

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070218\
 Data File : VX003138.D
 Acq On : 02 Jul 2018 20:11
 Operator : JC/MD
 Sample : J3772-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Quant Time: Jul 03 07:00:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	289111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	388892	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	375593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	240947	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	180708	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
35) Dibromofluoromethane	5.51	113	155573	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	8.72	98	538336	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
62) 4-Bromofluorobenzene	11.14	95	209103	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	135263	52.42	ug/l	100
3) Chloromethane	1.32	50	145540	54.41	ug/l	98
4) Vinyl Chloride	1.40	62	167187	51.13	ug/l	99
5) Bromomethane	1.64	94	48597	30.80	ug/l	100
6) Chloroethane	1.72	64	102145	53.39	ug/l	100
7) Trichlorofluoromethane	1.93	101	248145	44.99	ug/l	97
8) Diethyl Ether	2.19	74	94837	47.30	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	140165	43.86	ug/l	97
10) Methyl Iodide	2.51	142	145166	45.44	ug/l	97
11) Tert butyl alcohol	3.09	59	200865	252.32	ug/l	99
12) 1,1-Dichloroethene	2.37	96	134038	47.01	ug/l	90
13) Acrolein	2.30	56	67199	153.92	ug/l	96
14) Allyl chloride	2.73	41	258088	45.92	ug/l	94
15) Acrylonitrile	3.15	53	424970	249.93	ug/l	99
16) Acetone	2.45	43	396128	239.37	ug/l	95
17) Carbon Disulfide	2.57	76	376667	49.58	ug/l	99
18) Methyl Acetate	2.78	43	217912	47.10	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	473873	46.23	ug/l	99
20) Methylene Chloride	2.86	84	150720	46.80	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	145563	46.87	ug/l	91
22) Diisopropyl ether	3.88	45	487888	45.41	ug/l	98
23) Vinyl Acetate	3.83	43	2118504	232.87	ug/l	98
24) 1,1-Dichloroethane	3.70	63	270204	46.27	ug/l	99
25) 2-Butanone	4.72	43	661840	269.48	ug/l	97
26) 2,2-Dichloropropane	4.59	77	174606	36.77	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	193541	55.58	ug/l	90
28) Bromochloromethane	5.03	49	133063	47.61	ug/l	89
29) Tetrahydrofuran	5.17	42	424475	269.51	ug/l	96
30) Chloroform	5.22	83	293011	48.89	ug/l	99
31) Cyclohexane	5.57	56	246977	49.28	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	261286	49.56	ug/l	98
36) 1,1-Dichloropropene	5.80	75	208827	48.97	ug/l	98
37) Ethyl Acetate	4.87	43	239681	52.20	ug/l	97
38) Carbon Tetrachloride	5.79	117	233150	49.82	ug/l	100

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	232659	46.84	ug/l	96
40) Benzene	6.15	78	629777	50.82	ug/l	100
41) Methacrylonitrile	5.07	41	139472	52.75	ug/l	96
42) 1,2-Dichloroethane	6.20	62	234667	46.88	ug/l	98
43) Isopropyl Acetate	6.48	43	377928	49.07	ug/l	98
44) Trichloroethene	7.22	130	185070	50.09	ug/l	99
45) 1,2-Dichloropropane	7.52	63	159136	48.41	ug/l	100
46) Dibromomethane	7.67	93	111757	48.99	ug/l	94
47) Bromodichloromethane	7.90	83	211961	50.26	ug/l	100
48) Methyl methacrylate	7.79	41	200735	50.59	ug/l	95
49) 1,4-Dioxane	7.76	88	84696	1097.09	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	1283919	266.47	ug/l	97
52) Toluene	8.79	92	399334	50.31	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	239683	50.19	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	228342	49.69	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	163062	49.99	ug/l	98
56) Ethyl methacrylate	9.19	69	255173	53.53	ug/l	93
57) 1,3-Dichloropropane	9.38	76	268250	50.07	ug/l	100
59) 2-Hexanone	9.50	43	1001421	273.47	ug/l	96
60) Dibromochloromethane	9.59	129	180143	52.46	ug/l	100
61) 1,2-Dibromoethane	9.68	107	176130	51.48	ug/l	99
64) Tetrachloroethene	9.34	164	178836	42.82	ug/l	99
65) Chlorobenzene	10.14	112	468272	49.08	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	173818	50.16	ug/l	99
67) Ethyl Benzene	10.26	91	792335	50.28	ug/l	99
68) m/p-Xylenes	10.36	106	611873	100.74	ug/l	97
69) o-Xylene	10.70	106	295228	49.92	ug/l	97
70) Stvrene	10.71	104	496976	51.72	ug/l	99
71) Bromoform	10.86	173	146606	47.07	ug/l	100
73) Isopropylbenzene	11.02	105	796324	49.13	ug/l	100
74) N-amyl acetate	6.48	43	377928	47.65	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	253999	50.87	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	285755	65.47	ug/l	80
77) Bromobenzene	11.26	156	225257	48.80	ug/l	97
78) n-propylbenzene	11.37	91	899736	48.76	ug/l	98
79) 2-Chlorotoluene	11.43	91	532553	47.68	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	671275	49.17	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	65293	43.85	ug/l	98
82) 4-Chlorotoluene	11.51	91	632656	47.84	ug/l	98
83) tert-Butylbenzene	11.77	119	676550	50.28	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	691865	48.91	ug/l	98
85) sec-Butylbenzene	11.95	105	792091	48.53	ug/l	99
86) p-Isopropyltoluene	12.07	119	726272	49.49	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	410045	48.64	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	421603	48.59	ug/l	98
89) n-Butylbenzene	12.39	91	599553	46.94	ug/l	99
90) Hexachloroethane	12.60	117	115283	52.82	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	413326	48.57	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	61217	54.54	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	300707	48.56	ug/l	100

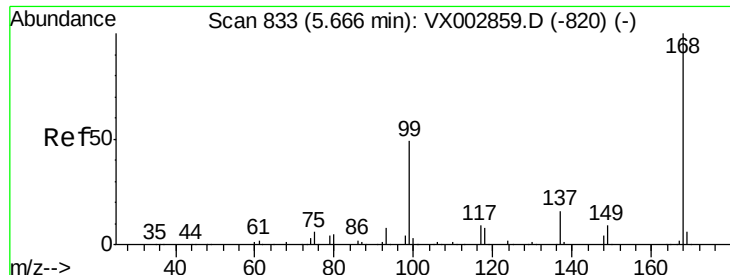
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Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	143605	46.49	ug/l	99
95) Naphthalene	13.83	128	886124	53.72	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	308485	49.87	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

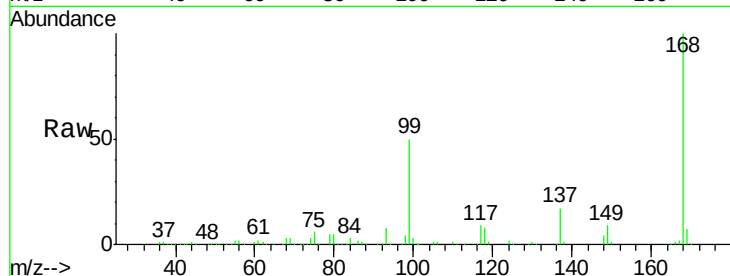
SP18-MMW-3414MSD

Tot Ion:168 Resp: 289111

Ion Ratio Lower Upper

168 100

99 49.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

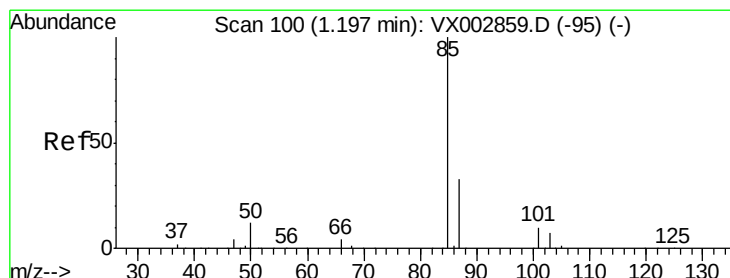
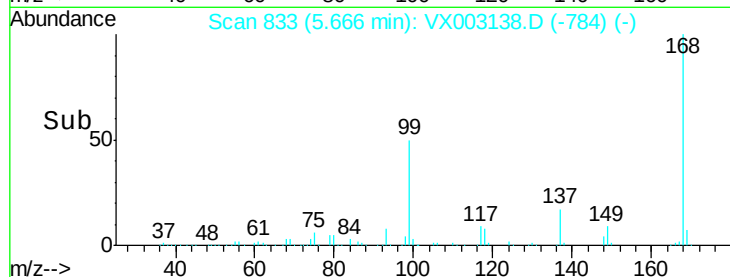
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.42 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003138.D

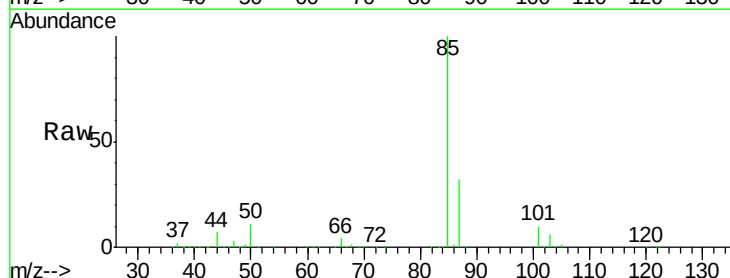
Acq: 02 Jul 2018 20:11

Tgt Ion: 85 Resp: 135263

Ion Ratio Lower Upper

85 100

87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

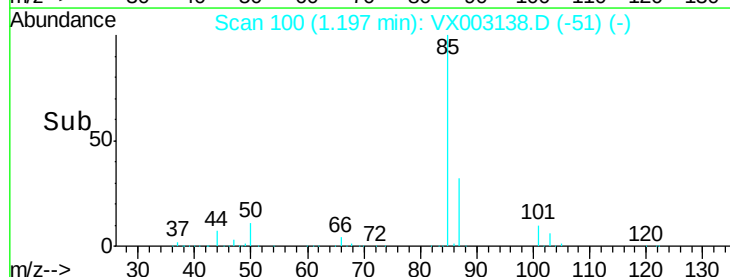
150000

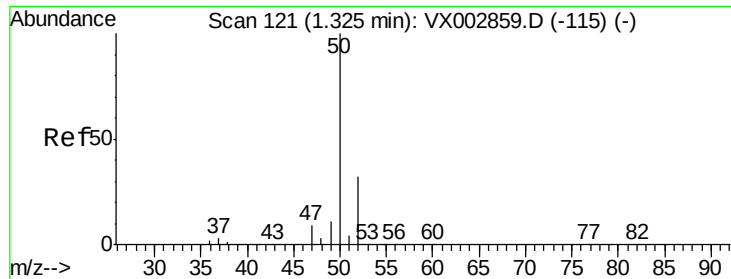
100000

50000

0

Time-->





#3

Chloromethane

Concen: 54.41 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

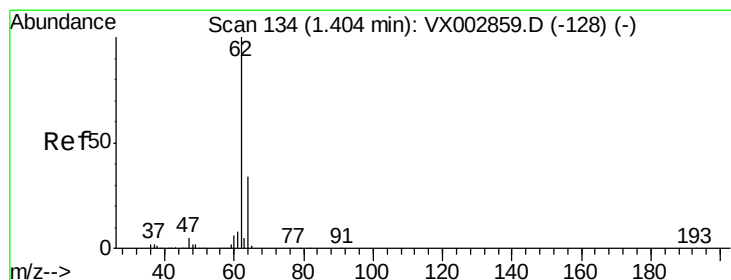
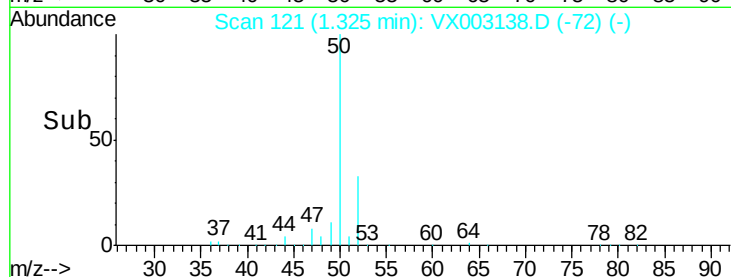
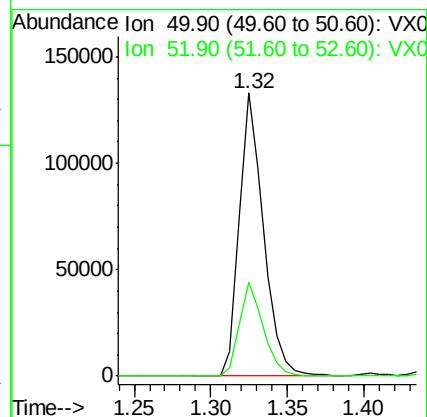
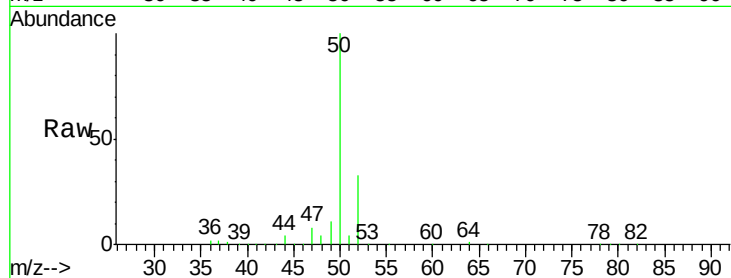
SP18-MMW-3414MSD

Tot Ion: 50 Resp: 145540

Ion Ratio Lower Upper

50 100

52 33.1 25.7 38.5



#4

Vinyl Chloride

Concen: 51.13 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003138.D

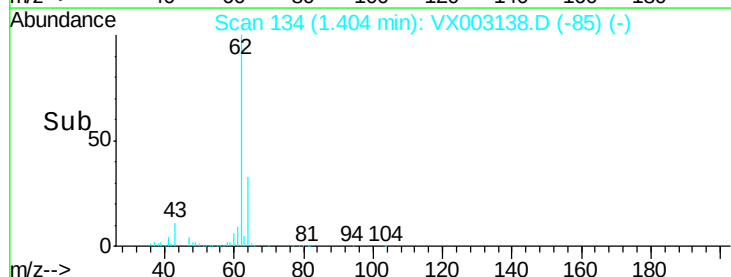
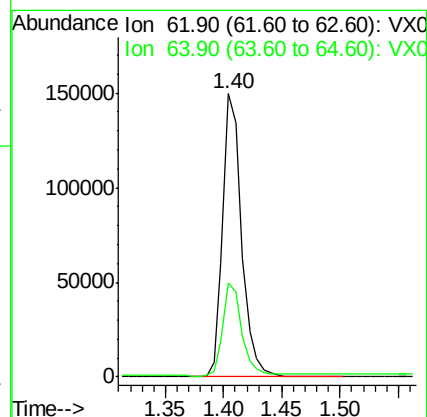
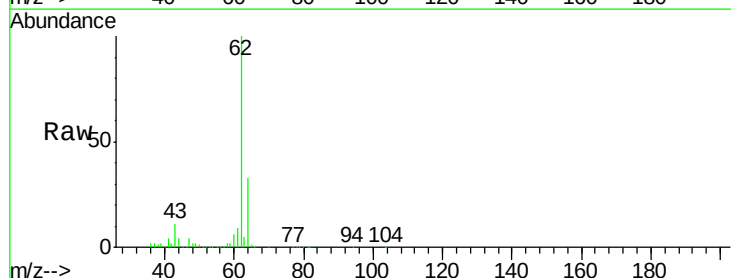
Acq: 02 Jul 2018 20:11

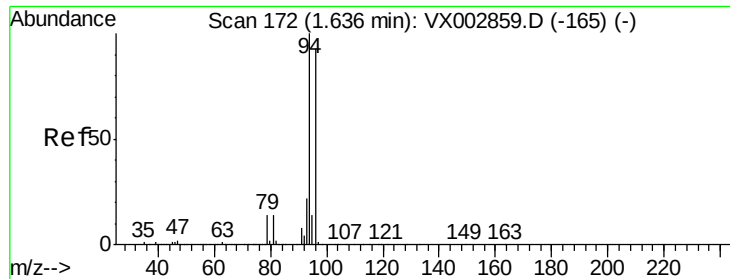
Tgt Ion: 62 Resp: 167187

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2





#5

Bromomethane

Concen: 30.80 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

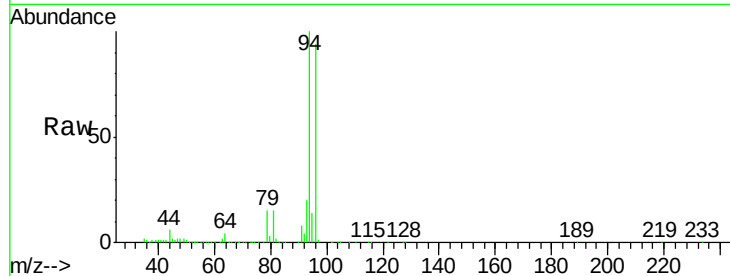
SP18-MMW-3414MSD

Tot Ion: 94 Resp: 48597

Ion Ratio Lower Upper

94 100

96 93.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

60000

50000

40000

30000

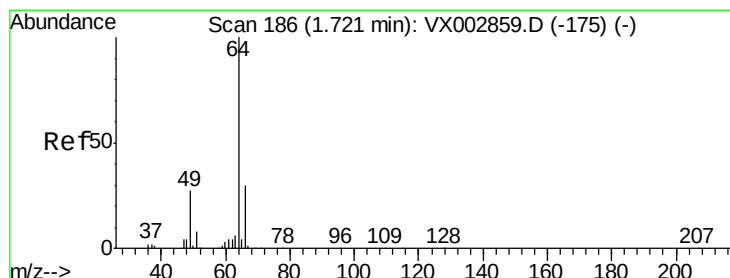
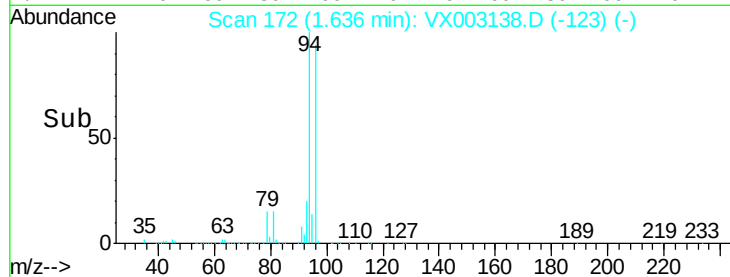
20000

10000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 53.39 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX003138.D

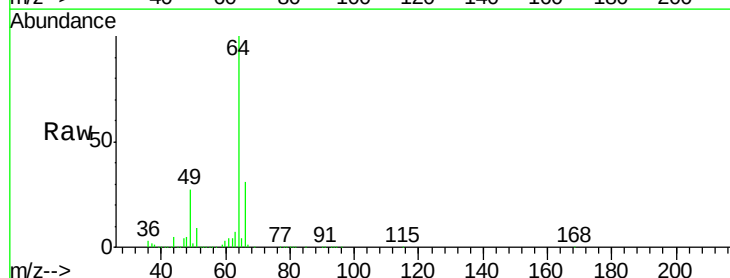
Acq: 02 Jul 2018 20:11

Tgt Ion: 64 Resp: 102145

Ion Ratio Lower Upper

64 100

66 31.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

80000

60000

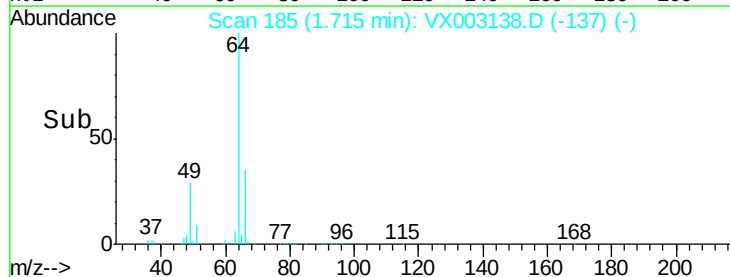
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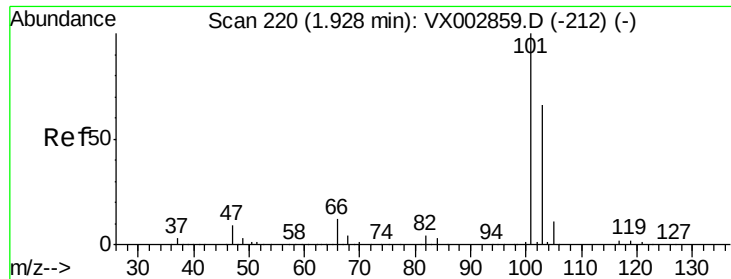
20000

0

Time-->

1.65 1.70 1.75 1.80 1.85



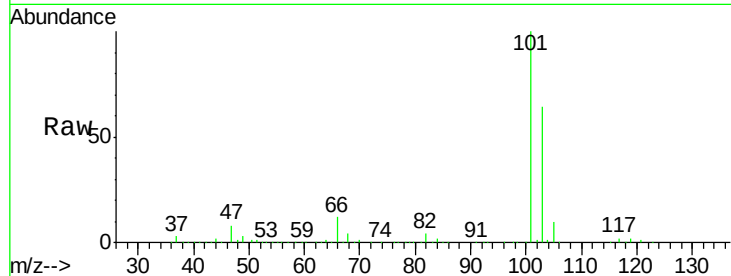


#7

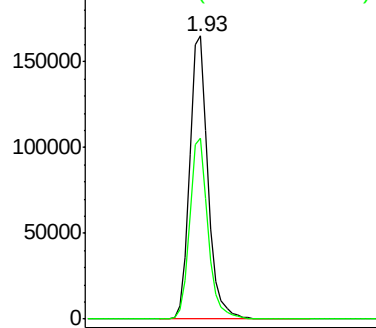
Trichlorofluoromethane
 Concen: 44.99 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

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 SP18-MMW-3414MSD

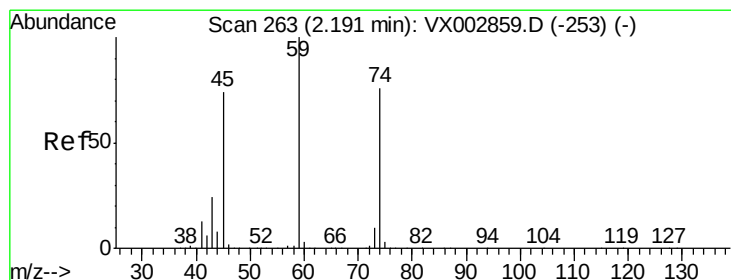
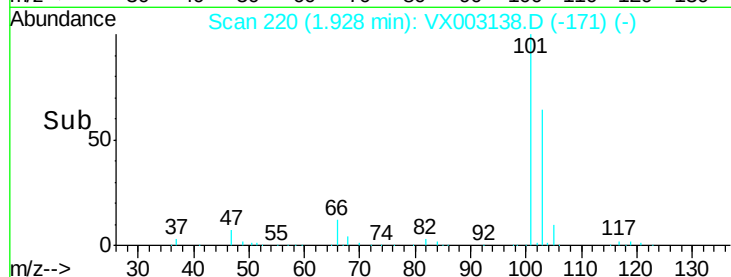
Tot Ion:101 Resp: 248145
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



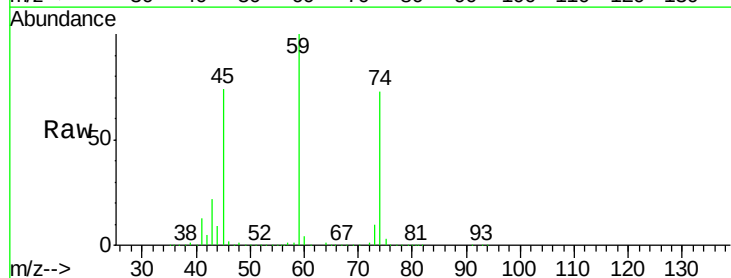
Time--> 1.80 1.90 2.00 2.10



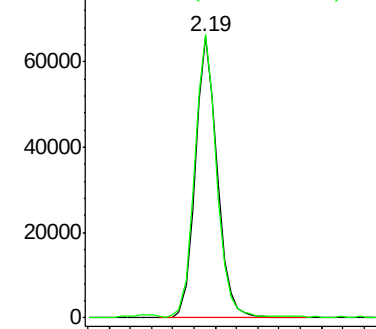
#8

Diethyl Ether
 Concen: 47.30 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

