

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024557.D
 Acq On : 14 Jun 2018 22:17
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 01:45:18 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	170240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	271901	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	257751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156411	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	126150	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	
35) Dibromofluoromethane	4.89	113	112051	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	7.57	98	409225	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	10.31	95	160888	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	90109	42.287	ug/l	100
3) Chloromethane	1.33	50	100259	46.054	ug/l	100
4) Vinyl Chloride	1.40	62	108940	48.523	ug/l	100
5) Bromomethane	1.62	94	59220	54.565	ug/l	99
6) Chloroethane	1.70	64	66853	53.360	ug/l	99
7) Trichlorofluoromethane	1.89	101	162408	47.401	ug/l	98
8) Diethyl Ether	2.10	74	61231	52.612	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	92776	43.647	ug/l	97
10) Methyl Iodide	2.41	142	80007	45.060	ug/l	98
11) Tert butyl alcohol	2.82	59	133502	197.509	ug/l	99
12) 1,1-Dichloroethene	2.28	96	90537	46.706	ug/l	90
13) Acrolein	2.19	56	71267	200.782	ug/l	98
14) Allyl chloride	2.60	41	153732	42.713	ug/l	95
15) Acrylonitrile	2.94	53	316292	240.509	ug/l	97
16) Acetone	2.32	43	259216	173.590	ug/l	94
17) Carbon Disulfide	2.48	76	278268	44.832	ug/l	98
18) Methyl Acetate	2.62	43	152318	47.581	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	335731	46.076	ug/l	97
20) Methylene Chloride	2.71	84	105470	45.014	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	99920	46.801	ug/l	96
22) Diisopropyl ether	3.57	45	338118	47.390	ug/l	94
23) Vinyl Acetate	3.53	43	1502988	235.162	ug/l	99
24) 1,1-Dichloroethane	3.45	63	190255	46.354	ug/l	99
25) 2-Butanone	4.26	43	448320	223.513	ug/l	97
26) 2,2-Dichloropropane	4.23	77	143784	36.893	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	118631	48.332	ug/l	93
28) Bromochloromethane	4.55	49	90633	50.133	ug/l	89
29) Tetrahydrofuran	4.64	42	291221	234.455	ug/l	96
30) Chloroform	4.68	83	193482	46.573	ug/l	99
31) Cyclohexane	5.00	56	176386	48.327	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	172674	44.948	ug/l	95
36) 1,1-Dichloropropene	5.14	75	143493	44.911	ug/l	97
37) Ethyl Acetate	4.38	43	170222	48.881	ug/l	97
38) Carbon Tetrachloride	5.14	117	158396	45.082	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	174191	43.688	ug/l	96
40) Benzene	5.39	78	431507	47.397	ug/l	100
41) Methacrylonitrile	4.54	41	93761	49.937	ug/l	97
42) 1,2-Dichloroethane	5.41	62	153535	44.279	ug/l	97
43) Isopropyl Acetate	5.55	43	281032	46.687	ug/l	98
44) Trichloroethene	6.19	130	117951	45.523	ug/l	96
45) 1,2-Dichloropropane	6.44	63	116974	48.153	ug/l	99
46) Dibromomethane	6.56	93	80501	47.179	ug/l	95
47) Bromodichloromethane	6.76	83	156713	46.123	ug/l	99
48) Methyl methacrylate	6.63	41	135465	46.216	ug/l	98
49) 1,4-Dioxane	6.61	88	50319	877.839	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	905129	239.343	ug/l	99
52) Toluene	7.64	92	272153	46.464	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	175364	45.959	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	184537	45.387	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	112149	47.103	ug/l	99
56) Ethyl methacrylate	8.02	69	188281	47.247	ug/l	98
57) 1,3-Dichloropropane	8.25	76	188895	47.031	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	394710	258.540	ug/l	96
59) 2-Hexanone	8.36	43	707909	229.289	ug/l	99
60) Dibromochloromethane	8.48	129	135624	45.680	ug/l	99
61) 1,2-Dibromoethane	8.59	107	125244	47.261	ug/l	98
64) Tetrachloroethene	8.23	164	108826	44.418	ug/l	97
65) Chlorobenzene	9.12	112	315040	47.845	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	119040	47.585	ug/l	99
67) Ethyl Benzene	9.25	91	535781	46.415	ug/l	97
68) m/p-Xylenes	9.38	106	421285	95.042	ug/l	96
69) o-Xylene	9.78	106	207471	47.294	ug/l	94
70) Styrene	9.80	104	347153	48.155	ug/l	99
71) Bromoform	9.96	173	111908	47.064	ug/l #	99
73) Isopropylbenzene	10.17	105	549779	45.782	ug/l	98
74) N-amyl acetate	10.01	43	268886	47.075	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	192870	47.929	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	223005	64.759	ug/l	83
77) Bromobenzene	10.45	156	141100	46.412	ug/l	97
78) n-propylbenzene	10.59	91	651215	46.035	ug/l	97
79) 2-Chlorotoluene	10.66	91	383992	46.031	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	474022	45.542	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	223005	149.880	ug/l #	100
82) 4-Chlorotoluene	10.78	91	453081	46.664	ug/l	99
83) tert-Butylbenzene	11.10	119	468049	46.748	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	486042	45.822	ug/l	98
85) sec-Butylbenzene	11.33	105	579284	46.223	ug/l	98
86) p-Isopropyltoluene	11.48	119	512681	45.676	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	263127	46.848	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	265700	47.000	ug/l	99
89) n-Butylbenzene	11.89	91	474461	47.612	ug/l	97
90) Hexachloroethane	12.15	117	98807	45.126	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	263032	46.755	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	49561	44.635	ug/l	89

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Response via : Initial Calibration

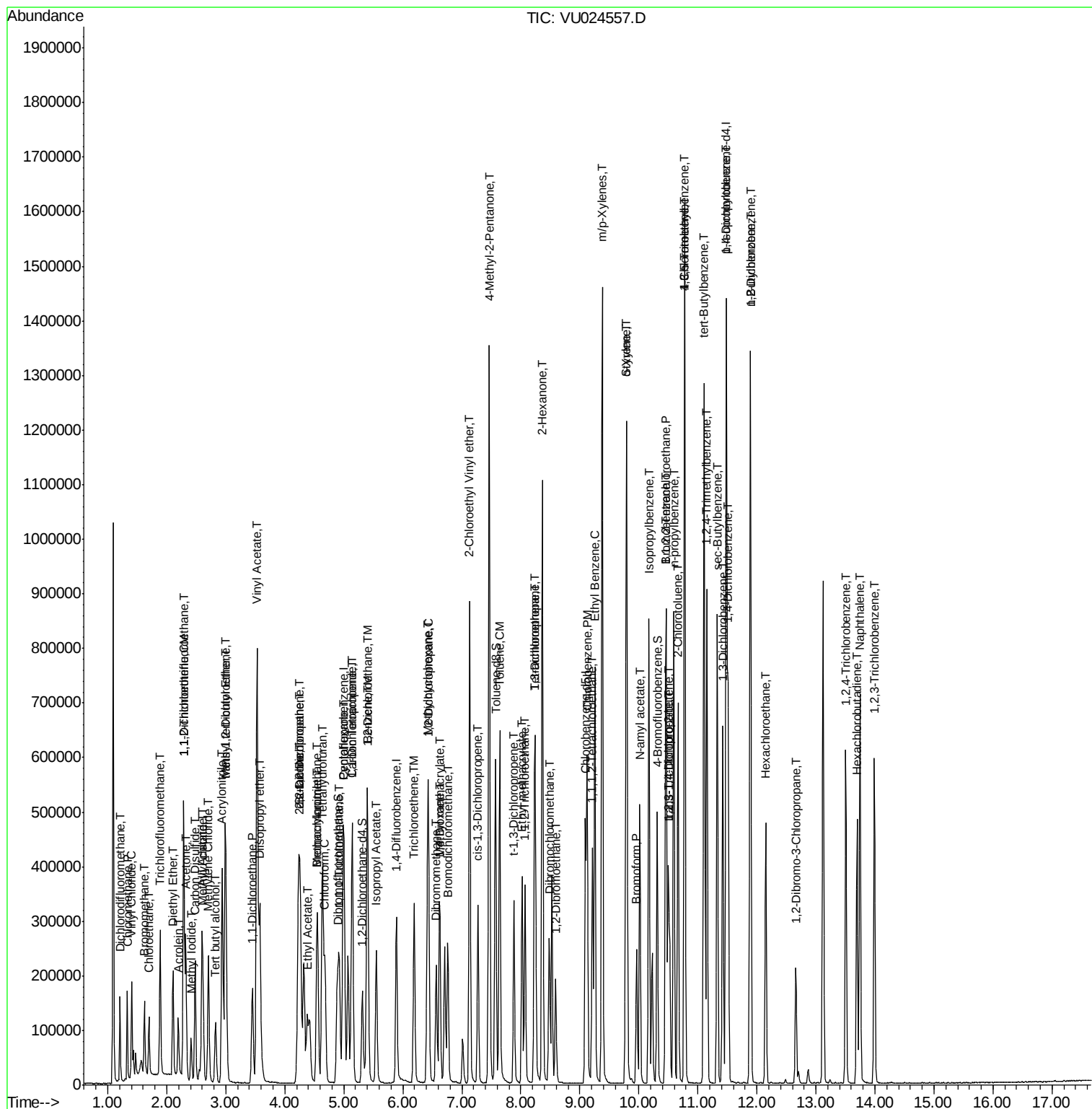
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	184366	53.069	ug/l	100
94) Hexachlorobutadiene	13.70	225	88453	45.236	ug/l	100
95) Naphthalene	13.74	128	558735	48.601	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	186389	53.843	ug/l	99

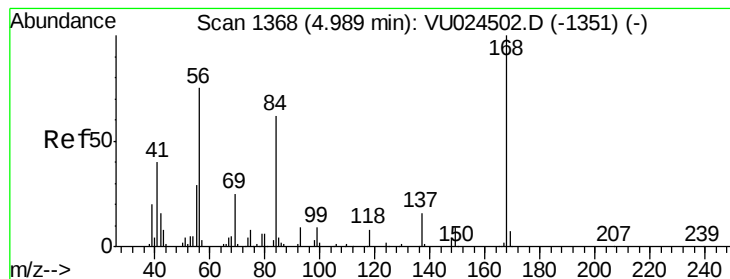
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

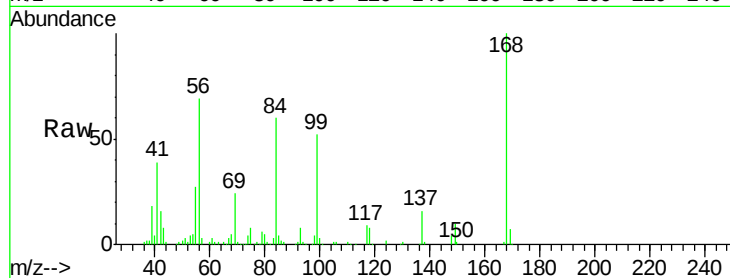
ClientSampleId :

Tot Ion:168 Resp: 170240

Ion Ratio Lower Upper

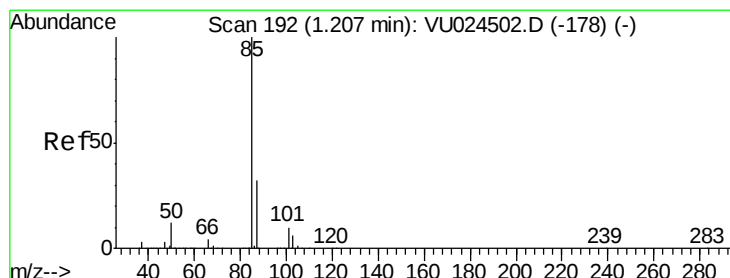
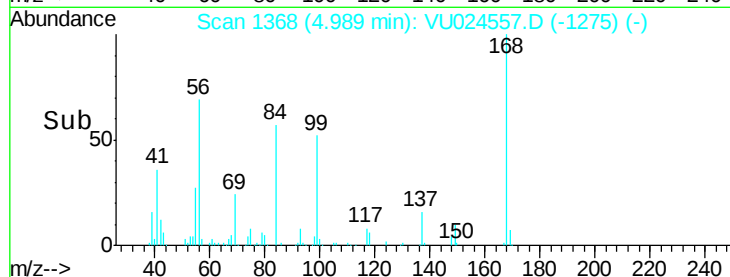
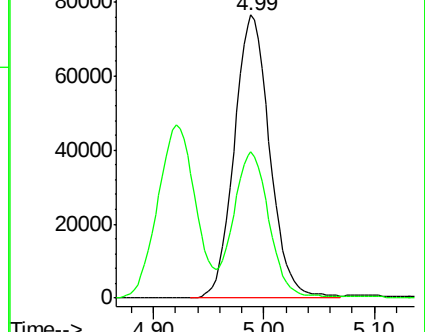
168 100

99 51.0 43.2 64.8



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

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



#2

Dichlorodifluoromethane

Concen: 42.287 ug/l

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU024557.D

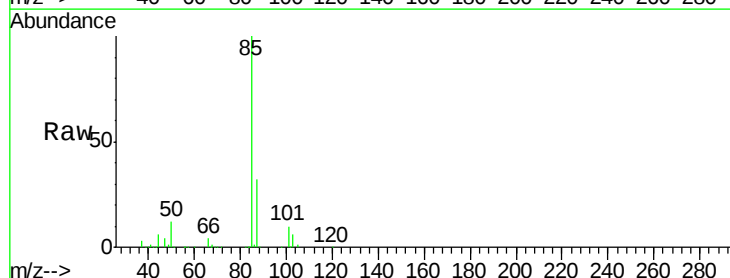
Acq: 14 Jun 2018 22:17

Tgt Ion: 85 Resp: 90109

Ion Ratio Lower Upper

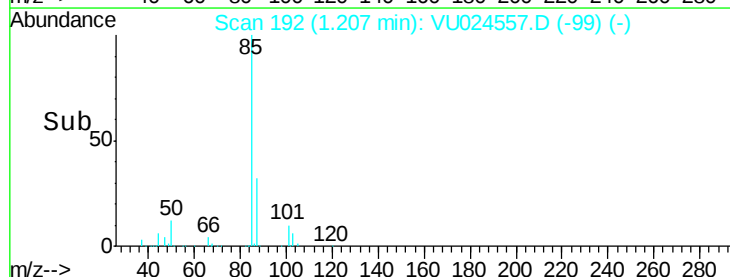
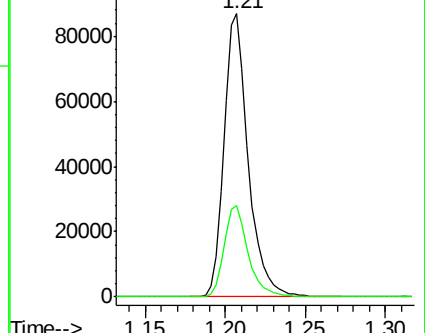
85 100

87 32.1 16.1 48.2



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

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





#3

Chloromethane

Concen: 46.054 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

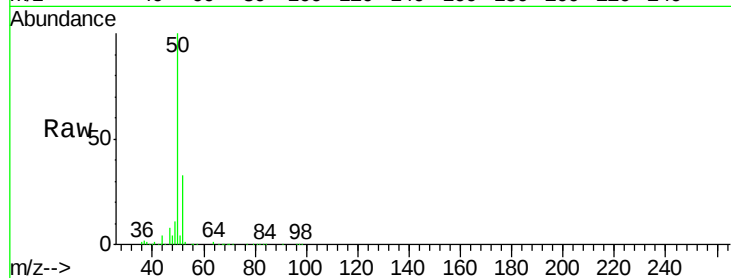
ClientSampled :

Tot Ion: 50 Resp: 100259

Ion Ratio Lower Upper

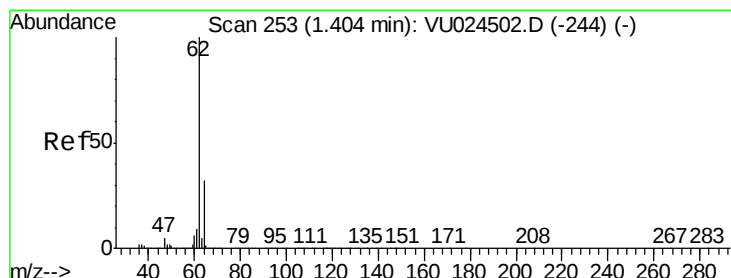
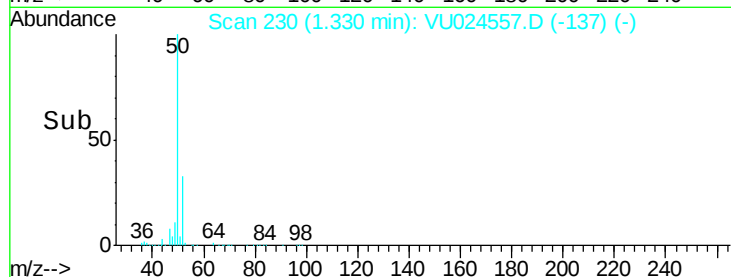
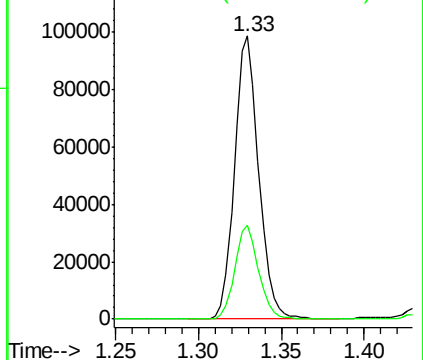
50 100

52 33.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 48.523 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024557.D

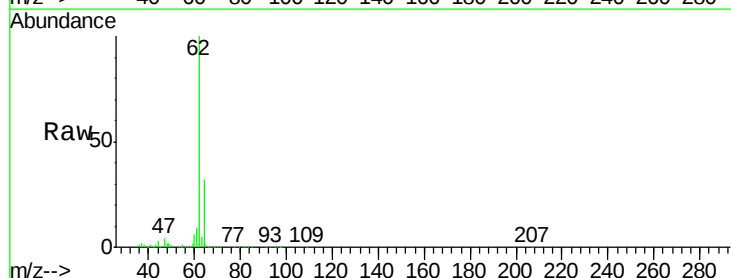
Acq: 14 Jun 2018 22:17

Tgt Ion: 62 Resp: 108940

Ion Ratio Lower Upper

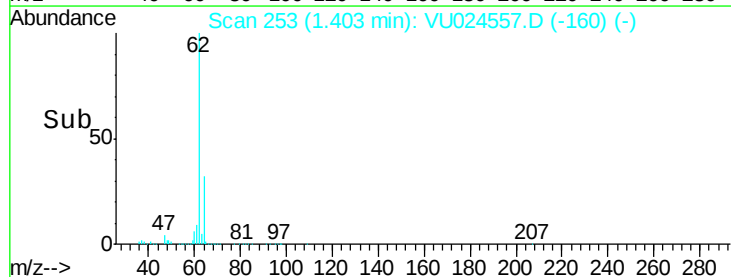
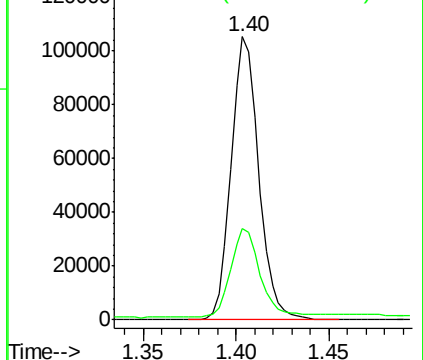
62 100

64 31.1 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 54.565 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

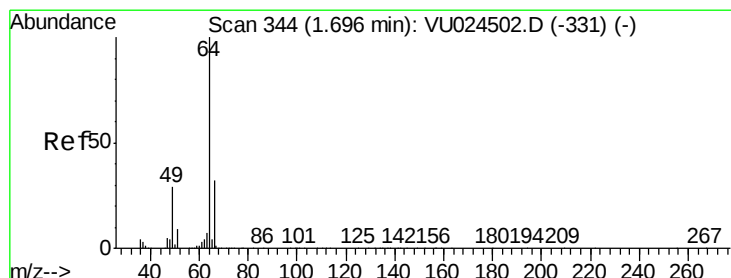
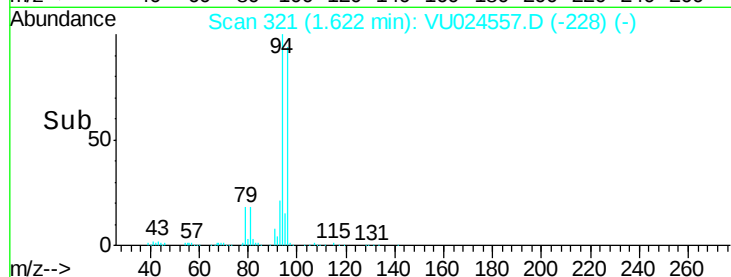
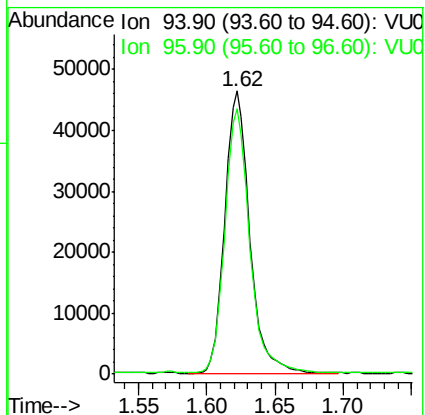
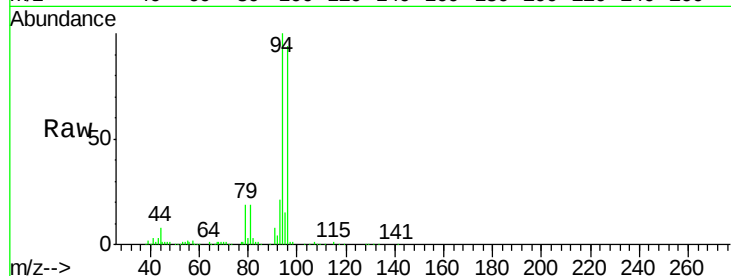
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 94 Resp: 59220

Ion Ratio Lower Upper

94 100

96 93.7 74.5 111.7



#6

Chloroethane

Concen: 53.360 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024557.D

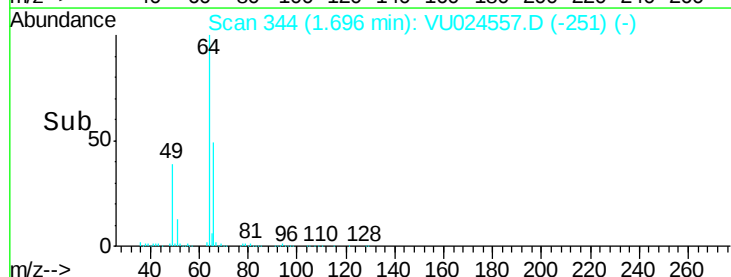
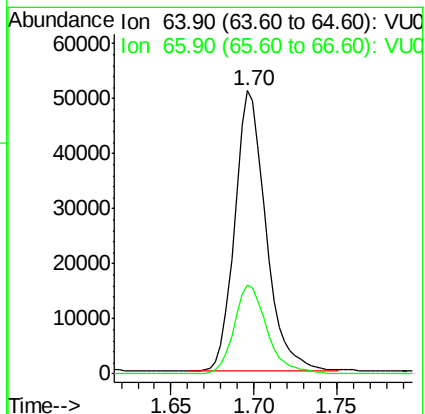
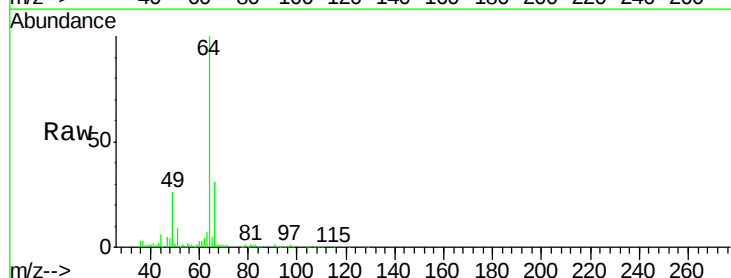
Acq: 14 Jun 2018 22:17

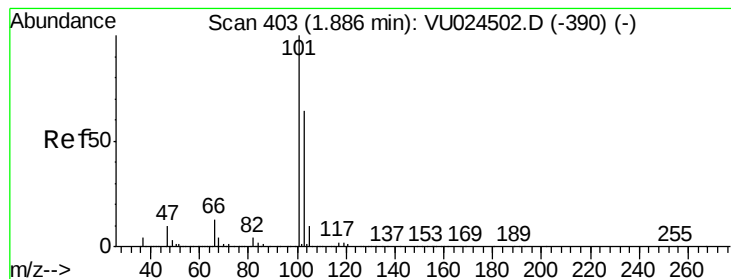
Tgt Ion: 64 Resp: 66853

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3



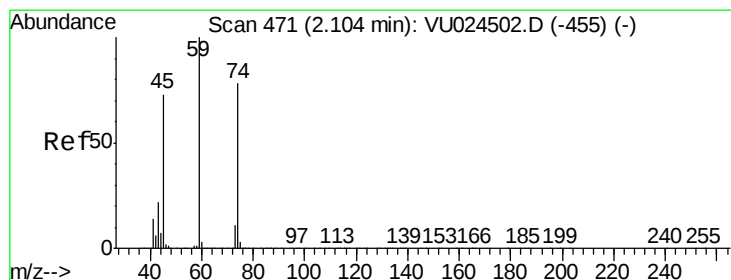
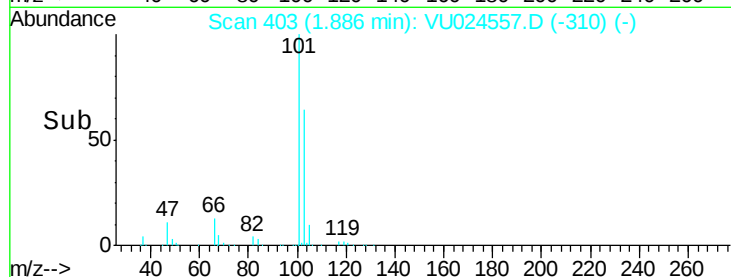
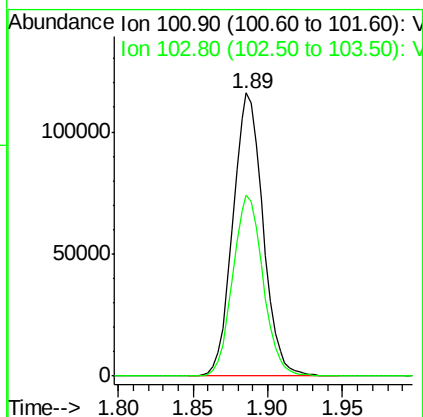
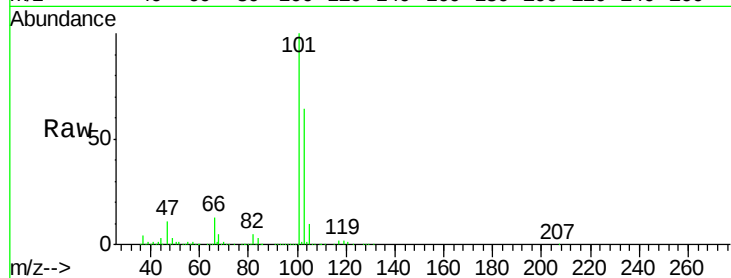


#7

Trichlorofluoromethane
 Concen: 47.401 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Instrument :
 MSVOA_U
 ClientSampleId :

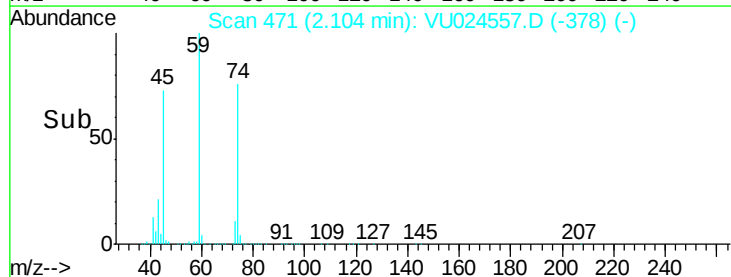
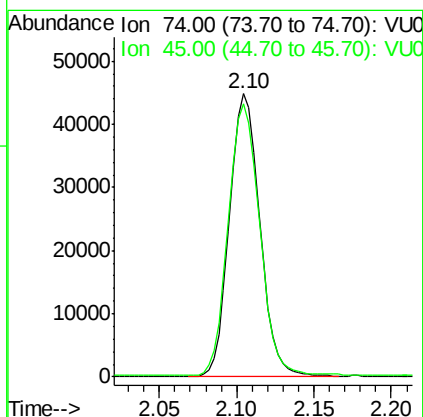
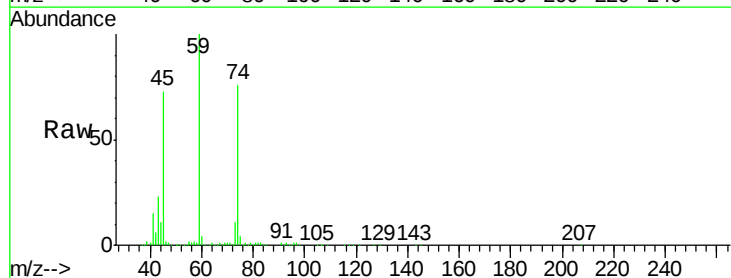
Tot Ion:101 Resp: 162408
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.3 78.5

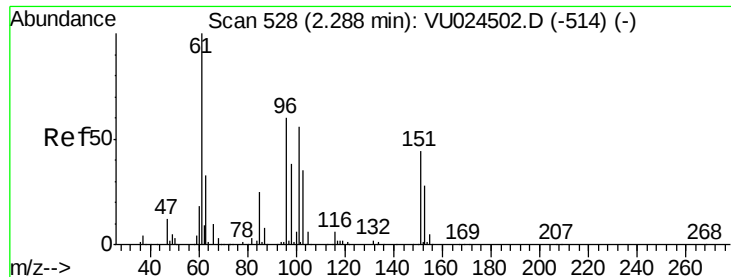


#8

Diethyl Ether
 Concen: 52.612 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion: 74 Resp: 61231
 Ion Ratio Lower Upper
 74 100
 45 98.8 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.647 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

