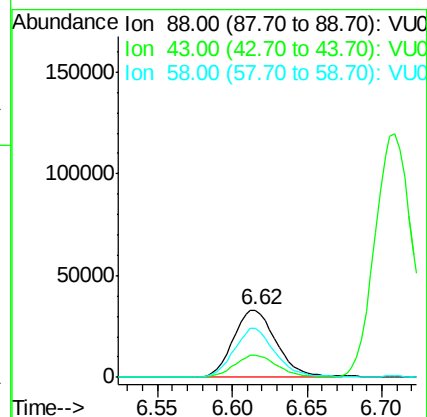
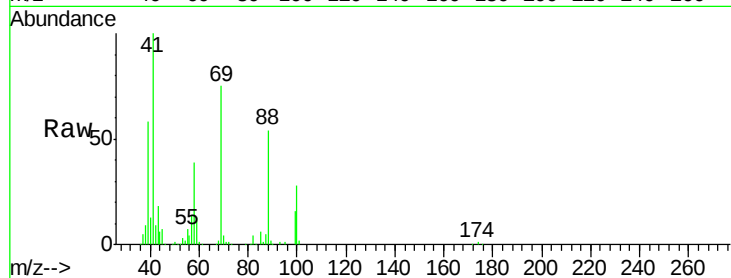
Tot Ion: 88 Resp: 65006

Ion Ratio Lower Upper

88 100

43 32.8 28.6 42.8

58 71.3 58.2 87.4



#50

Toluene-d8

Concen: 49.898 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025260.D

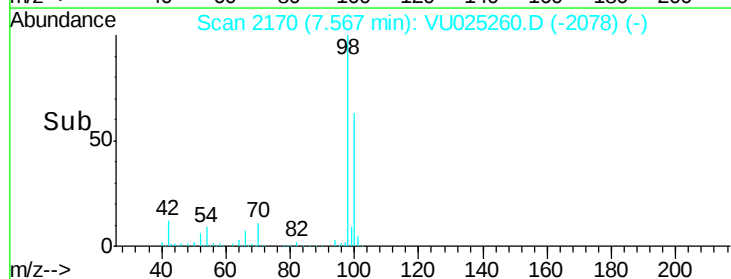
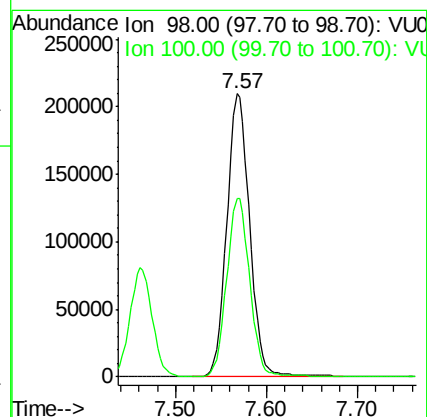
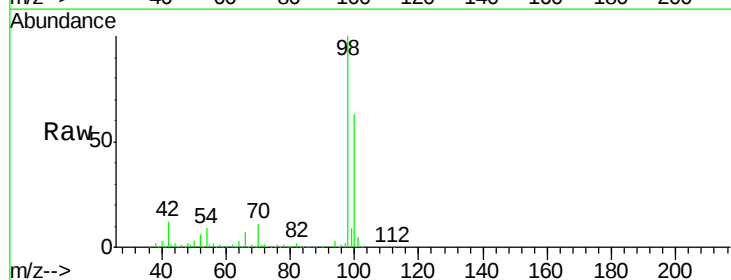
Acq: 06 Jul 2018 23:20

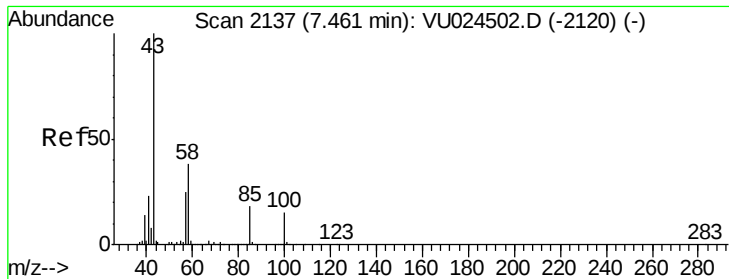
Tgt Ion: 98 Resp: 367183

Ion Ratio Lower Upper

98 100

100 63.3 51.1 76.7

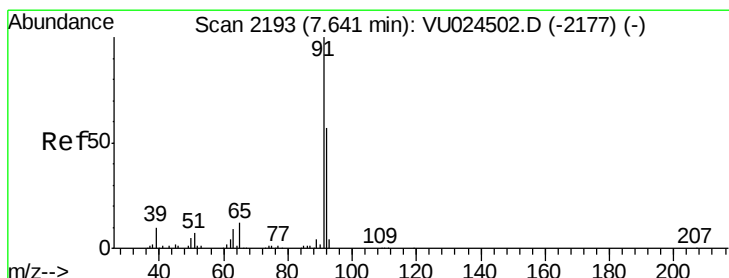
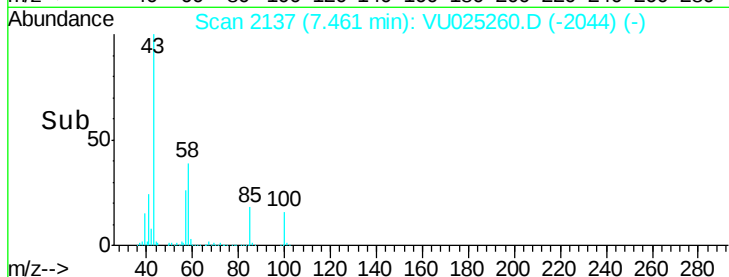
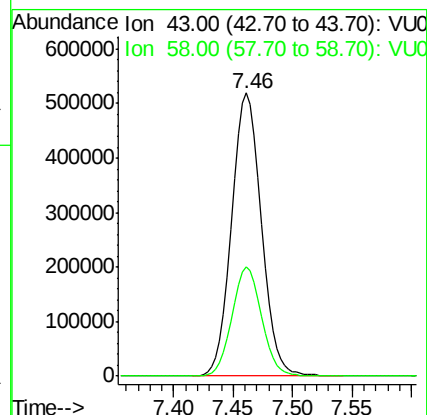
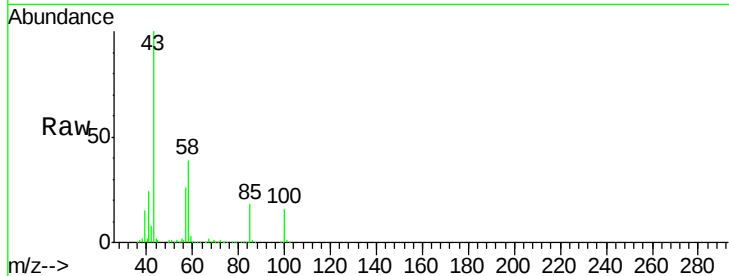




#51
4-Methyl-2-Pentanone
Concen: 266.149 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

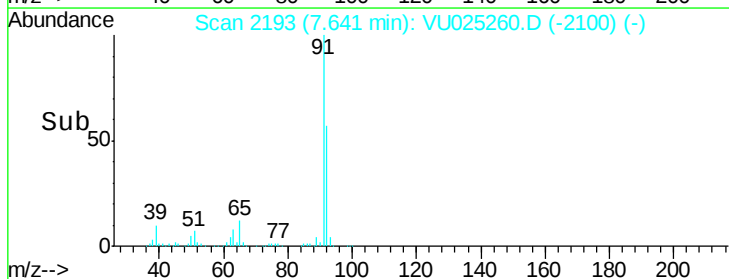
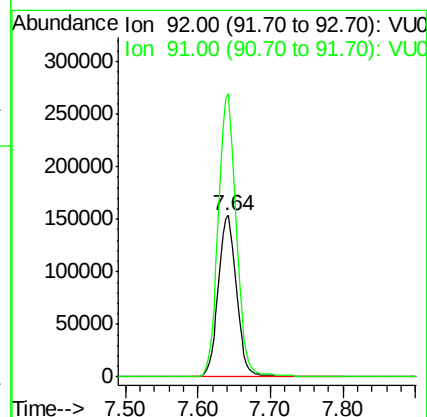
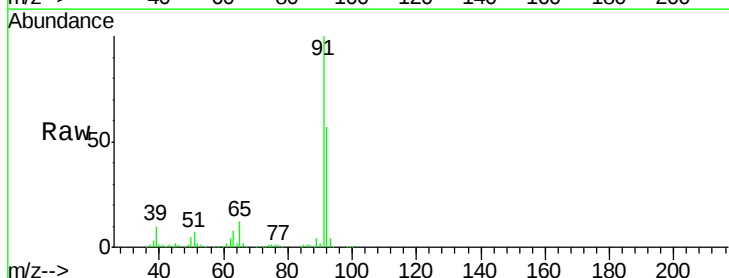
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

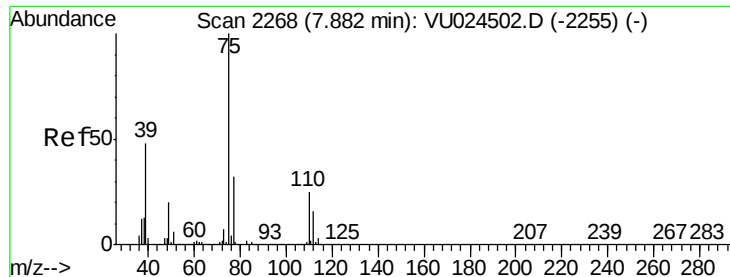
Tot Ion: 43 Resp: 899824
Ion Ratio Lower Upper
43 100
58 38.4 30.0 45.0



#52
Toluene
Concen: 51.507 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

Tgt Ion: 92 Resp: 269717
Ion Ratio Lower Upper
92 100
91 172.1 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 47.172 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

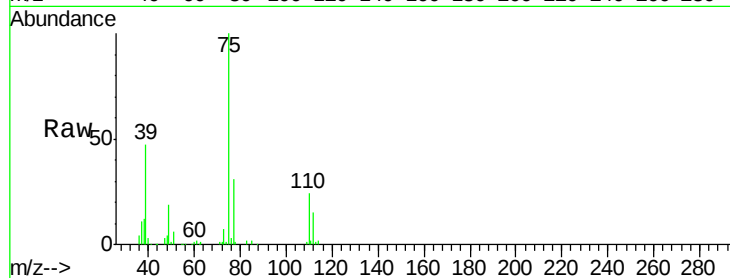
WP021MW470-180628MS

Tot Ion: 75 Resp: 160917

Ion Ratio Lower Upper

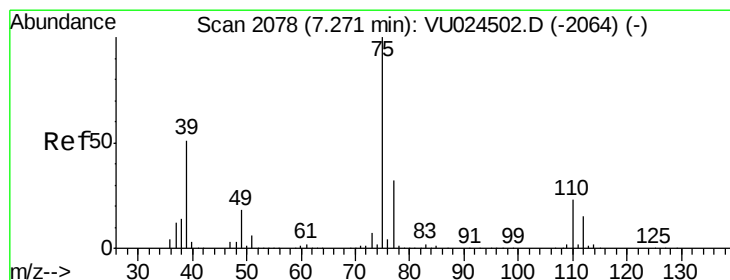
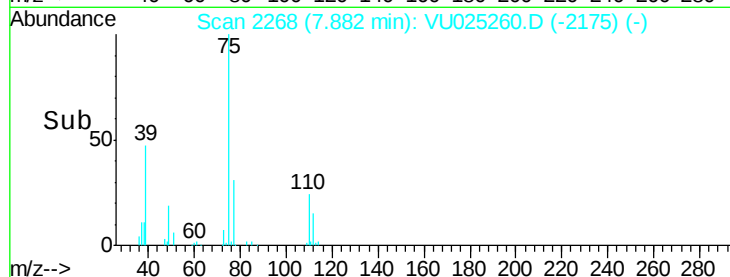
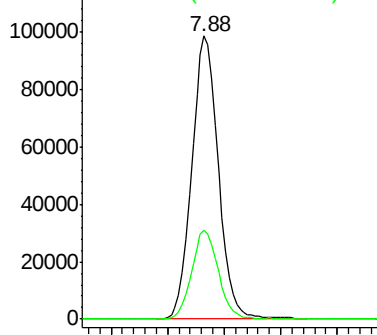
75 100

77 31.4 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 46.353 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

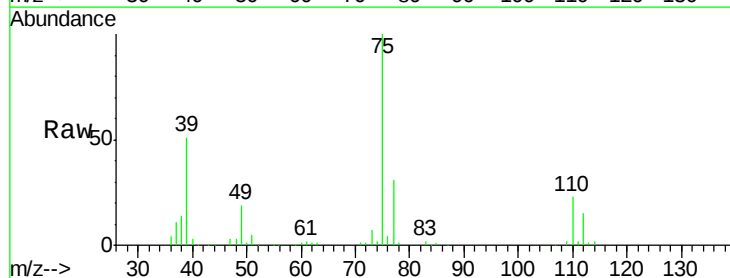
Tgt Ion: 75 Resp: 168490

Ion Ratio Lower Upper

75 100

77 31.2 24.6 36.8

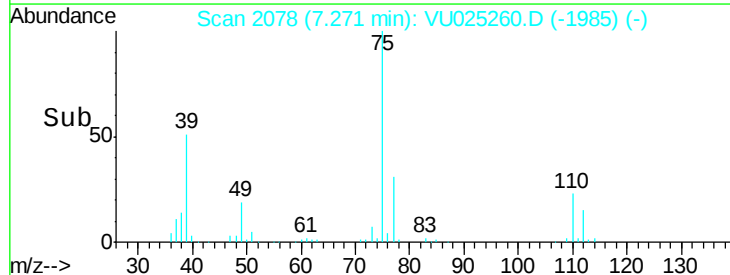
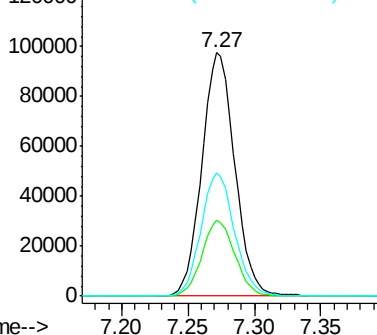
39 50.7 39.8 59.6