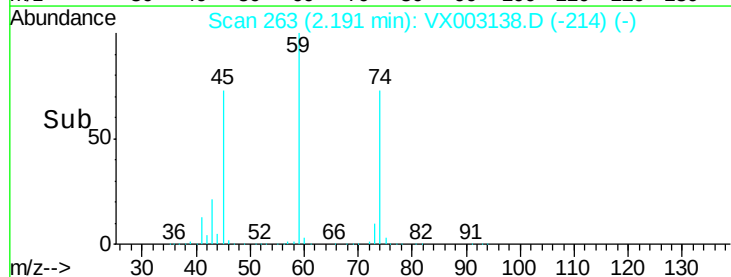
Tgt Ion: 74 Resp: 94837
 Ion Ratio Lower Upper
 74 100
 45 99.7 53.1 159.4

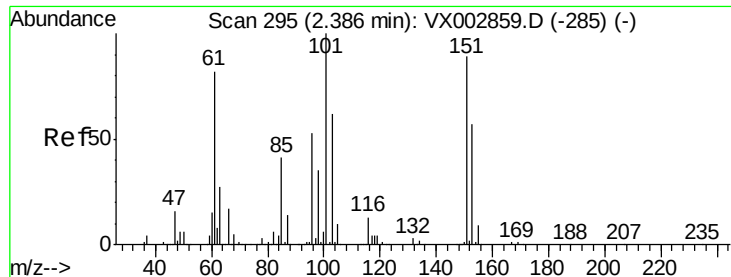


Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0



Time--> 2.10 2.20 2.30





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.86 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

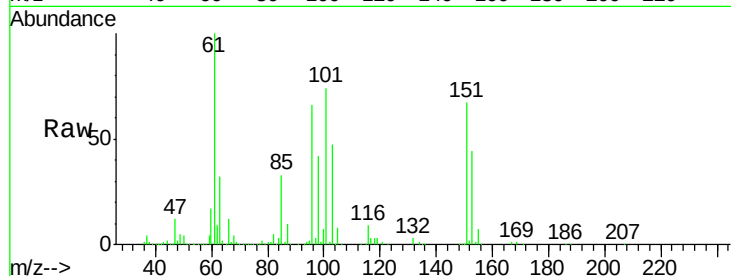
Tot Ion:101 Resp: 140165

Ion Ratio Lower Upper

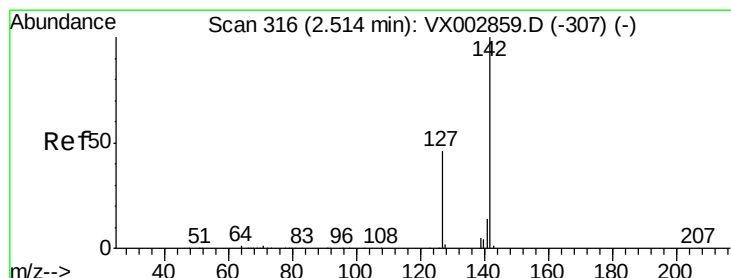
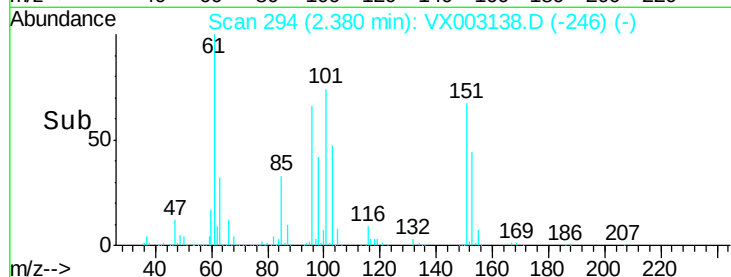
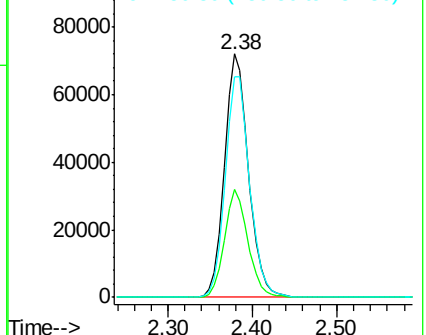
101 100

85 43.5 36.0 54.0

151 92.3 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.44 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

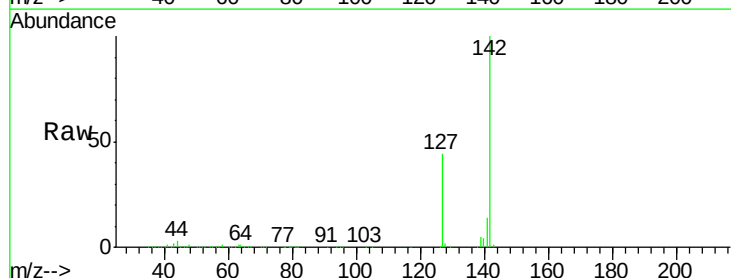
Tgt Ion:142 Resp: 145166

Ion Ratio Lower Upper

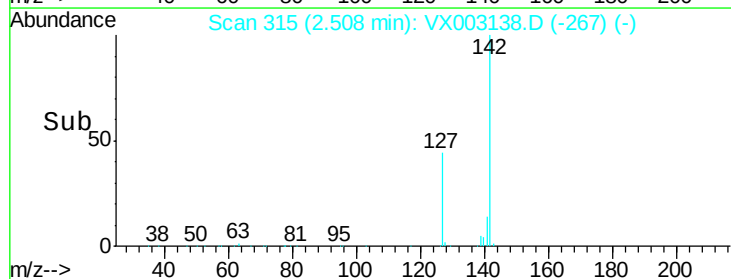
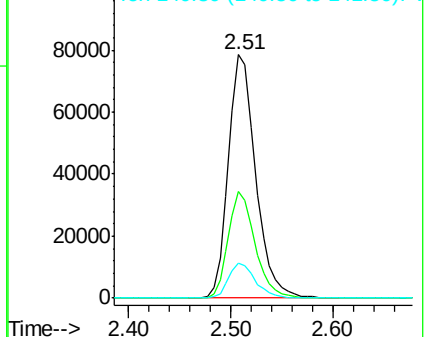
142 100

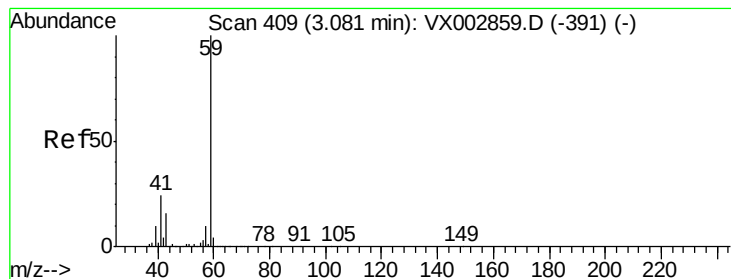
127 43.2 36.6 55.0

141 14.4 11.3 16.9



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



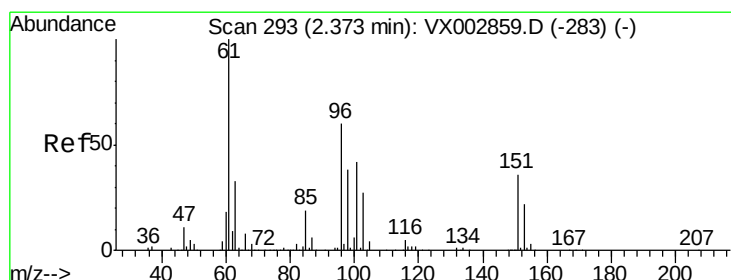
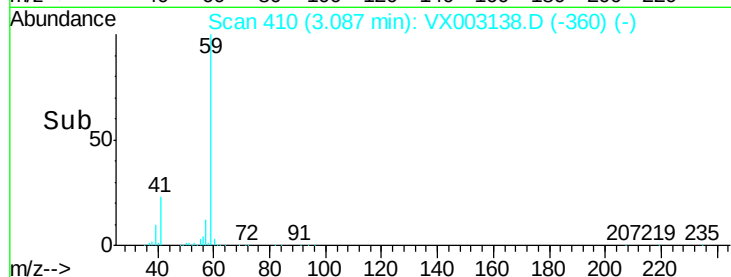
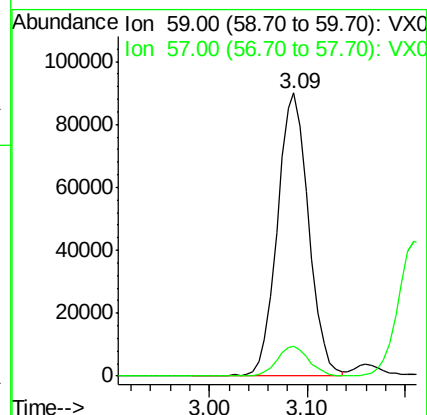
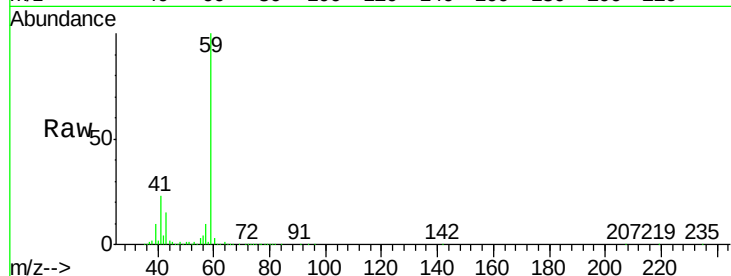


#11

Tert butyl alcohol
Concen: 252.32 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

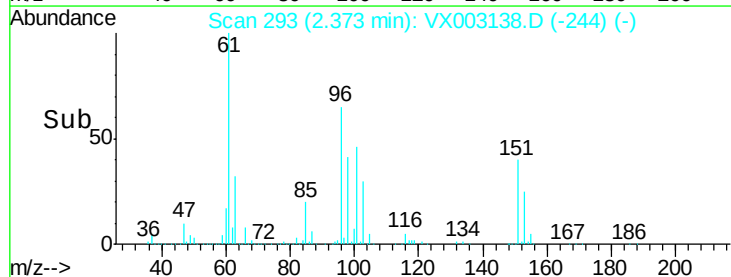
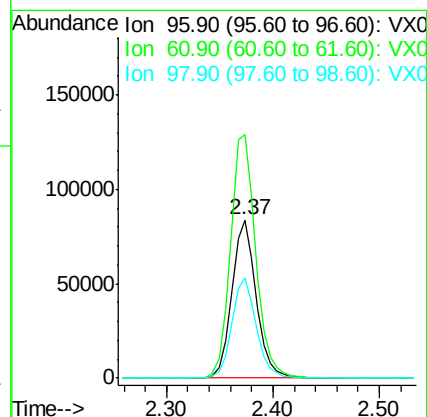
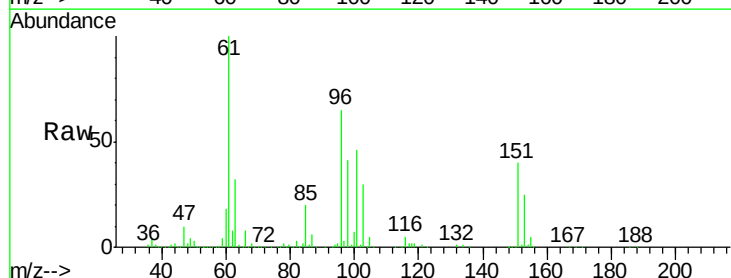
Tot Ion: 59 Resp: 200865
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2

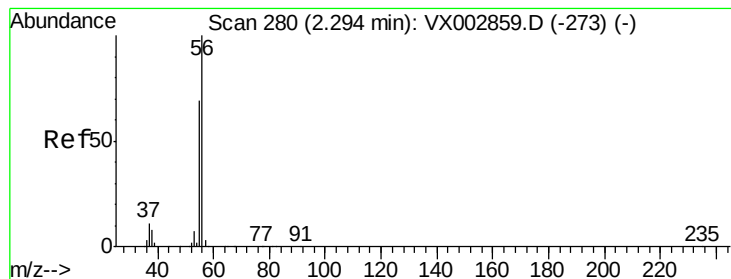


#12

1,1-Dichloroethene
Concen: 47.01 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion: 96 Resp: 134038
Ion Ratio Lower Upper
96 100
61 153.6 137.9 206.9
98 63.4 51.6 77.4





#13

Acrolein

Concen: 153.92 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

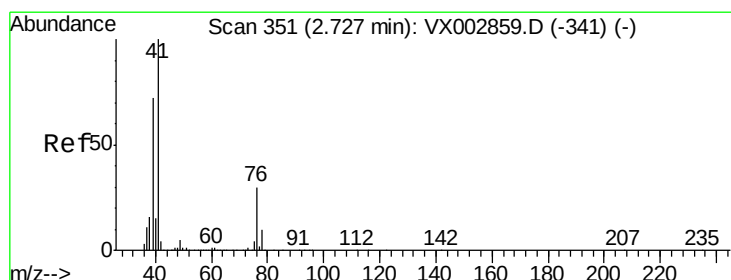
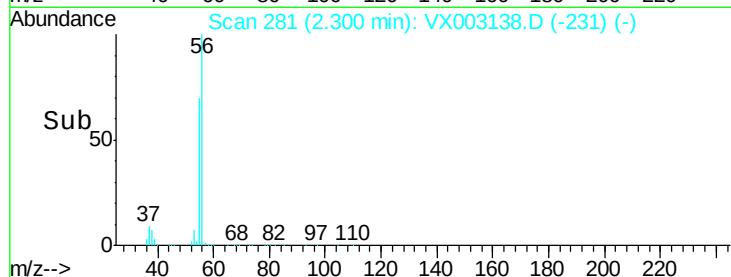
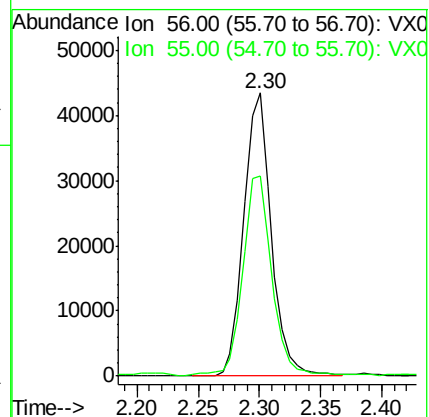
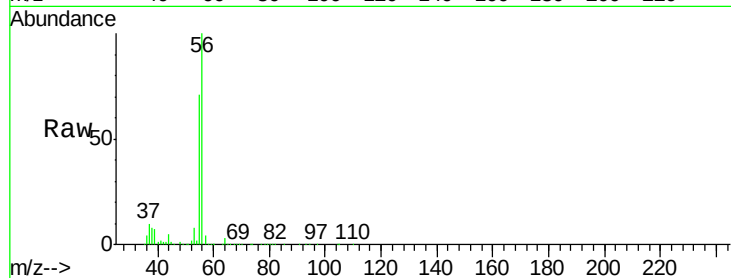
SP18-MMW-3414MSD

Tot Ion: 56 Resp: 67199

Ion Ratio Lower Upper

56 100

55 74.2 57.0 85.4



#14

Allyl chloride

Concen: 45.92 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

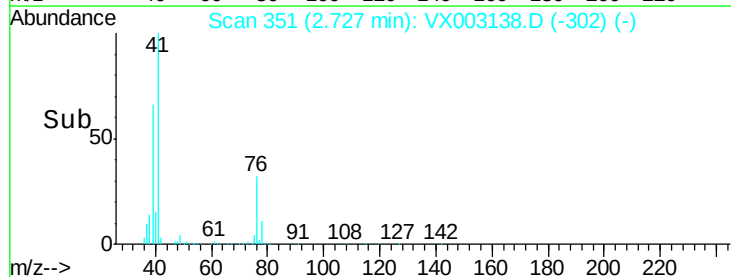
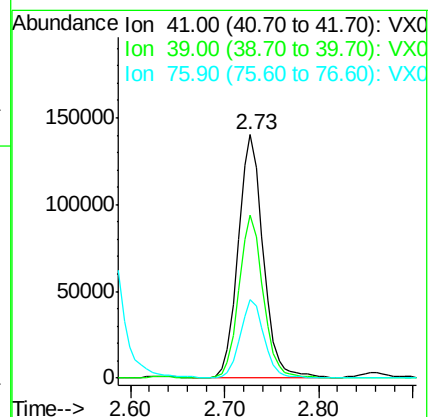
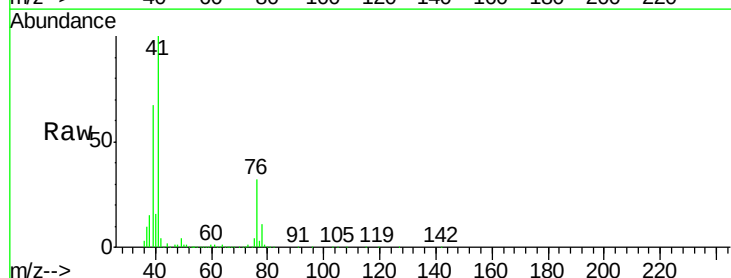
Tgt Ion: 41 Resp: 258088

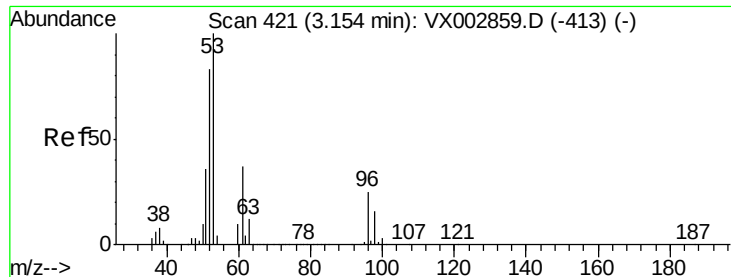
Ion Ratio Lower Upper

41 100

39 64.3 56.8 85.2

76 30.6 23.8 35.8





#15

Acrylonitrile

Concen: 249.93 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

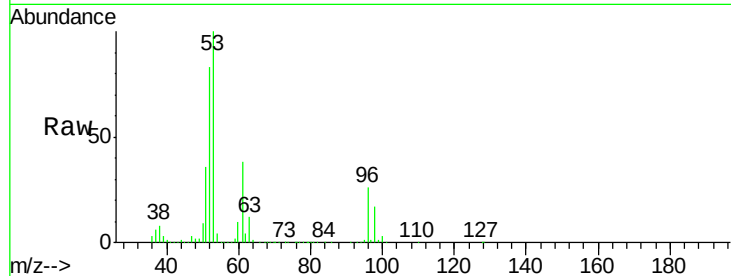
Tot Ion: 53 Resp: 424970

Ion Ratio Lower Upper

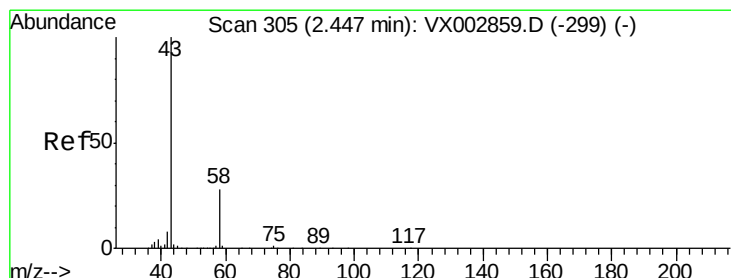
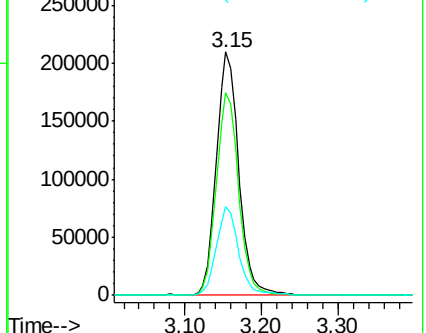
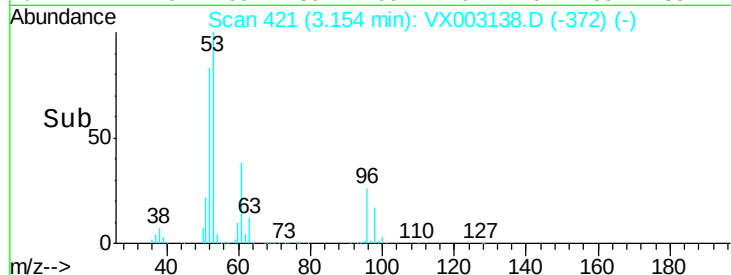
53 100

52 82.7 66.7 100.1

51 36.5 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX003138.D (-372) (-)



#16

Acetone

Concen: 239.37 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003138.D

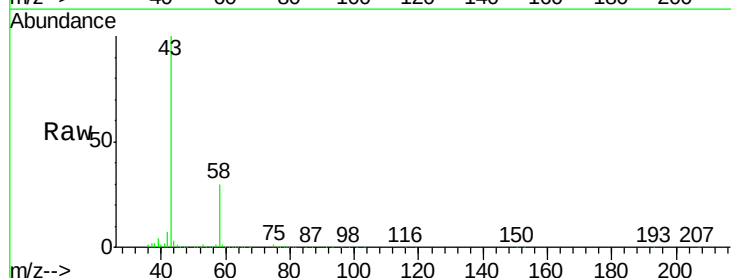
Acq: 02 Jul 2018 20:11

Tgt Ion: 43 Resp: 396128

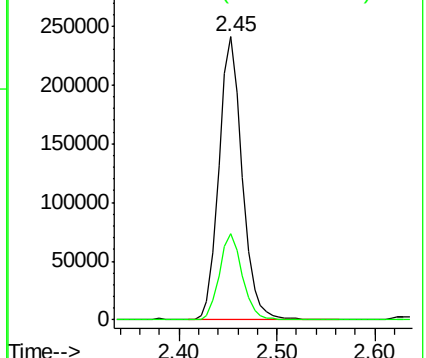
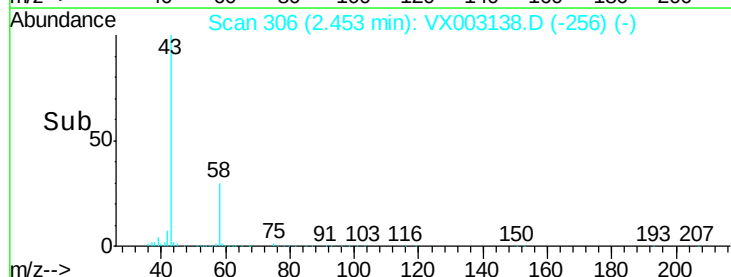
Ion Ratio Lower Upper

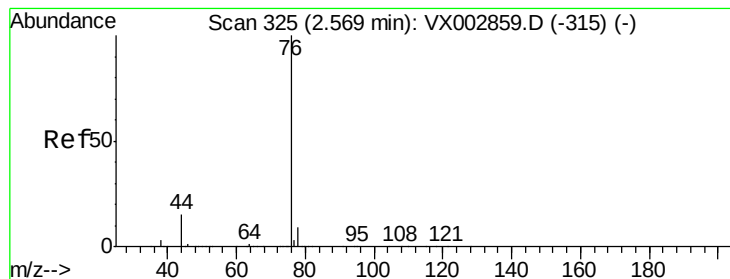
43 100

58 30.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX003138.D (-256) (-)





#17

Carbon Disulfide

Concen: 49.58 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

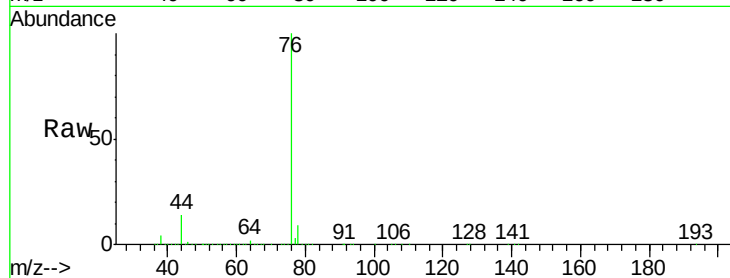
SP18-MMW-3414MSD

Tot Ion: 76 Resp: 376667

Ion Ratio Lower Upper

76 100

78 9.0 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

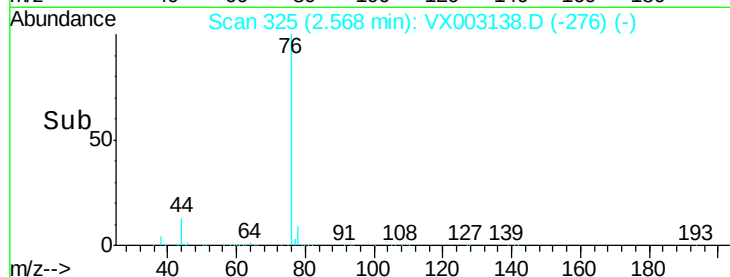
150000

100000

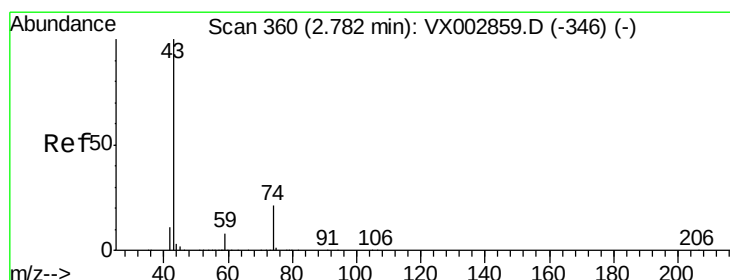
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 47.10 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003138.D

