

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024580.D
 Acq On : 15 Jun 2018 07:31
 Operator : MD/SY
 Sample : J3478-04MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 08:25:53 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	162252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	263078	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	251325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	152238	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	126915	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
35) Dibromofluoromethane	4.89	113	112037	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
50) Toluene-d8	7.57	98	400857	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	10.31	95	158981	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	88359	43.508	ug/l	99
3) Chloromethane	1.33	50	94261	45.430	ug/l	99
4) Vinyl Chloride	1.41	62	113651	53.114	ug/l	98
5) Bromomethane	1.63	94	57711	55.792	ug/l	98
6) Chloroethane	1.70	64	63679	53.328	ug/l	98
7) Trichlorofluoromethane	1.89	101	157244	48.154	ug/l	99
8) Diethyl Ether	2.10	74	60062	54.206	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	89285	44.072	ug/l	97
10) Methyl Iodide	2.41	142	61519	37.375	ug/l	96
11) Tert butyl alcohol	2.82	59	118591	184.087	ug/l	98
12) 1,1-Dichloroethene	2.29	96	87078	47.133	ug/l	92
13) Acrolein	2.19	56	69671	205.949	ug/l	100
14) Allyl chloride	2.60	41	139682	40.720	ug/l	93
15) Acrylonitrile	2.94	53	299998	239.350	ug/l	98
16) Acetone	2.32	43	240695	169.123	ug/l	96
17) Carbon Disulfide	2.48	76	271639	45.918	ug/l	99
18) Methyl Acetate	2.62	43	127732	41.865	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	321986	46.365	ug/l	97
20) Methylene Chloride	2.71	84	102159	45.748	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	97685	48.007	ug/l	94
22) Diisopropyl ether	3.57	45	323509	47.575	ug/l	97
23) Vinyl Acetate	3.53	43	1296184	212.789	ug/l	98
24) 1,1-Dichloroethane	3.45	63	182246	46.588	ug/l	99
25) 2-Butanone	4.26	43	417722	218.511	ug/l	95
26) 2,2-Dichloropropane	4.23	77	98621	26.550	ug/l	91
27) cis-1,2-Dichloroethene	4.23	96	152444	65.165	ug/l	89
28) Bromochloromethane	4.55	49	90744	52.665	ug/l	87
29) Tetrahydrofuran	4.64	42	275308	232.555	ug/l	96
30) Chloroform	4.68	83	187478	47.350	ug/l	99
31) Cyclohexane	5.00	56	169013	48.598	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	165866	45.301	ug/l	96
36) 1,1-Dichloropropene	5.14	75	138632	44.845	ug/l	97
37) Ethyl Acetate	4.38	43	146135	43.372	ug/l #	96
38) Carbon Tetrachloride	5.14	117	153826	45.250	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	6.42	83	165062	42.787	ug/l	93
40) Benzene	5.39	78	415861	47.210	ug/l	100
41) Methacrylonitrile	4.54	41	88182	48.541	ug/l	97
42) 1,2-Dichloroethane	5.41	62	147383	43.930	ug/l	97
43) Isopropyl Acetate	5.55	43	248934	42.742	ug/l	97
44) Trichloroethene	6.19	130	120260	47.971	ug/l	94
45) 1,2-Dichloropropane	6.44	63	112520	47.873	ug/l	99
46) Dibromomethane	6.56	93	78556	47.583	ug/l	92
47) Bromodichloromethane	6.76	83	153185	46.597	ug/l	99
48) Methyl methacrylate	6.63	41	128739	45.395	ug/l	98
49) 1,4-Dioxane	6.61	88	41169	742.300	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	855193	233.723	ug/l	98
52) Toluene	7.64	92	265622	46.870	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	157549	42.675	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	167455	42.567	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	108472	47.087	ug/l	98
56) Ethyl methacrylate	8.02	69	183150	47.501	ug/l	97
57) 1,3-Dichloropropane	8.25	76	183224	47.149	ug/l	99
59) 2-Hexanone	8.36	43	666345	223.065	ug/l	99
60) Dibromochloromethane	8.48	129	131585	45.806	ug/l	100
61) 1,2-Dibromoethane	8.59	107	122254	47.680	ug/l	99
64) Tetrachloroethene	8.23	164	104914	43.916	ug/l	97
65) Chlorobenzene	9.12	112	303382	47.253	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	114234	46.831	ug/l	99
67) Ethyl Benzene	9.25	91	518644	46.079	ug/l	98
68) m/p-Xylenes	9.38	106	404431	93.572	ug/l	96
69) o-Xylene	9.78	106	199851	46.722	ug/l	94
70) Stvrene	9.80	104	331453	47.153	ug/l	99
71) Bromoform	9.96	173	110162	47.514	ug/l #	98
73) Isopropylbenzene	10.17	105	523258	44.768	ug/l	97
74) N-amyl acetate	10.01	43	226298	40.705	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	185182	47.279	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	203563	60.734	ug/l	86
77) Bromobenzene	10.45	156	138985	46.970	ug/l	94
78) n-propylbenzene	10.59	91	615815	44.726	ug/l	97
79) 2-Chlorotoluene	10.66	91	363631	44.785	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	450784	44.497	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.50	75	203563	140.563	ug/l #	100
82) 4-Chlorotoluene	10.78	91	430942	45.600	ug/l	99
83) tert-Butylbenzene	11.10	119	445915	45.758	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	462599	44.808	ug/l	98
85) sec-Butylbenzene	11.33	105	540358	44.298	ug/l	97
86) p-Isopropyltoluene	11.48	119	480477	43.980	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	254476	46.549	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	256335	46.586	ug/l	100
89) n-Butylbenzene	11.89	91	431517	44.490	ug/l	98
90) Hexachloroethane	12.15	117	89829	42.150	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	254175	46.419	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	47273	43.741	ug/l	90
93) 1,2,4-Trichlorobenzene	13.51	180	179463	53.074	ug/l	98

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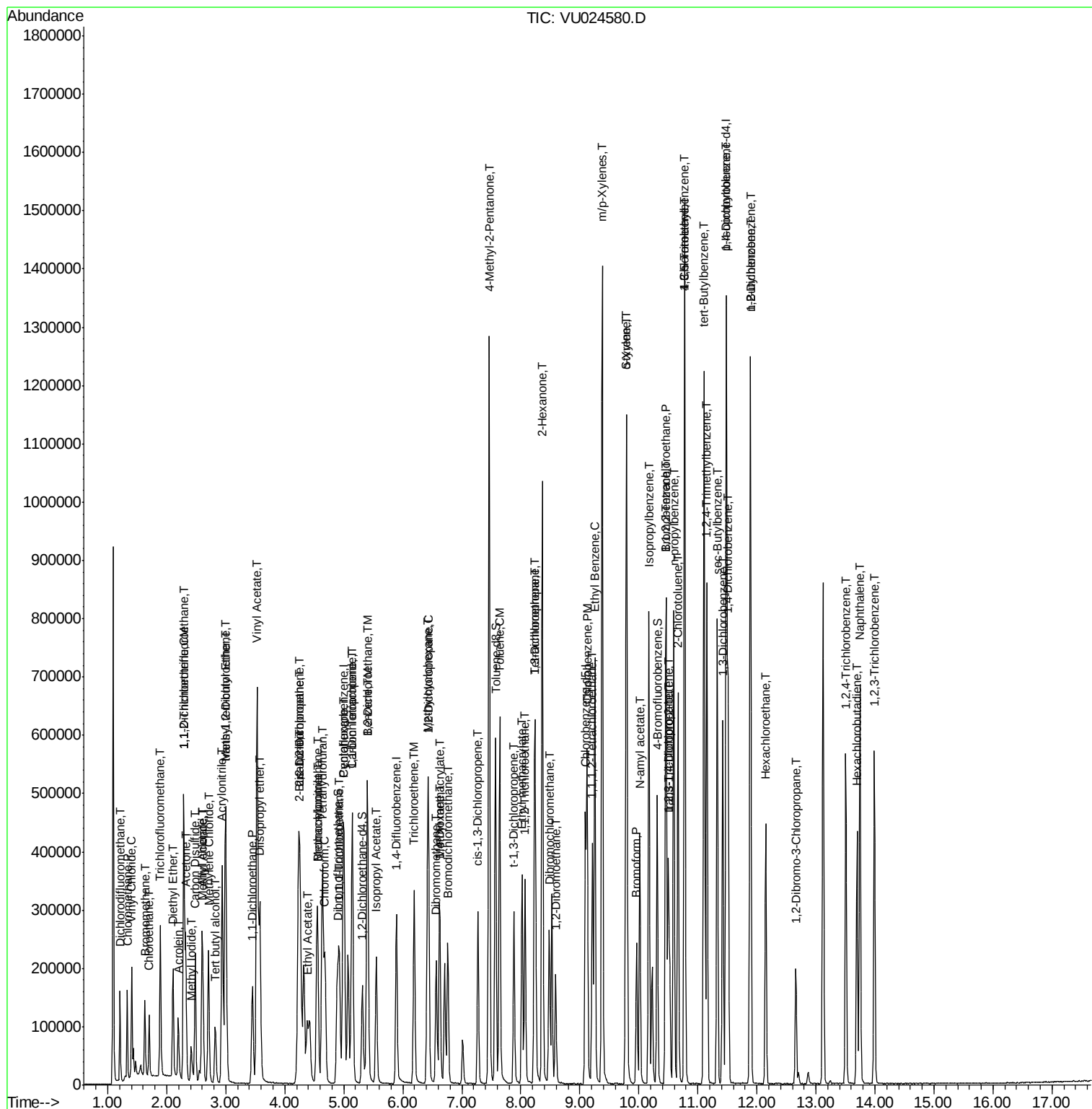
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	80576	42.337	ug/l	100
95) Naphthalene	13.74	128	548383	49.002	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	179770	53.355	ug/l	99

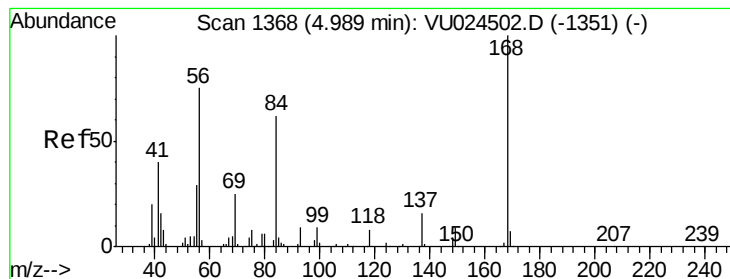
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VU024580.D

Acq: 15 Jun 2018 07:31

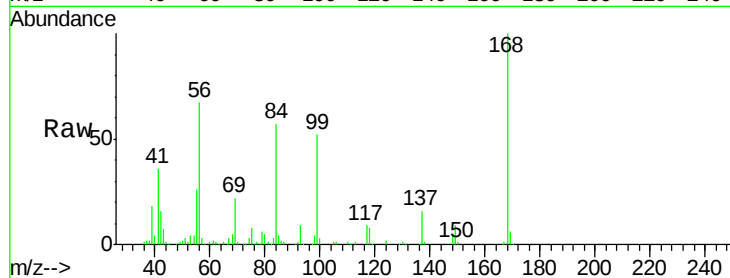
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 162252

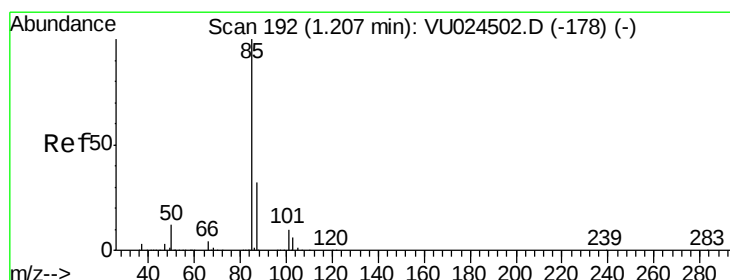
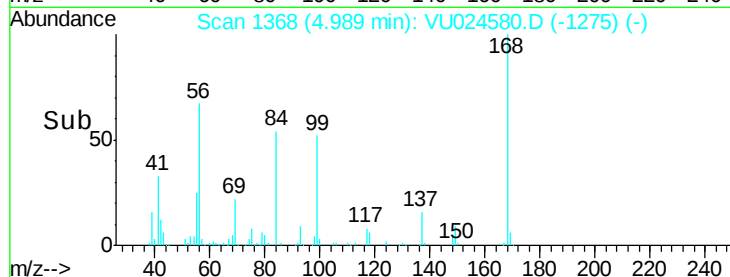
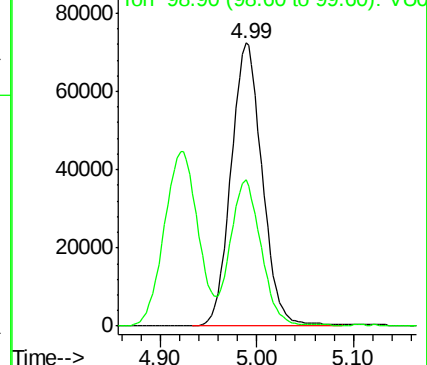
Ion Ratio Lower Upper

168 100

99 51.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024580.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 43.508 ug/l

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU024580.D

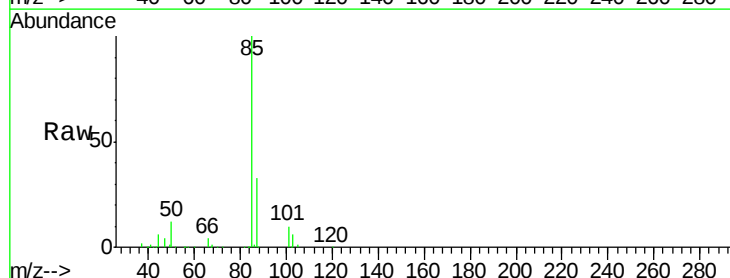
Acq: 15 Jun 2018 07:31

Tgt Ion: 85 Resp: 88359

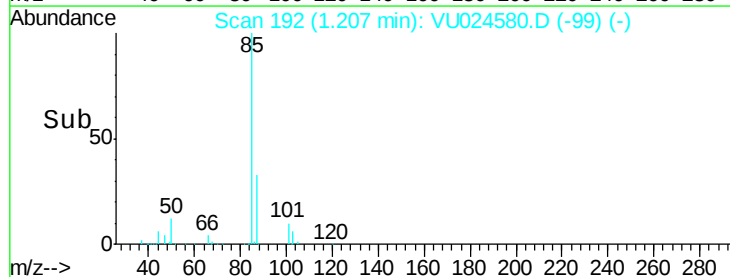
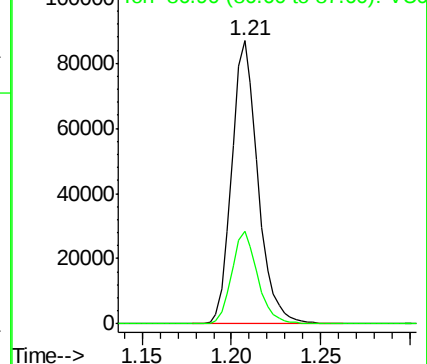
Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024580.D (-178) (-)





#3

Chloromethane

Concen: 45.430 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

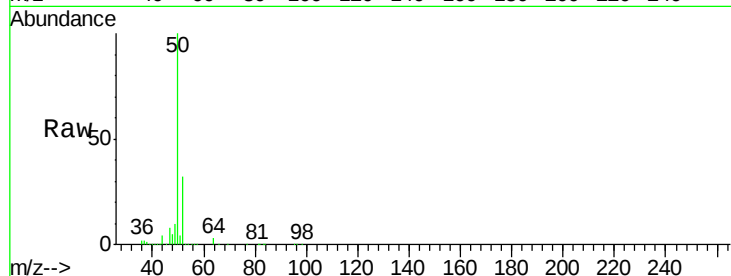
ClientSampleId :

Tot Ion: 50 Resp: 94261

Ion Ratio Lower Upper

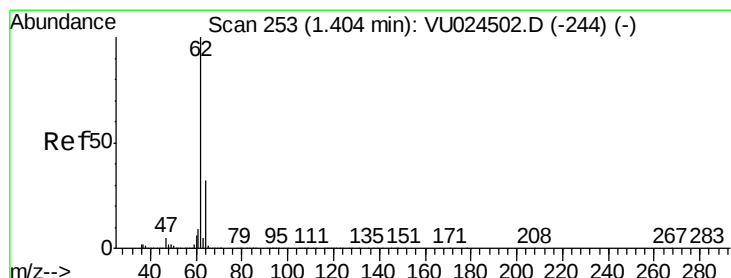
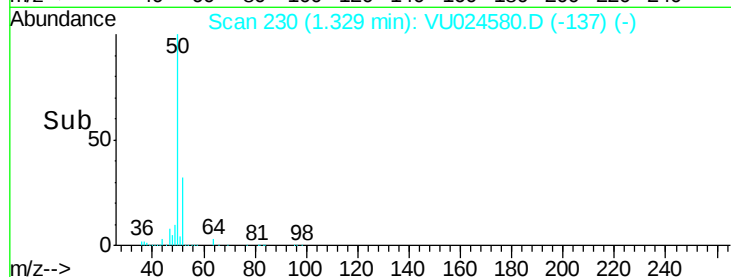
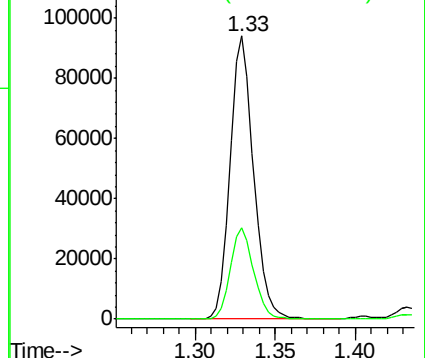
50 100

52 32.2 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: 53.114 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024580.D

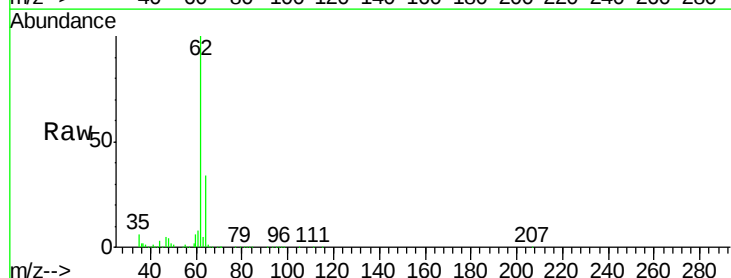
Acq: 15 Jun 2018 07:31

Tgt Ion: 62 Resp: 113651

Ion Ratio Lower Upper

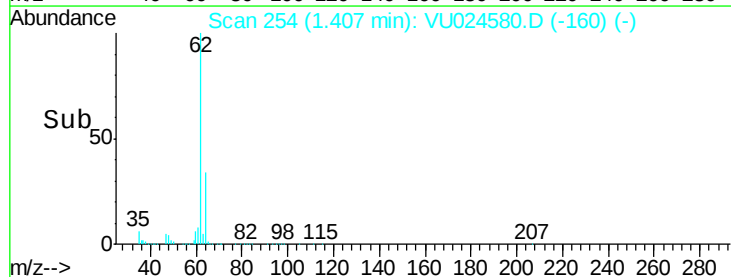
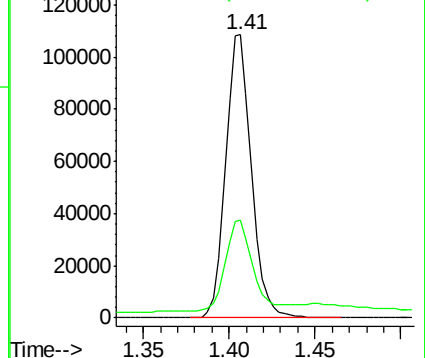
62 100

64 31.9 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: 55.792 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

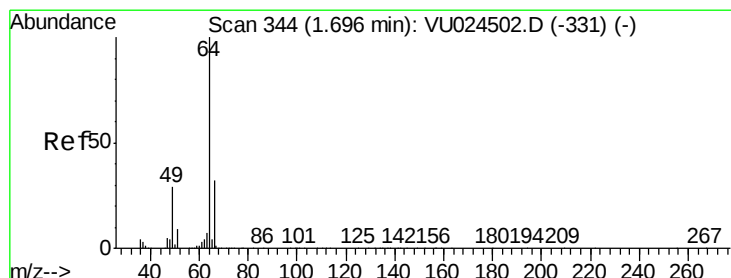
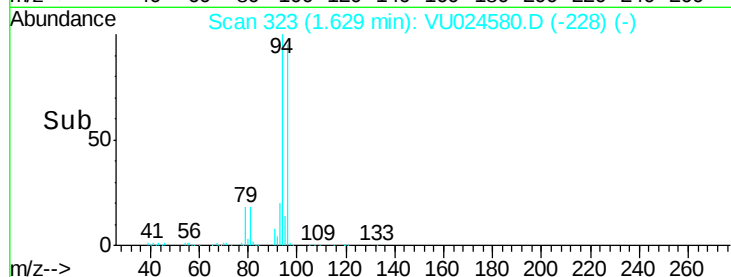
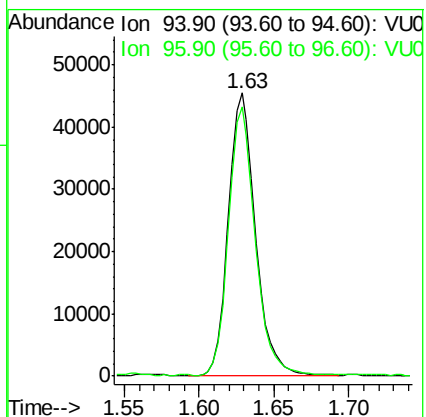
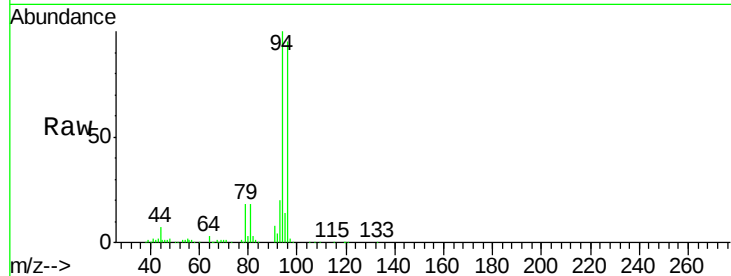
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 57711

Ion Ratio Lower Upper

94 100

96 94.9 74.5 111.7



#6

Chloroethane

Concen: 53.328 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU024580.D

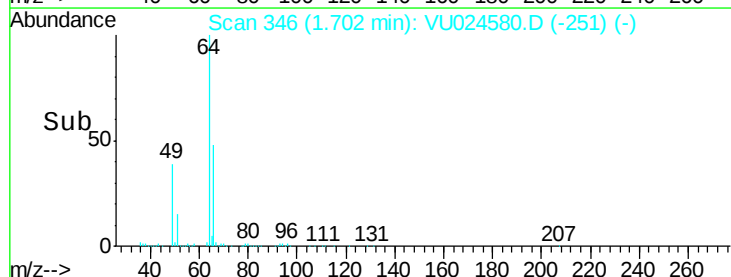
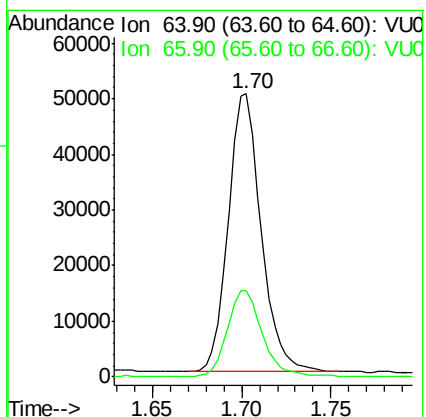
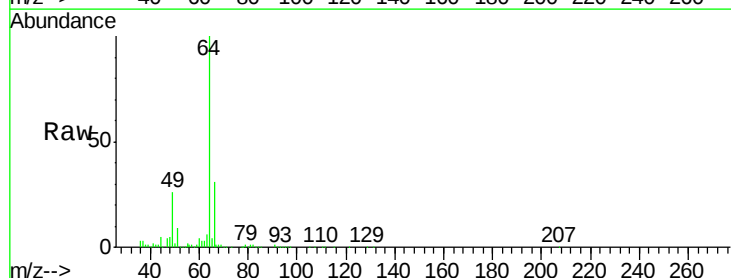
Acq: 15 Jun 2018 07:31

Tgt Ion: 64 Resp: 63679

Ion Ratio Lower Upper

64 100

66 30.9 25.5 38.3



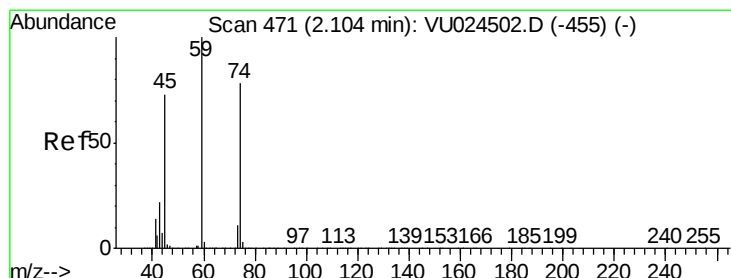
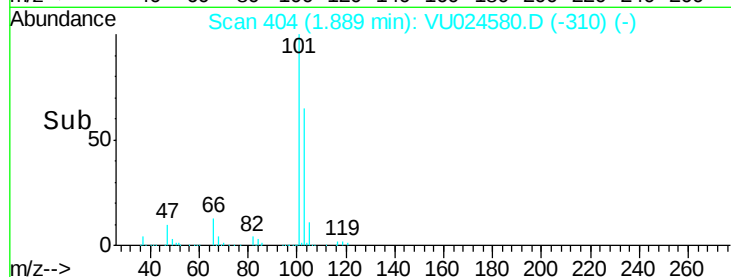
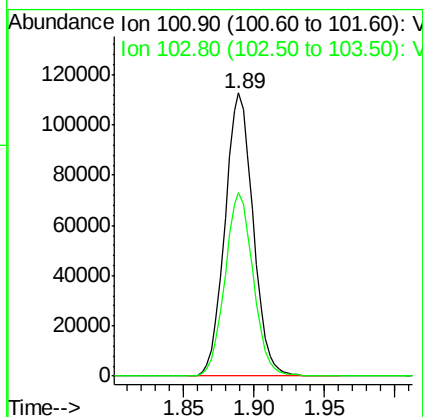
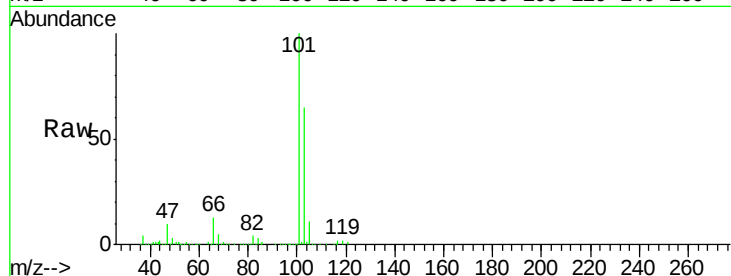


#7

Trichlorofluoromethane
 Concen: 48.154 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

Instrument :
 MSVOA_D
 ClientSampleId :

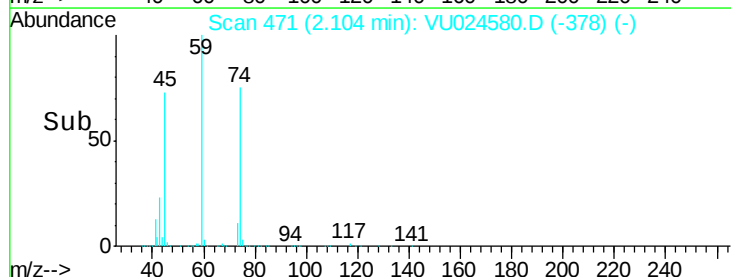
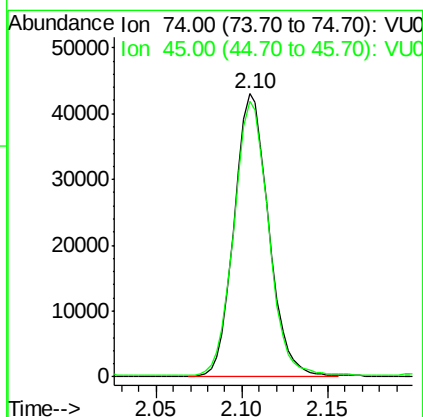
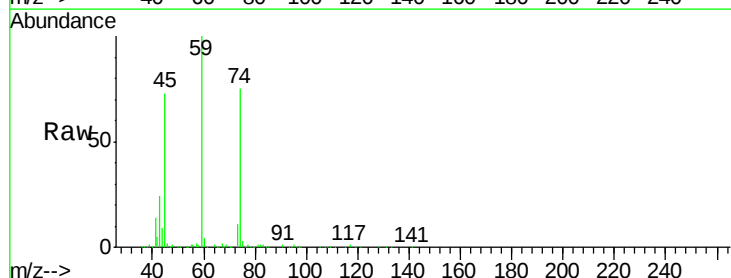
Tot Ion:101 Resp: 157244
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.3 78.5



#8

Diethyl Ether
 Concen: 54.206 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

Tgt Ion: 74 Resp: 60062
 Ion Ratio Lower Upper
 74 100
 45 97.2 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.072 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

ClientSampleId :

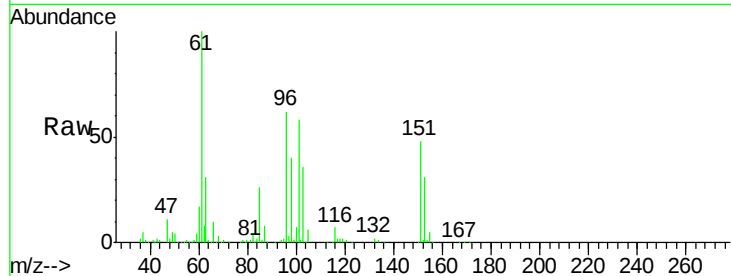
Tot Ion:101 Resp: 89285

Ion Ratio Lower Upper

101 100

85 43.9 36.0 54.0

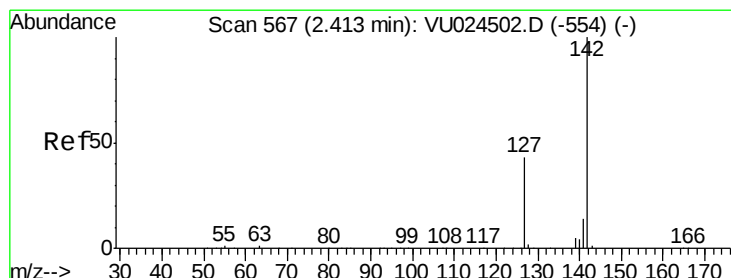
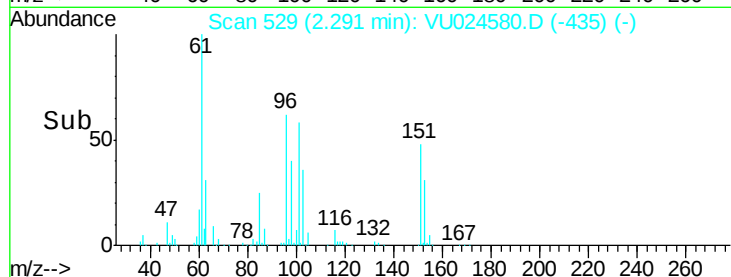
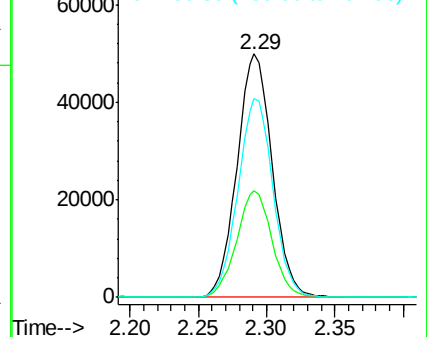
151 81.3 62.3 93.5