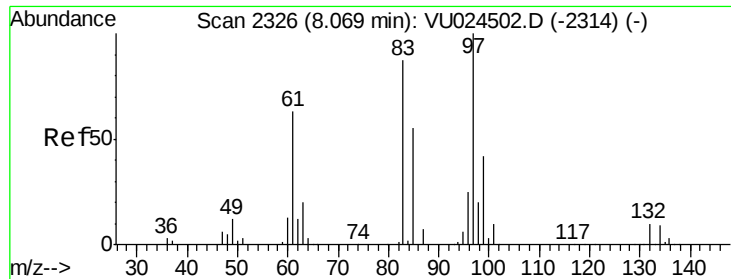


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

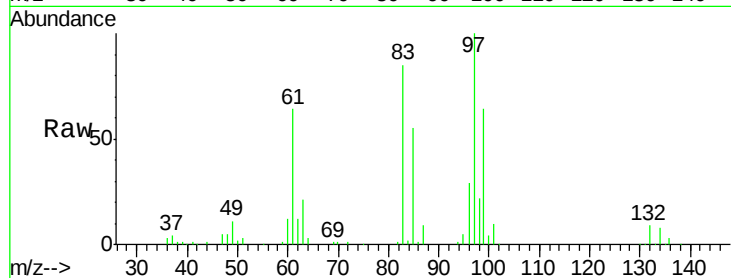




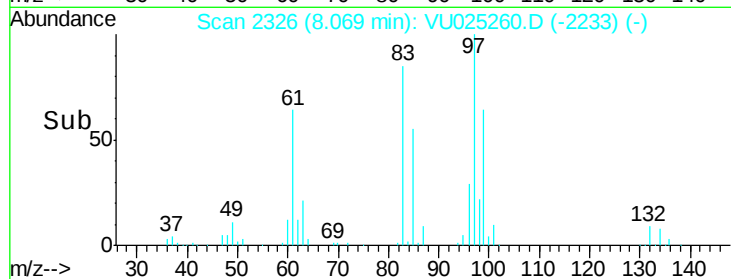
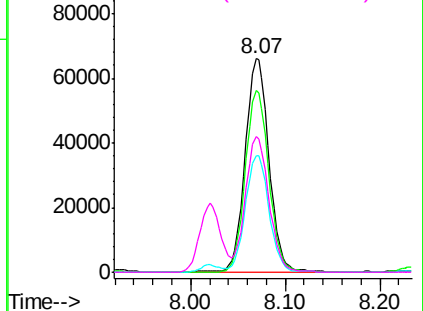
#55
 1,1,2-Trichloroethane
 Concen: 54.495 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025260.D
 Acq: 06 Jul 2018 23:20

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Tot Ion:	97	Resp:	115996
Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.5	105.7
85	54.4	46.4	69.6
99	63.5	50.2	75.2

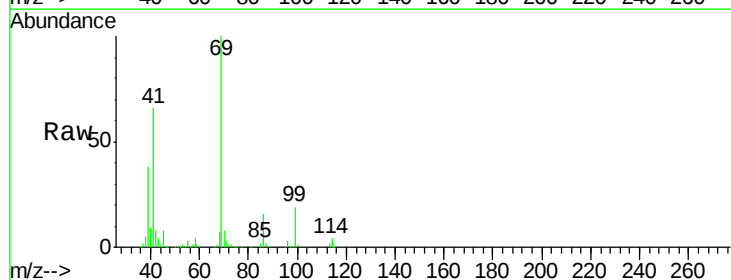


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

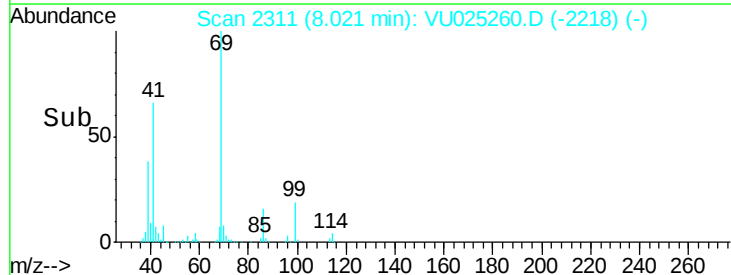
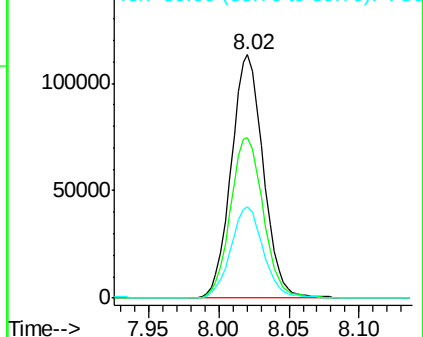


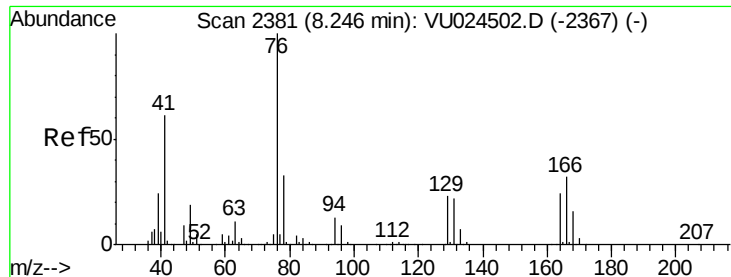
#56
 Ethyl methacrylate
 Concen: 50.814 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025260.D
 Acq: 06 Jul 2018 23:20

Tgt Ion:	69	Resp:	181034
Ion	Ratio	Lower	Upper
69	100		
41	67.5	54.1	81.1
39	38.0	30.3	45.5



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 52.971 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

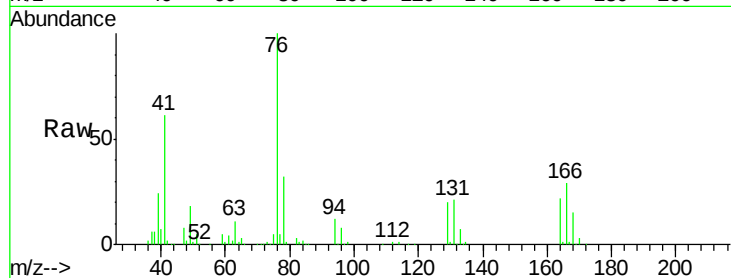
WP021MW470-180628MS

Tot Ion: 76 Resp: 190204

Ion Ratio Lower Upper

76 100

78 32.2 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.25

120000

100000

80000

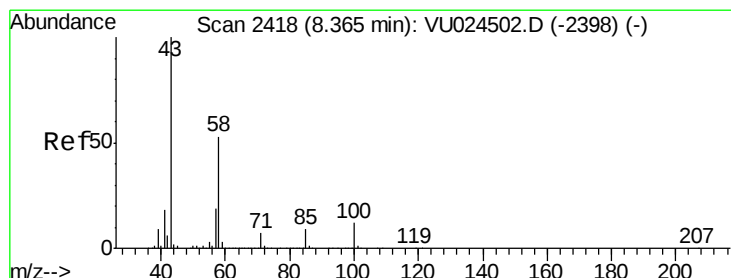
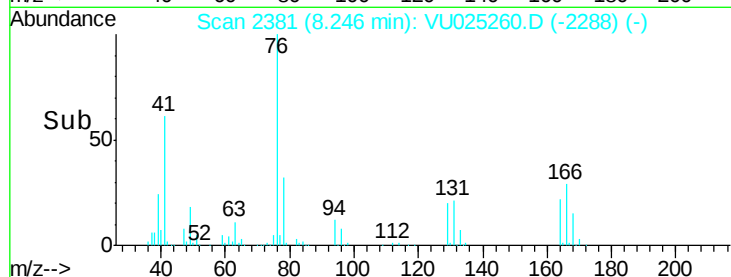
60000

40000

20000

0

Time-->



#59

2-Hexanone

Concen: 256.771 ug/l

RT: 8.36 min Scan# 2418

Delta R.T. -0.00 min

Lab File: VU025260.D

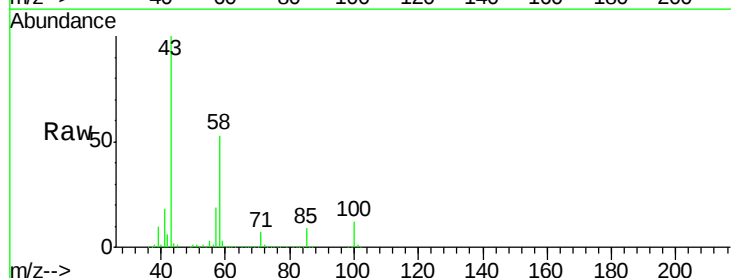
Acq: 06 Jul 2018 23:20

Tgt Ion: 43 Resp: 708735

Ion Ratio Lower Upper

43 100

58 53.2 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

8.36

500000

400000

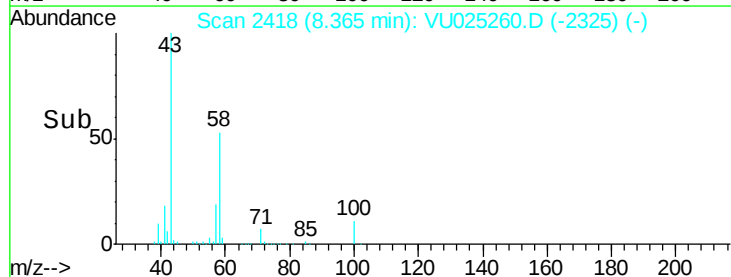
300000

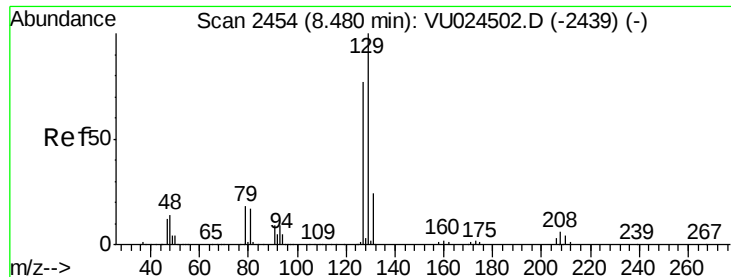
200000

100000

0

Time-->





#60

Dibromochloromethane

Concen: 48.581 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

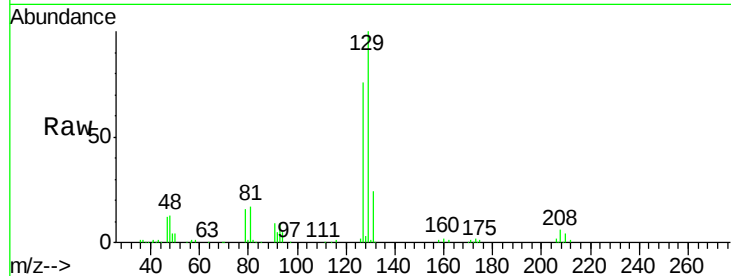
WP021MW470-180628MS

Tot Ion:129 Resp: 128949

Ion Ratio Lower Upper

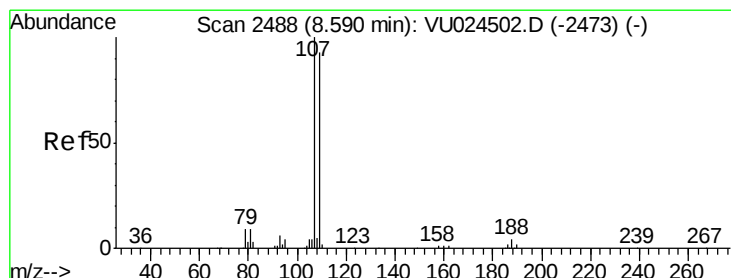
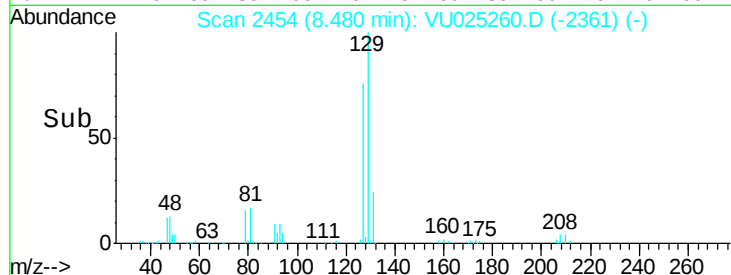
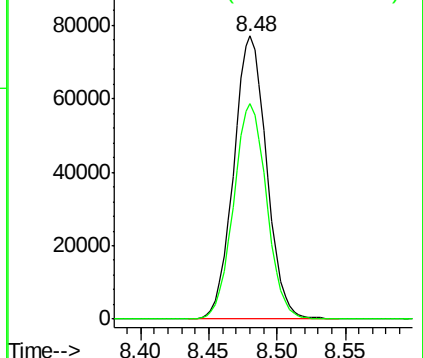
129 100

127 76.4 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 52.302 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025260.D

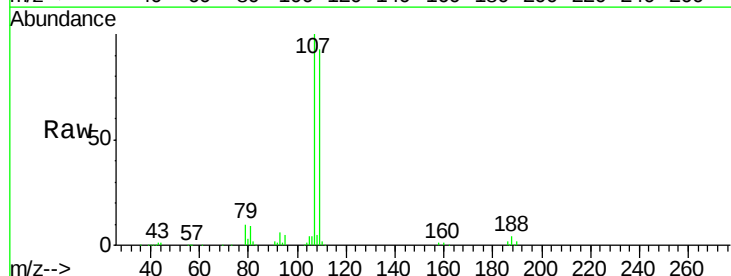
Acq: 06 Jul 2018 23:20

Tgt Ion:107 Resp: 123911

Ion Ratio Lower Upper

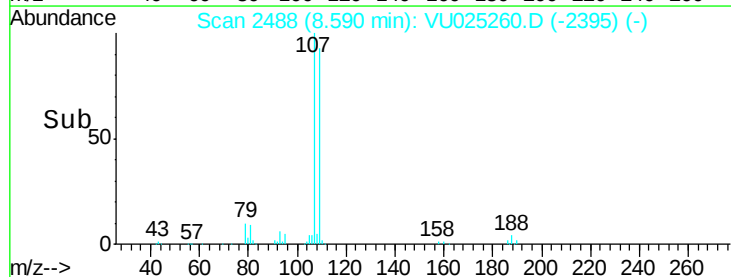
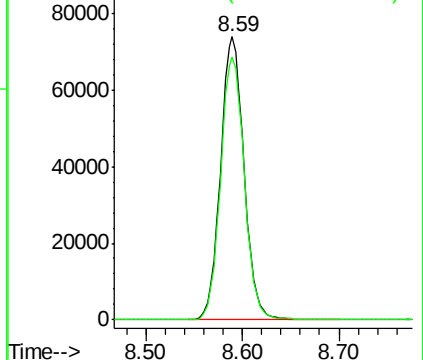
107 100

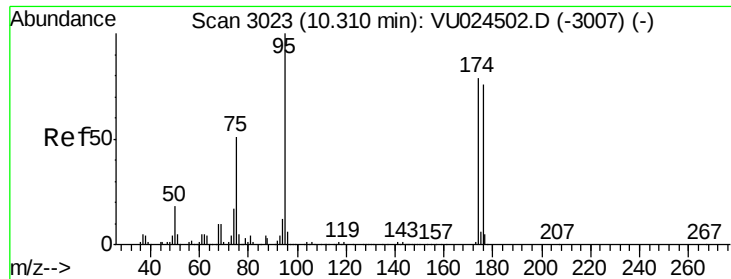
109 94.4 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