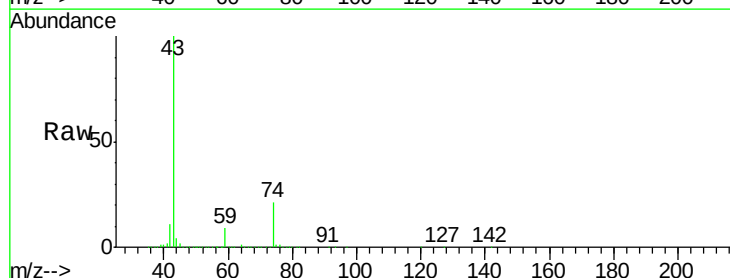
Acq: 02 Jul 2018 20:11

Tgt Ion: 43 Resp: 217912

Ion Ratio Lower Upper

43 100

74 21.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

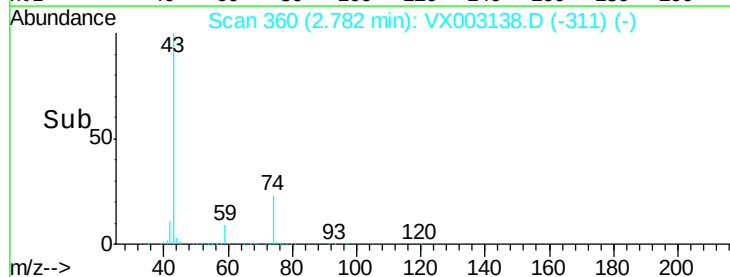
Ion 74.00 (73.70 to 74.70): VX0

100000

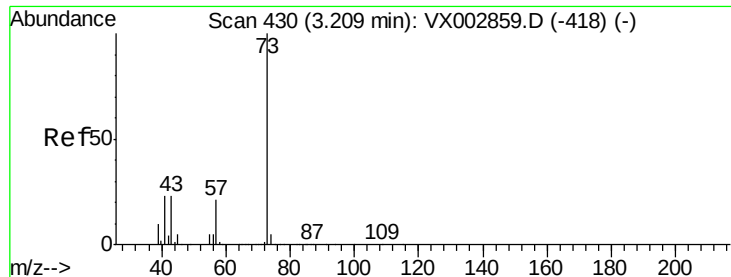
50000

0

Time-->



Time-->



#19

Methyl tert-butyl Ether

Concen: 46.23 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

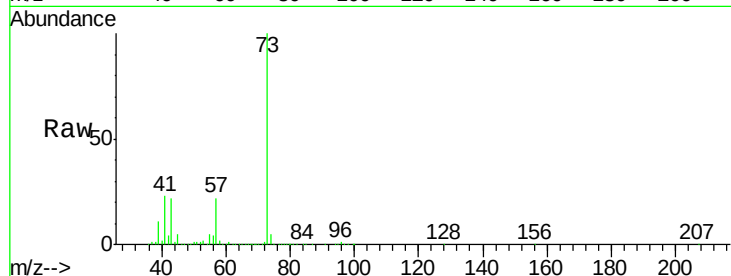
SP18-MMW-3414MSD

Tot Ion: 73 Resp: 473873

Ion Ratio Lower Upper

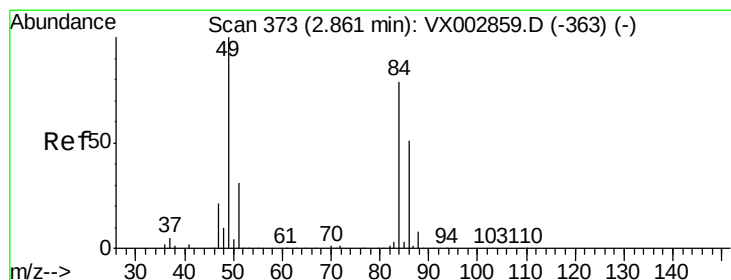
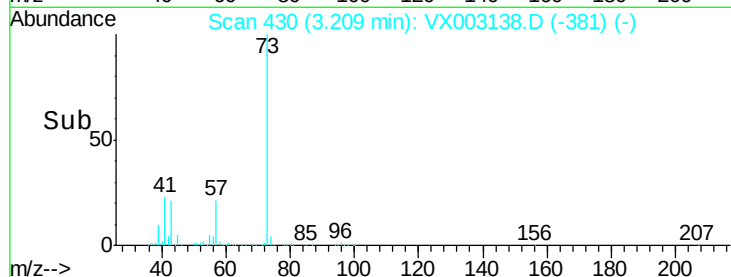
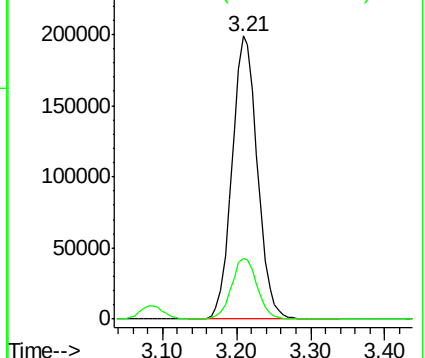
73 100

57 21.5 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 46.80 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Tgt Ion: 84 Resp: 150720

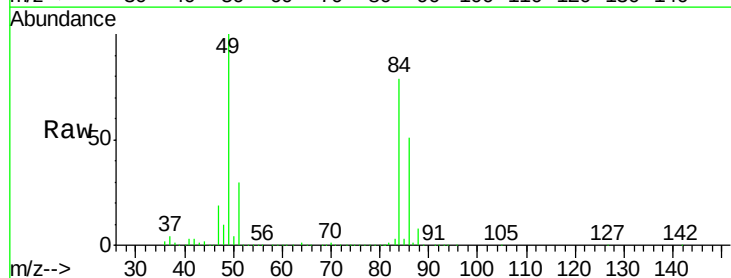
Ion Ratio Lower Upper

84 100

49 126.1 107.8 161.6

51 38.3 32.8 49.2

86 64.5 52.5 78.7

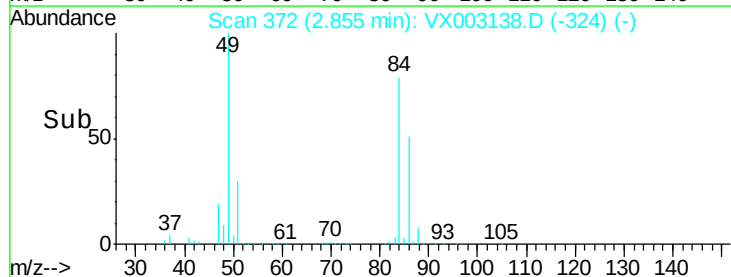
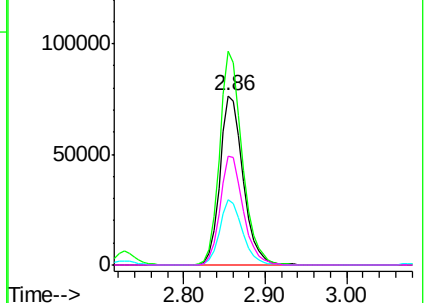


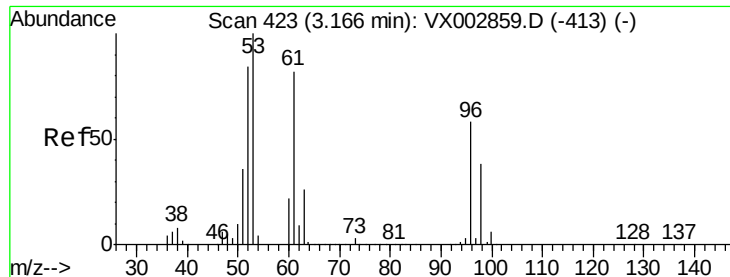
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 46.87 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

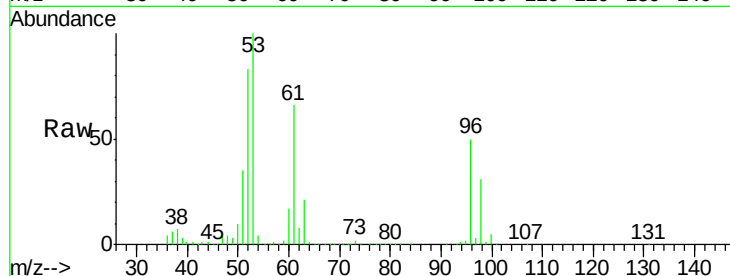
Tot Ion: 96 Resp: 145563

Ion Ratio Lower Upper

96 100

61 131.6 117.0 175.4

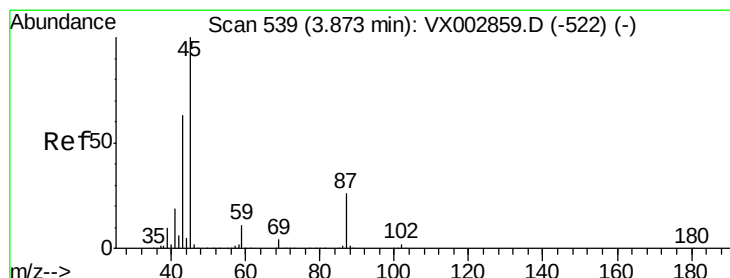
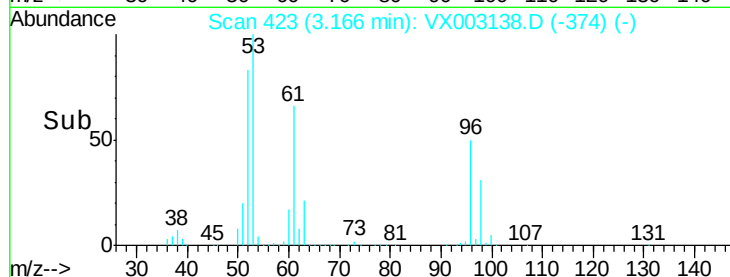
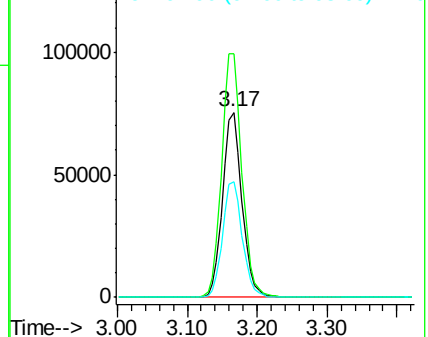
98 62.9 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 45.41 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Tgt Ion: 45 Resp: 487888

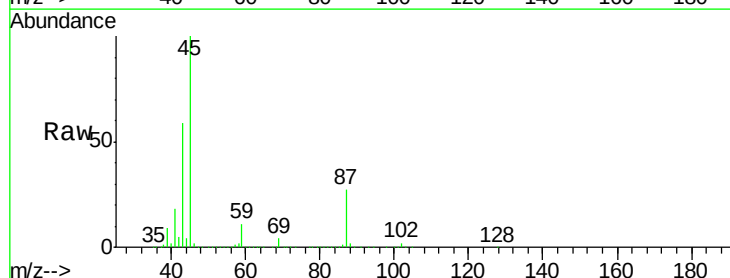
Ion Ratio Lower Upper

45 100

43 59.3 46.8 70.2

87 27.3 20.2 30.4

59 11.0 8.7 13.1

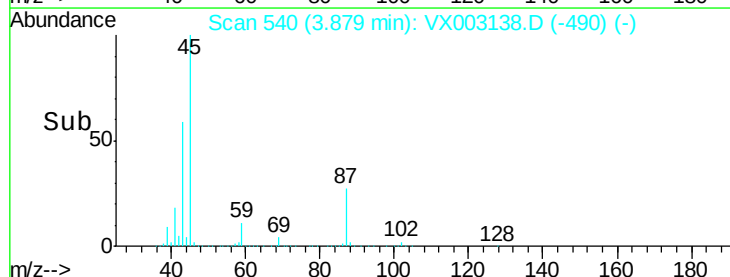
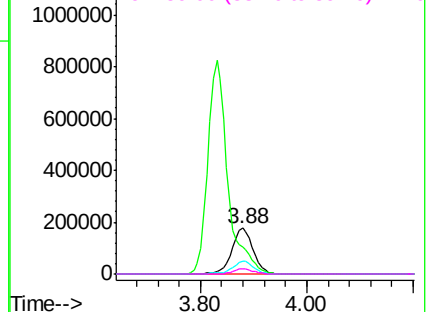


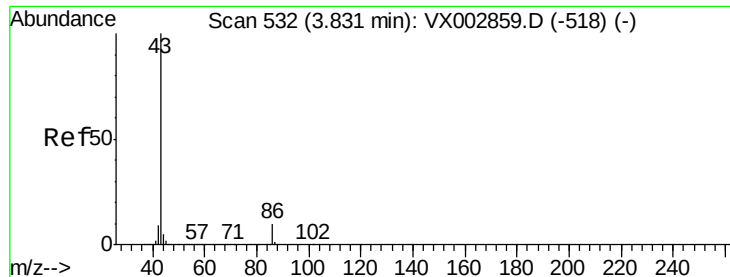
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 232.87 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

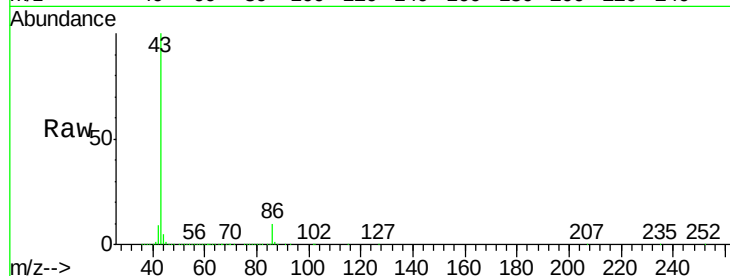
SP18-MMW-3414MSD

Tot Ion: 43 Resp: 2118504

Ion Ratio Lower Upper

43 100

86 9.8 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

800000

600000

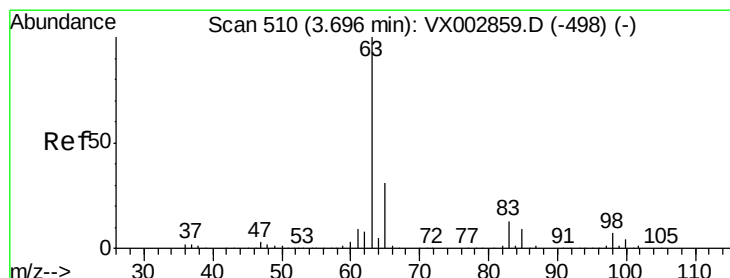
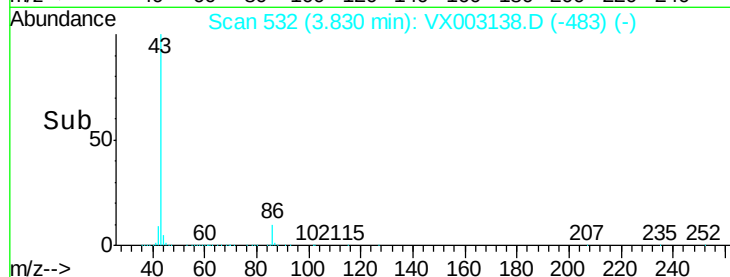
400000

200000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 46.27 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

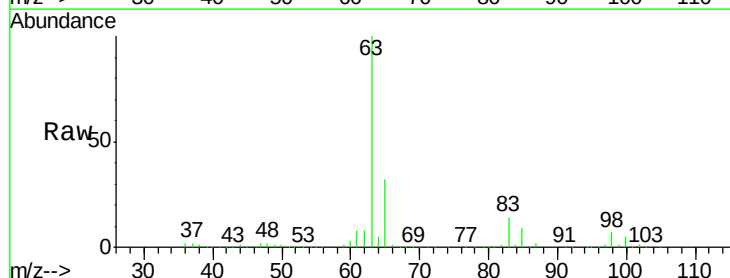
Tgt Ion: 63 Resp: 270204

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

150000

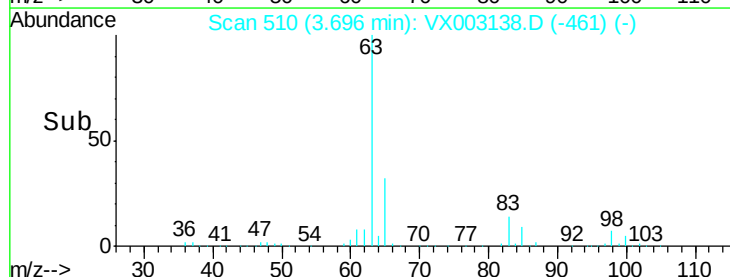
100000

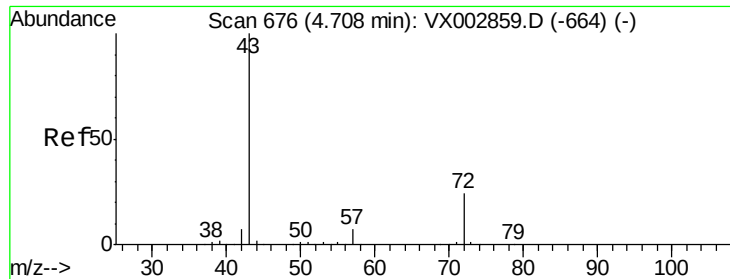
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 269.48 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

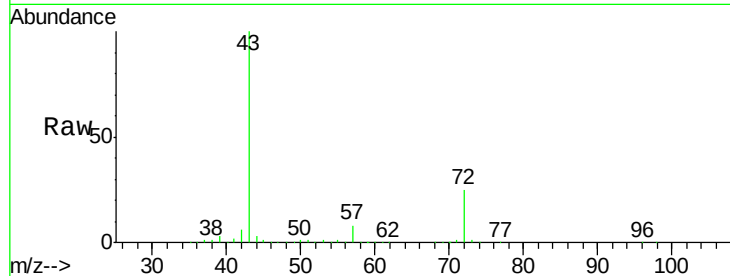
SP18-MMW-3414MSD

Tot Ion: 43 Resp: 661840

Ion Ratio Lower Upper

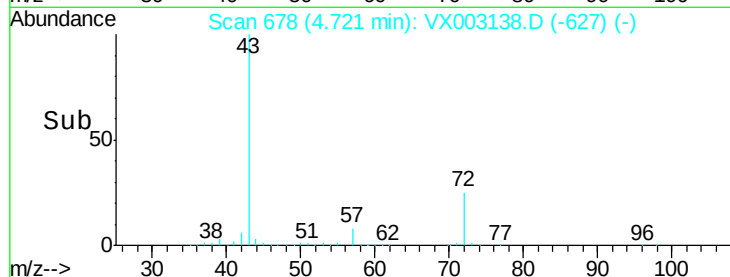
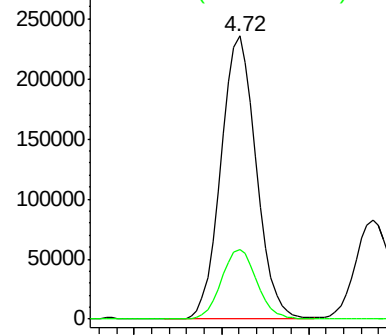
43 100

72 24.6 18.5 27.7

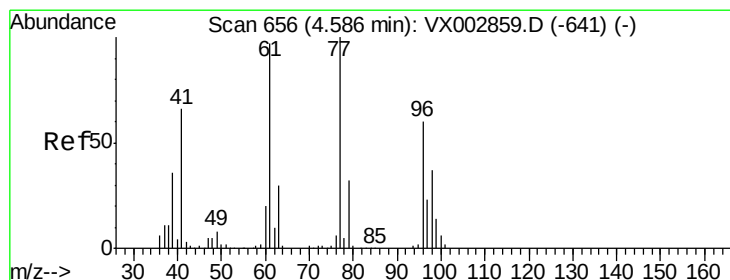


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#26

2,2-Dichloropropane

Concen: 36.77 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003138.D

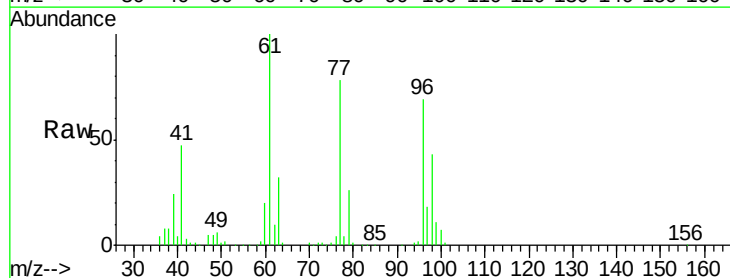
Acq: 02 Jul 2018 20:11

Tgt Ion: 77 Resp: 174606

Ion Ratio Lower Upper

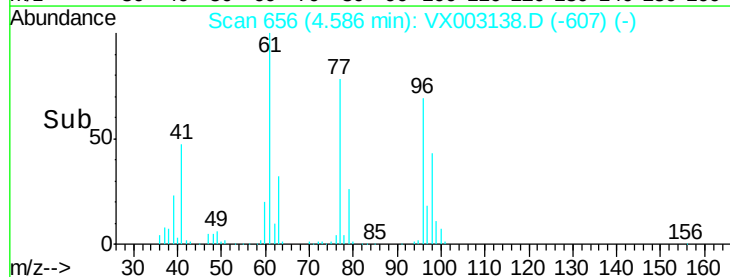
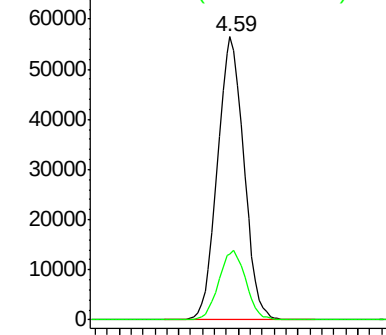
77 100

97 25.2 11.2 33.5

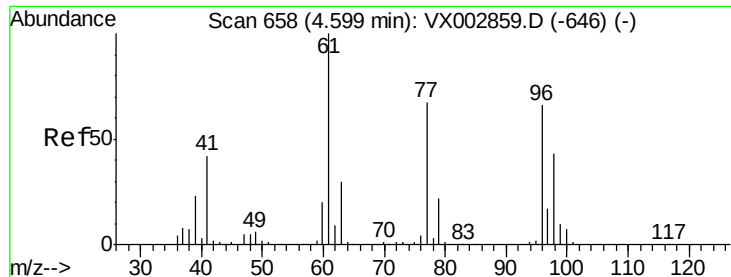


Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 55.58 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

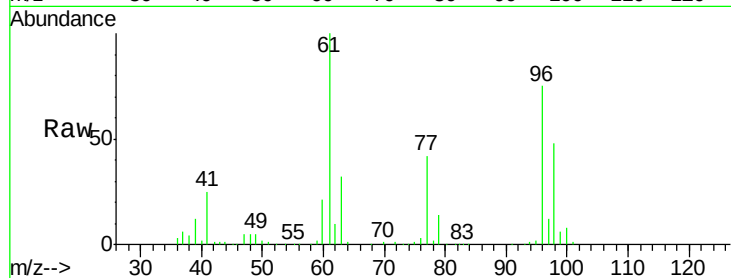
Tot Ion: 96 Resp: 193541

Ion Ratio Lower Upper

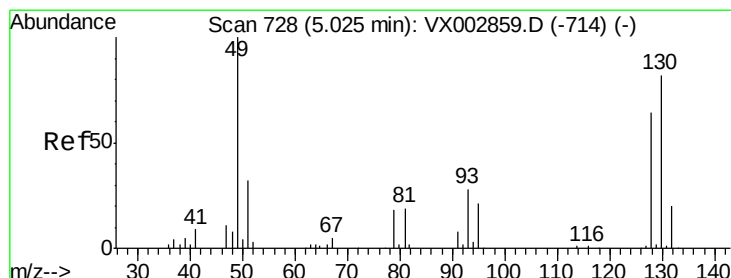
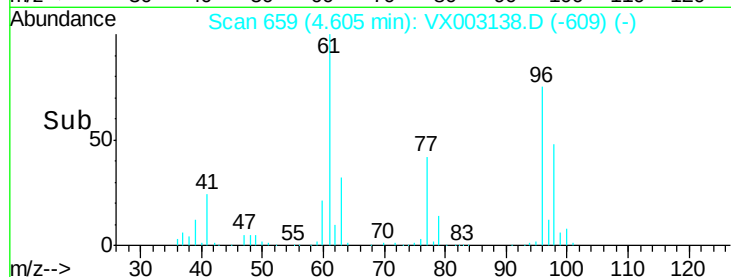
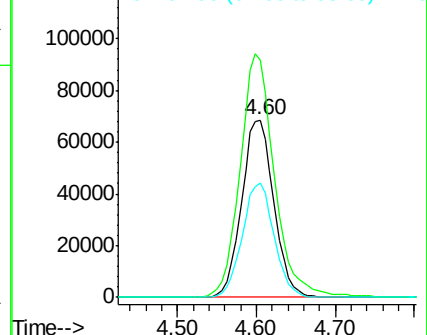
96 100