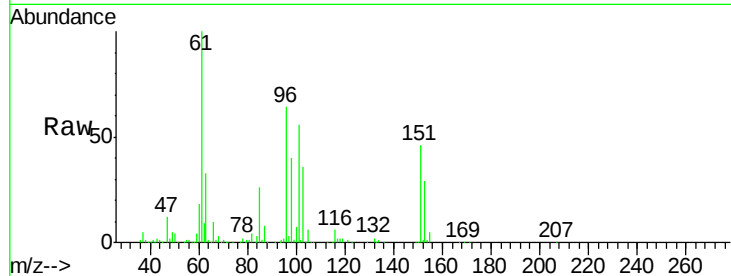
Tot Ion:101 Resp: 92776

Ion Ratio Lower Upper

101 100

85 44.8 36.0 54.0

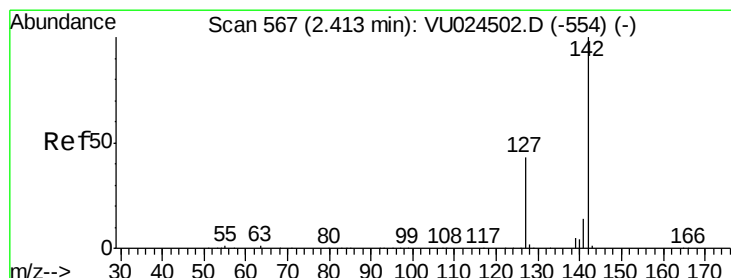
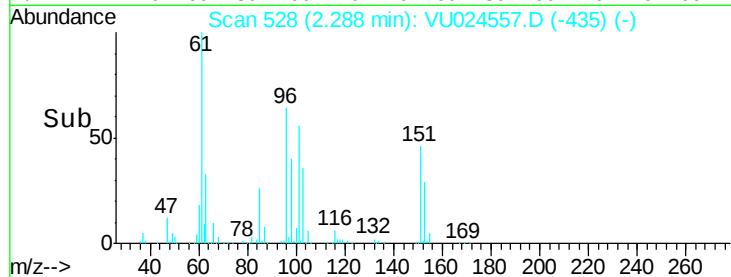
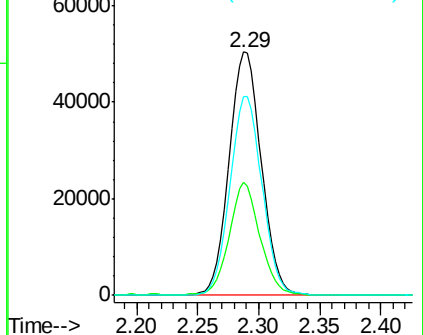
151 81.4 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.060 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

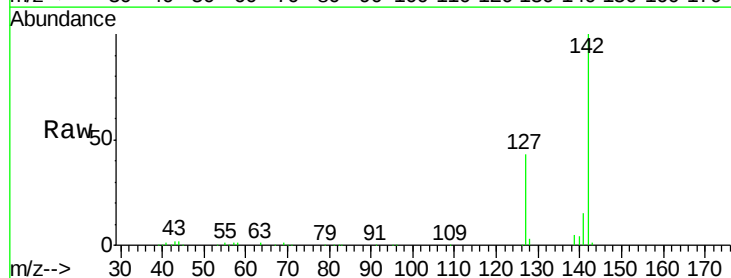
Tgt Ion:142 Resp: 80007

Ion Ratio Lower Upper

142 100

127 42.6 35.6 53.4

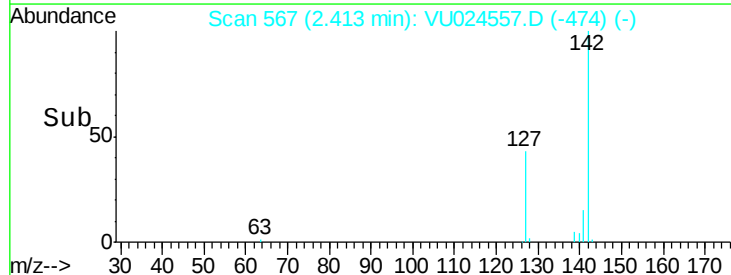
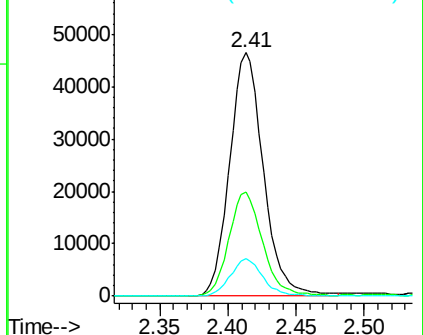
141 14.8 11.7 17.5



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



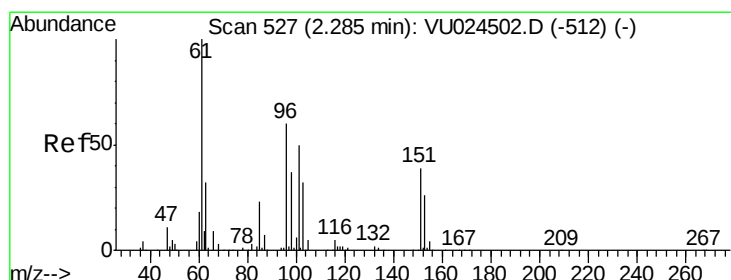
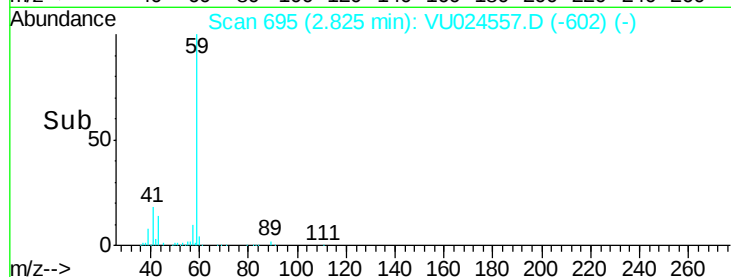
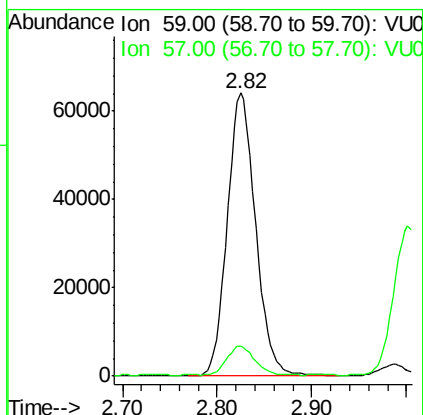
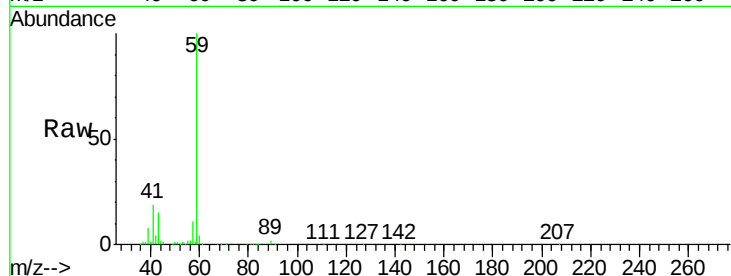


#11

Tert butyl alcohol
 Concen: 197.509 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Instrument :
 MSVOA_U
 ClientSampleId :

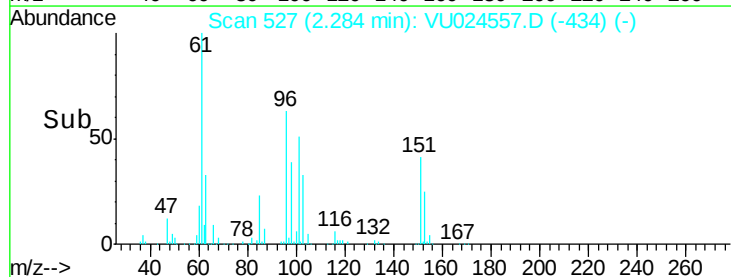
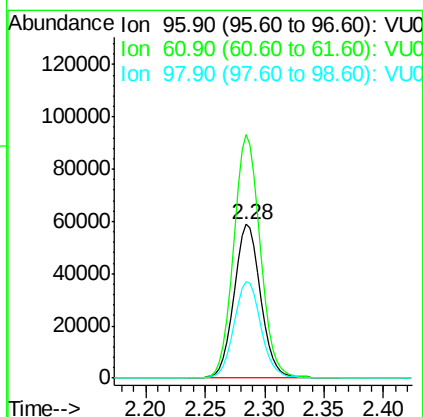
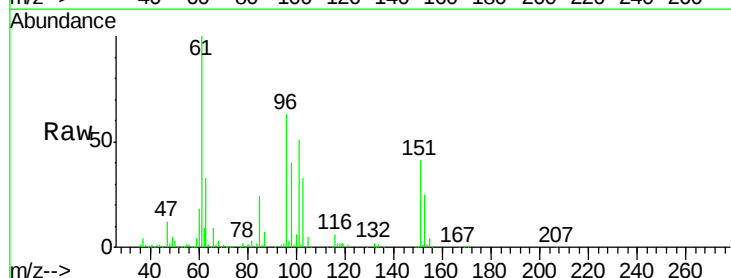
Tot Ion: 59 Resp: 133502
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.5 12.7

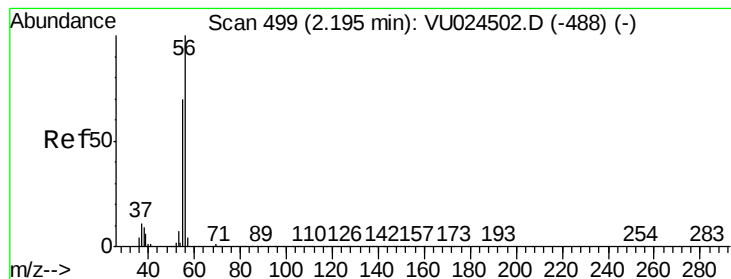


#12

1,1-Dichloroethene
 Concen: 46.706 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion: 96 Resp: 90537
 Ion Ratio Lower Upper
 96 100
 61 158.8 141.7 212.5
 98 62.7 51.6 77.4





#13

Acrolein

Concen: 200.782 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

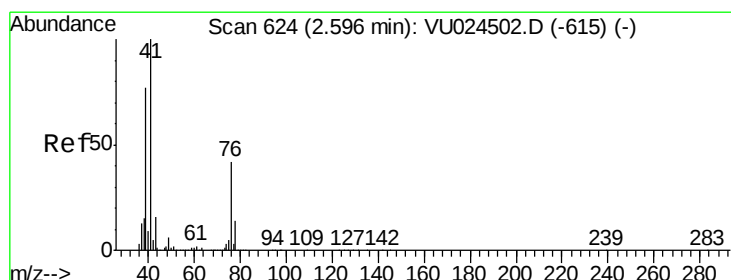
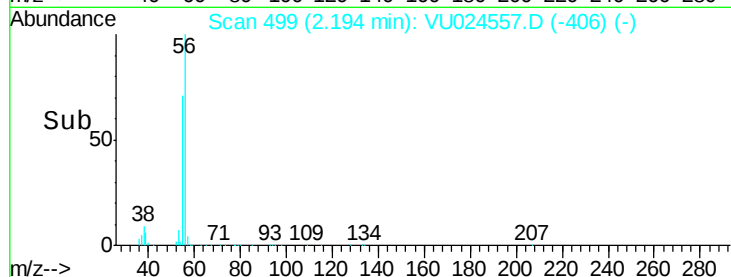
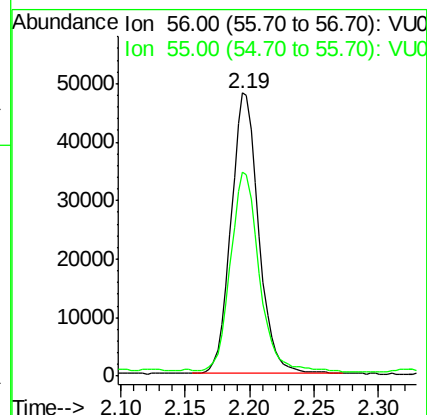
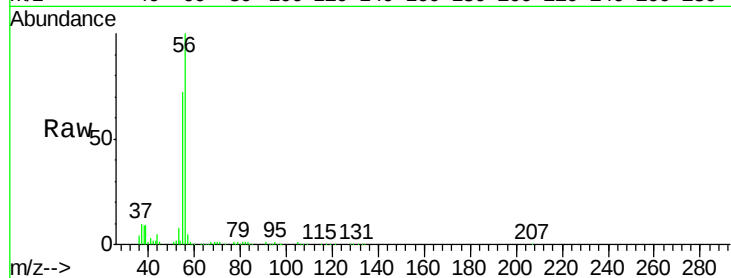
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 71267

Ion Ratio Lower Upper

56 100

55 74.5 58.4 87.6



#14

Allyl chloride

Concen: 42.713 ug/l

RT: 2.60 min Scan# 624

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

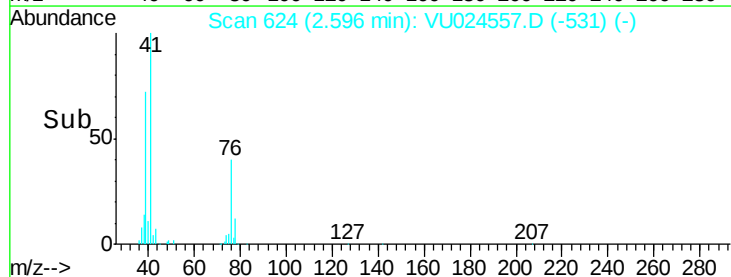
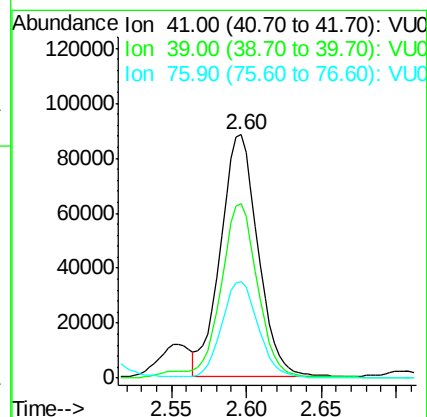
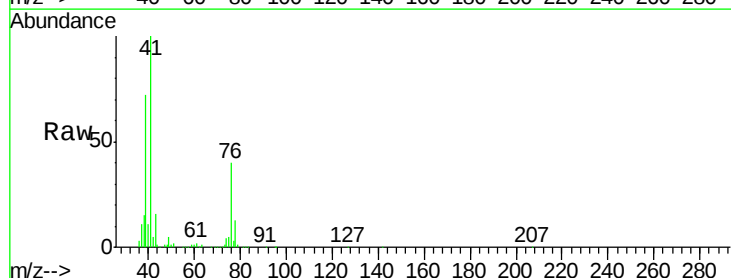
Tgt Ion: 41 Resp: 153732

Ion Ratio Lower Upper

41 100

39 71.8 61.6 92.4

76 39.0 29.7 44.5





#15

Acrylonitrile

Concen: 240.509 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

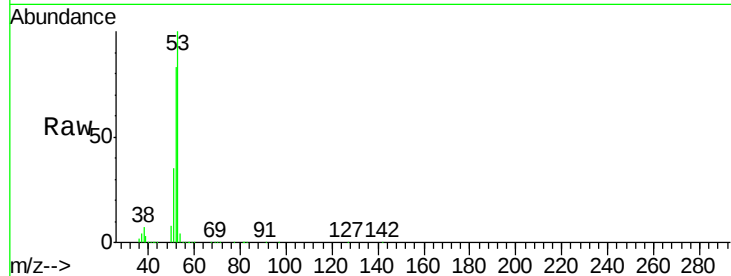
Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 53 Resp: 316292

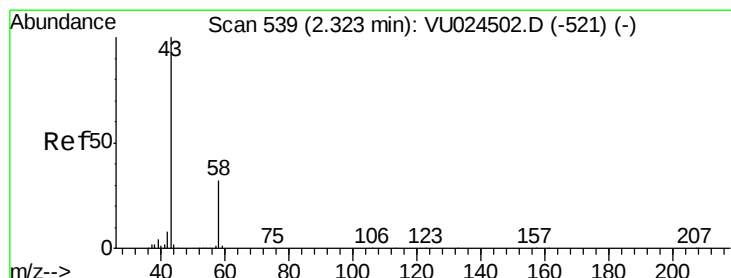
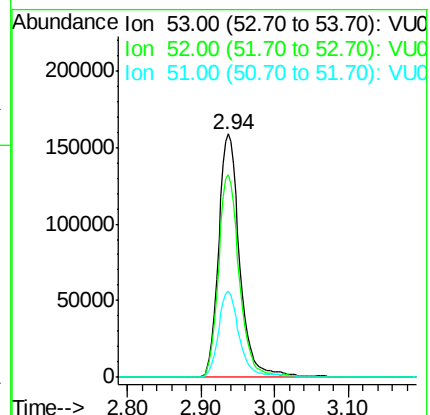
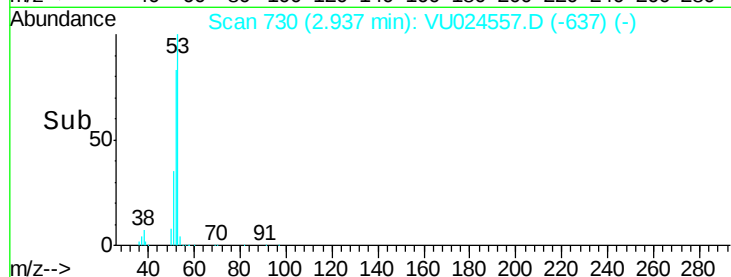
Ion	Ratio	Lower	Upper
53	100		
52	81.2	67.1	100.7
51	34.1	28.4	42.6



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 173.590 ug/l

RT: 2.32 min Scan# 539

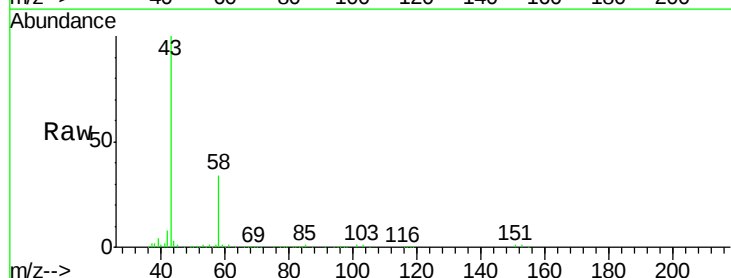
Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

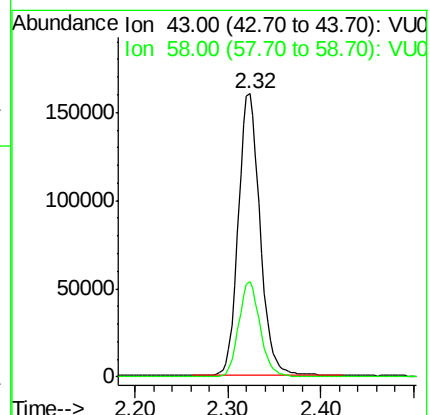
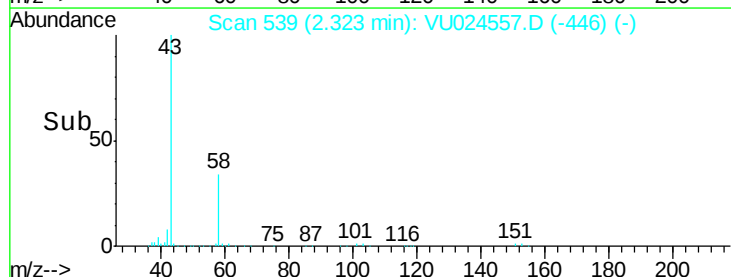
Tgt Ion: 43 Resp: 259216

Ion	Ratio	Lower	Upper
43	100		
58	33.8	24.4	36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

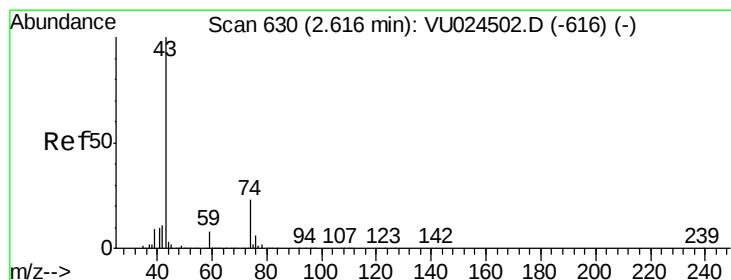
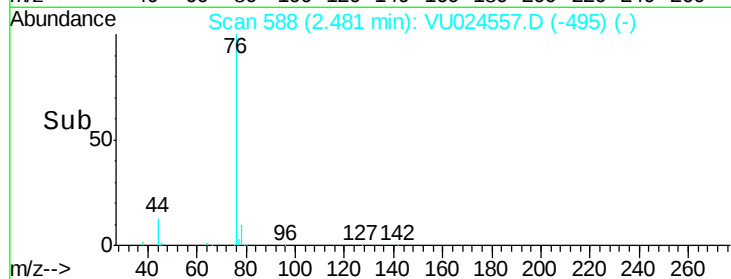
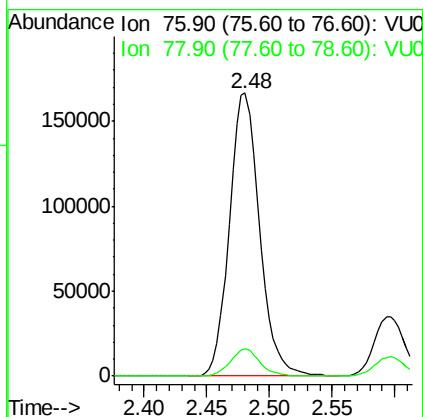
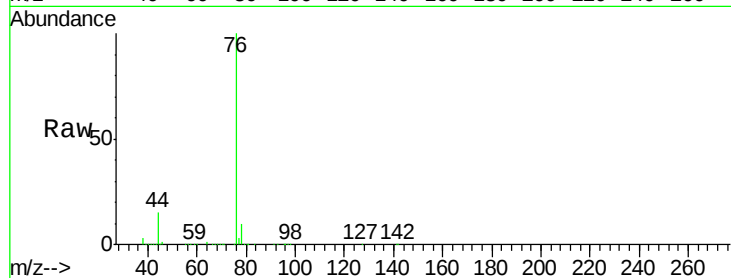




#17
Carbon Disulfide
Concen: 44.832 ug/l
RT: 2.48 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

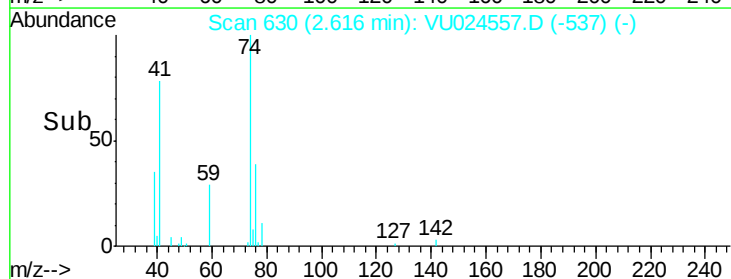
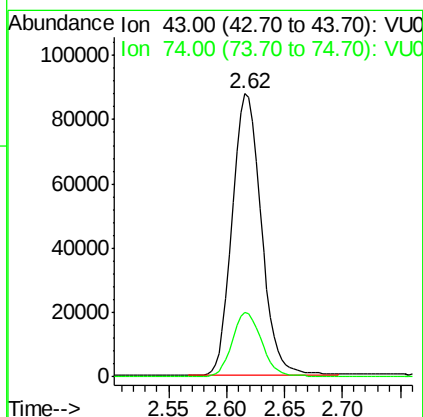
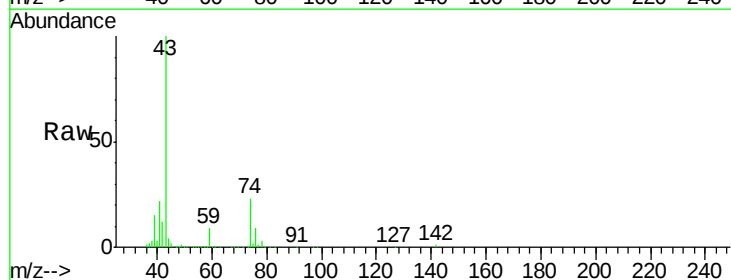
Instrument :
MSVOA_U
ClientSampleId :

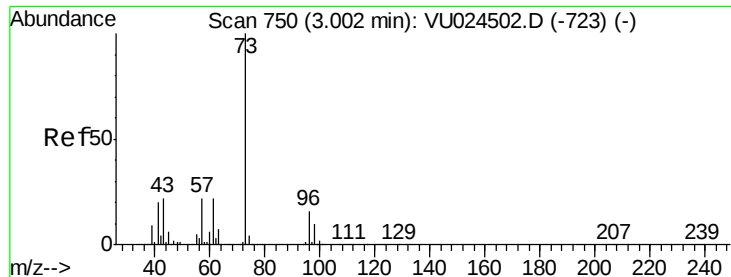
Tot Ion: 76 Resp: 278268
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7



#18
Methyl Acetate
Concen: 47.581 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion: 43 Resp: 152318
Ion Ratio Lower Upper
43 100
74 23.4 18.0 27.0



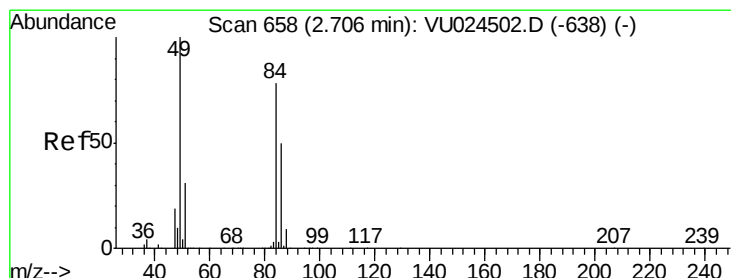
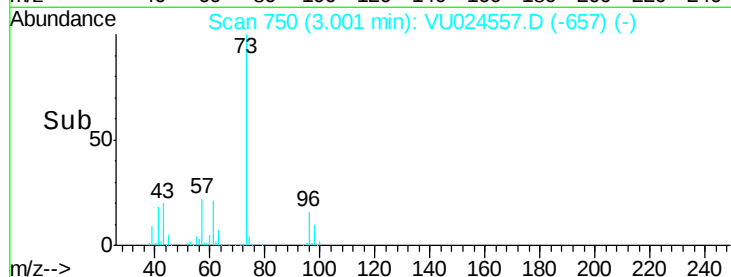
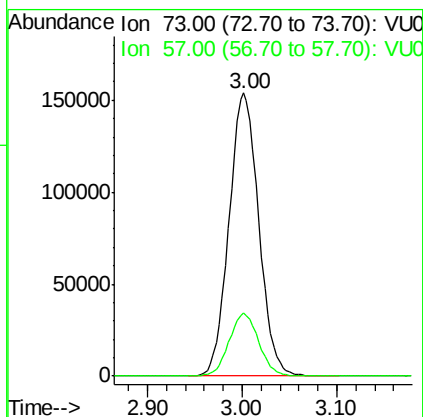
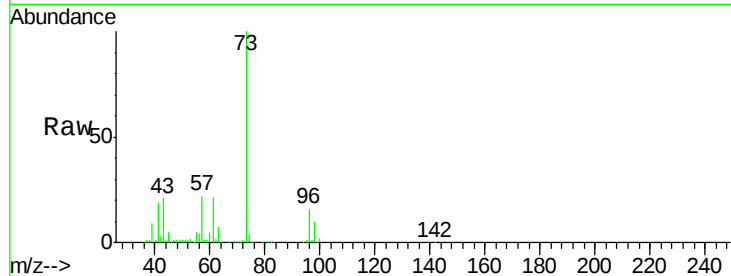


#19

Methyl tert-butyl Ether
 Concen: 46.076 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Instrument :
 MSVOA_U
 ClientSampleId :

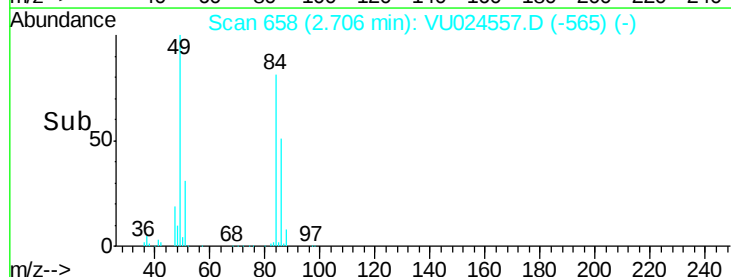
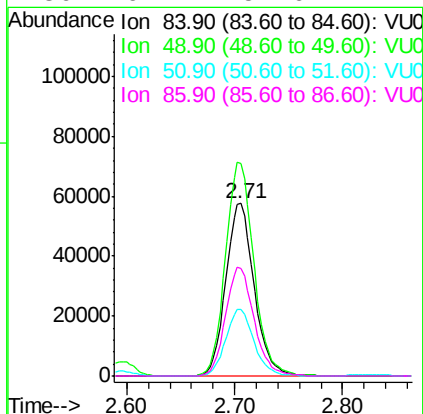
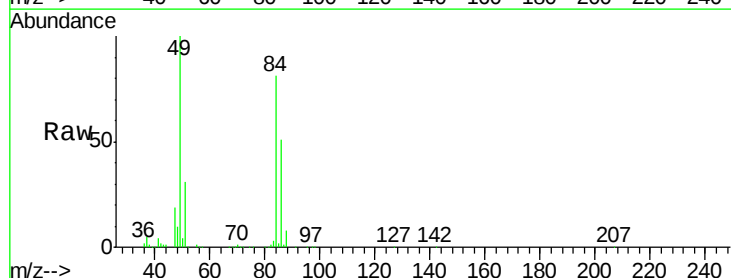
Tot Ion: 73 Resp: 335731
 Ion Ratio Lower Upper
 73 100
 57 22.0 18.8 28.2



#20

Methylene Chloride
 Concen: 45.014 ug/l
 RT: 2.71 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion: 84 Resp: 105470
 Ion Ratio Lower Upper
 84 100
 49 123.5 103.8 155.8
 51 38.4 32.0 48.0
 86 62.7 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 46.801 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