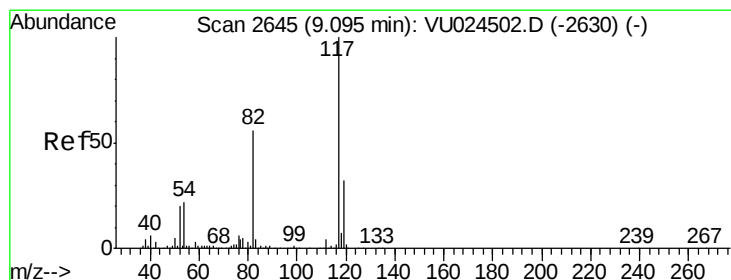
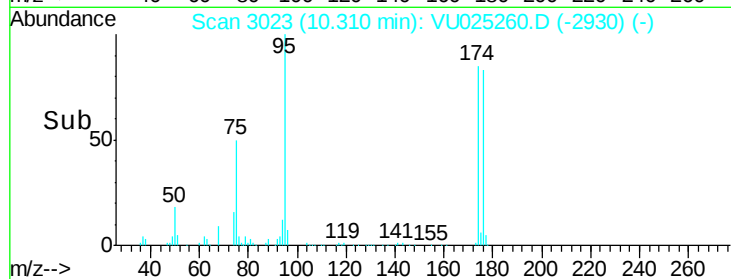
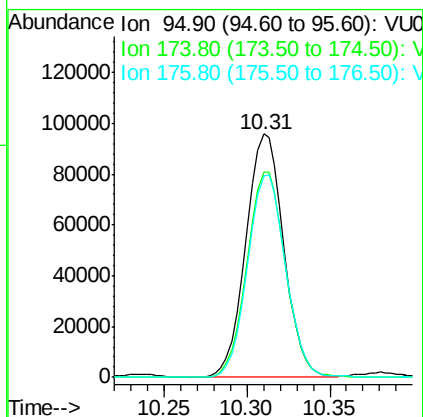
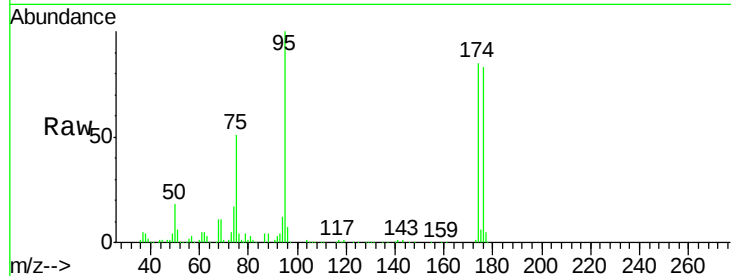




#62
4-Bromofluorobenzene
Concen: 51.866 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

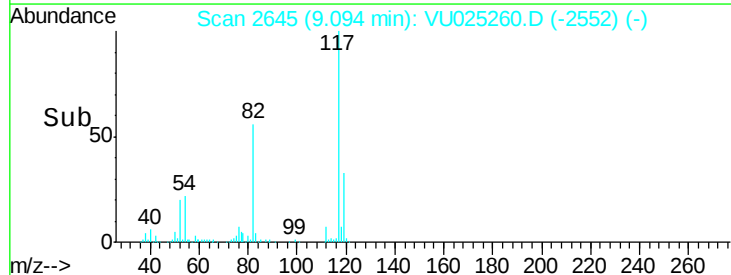
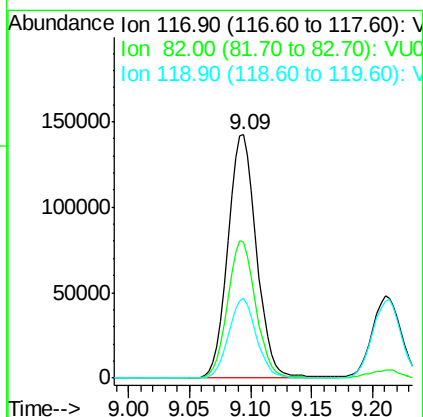
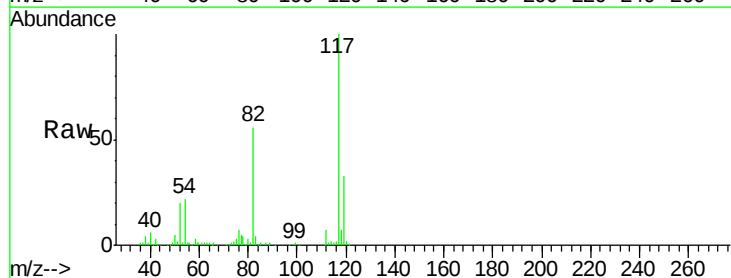
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

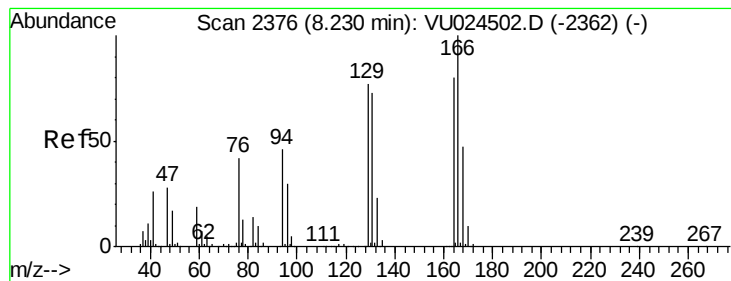
Tot Ion	95	Resp	151537
Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	165.8
176	84.3	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

Tgt Ion	117	Resp	234051
Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.3	66.5
119	32.7	25.4	38.2





#64

Tetrachloroethene

Concen: 45.921 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

Tot Ion:164 Resp: 102163

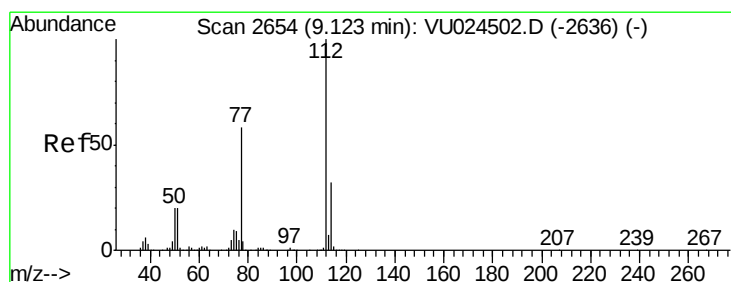
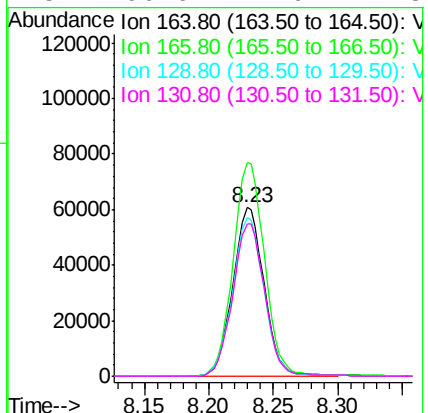
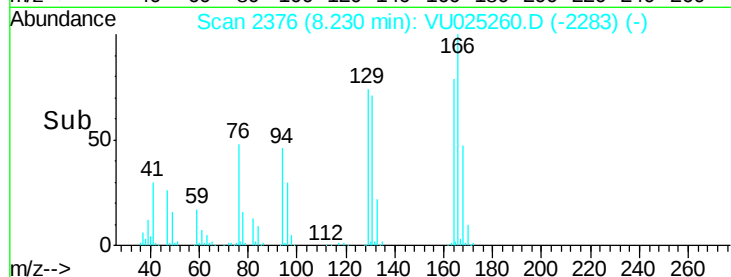
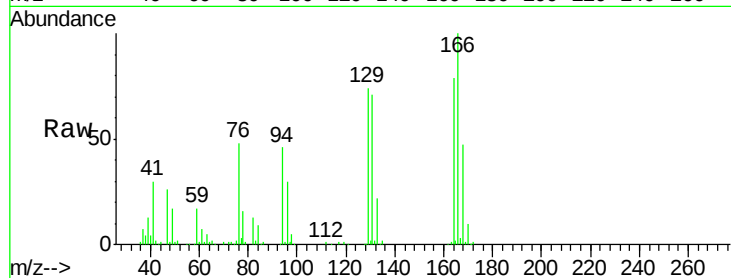
Ion Ratio Lower Upper

164 100

166 126.8 101.7 152.5

129 94.2 76.9 115.3

131 90.6 74.9 112.3



#65

Chlorobenzene

Concen: 81.696 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU025260.D

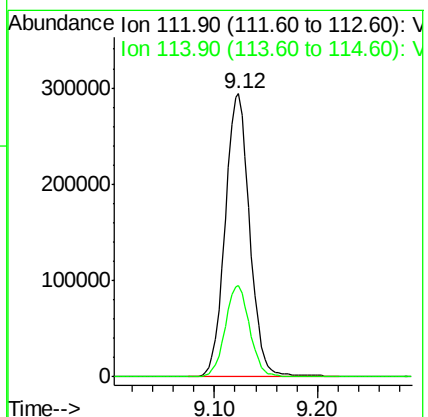
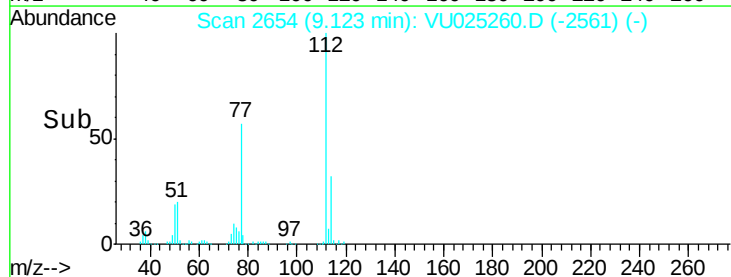
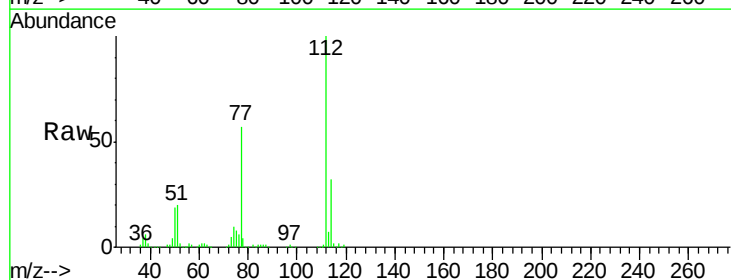
Acq: 06 Jul 2018 23:20

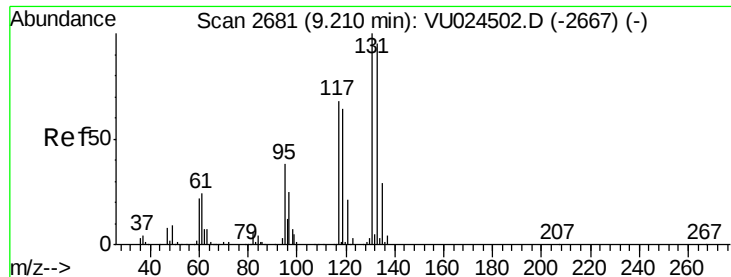
Tgt Ion:112 Resp: 488474

Ion Ratio Lower Upper

112 100

114 32.2 25.6 38.4





#66

1,1,1,2-Tetrachloroethane

Concen: 51.837 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

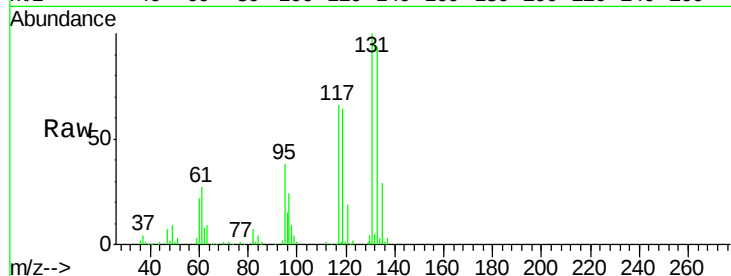
Tot Ion:131 Resp: 117753

Ion Ratio Lower Upper

131 100

133 95.9 46.9 140.8

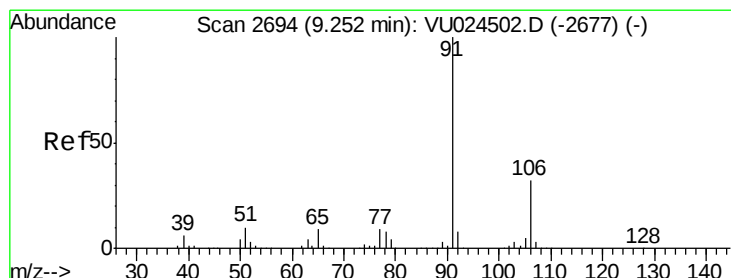
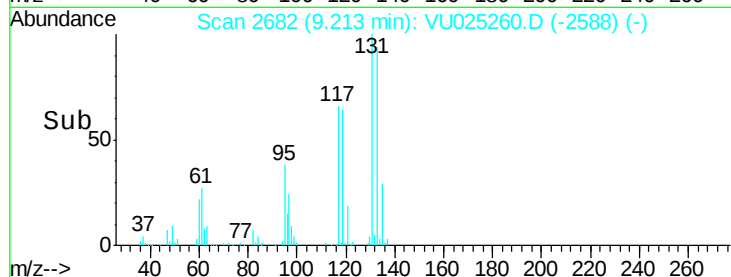
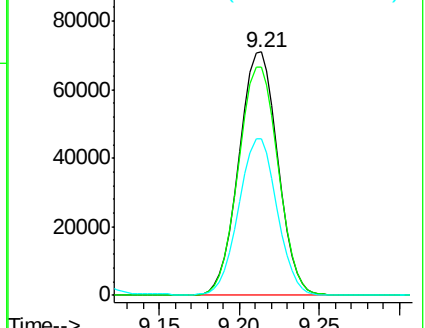
119 63.8 33.5 100.4



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



#67

Ethyl Benzene

Concen: 49.968 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025260.D

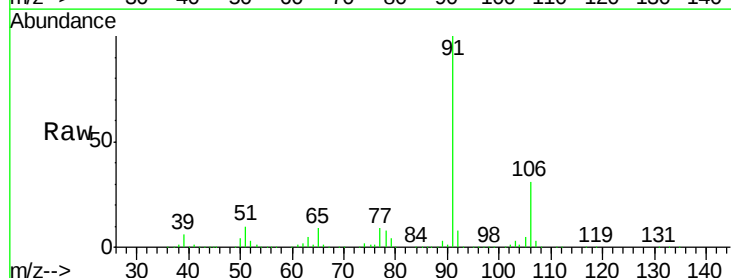
Acq: 06 Jul 2018 23:20

Tgt Ion: 91 Resp: 523763

Ion Ratio Lower Upper

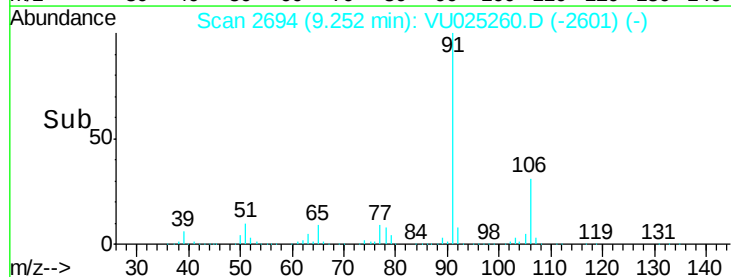
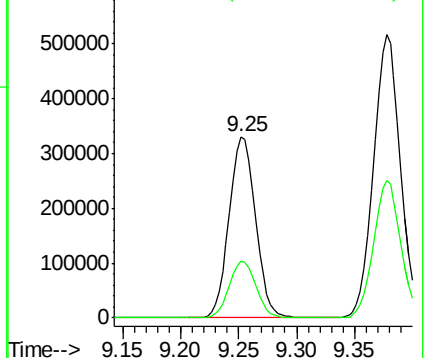
91 100