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: 37.375 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

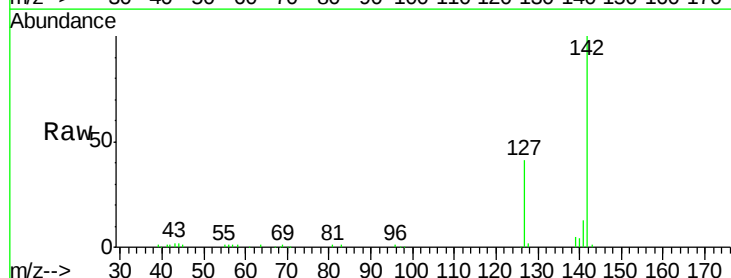
Tgt Ion:142 Resp: 61519

Ion Ratio Lower Upper

142 100

127 41.7 35.6 53.4

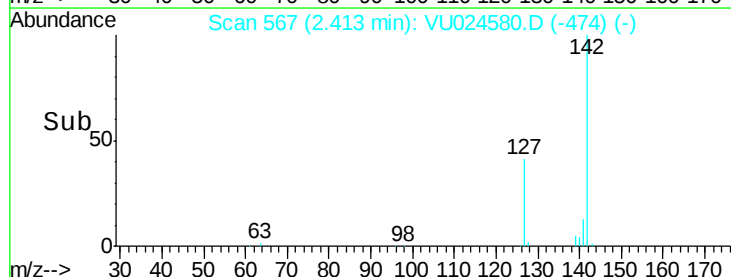
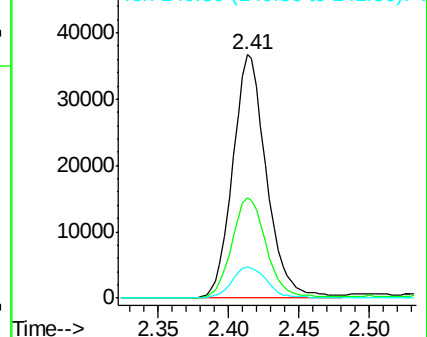
141 13.5 11.7 17.5



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



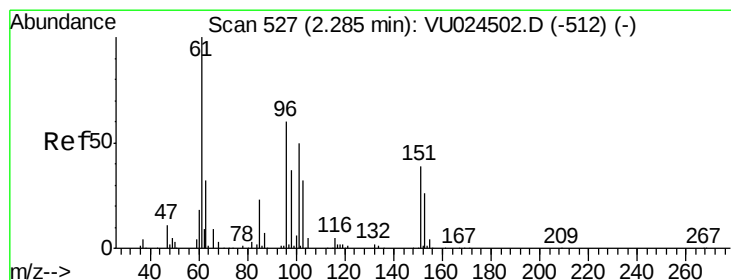
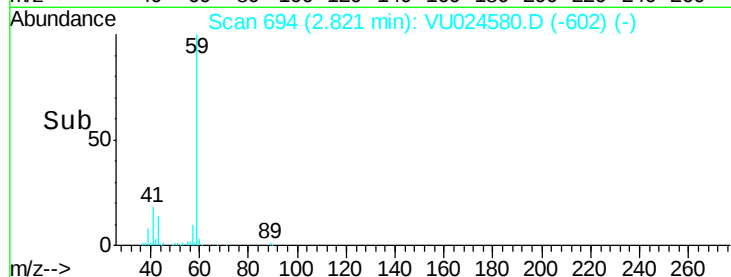
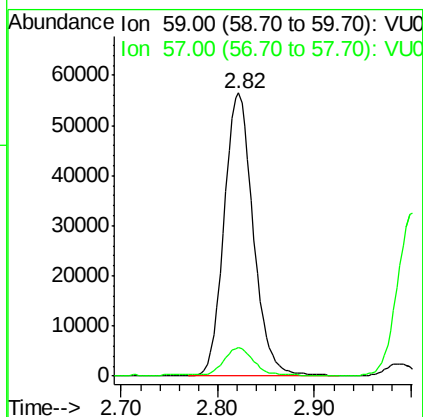
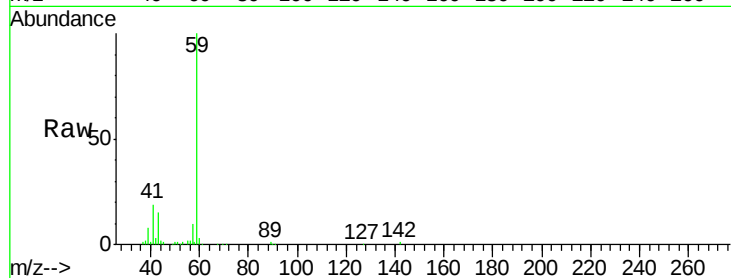


#11

Tert butyl alcohol
Concen: 184.087 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

Instrument :
MSVOA_D
ClientSampleId :

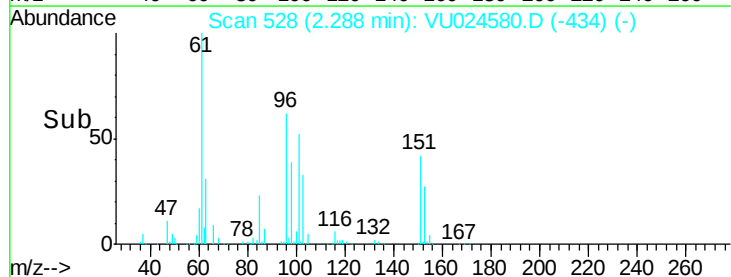
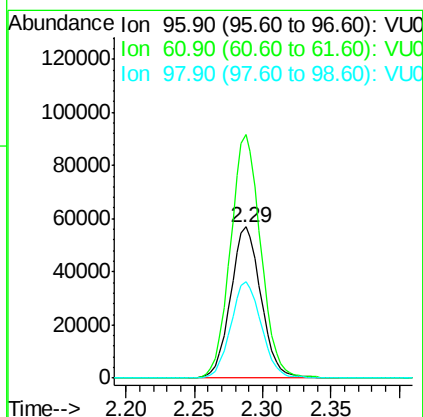
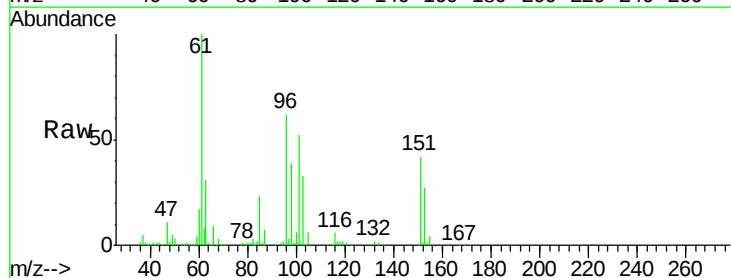
Tot Ion: 59 Resp: 118591
Ion Ratio Lower Upper
59 100
57 9.7 8.5 12.7

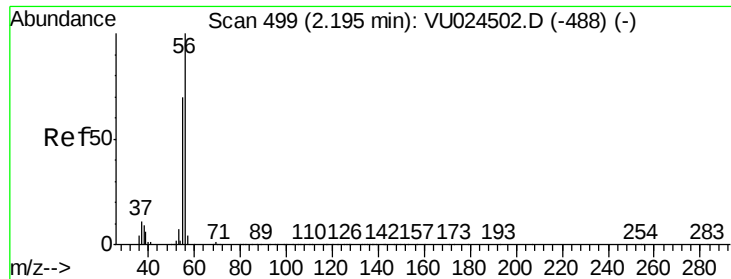


#12

1,1-Dichloroethene
Concen: 47.133 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

Tgt Ion: 96 Resp: 87078
Ion Ratio Lower Upper
96 100
61 161.9 141.7 212.5
98 63.7 51.6 77.4

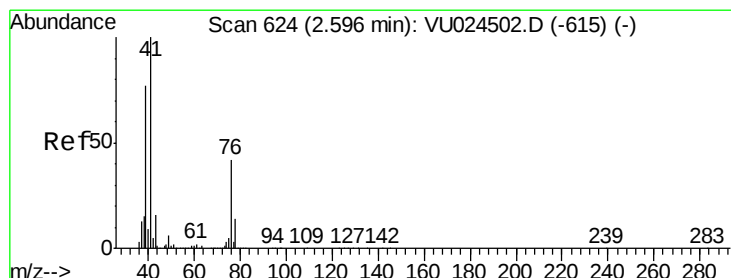
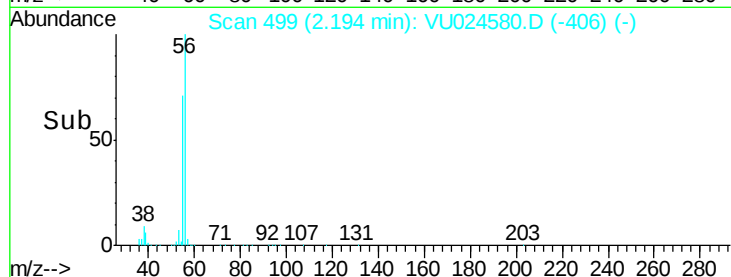
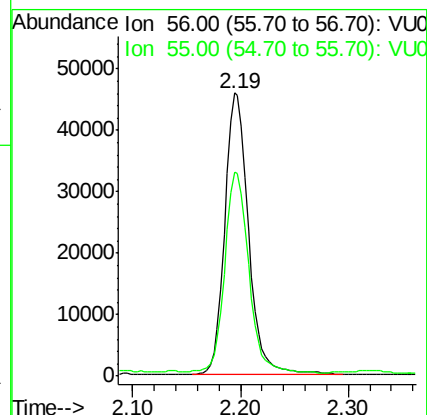
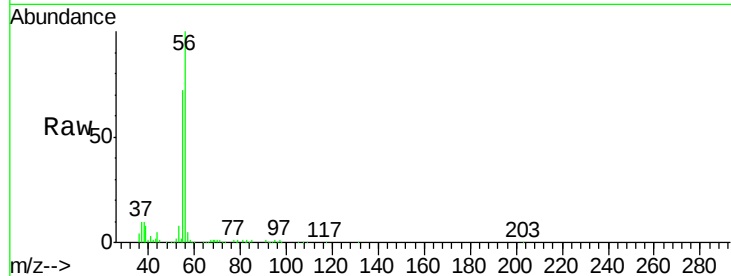




#13
Acrolein
Concen: 205.949 ug/l
RT: 2.19 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

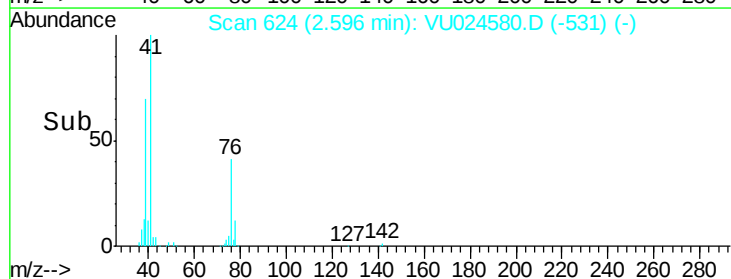
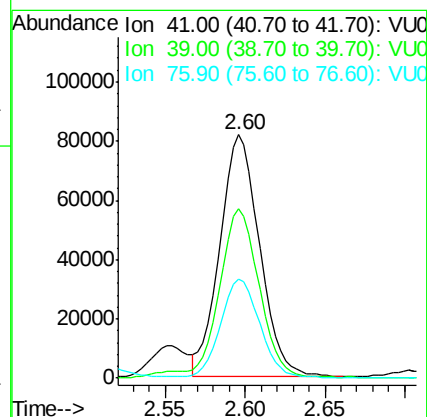
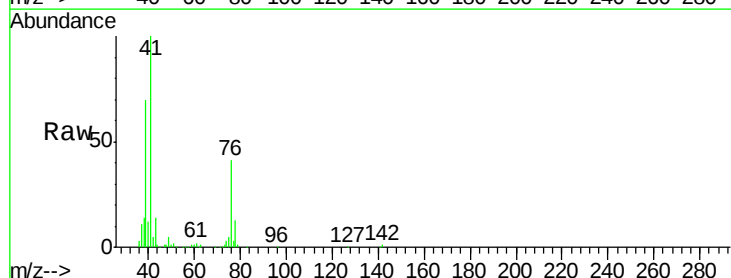
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 69671
Ion Ratio Lower Upper
56 100
55 72.6 58.4 87.6



#14
Allyl chloride
Concen: 40.720 ug/l
RT: 2.60 min Scan# 624
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

Tgt Ion: 41 Resp: 139682
Ion Ratio Lower Upper
41 100
39 71.0 61.6 92.4
76 40.5 29.7 44.5





#15

Acrylonitrile

Concen: 239.350 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

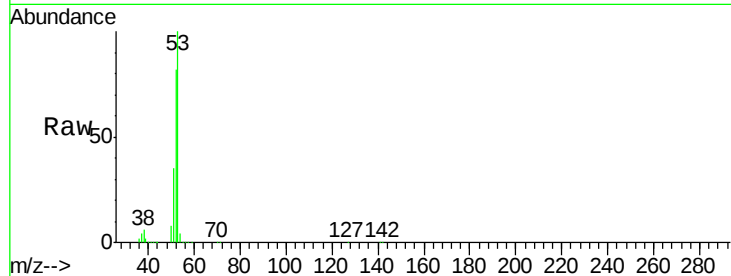
Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 53 Resp: 299998

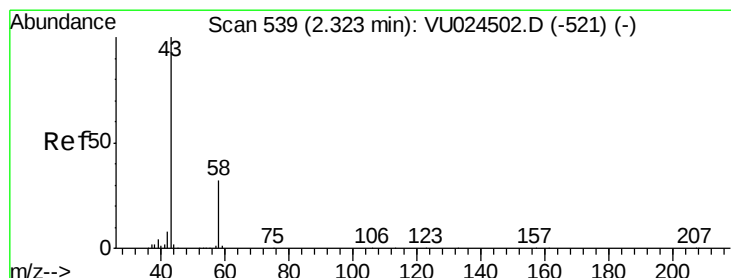
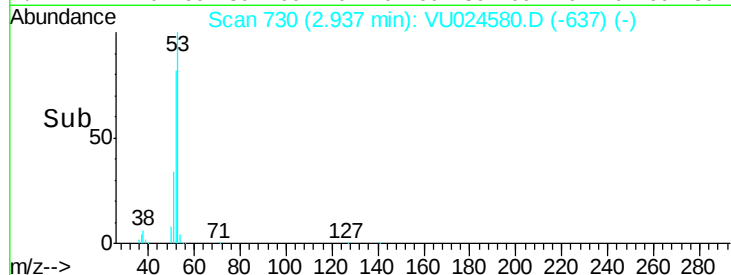
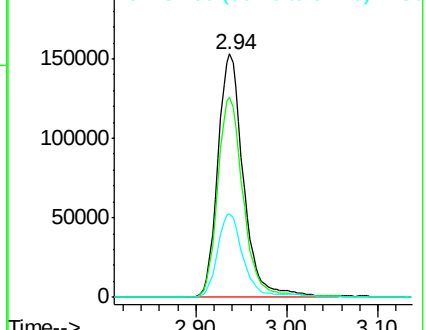
Ion	Ratio	Lower	Upper
53	100		
52	81.9	67.1	100.7
51	35.2	28.4	42.6



Abundance Ion 53.00 (52.70 to 53.70): VU024580.D (-637) (-)

Ion 52.00 (51.70 to 52.70): VU024580.D (-637) (-)

Ion 51.00 (50.70 to 51.70): VU024580.D (-637) (-)



#16

Acetone

Concen: 169.123 ug/l

RT: 2.32 min Scan# 538

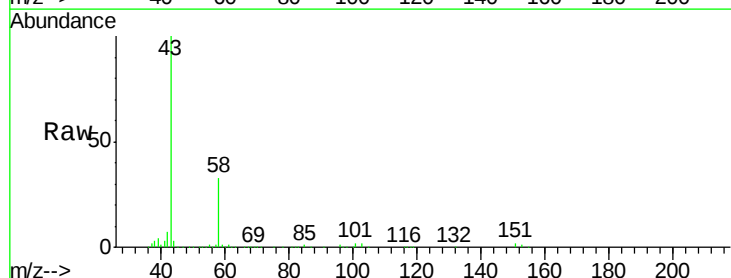
Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

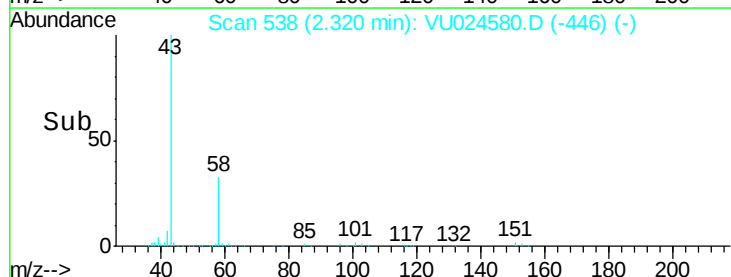
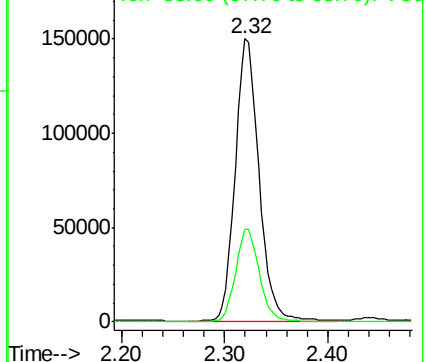
Tgt Ion: 43 Resp: 240695

Ion	Ratio	Lower	Upper
43	100		
58	32.7	24.4	36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024580.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU024580.D (-446) (-)

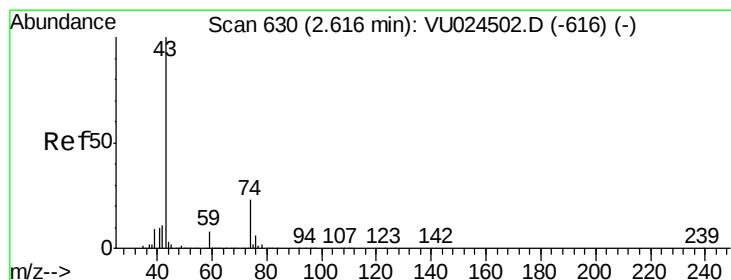
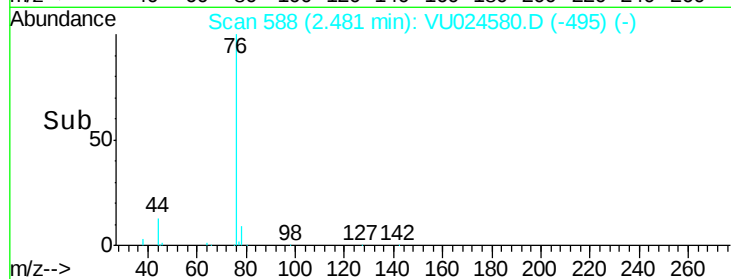
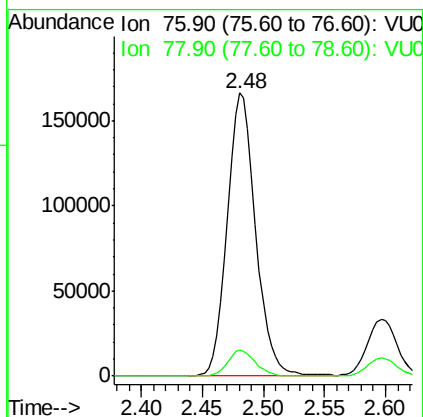
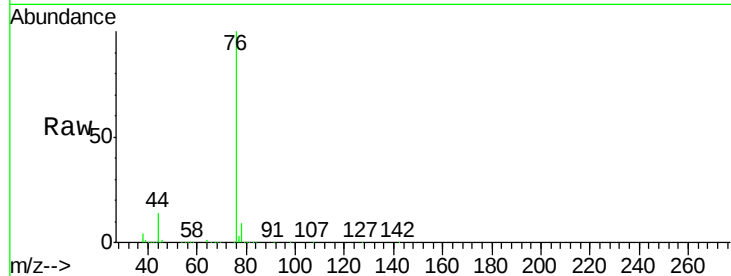




#17
Carbon Disulfide
Concen: 45.918 ug/l
RT: 2.48 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

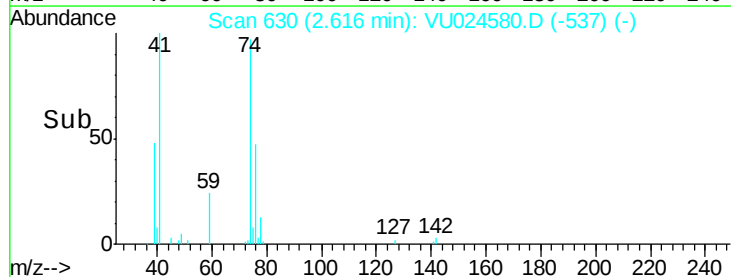
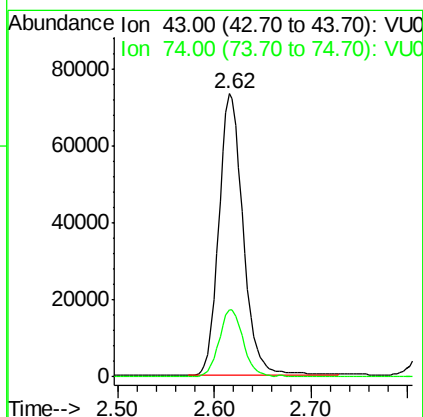
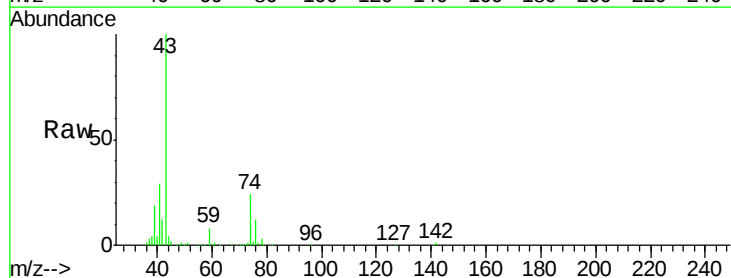
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 271639
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 41.865 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

Tgt Ion: 43 Resp: 127732
Ion Ratio Lower Upper
43 100
74 23.6 18.0 27.0

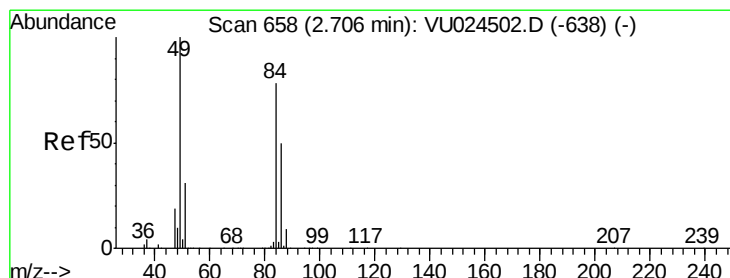
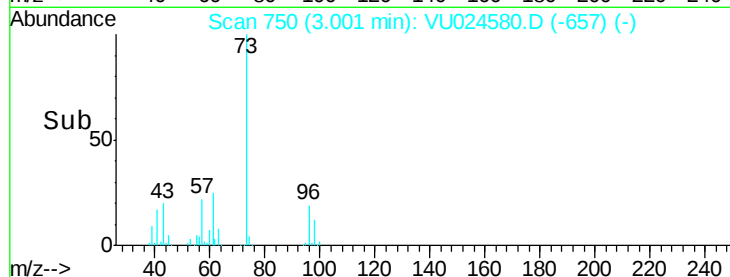
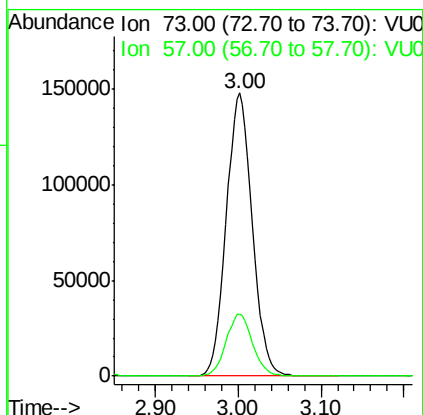
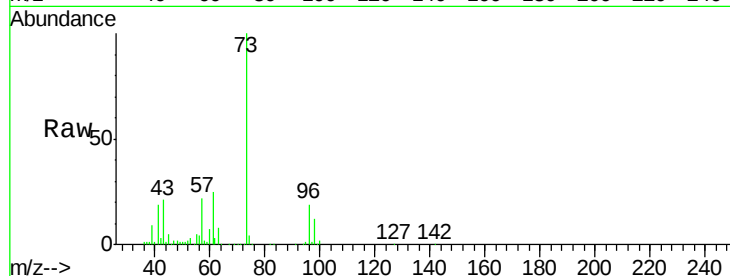




#19
Methvl tert-butvl Ether
Concen: 46.365 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

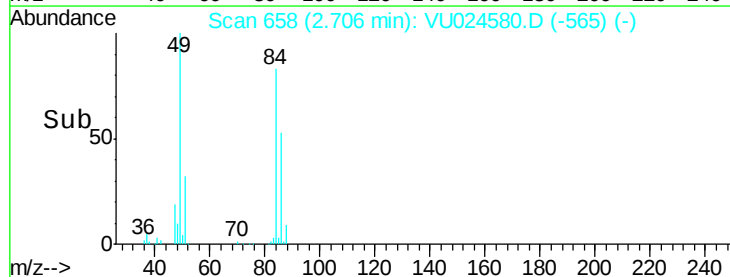
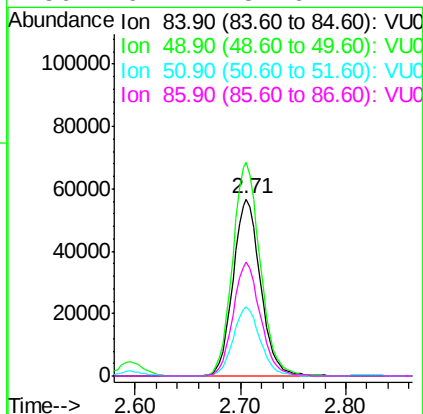
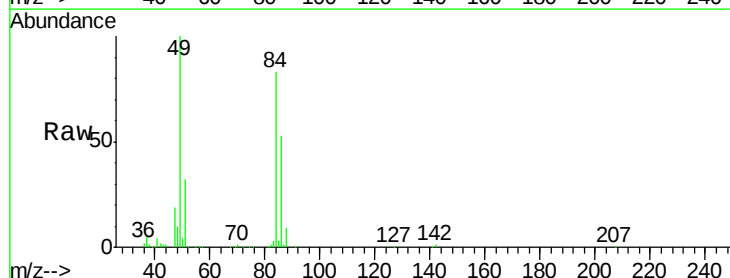
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 73 Resp: 321986
Ion Ratio Lower Upper
73 100
57 22.0 18.8 28.2



#20
Methylene Chloride
Concen: 45.748 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

Tgt Ion: 84 Resp: 102159
Ion Ratio Lower Upper
84 100
49 120.7 103.8 155.8
51 38.8 32.0 48.0
86 64.1 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 48.007 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :
MSVOA_D
ClientSampleId :

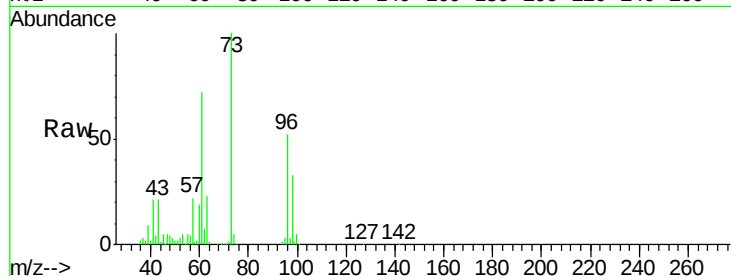
Tot Ion: 96 Resp: 97685

Ion Ratio Lower Upper

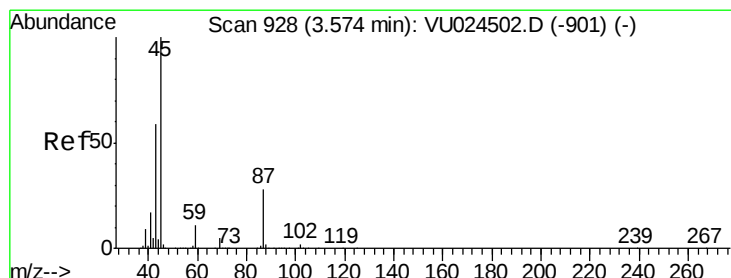
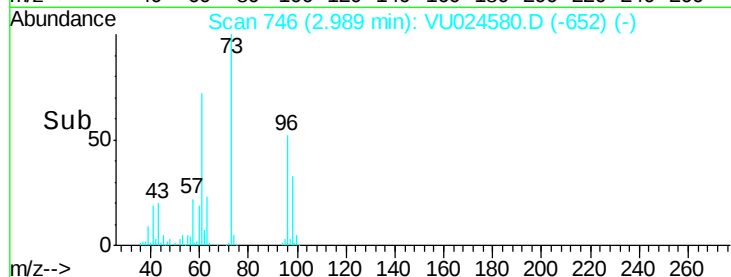
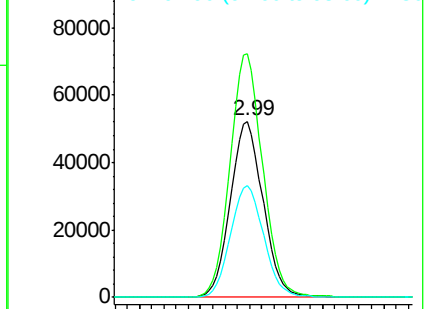
96 100

61 138.5 119.4 179.0

98 63.4 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: 47.575 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Tgt Ion: 45 Resp: 323509