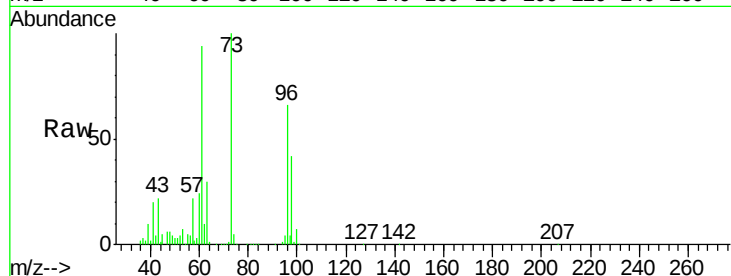
Tot Ion: 96 Resp: 99920

Ion Ratio Lower Upper

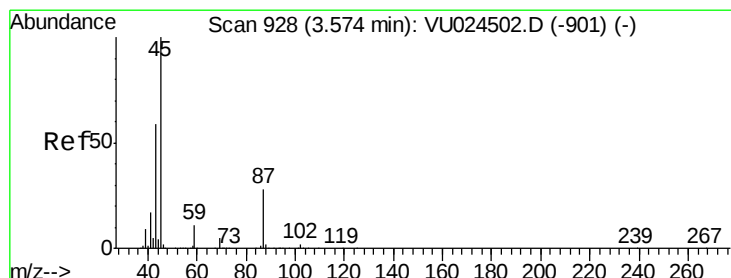
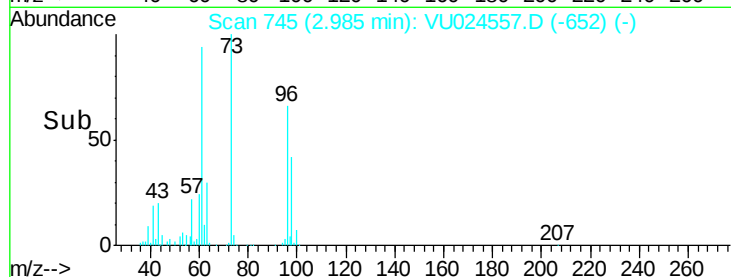
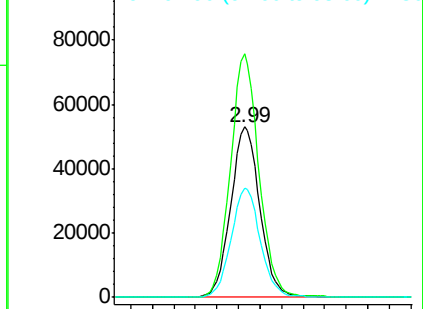
96 100

61 142.9 119.4 179.0

98 64.0 51.1 76.7



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



#22

Diisopropyl ether

Concen: 47.390 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Tgt Ion: 45 Resp: 338118

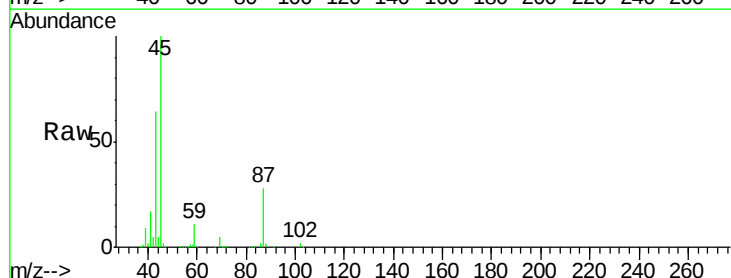
Ion Ratio Lower Upper

45 100

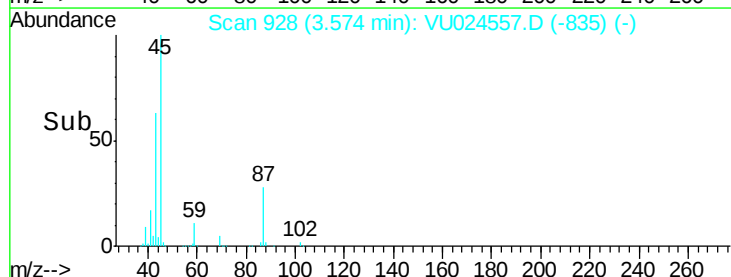
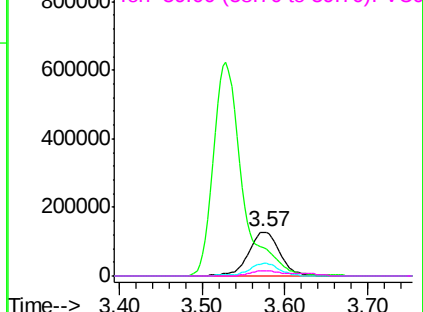
43 62.6 45.8 68.6

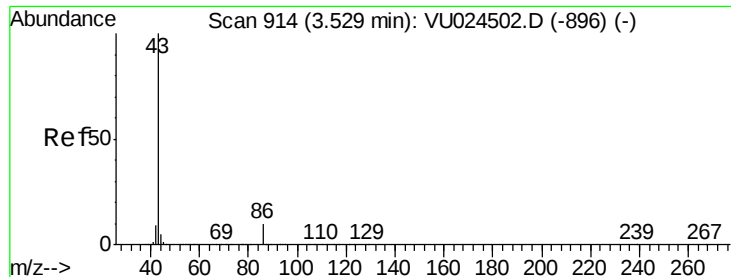
87 27.9 20.6 31.0

59 11.5 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 235.162 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

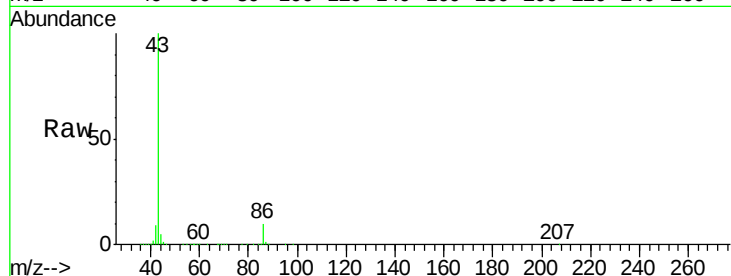
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1502988

Ion Ratio Lower Upper

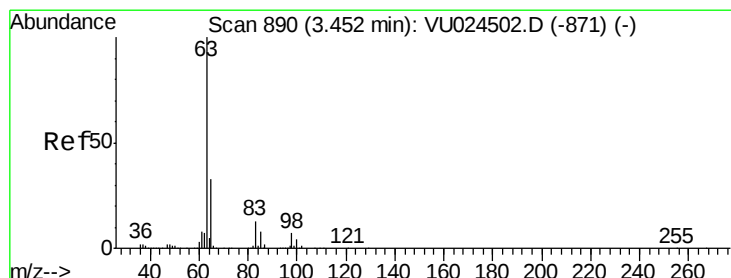
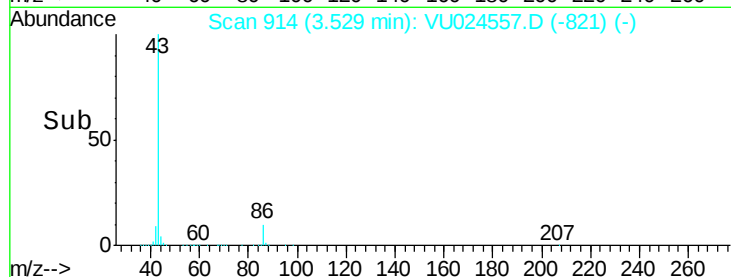
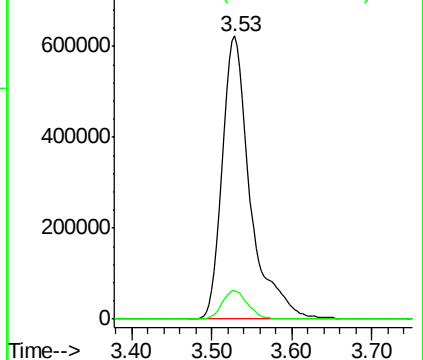
43 100

86 10.2 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU024557.D (-821) (-)

Ion 86.00 (85.70 to 86.70): VU024557.D (-821) (-)



#24

1,1-Dichloroethane

Concen: 46.354 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

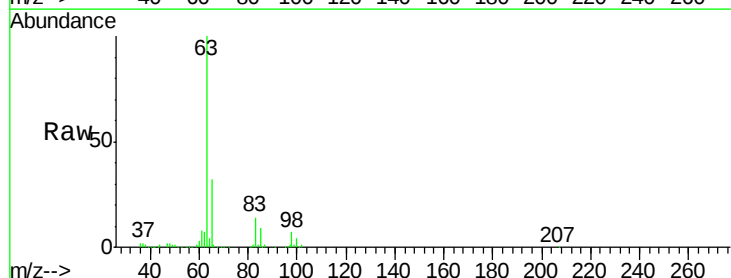
Tgt Ion: 63 Resp: 190255

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

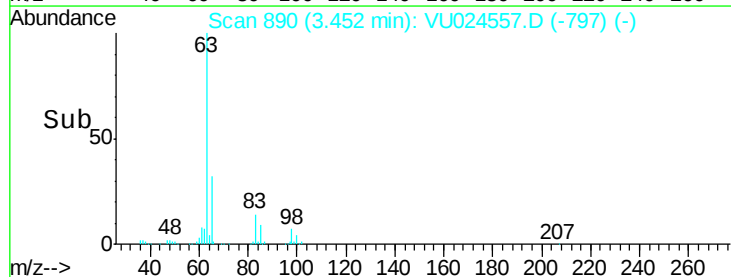
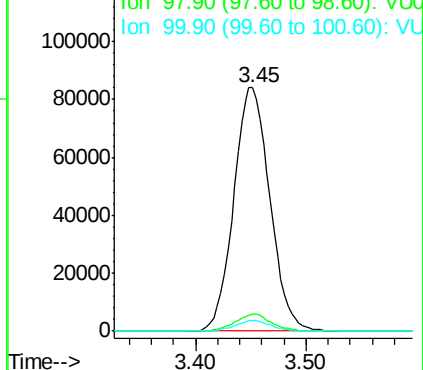
100 4.4 1.8 5.5

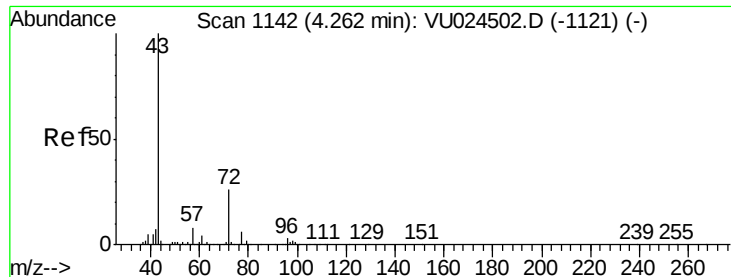


Abundance Ion 62.90 (62.60 to 63.60): VU024557.D (-797) (-)

Ion 97.90 (97.60 to 98.60): VU024557.D (-797) (-)

Ion 99.90 (99.60 to 100.60): VU024557.D (-797) (-)

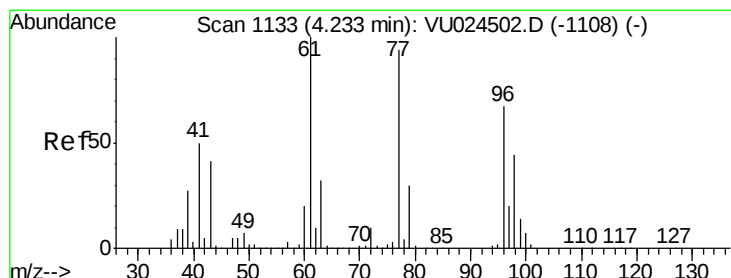
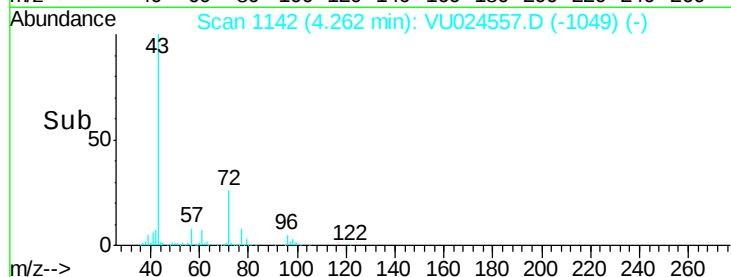
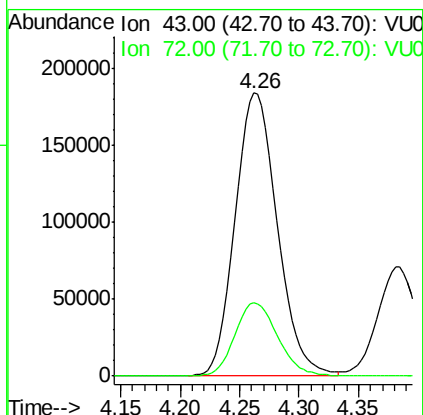
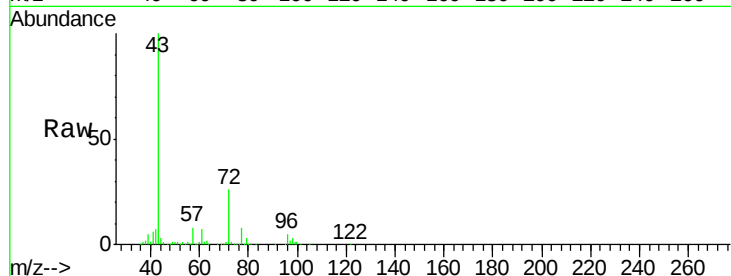




#25
2-Butanone
Concen: 223.513 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

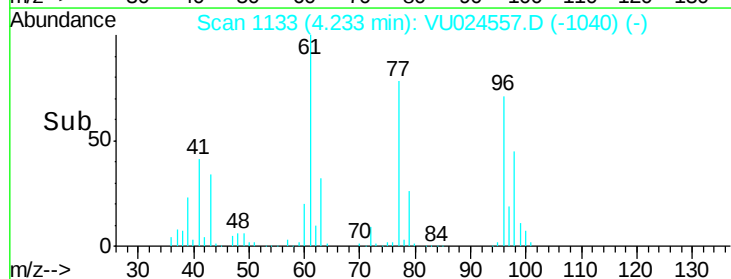
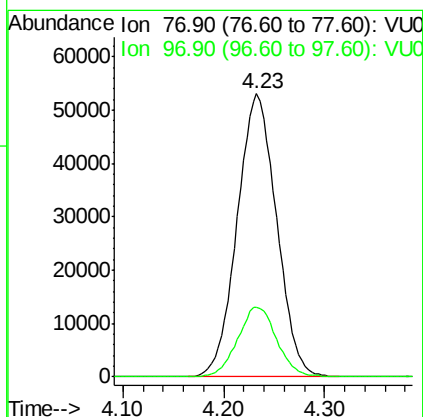
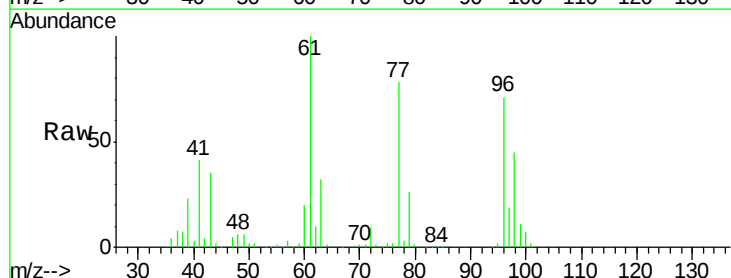
Instrument :
MSVOA_U
ClientSampleId :

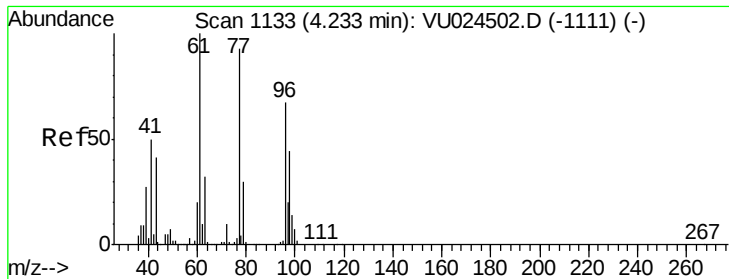
Tot Ion: 43 Resp: 448320
Ion Ratio Lower Upper
43 100
72 26.1 19.6 29.4



#26
2,2-Dichloropropane
Concen: 36.893 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion: 77 Resp: 143784
Ion Ratio Lower Upper
77 100
97 24.5 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 48.332 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

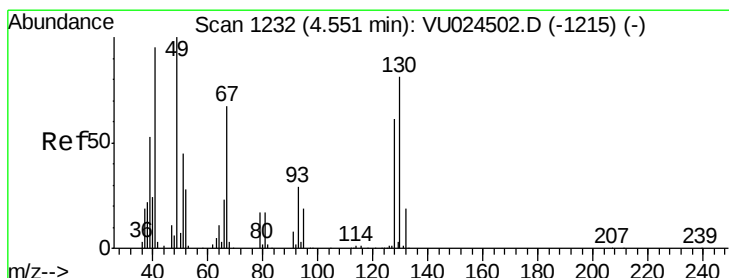
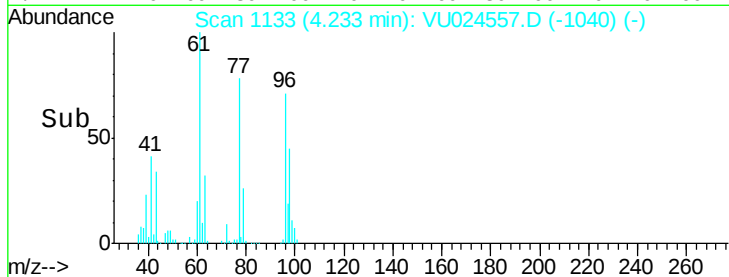
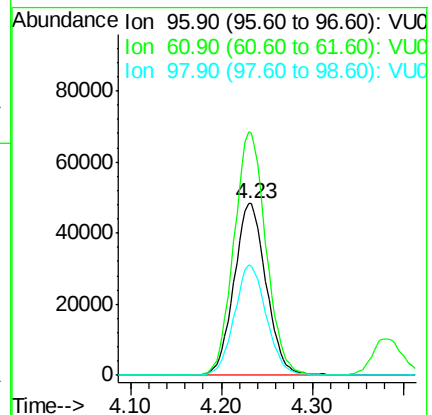
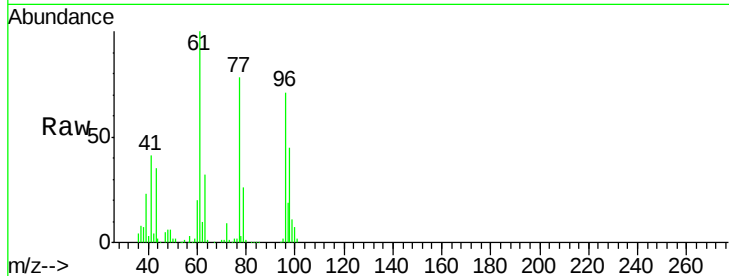
Tot Ion: 96 Resp: 118631

Ion Ratio Lower Upper

96 100

61 141.3 0.0 306.6

98 63.9 0.0 128.8



#28

Bromochloromethane

Concen: 50.133 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

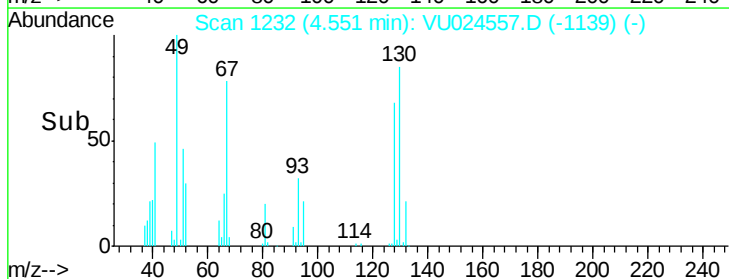
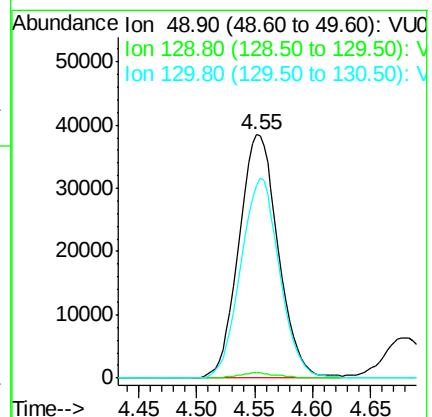
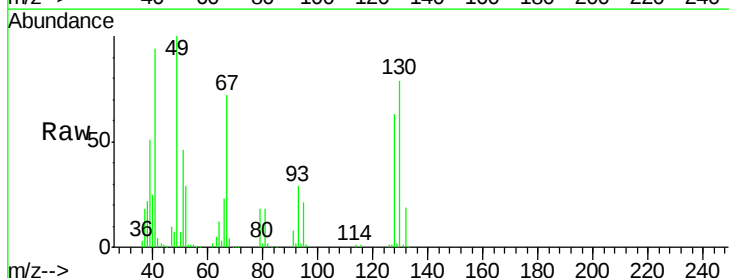
Tgt Ion: 49 Resp: 90633

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 81.3 57.8 86.6

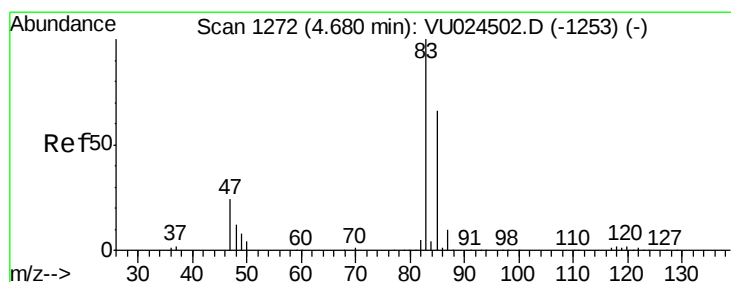
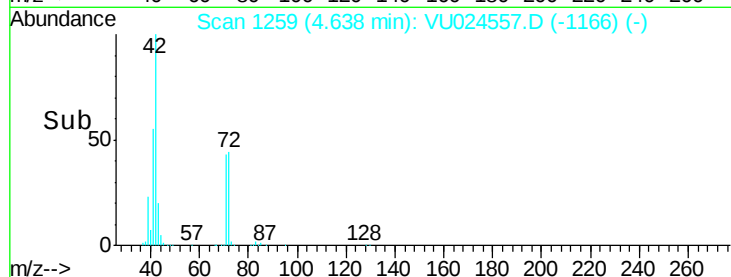
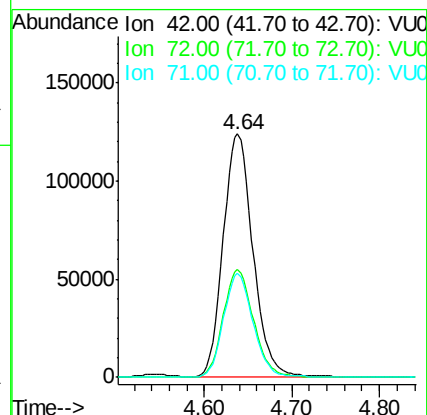
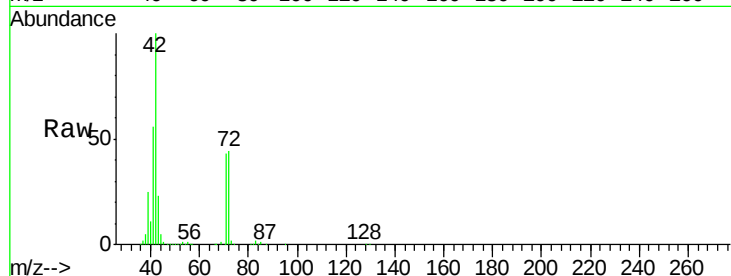




#29
Tetrahydrofuran
Concen: 234.455 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

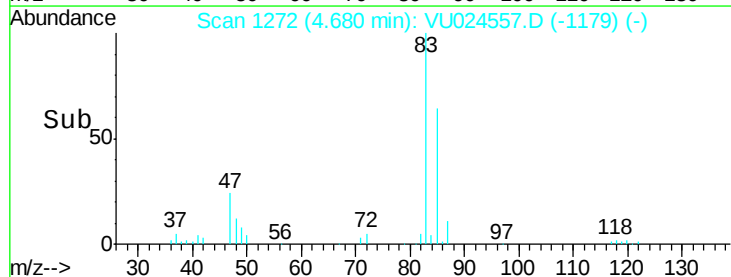
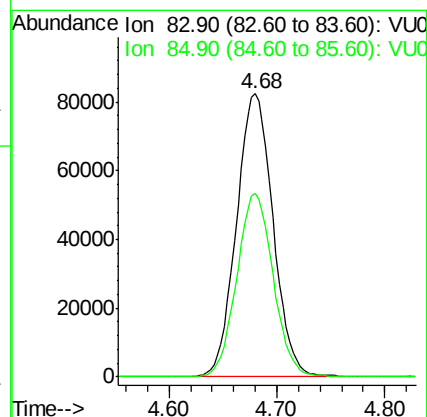
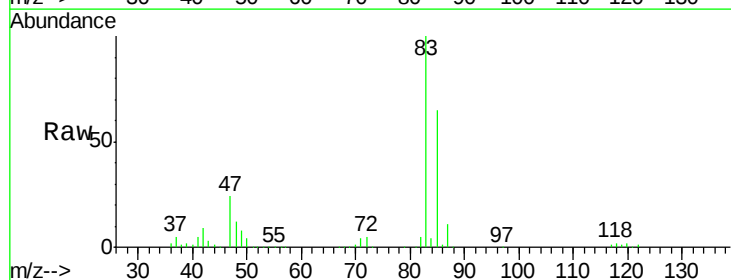
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	34.5	51.7
71	42.8	32.2	48.4



#30
Chloroform
Concen: 46.573 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6

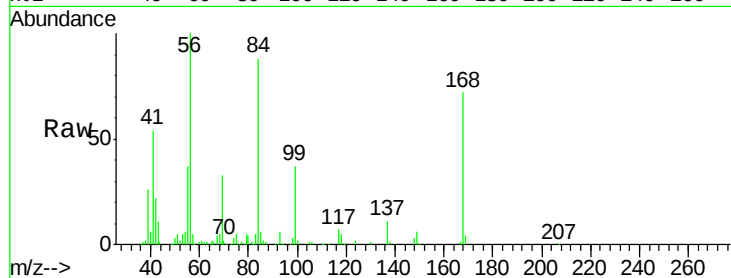




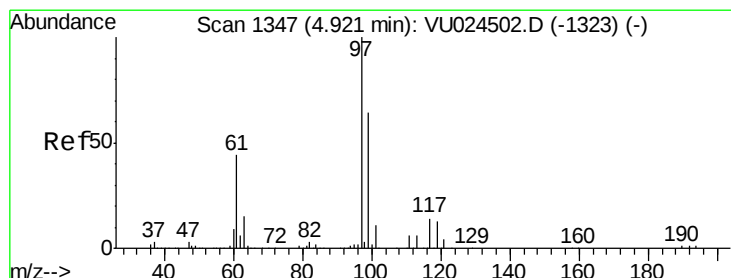
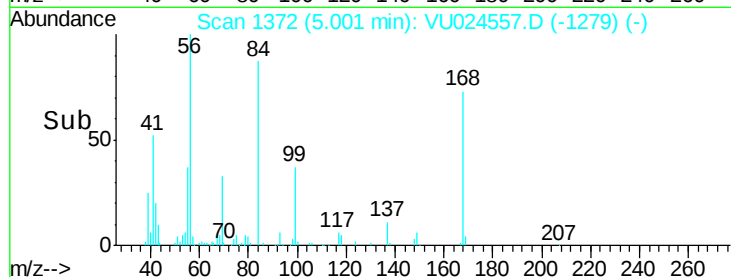
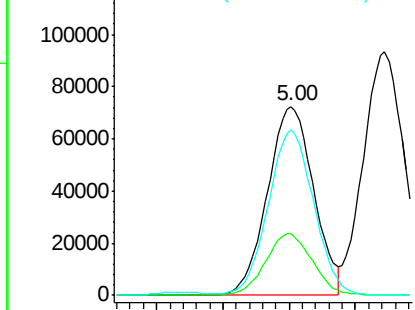
#31
Cyclohexane
Concen: 48.327 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 176386
Ion Ratio Lower Upper
56 100
69 32.7 24.8 37.2
84 86.3 65.2 97.8

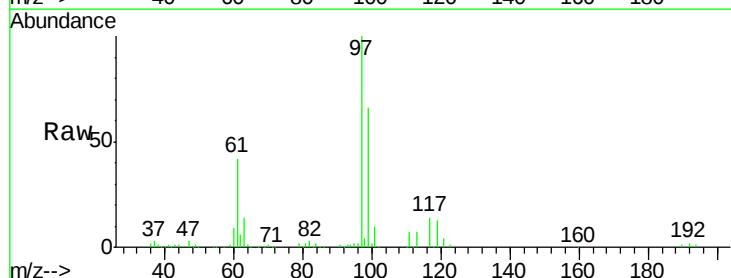


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

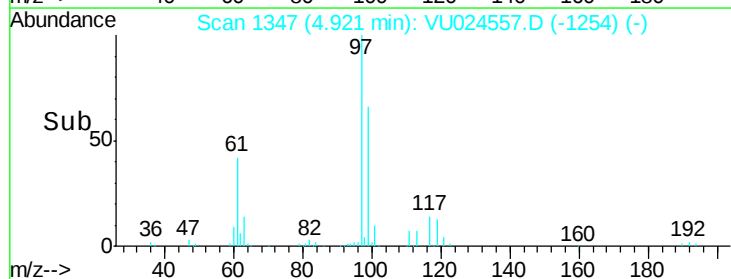
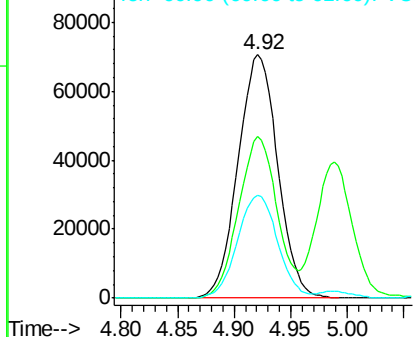


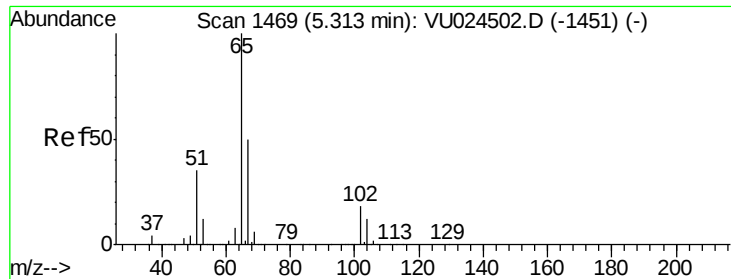
#32
1,1,1-Trichloroethane
Concen: 44.948 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion: 97 Resp: 172674
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.6
61 42.9 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