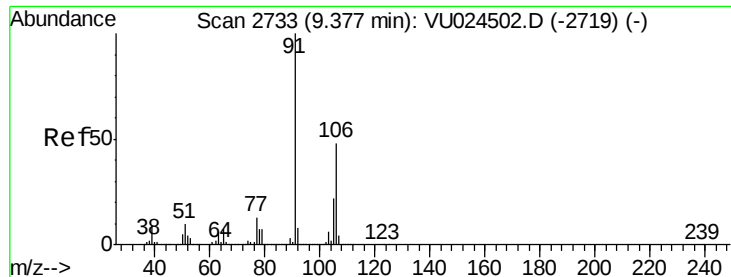
106 31.3 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

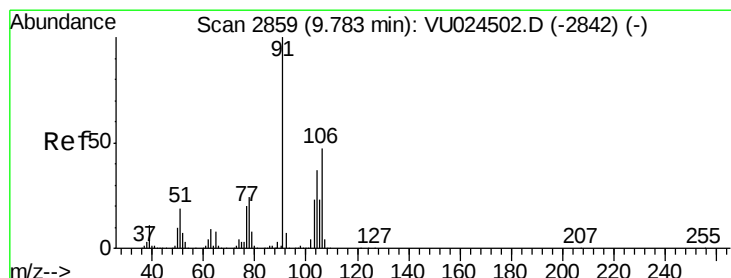
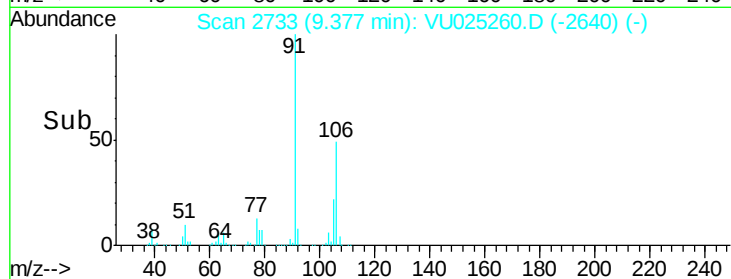
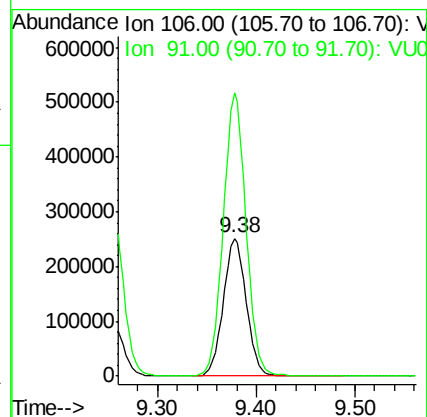
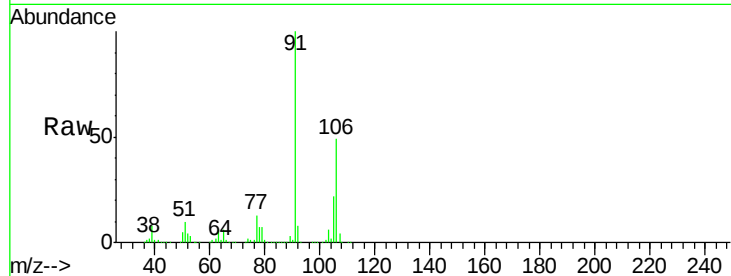




#68
m/p-Xylenes
Concen: 102.344 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

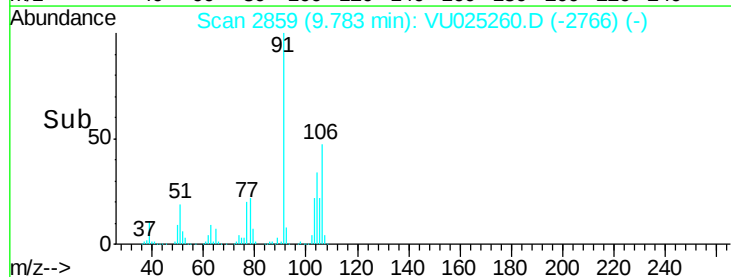
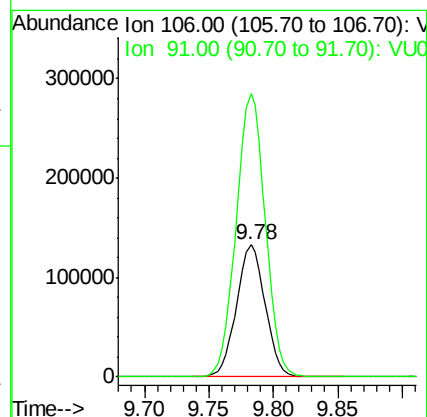
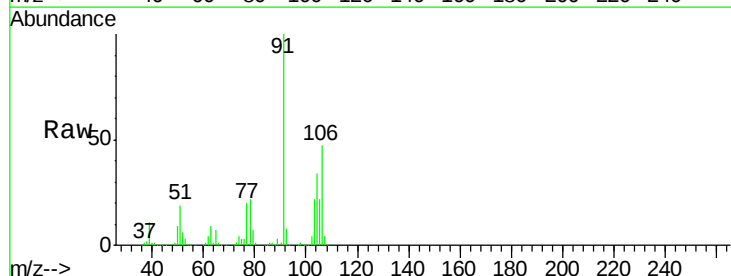
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion:106 Resp: 411939
Ion Ratio Lower Upper
106 100
91 203.3 166.5 249.7



#69
o-Xylene
Concen: 51.674 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

Tgt Ion:106 Resp: 205839
Ion Ratio Lower Upper
106 100
91 217.3 110.7 331.9

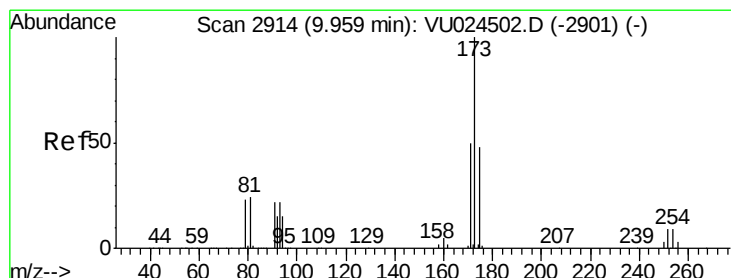
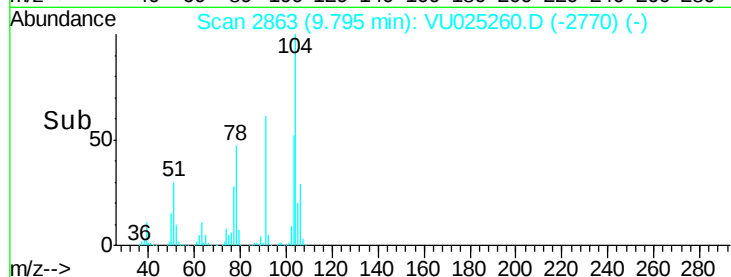
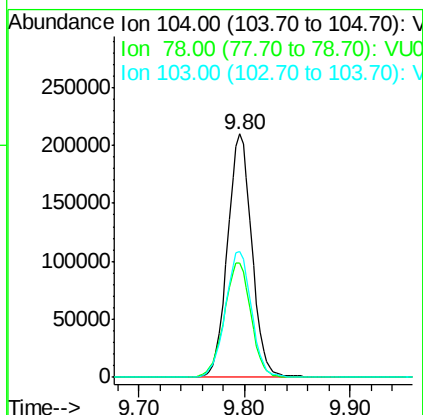
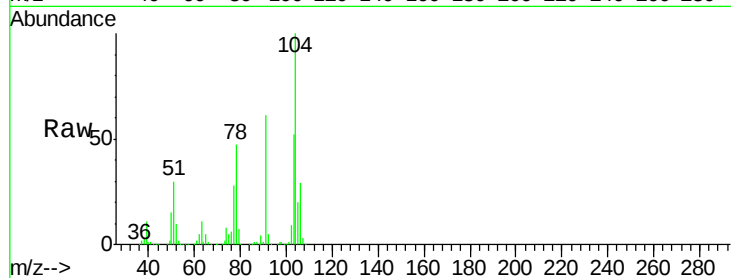




#70
Stvrene
Concen: 50.982 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

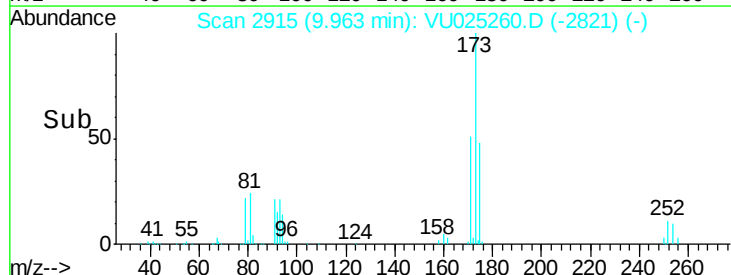
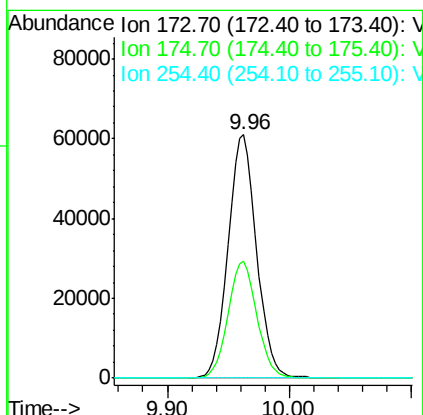
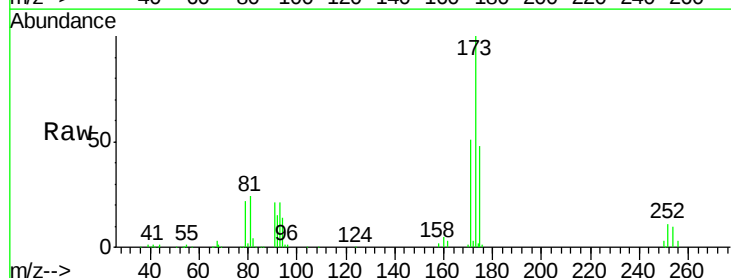
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

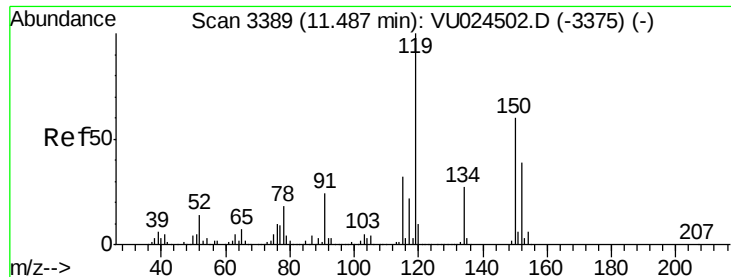
Tot Ion:104 Resp: 333733
Ion Ratio Lower Upper
104 100
78 51.8 40.6 60.8
103 55.7 44.7 67.1



#71
Bromoform
Concen: 46.024 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025260.D
Acq: 06 Jul 2018 23:20

Tgt Ion:173 Resp: 99372
Ion Ratio Lower Upper
173 100
175 48.7 24.6 74.0
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

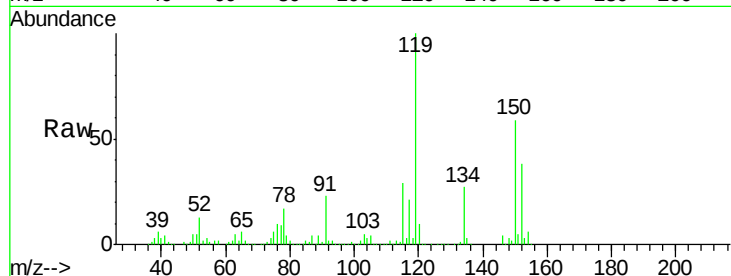
Tot Ion:152 Resp: 144295

Ion Ratio Lower Upper

152 100

115 81.5 43.0 129.0

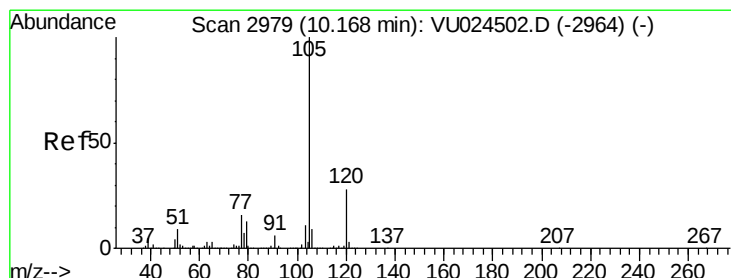
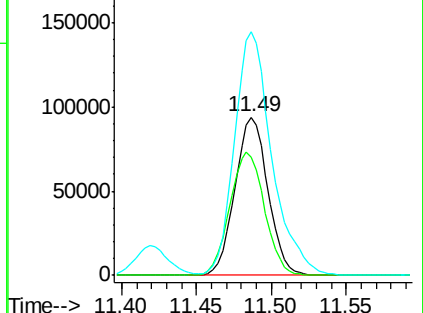
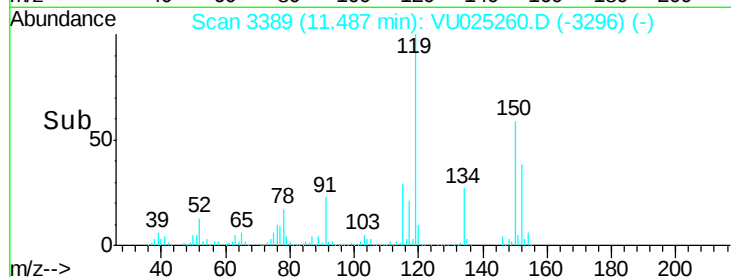
150 174.2 0.0 354.0



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: 50.020 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025260.D

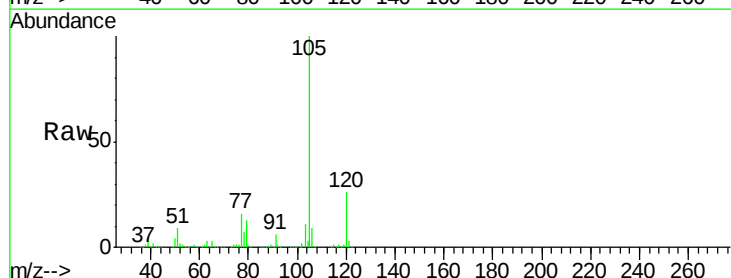
Acq: 06 Jul 2018 23:20

Tgt Ion:105 Resp: 554141

Ion Ratio Lower Upper

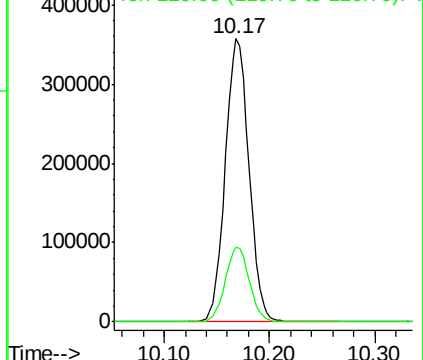
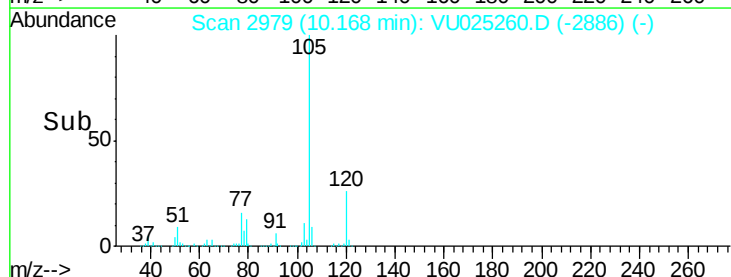
105 100