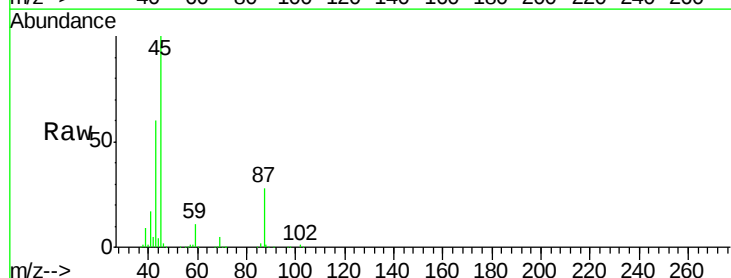
Ion Ratio Lower Upper

45 100

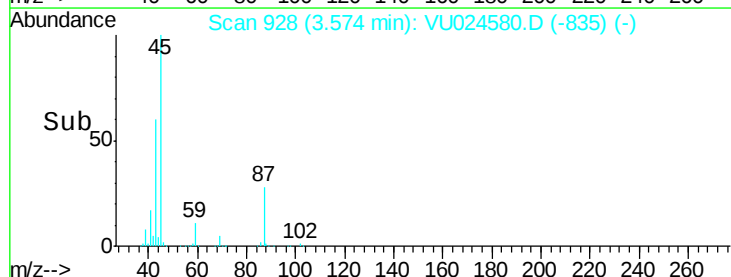
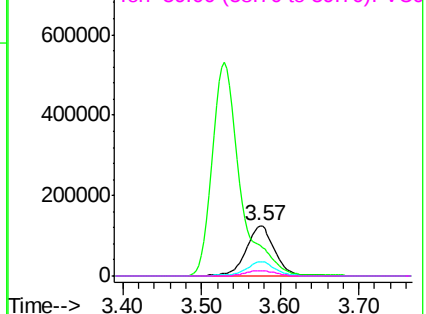
43 59.4 45.8 68.6

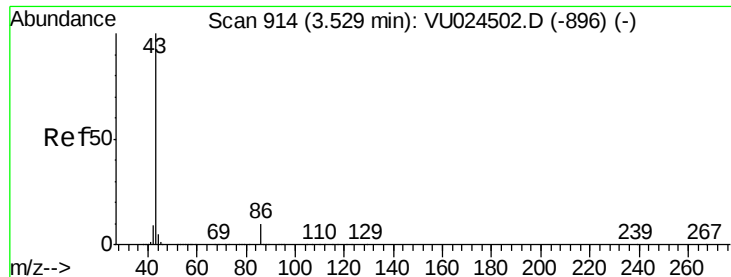
87 27.7 20.6 31.0

59 11.1 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: 212.789 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

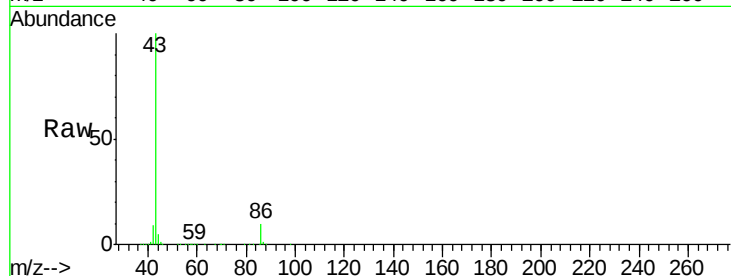
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1296184

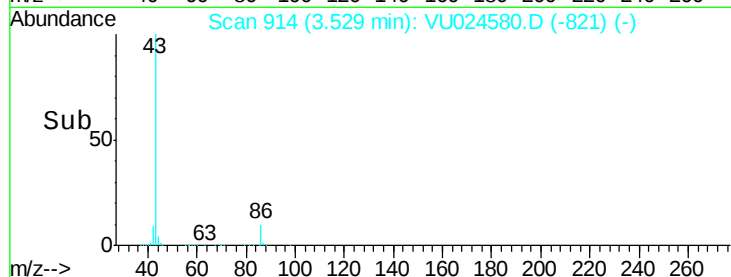
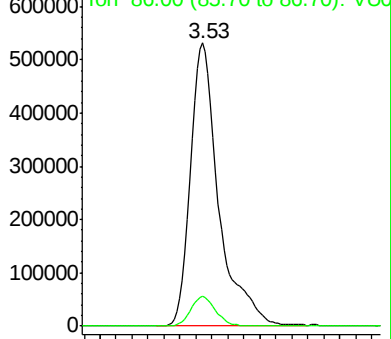
Ion Ratio Lower Upper

43 100

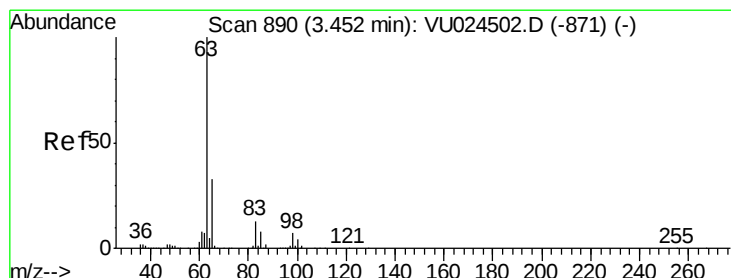
86 10.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU024580.D (-821) (-)



Time-->



#24

1,1-Dichloroethane

Concen: 46.588 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

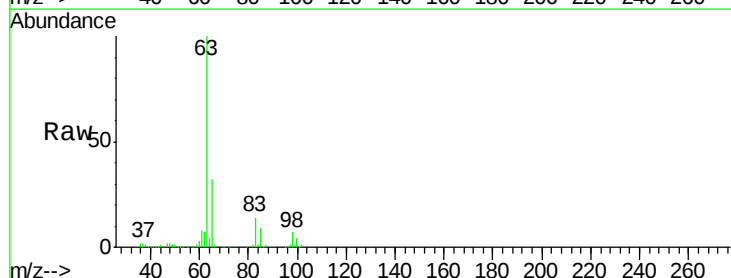
Tgt Ion: 63 Resp: 182246

Ion Ratio Lower Upper

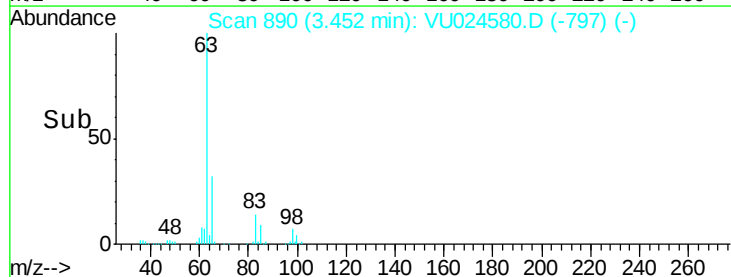
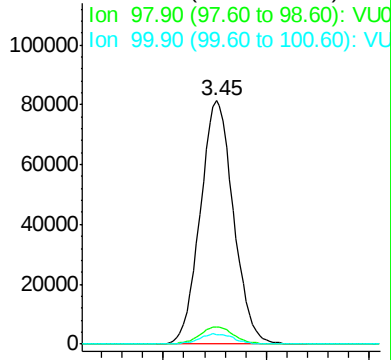
63 100

98 7.0 3.5 10.4

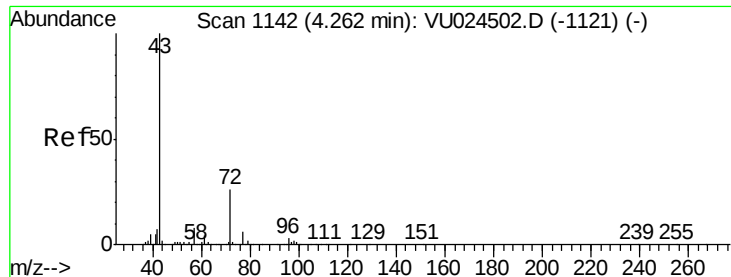
100 4.1 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU024580.D (-797) (-)



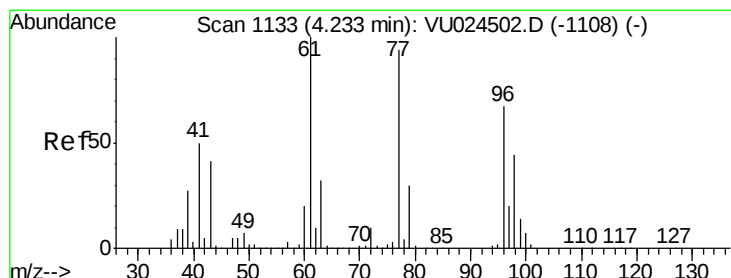
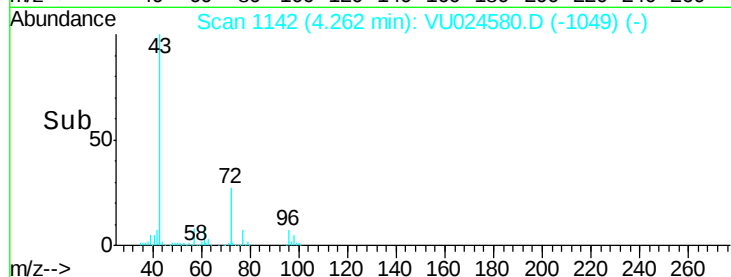
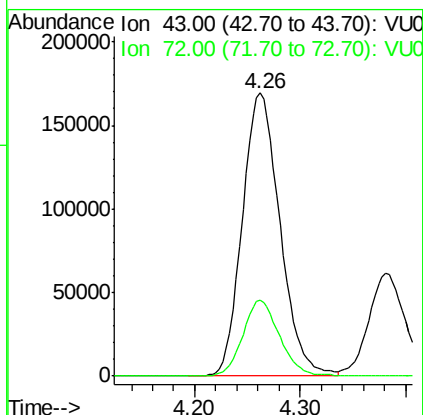
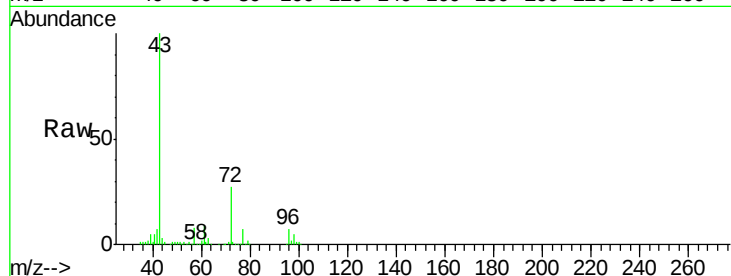
Time-->



#25
2-Butanone
Concen: 218.511 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

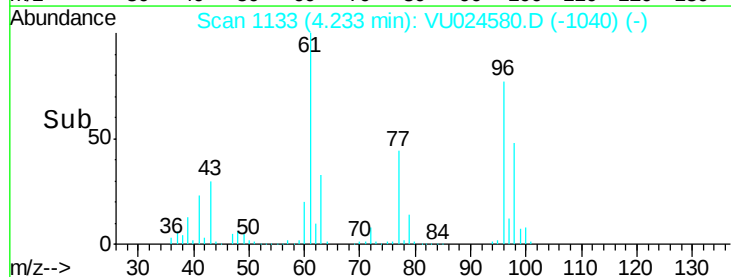
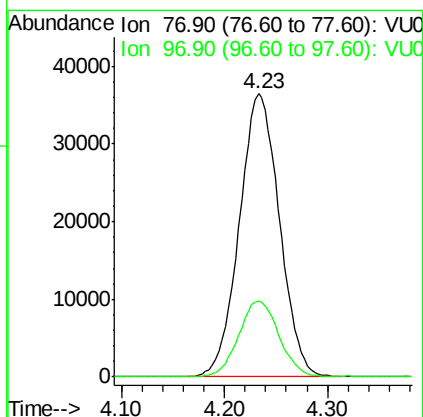
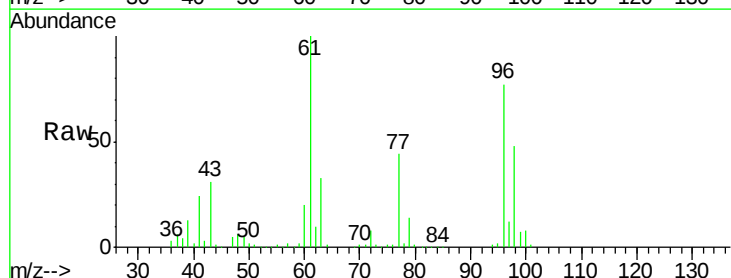
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 417722
Ion Ratio Lower Upper
43 100
72 26.8 19.6 29.4



#26
2,2-Dichloropropane
Concen: 26.550 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

Tgt Ion: 77 Resp: 98621
Ion Ratio Lower Upper
77 100
97 27.0 11.3 33.8

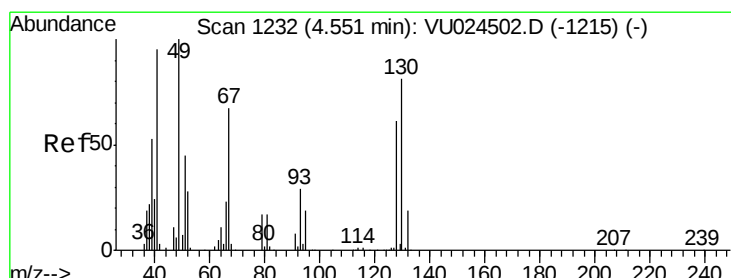
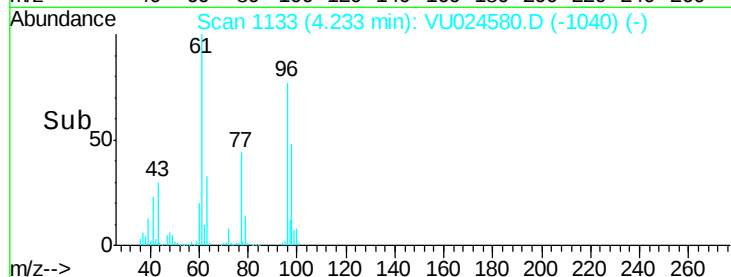
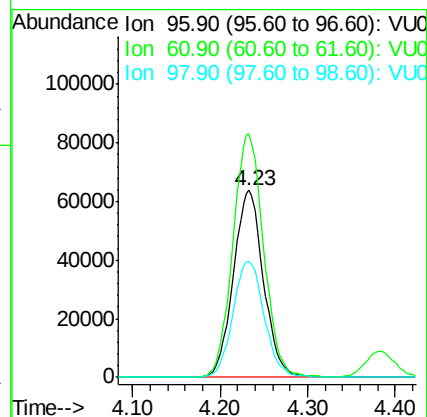
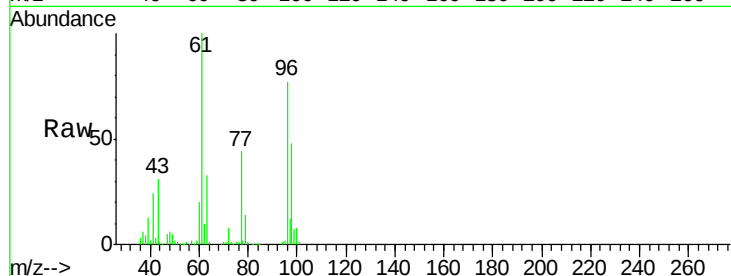




#27
 cis-1,2-Dichloroethene
 Concen: 65.165 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

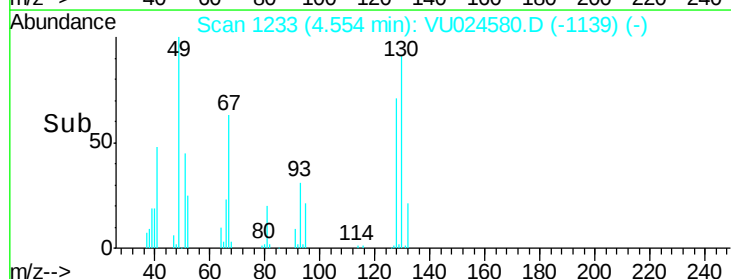
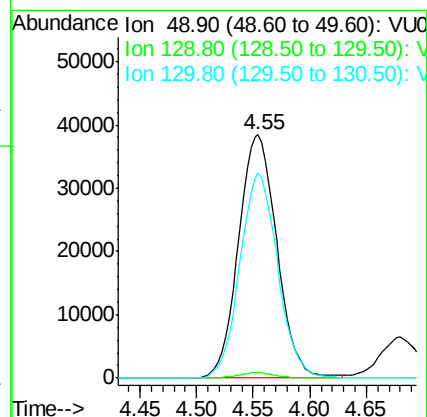
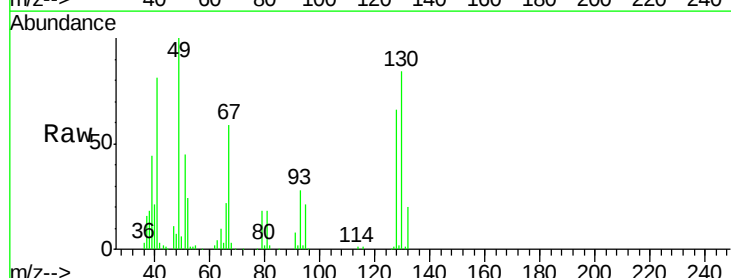
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 152444
 Ion Ratio Lower Upper
 96 100
 61 132.9 0.0 306.6
 98 64.4 0.0 128.8



#28
 Bromochloromethane
 Concen: 52.665 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

Tgt Ion: 49 Resp: 90744
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.8
 130 83.1 57.8 86.6





#29

Tetrahydrofuran

Concen: 232.555 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

ClientSampled :

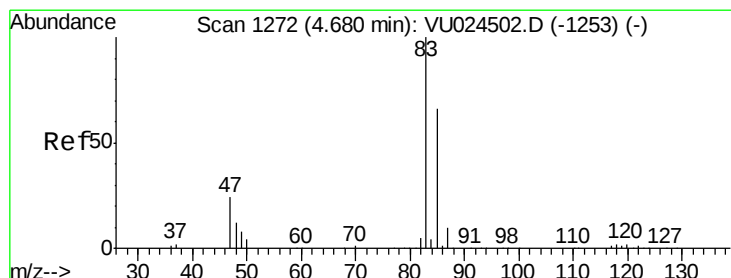
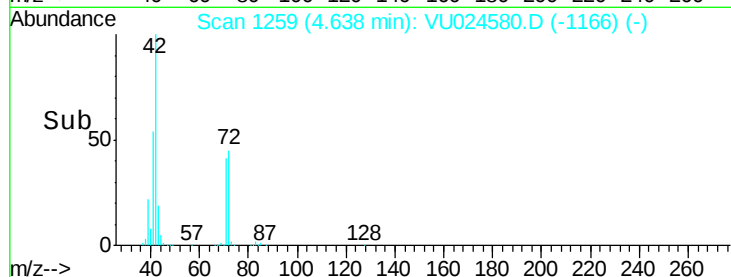
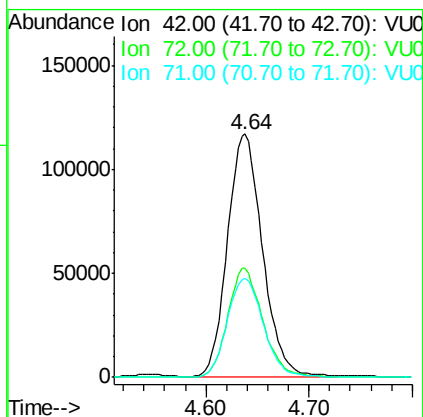
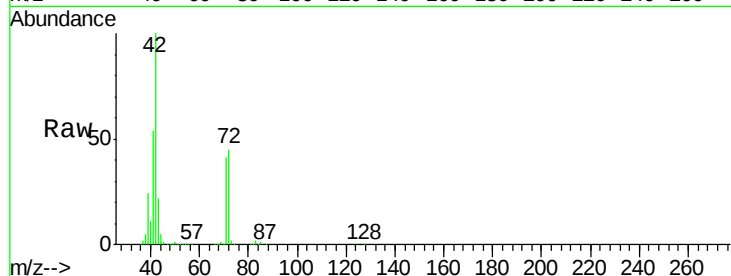
Tot Ion: 42 Resp: 275308

Ion Ratio Lower Upper

42 100

72 45.2 34.5 51.7

71 42.6 32.2 48.4



#30

Chloroform

Concen: 47.350 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU024580.D

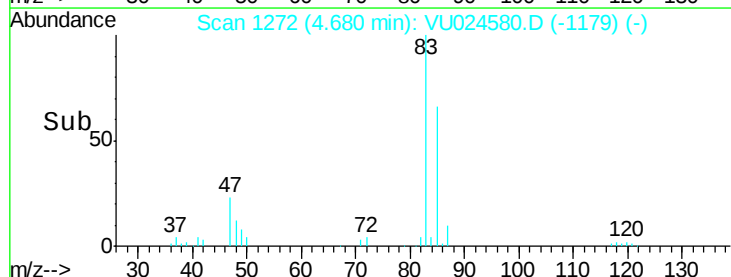
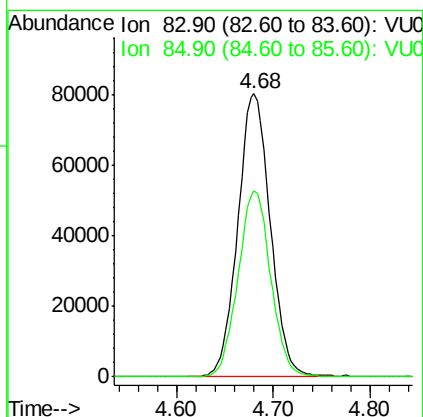
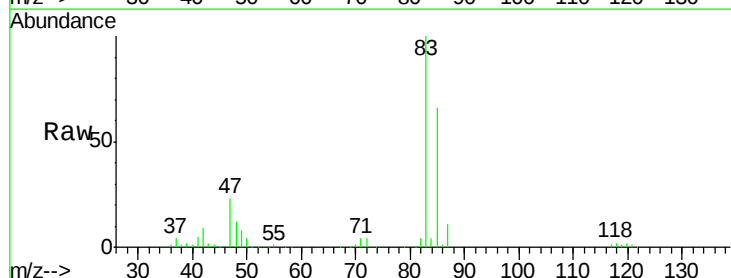
Acq: 15 Jun 2018 07:31

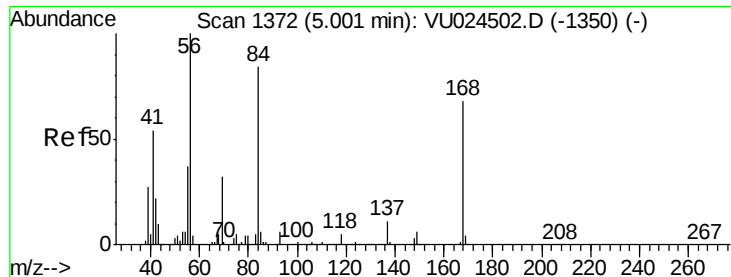
Tgt Ion: 83 Resp: 187478

Ion Ratio Lower Upper

83 100

85 65.9 52.4 78.6

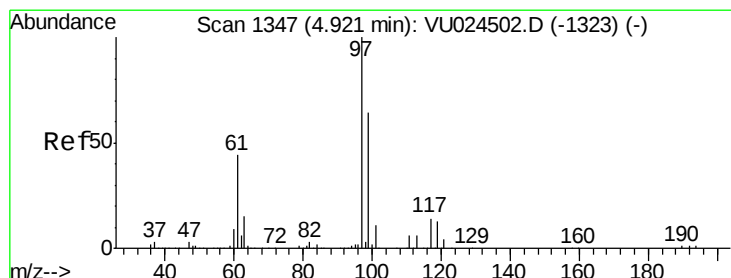
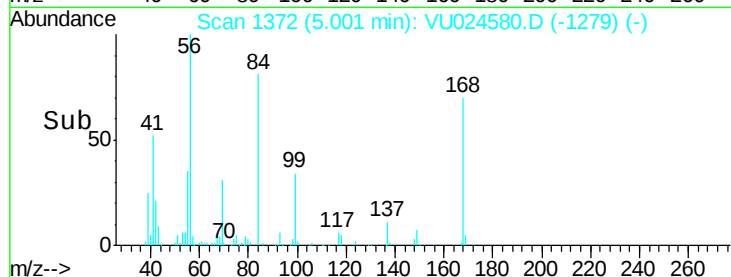
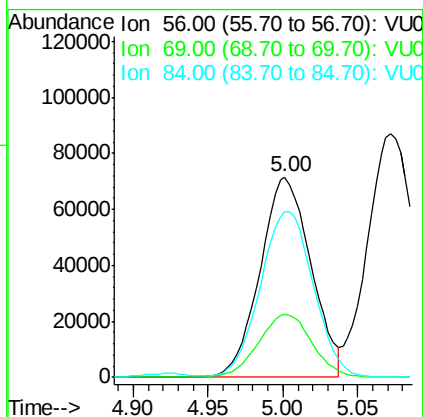
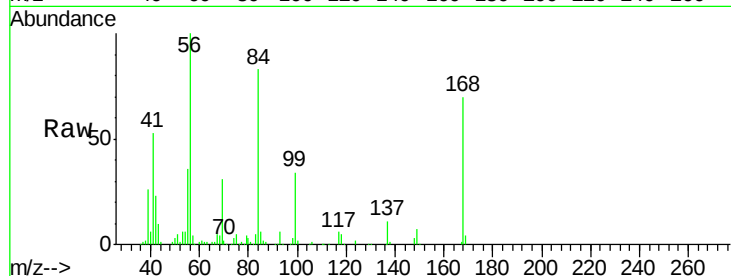




#31
Cyclohexane
Concen: 48.598 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

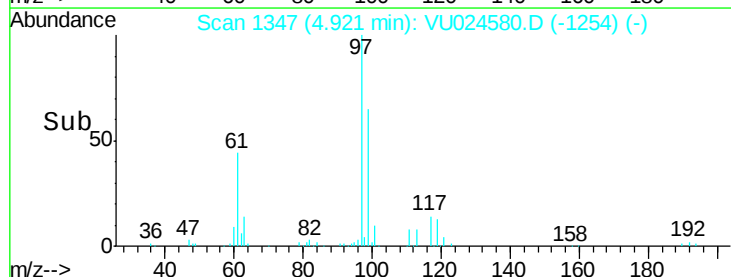
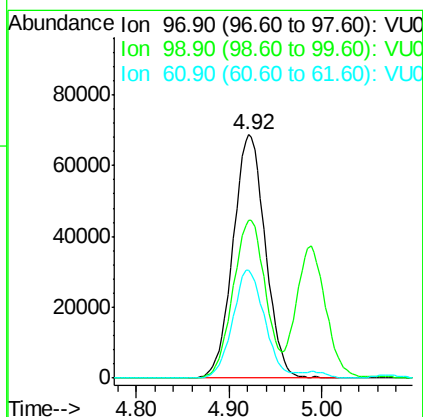
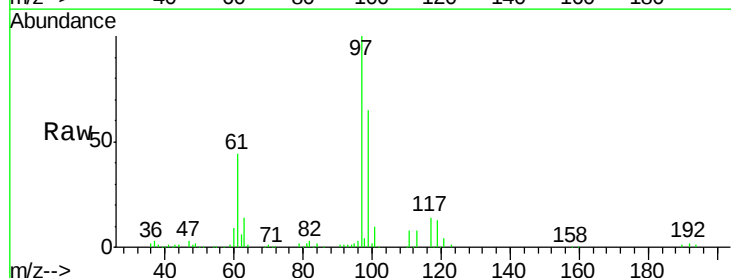
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 169013
Ion Ratio Lower Upper
56 100
69 31.2 24.8 37.2
84 81.6 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 45.301 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

Tgt Ion: 97 Resp: 165866
Ion Ratio Lower Upper
97 100
99 65.3 51.0 76.6
61 44.0 39.4 59.0

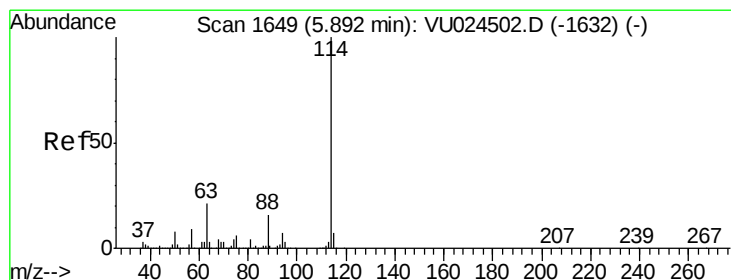
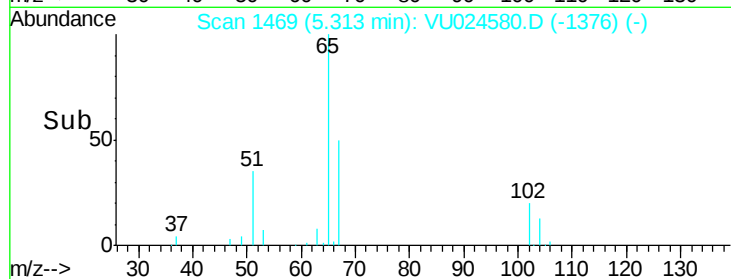
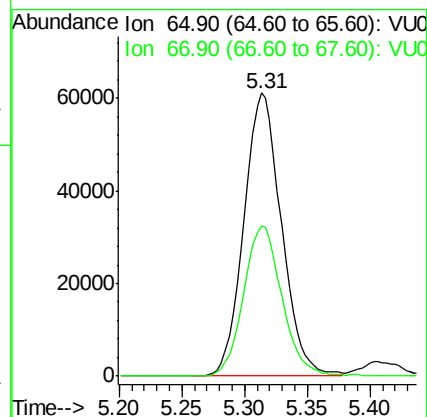
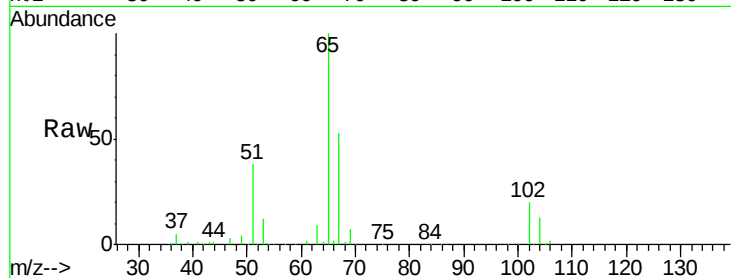




#33
 1,2-Dichloroethane-d4
 Concen: 47.914 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

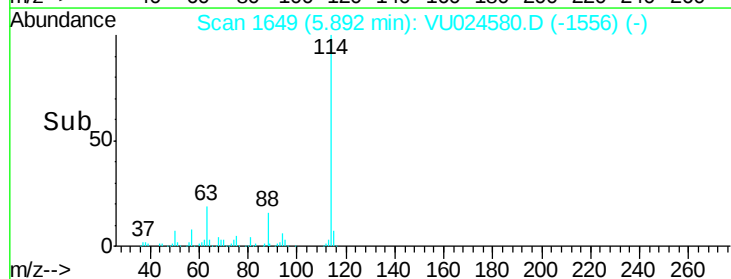
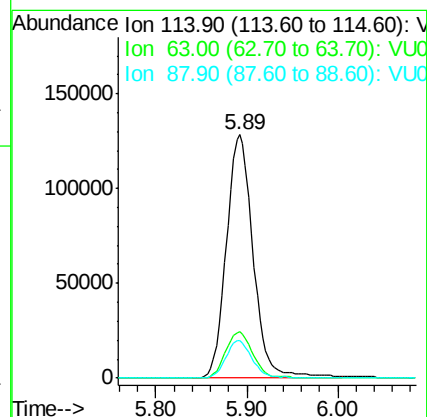
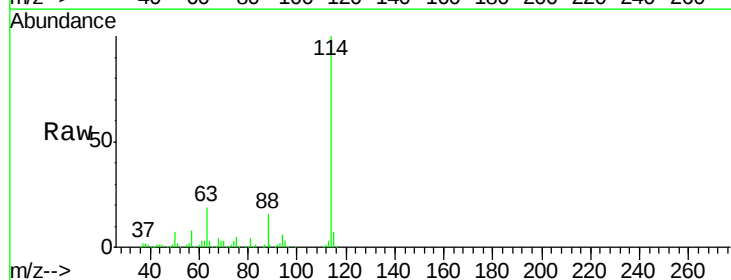
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 126915
 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: VU024580.D
 Acq: 15 Jun 2018 07:31