61 147.5 0.0 330.2

98 64.1 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 47.61 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

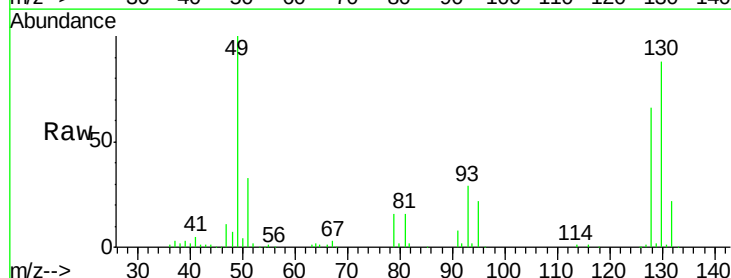
Tgt Ion: 49 Resp: 133063

Ion Ratio Lower Upper

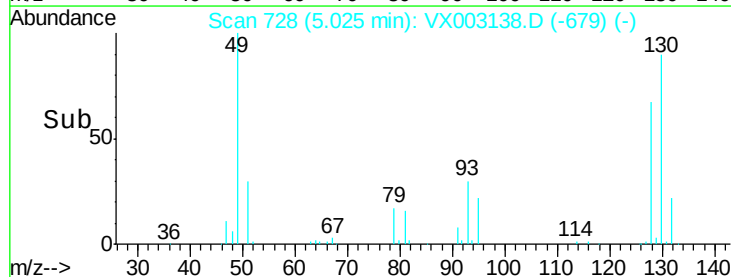
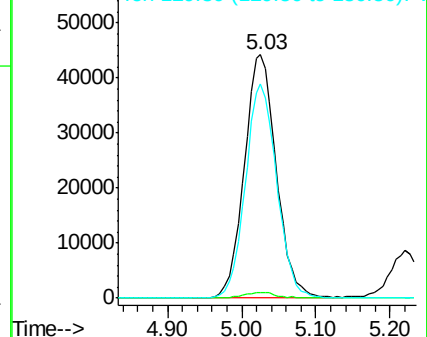
49 100

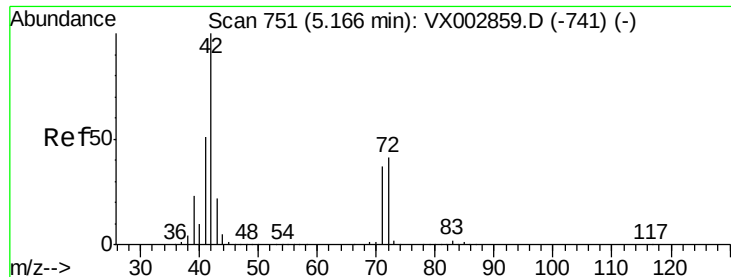
129 2.4 0.0 4.2

130 86.1 61.2 91.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

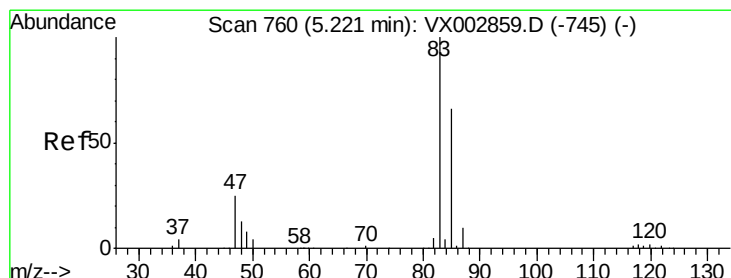
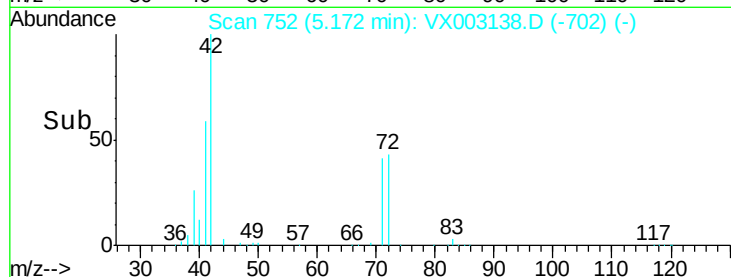
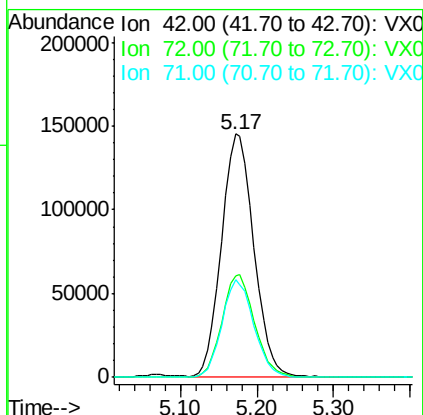
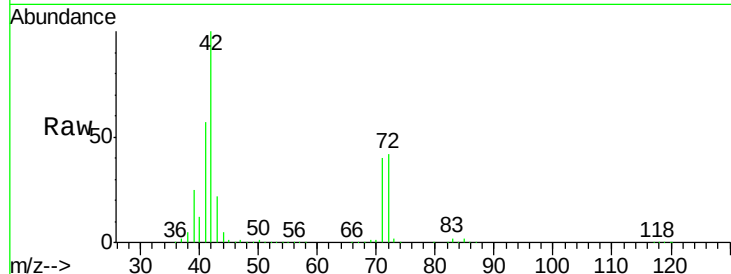




#29
Tetrahydrofuran
Concen: 269.51 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

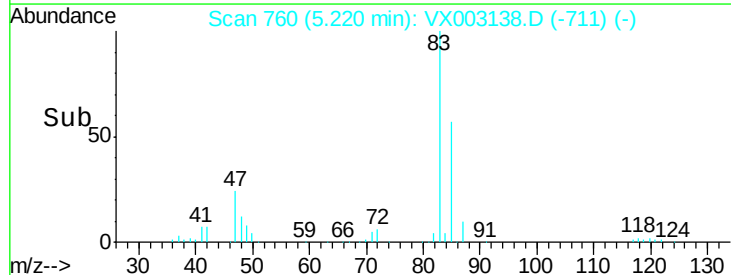
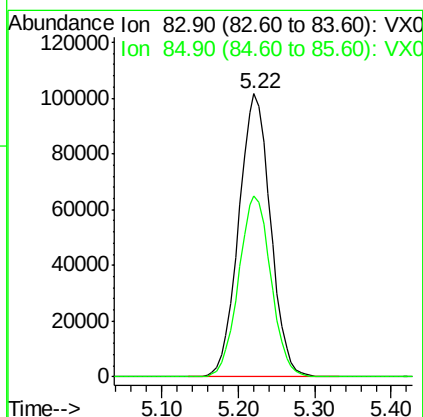
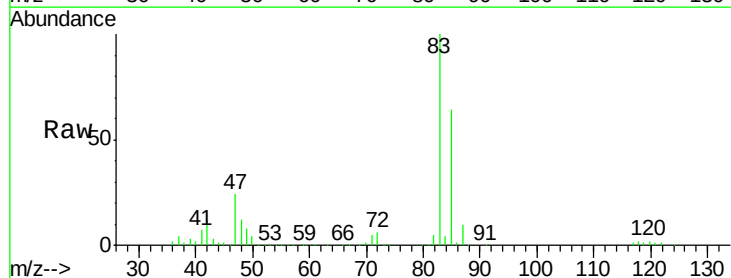
Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

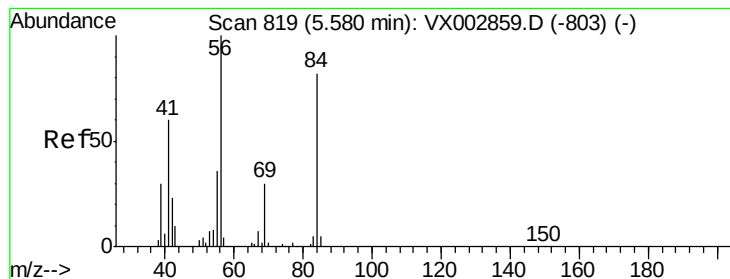
Tot Ion: 42 Resp: 424475
Ion Ratio Lower Upper
42 100
72 42.5 32.0 48.0
71 39.7 30.1 45.1



#30
Chloroform
Concen: 48.89 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion: 83 Resp: 293011
Ion Ratio Lower Upper
83 100
85 64.0 50.4 75.6





#31

Cyclohexane

Concen: 49.28 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

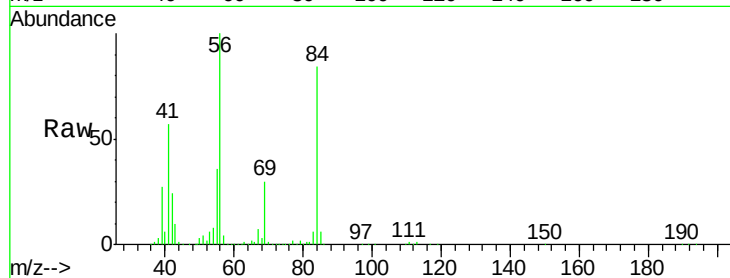
Tot Ion: 56 Resp: 246977

Ion Ratio Lower Upper

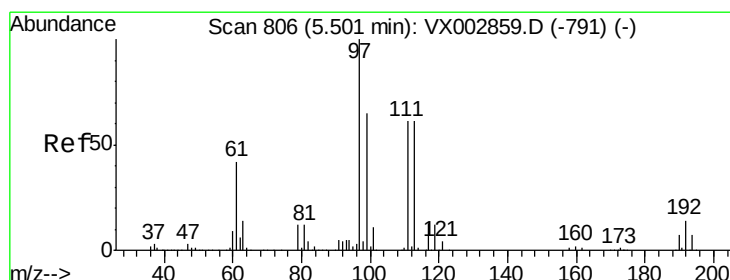
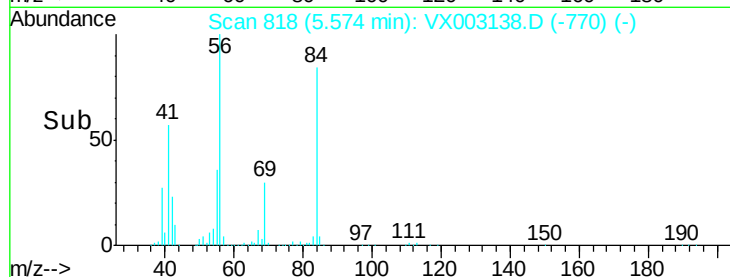
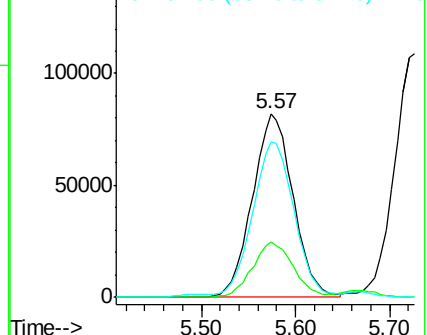
56 100

69 30.1 23.7 35.5

84 82.8 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 49.56 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

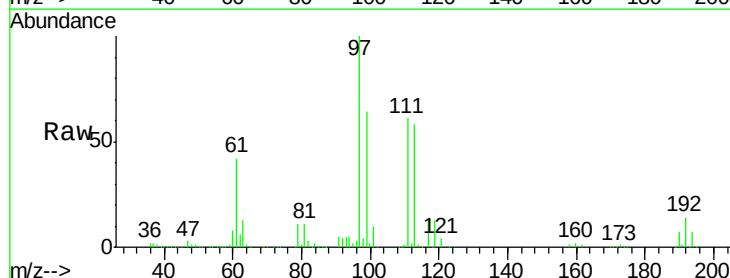
Tgt Ion: 97 Resp: 261286

Ion Ratio Lower Upper

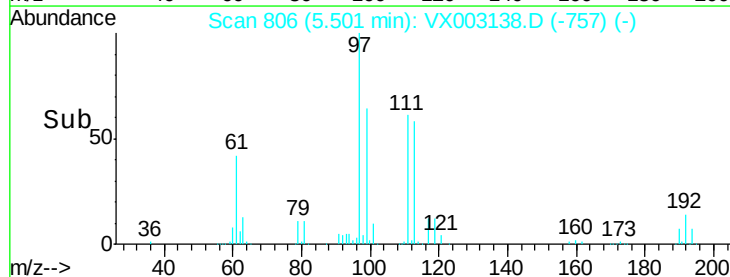
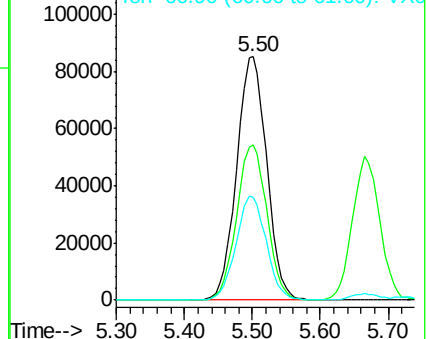
97 100

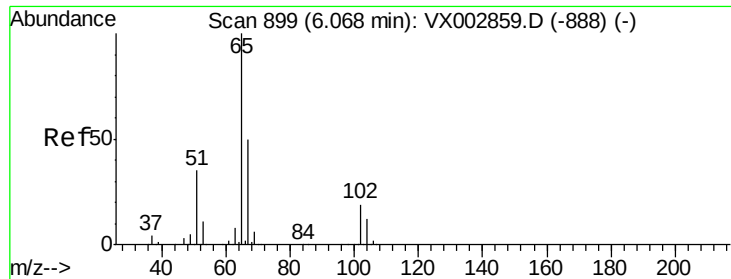
99 64.2 51.6 77.4

61 43.2 36.4 54.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

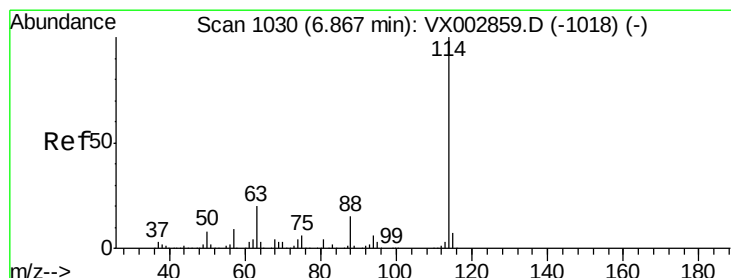
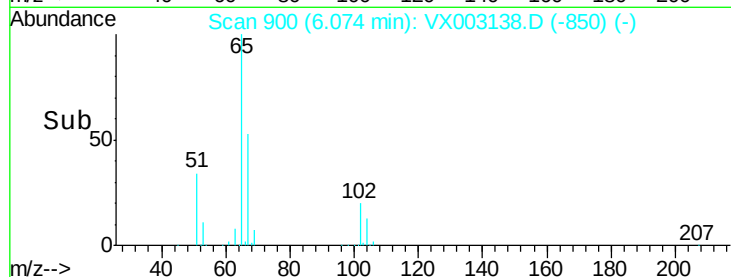
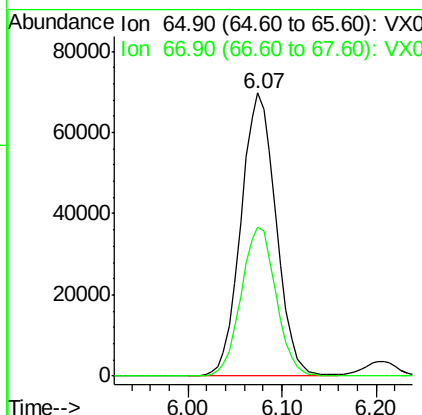
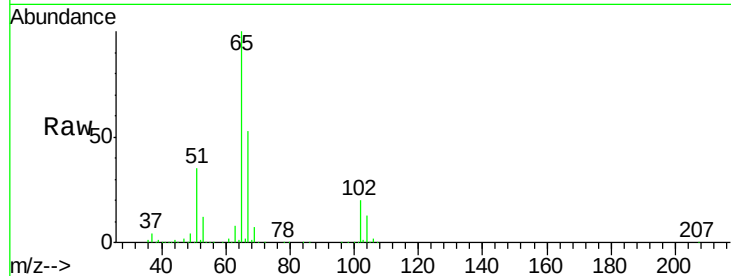




#33
 1,2-Dichloroethane-d4
 Concen: 45.22 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

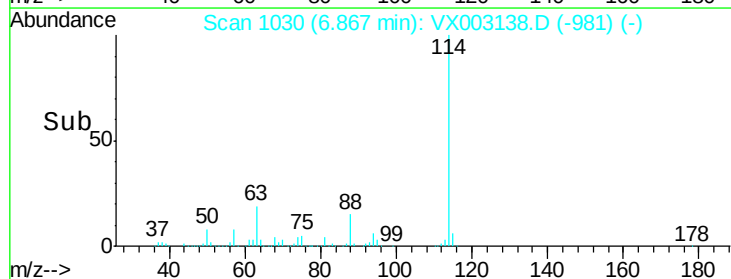
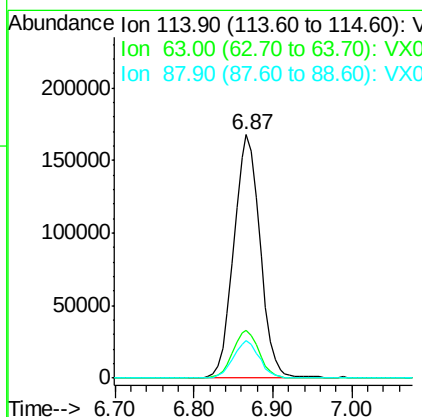
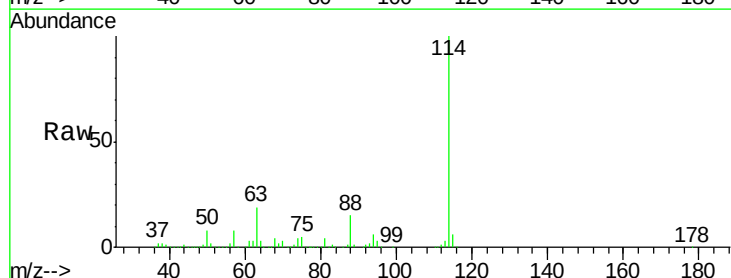
Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

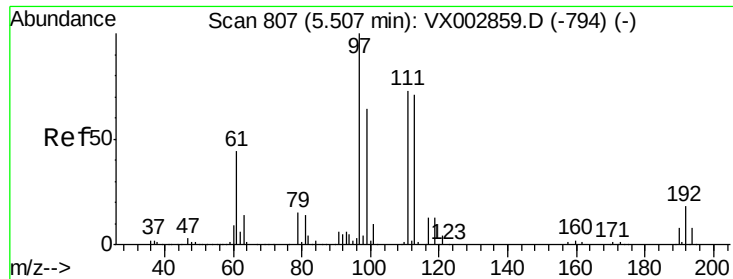
Tot Ion: 65 Resp: 180708
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion: 114 Resp: 388892
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.4
 88 15.4 0.0 30.0

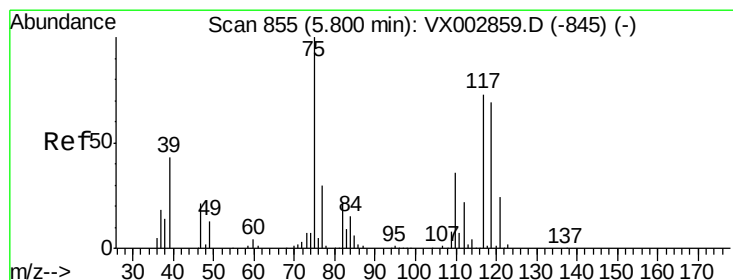
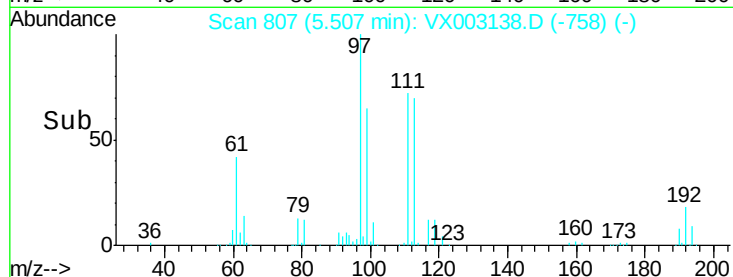
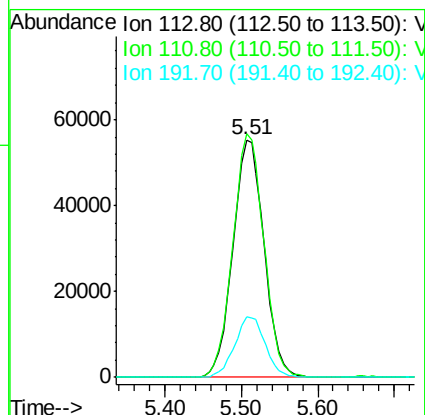
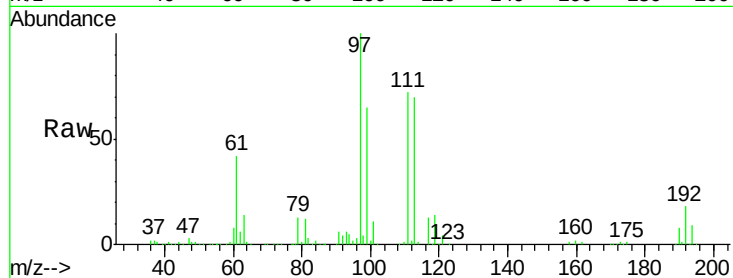




#35
Dibromofluoromethane
Concen: 50.52 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

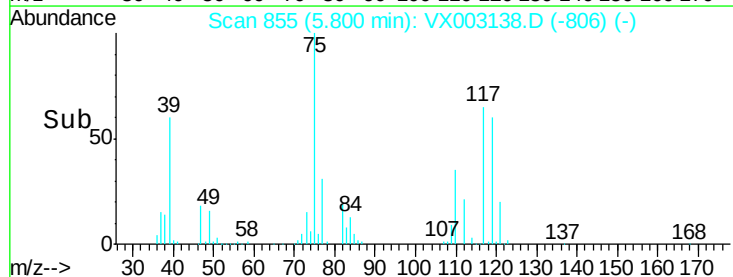
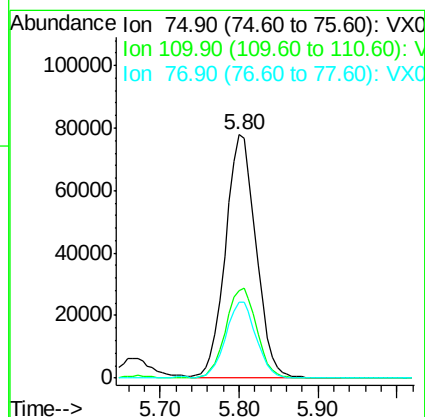
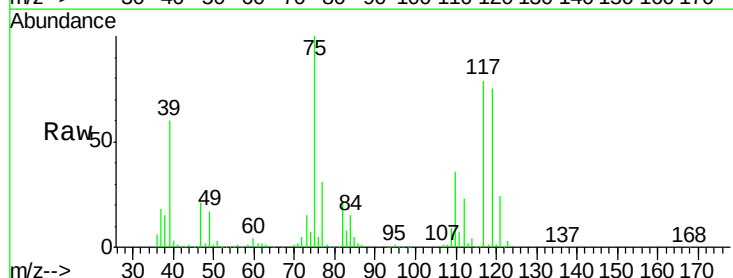
Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

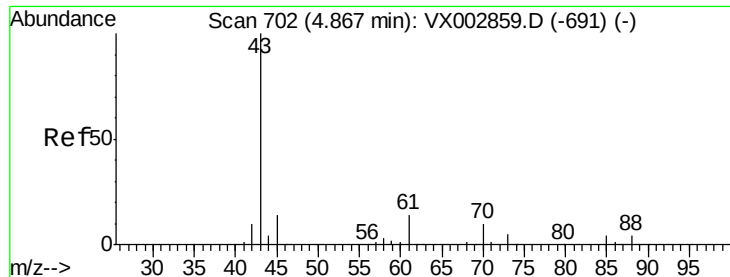
Tot Ion:113 Resp: 155573
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 25.1 19.1 28.7