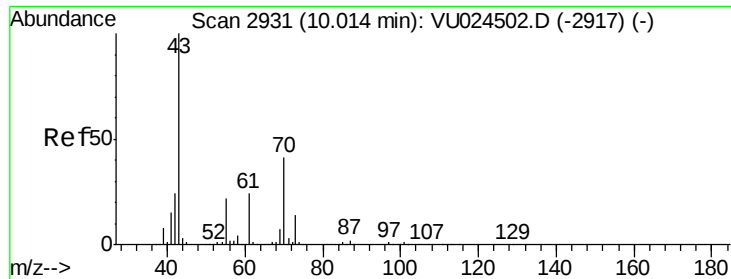
120 26.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 43.278 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

Tot Ion: 43 Resp: 228048

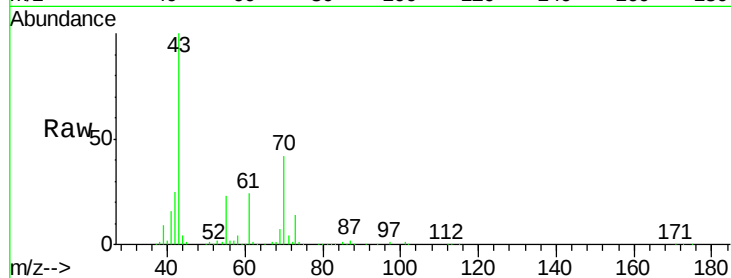
Ion Ratio Lower Upper

43 100

70 41.6 32.2 48.4

55 25.8 20.5 30.7

61 23.3 18.7 28.1

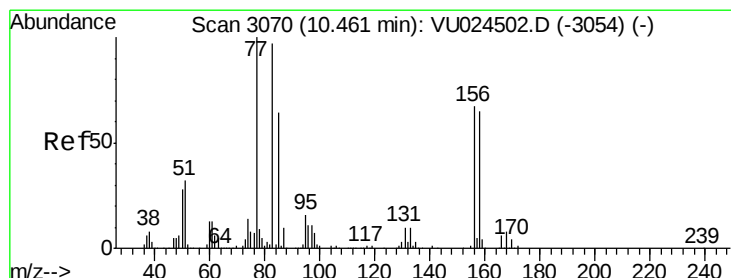
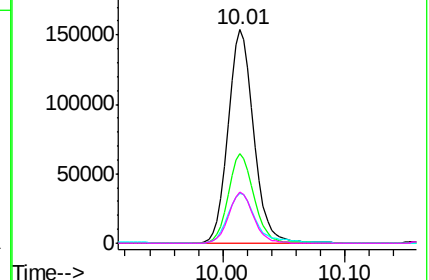
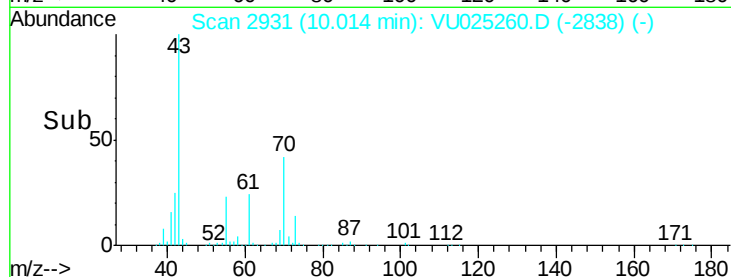


Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 52.624 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

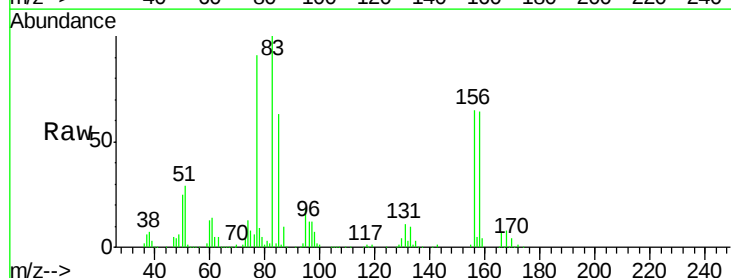
Tgt Ion: 83 Resp: 195360

Ion Ratio Lower Upper

83 100

131 10.6 4.7 14.1

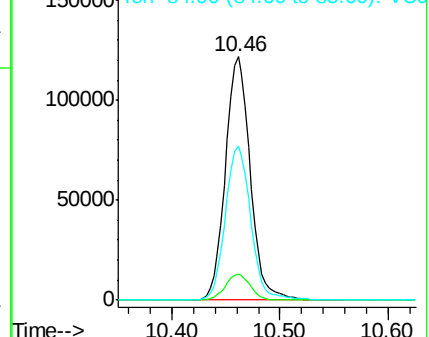
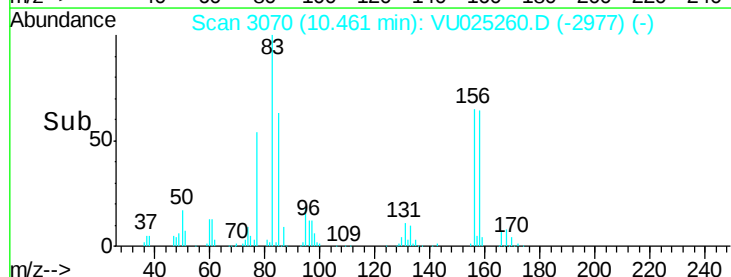
85 64.8 32.5 97.5

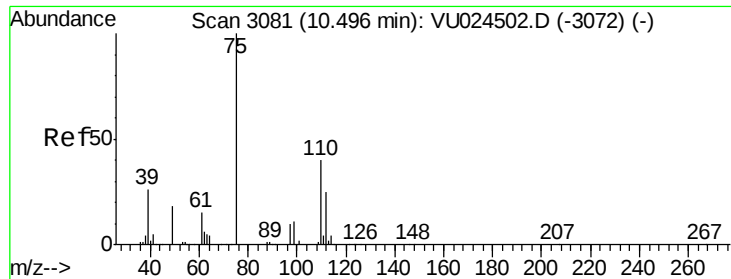


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0

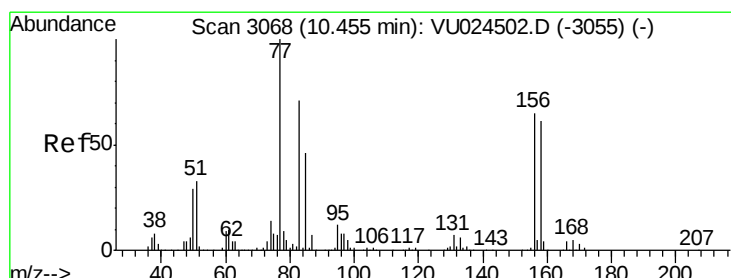
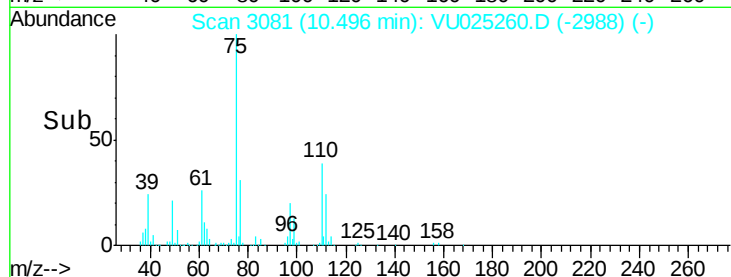
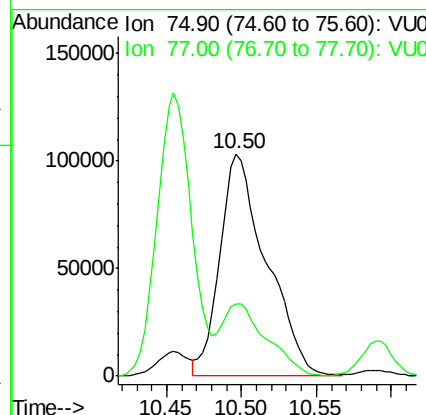
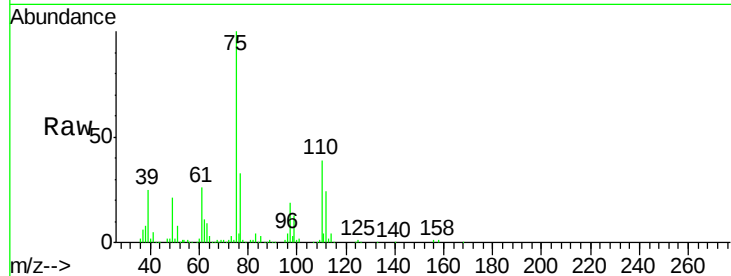




#76
 1,2,3-Trichloropropane
 Concen: 70.538 ug/l
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025260.D
 Acq: 06 Jul 2018 23:20

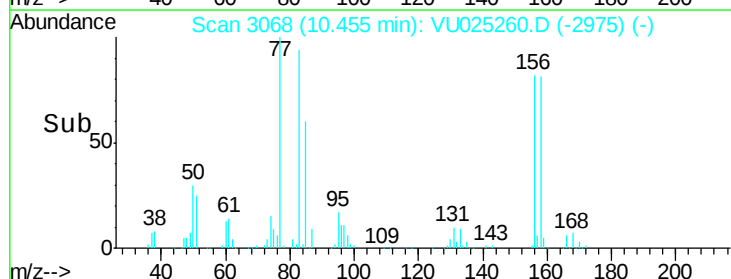
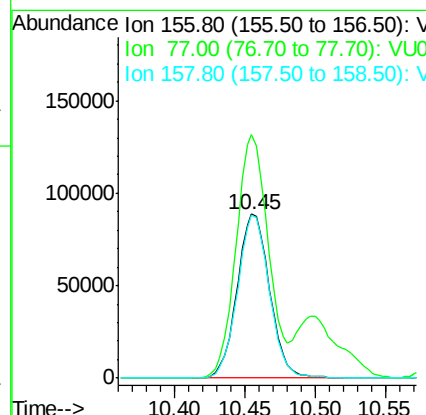
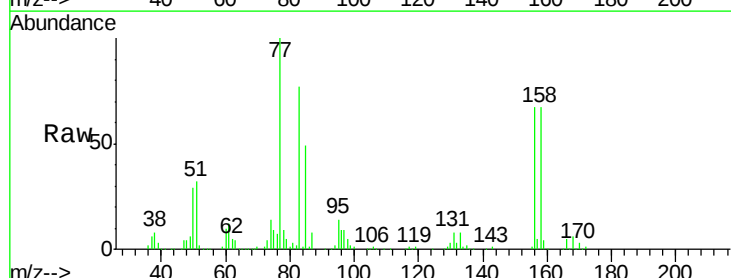
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

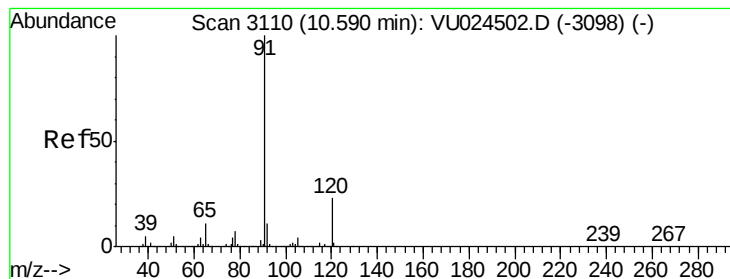
Tot Ion: 75 Resp: 224088
 Ion Ratio Lower Upper
 75 100
 77 31.9 20.9 62.7



#77
 Bromobenzene
 Concen: 51.064 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VU025260.D
 Acq: 06 Jul 2018 23:20

Tgt Ion: 156 Resp: 143217
 Ion Ratio Lower Upper
 156 100
 77 148.0 80.5 241.3
 158 98.0 48.2 144.6





#78

n-propylbenzene

Concen: 47.334 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

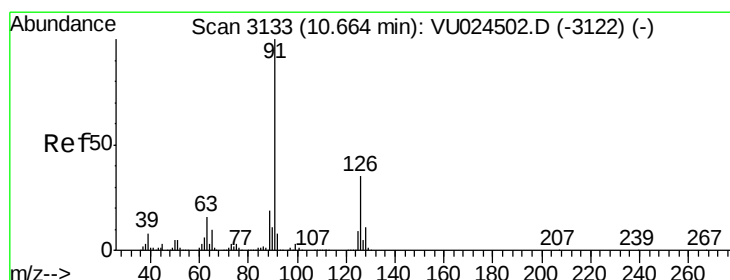
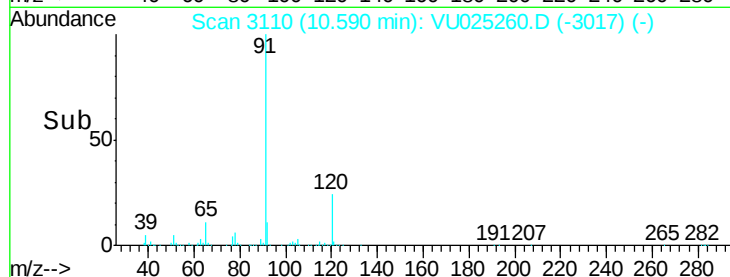
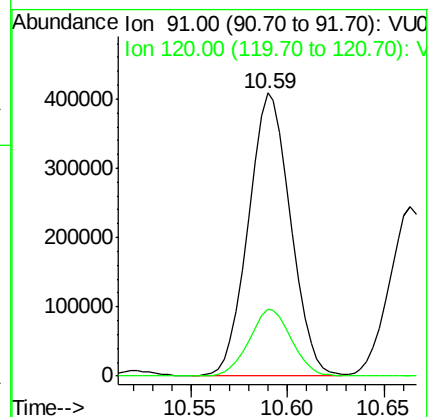
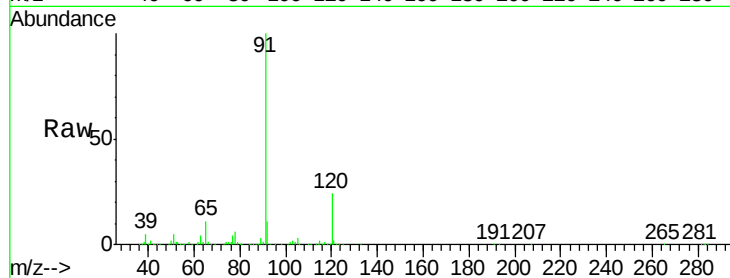
WP021MW470-180628MS