Tgt Ion: 114 Resp: 263078
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 45.4
 88 15.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 51.314 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

ClientSampleId :

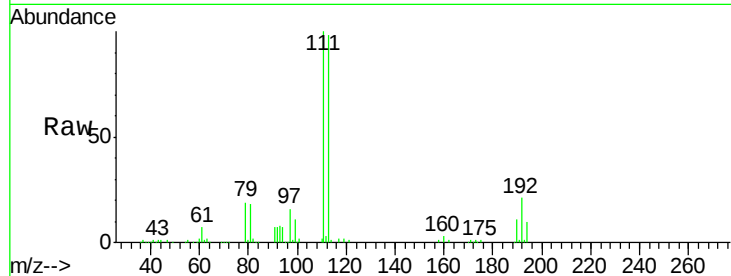
Tot Ion:113 Resp: 112037

Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.4

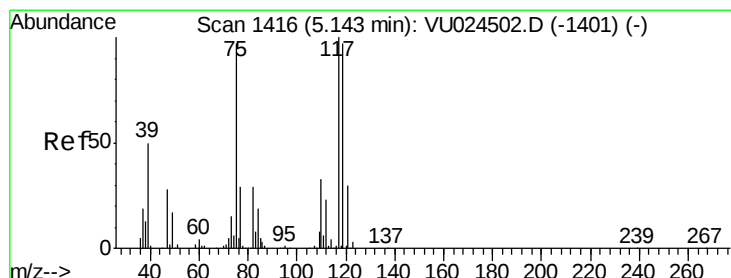
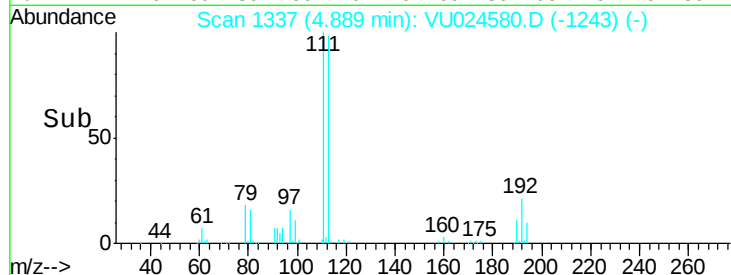
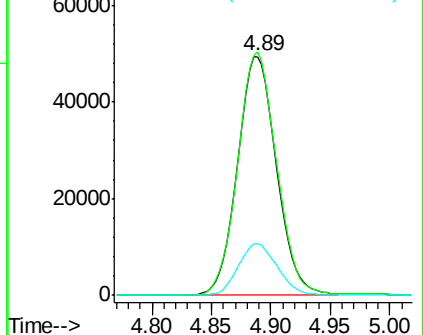
192 21.8 16.2 24.4



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: 44.845 ug/l

RT: 5.14 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

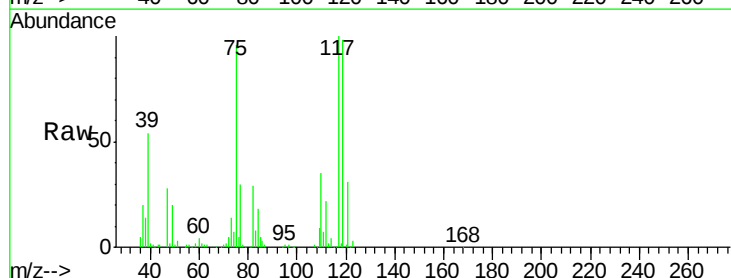
Tgt Ion: 75 Resp: 138632

Ion Ratio Lower Upper

75 100

110 36.9 17.0 50.9

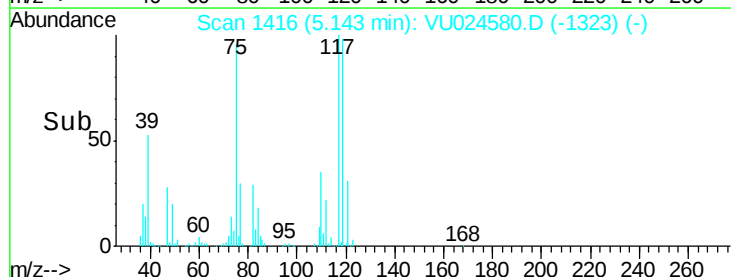
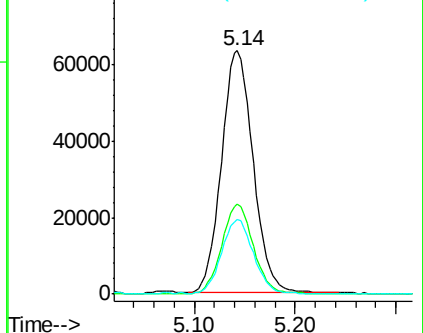
77 30.5 24.2 36.4

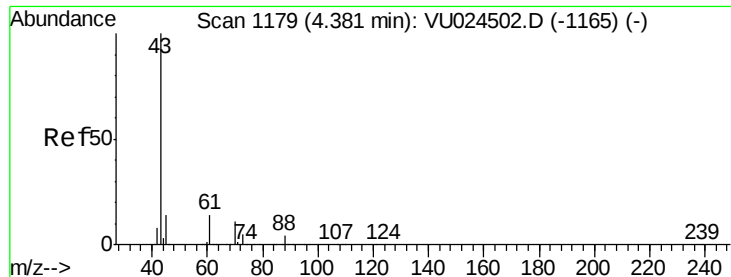


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

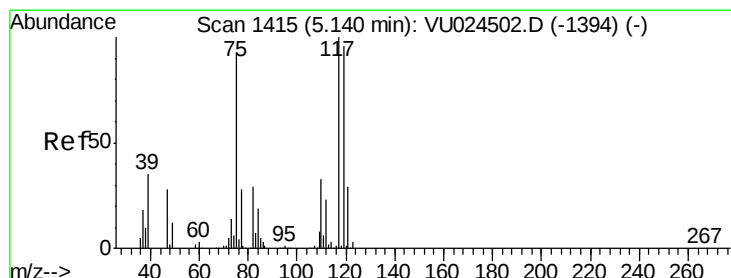
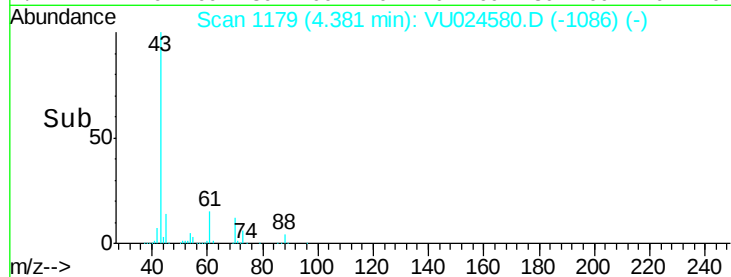
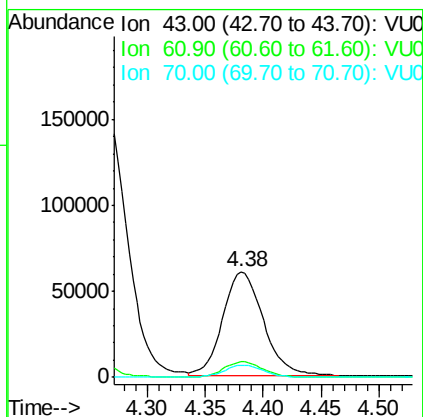
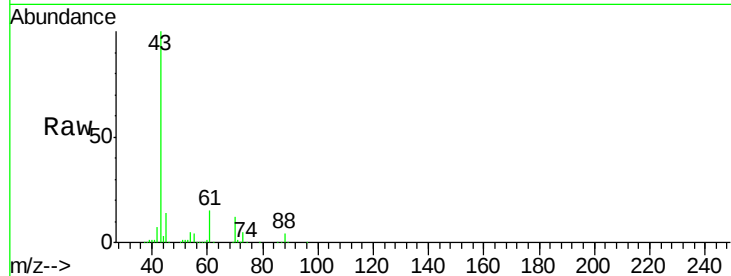




#37
Ethyl Acetate
Concen: 43.372 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

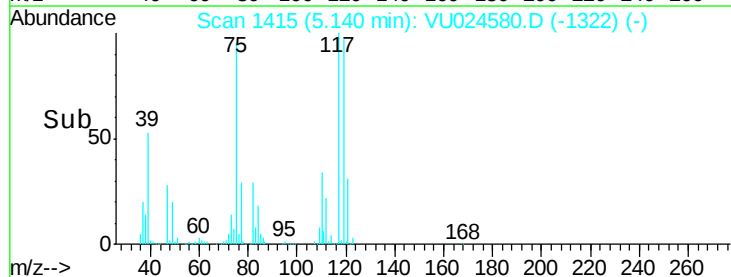
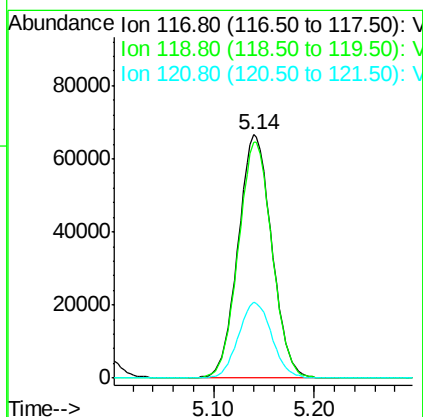
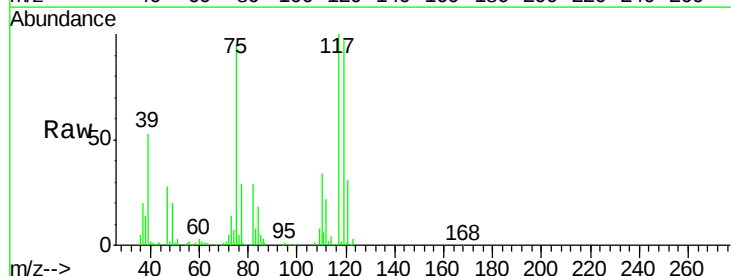
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.5	15.7
70	11.6	7.4	11.2#



#38
Carbon Tetrachloride
Concen: 45.250 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.1	114.1
121	31.0	23.7	35.5

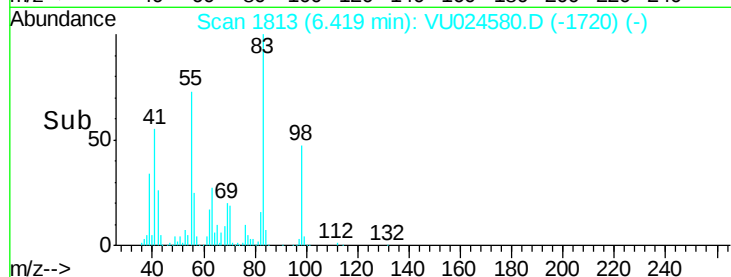
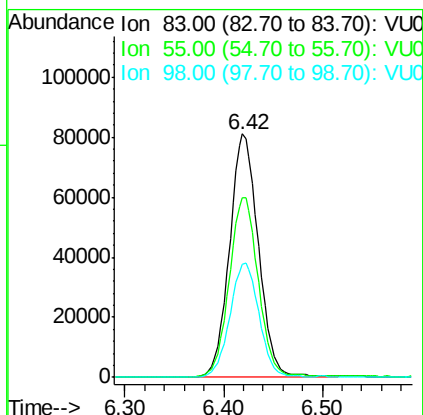
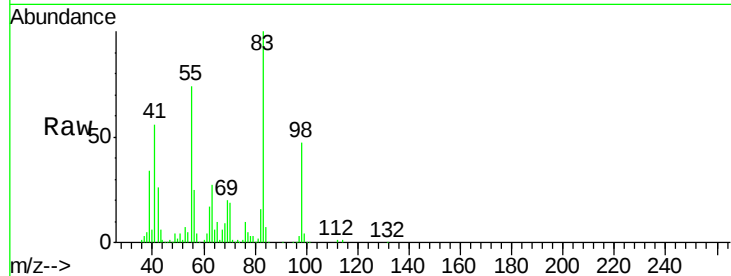




#39
Methvlcvclohexane
Concen: 42.787 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

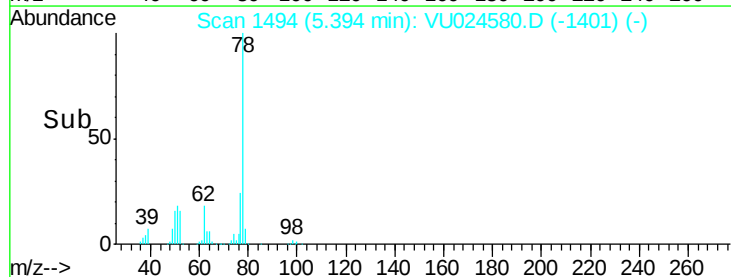
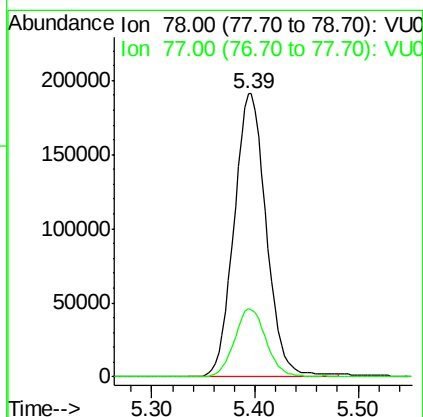
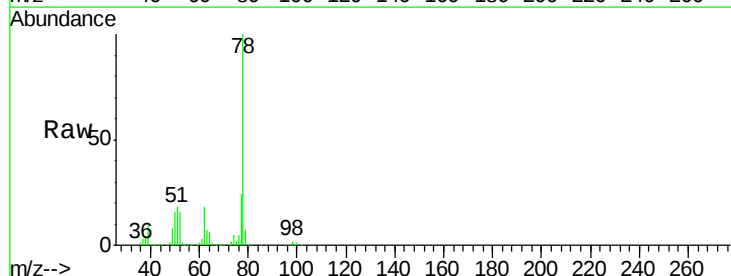
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 165062
Ion Ratio Lower Upper
83 100
55 73.5 65.8 98.6
98 46.6 36.7 55.1



#40
Benzene
Concen: 47.210 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

Tgt Ion: 78 Resp: 415861
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8

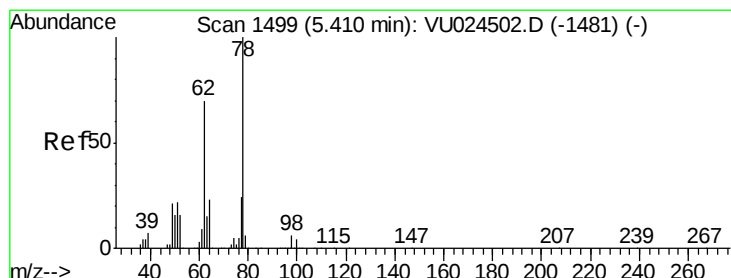
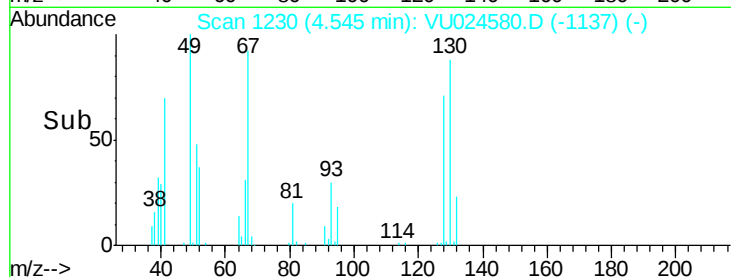
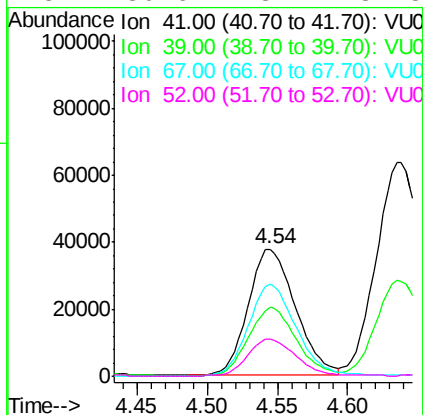
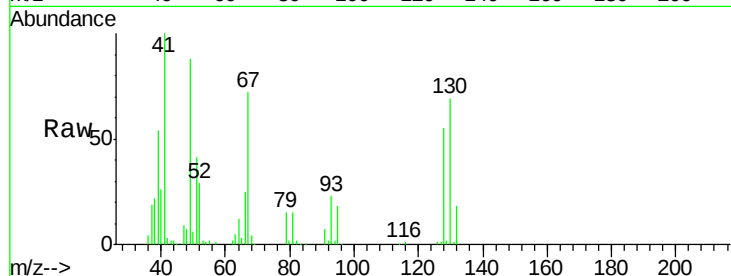




#41
Methacrylonitrile
Concen: 48.541 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

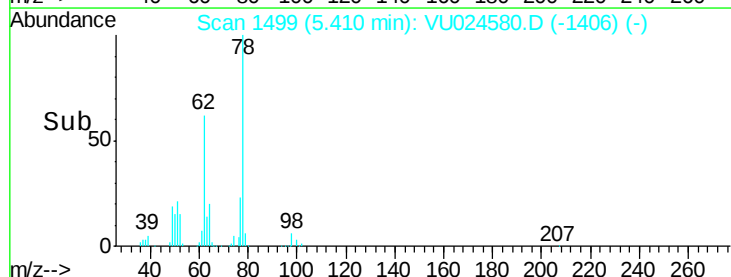
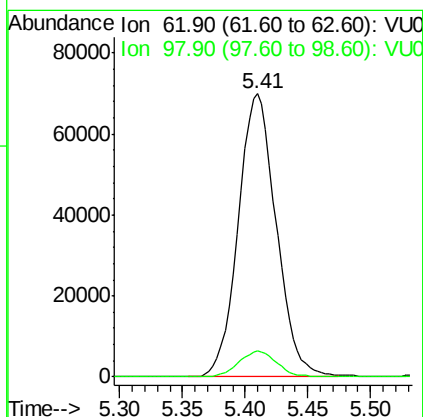
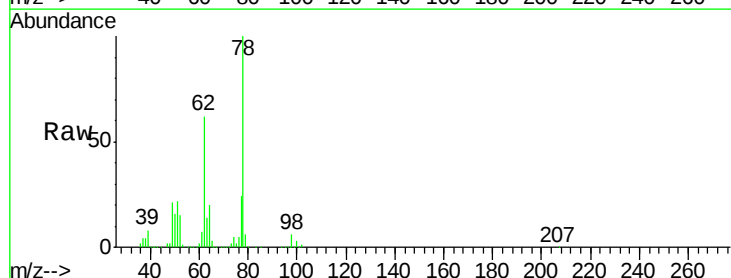
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	88182
Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.8	65.6
67	74.5	56.3	84.5
52	30.6	23.2	34.8



#42
1,2-Dichloroethane
Concen: 43.930 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

Tgt Ion:	62	Resp:	147383
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	16.6





#43

Isopropyl Acetate

Concen: 42.742 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

ClientSampled :

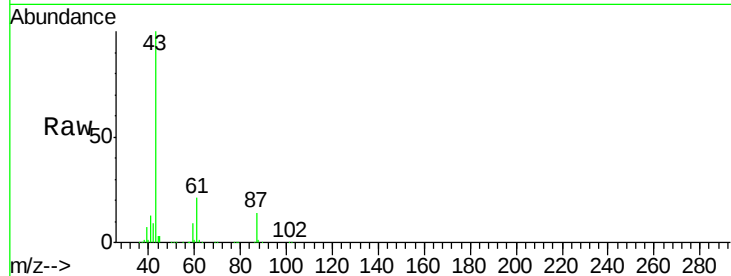
Tot Ion: 43 Resp: 248934

Ion Ratio Lower Upper

43 100

61 20.6 15.4 23.0

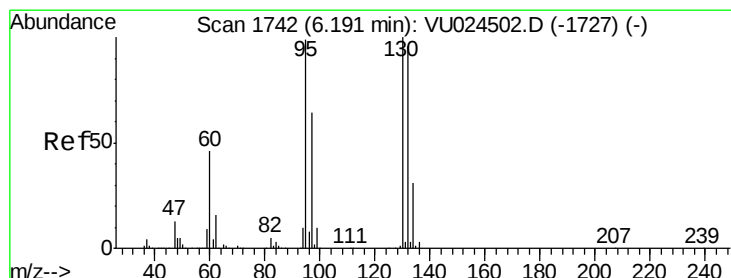
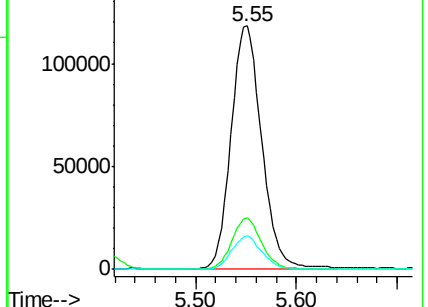
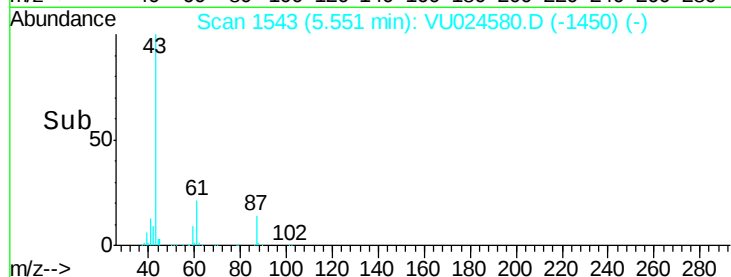
87 13.5 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VU024580.D (-1450) (-)

Ion 61.00 (60.70 to 61.70): VU024580.D (-1450) (-)

Ion 87.00 (86.70 to 87.70): VU024580.D (-1450) (-)



#44

Trichloroethene

Concen: 47.971 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024580.D

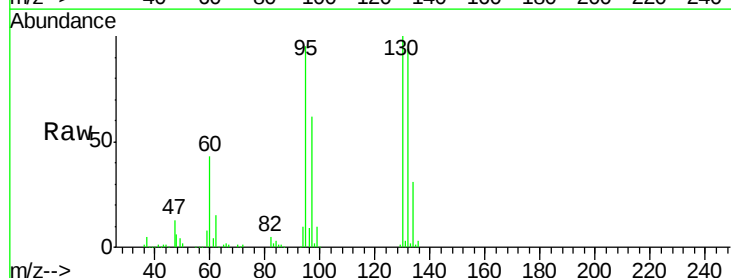
Acq: 15 Jun 2018 07:31

Tgt Ion:130 Resp: 120260

Ion Ratio Lower Upper

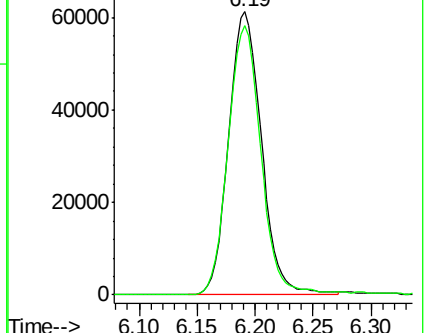
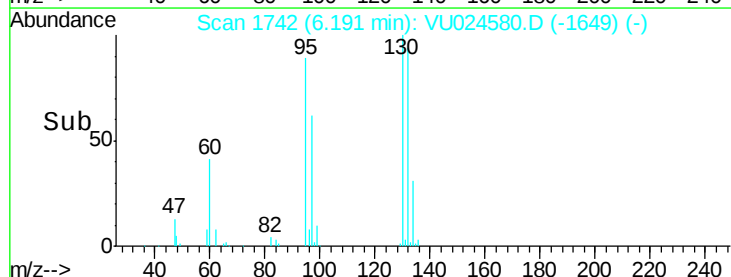
130 100

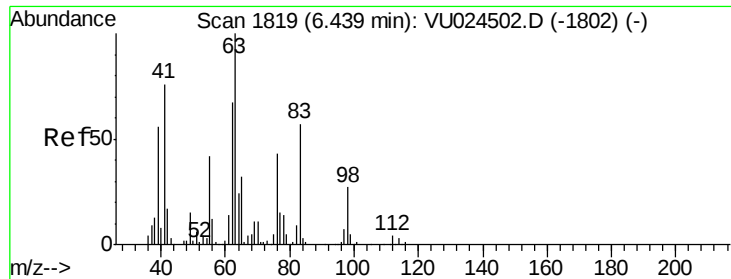
95 95.0 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024580.D (-1649) (-)

Ion 94.90 (94.60 to 95.60): VU024580.D (-1649) (-)





#45

1,2-Dichloropropane

Concen: 47.873 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

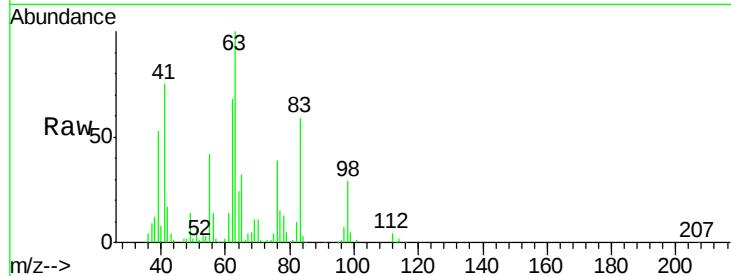
ClientSampleId :

Tot Ion: 63 Resp: 112520

Ion Ratio Lower Upper

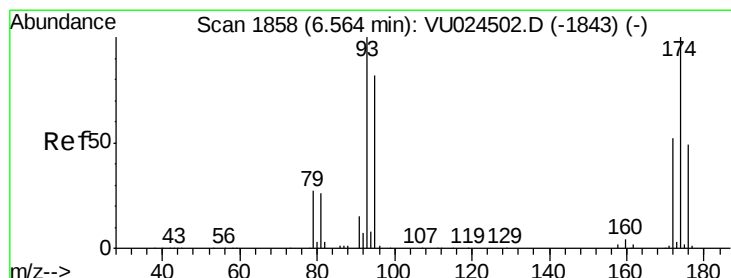
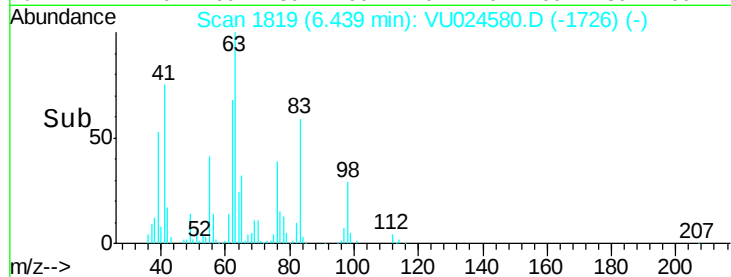
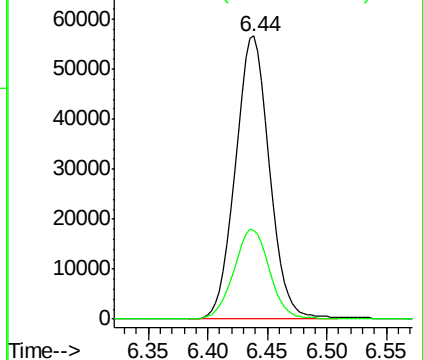
63 100

65 31.6 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 47.583 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

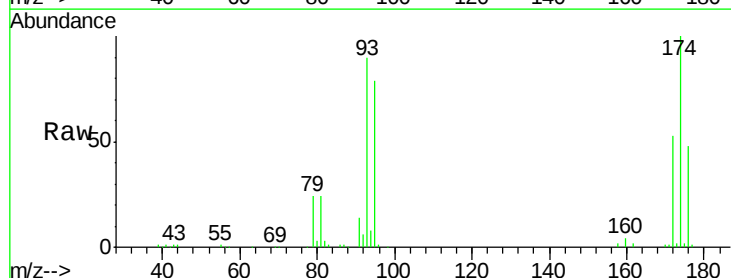
Tgt Ion: 93 Resp: 78556

Ion Ratio Lower Upper

93 100

95 85.7 65.5 98.3

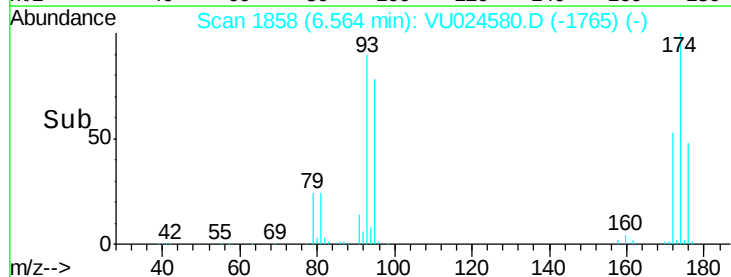
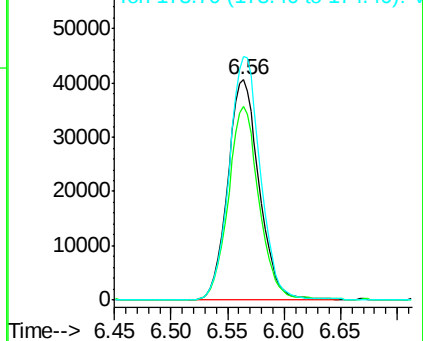
174 109.9 78.7 118.1



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 46.597 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :
MSVOA_D
ClientSampleId :

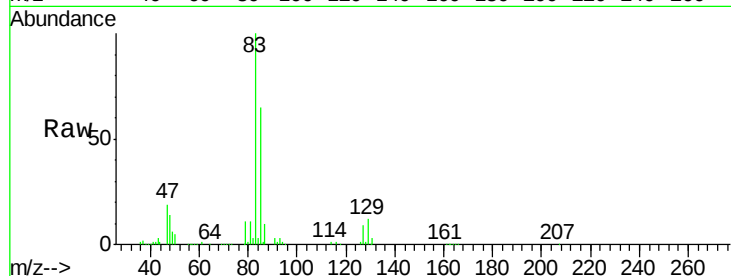
Tot Ion: 83 Resp: 153185

Ion Ratio Lower Upper

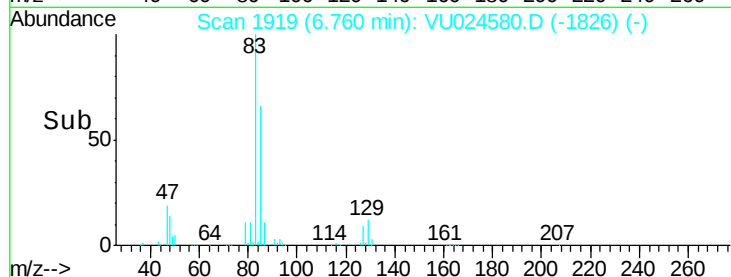
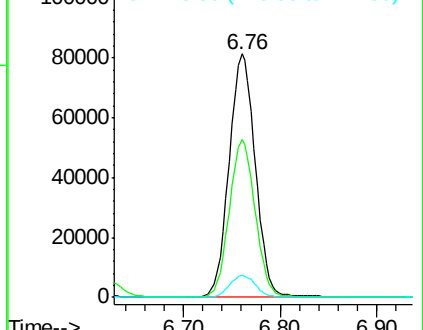
83 100