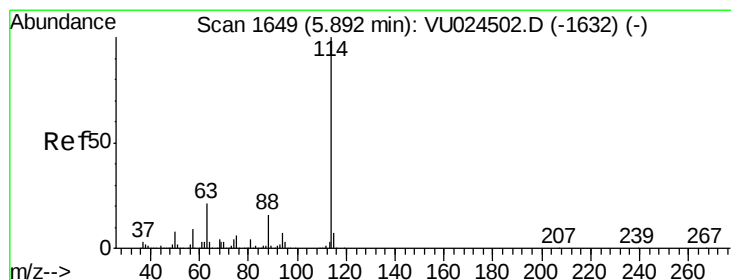
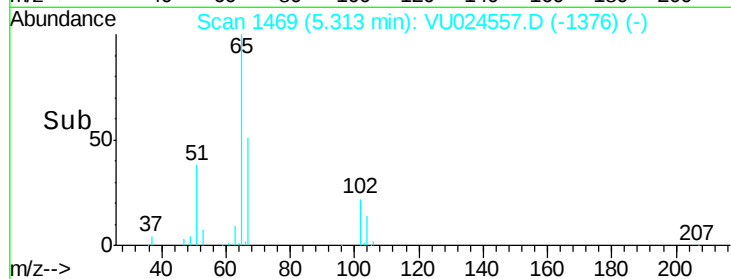
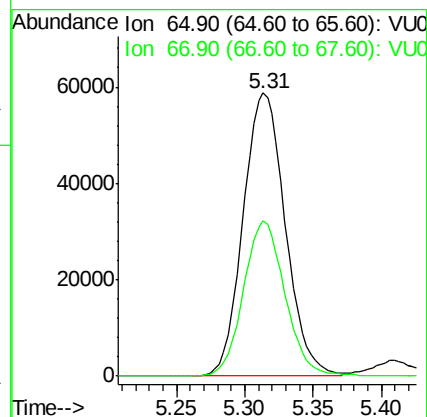
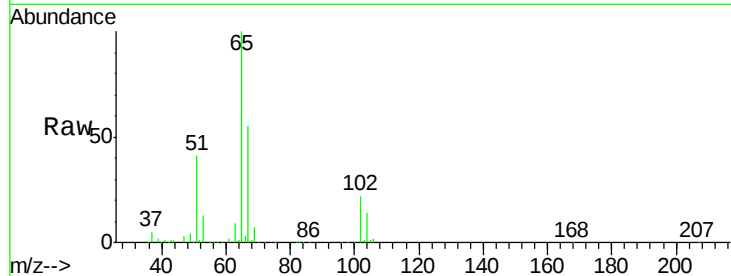




#33
 1,2-Dichloroethane-d4
 Concen: 45.391 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

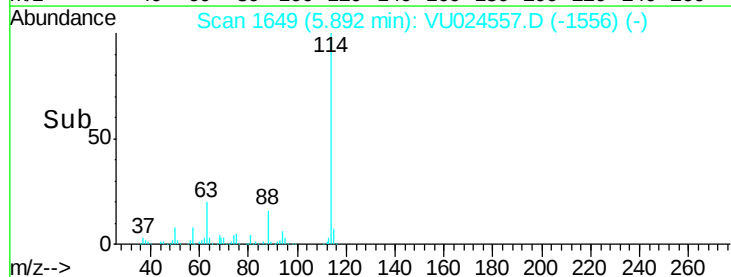
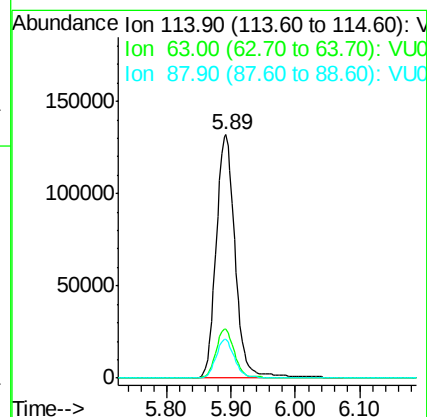
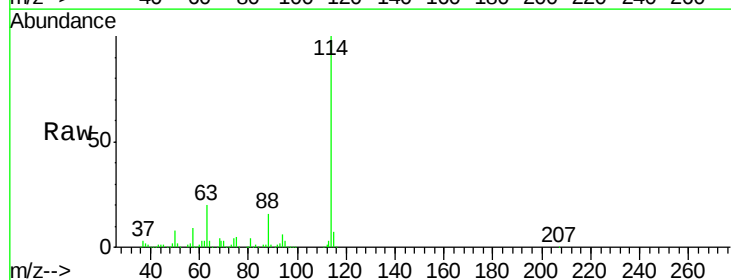
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 65 Resp: 126150
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion: 114 Resp: 271901
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 45.4
 88 15.8 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.655 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :

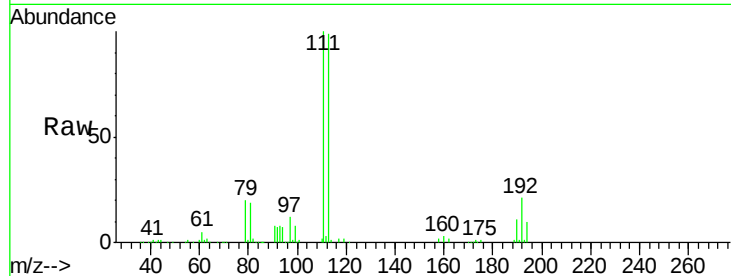
Tot Ion:113 Resp: 112051

Ion Ratio Lower Upper

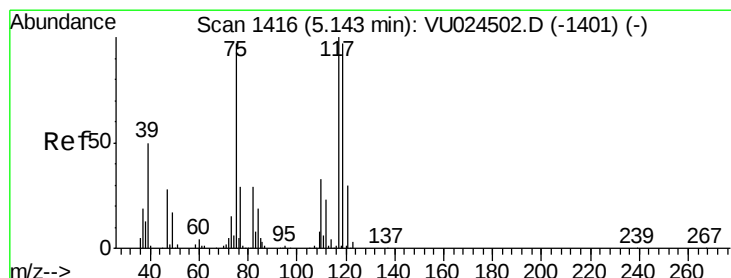
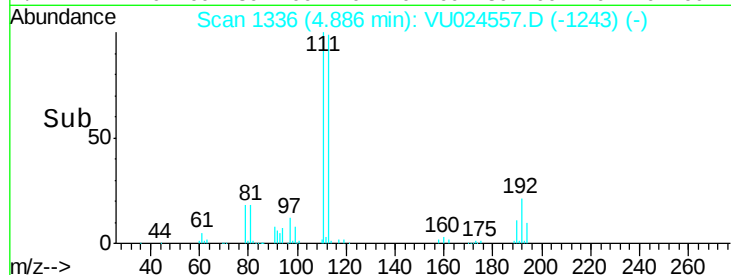
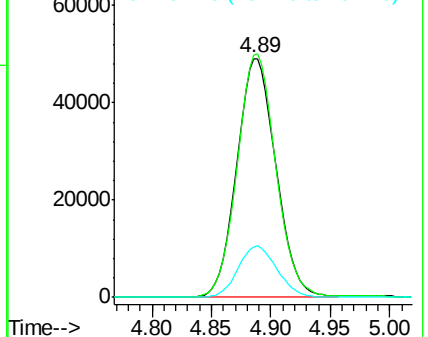
113 100

111 100.5 82.2 123.4

192 21.2 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 44.911 ug/l

RT: 5.14 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

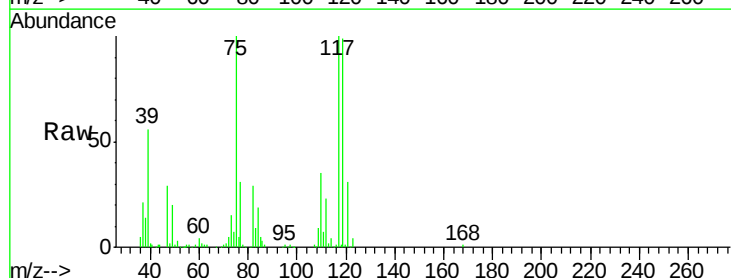
Tgt Ion: 75 Resp: 143493

Ion Ratio Lower Upper

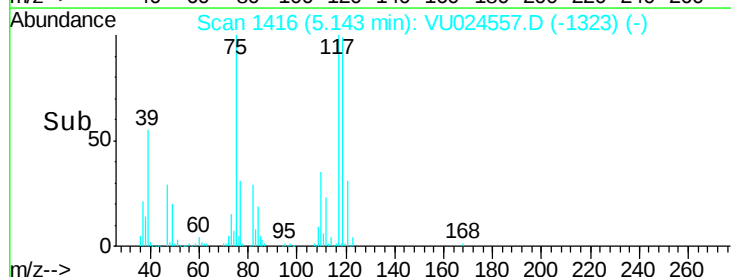
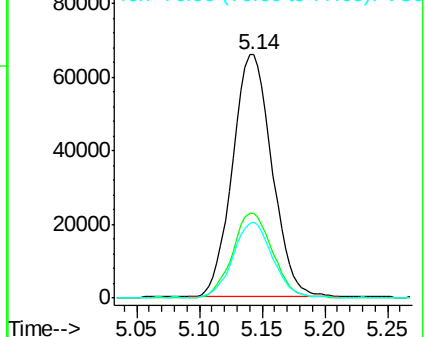
75 100

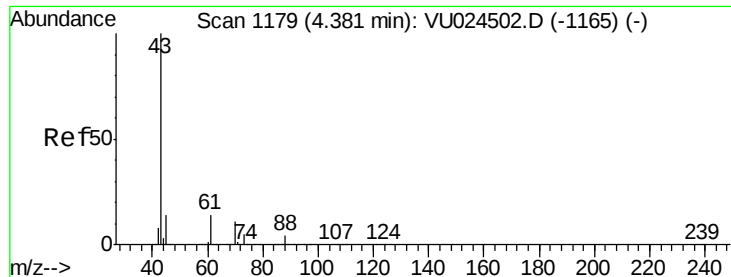
110 36.3 17.0 50.9

77 30.9 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0

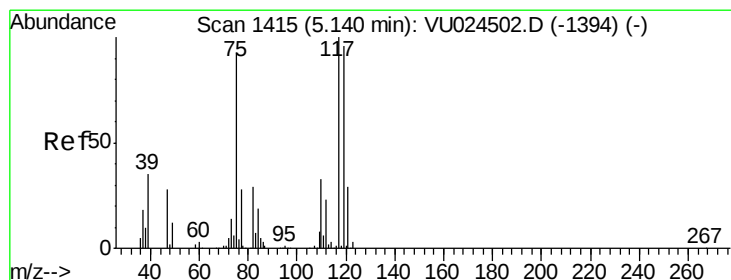
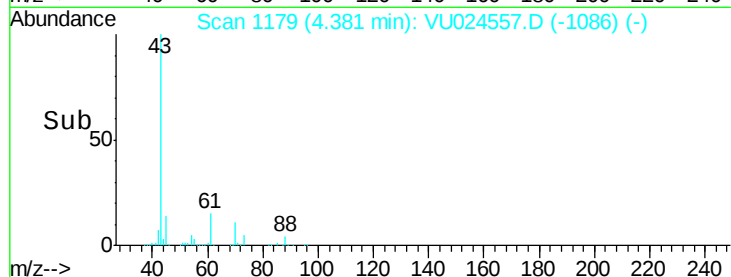
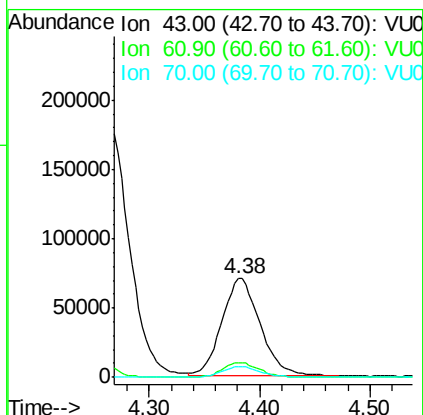
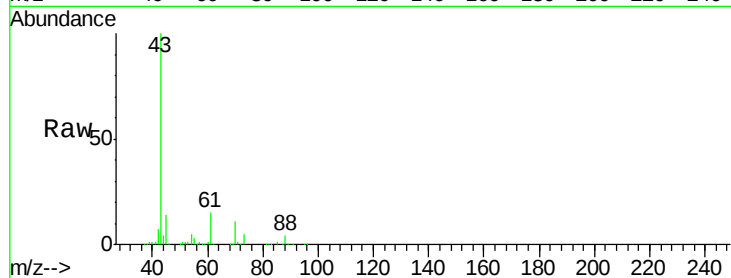




#37
Ethyl Acetate
Concen: 48.881 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

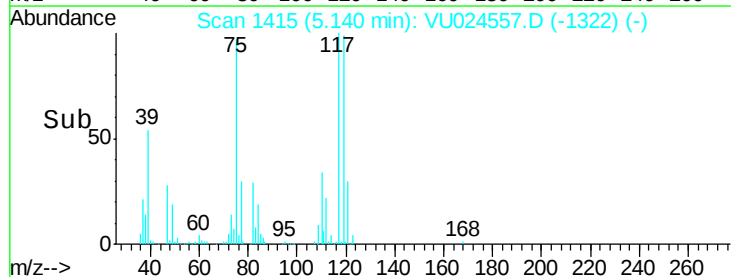
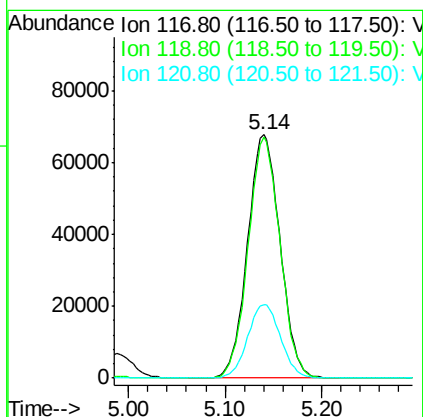
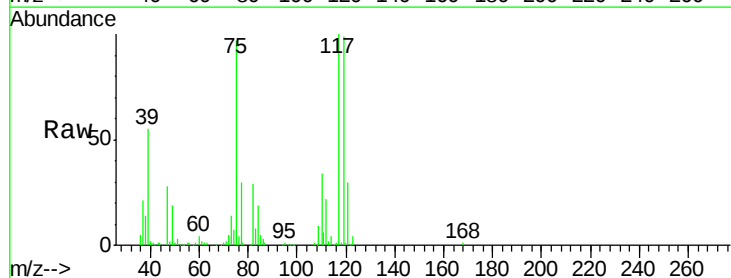
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	43	Resp	170222
Ion Ratio	Lower	Upper	
43	100		
61	14.1	10.5	15.7
70	11.0	7.4	11.2



#38
Carbon Tetrachloride
Concen: 45.082 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion	117	Resp	158396
Ion Ratio	Lower	Upper	
117	100		
119	99.0	76.1	114.1
121	30.2	23.7	35.5

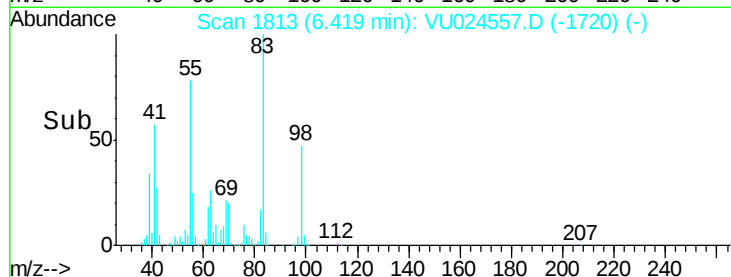
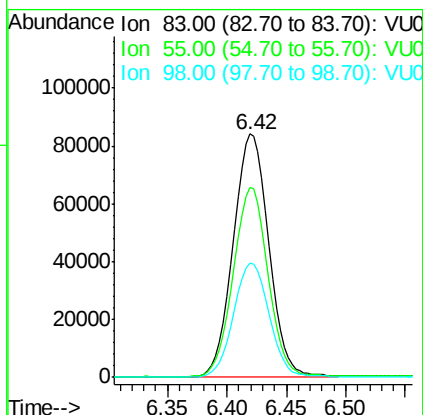
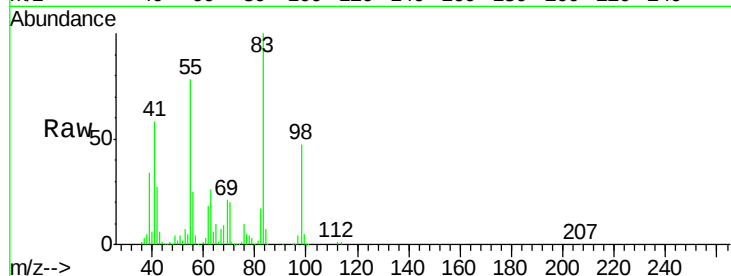




#39
Methvlcvclohexane
Concen: 43.688 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

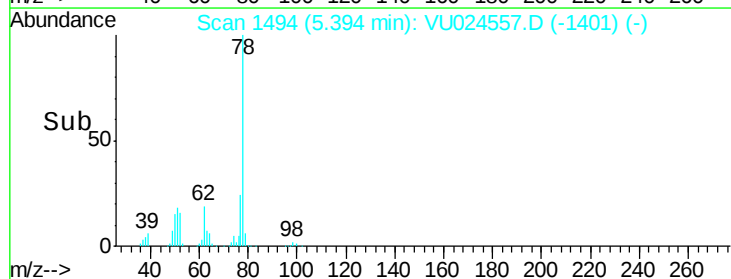
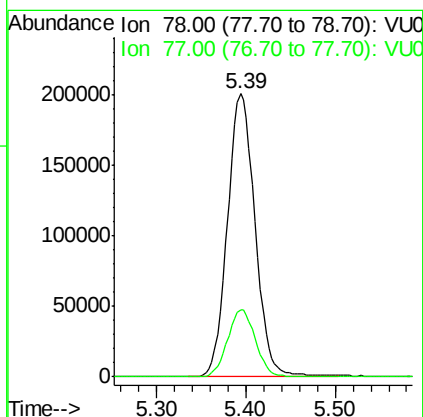
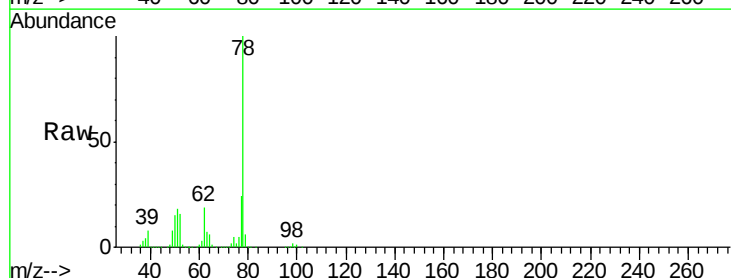
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 174191
Ion Ratio Lower Upper
83 100
55 77.7 65.8 98.6
98 46.7 36.7 55.1



#40
Benzene
Concen: 47.397 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion: 78 Resp: 431507
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8

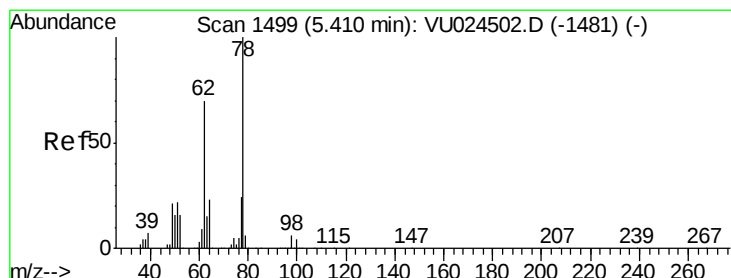
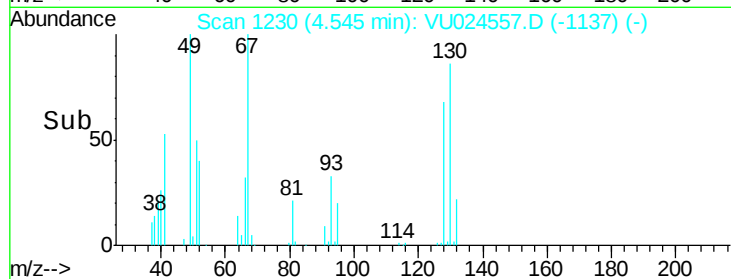
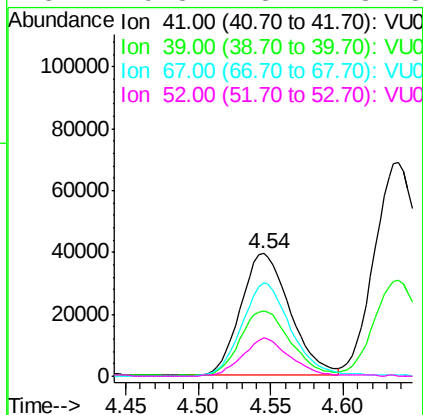
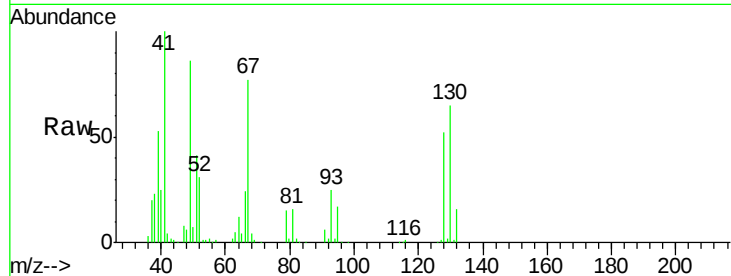




#41
Methacrylonitrile
Concen: 49.937 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

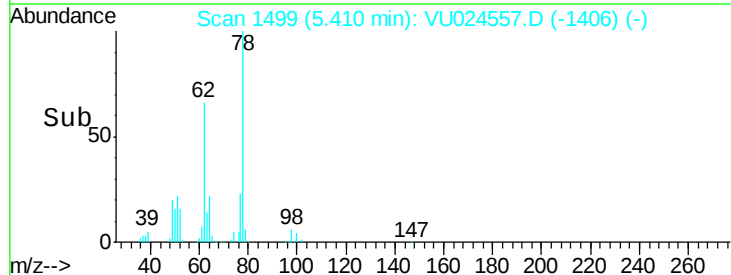
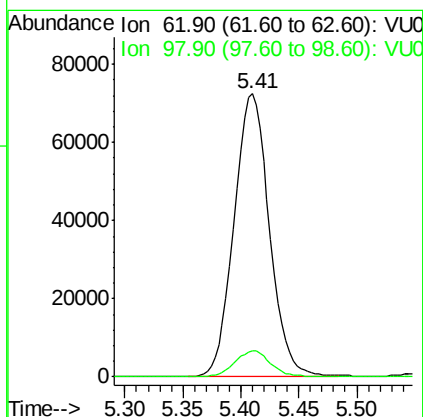
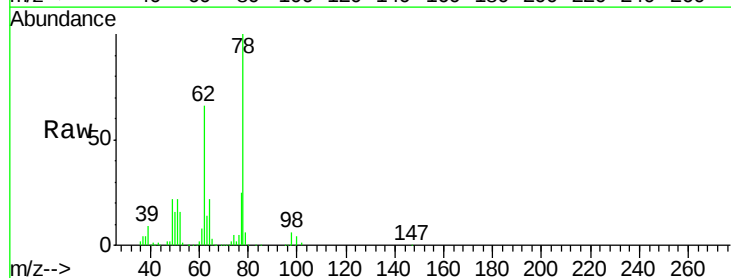
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	41	Resp:	93761
Ion	Ratio	Lower	Upper
41	100		
39	54.4	43.8	65.6
67	74.9	56.3	84.5
52	29.3	23.2	34.8



#42
1,2-Dichloroethane
Concen: 44.279 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion:	62	Resp:	153535
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 46.687 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

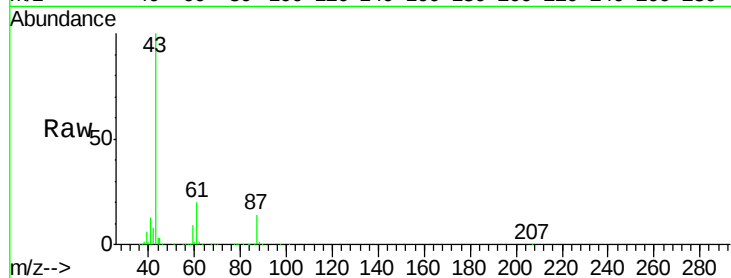
Tot Ion: 43 Resp: 281032

Ion Ratio Lower Upper

43 100

61 19.9 15.4 23.0

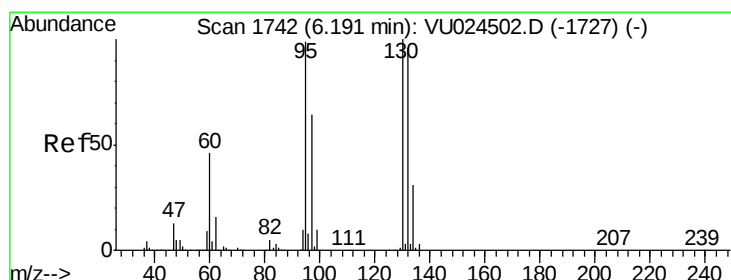
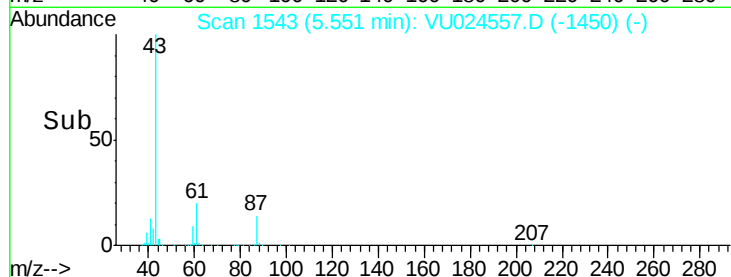
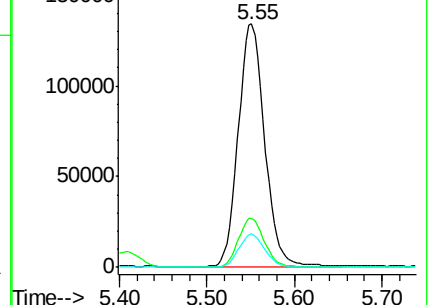
87 13.5 10.0 15.0



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) (-)



#44

Trichloroethene

Concen: 45.523 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024557.D

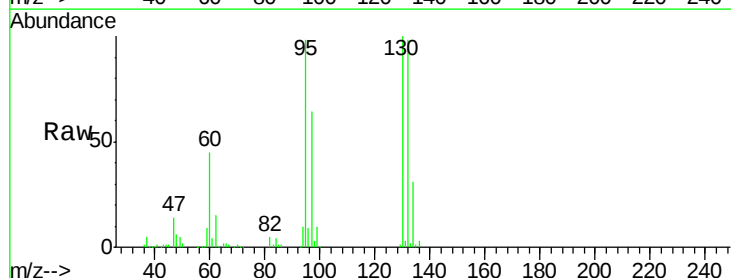
Acq: 14 Jun 2018 22:17

Tgt Ion: 130 Resp: 117951

Ion Ratio Lower Upper

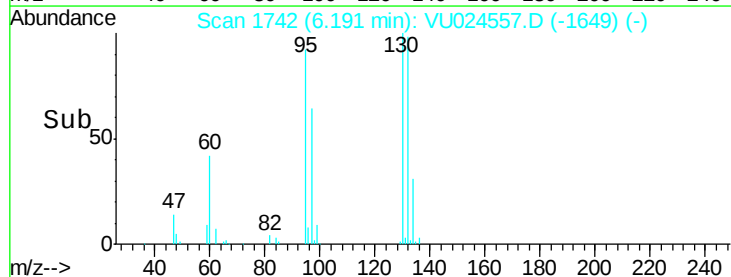
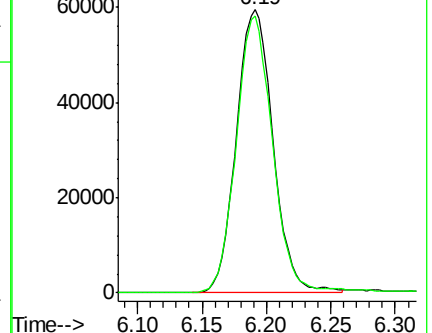
130 100

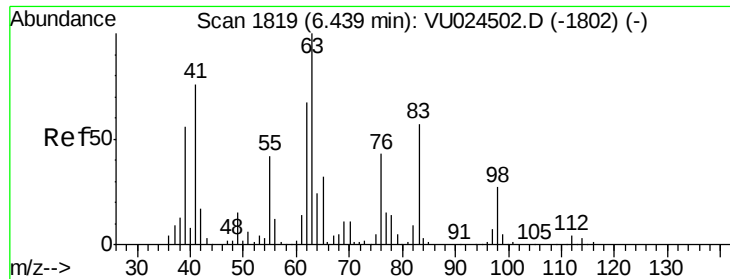
95 97.6 0.0 202.4



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

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

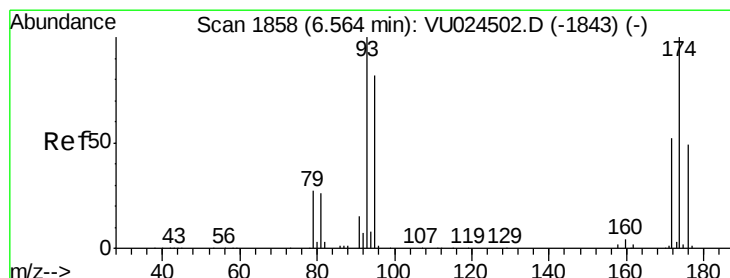
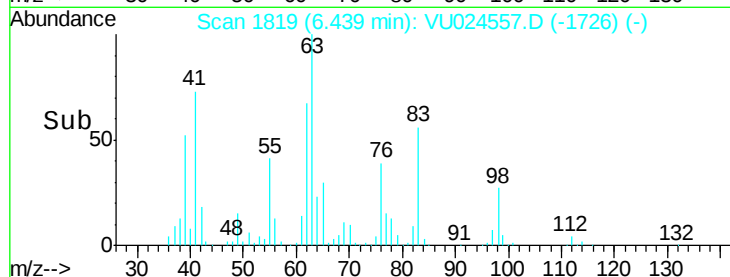
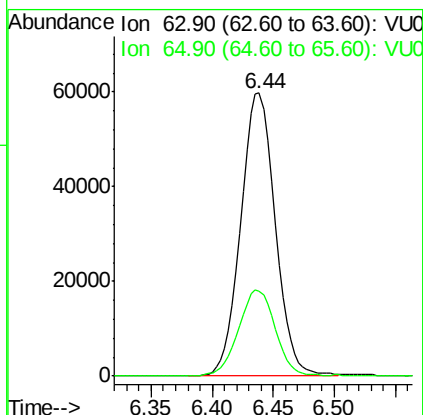
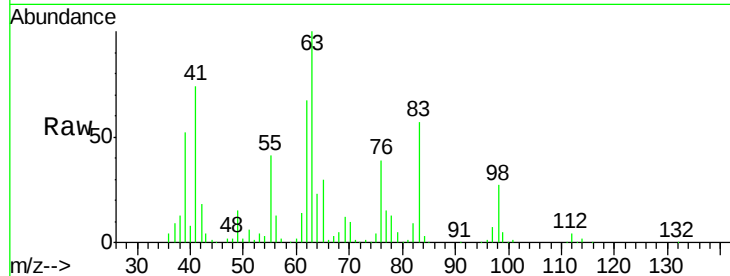