#36
1,1-Dichloropropene
Concen: 48.97 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion: 75 Resp: 208827
Ion Ratio Lower Upper
75 100
110 37.6 18.1 54.4
77 31.4 24.3 36.5

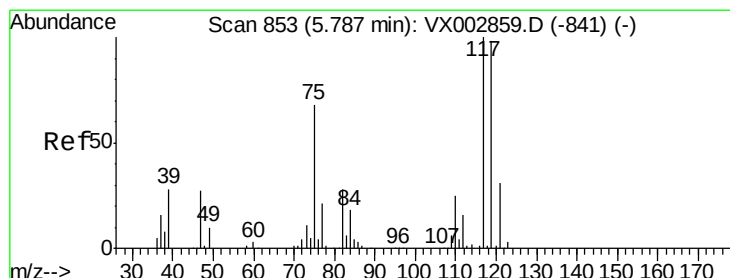
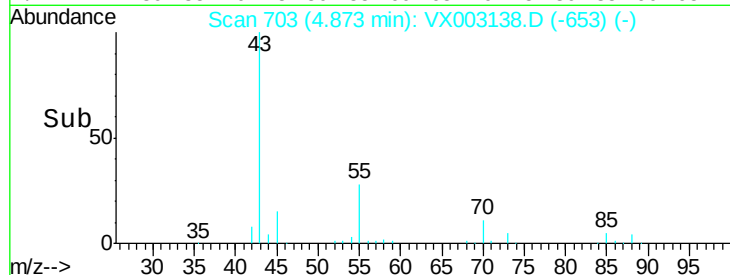
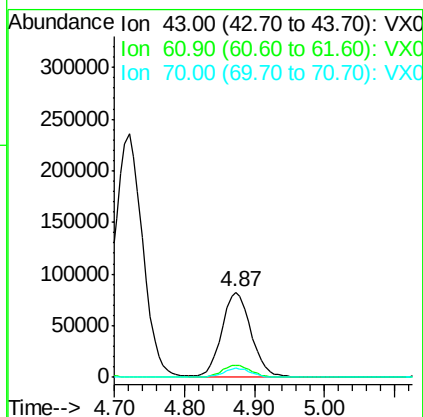
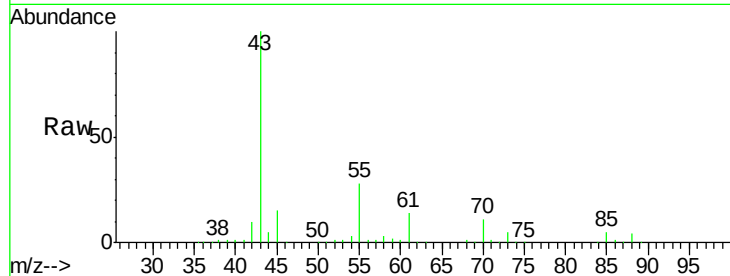




#37
Ethyl Acetate
Concen: 52.20 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

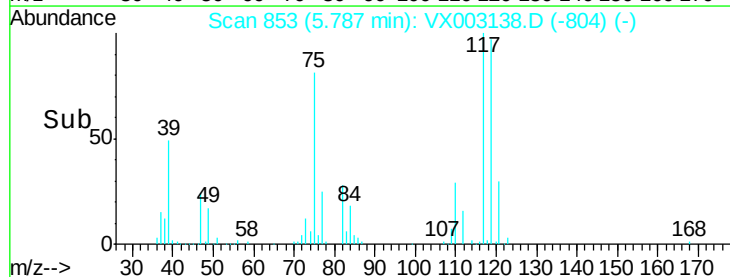
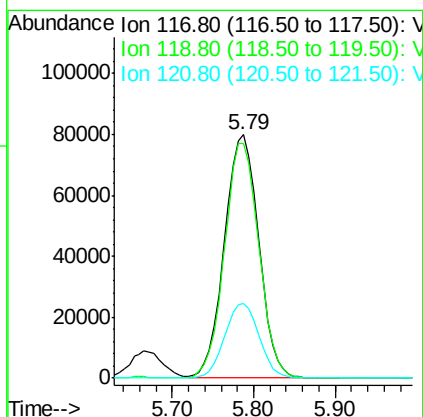
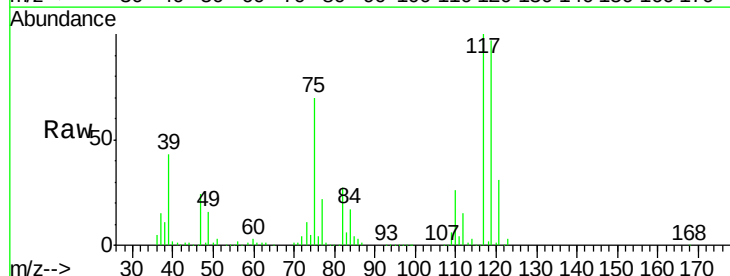
Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

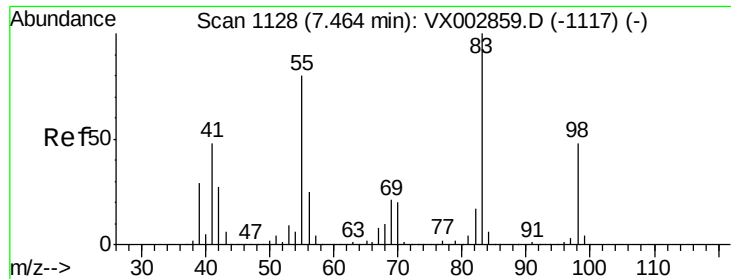
Tot Ion: 43 Resp: 239681
Ion Ratio Lower Upper
43 100
61 14.2 10.4 15.6
70 10.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.82 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion: 117 Resp: 233150
Ion Ratio Lower Upper
117 100
119 96.5 77.4 116.0
121 30.5 24.4 36.6

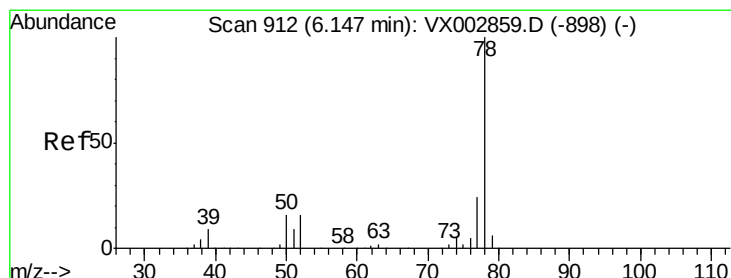
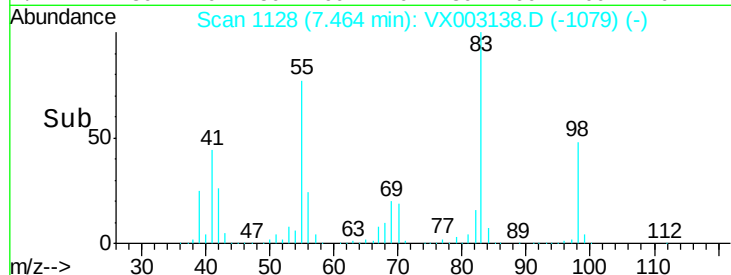
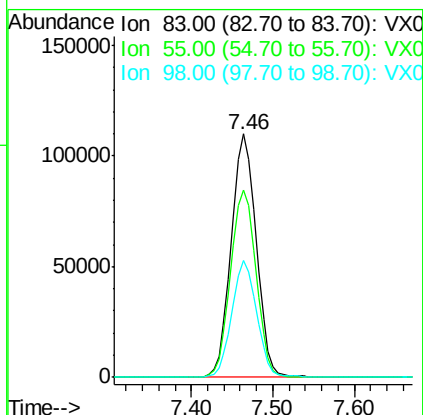
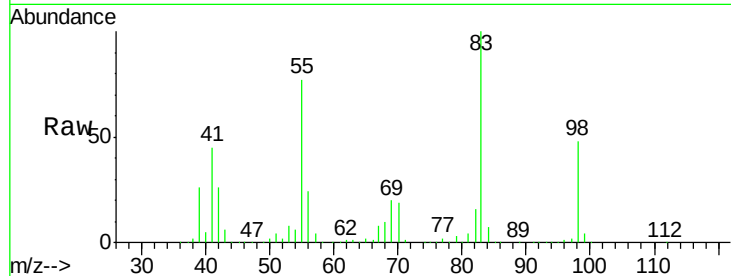




#39
Methylvlcyclohexane
Concen: 46.84 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

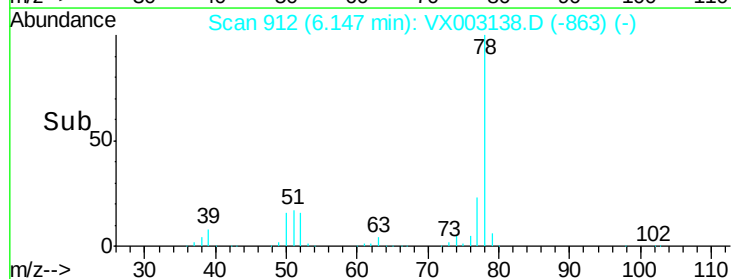
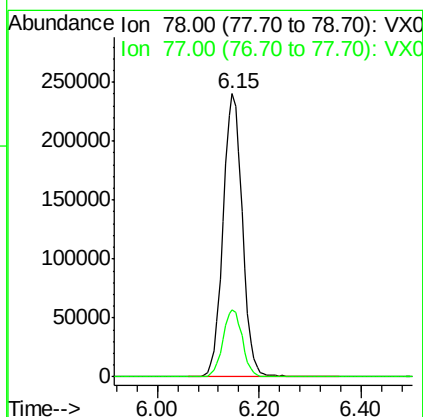
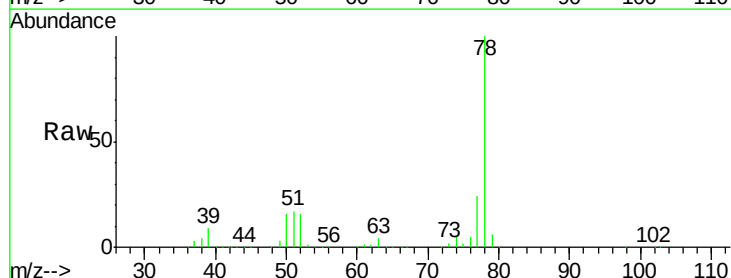
Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

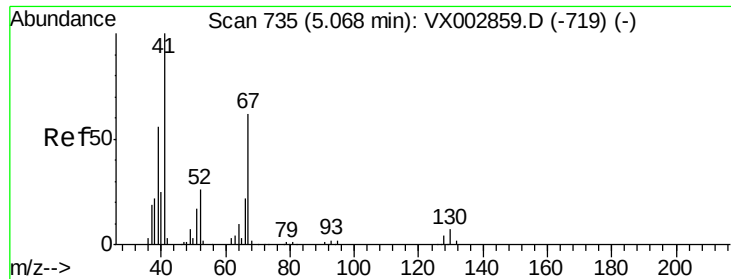
Tot Ion: 83 Resp: 232659
Ion Ratio Lower Upper
83 100
55 76.7 65.4 98.0
98 47.8 37.4 56.0



#40
Benzene
Concen: 50.82 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion: 78 Resp: 629777
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

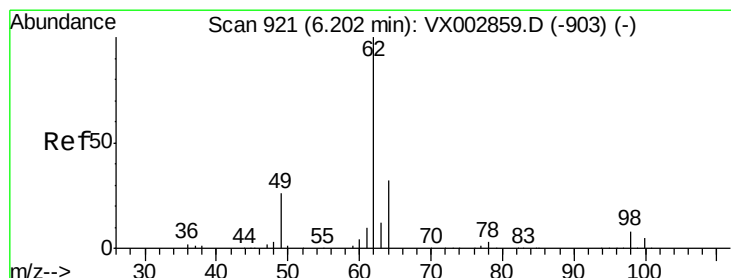
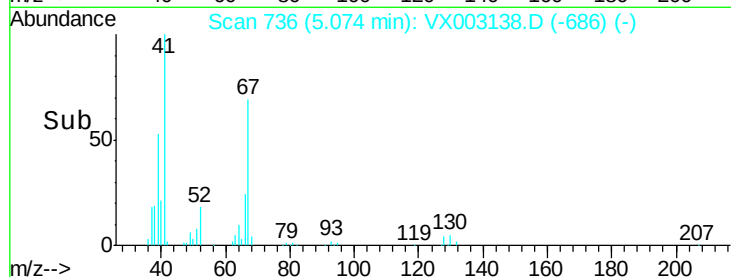
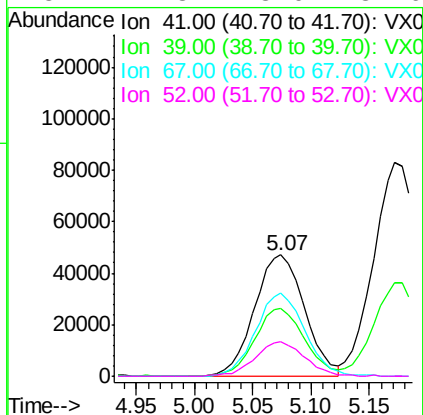
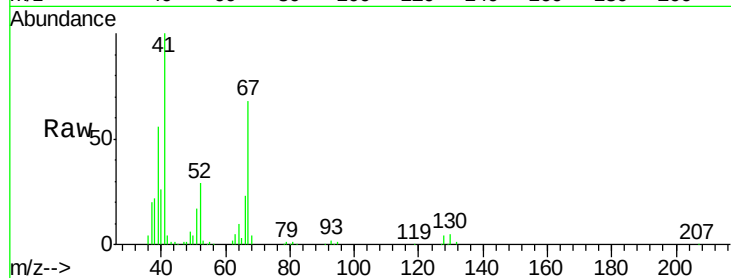




#41
Methacrylonitrile
Concen: 52.75 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

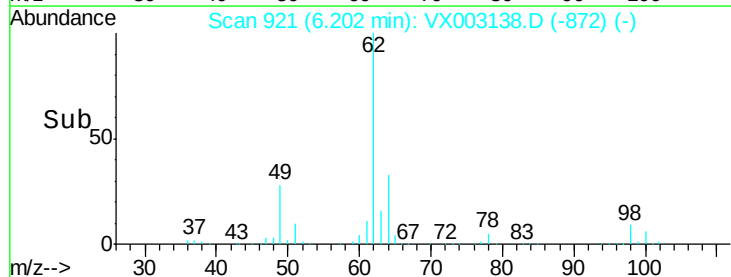
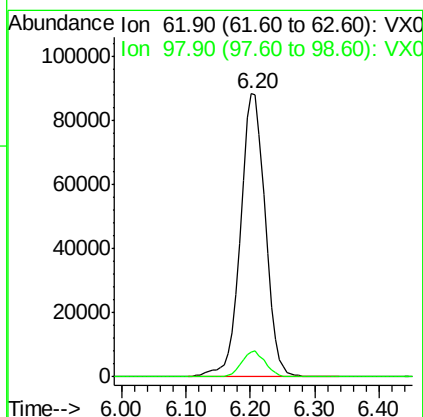
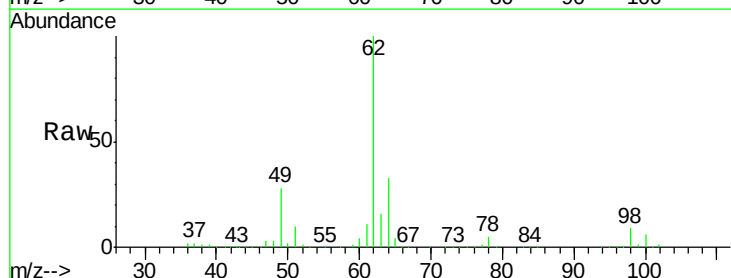
Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

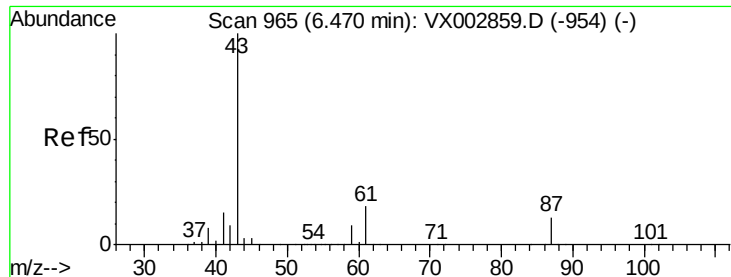
Tot Ion:	41	Resp:	139472
Ion	Ratio	Lower	Upper
41	100		
39	55.1	45.8	68.6
67	67.9	51.3	76.9
52	27.8	23.0	34.6



#42
1,2-Dichloroethane
Concen: 46.88 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion:	62	Resp:	234667
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.6



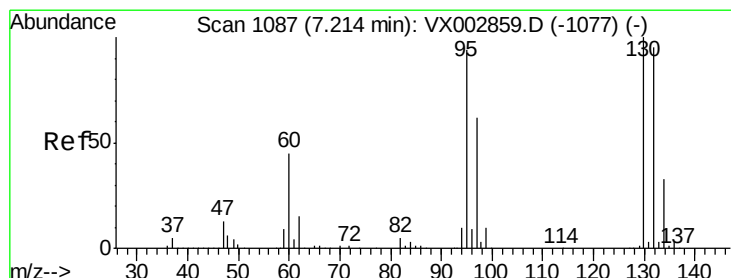
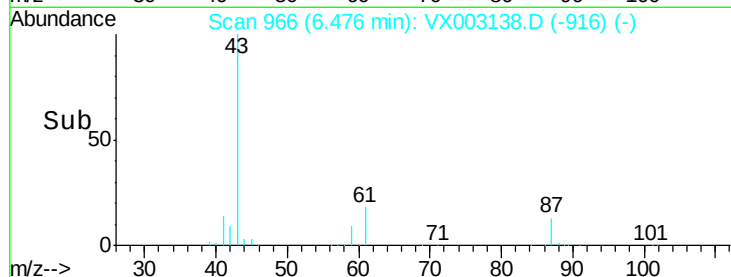
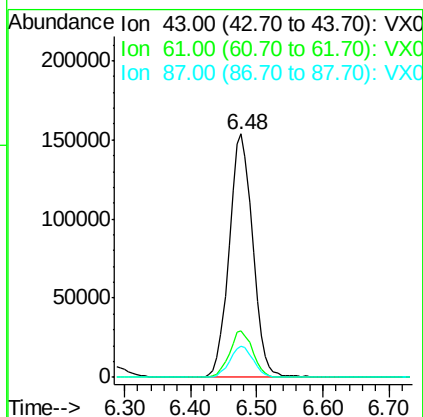
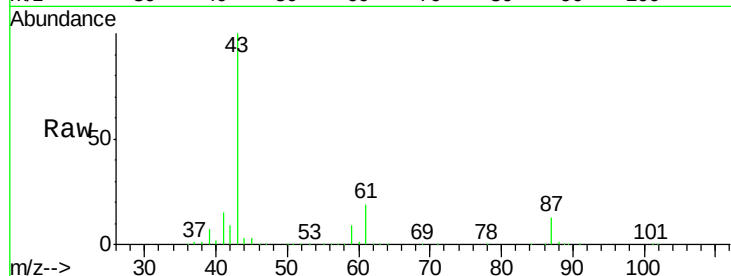


#43

Isopropyl Acetate
 Concen: 49.07 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

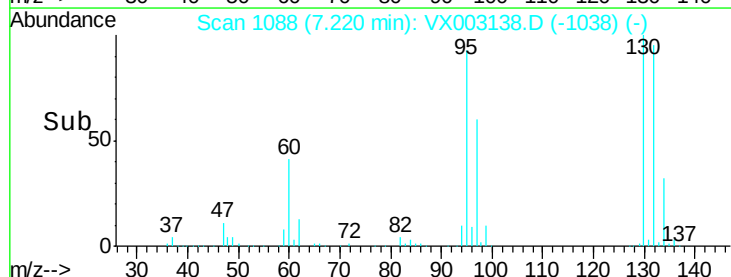
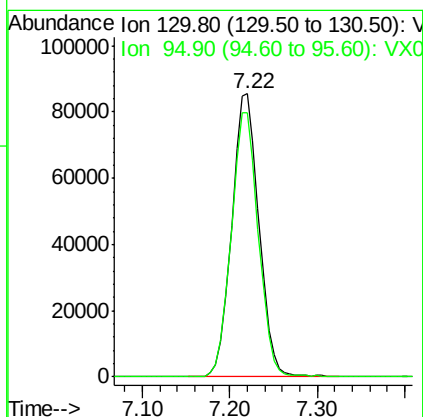
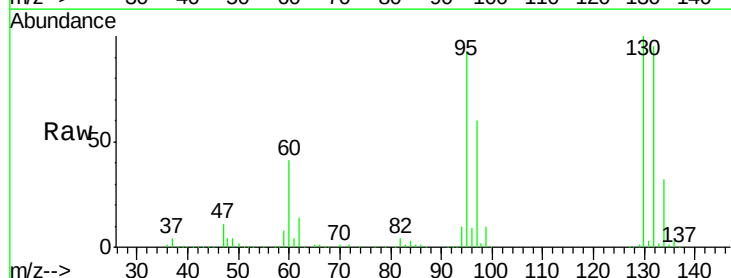
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.4	21.6
87	12.7	9.5	14.3

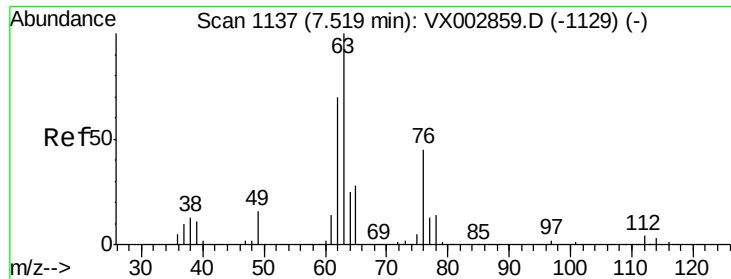


#44

Trichloroethene
 Concen: 50.09 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	185.4

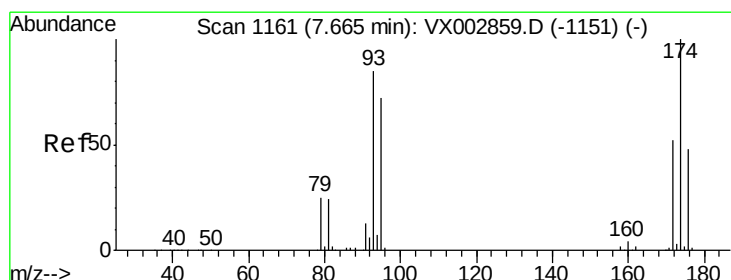
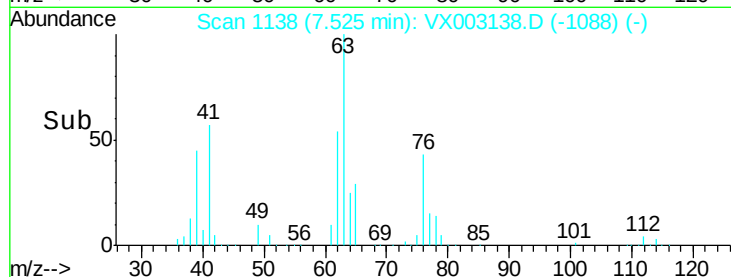
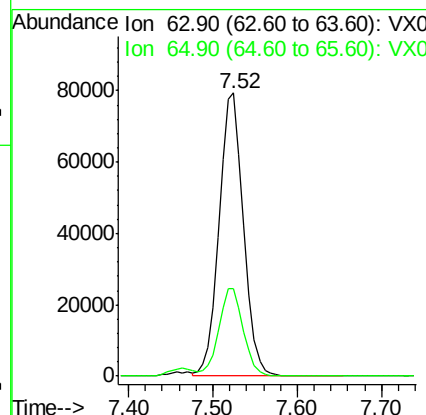
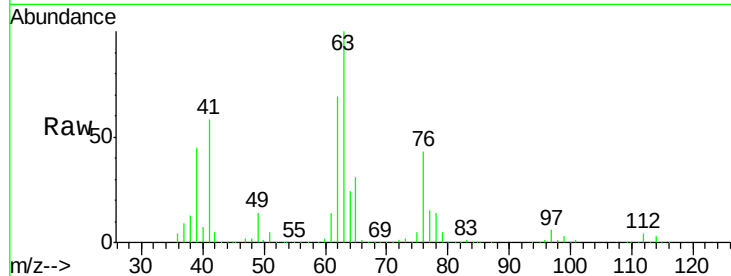