85 64.6 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: 45.395 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

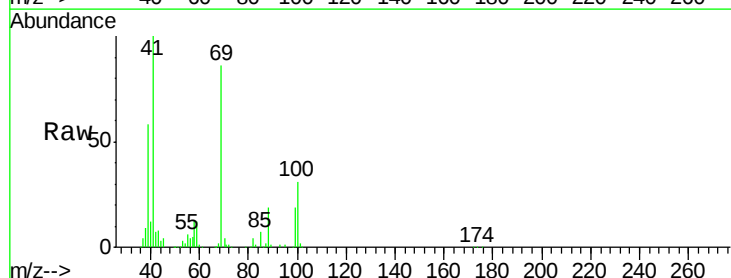
Tgt Ion: 41 Resp: 128739

Ion Ratio Lower Upper

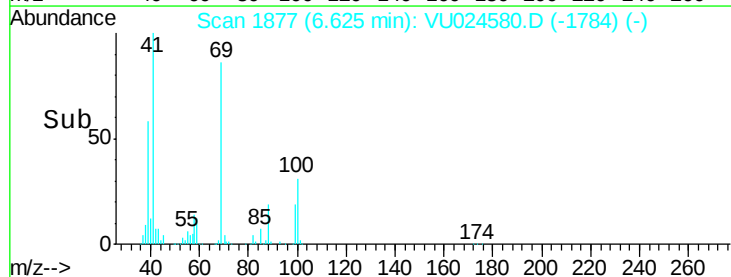
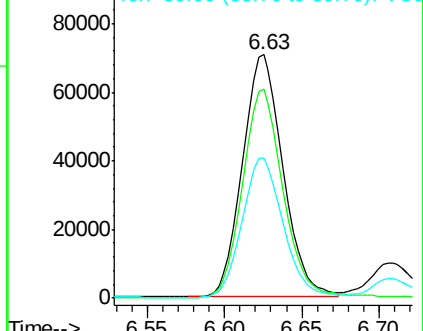
41 100

69 86.7 67.3 100.9

39 58.1 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

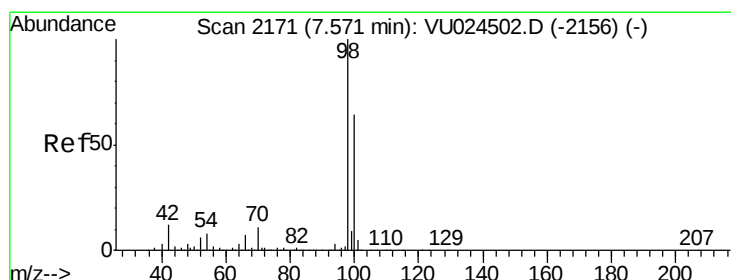
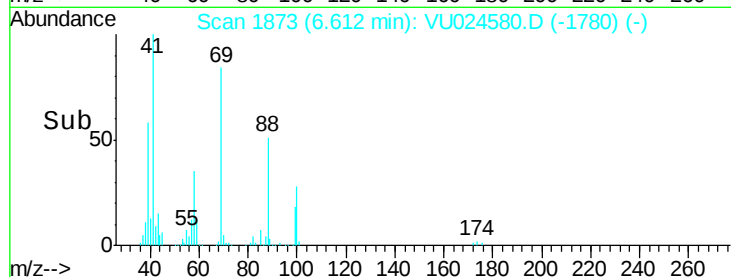
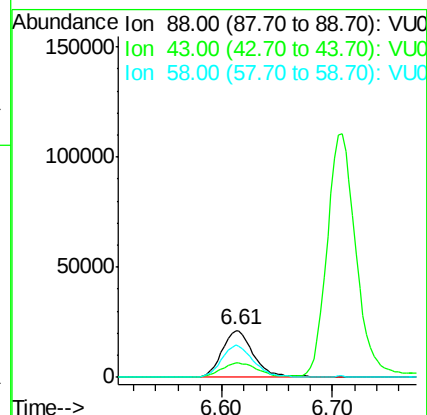
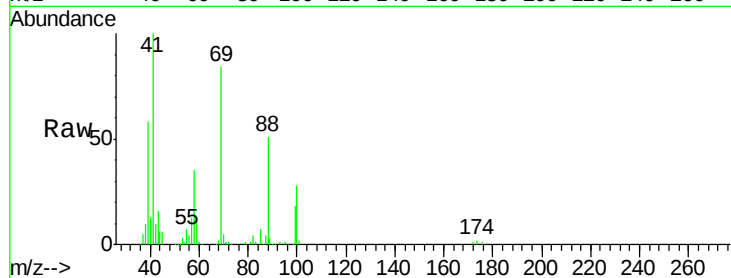




#49
 1,4-Dioxane
 Concen: 742.300 ug/l
 RT: 6.61 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

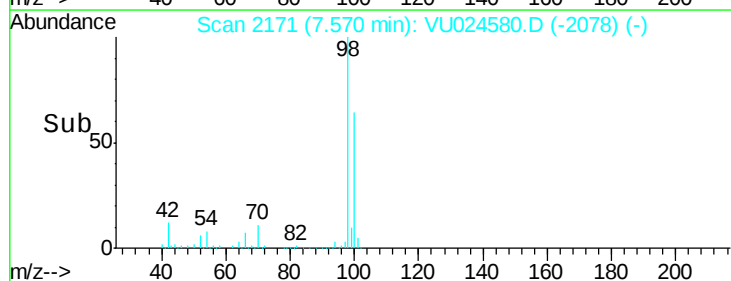
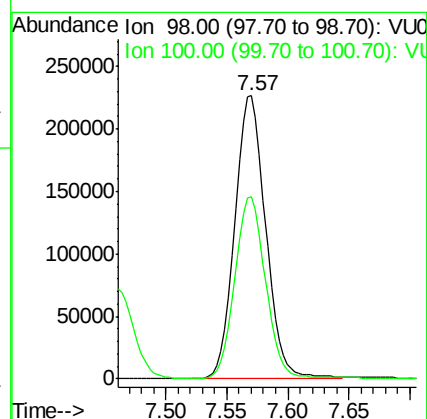
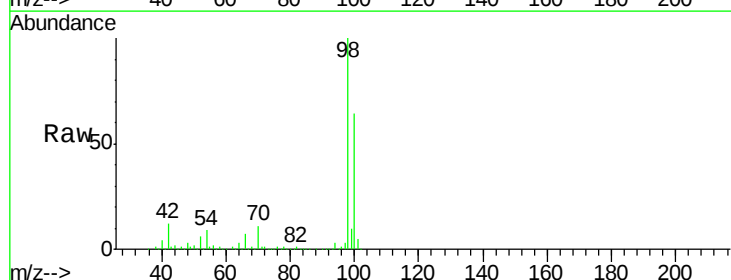
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 41169
 Ion Ratio Lower Upper
 88 100
 43 33.0 28.6 42.8
 58 71.3 58.2 87.4



#50
 Toluene-d8
 Concen: 50.334 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

Tgt Ion: 98 Resp: 400857
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.1 76.7

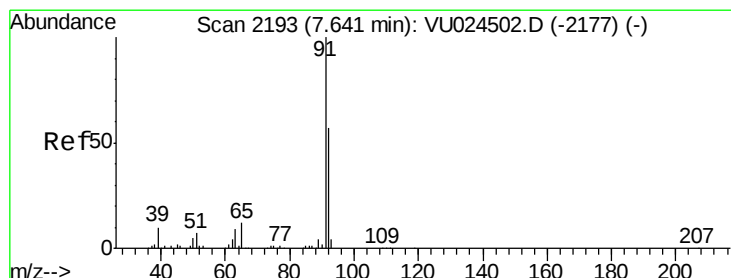
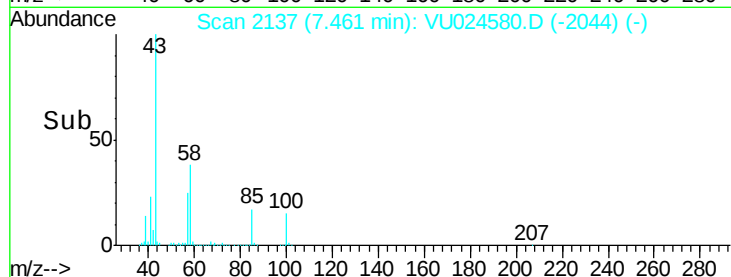
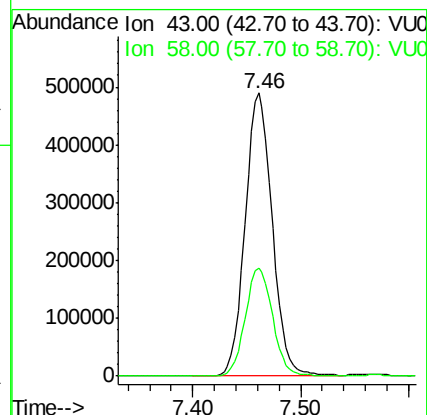
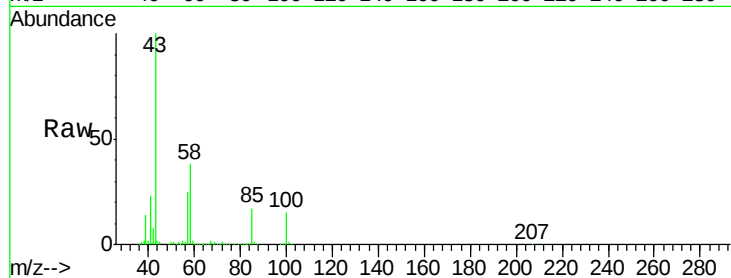




#51
4-Methyl-2-Pentanone
Concen: 233.723 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

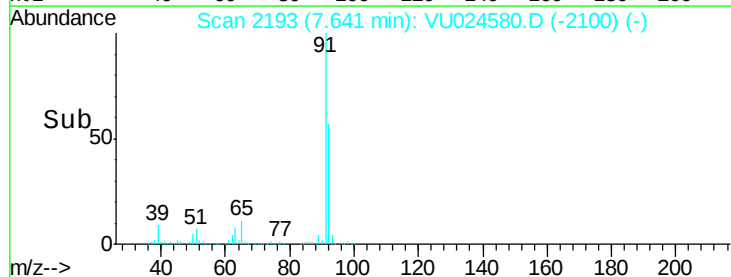
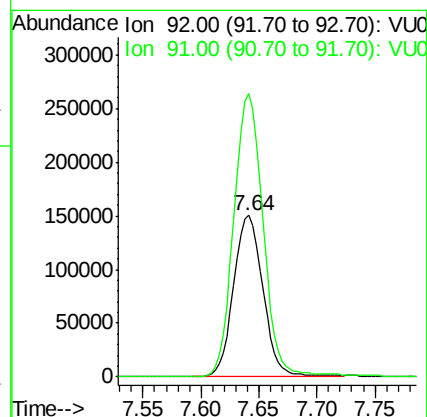
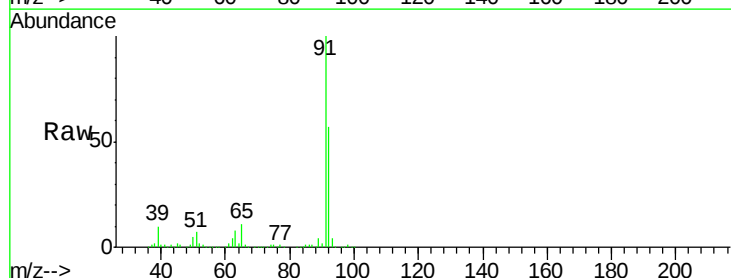
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 855193
Ion Ratio Lower Upper
43 100
58 38.7 30.0 45.0



#52
Toluene
Concen: 46.870 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

Tgt Ion: 92 Resp: 265622
Ion Ratio Lower Upper
92 100
91 175.4 140.5 210.7

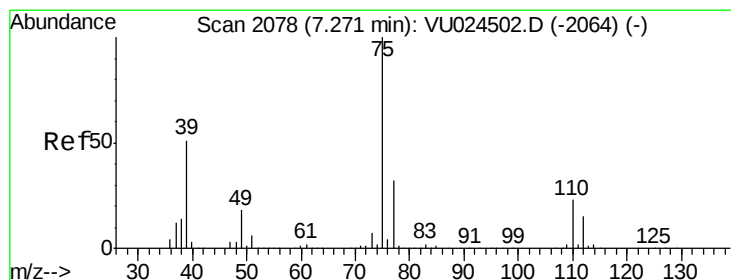
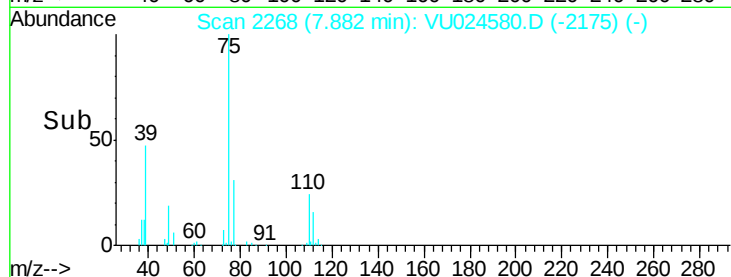
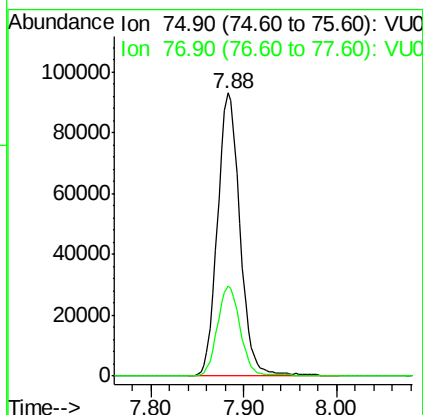
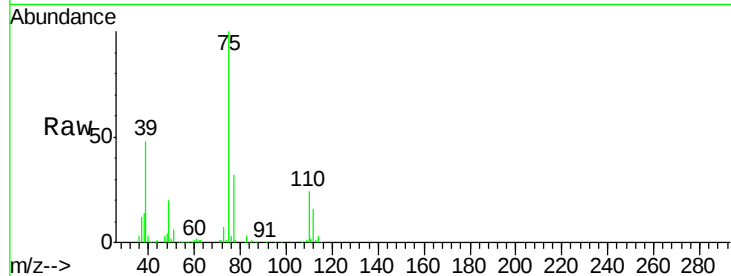




#53
t-1,3-Dichloropropene
Concen: 42.675 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

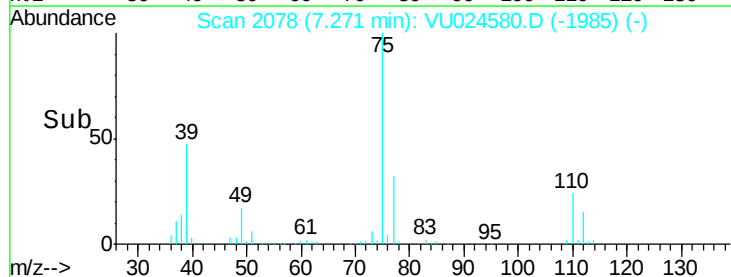
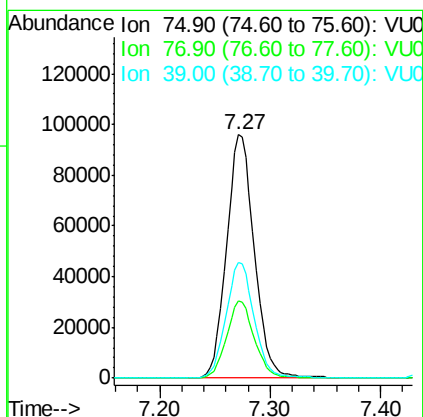
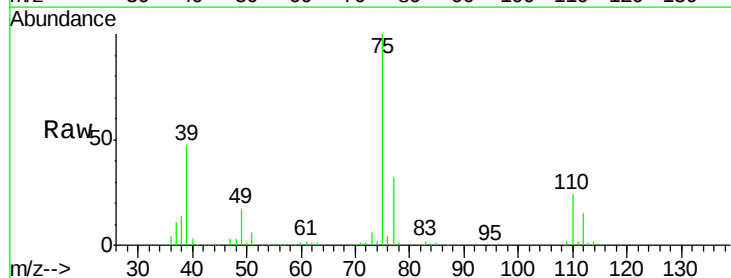
Instrument :
MSVOA_D
ClientSampleId :

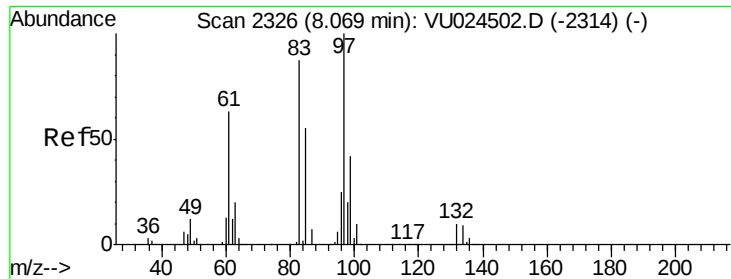
Tot Ion: 75 Resp: 157549
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 42.567 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

Tgt Ion: 75 Resp: 167455
Ion Ratio Lower Upper
75 100
77 31.5 24.6 36.8
39 47.3 39.8 59.6

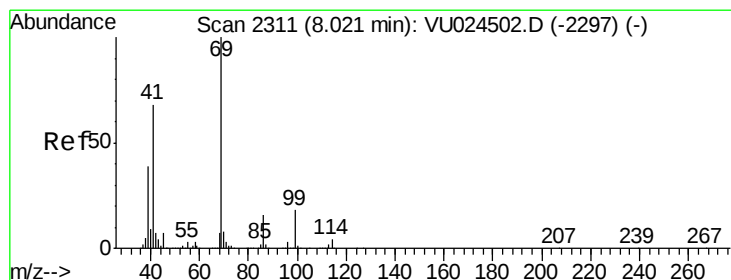
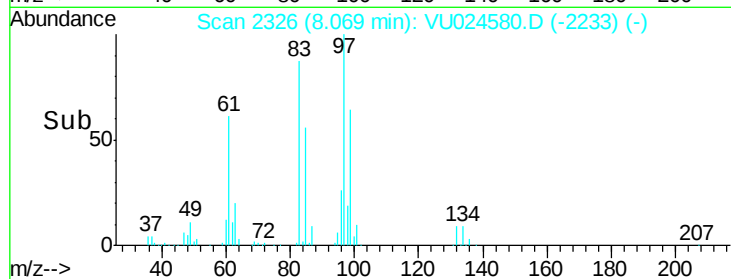
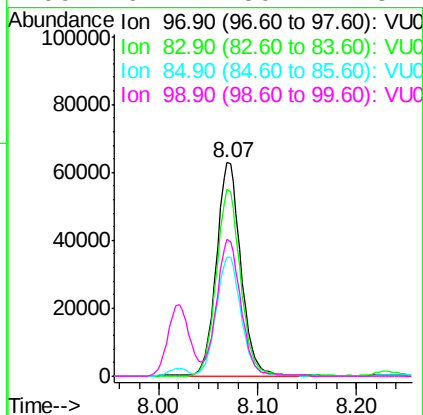
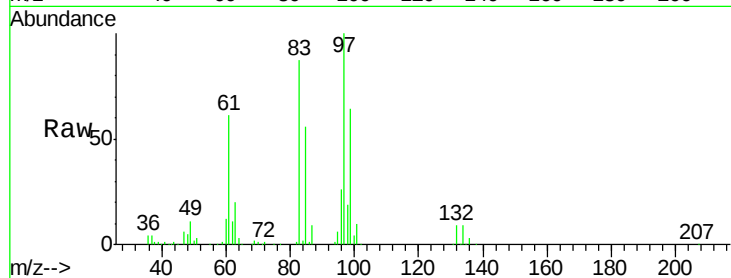




#55
 1,1,2-Trichloroethane
 Concen: 47.087 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

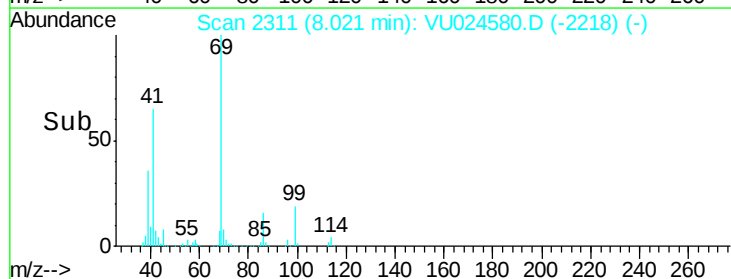
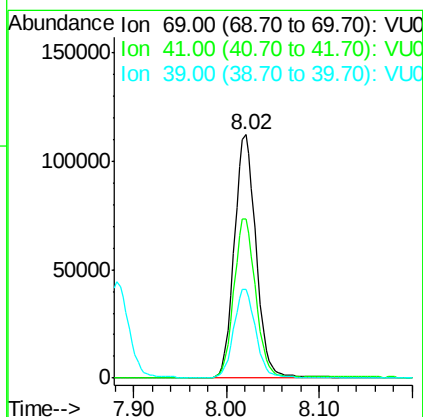
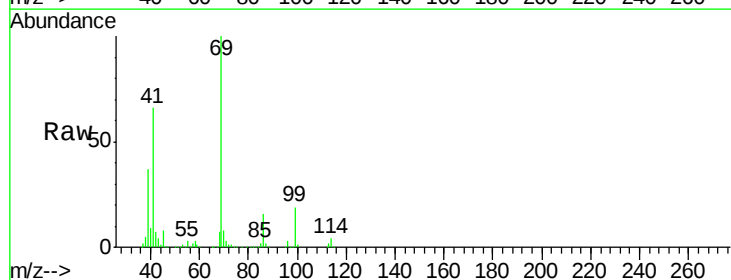
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 108472
 Ion Ratio Lower Upper
 97 100
 83 87.3 70.5 105.7
 85 56.0 46.4 69.6
 99 64.1 50.2 75.2



#56
 Ethyl methacrylate
 Concen: 47.501 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

Tgt Ion: 69 Resp: 183150
 Ion Ratio Lower Upper
 69 100
 41 64.9 54.1 81.1
 39 36.1 30.3 45.5

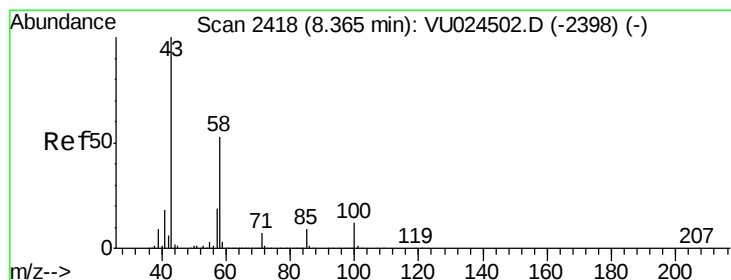
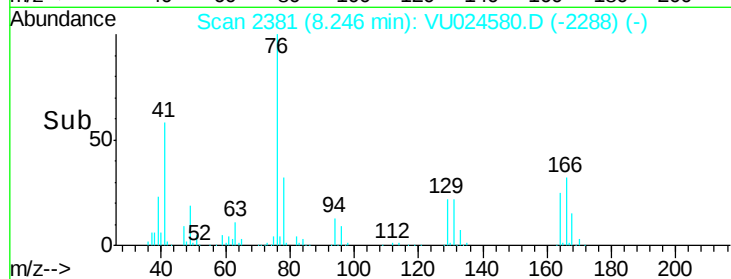
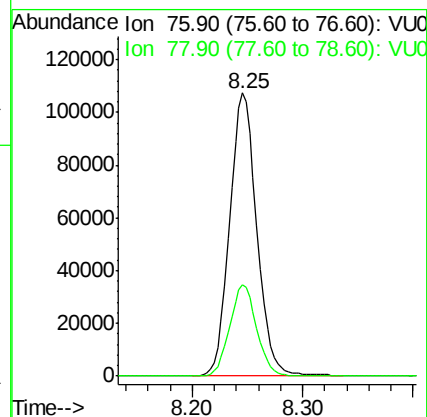
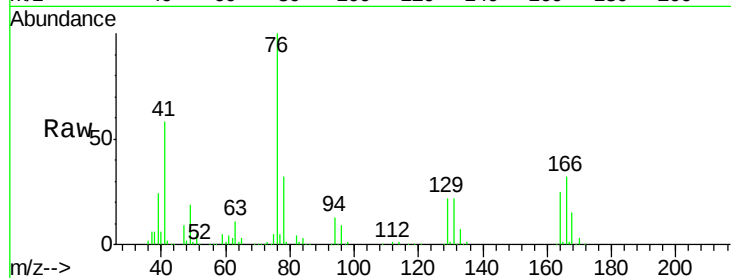




#57
 1,3-Dichloropropane
 Concen: 47.149 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

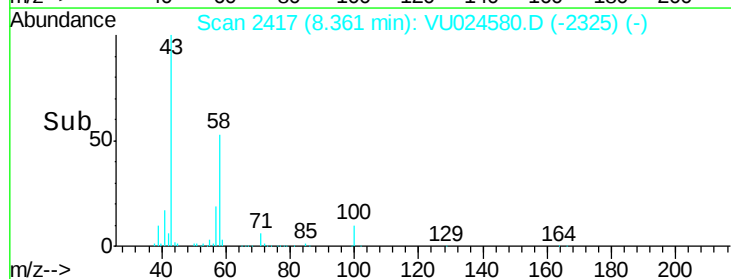
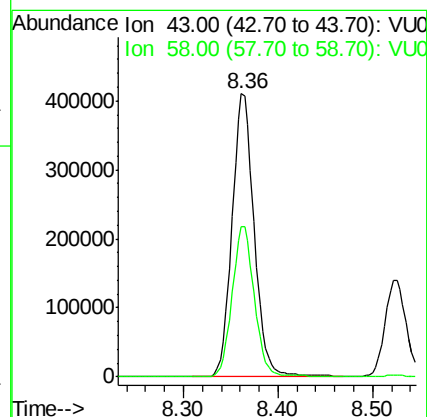
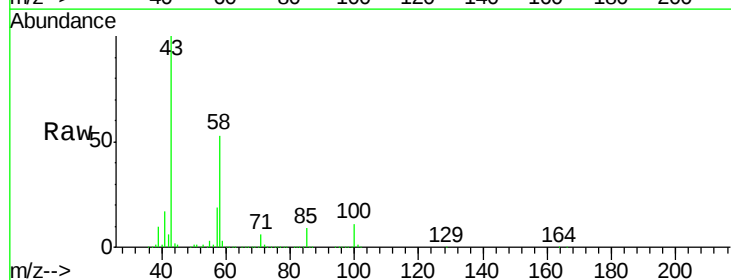
Instrument :
 MSVOA_D
 ClientSampleId :

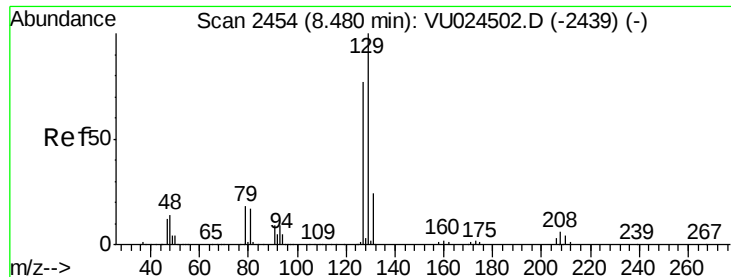
Tot Ion: 76 Resp: 183224
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8



#59
 2-Hexanone
 Concen: 223.065 ug/l
 RT: 8.36 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

Tgt Ion: 43 Resp: 666345
 Ion Ratio Lower Upper
 43 100
 58 53.4 26.4 79.0





#60

Dibromochloromethane

Concen: 45.806 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

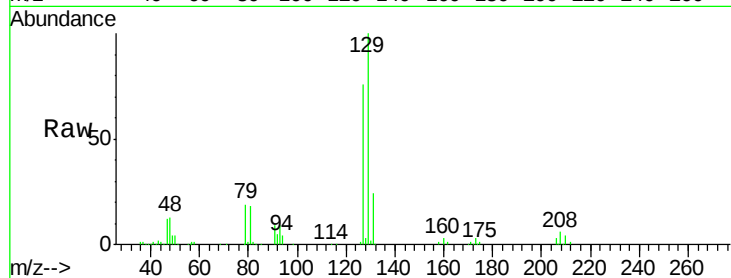
ClientSampleId :

Tot Ion:129 Resp: 131585

Ion Ratio Lower Upper

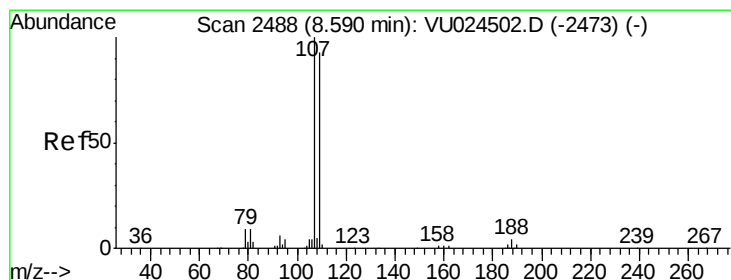
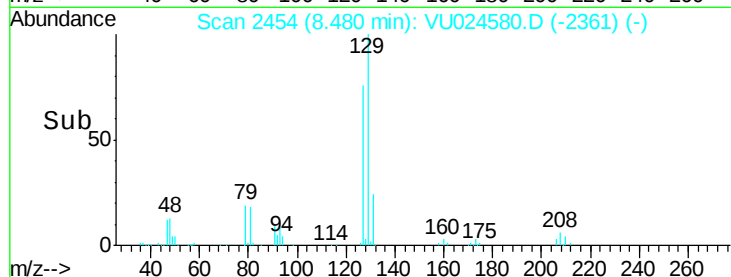
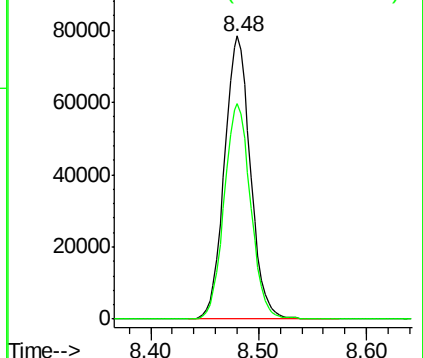
129 100