#45
 1,2-Dichloropropane
 Concen: 48.153 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

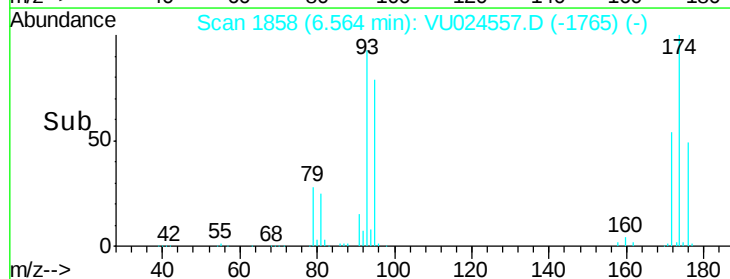
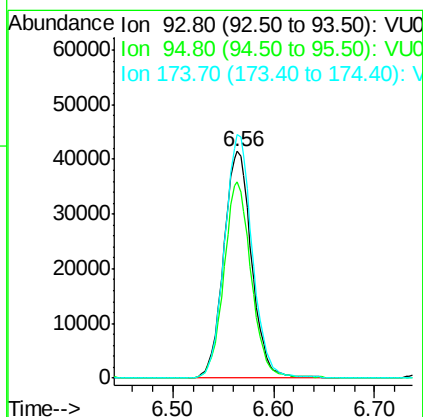
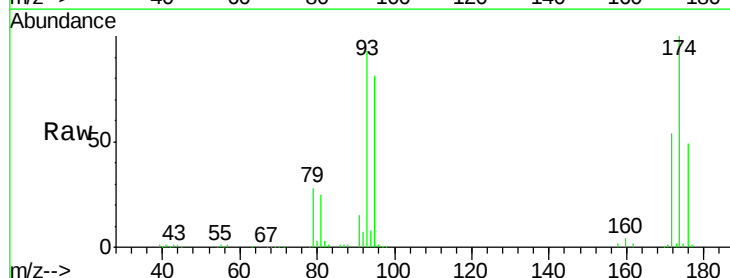
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 116974
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.8 37.2



#46
 Dibromomethane
 Concen: 47.179 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion: 93 Resp: 80501
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.5 98.3
 174 105.9 78.7 118.1





#47

Bromodichloromethane

Concen: 46.123 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampled :

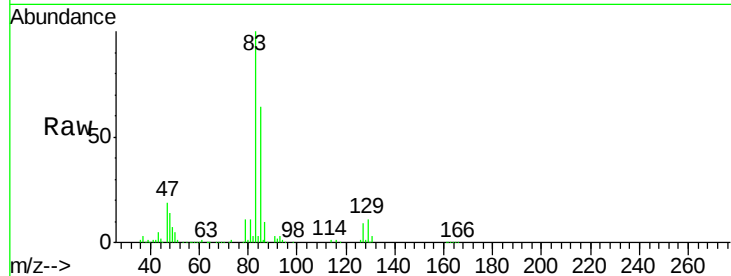
Tot Ion: 83 Resp: 156713

Ion Ratio Lower Upper

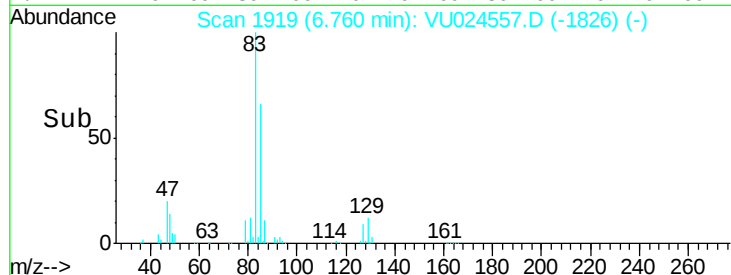
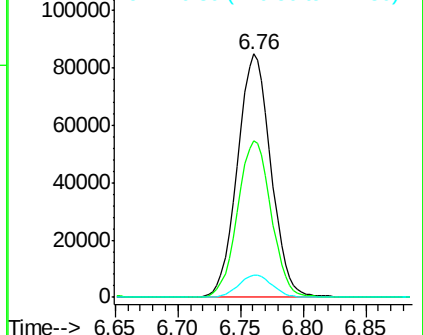
83 100

85 64.1 51.9 77.9

127 9.1 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: 46.216 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

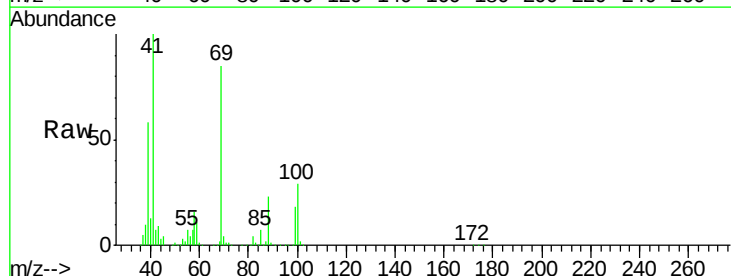
Tgt Ion: 41 Resp: 135465

Ion Ratio Lower Upper

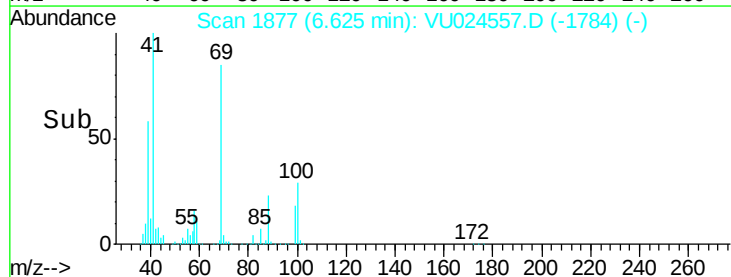
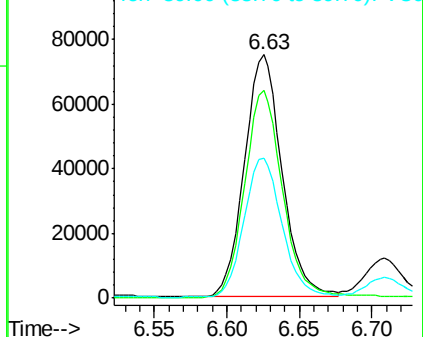
41 100

69 87.2 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

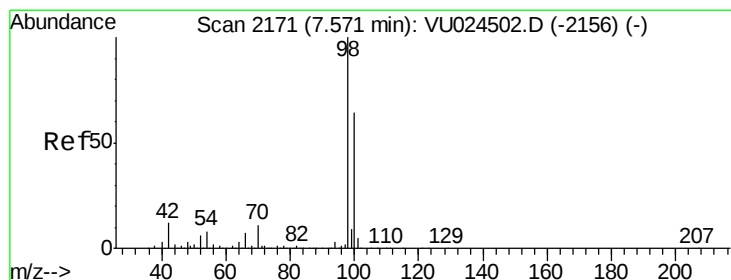
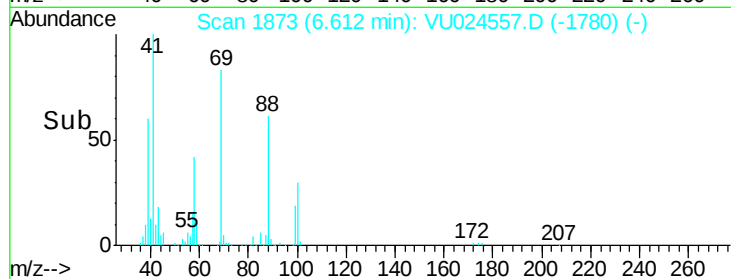
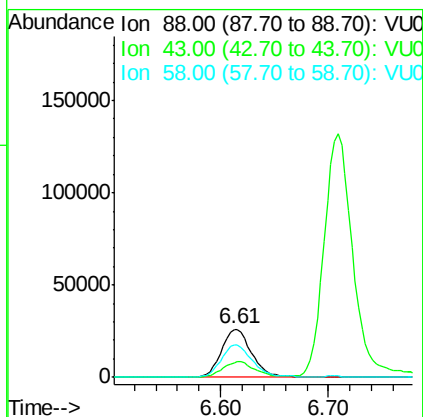
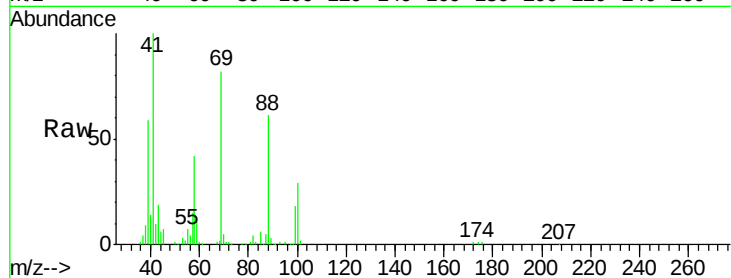




#49
 1,4-Dioxane
 Concen: 877.839 ug/l
 RT: 6.61 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

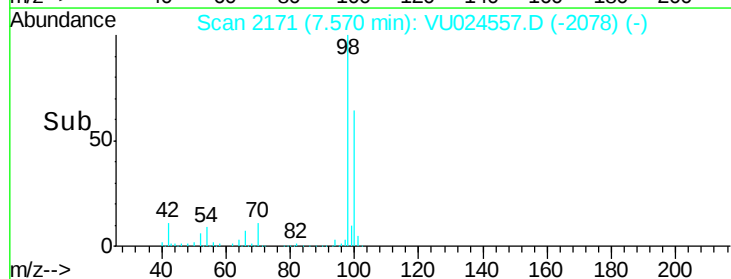
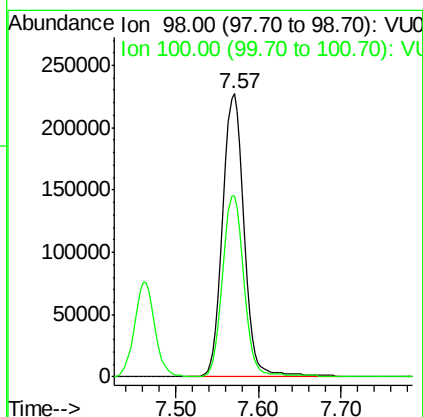
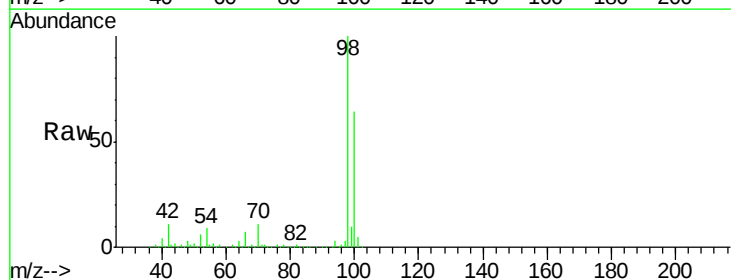
Instrument :
 MSVOA_U
 ClientSampleId :

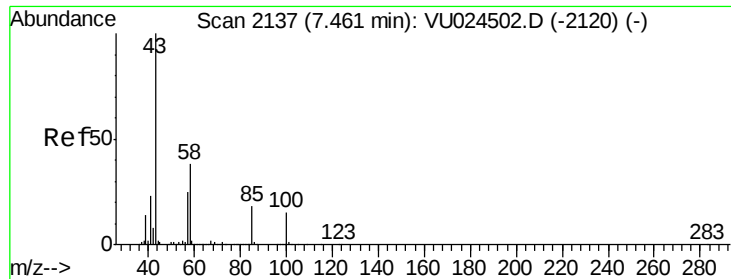
Tot Ion: 88 Resp: 50319
 Ion Ratio Lower Upper
 88 100
 43 32.1 28.6 42.8
 58 70.9 58.2 87.4



#50
 Toluene-d8
 Concen: 49.717 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion: 98 Resp: 409225
 Ion Ratio Lower Upper
 98 100
 100 62.6 51.1 76.7

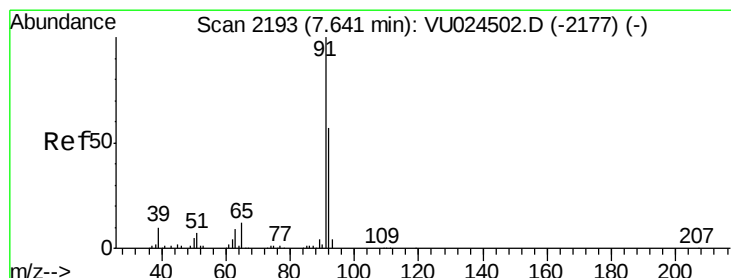
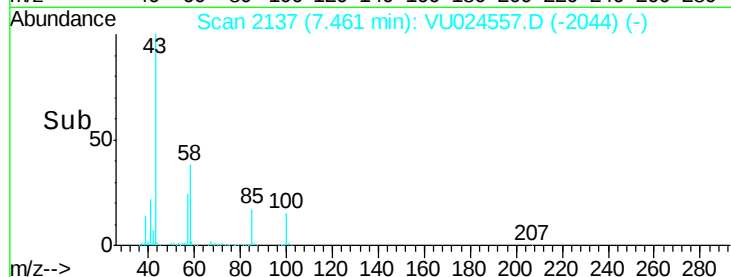
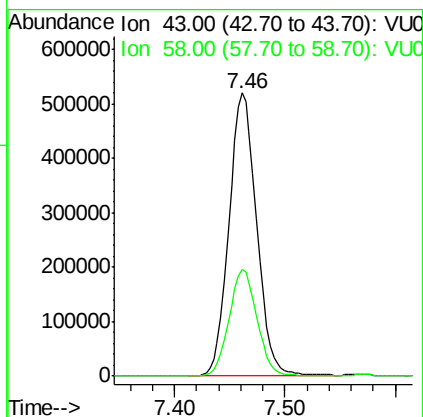
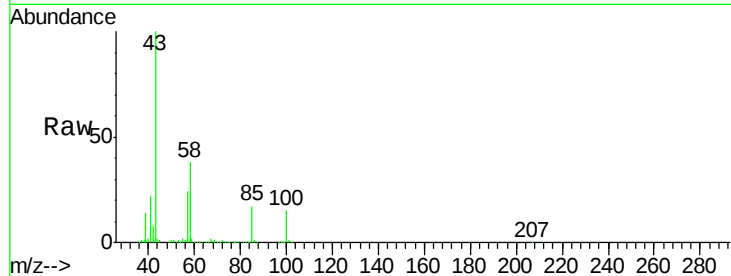




#51
 4-Methyl-2-Pentanone
 Concen: 239.343 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

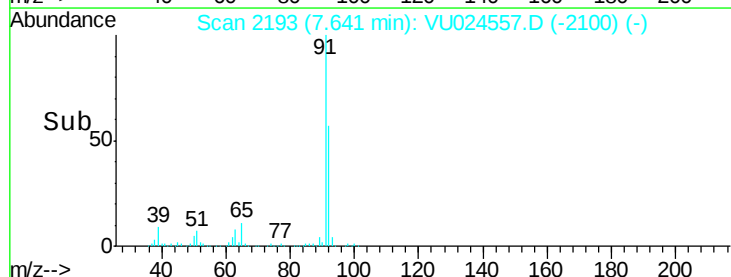
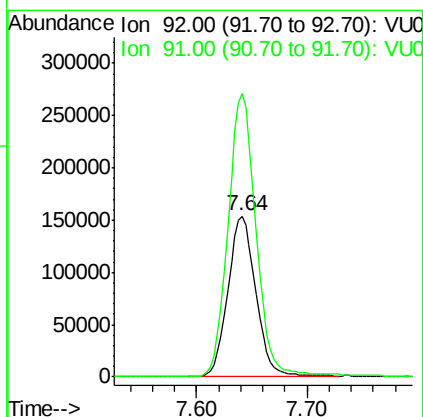
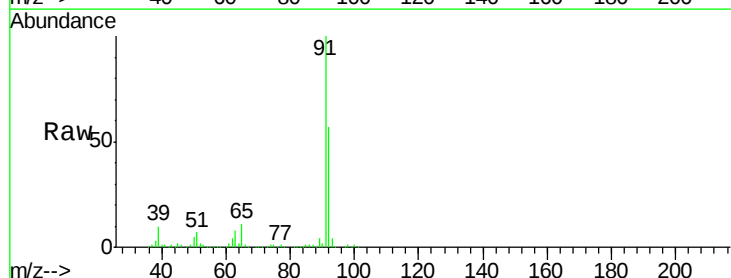
Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 43 Resp: 905129
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.0 45.0



#52
 Toluene
 Concen: 46.464 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion: 92 Resp: 272153
 Ion Ratio Lower Upper
 92 100
 91 175.0 140.5 210.7

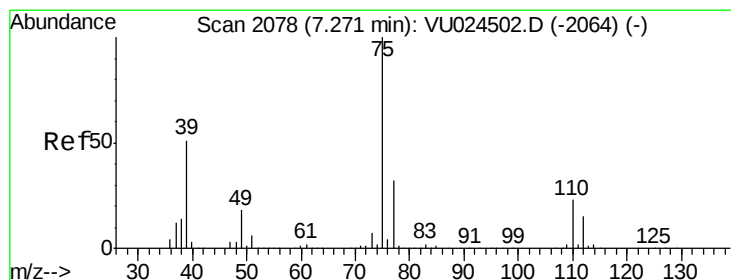
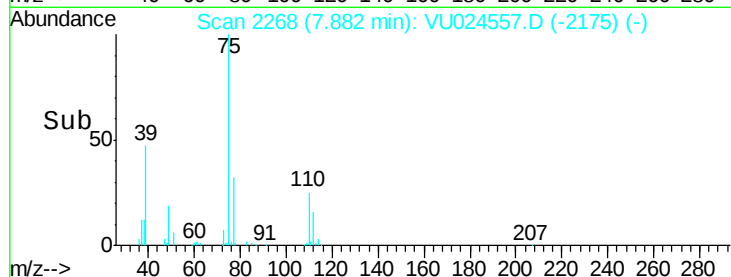
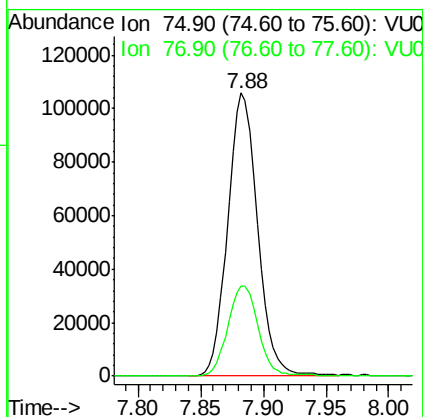
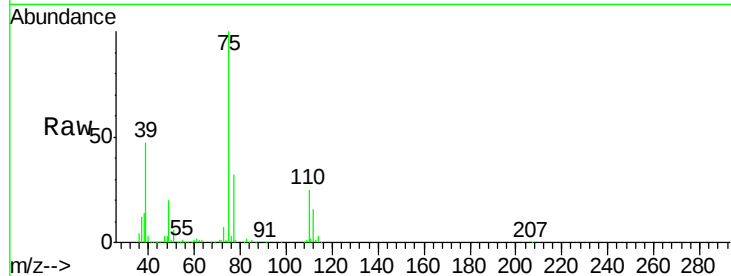




#53
t-1,3-Dichloropropene
Concen: 45.959 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

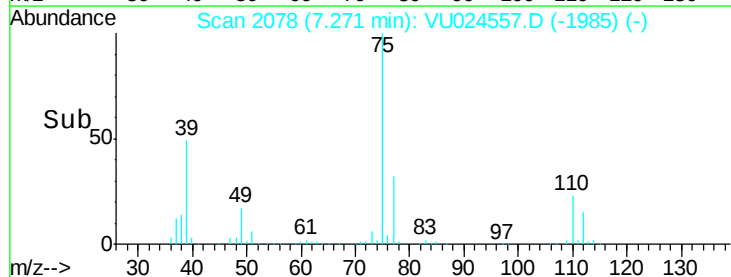
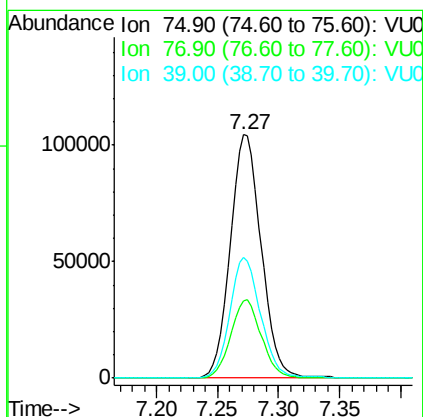
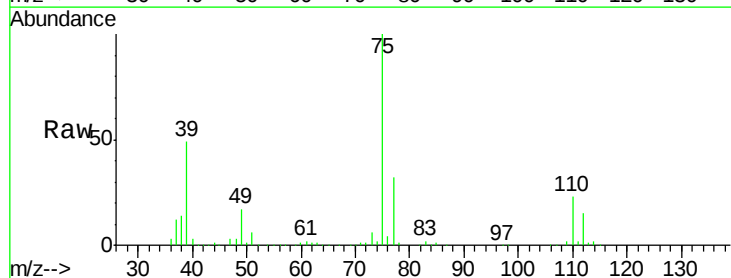
Instrument :
MSVOA_U
ClientSampled :

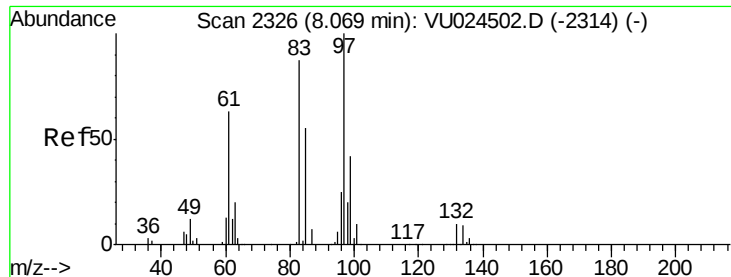
Tot Ion: 75 Resp: 175364
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 45.387 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion: 75 Resp: 184537
Ion Ratio Lower Upper
75 100
77 31.7 24.6 36.8
39 49.2 39.8 59.6

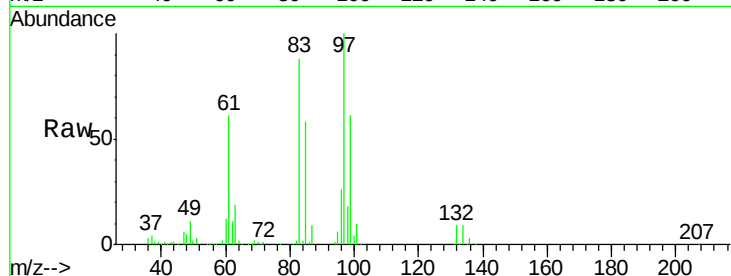




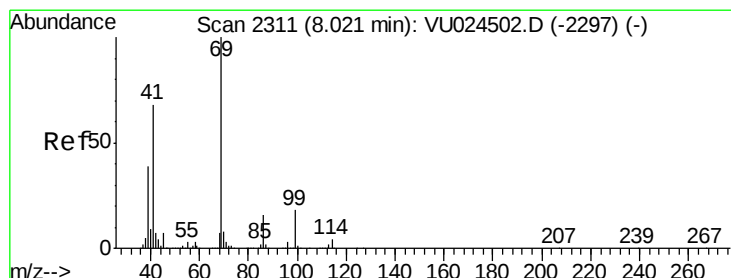
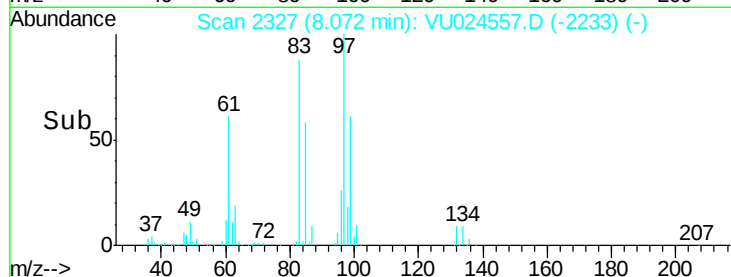
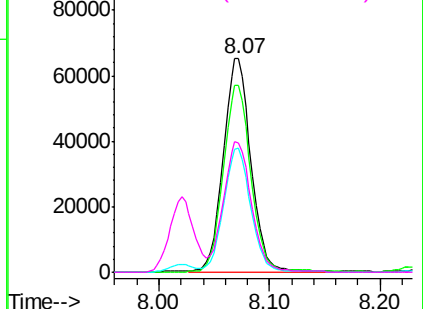
#55
 1,1,2-Trichloroethane
 Concen: 47.103 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	112149
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.5	105.7
85	57.8	46.4	69.6
99	60.8	50.2	75.2

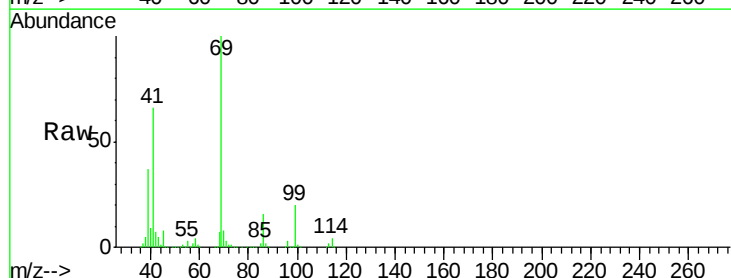


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

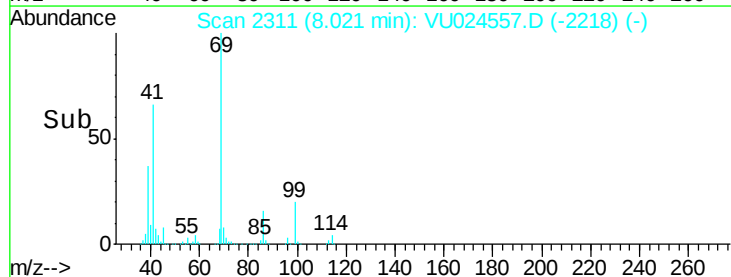
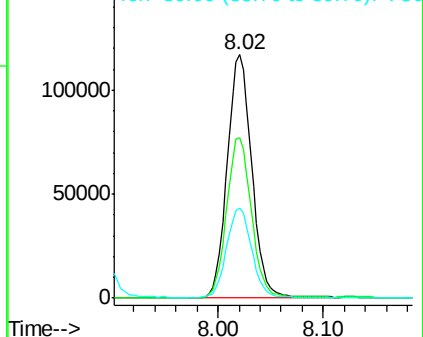


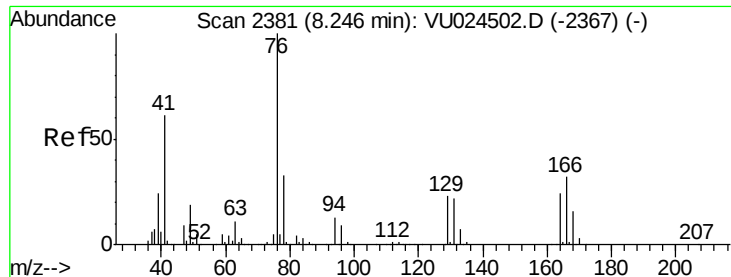
#56
 Ethyl methacrylate
 Concen: 47.247 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion:	69	Resp:	188281
Ion	Ratio	Lower	Upper
69	100		
41	66.1	54.1	81.1
39	37.1	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

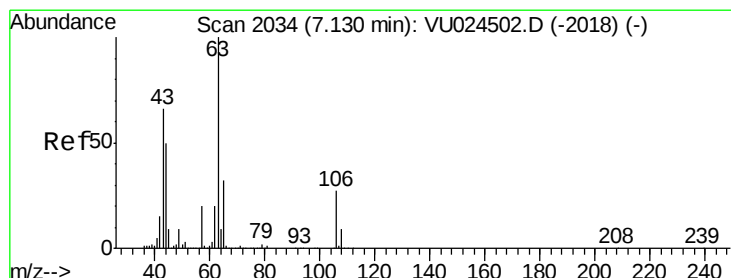
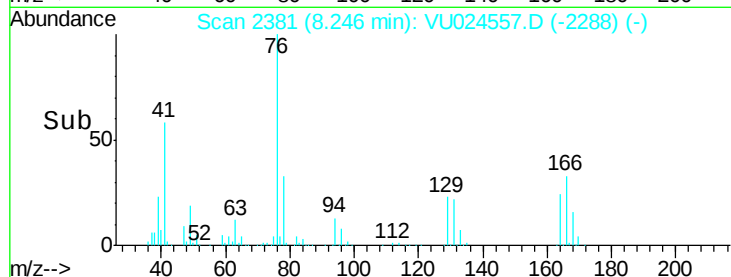
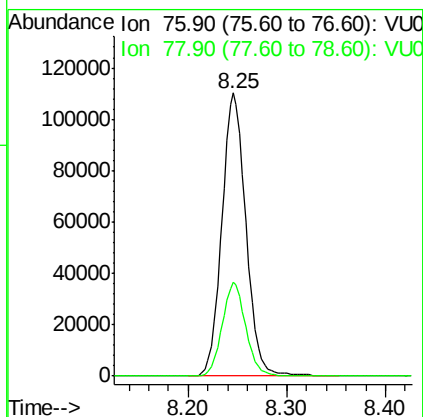
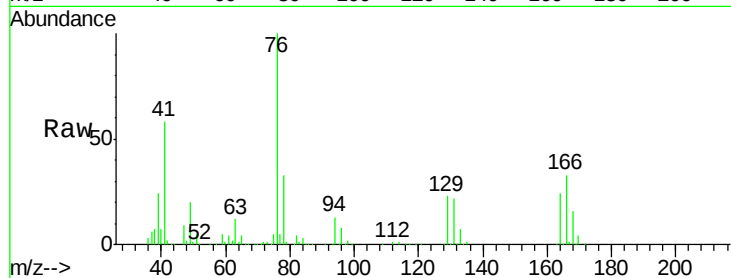