#45
 1,2-Dichloropropane
 Concen: 48.41 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

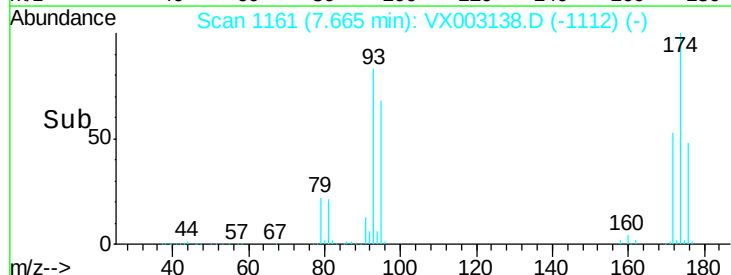
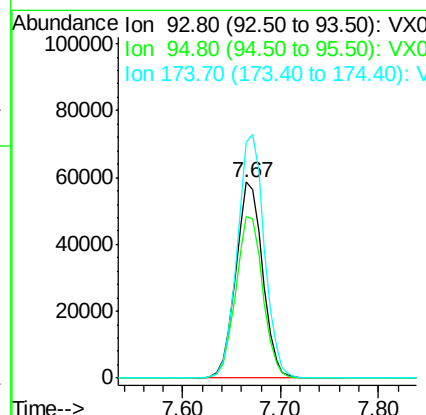
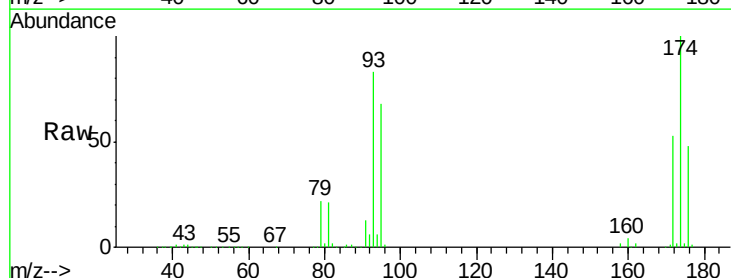
Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

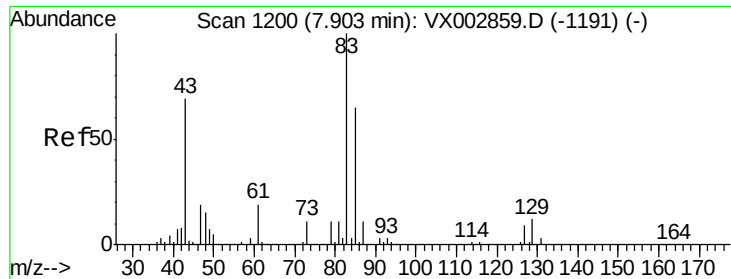
Tot Ion: 63 Resp: 159136
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.7 37.1



#46
 Dibromomethane
 Concen: 48.99 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion: 93 Resp: 111757
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.9 98.9
 174 125.2 92.4 138.6





#47

Bromodichloromethane

Concen: 50.26 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

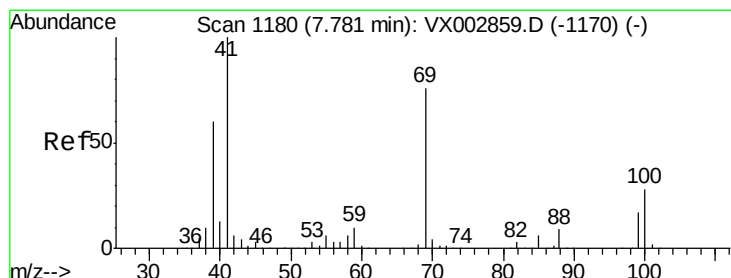
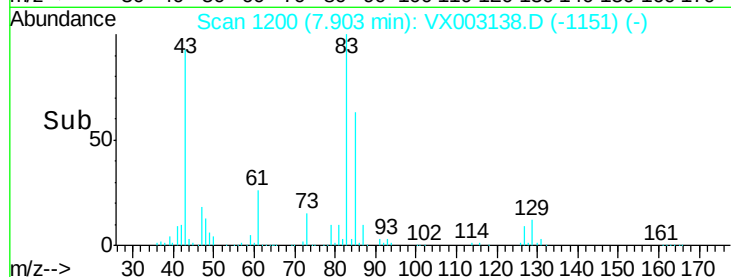
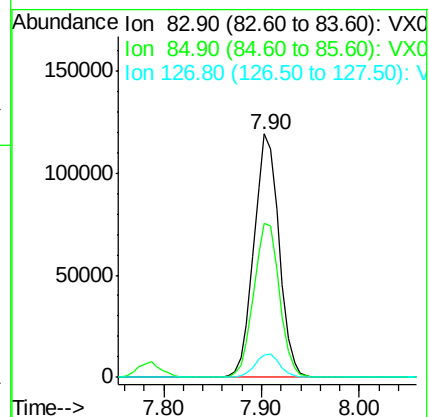
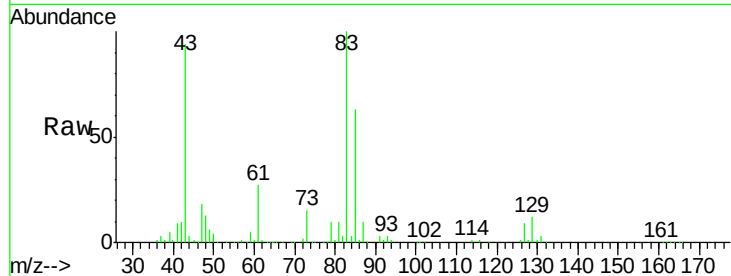
Tot Ion: 83 Resp: 211961

Ion Ratio Lower Upper

83 100

85 63.0 50.3 75.5

127 8.9 7.0 10.4



#48

Methyl methacrylate

Concen: 50.59 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

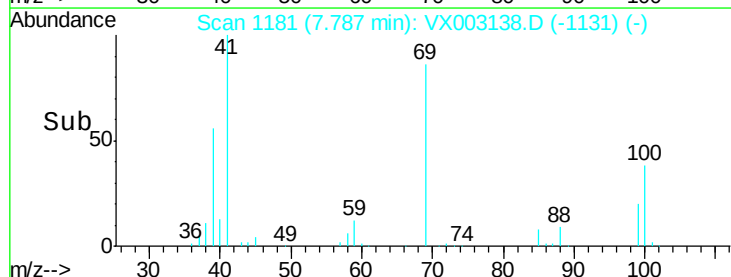
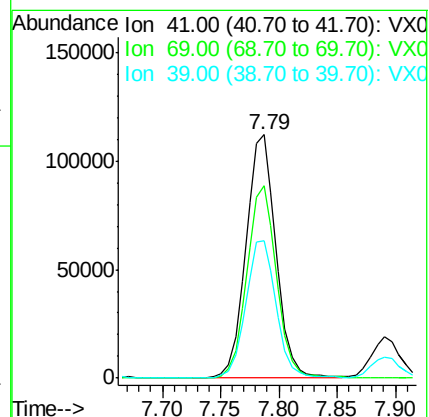
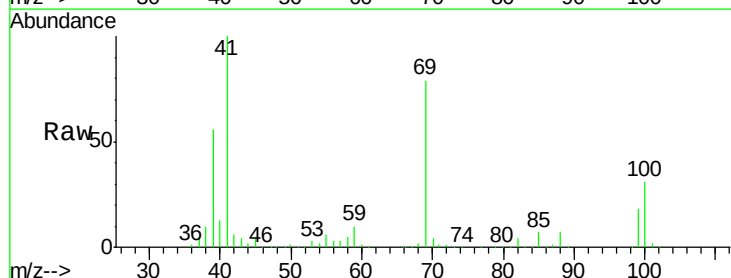
Tgt Ion: 41 Resp: 200735

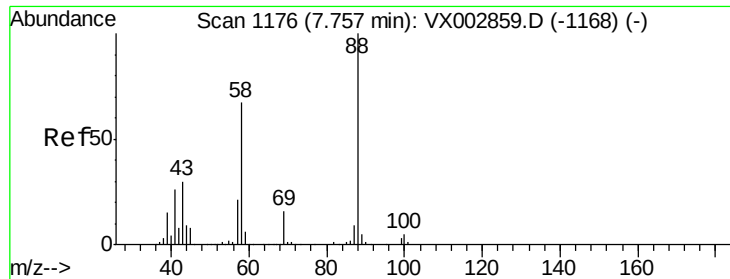
Ion Ratio Lower Upper

41 100

69 78.7 59.1 88.7

39 57.1 48.9 73.3

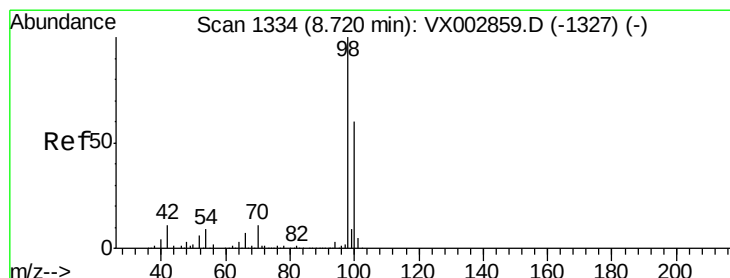
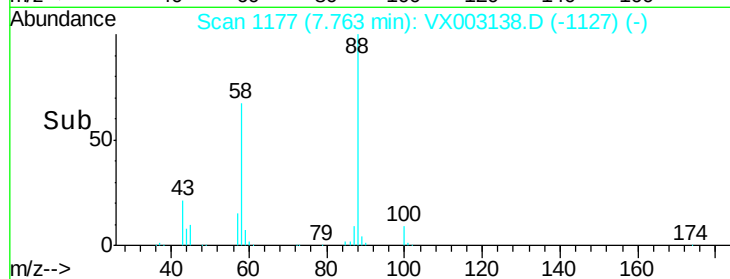
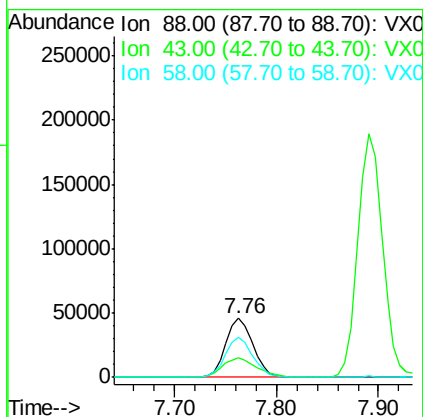
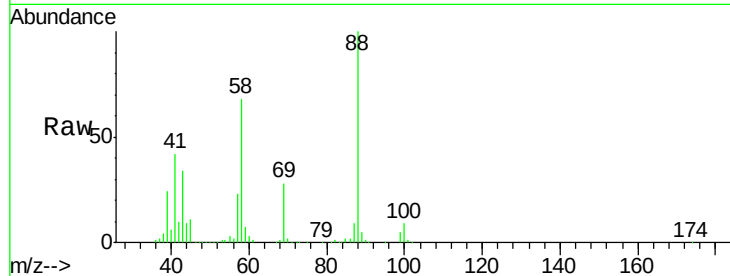




#49
 1,4-Dioxane
 Concen: 1097.09 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

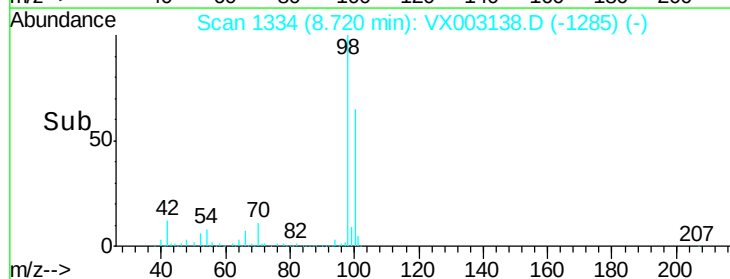
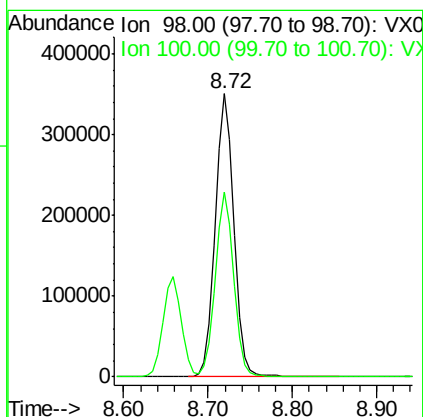
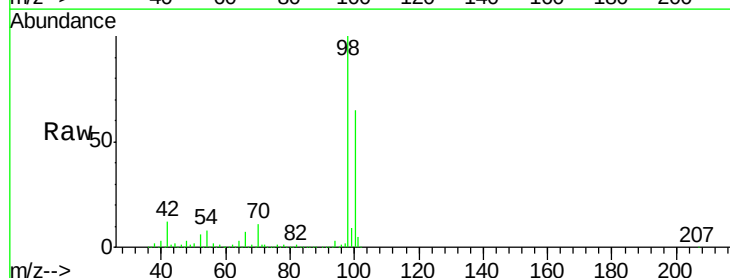
Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

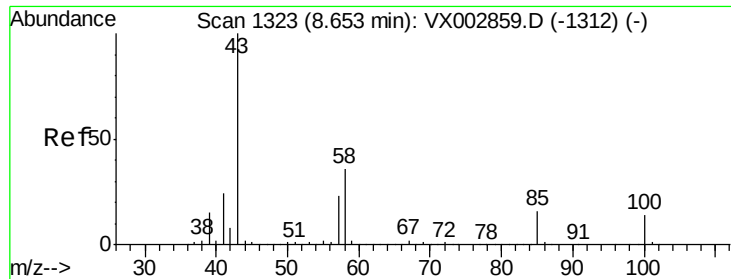
Tot Ion	88	Resp	84696
Ion	Ratio	Lower	Upper
88	100		
43	40.8	29.8	44.6
58	68.9	57.1	85.7



#50
 Toluene-d8
 Concen: 47.87 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion	98	Resp	538336
Ion	Ratio	Lower	Upper
98	100		
100	64.6	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 266.47 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

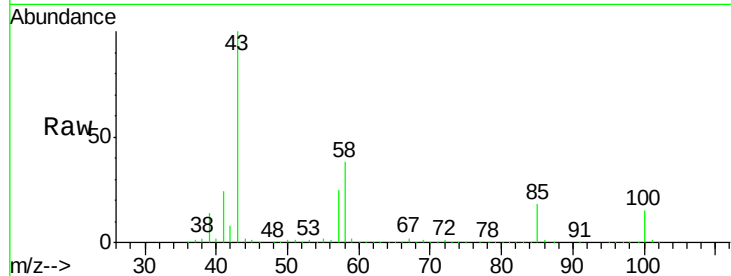
SP18-MMW-3414MSD

Tot Ion: 43 Resp: 1283919

Ion Ratio Lower Upper

43 100

58 37.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

800000

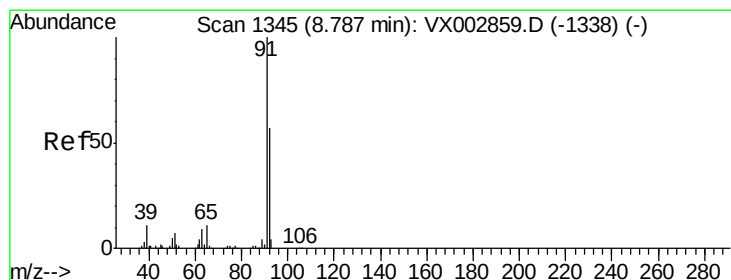
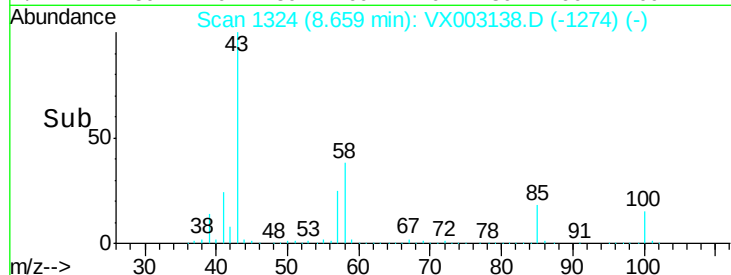
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.31 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003138.D

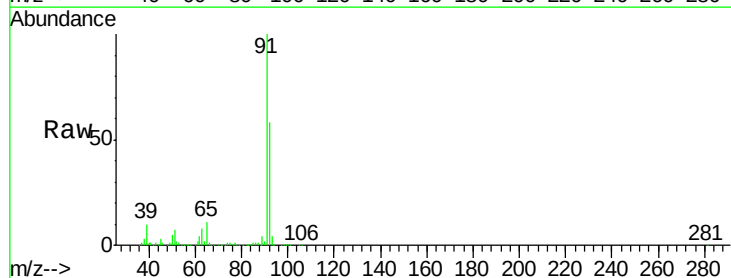
Acq: 02 Jul 2018 20:11

Tgt Ion: 92 Resp: 399334

Ion Ratio Lower Upper

92 100

91 174.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

500000

400000

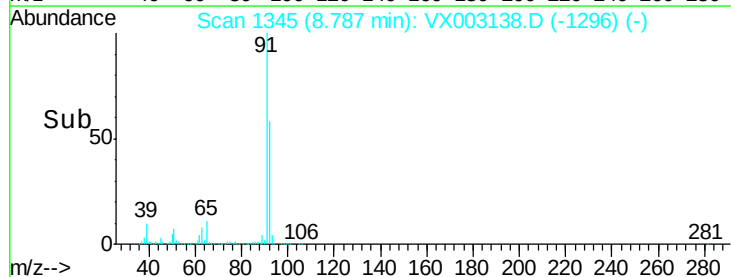
300000

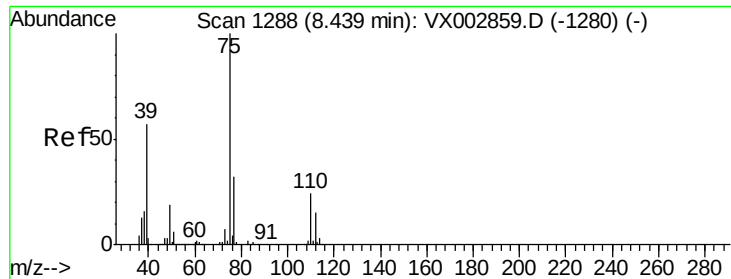
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.19 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

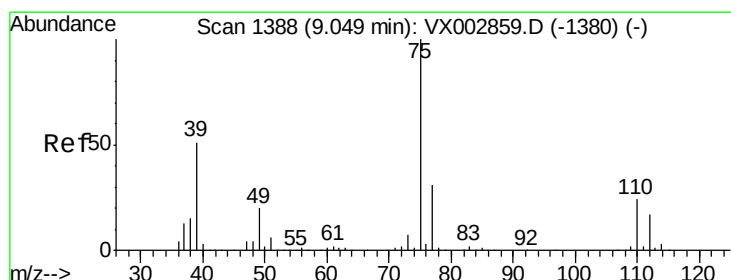
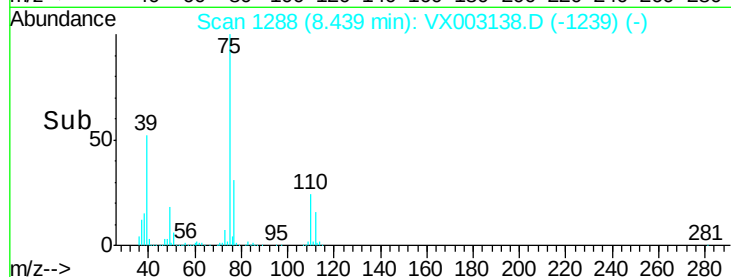
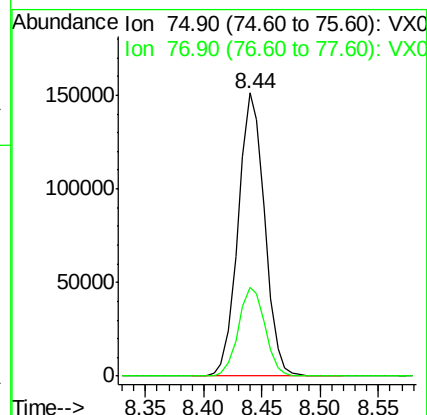
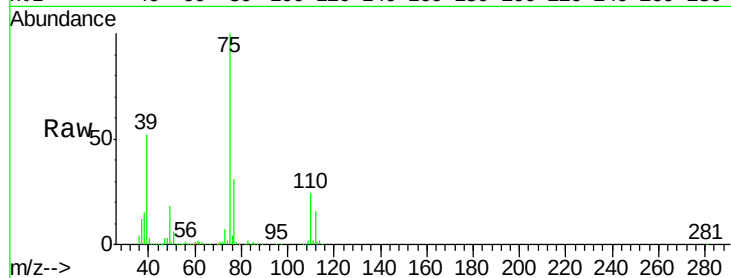
SP18-MMW-3414MSD

Tot Ion: 75 Resp: 239683

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 49.69 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

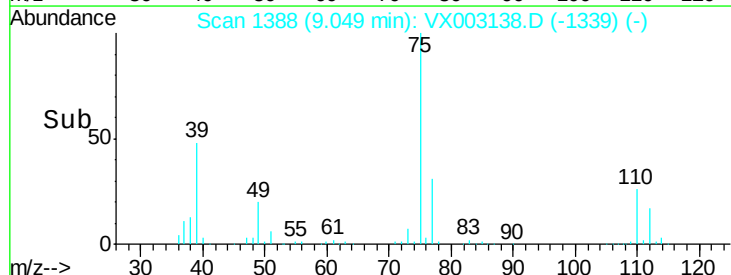
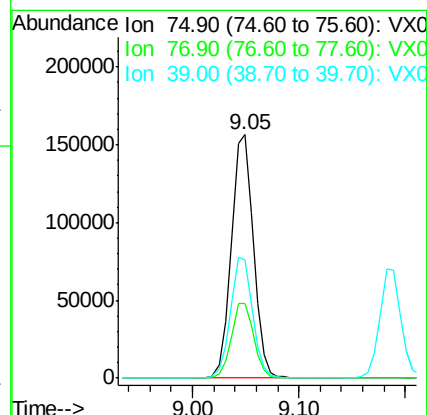
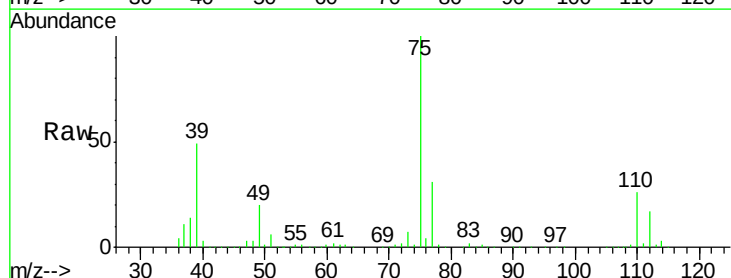
Tgt Ion: 75 Resp: 228342