127 77.4 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 47.680 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024580.D

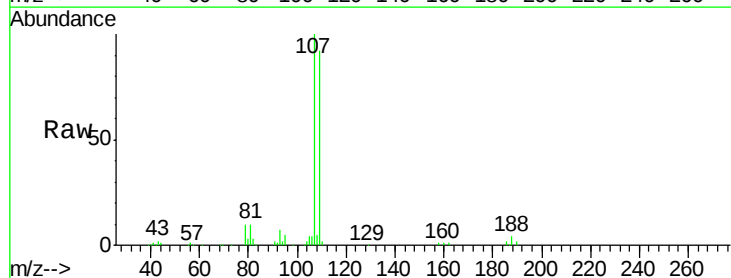
Acq: 15 Jun 2018 07:31

Tgt Ion:107 Resp: 122254

Ion Ratio Lower Upper

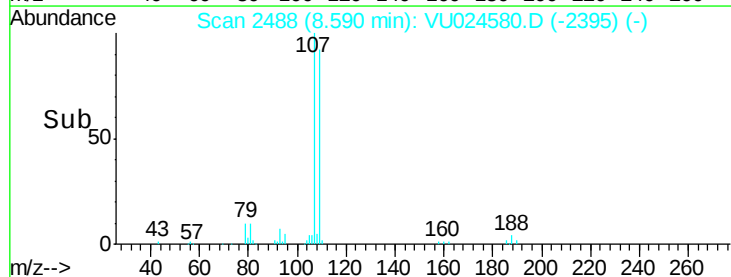
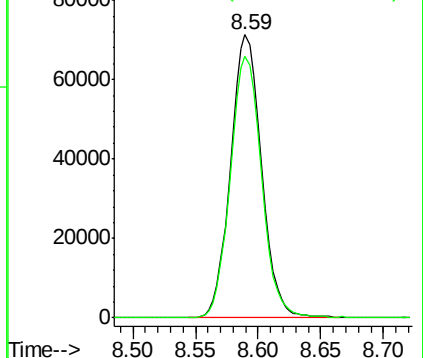
107 100

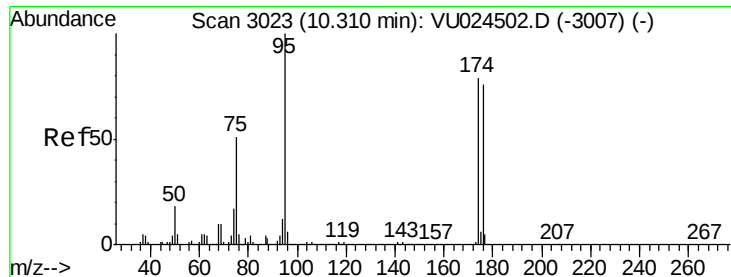
109 93.6 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 50.278 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

ClientSampleId :

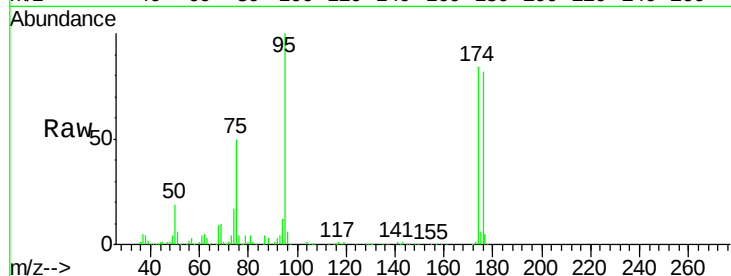
Tot Ion: 95 Resp: 158981

Ion Ratio Lower Upper

95 100

174 85.8 0.0 165.8

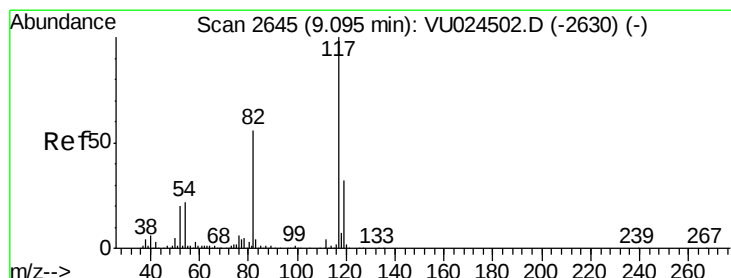
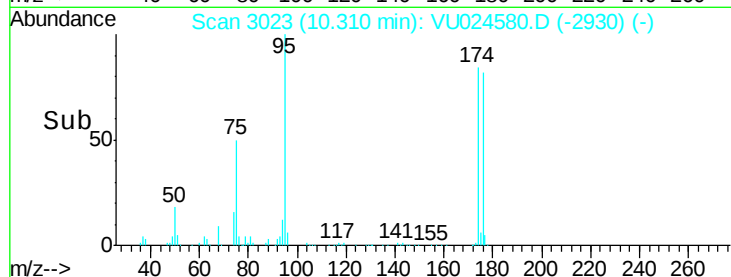
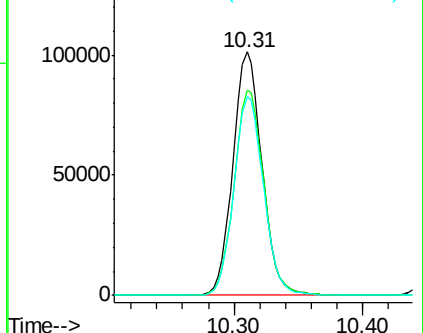
176 82.9 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024580.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU024580.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU024580.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

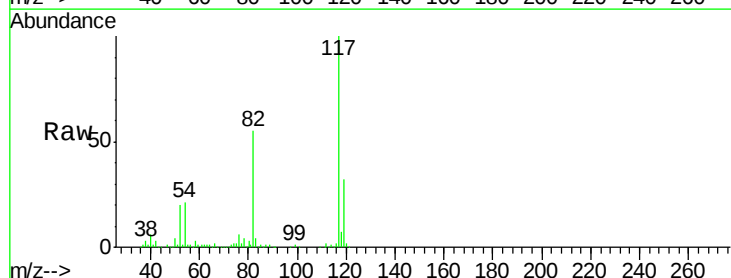
Tgt Ion: 117 Resp: 251325

Ion Ratio Lower Upper

117 100

82 55.0 44.3 66.5

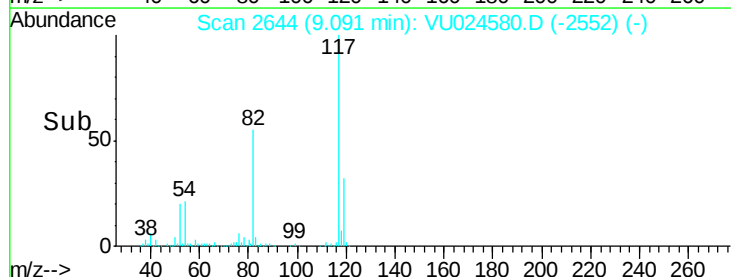
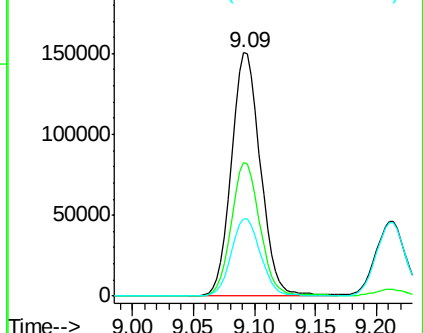
119 31.8 25.4 38.2

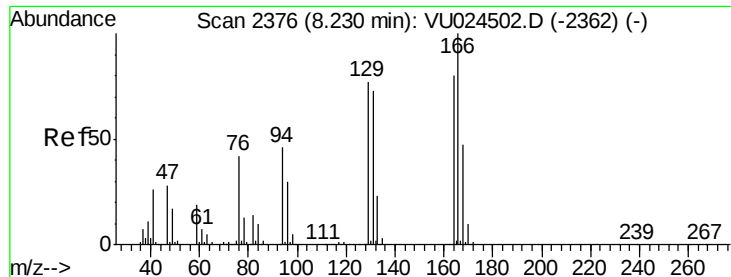


Abundance Ion 116.90 (116.60 to 117.60): VU024580.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU024580.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU024580.D (-2552) (-)





#64

Tetrachloroethene

Concen: 43.916 ug/l

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:164 Resp: 104914

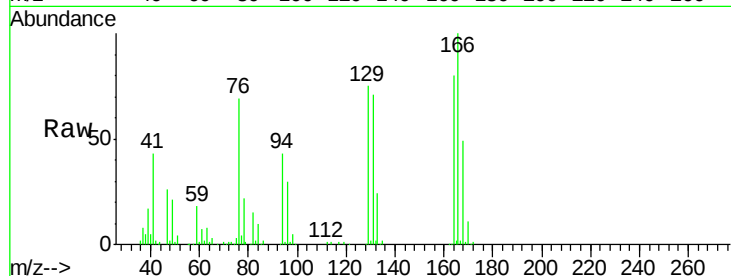
Ion Ratio Lower Upper

164 100

166 125.0 101.7 152.5

129 93.9 76.9 115.3

131 88.9 74.9 112.3

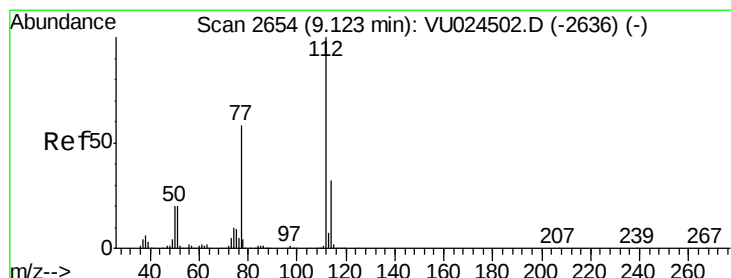
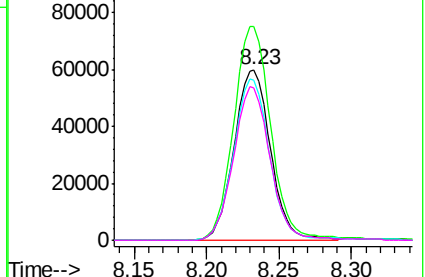
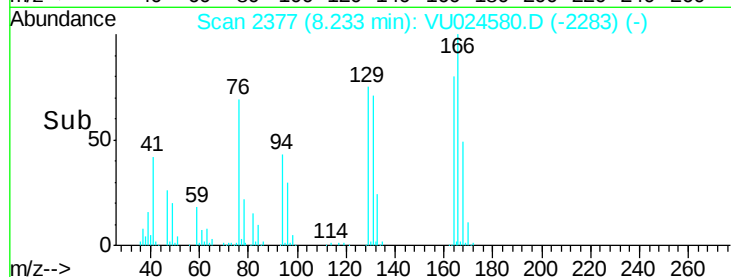


Abundance Ion 163.80 (163.50 to 164.50): V

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: 47.253 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU024580.D

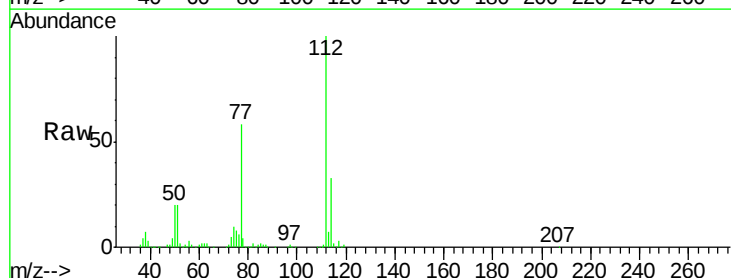
Acq: 15 Jun 2018 07:31

Tgt Ion:112 Resp: 303382

Ion Ratio Lower Upper

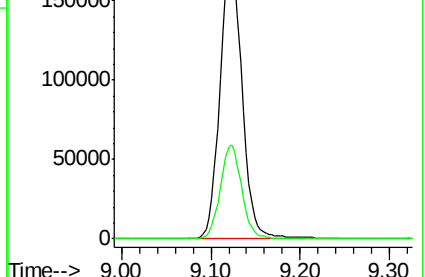
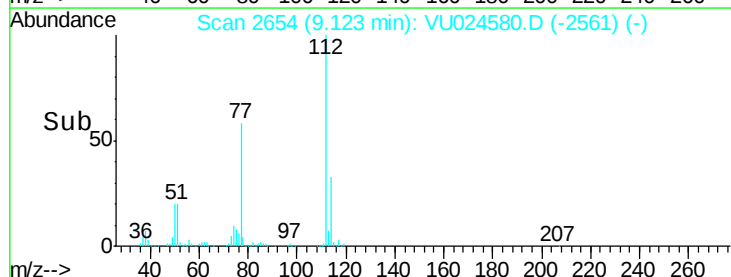
112 100

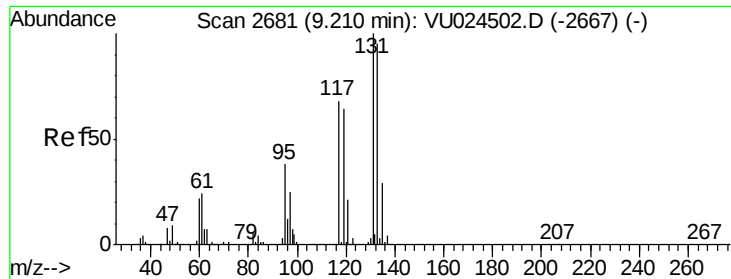
114 33.1 25.6 38.4



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: 46.831 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

ClientSampleId :

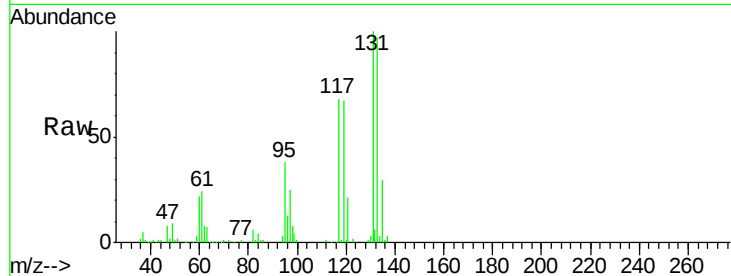
Tot Ion:131 Resp: 114234

Ion Ratio Lower Upper

131 100

133 95.4 46.9 140.8

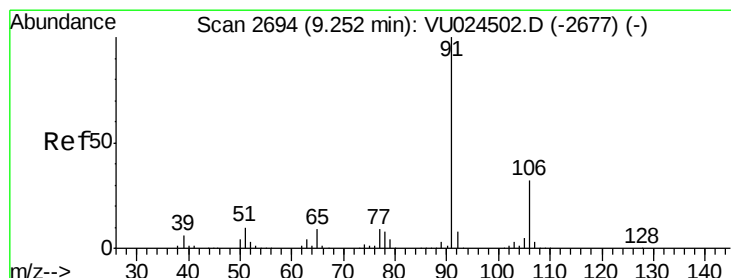
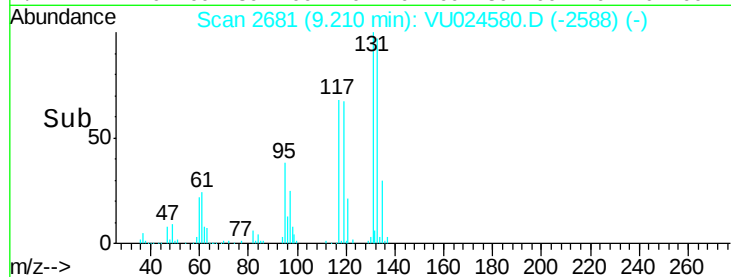
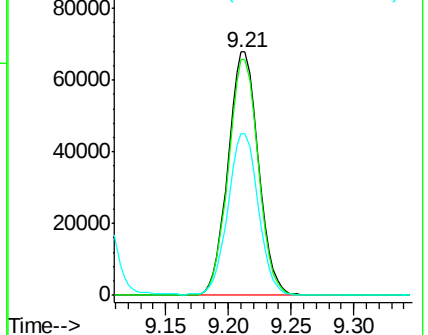
119 66.7 33.5 100.4



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: 46.079 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU024580.D

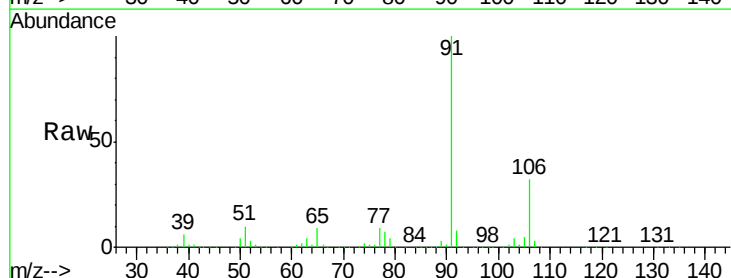
Acq: 15 Jun 2018 07:31

Tgt Ion: 91 Resp: 518644

Ion Ratio Lower Upper

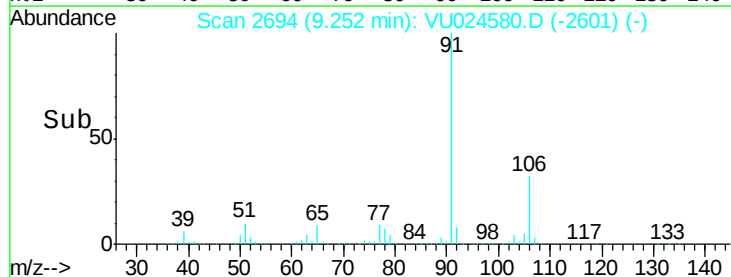
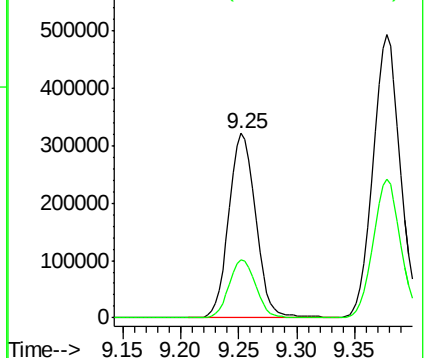
91 100

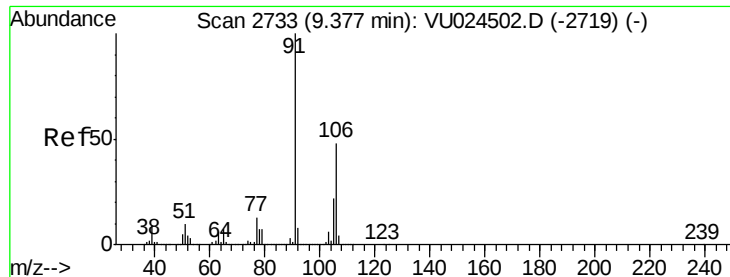
106 31.5 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

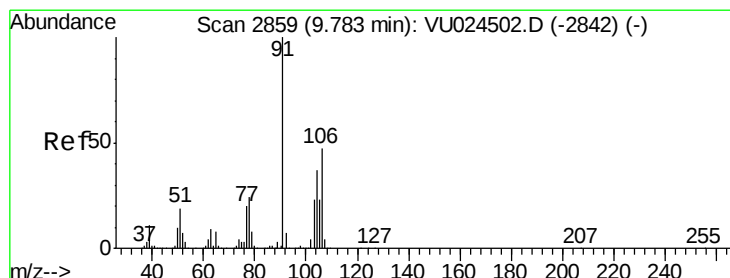
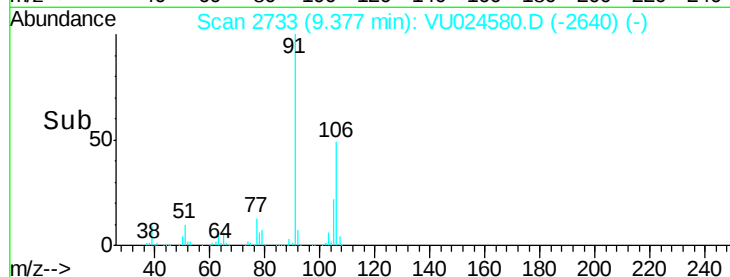
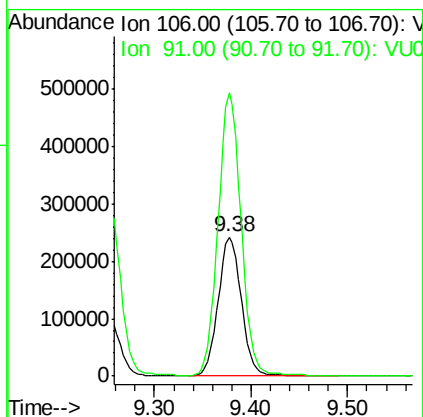
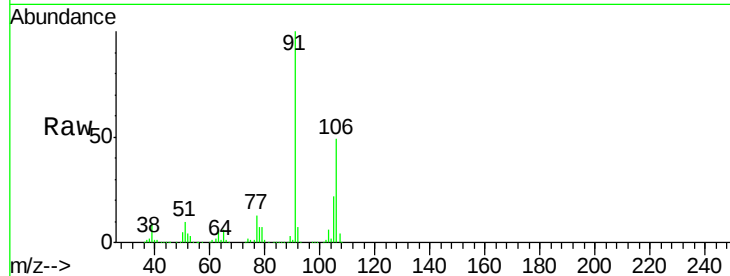




#68
m/p-Xylenes
Concen: 93.572 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

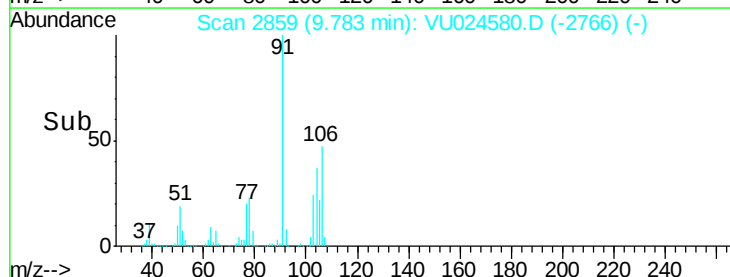
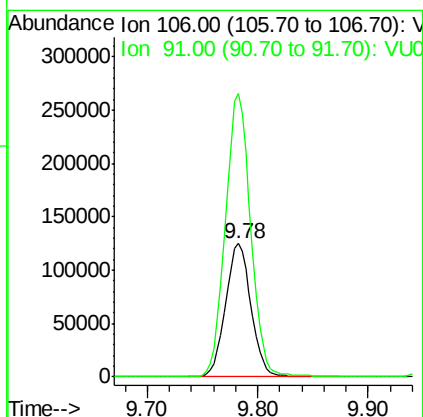
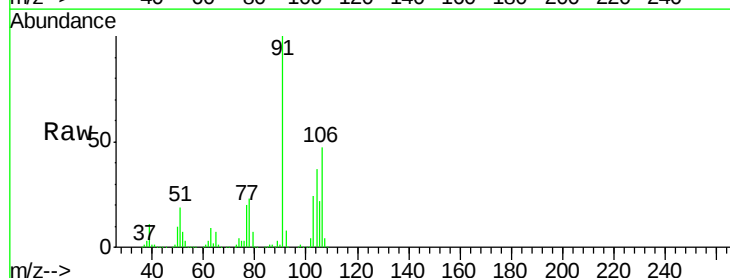
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 404431
Ion Ratio Lower Upper
106 100
91 201.9 166.5 249.7



#69
o-Xylene
Concen: 46.722 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024580.D
Acq: 15 Jun 2018 07:31

Tgt Ion:106 Resp: 199851
Ion Ratio Lower Upper
106 100
91 211.4 110.7 331.9





#70

Stvrene

Concen: 47.153 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :
MSVOA_D
ClientSampleId :

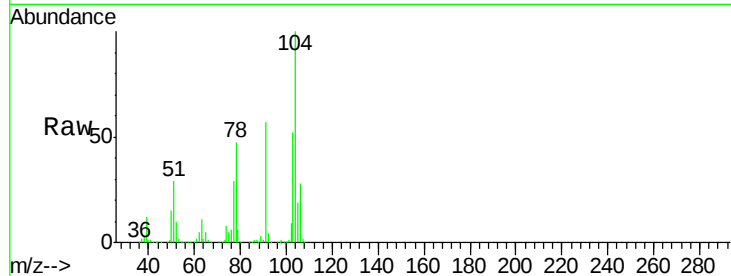
Tot Ion:104 Resp: 331453

Ion Ratio Lower Upper

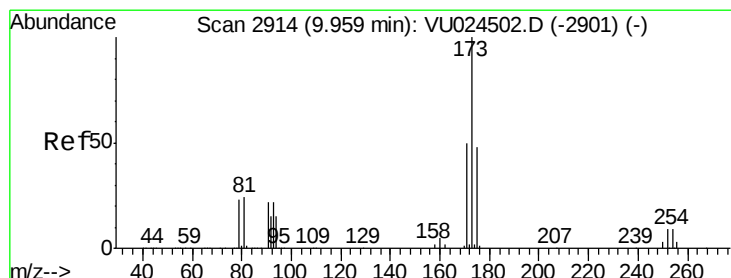
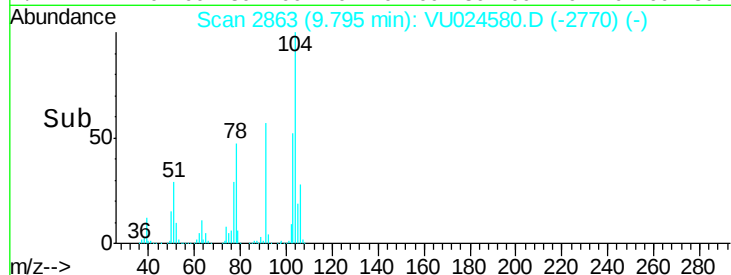
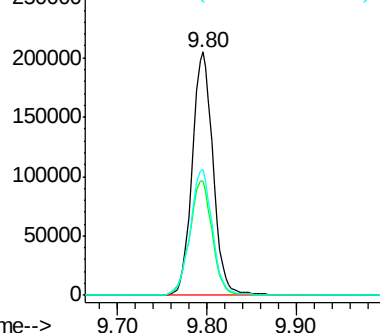
104 100

78 51.0 40.6 60.8

103 55.0 44.7 67.1



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



#71

Bromoform

Concen: 47.514 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

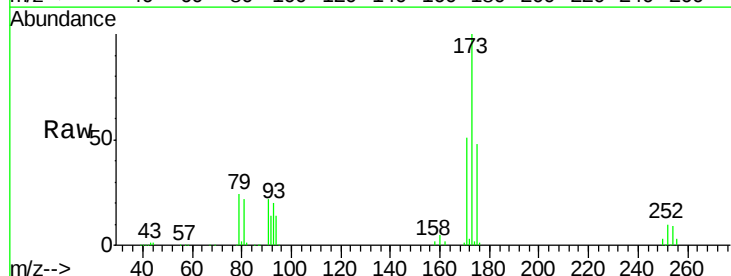
Tgt Ion:173 Resp: 110162

Ion Ratio Lower Upper

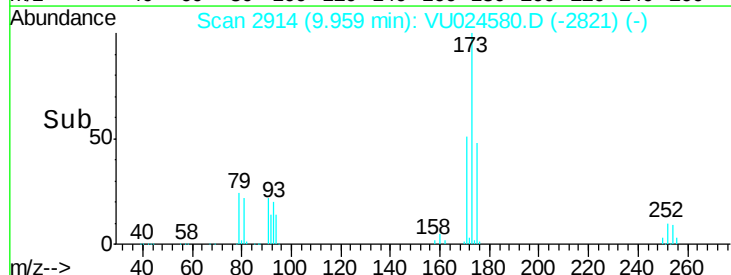
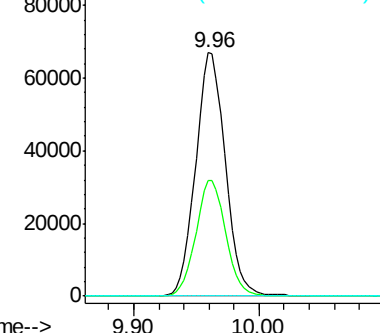
173 100

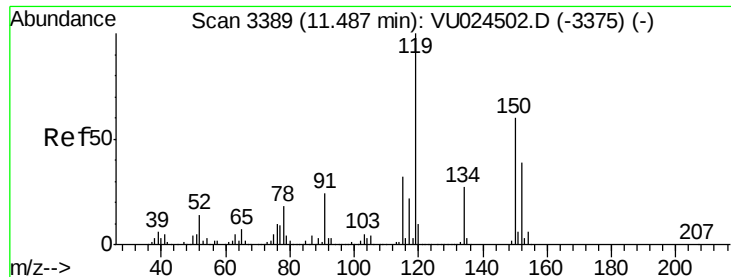
175 48.0 24.6 74.0

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: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

ClientSampleId :

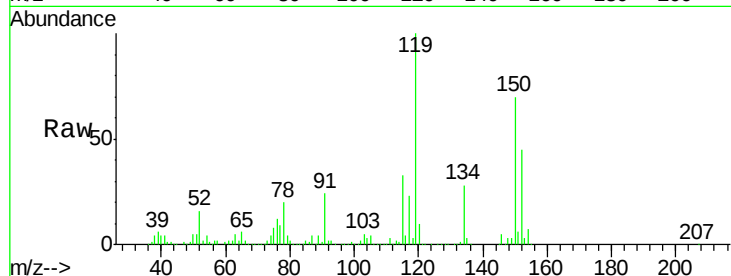
Tot Ion:152 Resp: 152238

Ion Ratio Lower Upper

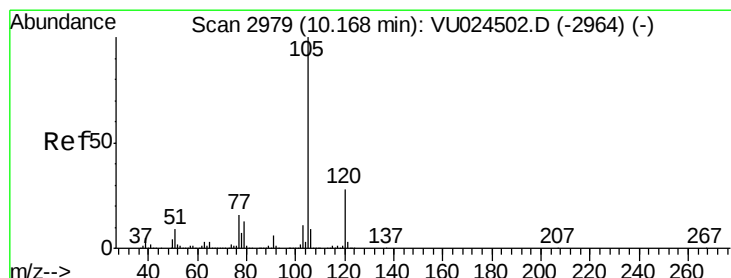
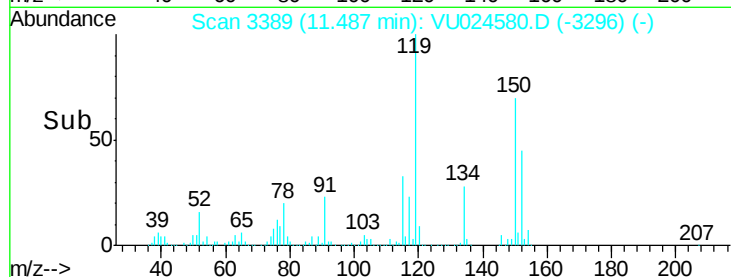
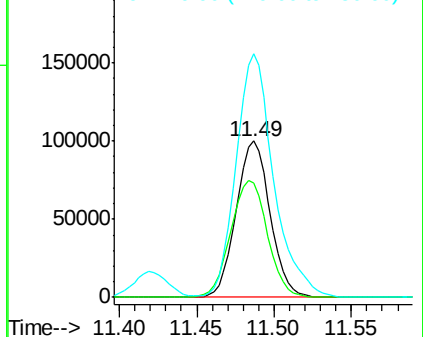
152 100