#57
 1,3-Dichloropropane
 Concen: 47.031 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

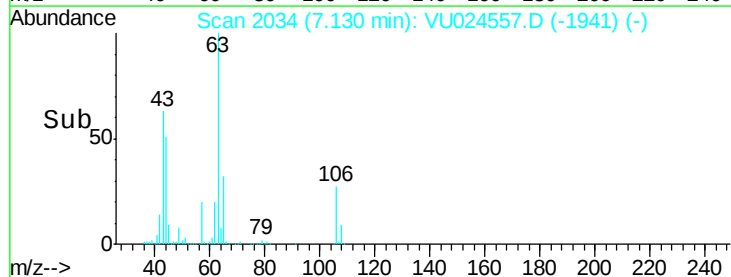
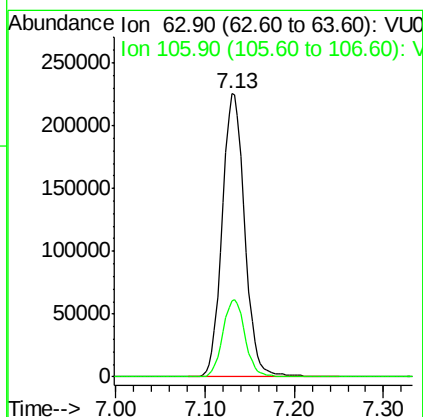
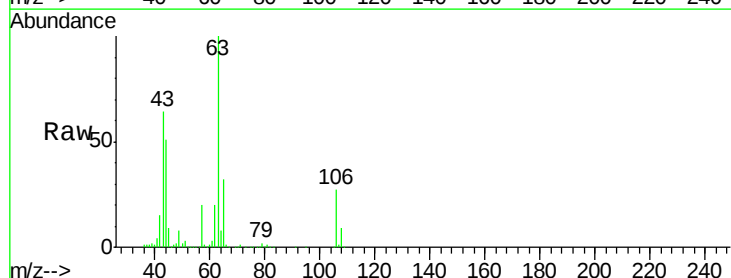
Instrument :
 MSVOA_U
 ClientSampled :

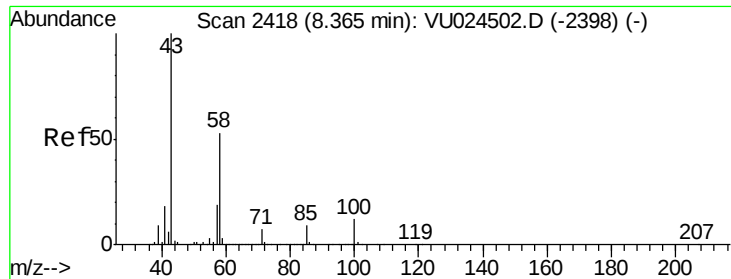
Tot Ion: 76 Resp: 188895
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.540 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion: 63 Resp: 394710
 Ion Ratio Lower Upper
 63 100
 106 27.1 20.2 30.2

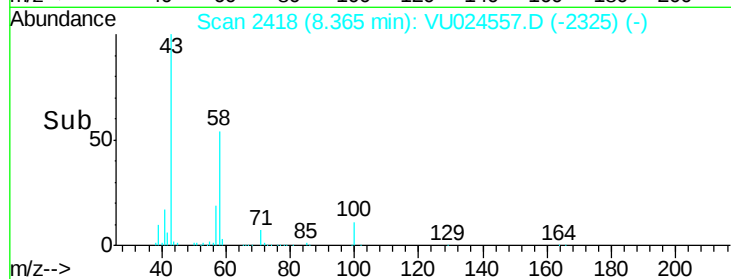
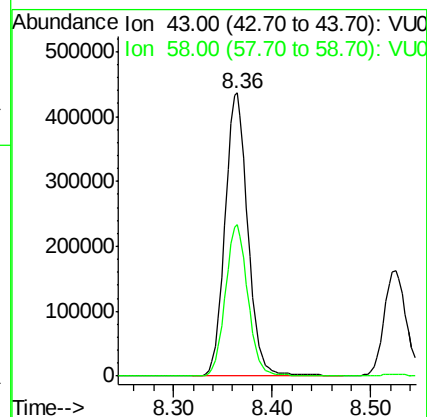
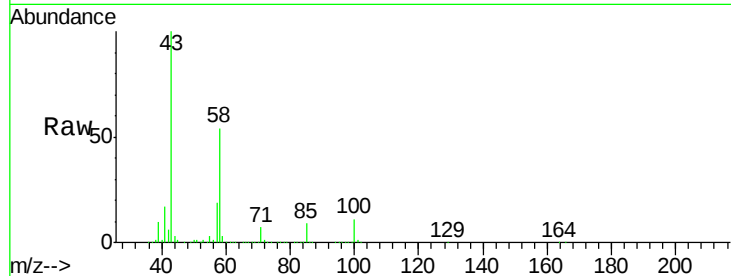




#59
2-Hexanone
Concen: 229.289 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

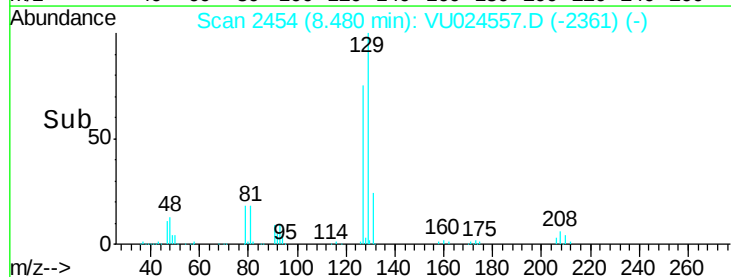
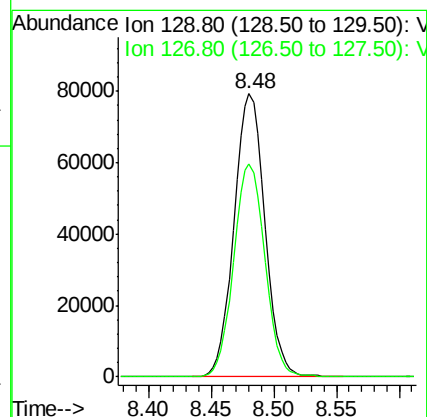
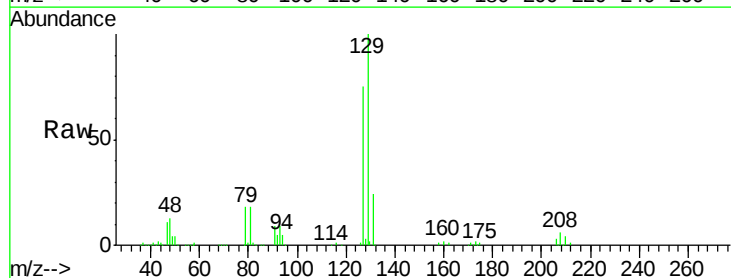
Instrument :
MSVOA_U
ClientSampleId :

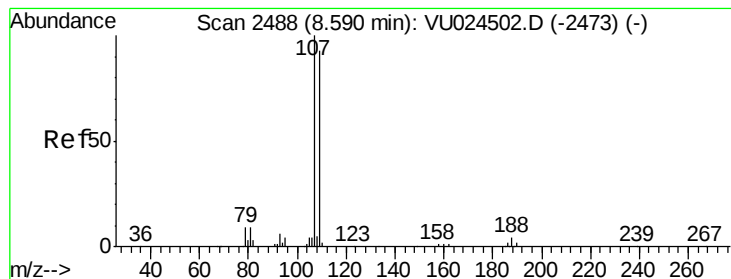
Tot Ion: 43 Resp: 707909
Ion Ratio Lower Upper
43 100
58 53.3 26.4 79.0



#60
Dibromochloromethane
Concen: 45.680 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion: 129 Resp: 135624
Ion Ratio Lower Upper
129 100
127 76.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 47.261 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

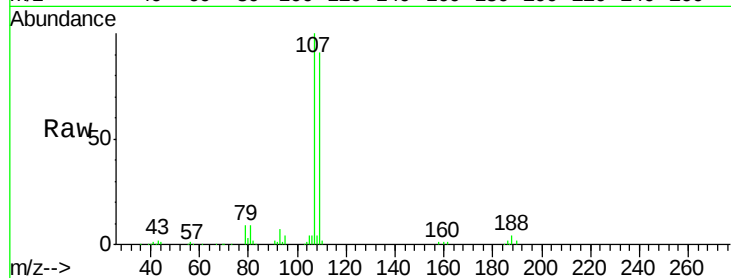
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 125244

Ion Ratio Lower Upper

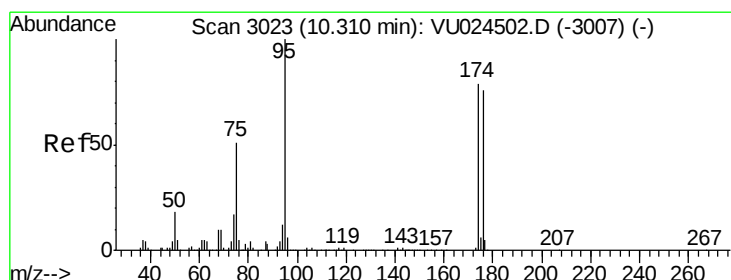
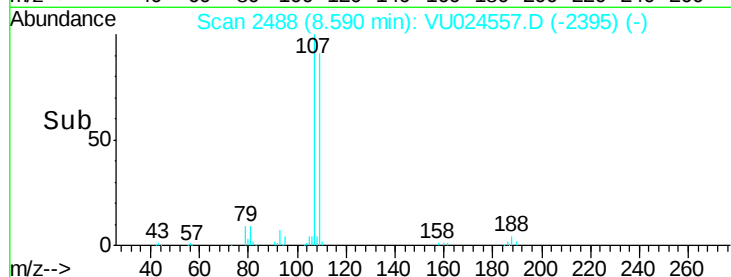
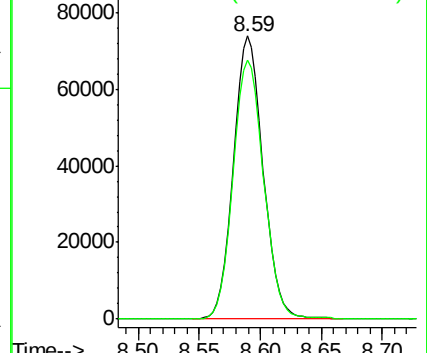
107 100

109 94.8 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: 49.230 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

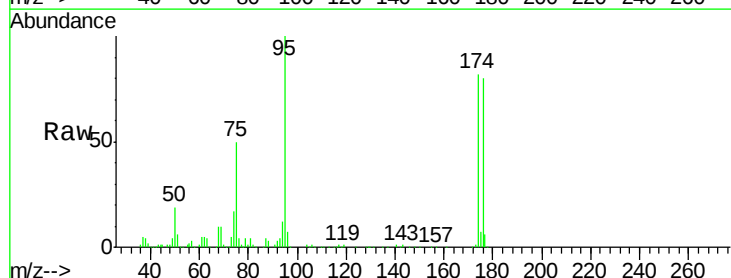
Tgt Ion: 95 Resp: 160888

Ion Ratio Lower Upper

95 100

174 83.8 0.0 165.8

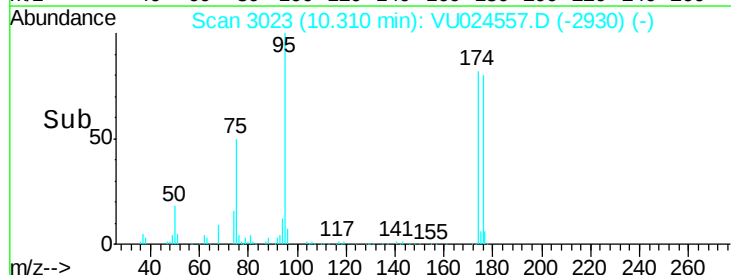
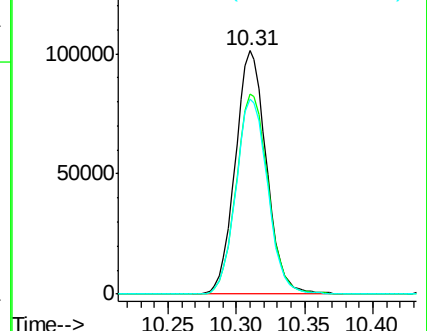
176 81.3 0.0 159.4

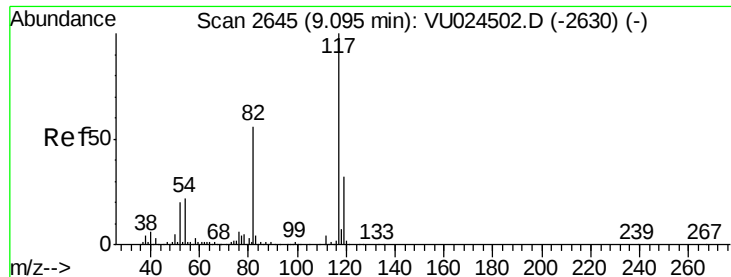


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

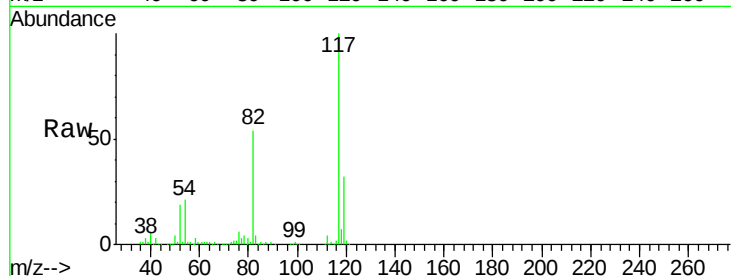




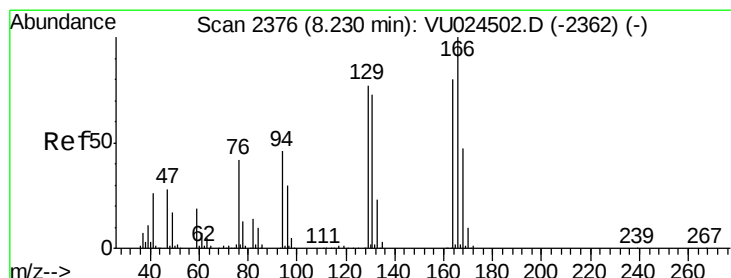
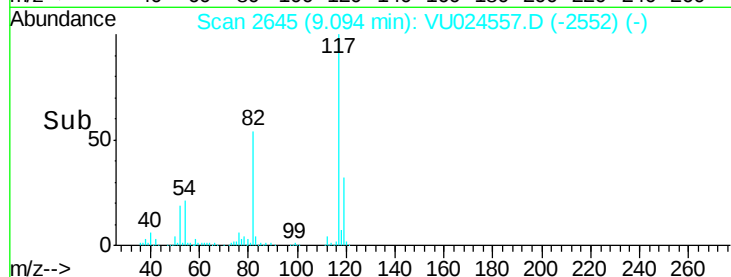
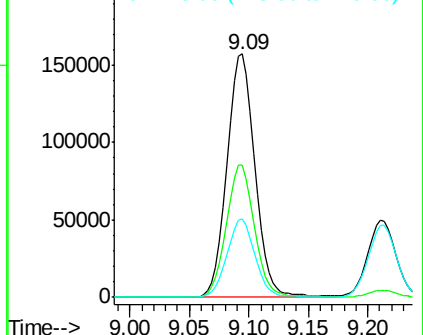
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 257751
Ion Ratio Lower Upper
117 100
82 54.0 44.3 66.5
119 32.4 25.4 38.2



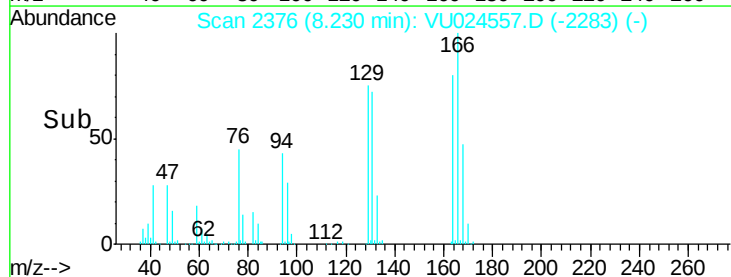
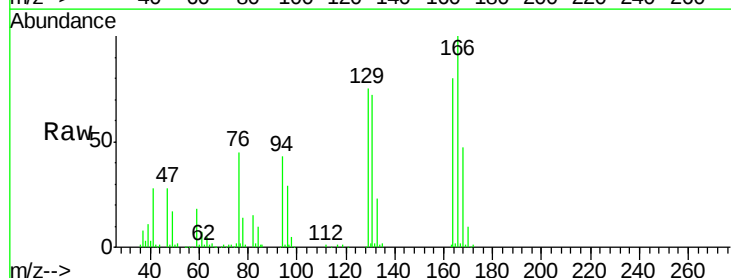
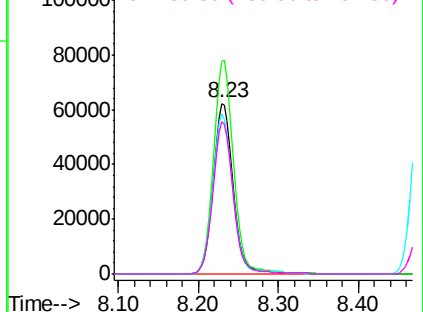
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 44.418 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion:164 Resp: 108826
Ion Ratio Lower Upper
164 100
166 124.4 101.7 152.5
129 93.7 76.9 115.3
131 89.5 74.9 112.3

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 47.845 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

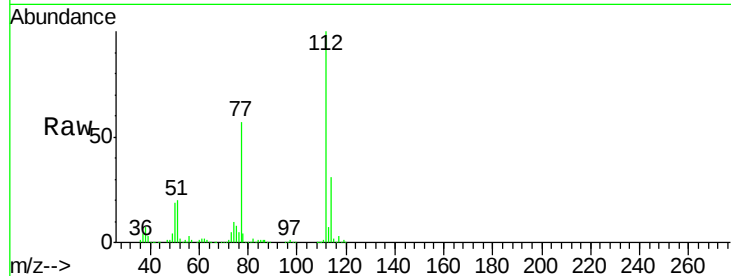
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:112 Resp: 315040

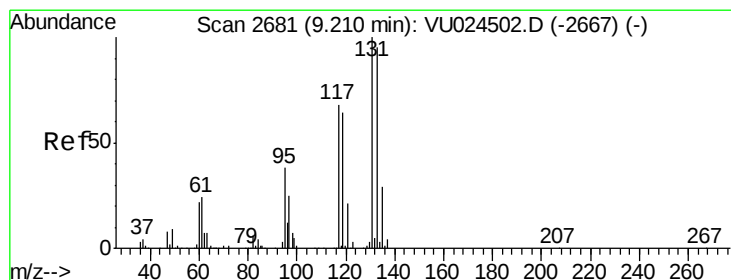
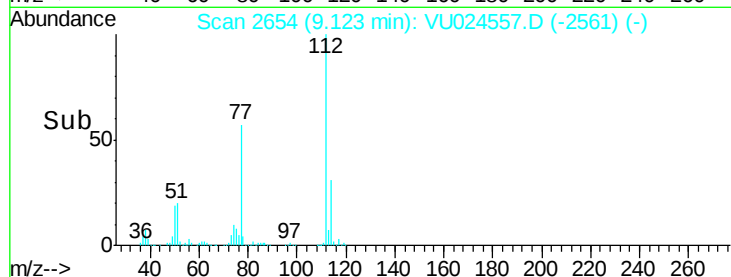
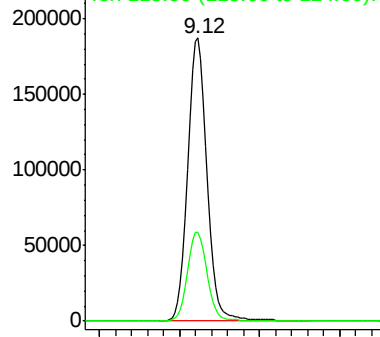
Ion Ratio Lower Upper

112 100

114 31.3 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.585 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

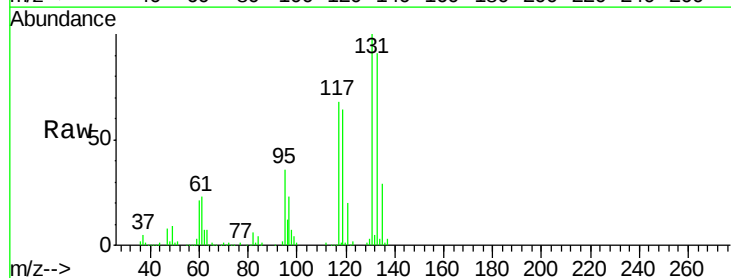
Tgt Ion:131 Resp: 119040

Ion Ratio Lower Upper

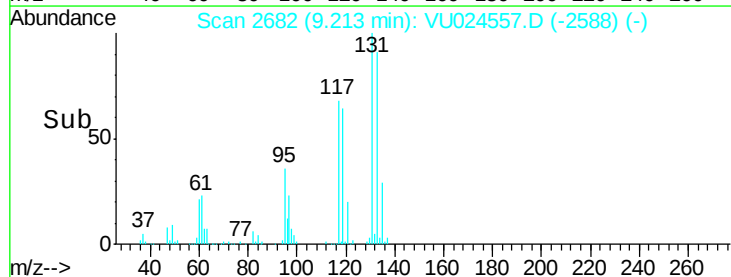
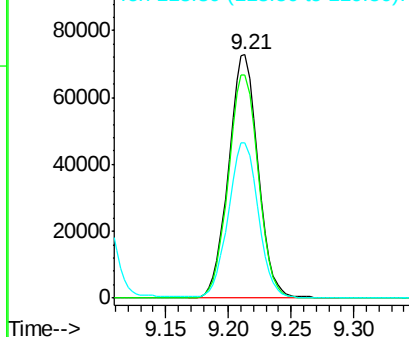
131 100

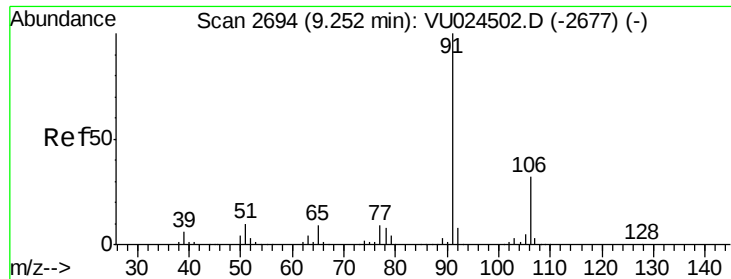
133 93.1 46.9 140.8

119 65.3 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

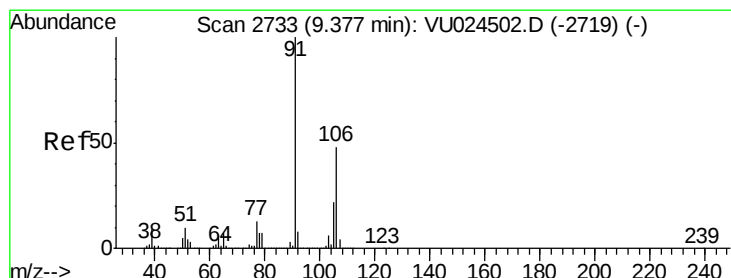
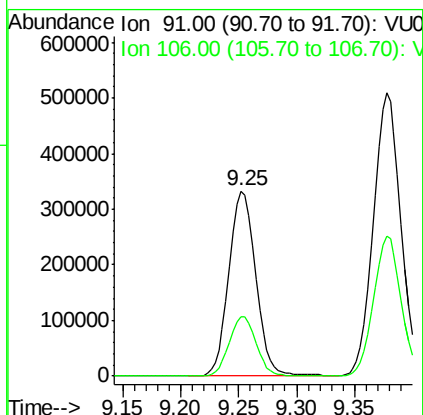
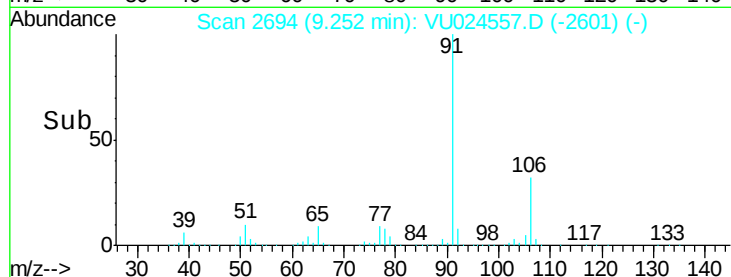
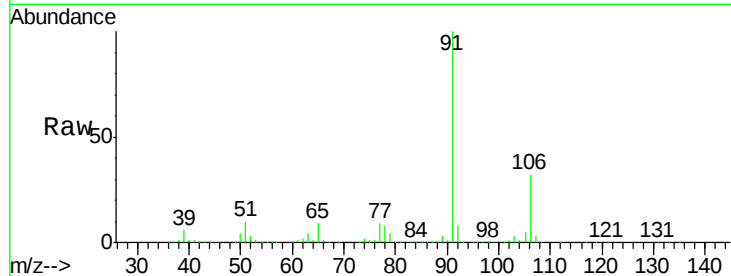




#67
Ethyl Benzene
Concen: 46.415 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

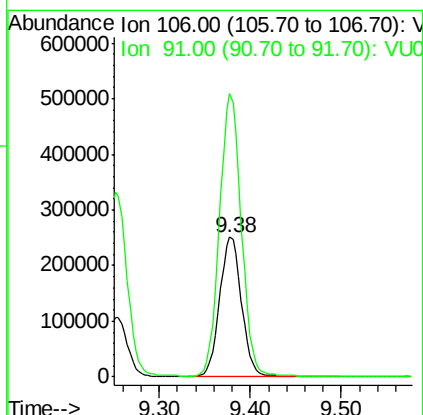
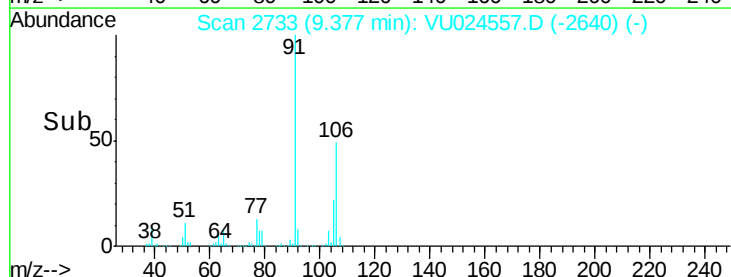
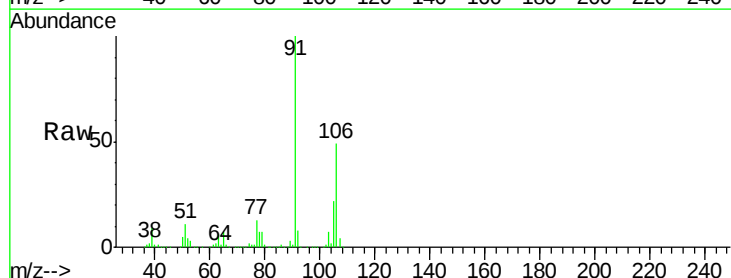
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 535781
Ion Ratio Lower Upper
91 100
106 32.0 24.2 36.4



#68
m/p-Xylenes
Concen: 95.042 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion: 106 Resp: 421285
Ion Ratio Lower Upper
106 100
91 202.0 166.5 249.7

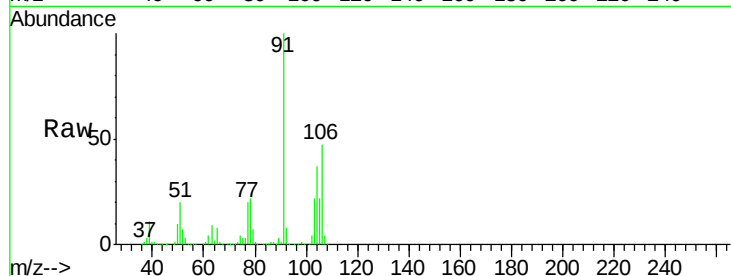




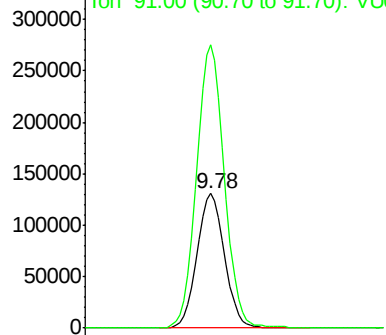
#69
o-Xylene
Concen: 47.294 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :

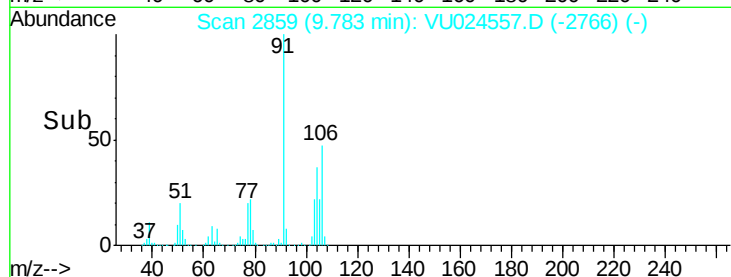
Tot Ion:106 Resp: 207471
Ion Ratio Lower Upper
106 100
91 211.6 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

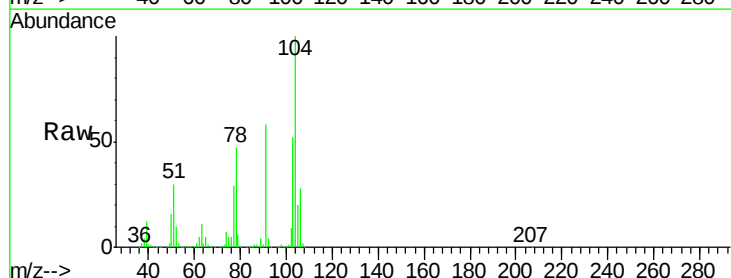


Time--> 9.70 9.75 9.80 9.85 9.90

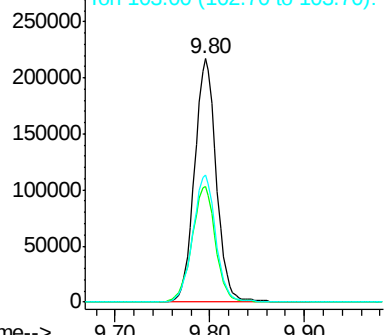


#70
Styrene
Concen: 48.155 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

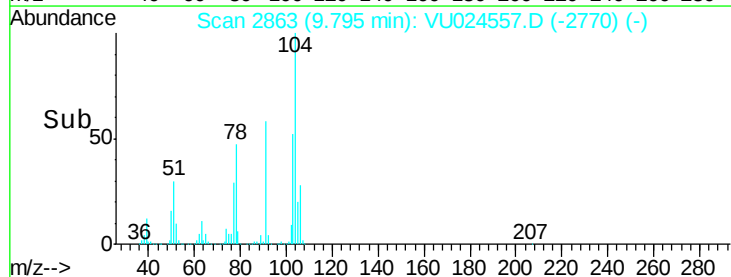
Tgt Ion:104 Resp: 347153
Ion Ratio Lower Upper
104 100
78 51.3 40.6 60.8
103 55.2 44.7 67.1