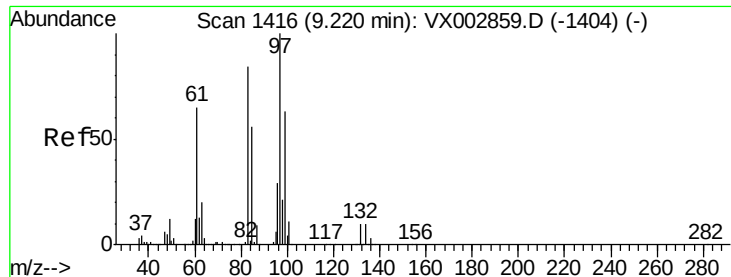
Ion Ratio Lower Upper

75 100

77 30.7 24.8 37.2

39 48.6 42.4 63.6

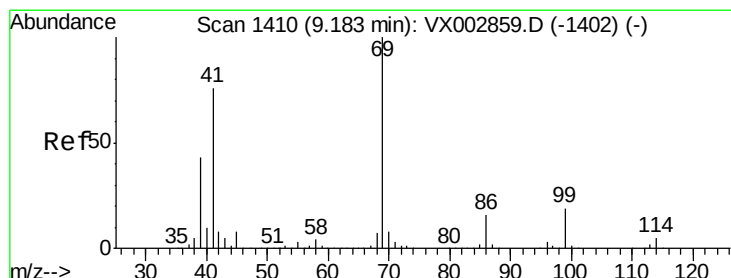
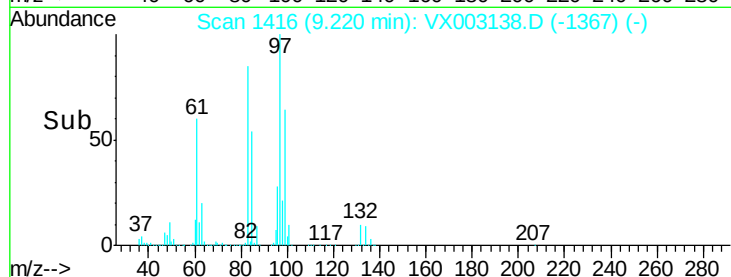
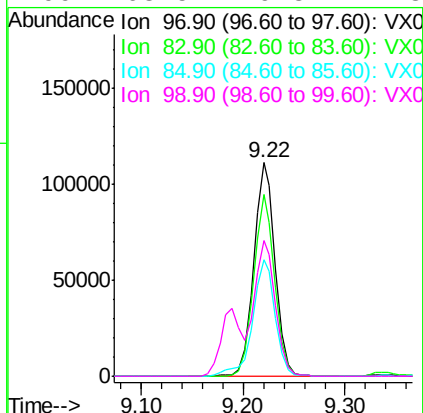
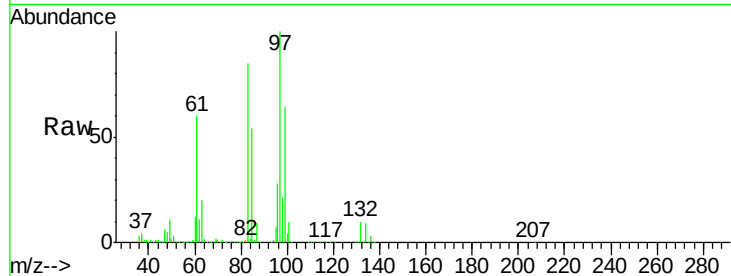




#55
 1,1,2-Trichloroethane
 Concen: 49.99 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

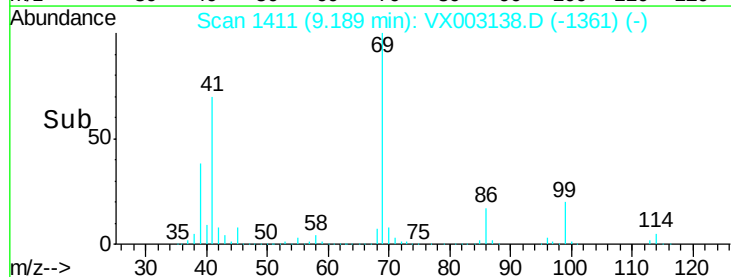
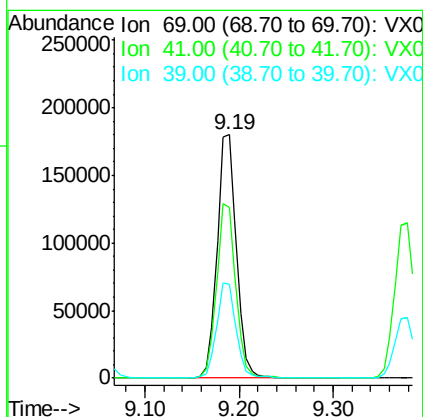
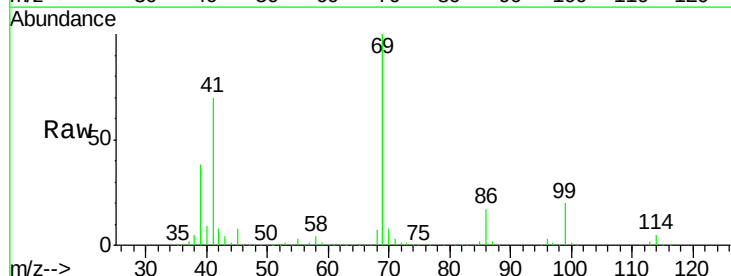
Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

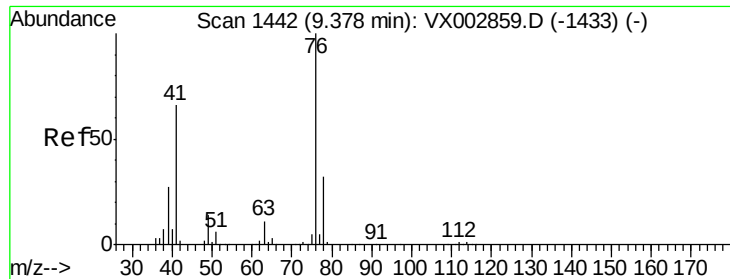
Tot Ion:	97	Resp:	163062
Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.2	105.2
85	54.4	44.9	67.3
99	63.5	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 53.53 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion:	69	Resp:	255173
Ion	Ratio	Lower	Upper
69	100		
41	71.2	60.3	90.5
39	38.7	35.8	53.8

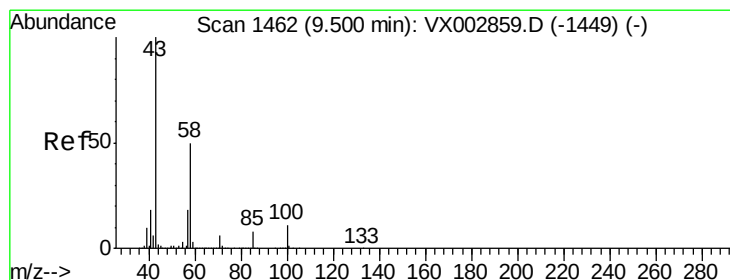
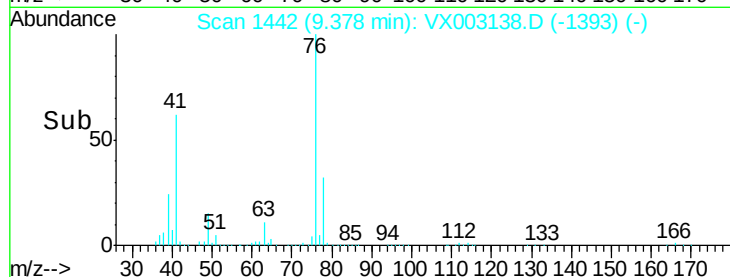
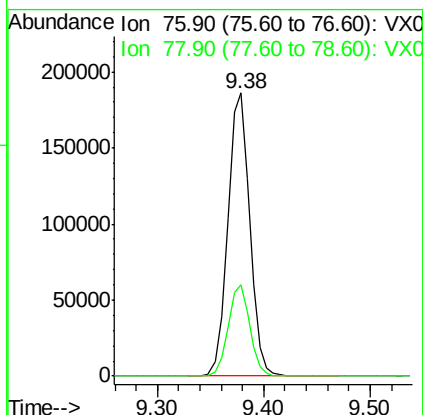
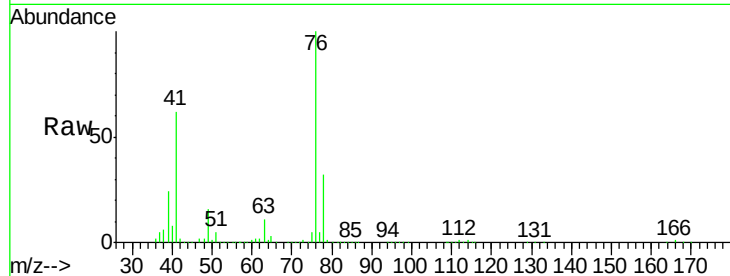




#57
 1,3-Dichloropropane
 Concen: 50.07 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

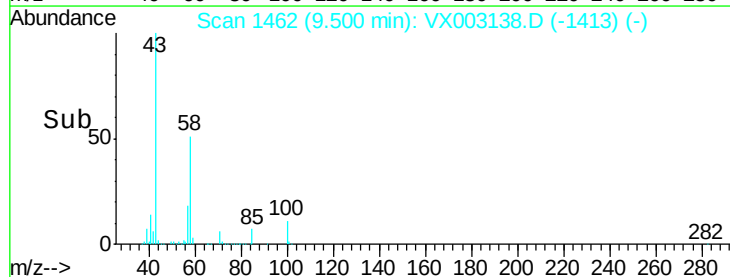
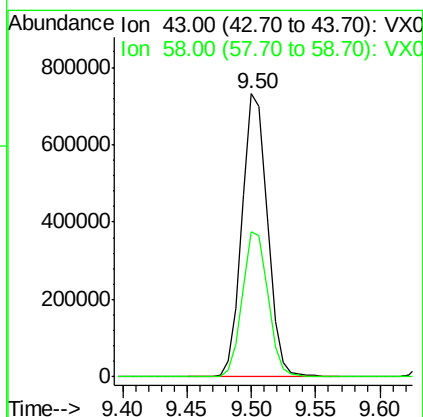
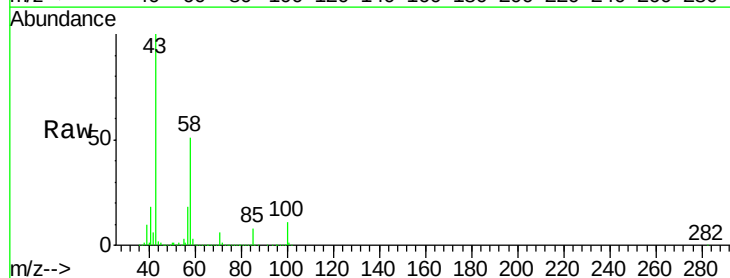
Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

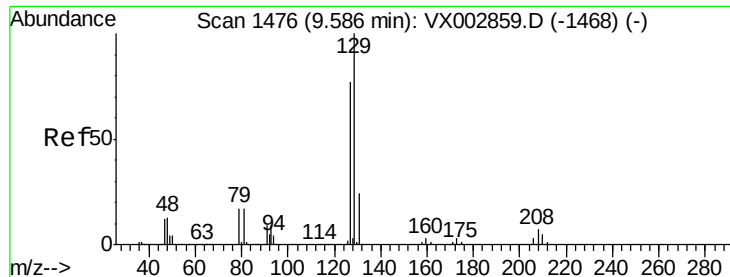
Tot Ion: 76 Resp: 268250
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6



#59
 2-Hexanone
 Concen: 273.47 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion: 43 Resp: 1001421
 Ion Ratio Lower Upper
 43 100
 58 51.7 24.6 73.6





#60

Dibromochloromethane

Concen: 52.46 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

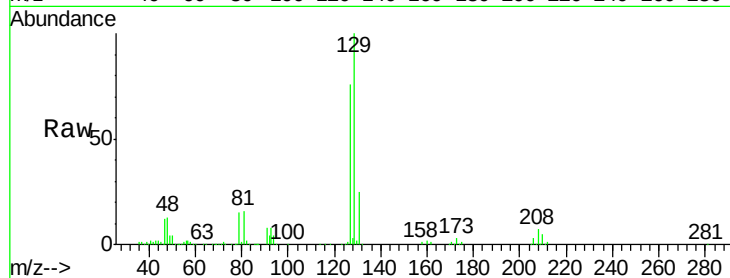
SP18-MMW-3414MSD

Tot Ion:129 Resp: 180143

Ion Ratio Lower Upper

129 100

127 76.8 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

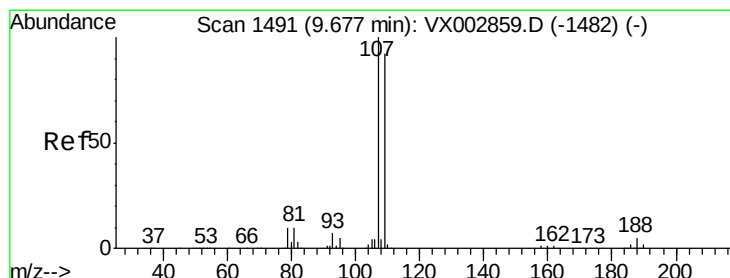
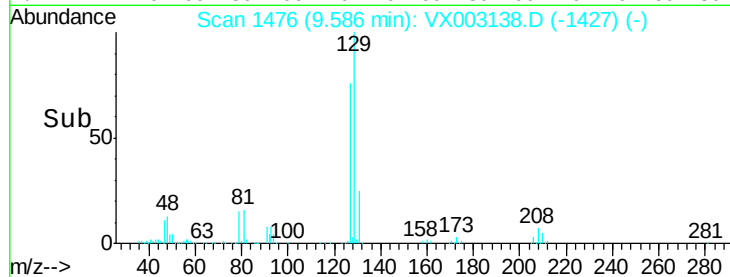
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 51.48 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003138.D

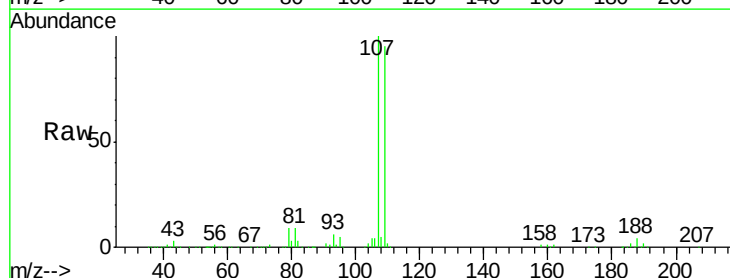
Acq: 02 Jul 2018 20:11

Tgt Ion:107 Resp: 176130

Ion Ratio Lower Upper

107 100

109 94.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

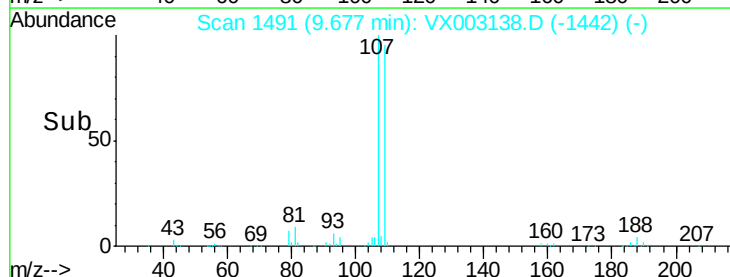
150000

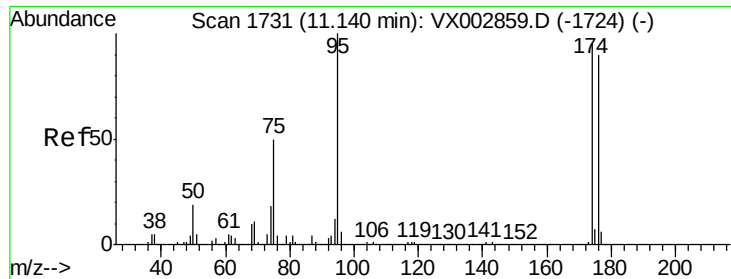
100000

50000

0

Time-->

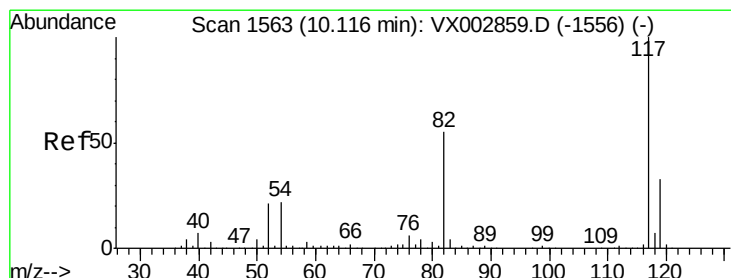
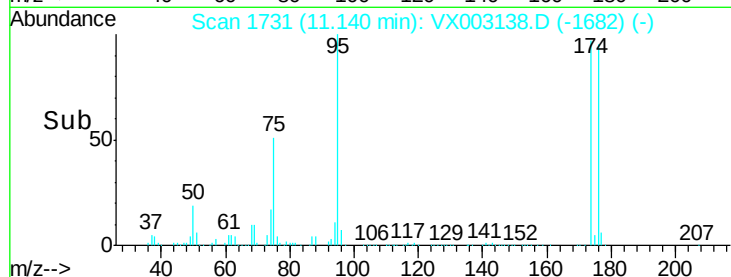
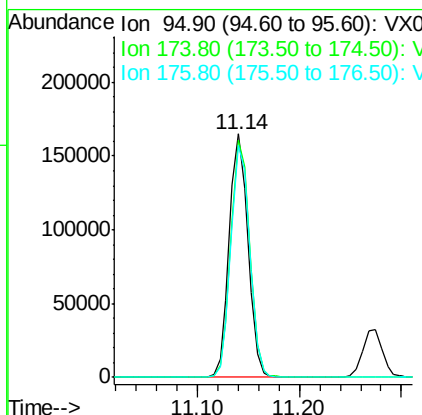
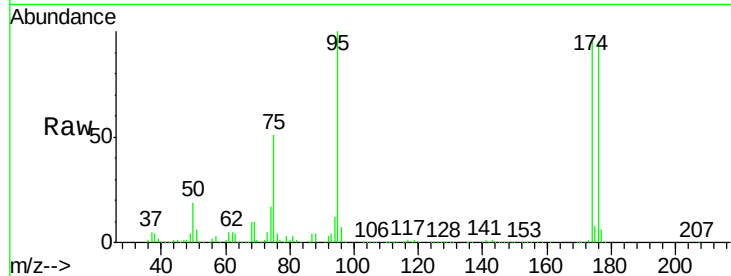




#62
4-Bromofluorobenzene
Concen: 48.21 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

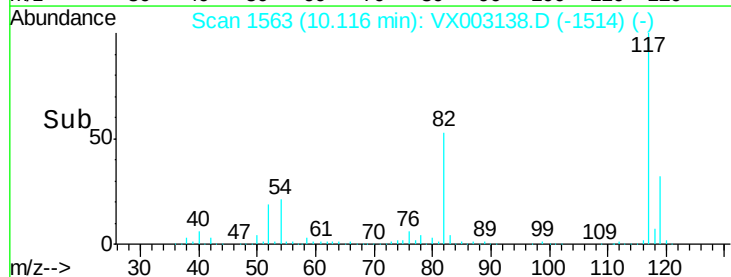
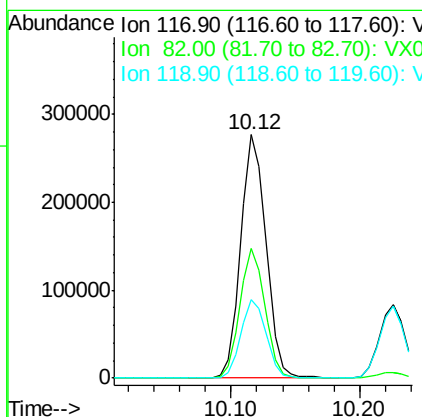
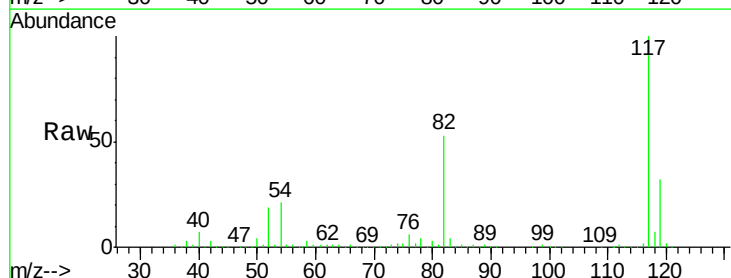
Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

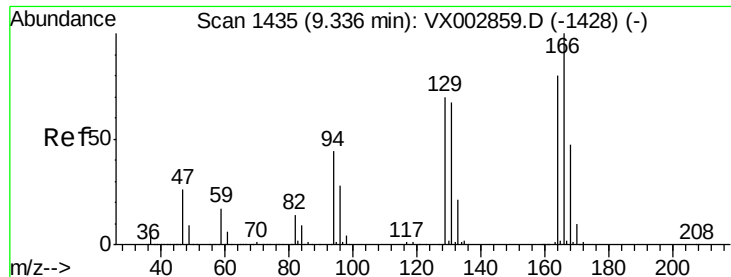
Tot Ion: 95 Resp: 209103
Ion Ratio Lower Upper
95 100
174 97.7 0.0 187.4
176 95.7 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion: 117 Resp: 375593
Ion Ratio Lower Upper
117 100
82 53.0 45.0 67.4
119 32.1 25.8 38.6





#64

Tetrachloroethene

Concen: 42.82 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

Tot Ion:164 Resp: 178836

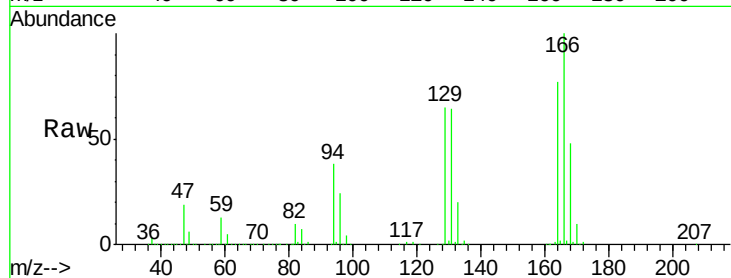
Ion Ratio Lower Upper

164 100

166 130.1 102.9 154.3

129 85.2 68.6 102.8

131 83.5 66.8 100.2

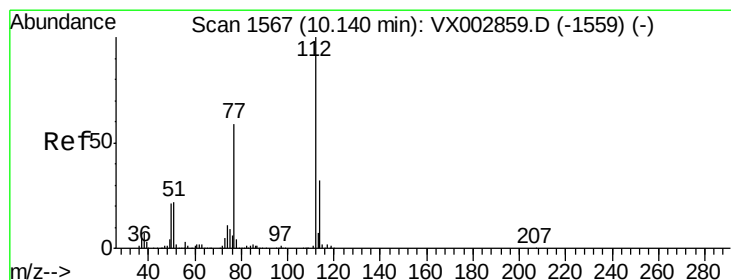
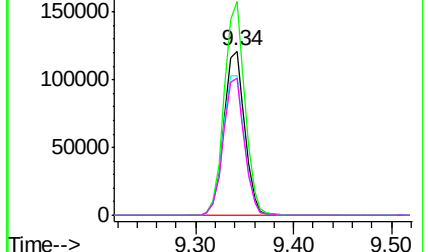
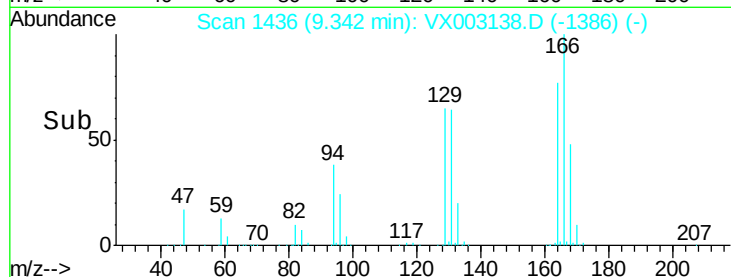


Abundance Ion 163.80 (163.50 to 164.50): V

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: 49.08 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003138.D

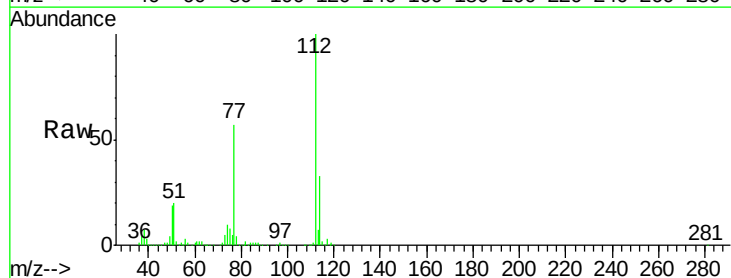
Acq: 02 Jul 2018 20:11

Tgt Ion:112 Resp: 468272

Ion Ratio Lower Upper

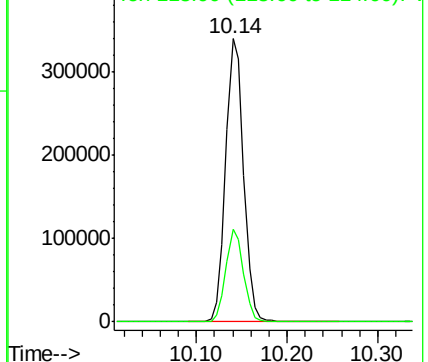
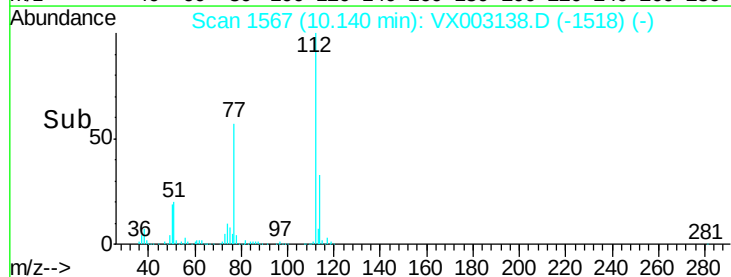
112 100