115 80.8 43.0 129.0

150 172.8 0.0 354.0



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



#73

Isopropylbenzene

Concen: 44.768 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024580.D

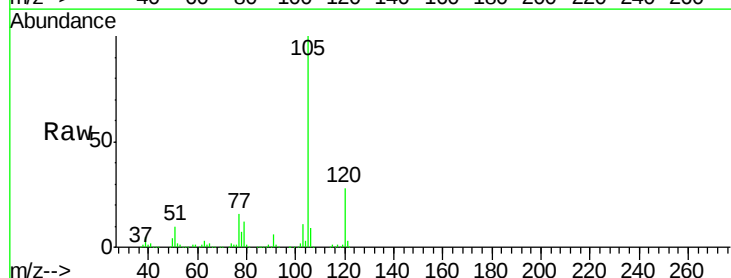
Acq: 15 Jun 2018 07:31

Tgt Ion:105 Resp: 523258

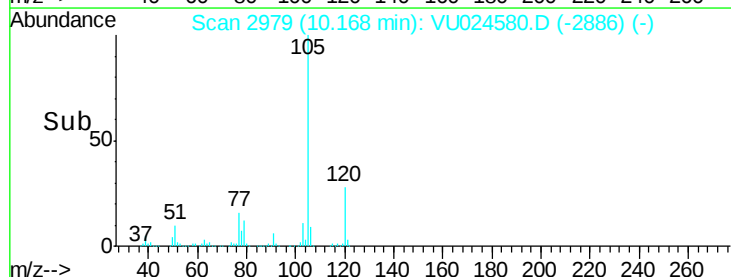
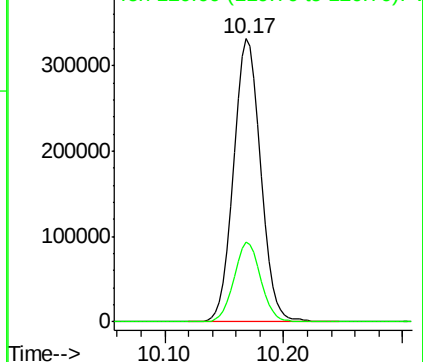
Ion Ratio Lower Upper

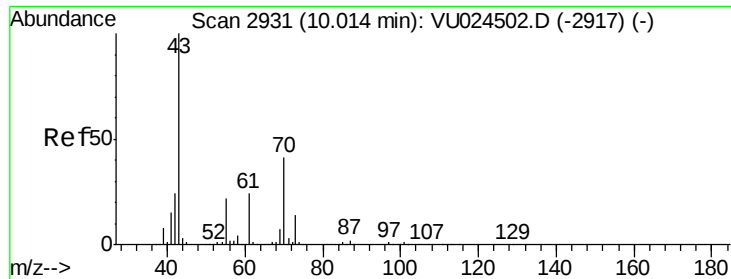
105 100

120 27.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 40.705 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 226298

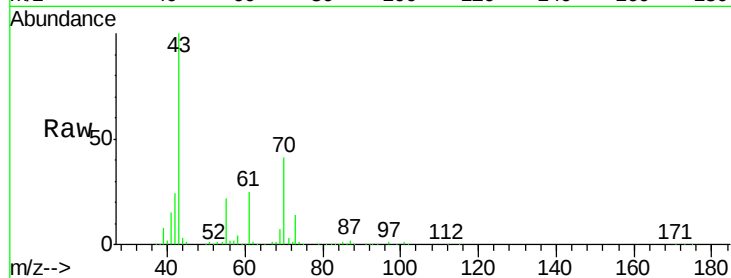
Ion Ratio Lower Upper

43 100

70 41.1 32.2 48.4

55 22.2 20.5 30.7

61 24.7 18.7 28.1

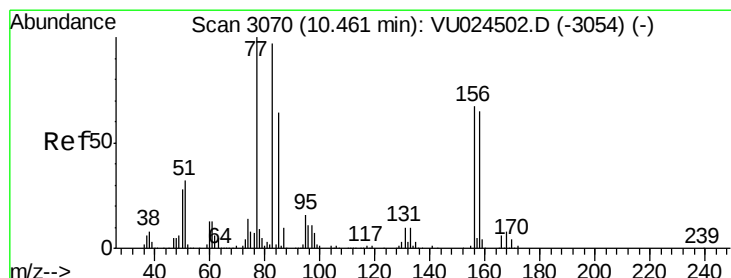
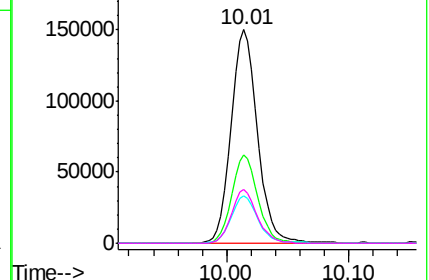
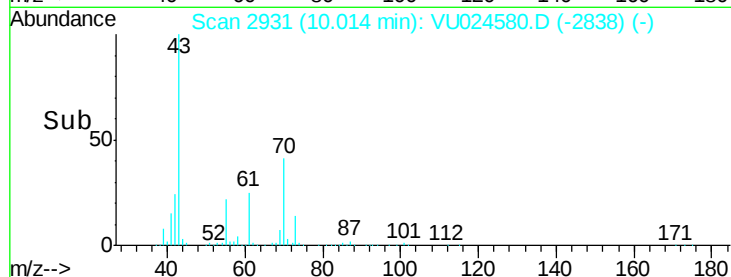


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#75

1,1,2,2-Tetrachloroethane

Concen: 47.279 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

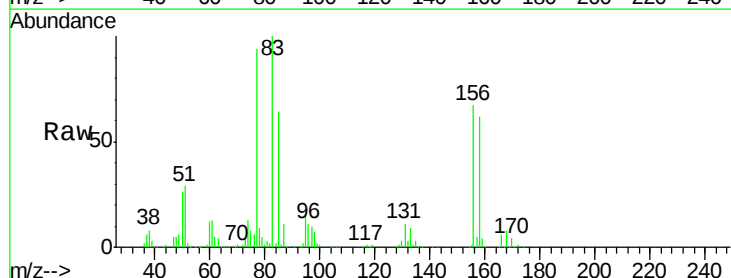
Tgt Ion: 83 Resp: 185182

Ion Ratio Lower Upper

83 100

131 10.3 4.7 14.1

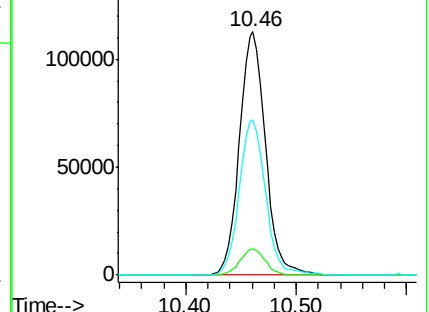
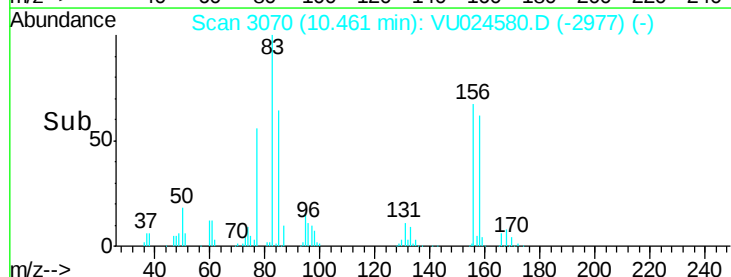
85 64.4 32.5 97.5

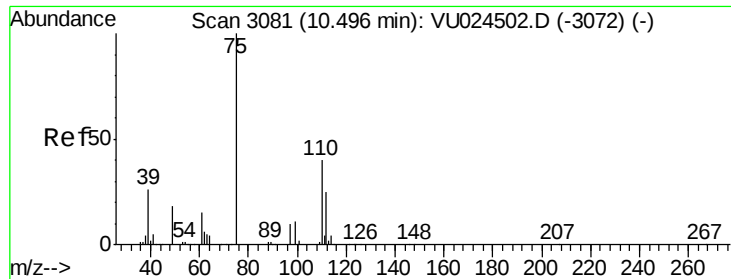


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0

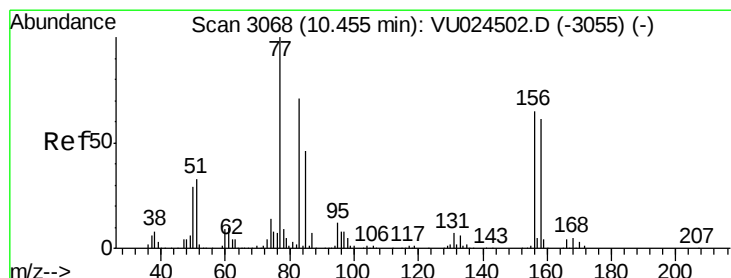
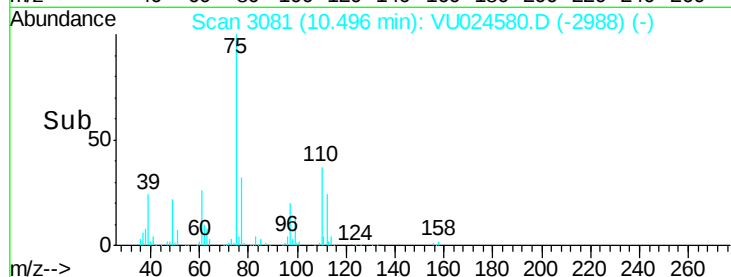
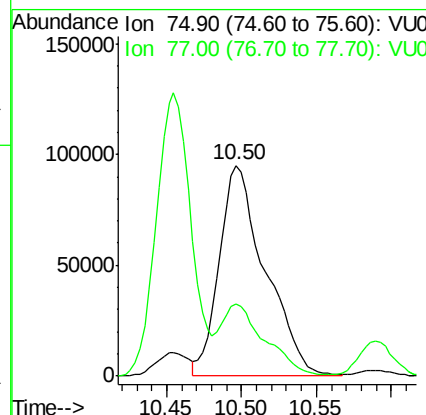
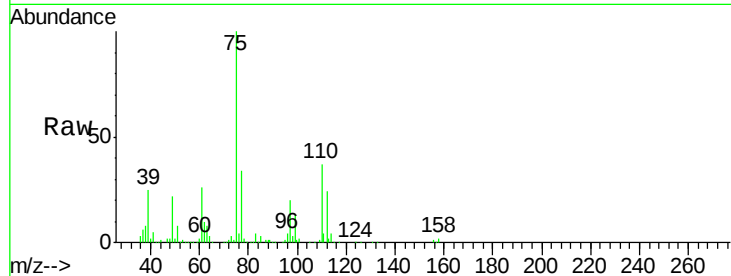




#76
 1,2,3-Trichloropropane
 Concen: 60.734 ug/l
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

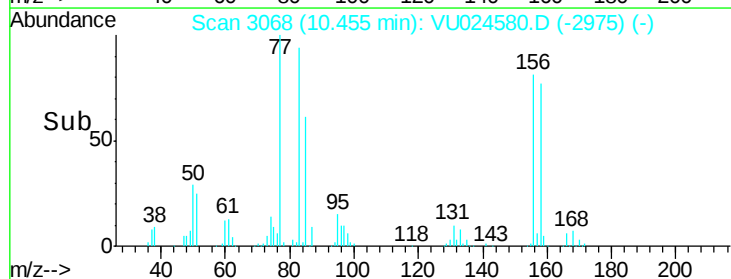
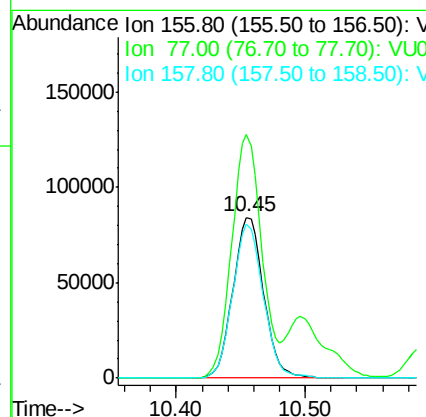
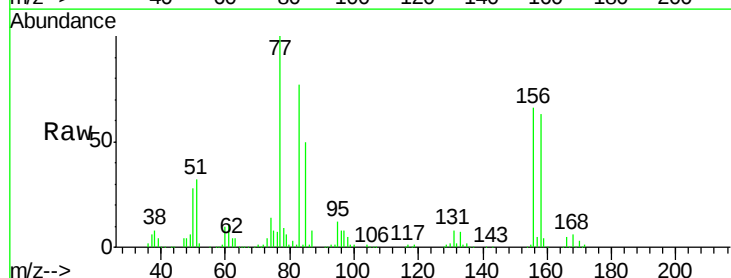
Instrument :
 MSVOA_D
 ClientSampled :

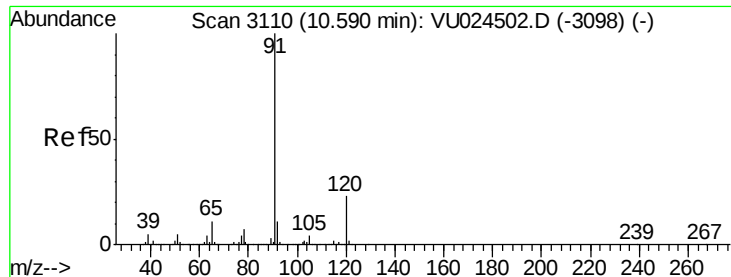
Tot Ion: 75 Resp: 203563
 Ion Ratio Lower Upper
 75 100
 77 32.8 20.9 62.7



#77
 Bromobenzene
 Concen: 46.970 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

Tgt Ion: 156 Resp: 138985
 Ion Ratio Lower Upper
 156 100
 77 148.6 80.5 241.3
 158 96.1 48.2 144.6





#78

n-propylbenzene

Concen: 44.726 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

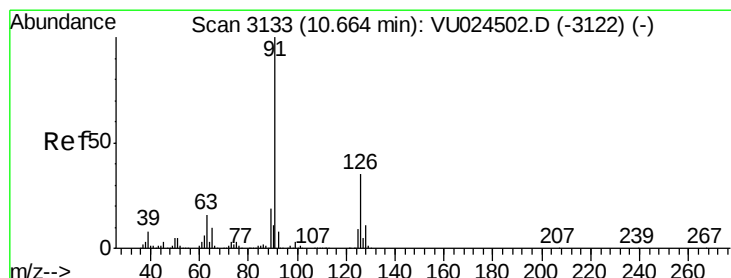
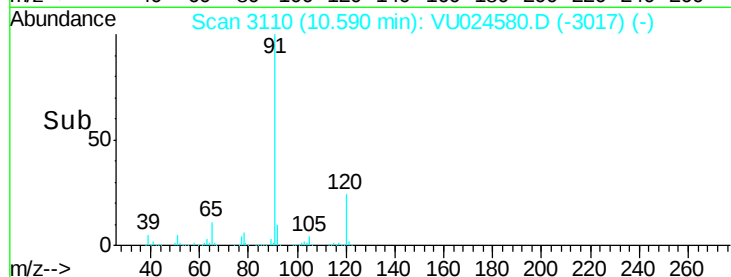
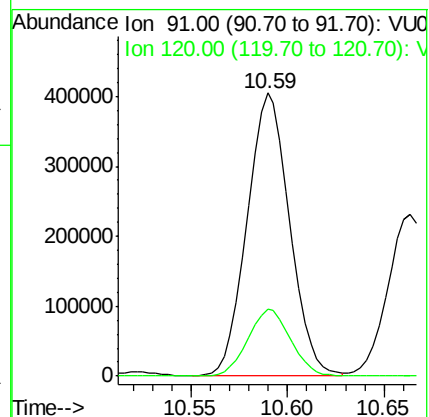
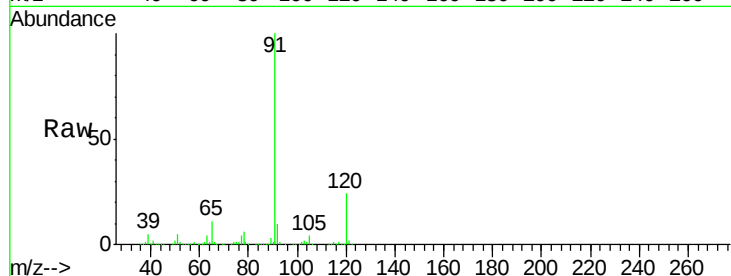
ClientSampleId :

Tot Ion: 91 Resp: 615815

Ion Ratio Lower Upper

91 100

120 24.0 11.2 33.5



#79

2-Chlorotoluene

Concen: 44.785 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024580.D

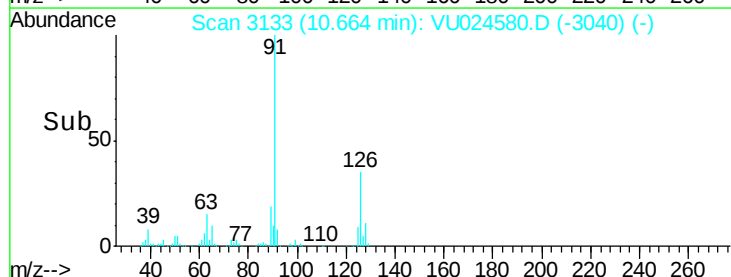
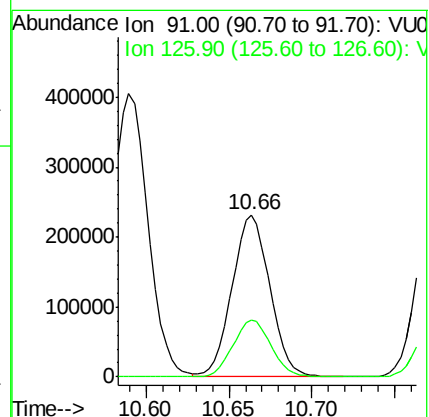
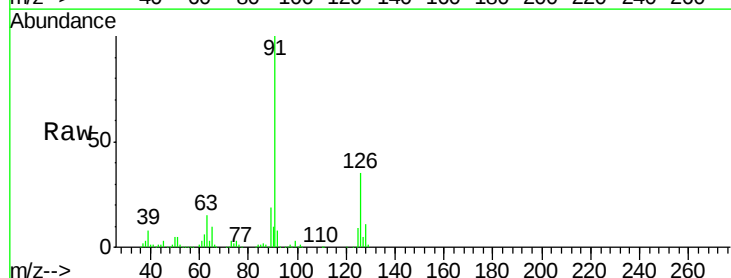
Acq: 15 Jun 2018 07:31

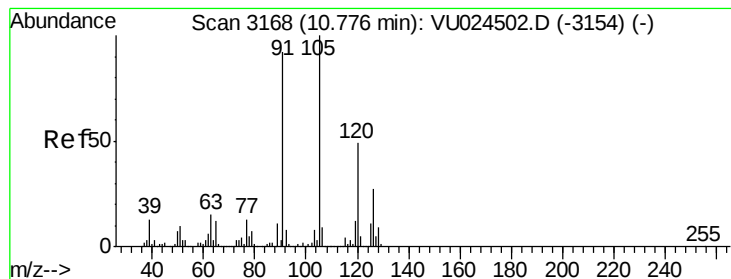
Tgt Ion: 91 Resp: 363631

Ion Ratio Lower Upper

91 100

126 35.7 16.9 50.7





#80

1,3,5-Trimethylbenzene

Concen: 44.497 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

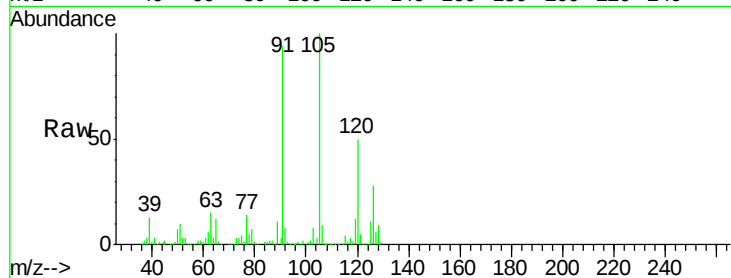
ClientSampleId :

Tot Ion:105 Resp: 450784

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.78

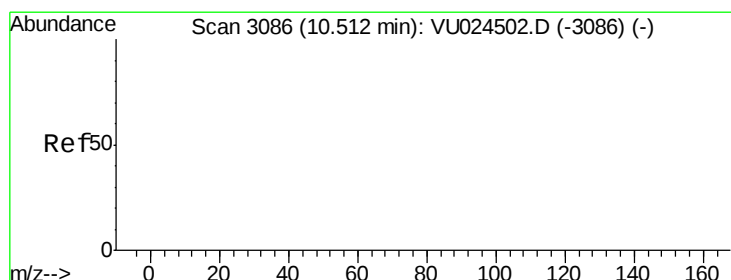
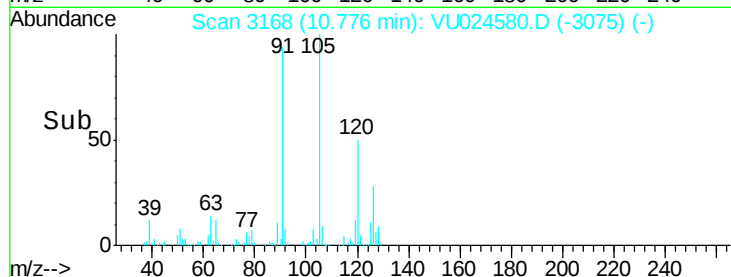
300000

200000

100000

0

Time--> 10.70 10.75 10.80 10.85



#81

trans-1,4-Dichloro-2-butene

Concen: 140.563 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

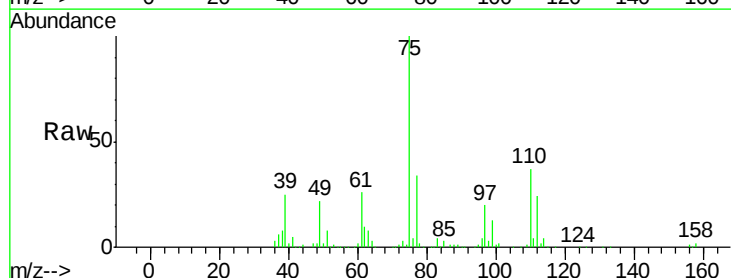
Tgt Ion: 75 Resp: 203563

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

10.50

120000

100000

80000

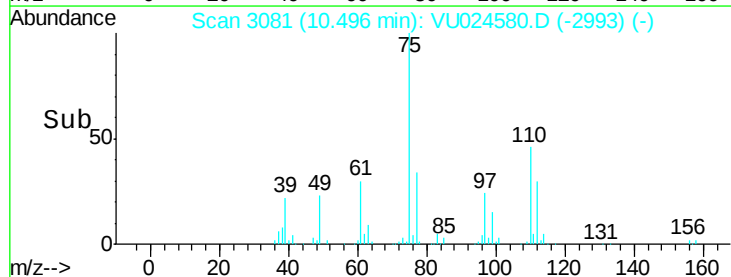
60000

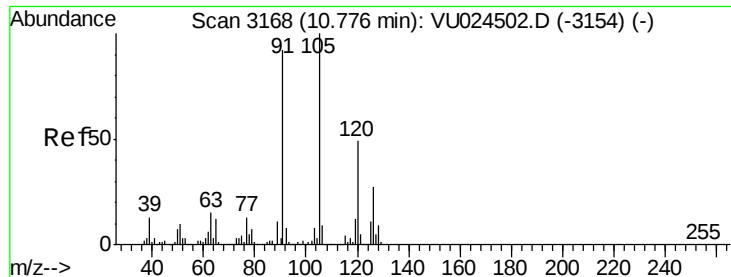
40000

20000

0

Time--> 10.45 10.50 10.55





#82

4-Chlorotoluene

Concen: 45.600 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

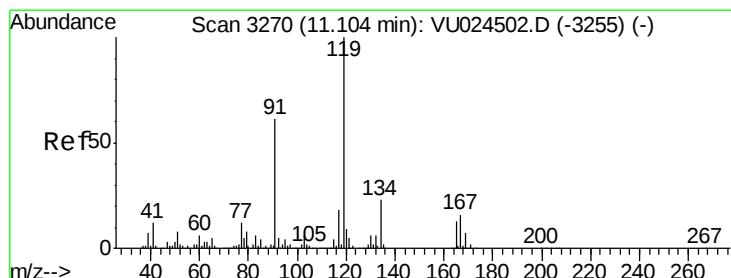
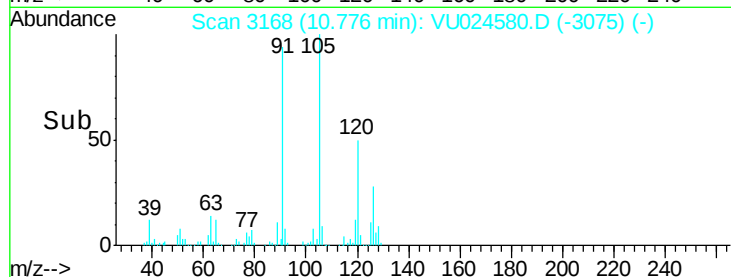
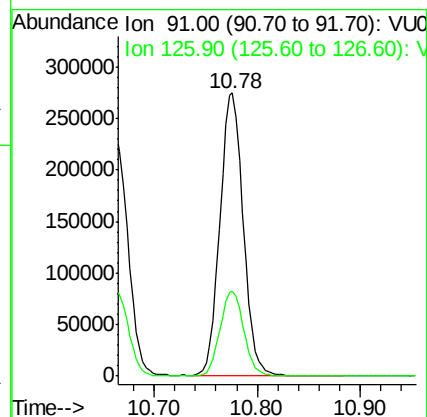
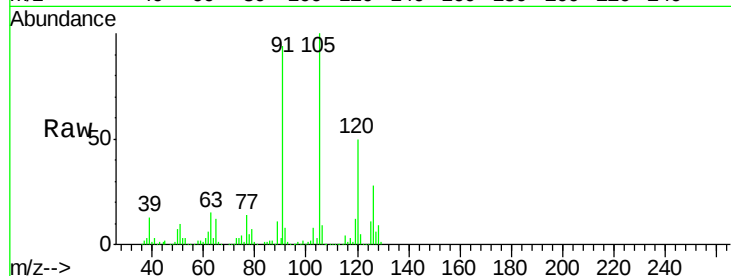
ClientSampleId :

Tot Ion: 91 Resp: 430942

Ion Ratio Lower Upper

91 100

126 30.6 14.9 44.9



#83

tert-Butylbenzene

Concen: 45.758 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

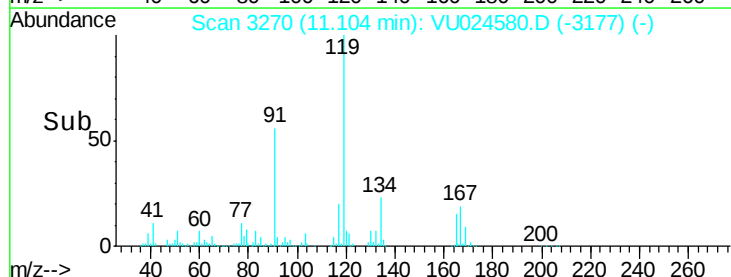
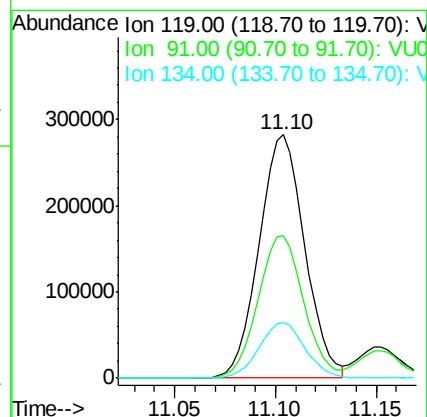
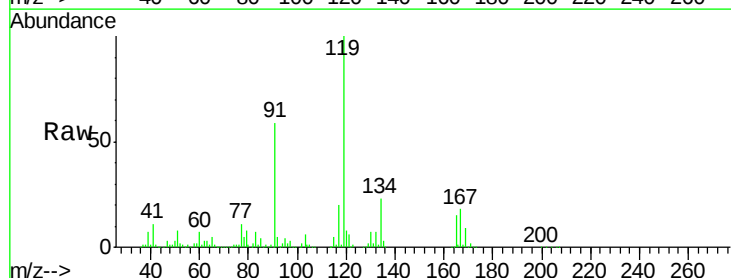
Tgt Ion: 119 Resp: 445915

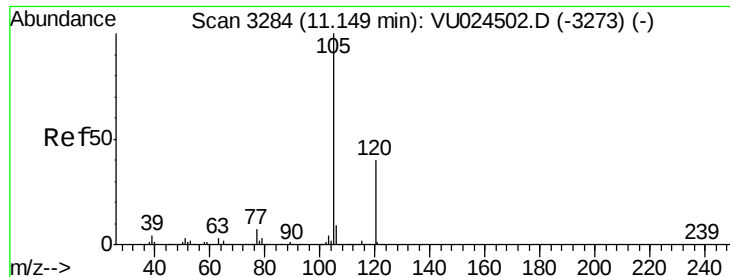
Ion Ratio Lower Upper

119 100

91 58.6 29.7 89.1

134 22.8 11.6 34.7

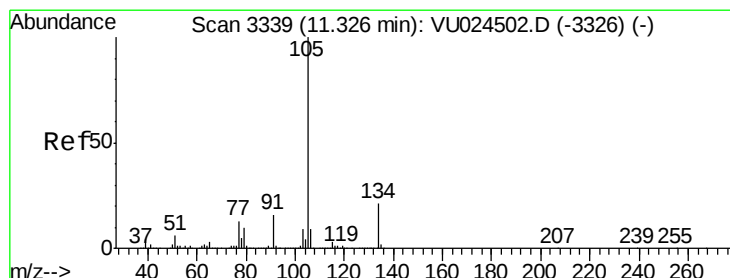
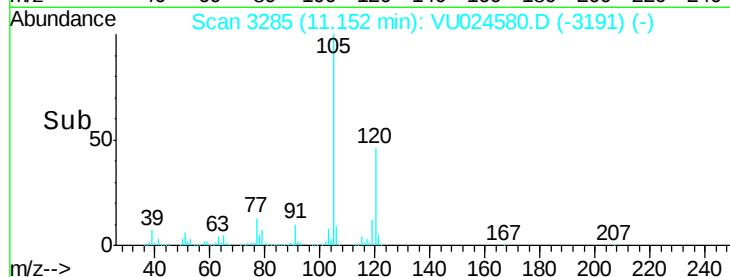
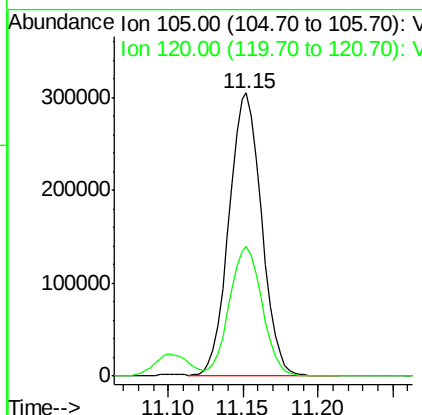
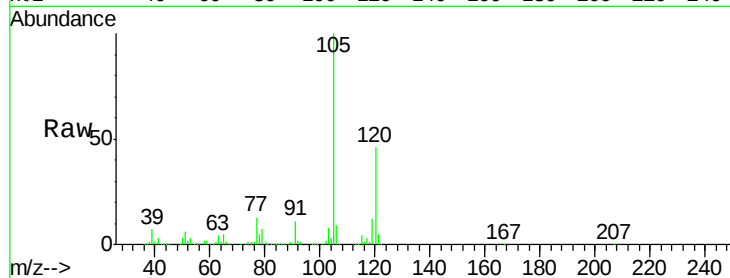