Tot Ion: 91 Resp: 617716

Ion Ratio Lower Upper

91 100

120 23.7 11.2 33.5



#79

2-Chlorotoluene

Concen: 49.258 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025260.D

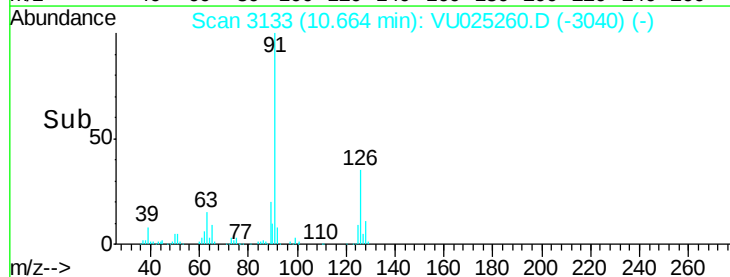
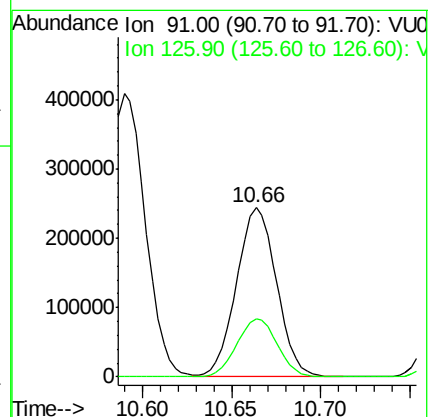
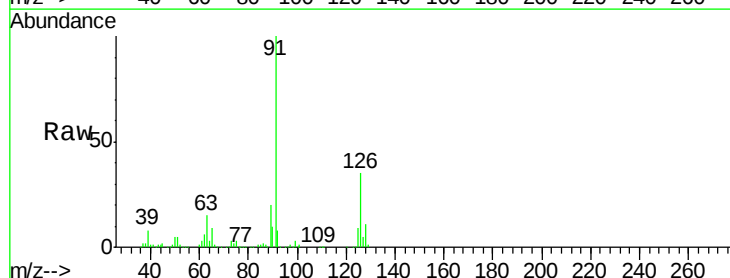
Acq: 06 Jul 2018 23:20

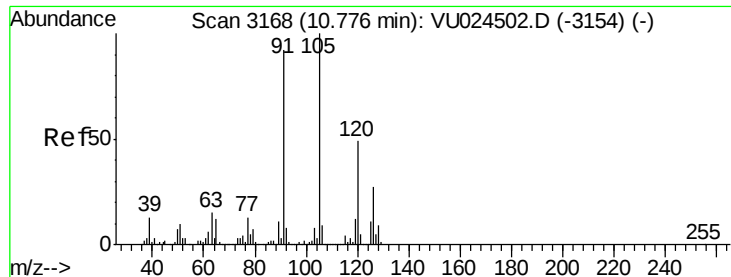
Tgt Ion: 91 Resp: 379089

Ion Ratio Lower Upper

91 100

126 35.3 16.9 50.7





#80

1,3,5-Trimethylbenzene

Concen: 49.479 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

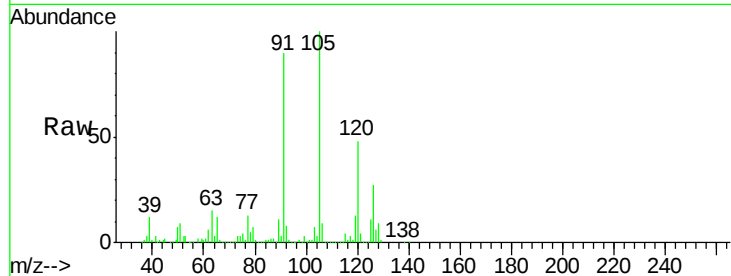
WP021MW470-180628MS

Tot Ion:105 Resp: 475101

Ion Ratio Lower Upper

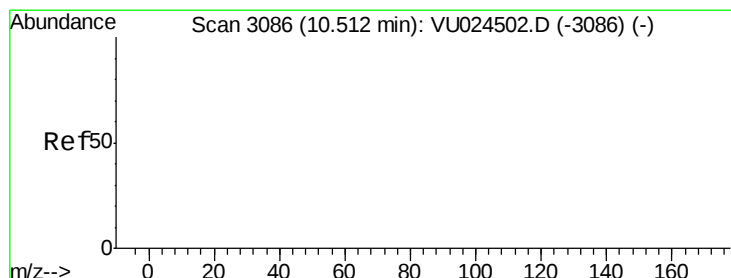
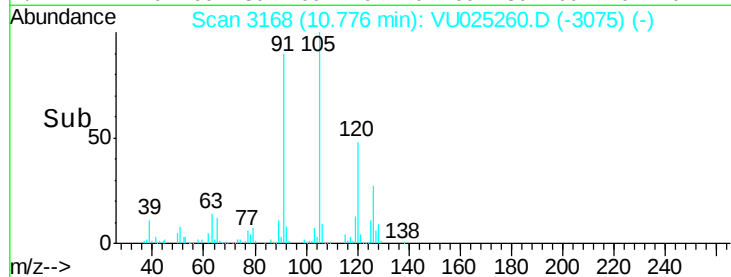
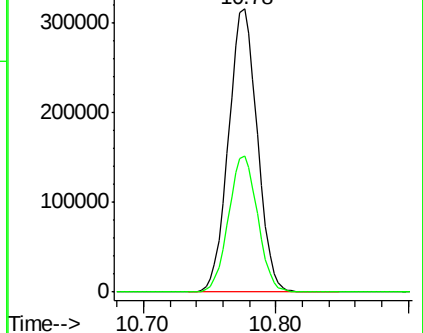
105 100

120 48.6 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 163.254 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

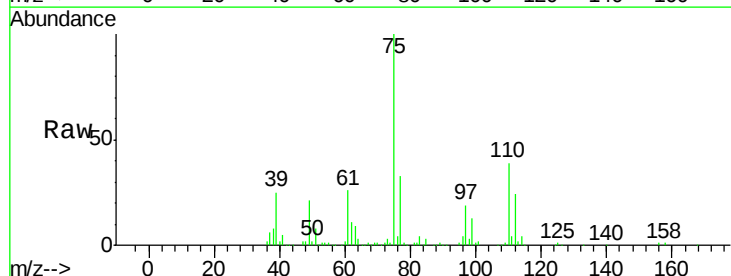
Tgt Ion: 75 Resp: 224088

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

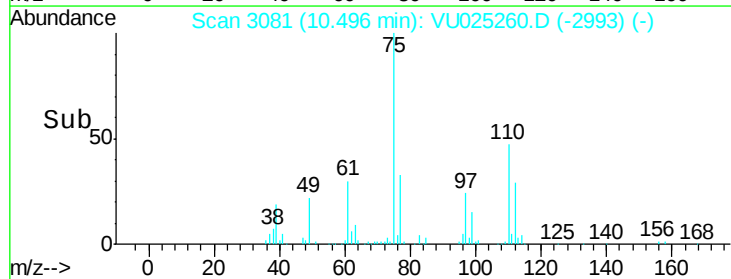
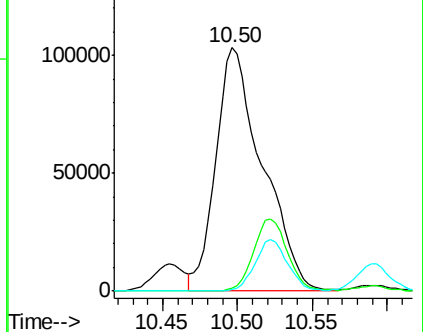
89 0.0 0.0 0.0

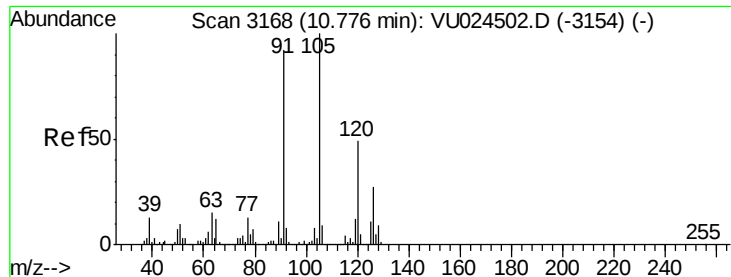


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#82

4-Chlorotoluene

Concen: 48.274 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

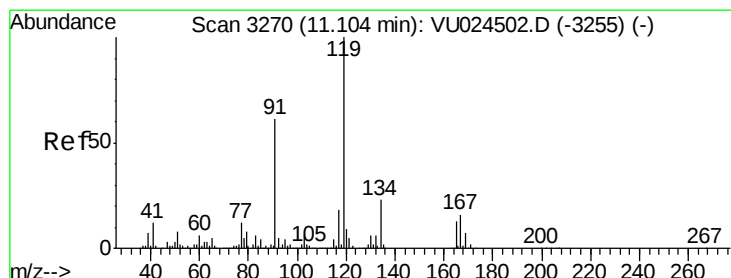
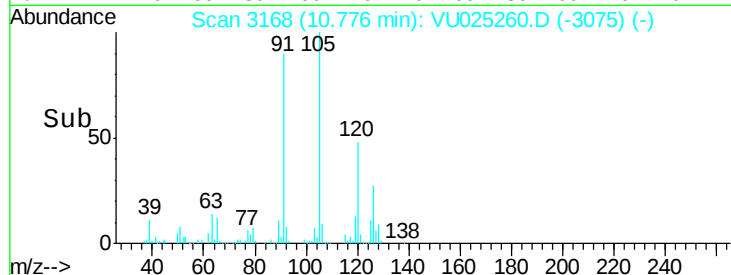
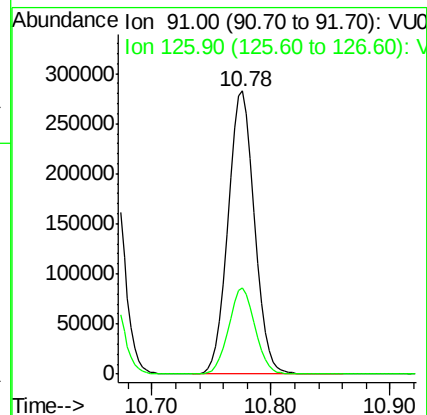
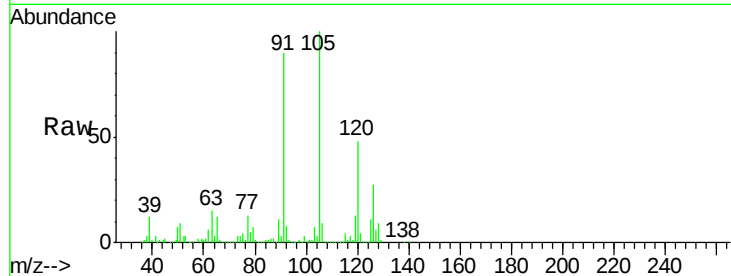
WP021MW470-180628MS

Tot Ion: 91 Resp: 432409

Ion Ratio Lower Upper

91 100

126 30.6 14.9 44.9



#83

tert-Butylbenzene

Concen: 53.217 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

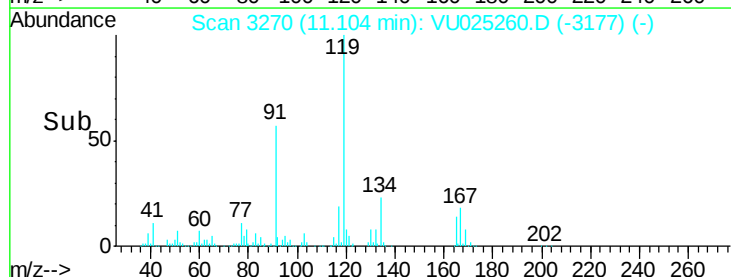
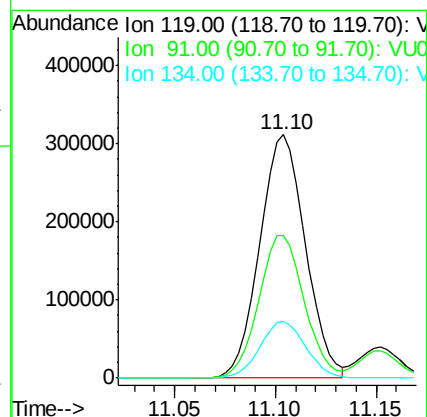
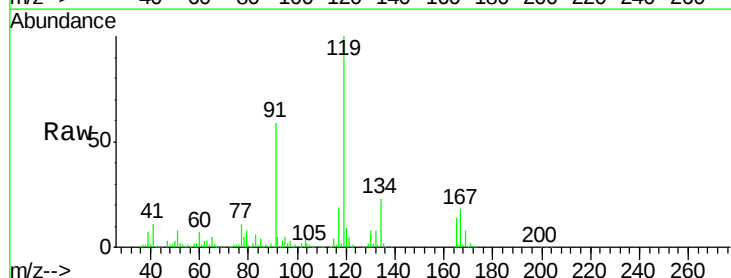
Tgt Ion: 119 Resp: 491542

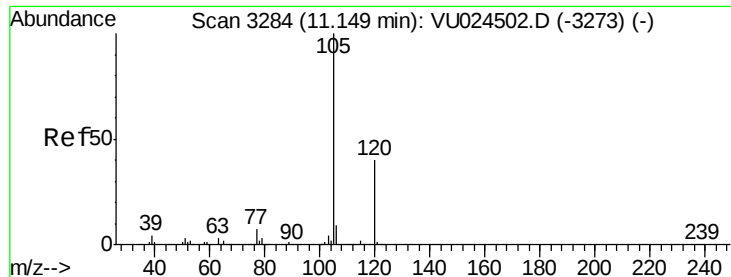
Ion Ratio Lower Upper

119 100

91 58.6 29.7 89.1

134 23.1 11.6 34.7





#84

1,2,4-Trimethylbenzene

Concen: 49.129 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

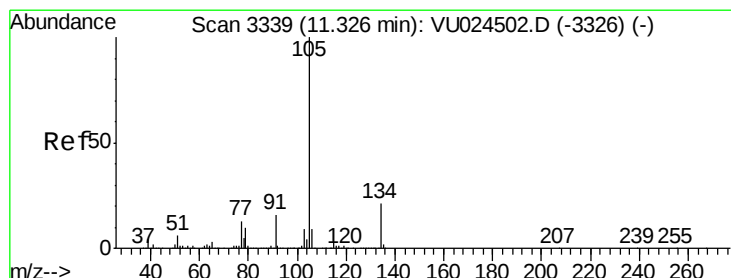
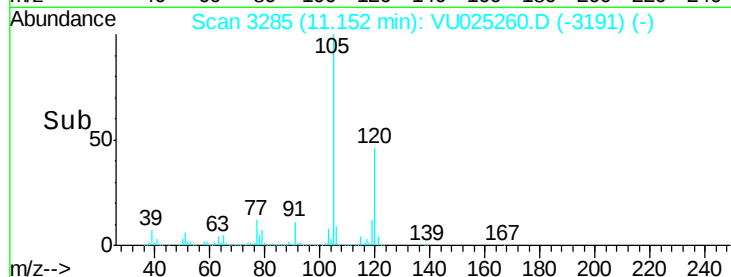
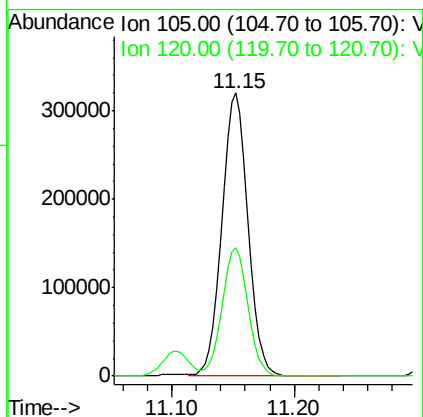
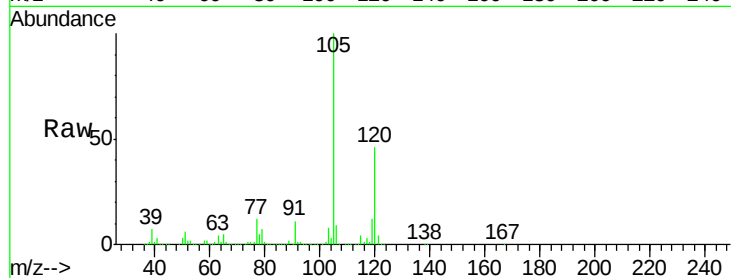
WP021MW470-180628MS