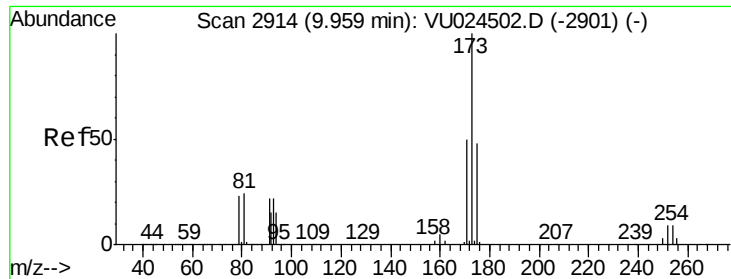


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time--> 9.70 9.80 9.90

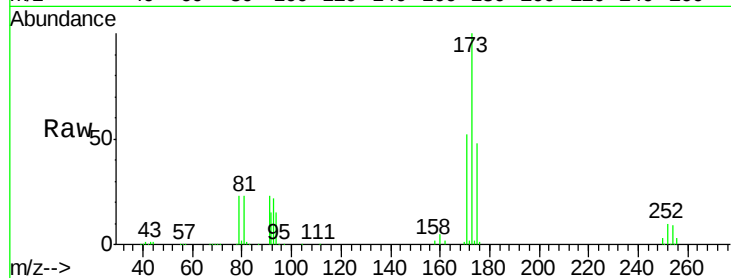




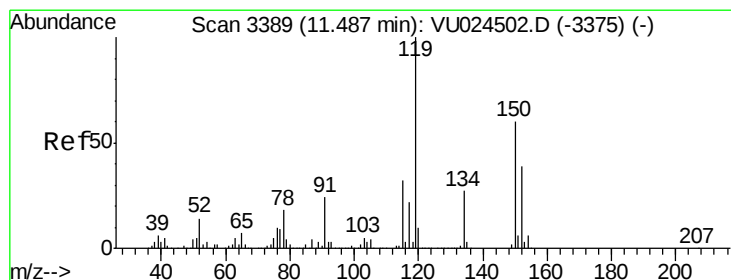
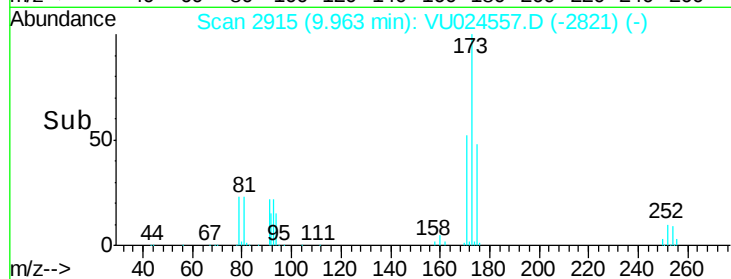
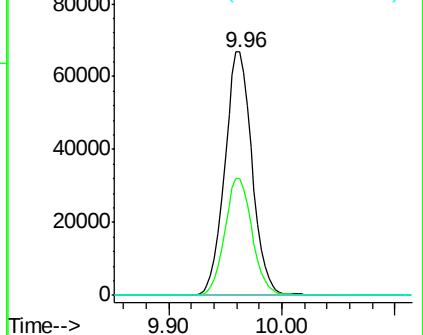
#71
Bromoform
Concen: 47.064 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:173 Resp: 111908
Ion Ratio Lower Upper
173 100
175 48.5 24.6 74.0
254 0.0 0.0 0.0#

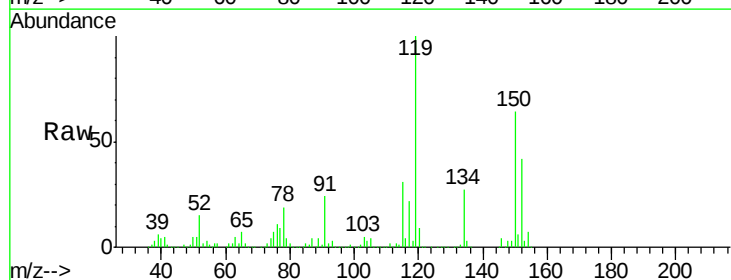


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

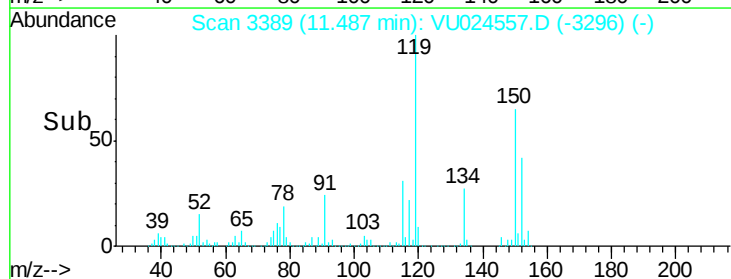
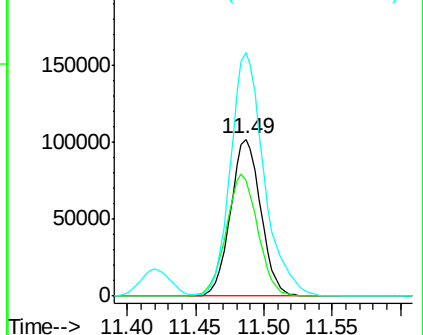


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion:152 Resp: 156411
Ion Ratio Lower Upper
152 100
115 81.7 43.0 129.0
150 173.2 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: 45.782 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

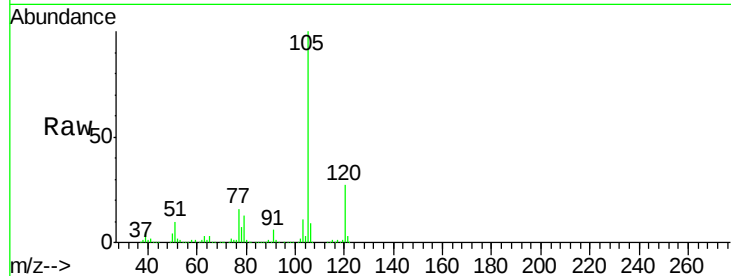
ClientSampleId :

Tot Ion: 105 Resp: 549779

Ion Ratio Lower Upper

105 100

120 27.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

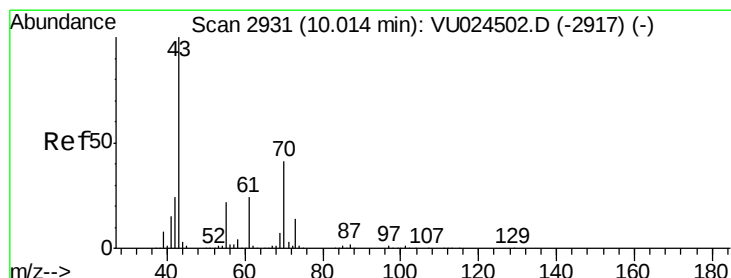
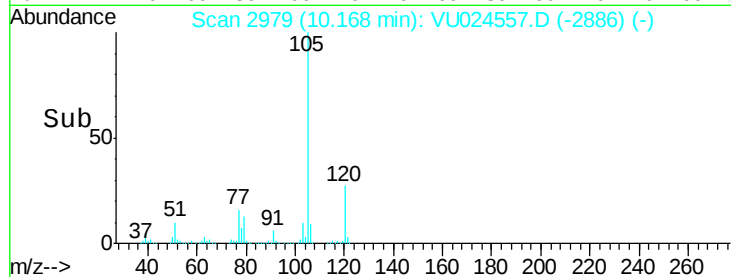
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 47.075 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Tgt Ion: 43 Resp: 268886

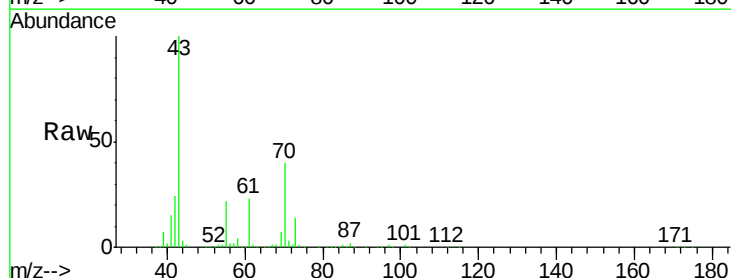
Ion Ratio Lower Upper

43 100

70 40.4 32.2 48.4

55 22.2 20.5 30.7

61 23.9 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

10.01

250000

200000

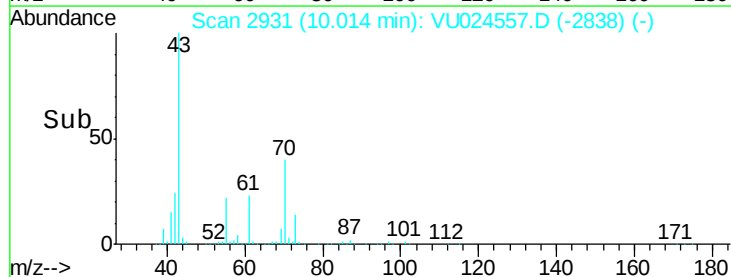
150000

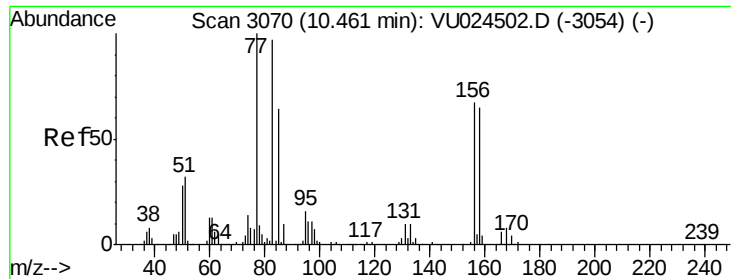
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.929 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

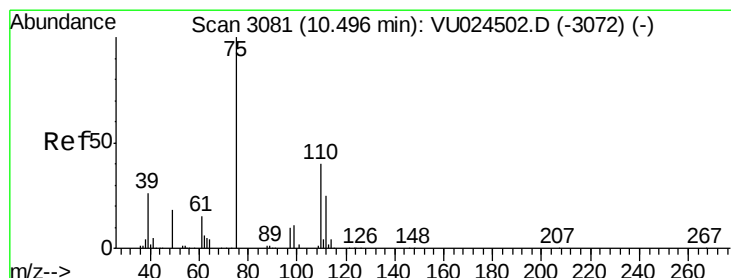
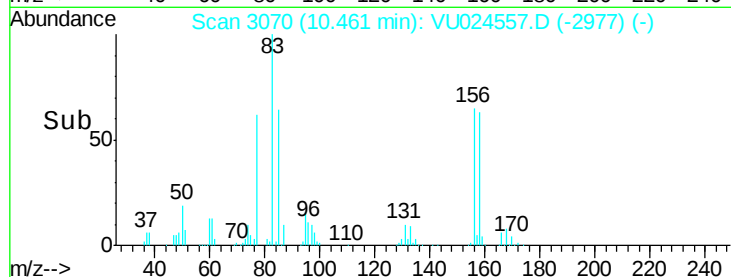
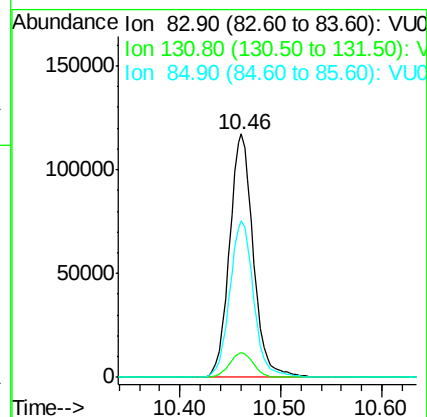
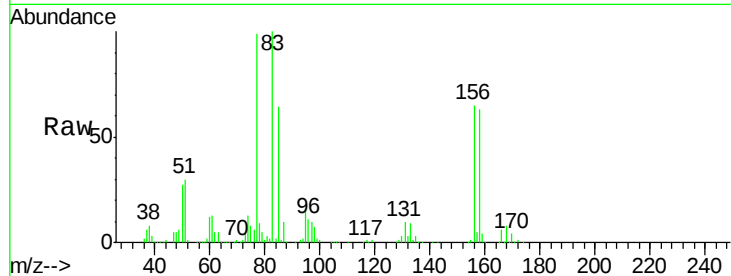
Tot Ion: 83 Resp: 192870

Ion Ratio Lower Upper

83 100

131 10.2 4.7 14.1

85 65.0 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 64.759 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024557.D

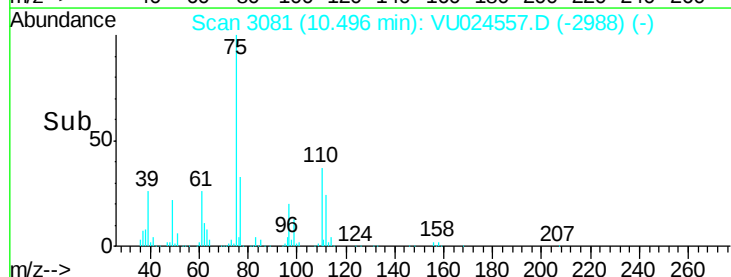
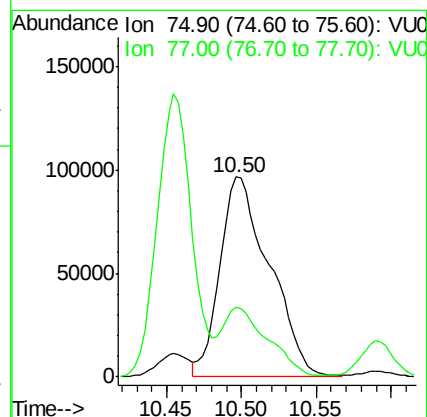
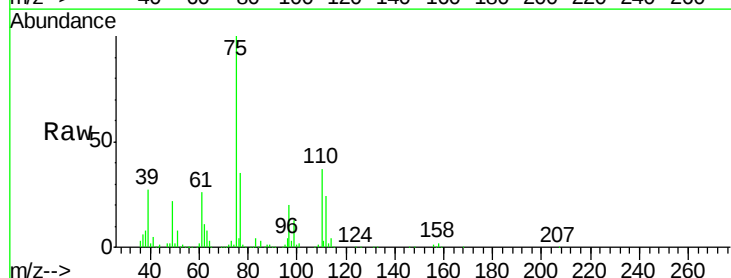
Acq: 14 Jun 2018 22:17

Tgt Ion: 75 Resp: 223005

Ion Ratio Lower Upper

75 100

77 31.0 20.9 62.7





#77

Bromobenzene

Concen: 46.412 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampled :

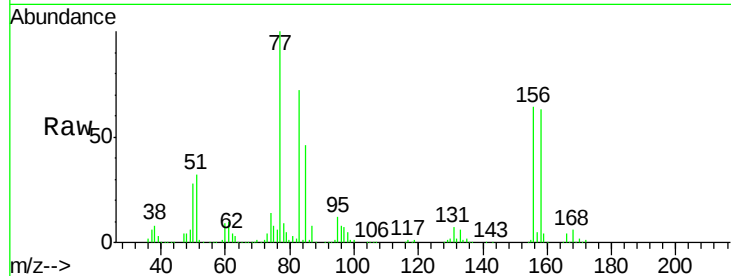
Tot Ion:156 Resp: 141100

Ion Ratio Lower Upper

156 100

77 154.9 80.5 241.3

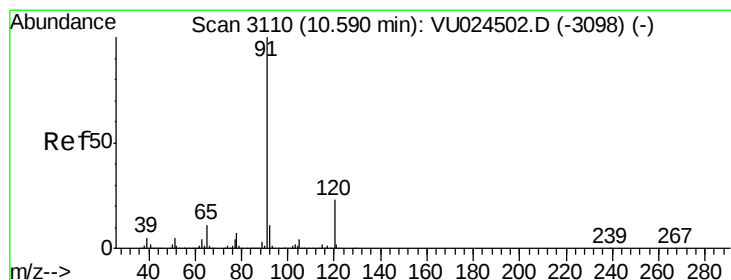
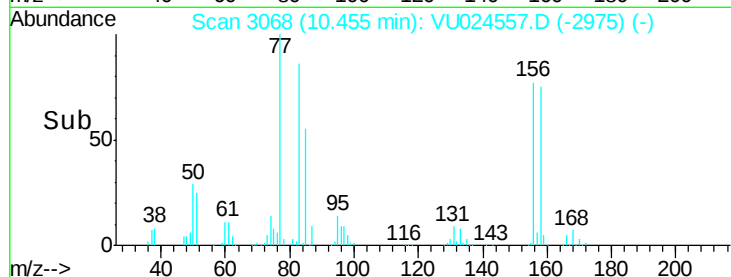
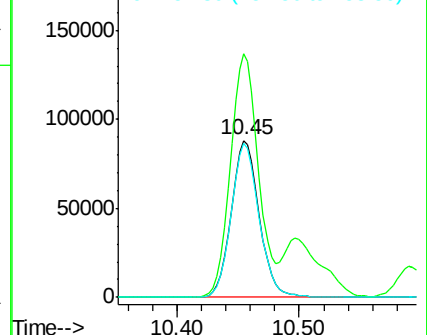
158 98.0 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.035 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024557.D

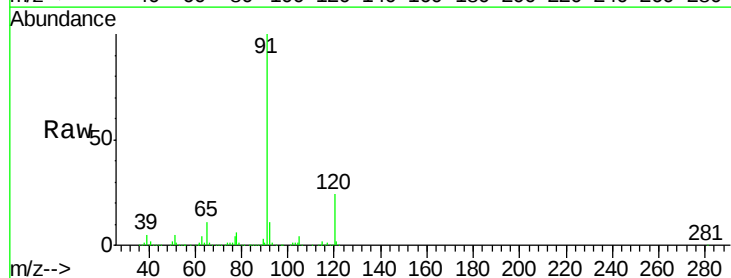
Acq: 14 Jun 2018 22:17

Tgt Ion: 91 Resp: 651215

Ion Ratio Lower Upper

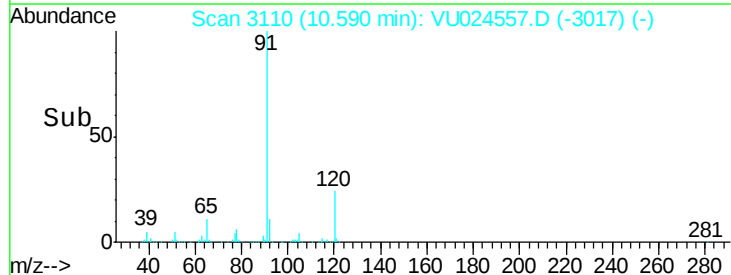
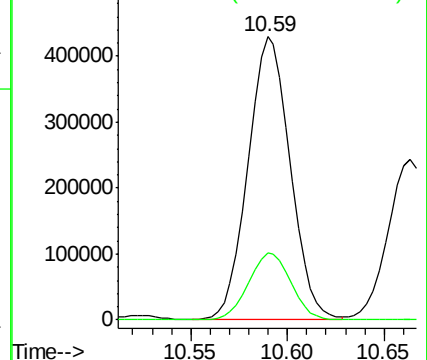
91 100

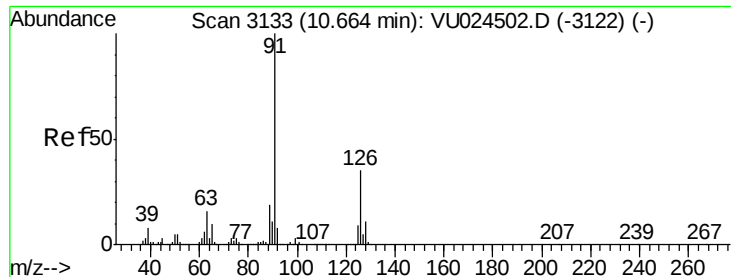
120 23.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.031 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

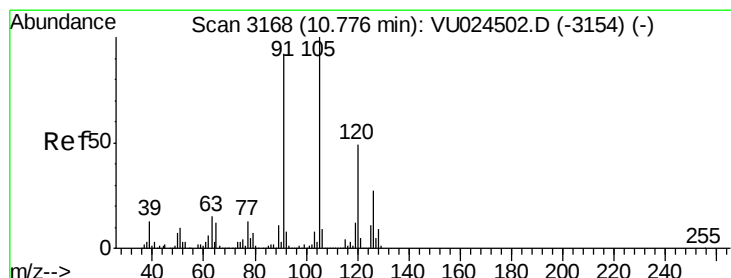
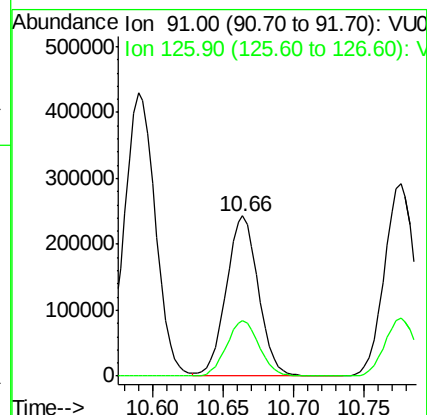
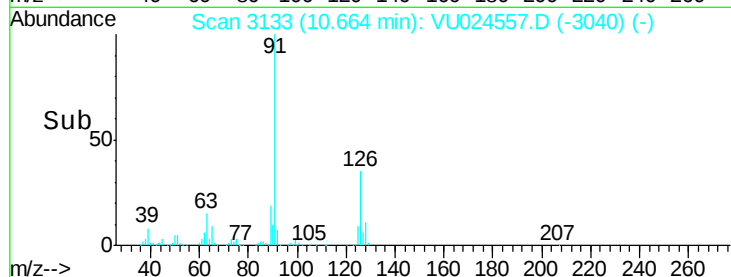
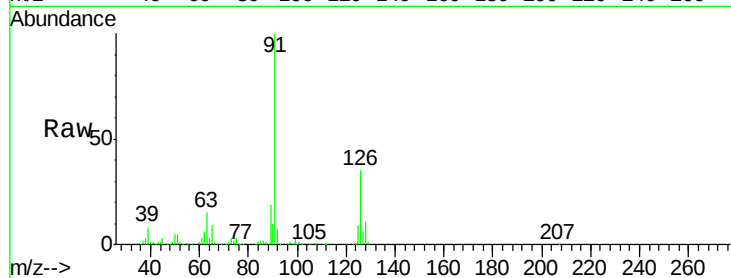
ClientSampleId :

Tot Ion: 91 Resp: 383992

Ion Ratio Lower Upper

91 100

126 35.2 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 45.542 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024557.D

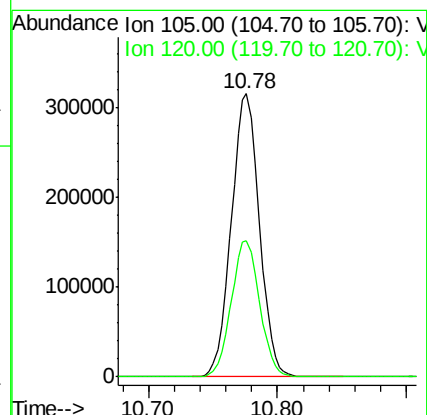
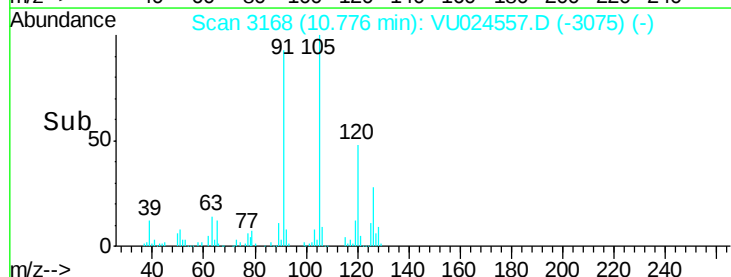
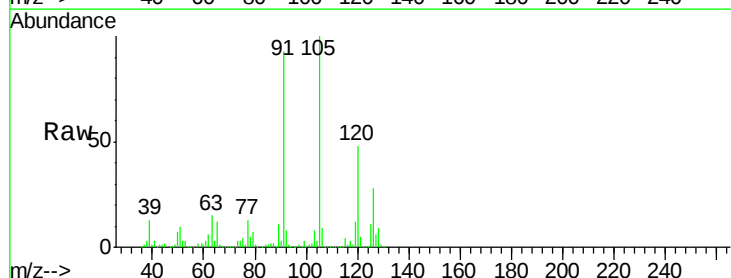
Acq: 14 Jun 2018 22:17

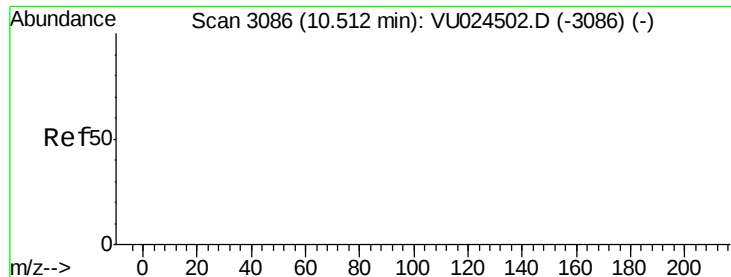
Tgt Ion: 105 Resp: 474022

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.2

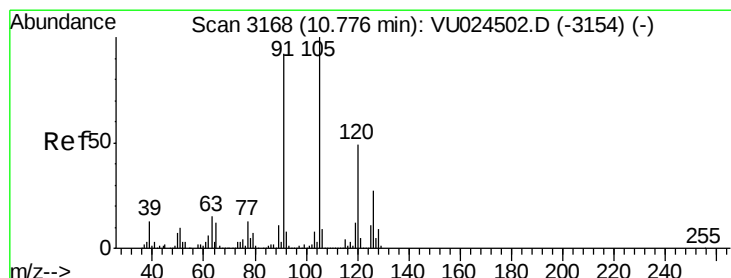
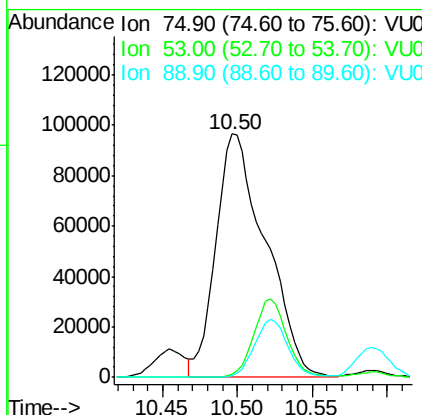
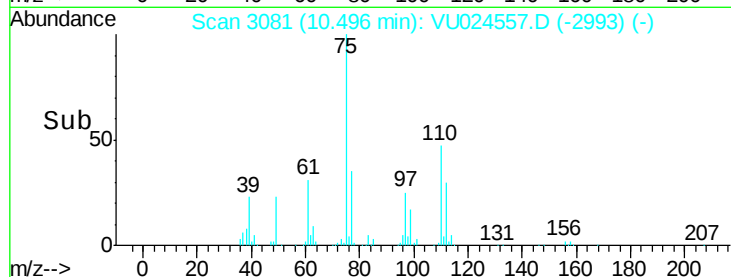
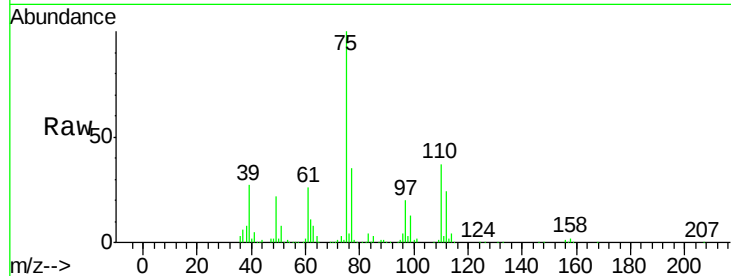




#81
trans-1,4-Dichloro-2-butene
Concen: 149.880 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

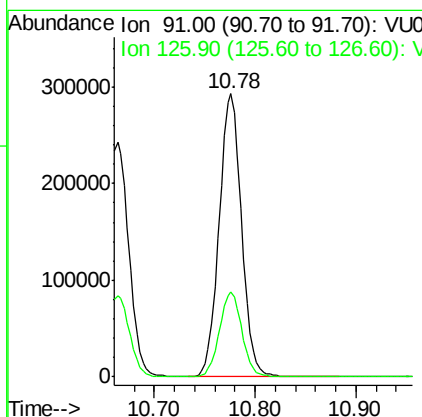
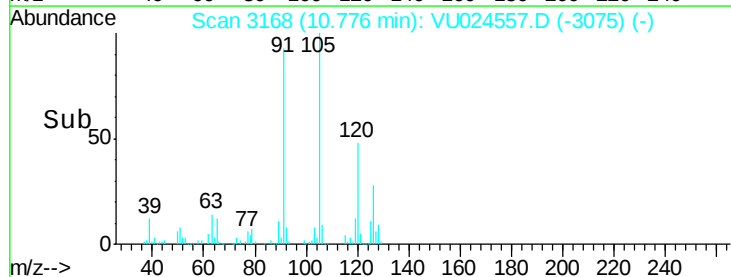
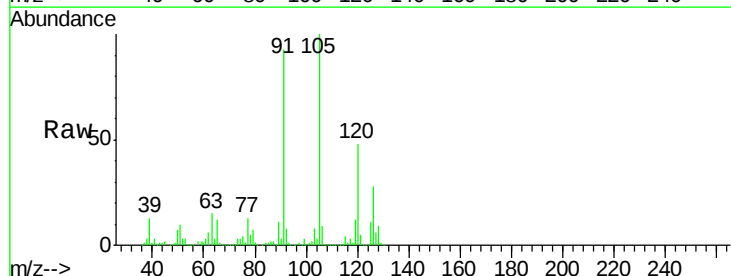
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 223005
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 46.664 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion: 91 Resp: 453081
Ion Ratio Lower Upper
91 100
126 30.2 14.9 44.9