#84
 1,2,4-Trimethylbenzene
 Concen: 44.808 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

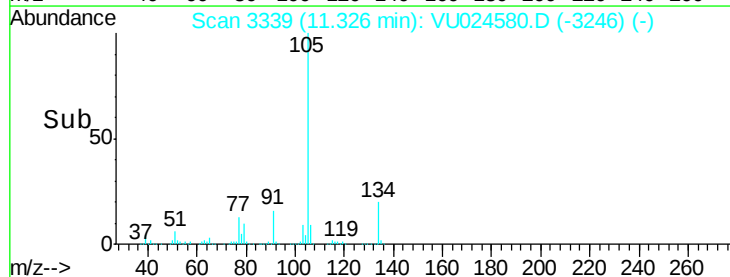
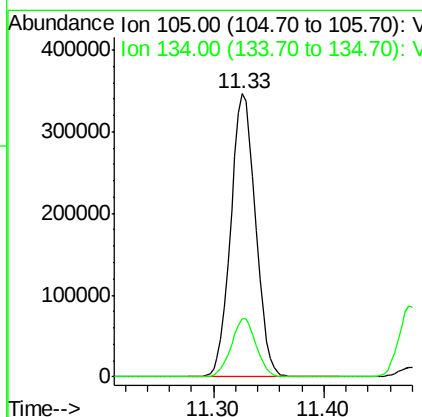
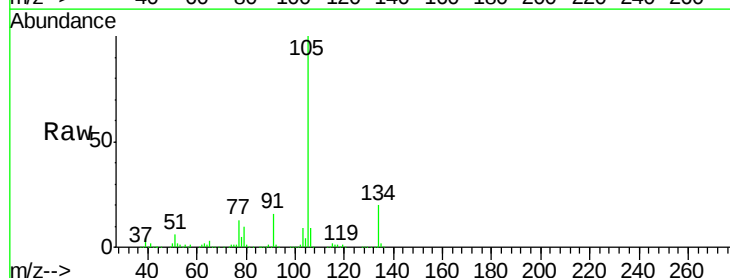
Instrument :
 MSVOA_D
 ClientSampleId :

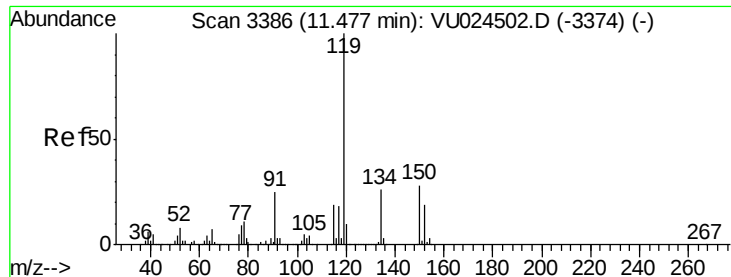
Tot Ion:105 Resp: 462599
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 44.298 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

Tgt Ion:105 Resp: 540358
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.7 29.1

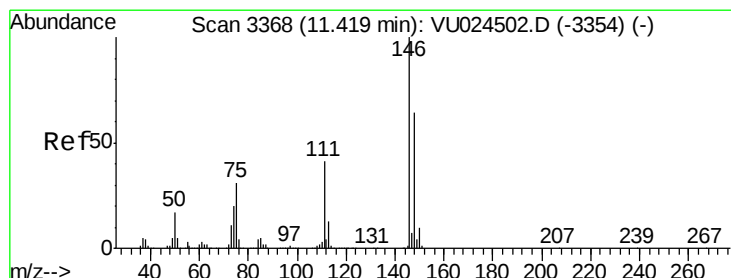
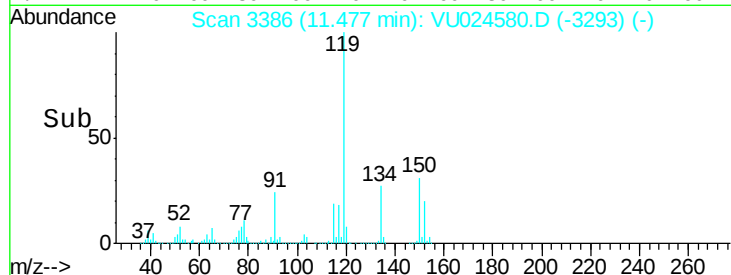
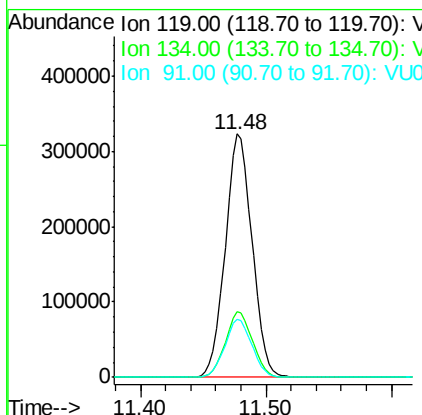
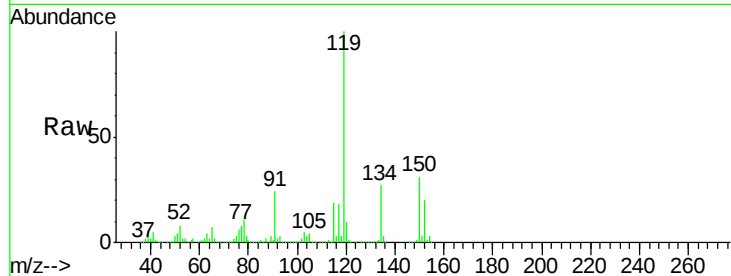




#86
 p-Isopropyltoluene
 Concen: 43.980 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

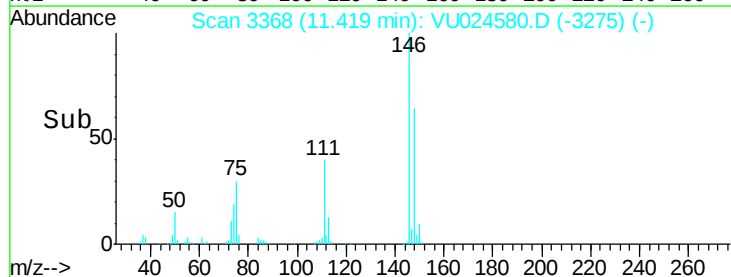
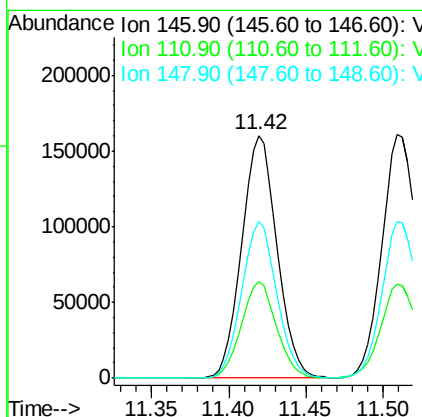
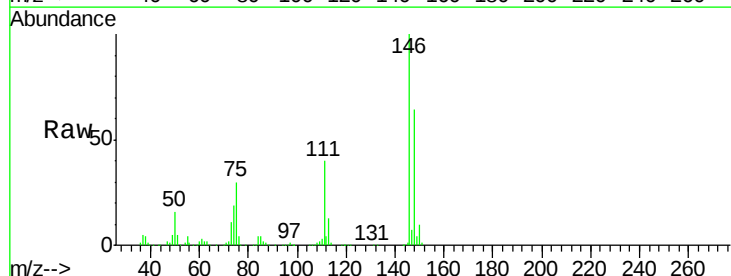
Instrument :
 MSVOA_D
 ClientSampled :

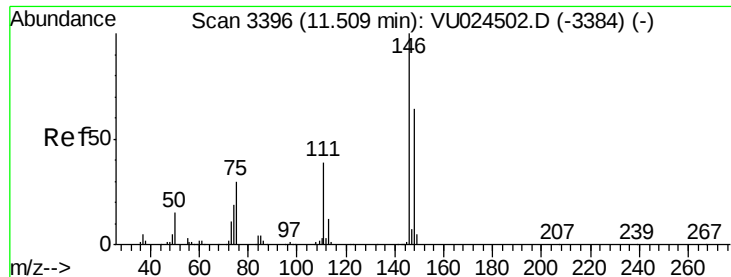
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.2	12.9	38.6
91	24.0	12.0	36.1



#87
 1,3-Dichlorobenzene
 Concen: 46.549 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	60.0
148	64.1	32.1	96.5

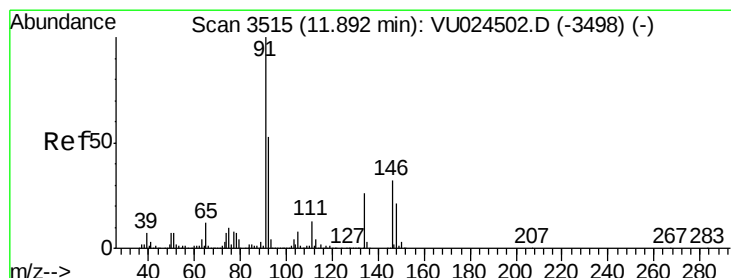
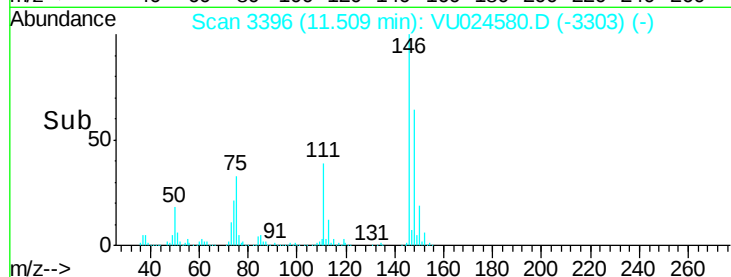
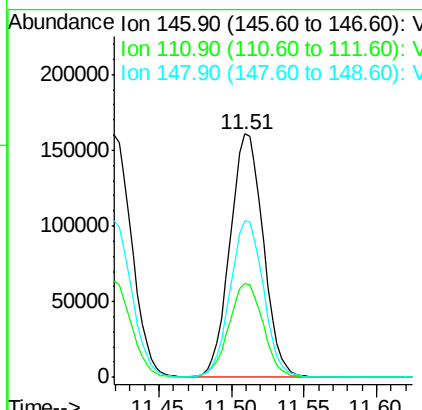
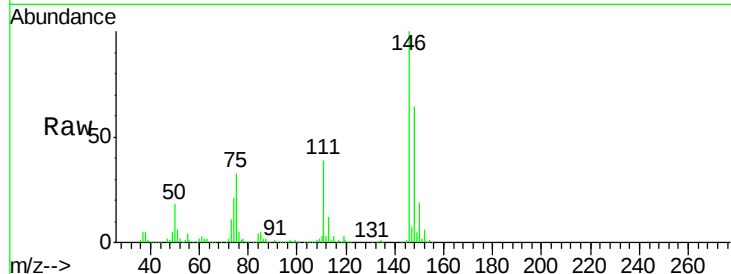




#88
 1,4-Dichlorobenzene
 Concen: 46.586 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

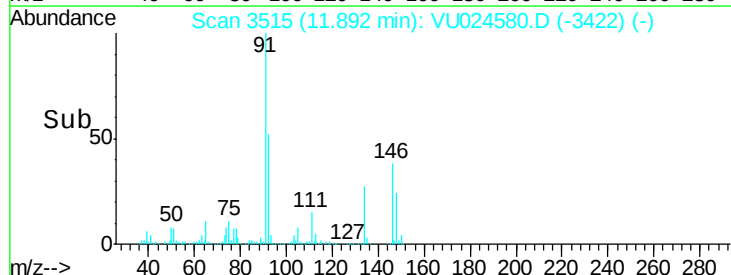
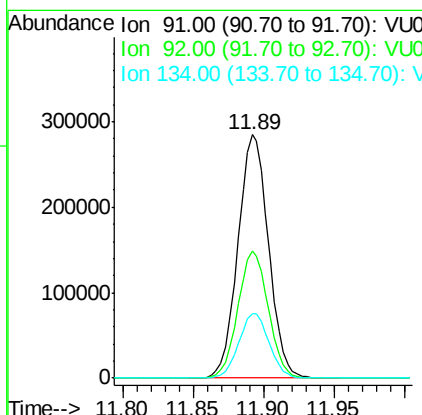
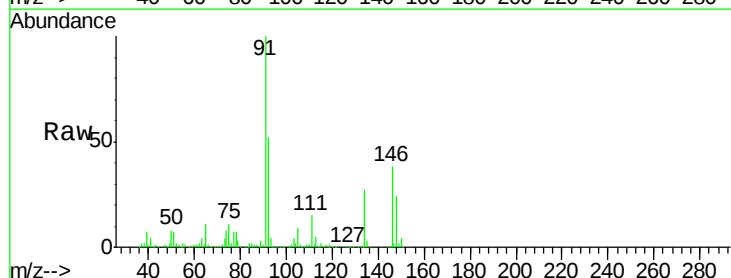
Instrument :
 MSVOA_D
 ClientSampleId :

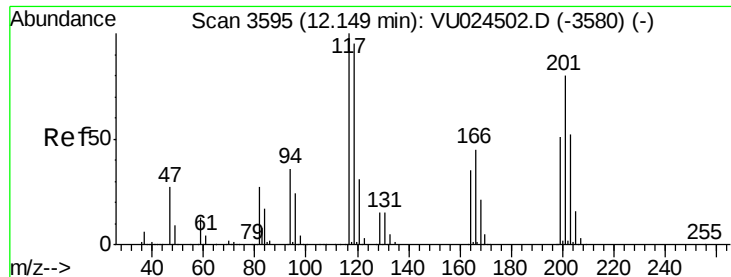
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.5	58.5
148	64.5	32.4	97.0



#89
 n-Butylbenzene
 Concen: 44.490 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.6	76.8
134	26.4	12.3	36.8





#90

Hexachloroethane

Concen: 42.150 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

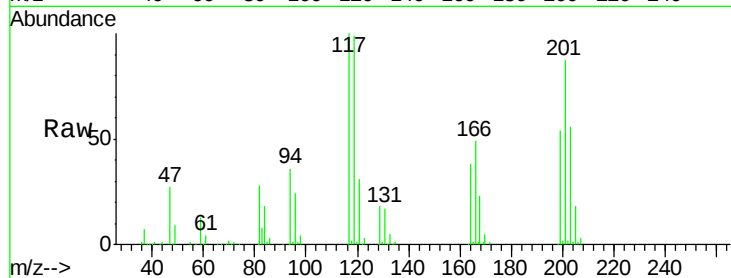
ClientSampleId :

Tot Ion:117 Resp: 89829

Ion Ratio Lower Upper

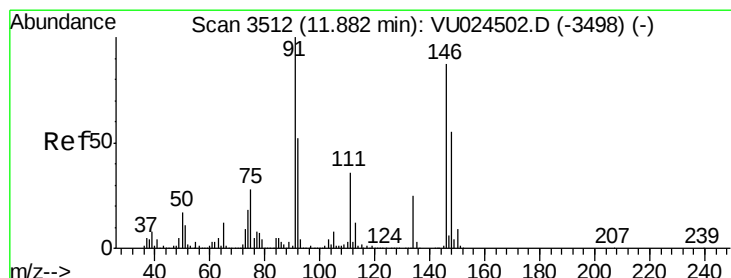
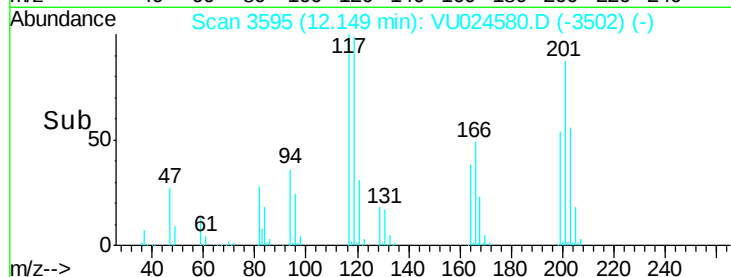
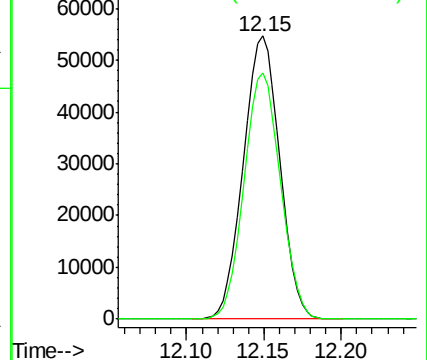
117 100

201 86.8 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 46.419 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

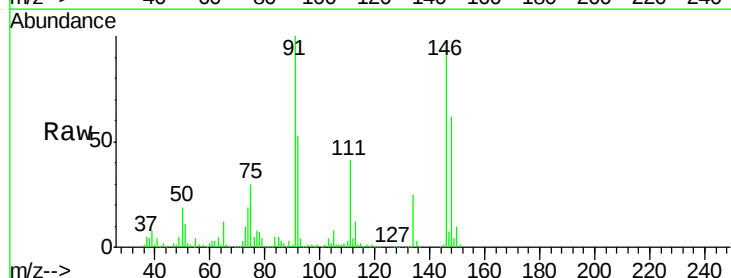
Tgt Ion:146 Resp: 254175

Ion Ratio Lower Upper

146 100

111 40.9 20.5 61.6

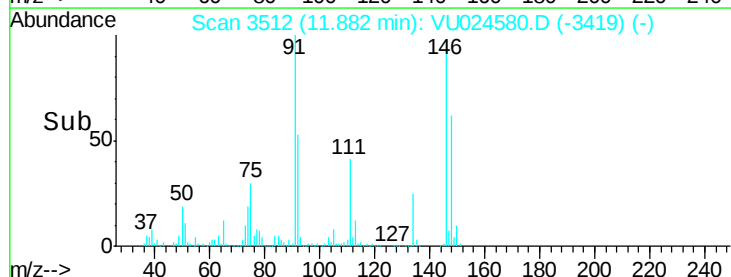
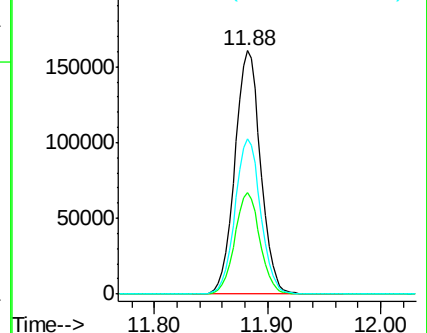
148 63.5 31.9 95.7



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: 43.741 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

ClientSampleId :

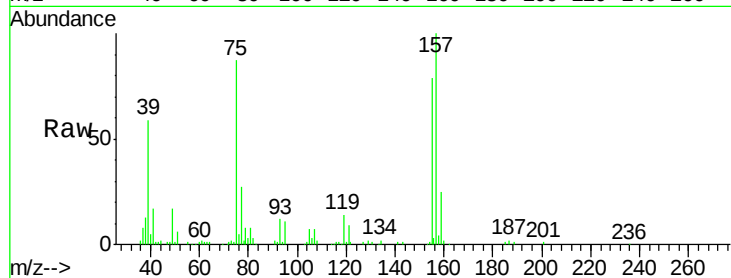
Tot Ion: 75 Resp: 47273

Ion Ratio Lower Upper

75 100

155 89.6 40.4 121.2

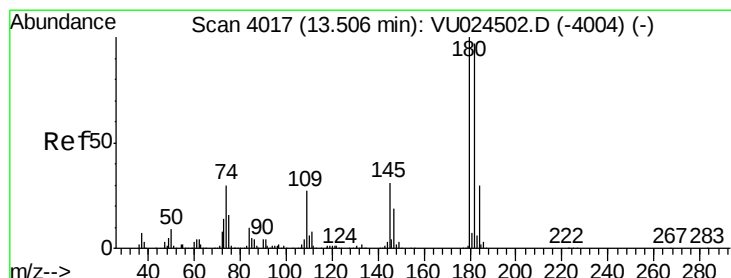
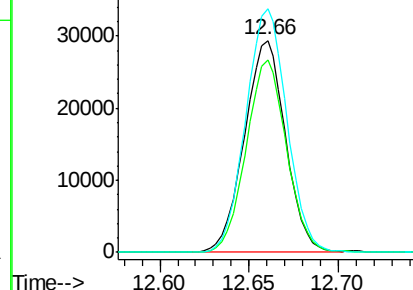
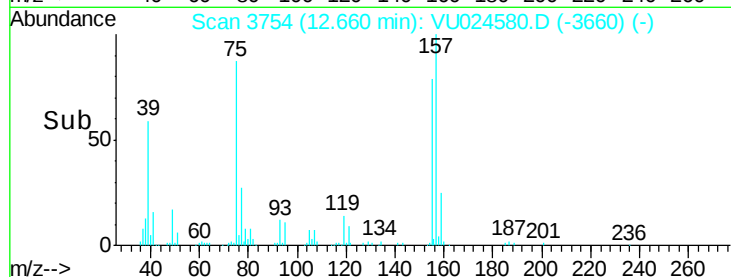
157 115.6 52.3 156.8



Abundance Ion 74.90 (74.60 to 75.60): VU024580.D (-3660) (-)

Ion 154.80 (154.50 to 155.50): VU024580.D (-3660) (-)

Ion 156.80 (156.50 to 157.50): VU024580.D (-3660) (-)



#93

1,2,4-Trichlorobenzene

Concen: 53.074 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

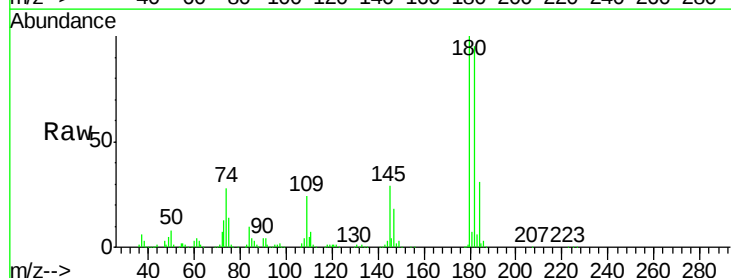
Tgt Ion: 180 Resp: 179463

Ion Ratio Lower Upper

180 100

182 93.3 48.0 144.2

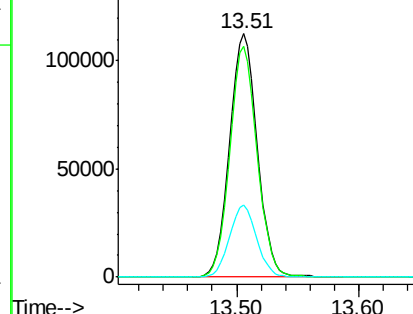
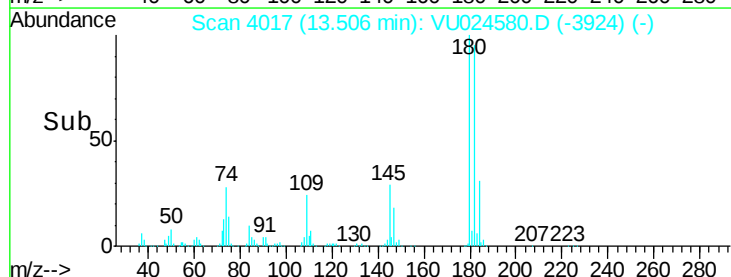
145 28.9 14.7 44.1

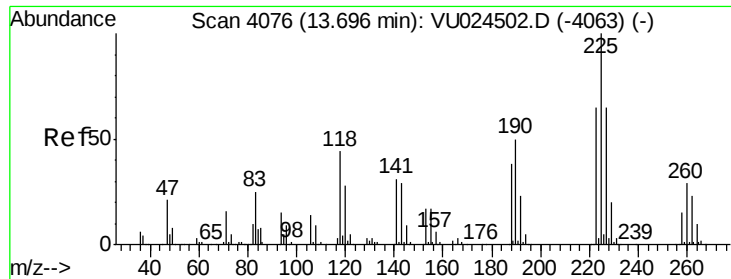


Abundance Ion 179.80 (179.50 to 180.50): VU024580.D (-3924) (-)

Ion 181.80 (181.50 to 182.50): VU024580.D (-3924) (-)

Ion 144.80 (144.50 to 145.50): VU024580.D (-3924) (-)





#94

Hexachlorobutadiene

Concen: 42.337 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. -0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

Instrument :

MSVOA_D

ClientSampleId :

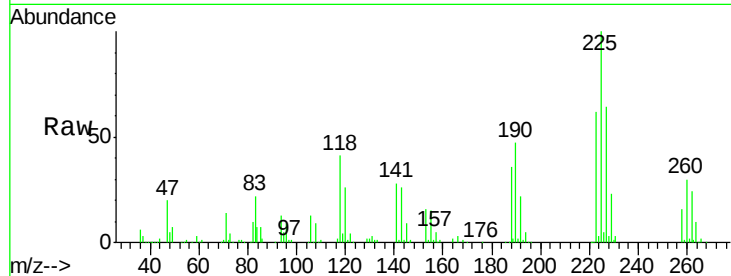
Tot Ion:225 Resp: 80576

Ion Ratio Lower Upper

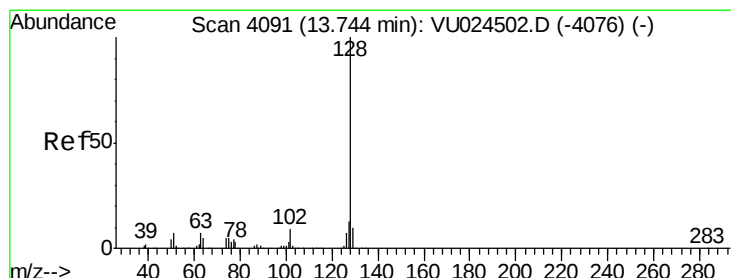
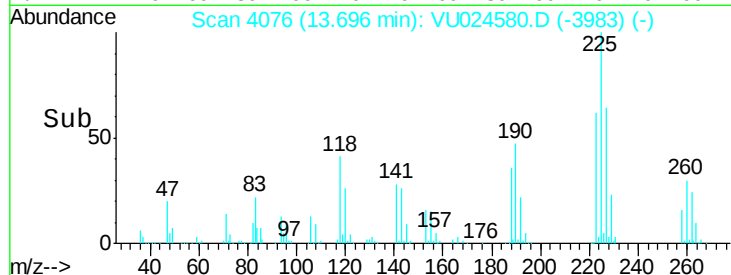
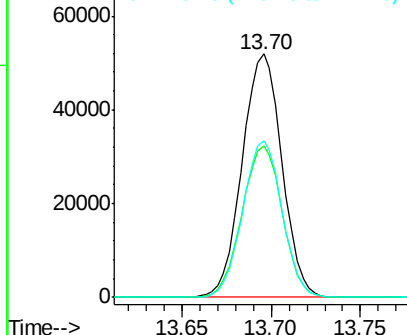
225 100

223 63.0 31.3 93.8

227 63.6 31.8 95.4



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



#95

Naphthalene

Concen: 49.002 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024580.D

Acq: 15 Jun 2018 07:31

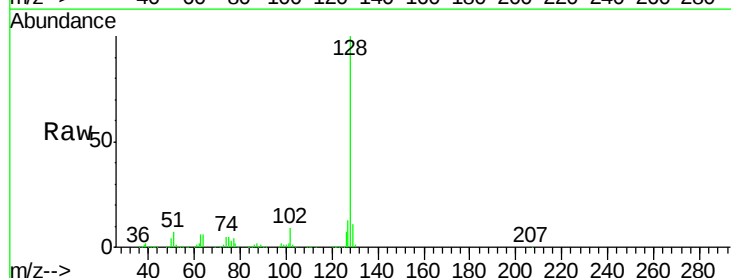
Tgt Ion:128 Resp: 548383

Ion Ratio Lower Upper

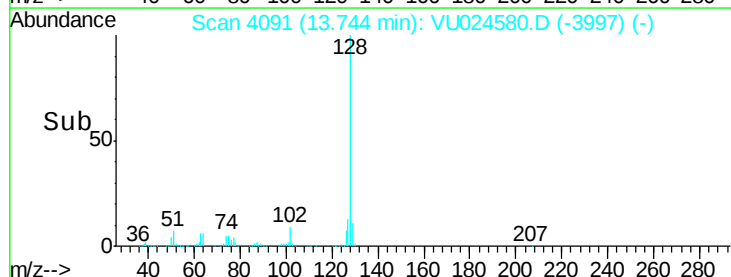
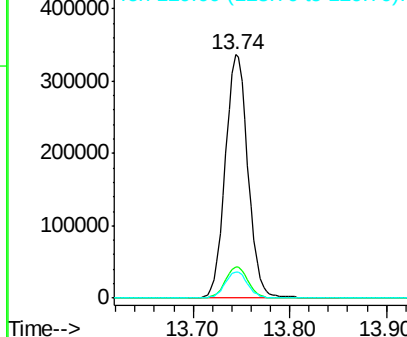
128 100

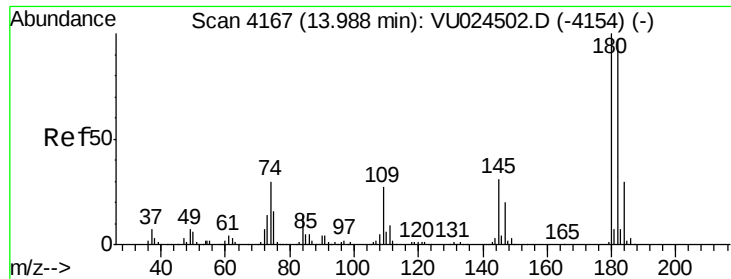
127 12.9 10.6 16.0

129 10.8 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

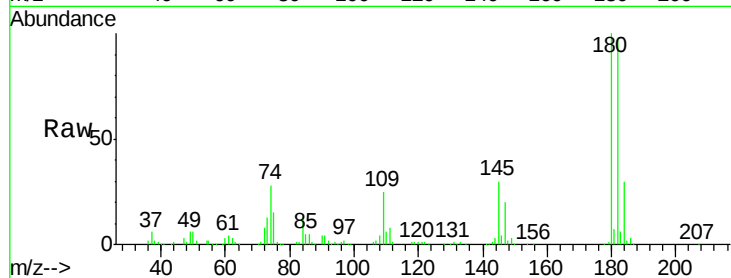




#96
 1,2,3-Trichlorobenzene
 Concen: 53.355 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU024580.D
 Acq: 15 Jun 2018 07:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.7
145	30.0	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