Tot Ion:105 Resp: 480751

Ion Ratio Lower Upper

105 100

120 45.3 22.6 67.8



#85

sec-Butylbenzene

Concen: 51.659 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU025260.D

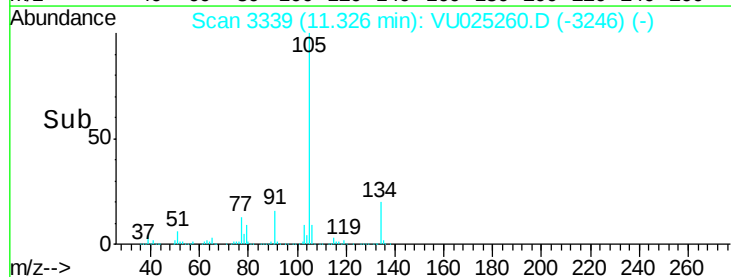
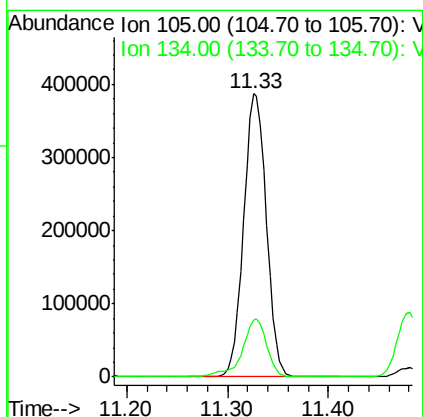
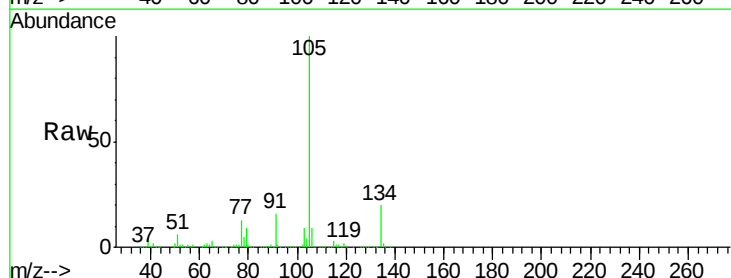
Acq: 06 Jul 2018 23:20

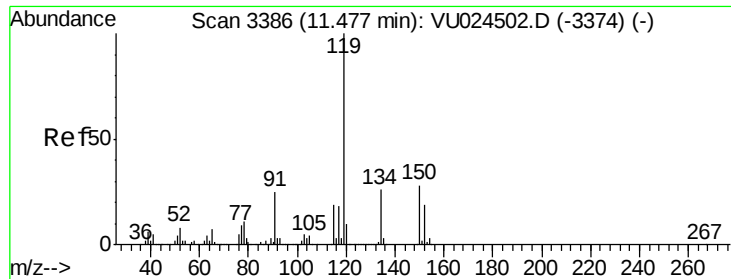
Tgt Ion:105 Resp: 597270

Ion Ratio Lower Upper

105 100

134 22.2 9.7 29.1

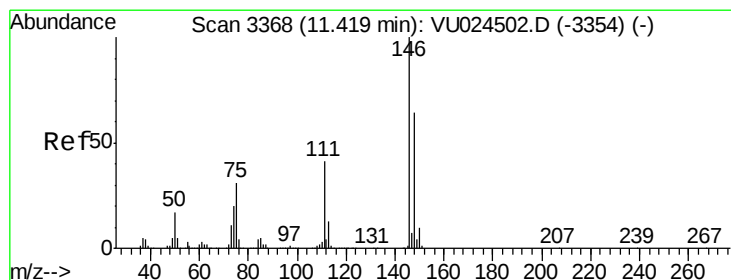
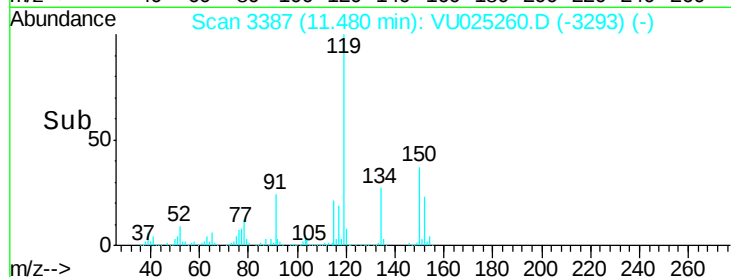
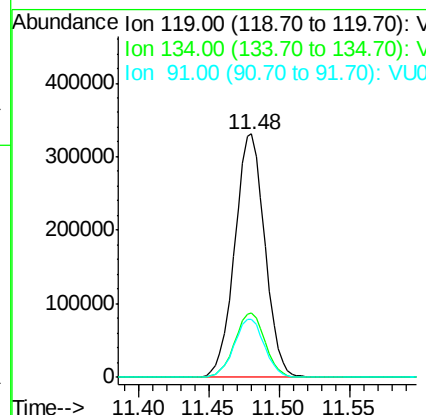
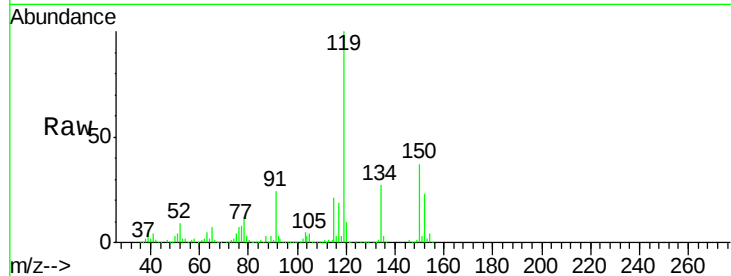




#86
 p-Isopropyltoluene
 Concen: 47.618 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025260.D
 Acq: 06 Jul 2018 23:20

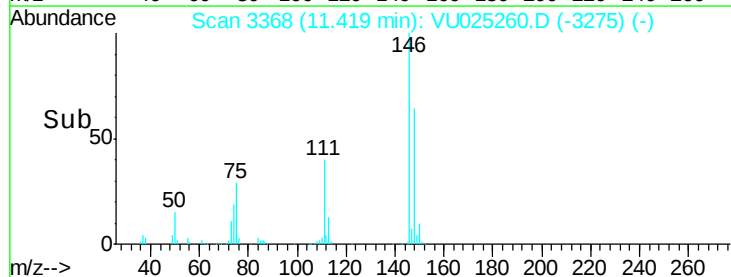
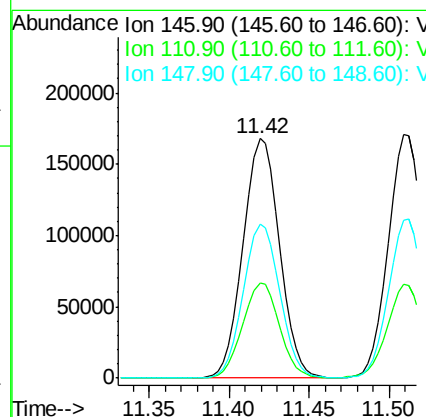
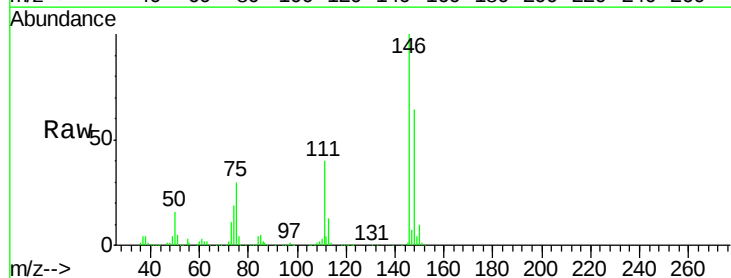
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

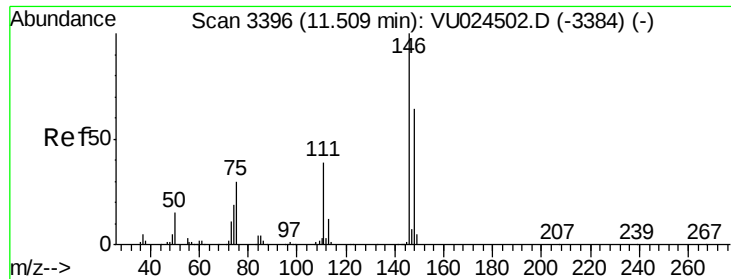
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.6
91	24.0	12.0	36.1



#87
 1,3-Dichlorobenzene
 Concen: 50.297 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025260.D
 Acq: 06 Jul 2018 23:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	64.6	32.1	96.5

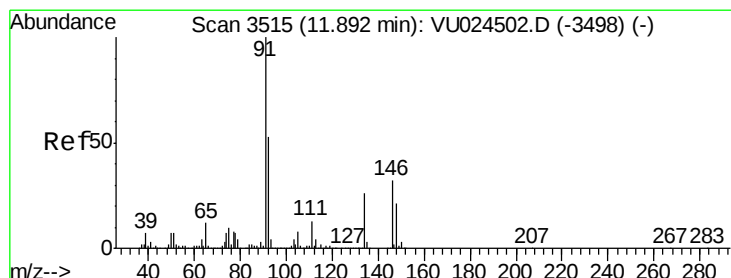
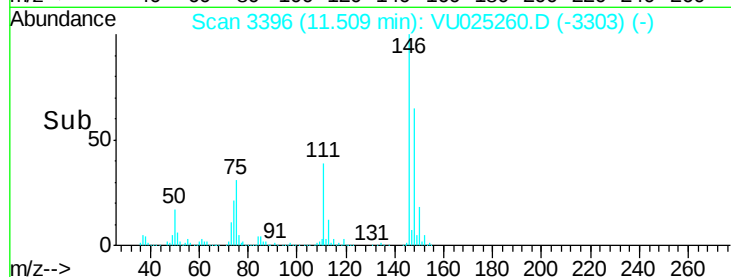
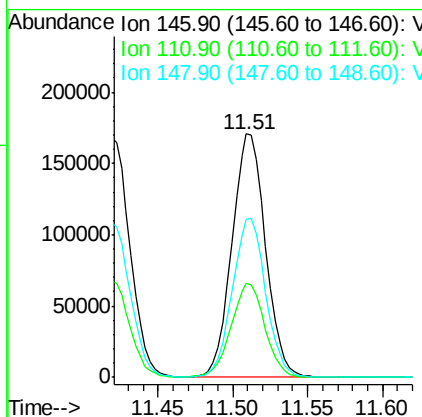
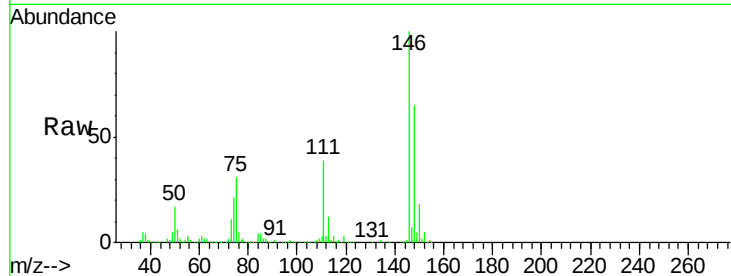




#88
 1,4-Dichlorobenzene
 Concen: 50.935 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025260.D
 Acq: 06 Jul 2018 23:20

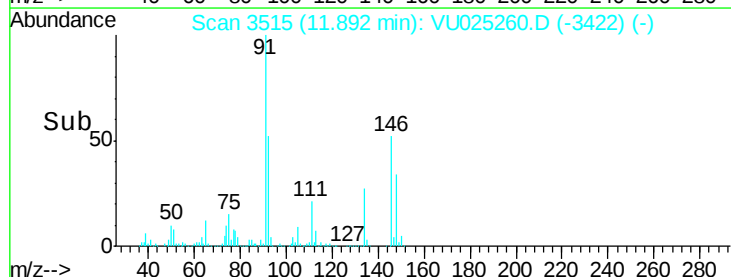
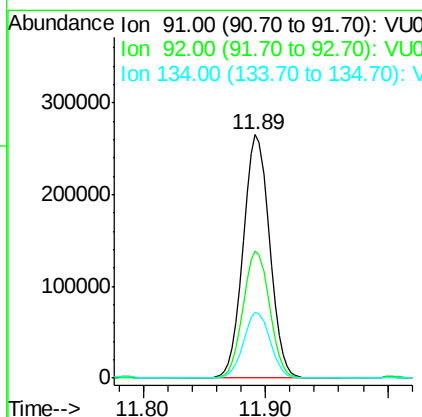
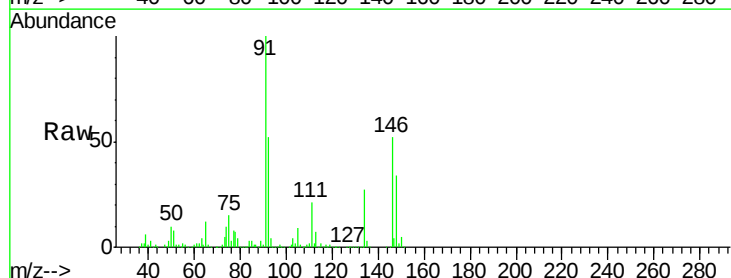
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

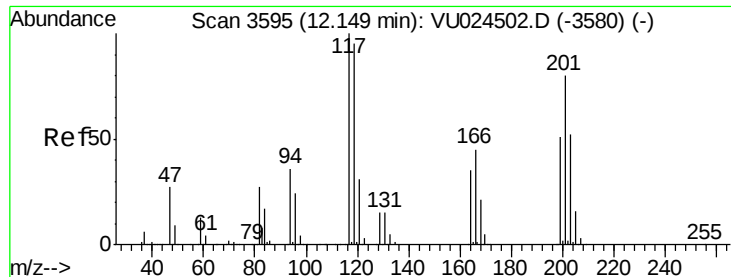
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.5	58.5
148	65.2	32.4	97.0



#89
 n-Butylbenzene
 Concen: 42.789 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU025260.D
 Acq: 06 Jul 2018 23:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.6	76.8
134	27.6	12.3	36.8