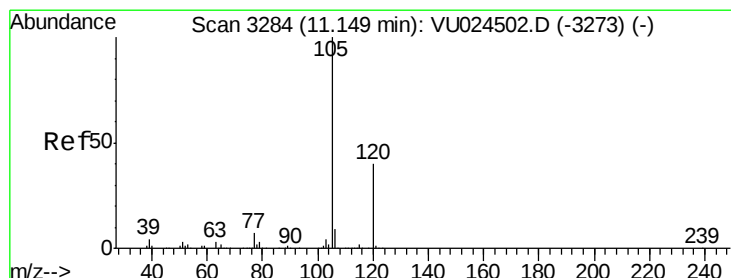
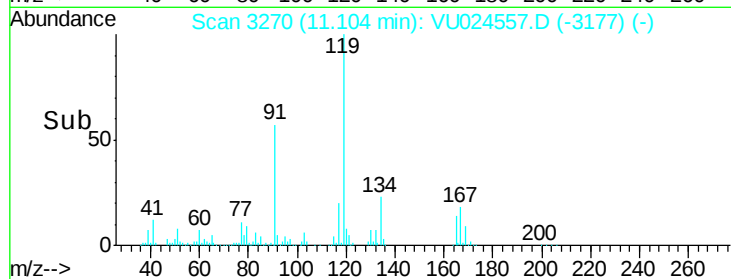
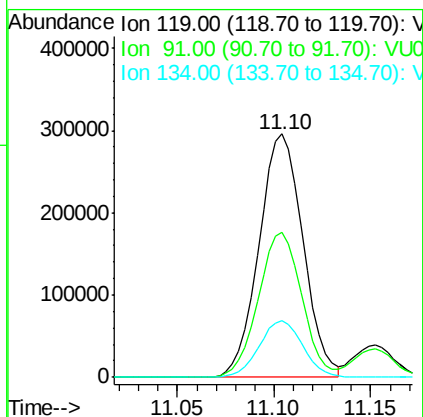
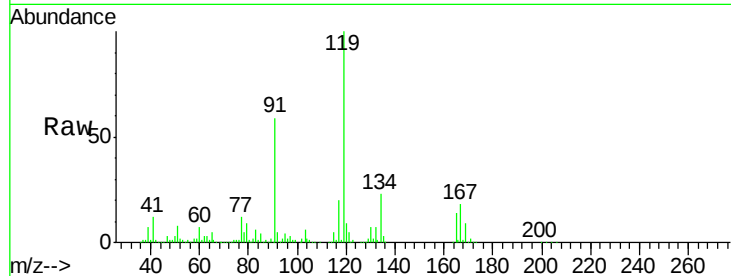




#83
 tert-Butylbenzene
 Concen: 46.748 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

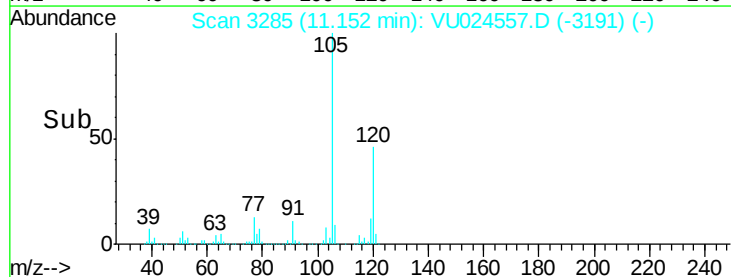
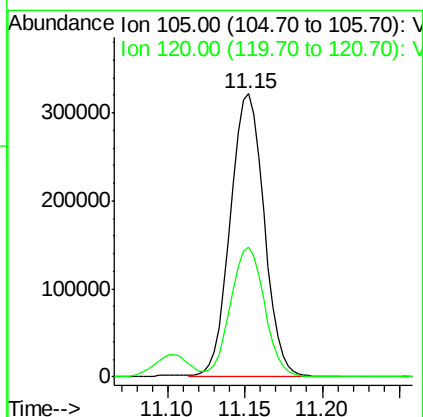
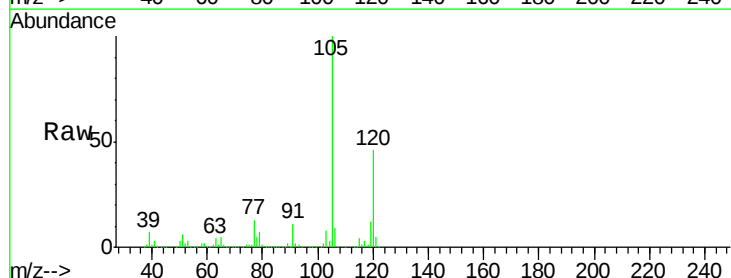
Instrument :
 MSVOA_U
 ClientSampleId :

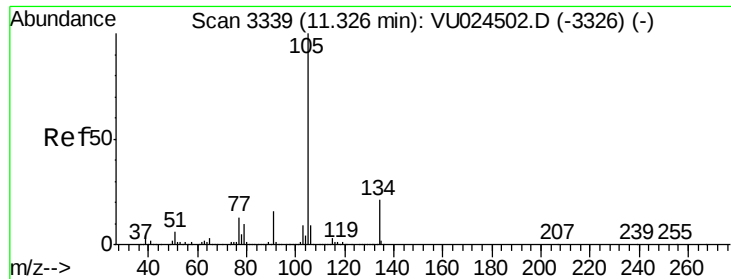
Tot Ion	Ratio	Lower	Upper
119	100		
91	59.0	29.7	89.1
134	22.9	11.6	34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 45.822 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.6	67.8





#85

sec-Butylbenzene

Concen: 46.223 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

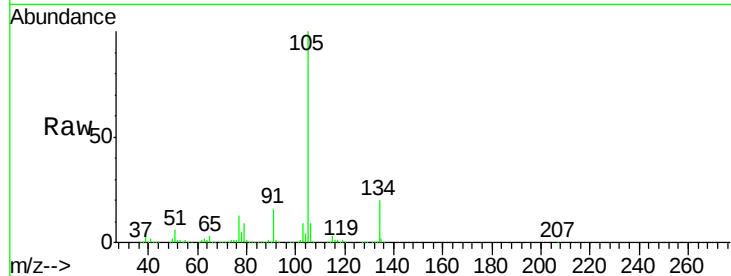
ClientSampleId :

Tot Ion:105 Resp: 579284

Ion Ratio Lower Upper

105 100

134 20.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

400000

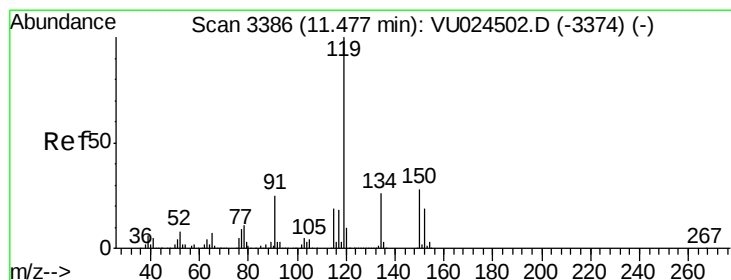
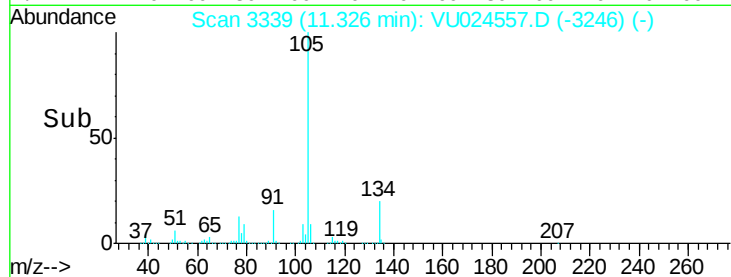
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 45.676 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

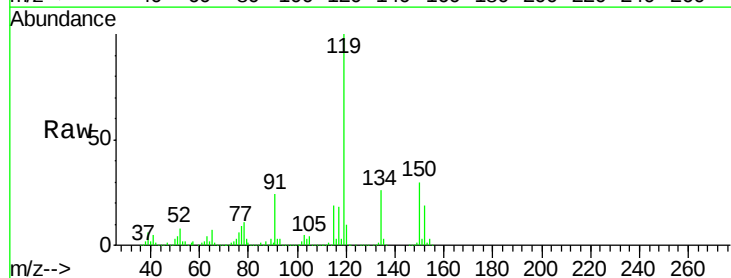
Tgt Ion:119 Resp: 512681

Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.6

91 24.3 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

400000

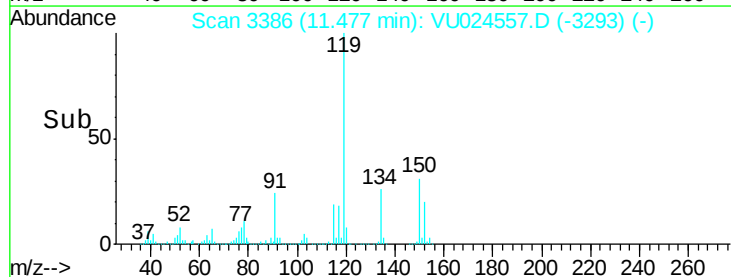
300000

200000

100000

0

Time-->

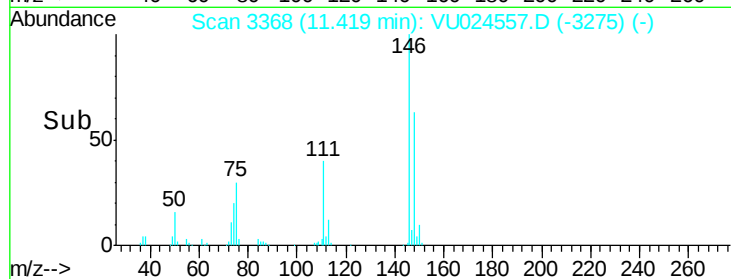
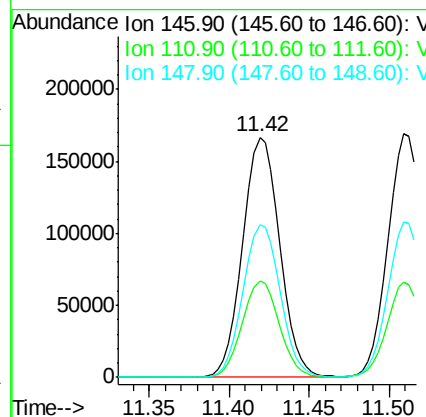
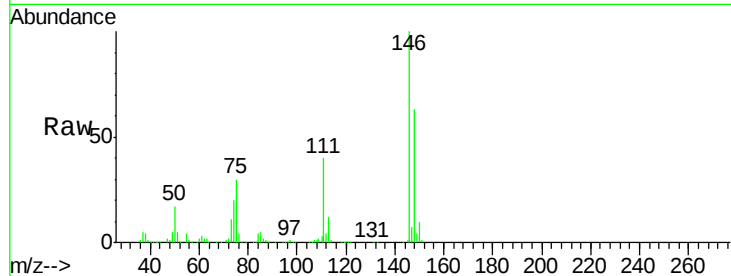




#87
 1,3-Dichlorobenzene
 Concen: 46.848 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

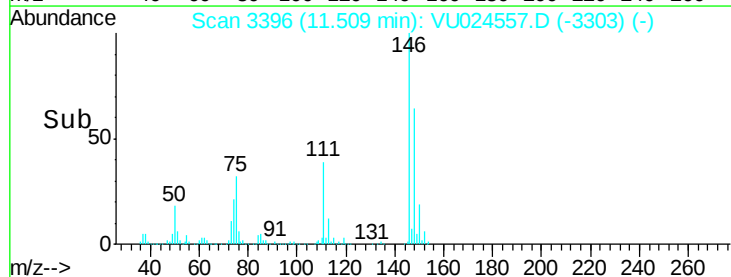
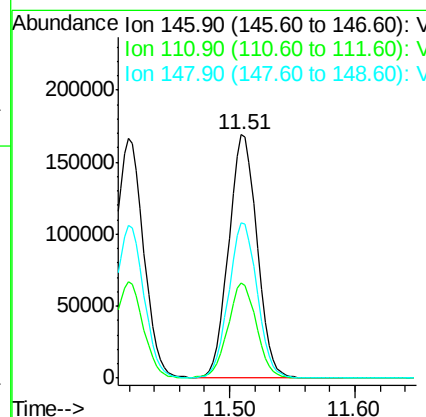
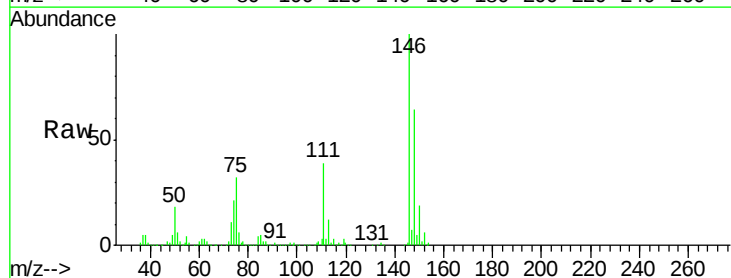
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	60.0
148	64.0	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 47.000 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.5	58.5
148	63.9	32.4	97.0





#89

n-Butylbenzene

Concen: 47.612 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampled :

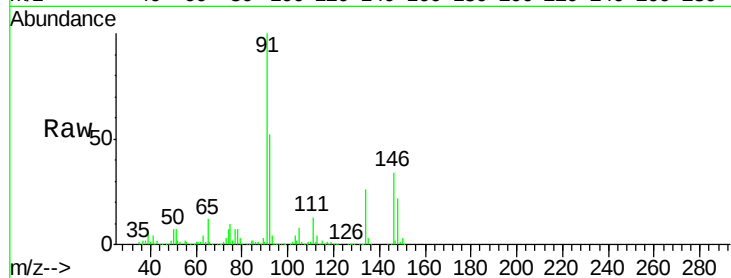
Tot Ion: 91 Resp: 474461

Ion	Ratio	Lower	Upper
91	100		
92	52.8	25.6	76.8
134	26.0	12.3	36.8

91 100

92 52.8 25.6 76.8

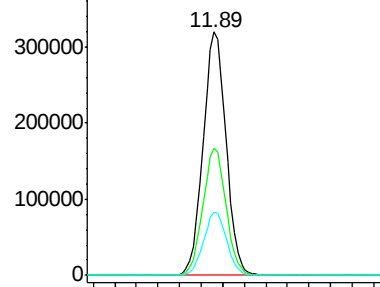
134 26.0 12.3 36.8



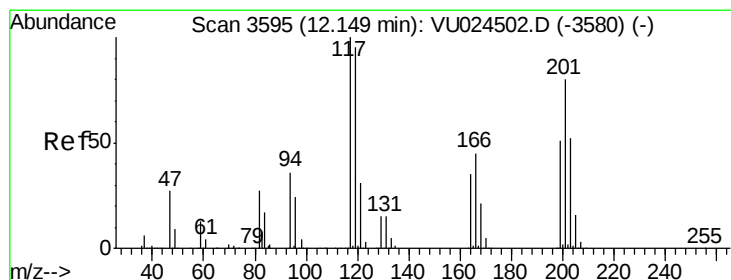
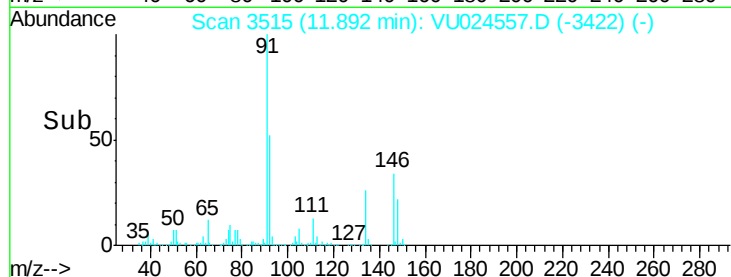
Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3498) (-)

Ion 92.00 (91.70 to 92.70): VU024502.D (-3498) (-)

Ion 134.00 (133.70 to 134.70): VU024502.D (-3498) (-)



Time-->



#90

Hexachloroethane

Concen: 45.126 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU024557.D

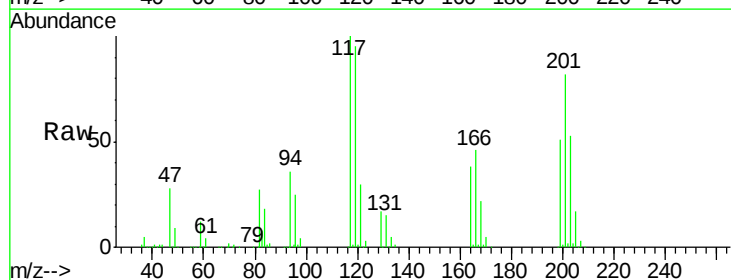
Acq: 14 Jun 2018 22:17

Tgt Ion: 117 Resp: 98807

Ion	Ratio	Lower	Upper
117	100		
201	82.1	41.1	123.3

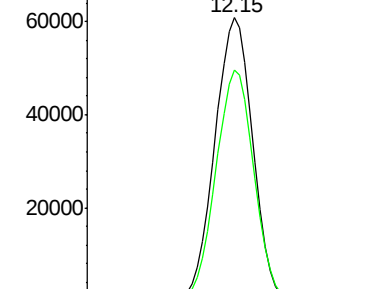
117 100

201 82.1 41.1 123.3

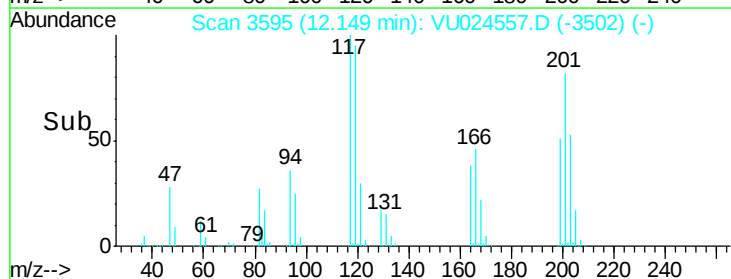


Abundance Ion 116.80 (116.50 to 117.50): VU024502.D (-3580) (-)

Ion 200.70 (200.40 to 201.40): VU024502.D (-3580) (-)



Time-->





#91

1,2-Dichlorobenzene

Concen: 46.755 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampled :

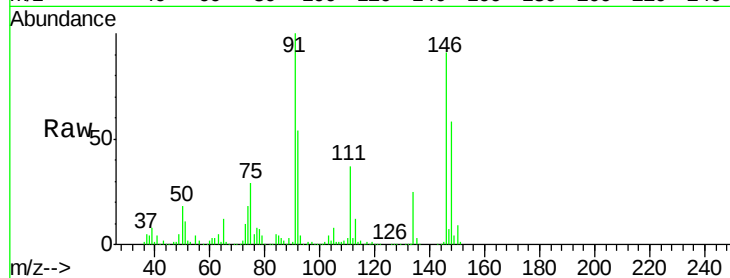
Tot Ion:146 Resp: 263032

Ion Ratio Lower Upper

146 100

111 41.2 20.5 61.6

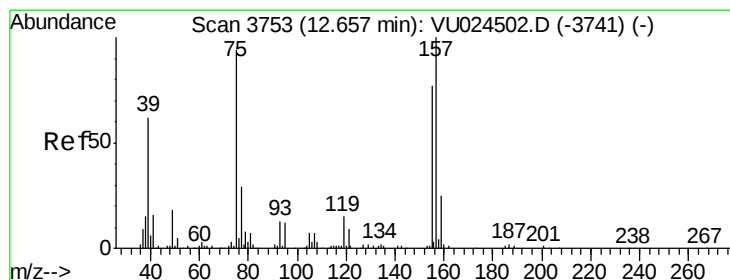
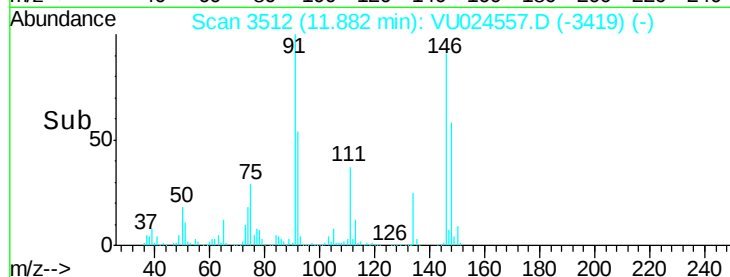
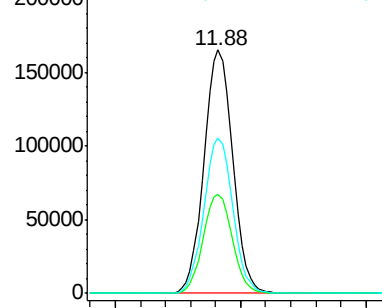
148 64.2 31.9 95.7



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: 44.635 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

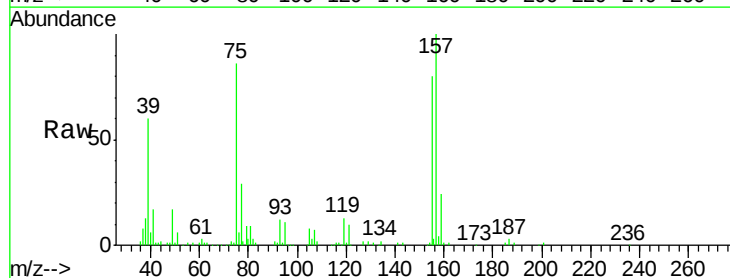
Tgt Ion: 75 Resp: 49561

Ion Ratio Lower Upper

75 100

155 90.6 40.4 121.2

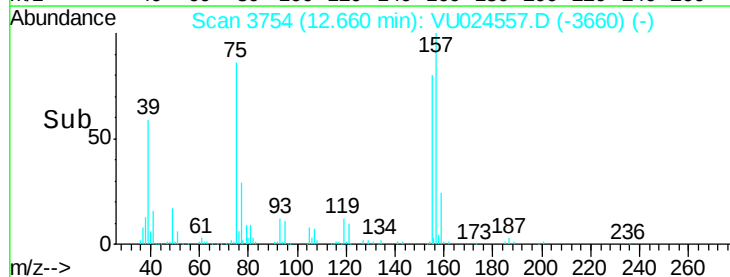
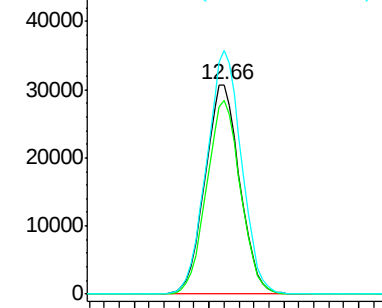
157 116.5 52.3 156.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

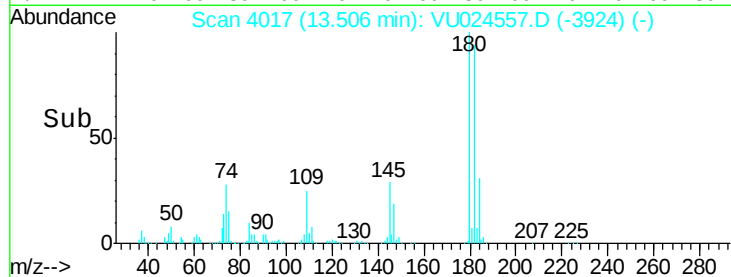
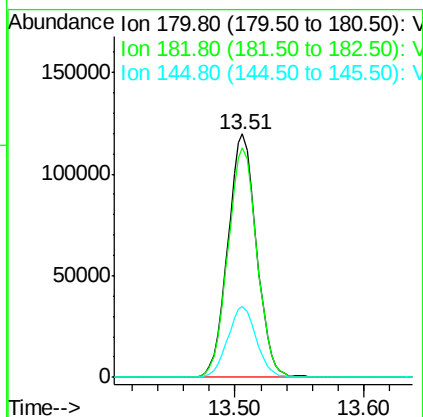
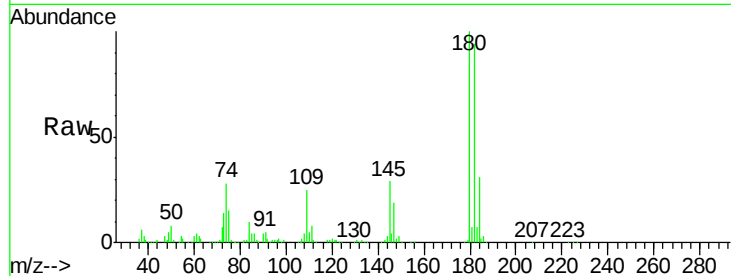




#93
 1,2,4-Trichlorobenzene
 Concen: 53.069 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

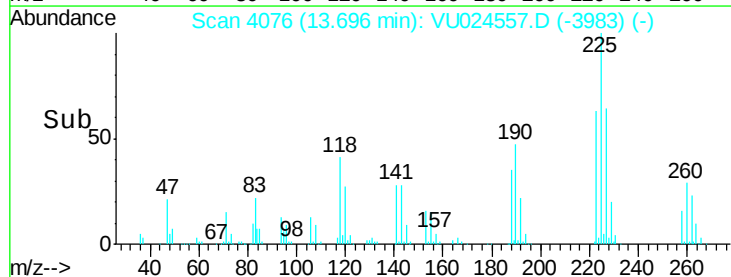
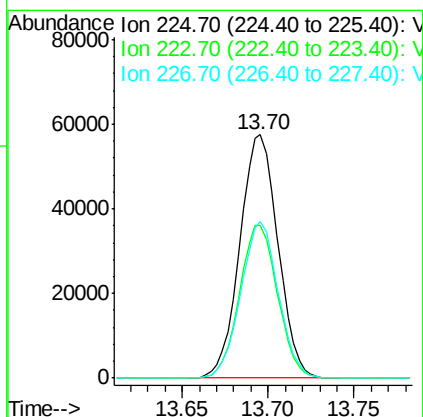
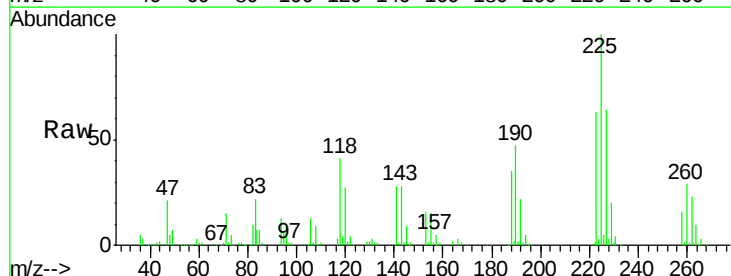
Instrument :
 MSVOA_U
 ClientSampleId :

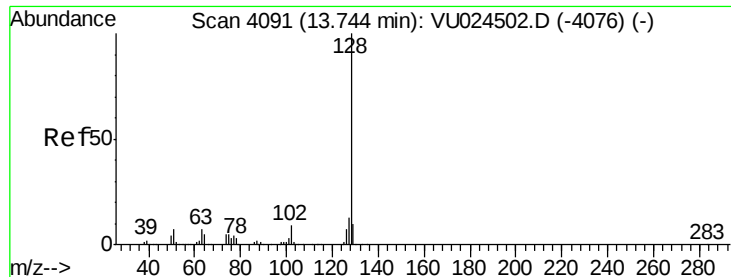
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.2
145	29.3	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 45.236 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.3	93.8
227	63.3	31.8	95.4





#95

Naphthalene

Concen: 48.601 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

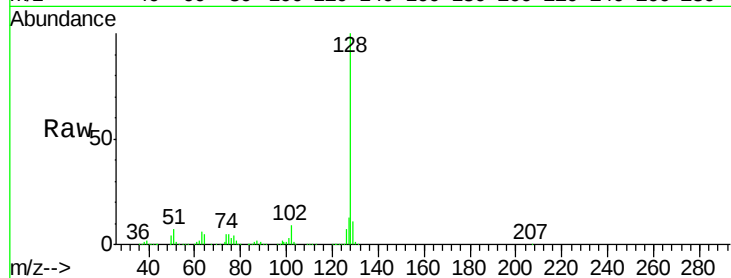
Tot Ion:128 Resp: 558735

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

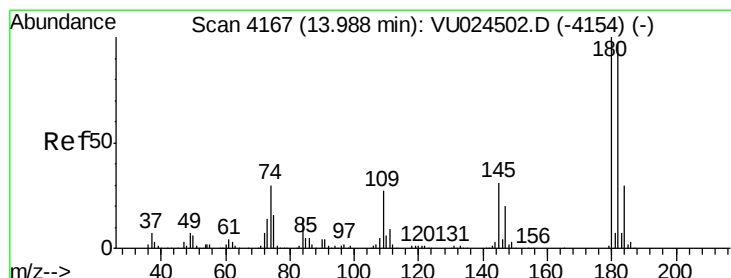
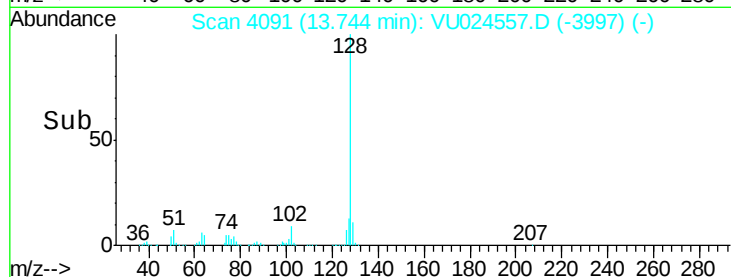
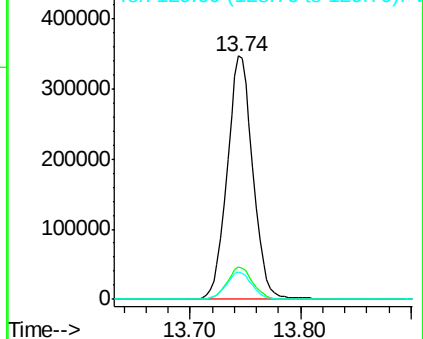
129 11.1 8.6 12.8



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: 53.843 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

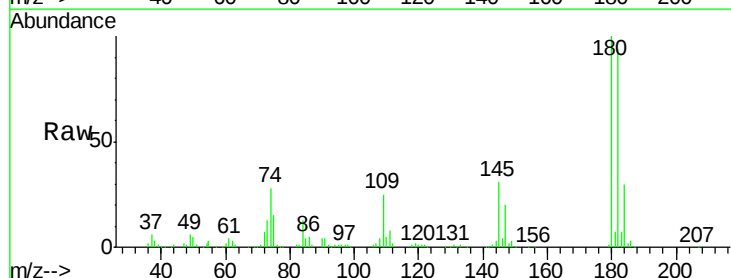
Tgt Ion:180 Resp: 186389

Ion Ratio Lower Upper

180 100

182 94.6 47.9 143.7

145 31.0 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