#90

Hexachloroethane

Concen: 43.034 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

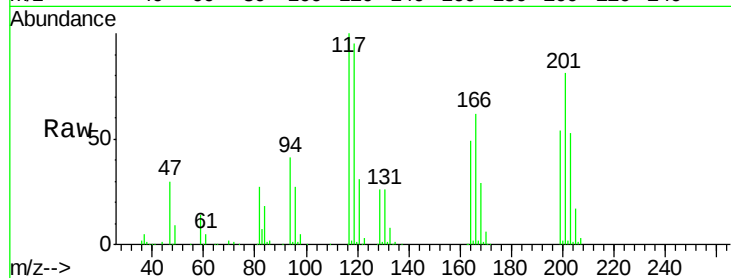
WP021MW470-180628MS

Tot Ion:117 Resp: 86928

Ion Ratio Lower Upper

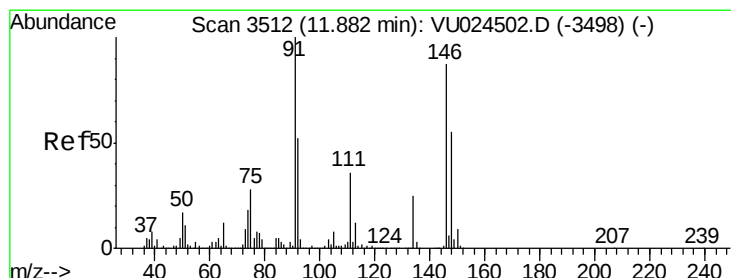
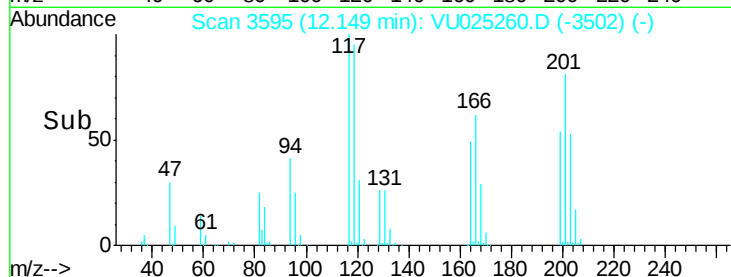
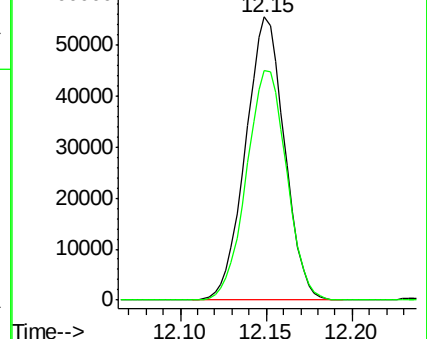
117 100

201 83.8 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 62.778 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

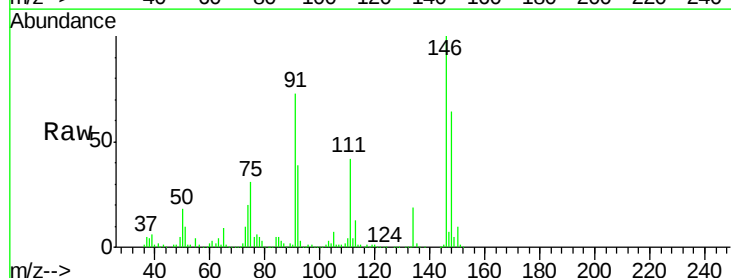
Tgt Ion:146 Resp: 325820

Ion Ratio Lower Upper

146 100

111 41.3 20.5 61.6

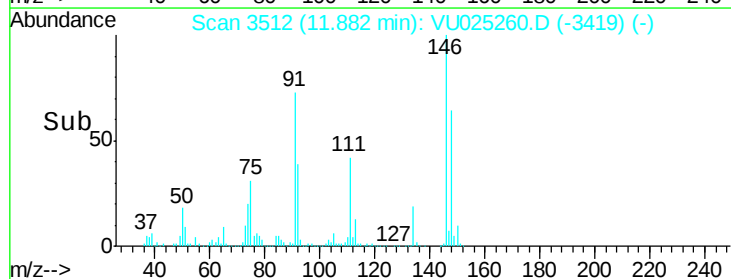
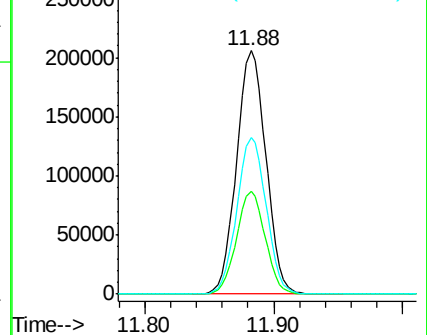
148 64.3 31.9 95.7



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: 48.713 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

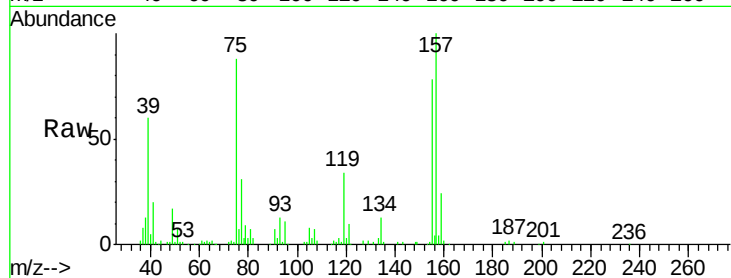
Tot Ion: 75 Resp: 49900

Ion	Ratio	Lower	Upper
75	100		
155	86.3	40.4	121.2
157	112.6	52.3	156.8

75 100

155 86.3 40.4 121.2

157 112.6 52.3 156.8



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3741) (-)

Ion 154.80 (154.50 to 155.50): VU024502.D (-3741) (-)

Ion 156.80 (156.50 to 157.50): VU024502.D (-3741) (-)

40000

30000

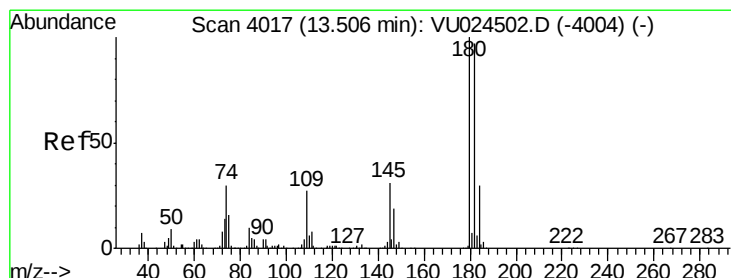
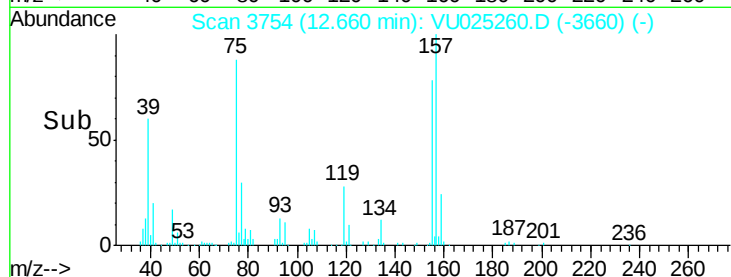
20000

10000

0

12.60 12.65 12.70

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 50.011 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

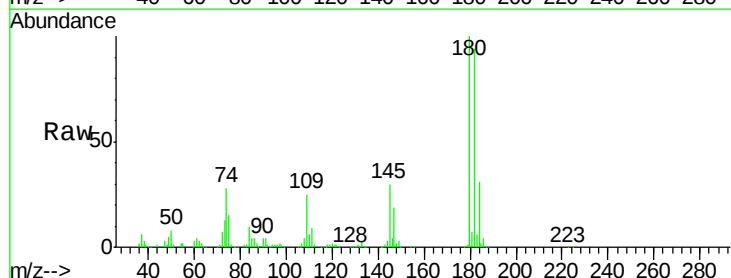
Tgt Ion: 180 Resp: 160283

Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.2
145	30.5	14.7	44.1

180 100

182 95.3 48.0 144.2

145 30.5 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): VU024502.D (-4004) (-)

Ion 181.80 (181.50 to 182.50): VU024502.D (-4004) (-)

Ion 144.80 (144.50 to 145.50): VU024502.D (-4004) (-)

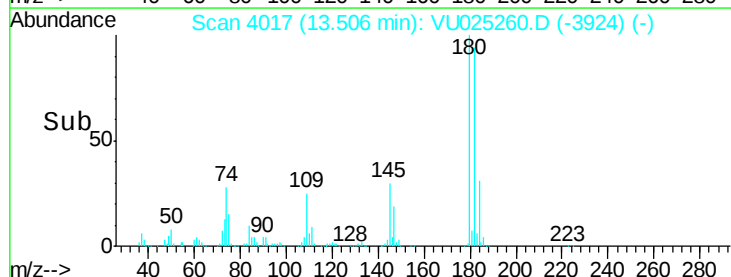
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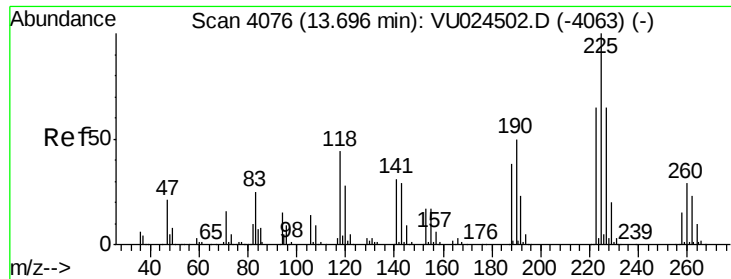
50000

0

13.45 13.50 13.55 13.60

Time-->





#94

Hexachlorobutadiene

Concen: 49.152 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. -0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

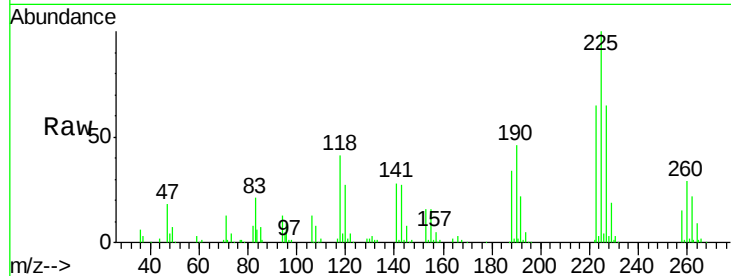
Tot Ion:225 Resp: 88666

Ion Ratio Lower Upper

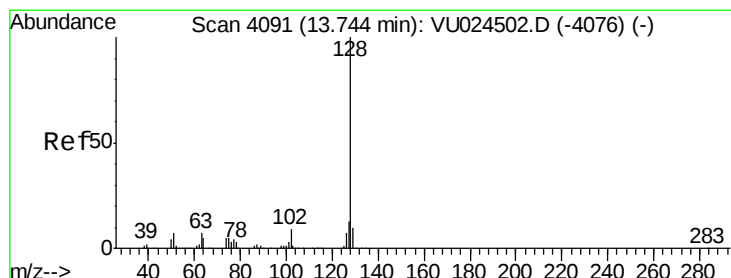
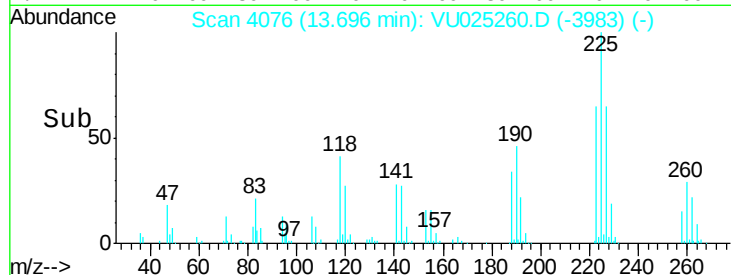
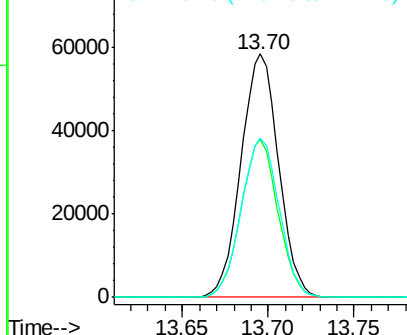
225 100

223 63.6 31.3 93.8

227 65.9 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 50.860 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025260.D

Acq: 06 Jul 2018 23:20

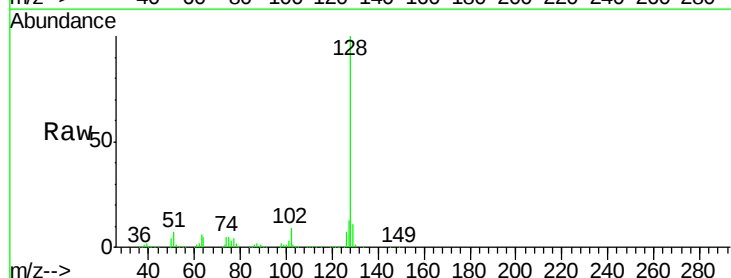
Tgt Ion:128 Resp: 539756

Ion Ratio Lower Upper

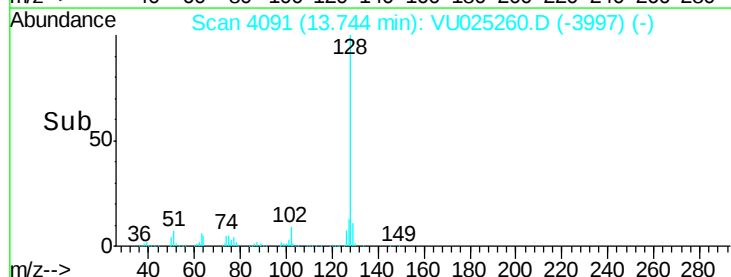
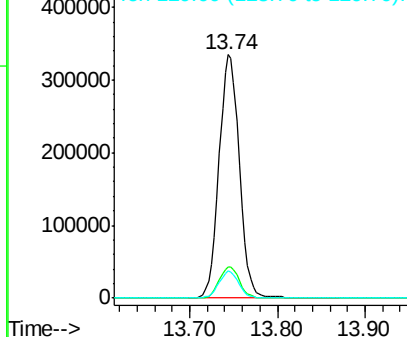
128 100

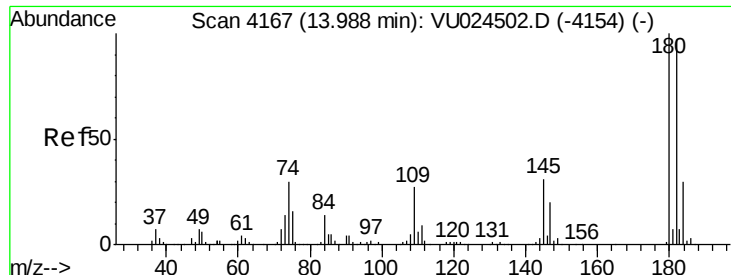
127 12.8 10.6 16.0

129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

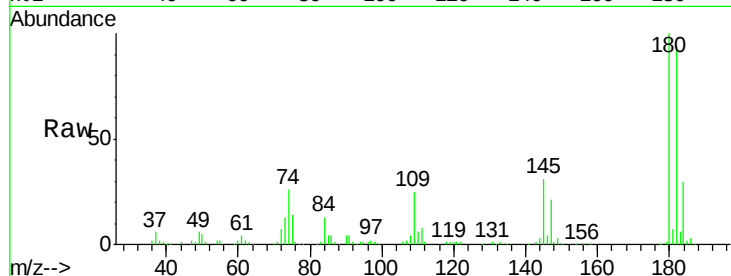




#96
 1,2,3-Trichlorobenzene
 Concen: 54.250 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025260.D
 Acq: 06 Jul 2018 23:20

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.7
145	32.1	15.4	46.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