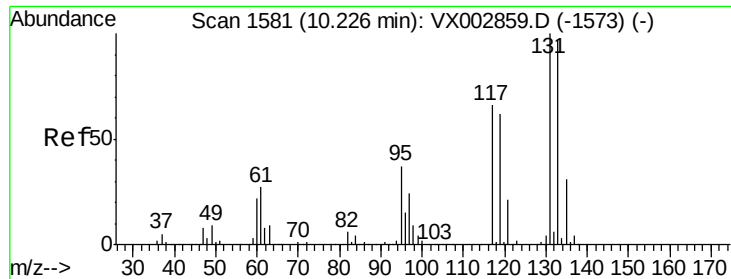
114 32.6 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

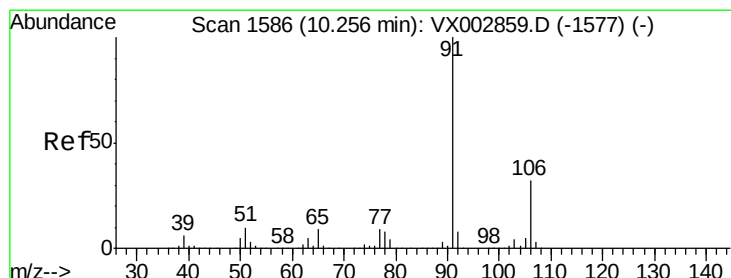
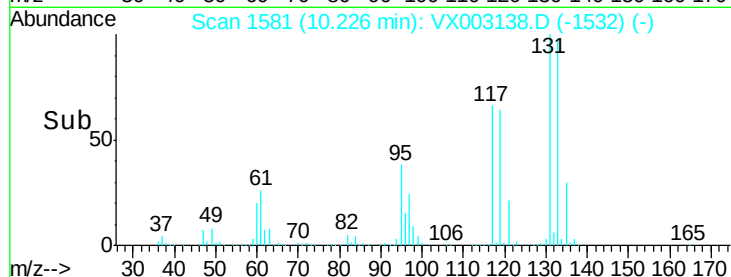
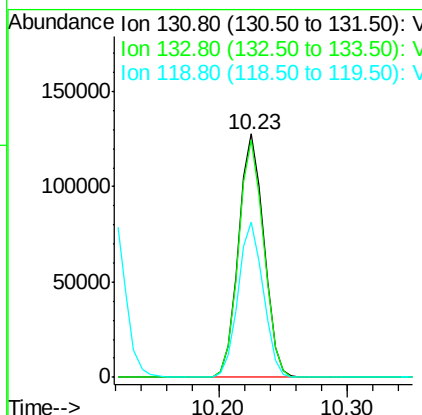
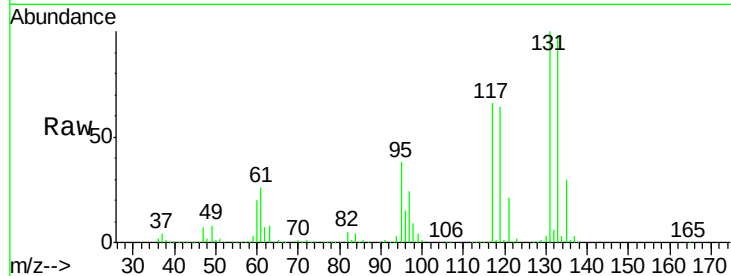




#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.16 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

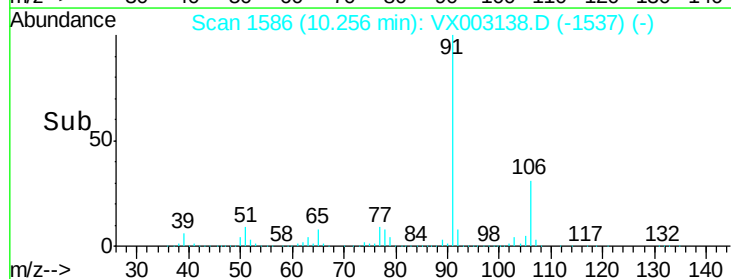
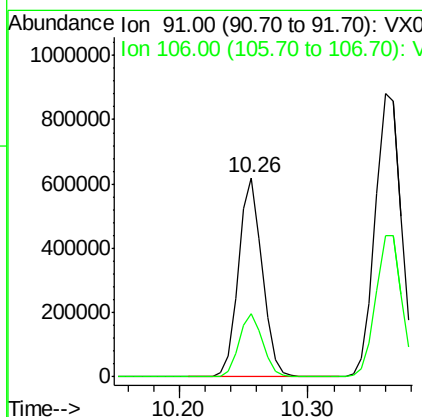
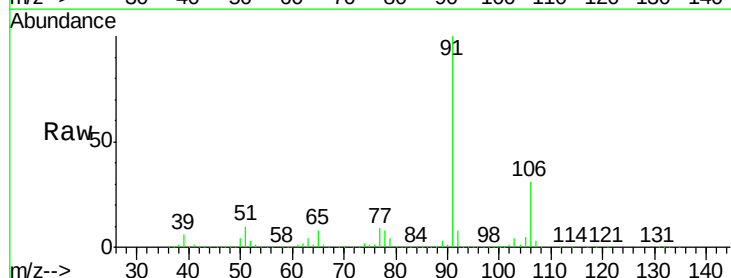
Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

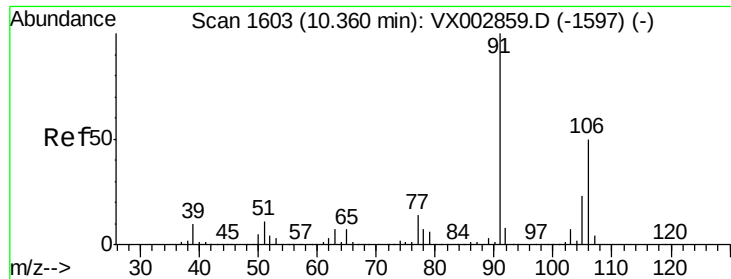
Tot Ion:131 Resp: 173818
 Ion Ratio Lower Upper
 131 100
 133 96.9 47.9 143.6
 119 63.4 31.8 95.3



#67
 Ethyl Benzene
 Concen: 50.28 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion: 91 Resp: 792335
 Ion Ratio Lower Upper
 91 100
 106 31.5 25.5 38.3

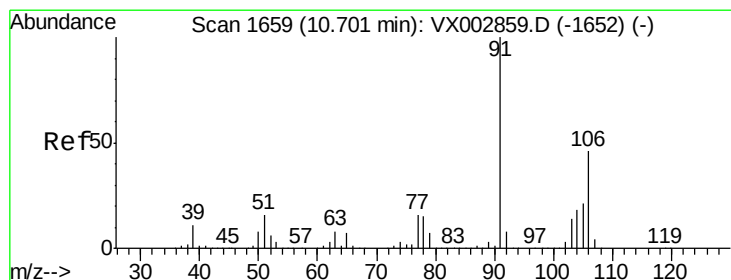
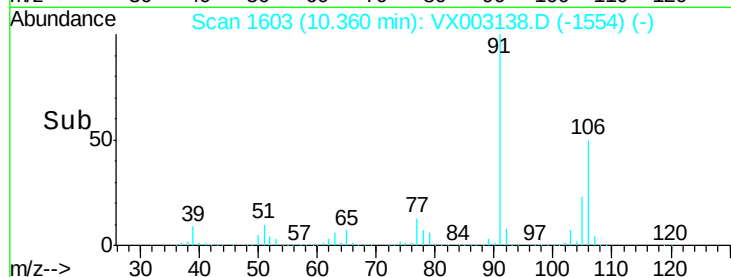
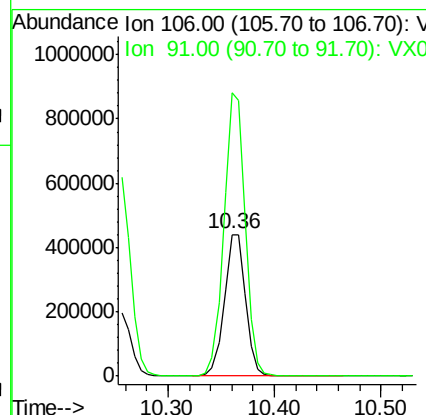
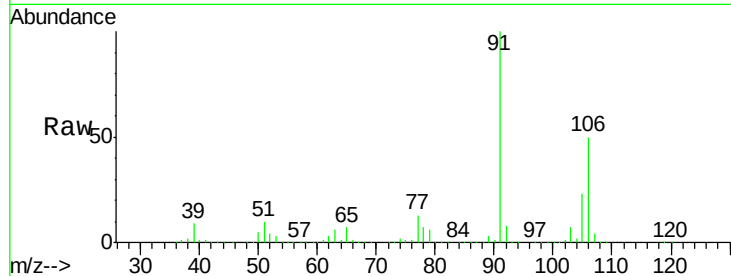




#68
m/p-Xylenes
Concen: 100.74 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

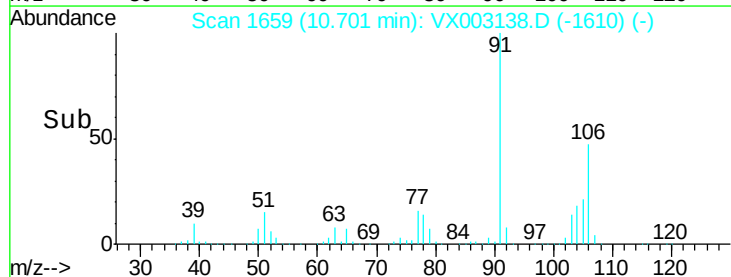
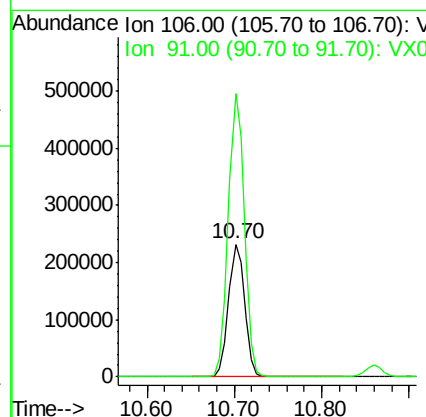
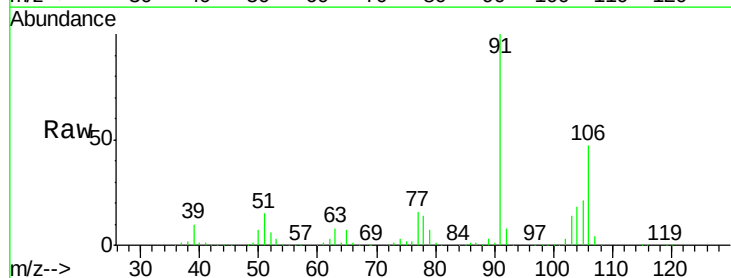
Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

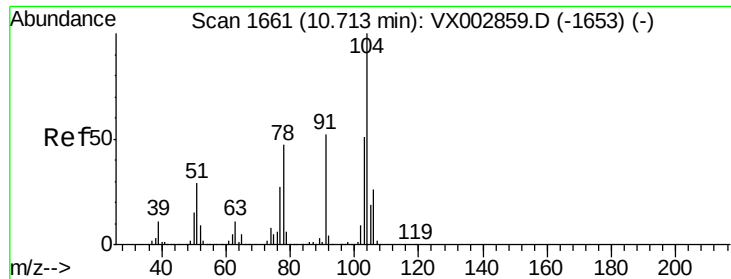
Tot Ion:106 Resp: 611873
Ion Ratio Lower Upper
106 100
91 200.3 163.4 245.2



#69
o-Xylene
Concen: 49.92 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion:106 Resp: 295228
Ion Ratio Lower Upper
106 100
91 212.3 108.2 324.6





#70

Stvrene

Concen: 51.72 ug/l

RT: 10.71 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

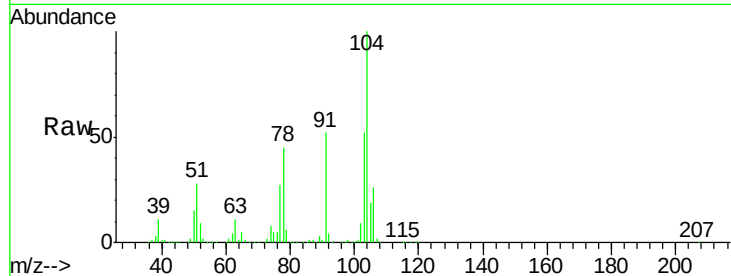
Tot Ion:104 Resp: 496976

Ion Ratio Lower Upper

104 100

78 49.1 41.0 61.6

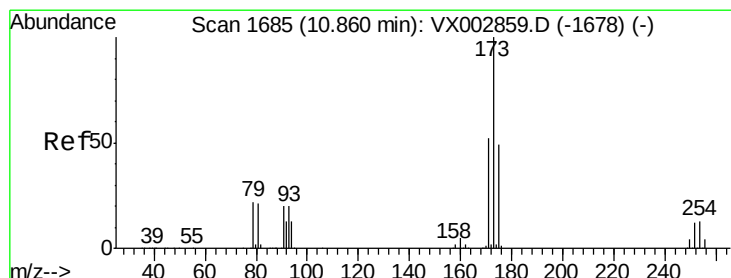
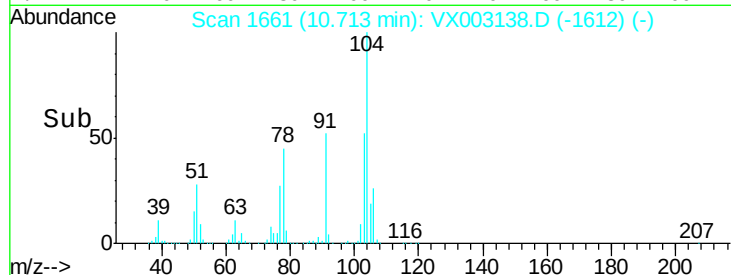
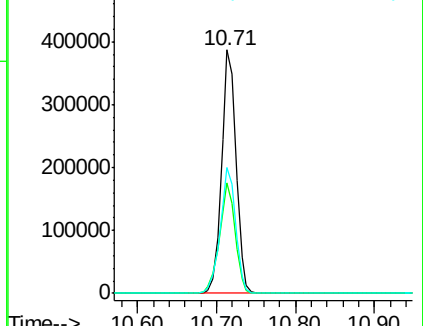
103 55.3 44.2 66.4



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: 47.07 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

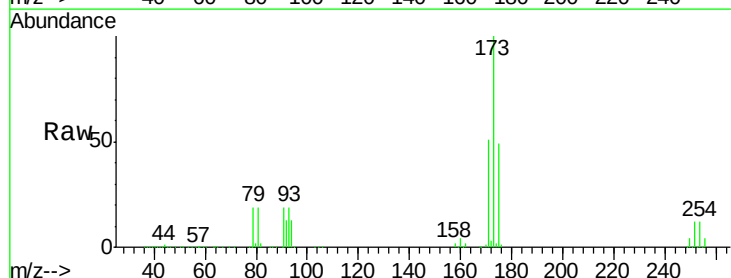
Tgt Ion:173 Resp: 146606

Ion Ratio Lower Upper

173 100

175 49.6 24.7 74.1

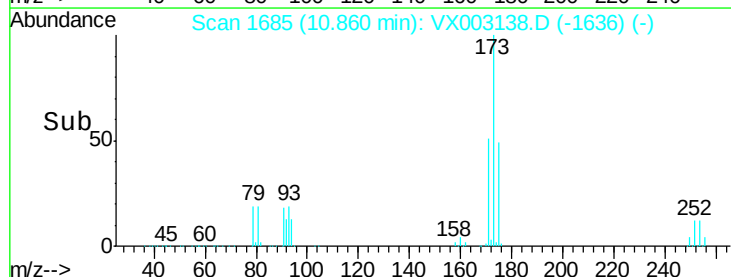
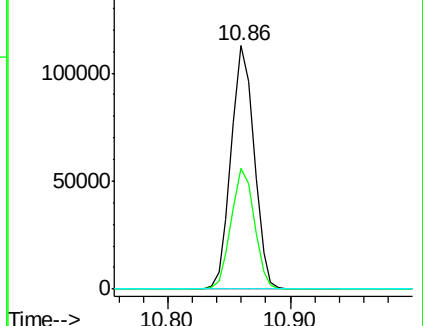
254 0.2 0.2 0.2

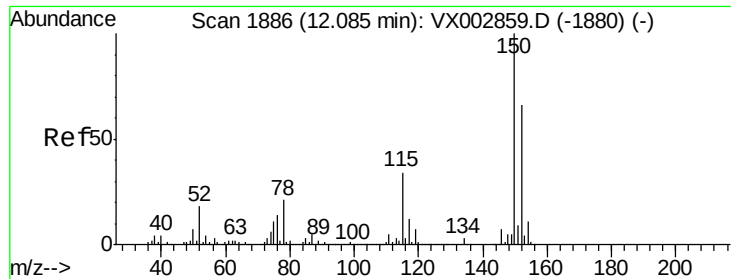


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



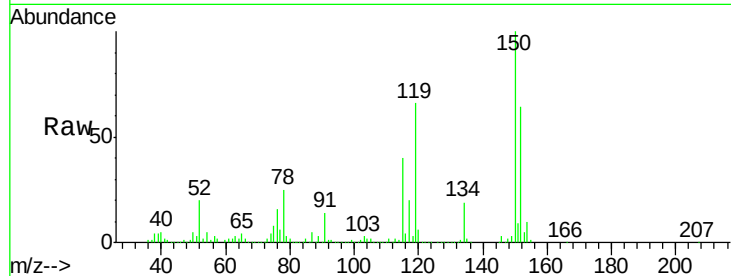


#72

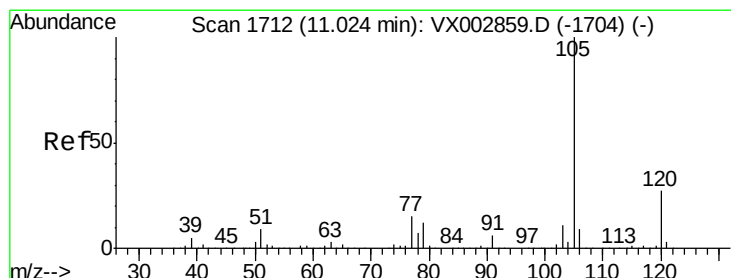
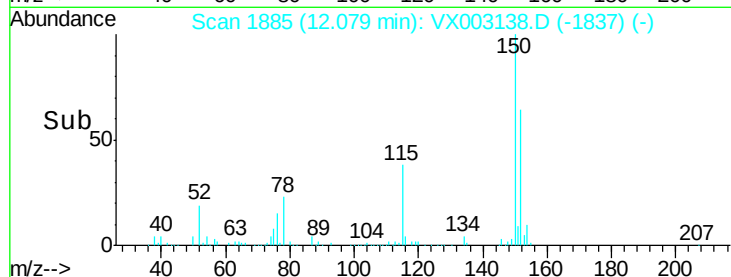
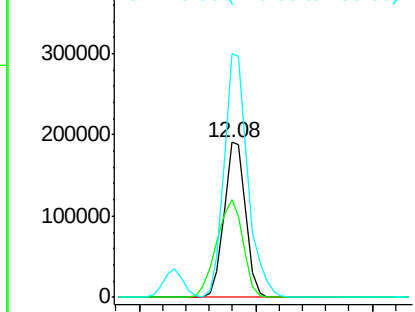
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

Tot Ion:152 Resp: 240947
Ion Ratio Lower Upper
152 100
115 77.5 40.1 120.2
150 174.6 0.0 347.2



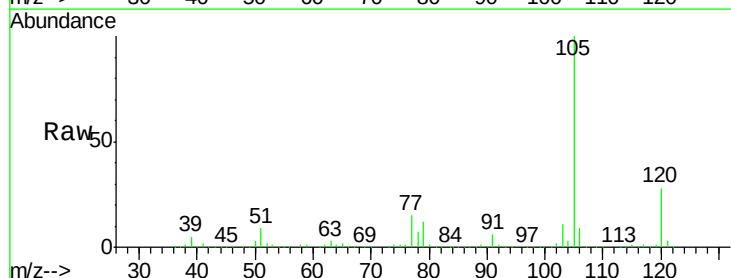
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



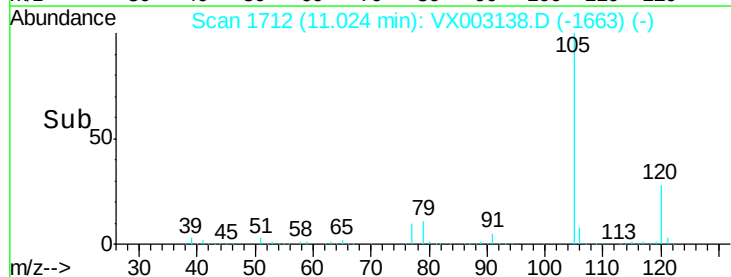
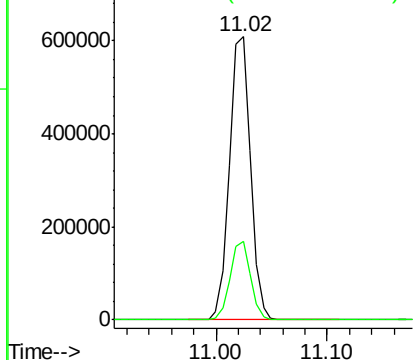
#73

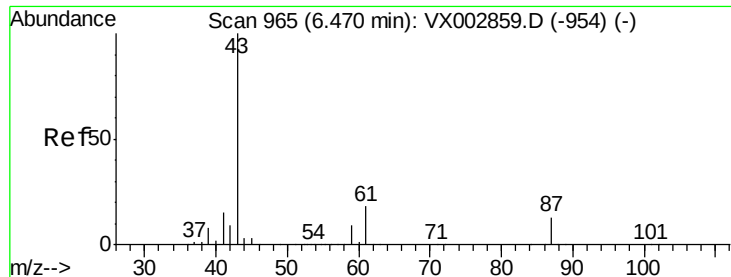
Isopropylbenzene
Concen: 49.13 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion:105 Resp: 796324
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4



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





#74

N-amvl acetate

Concen: 47.65 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

Tot Ion: 43 Resp: 377928

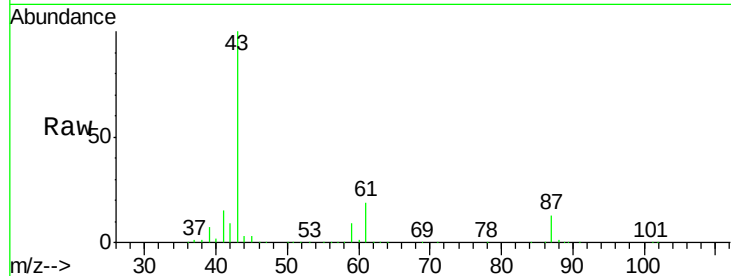
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 19.0 14.4 21.6

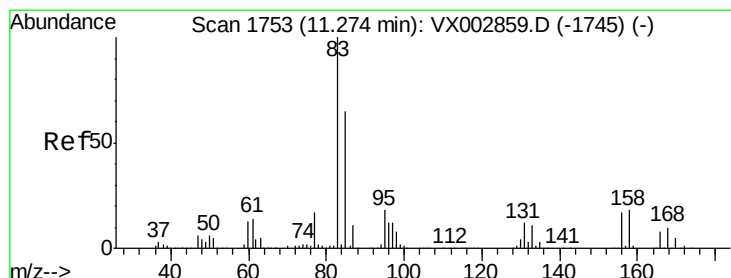
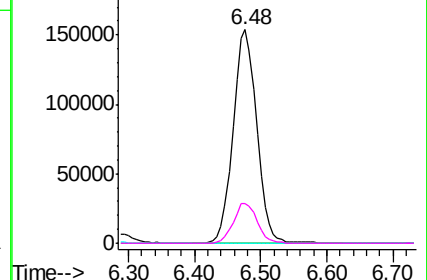
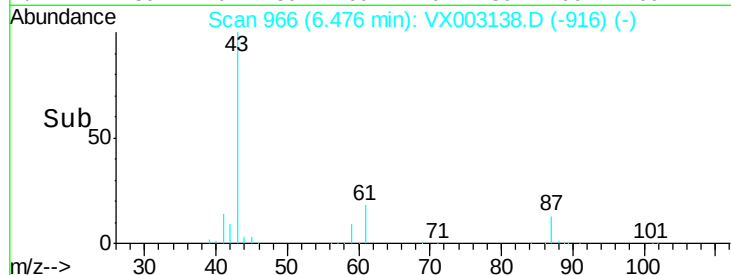


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 50.87 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

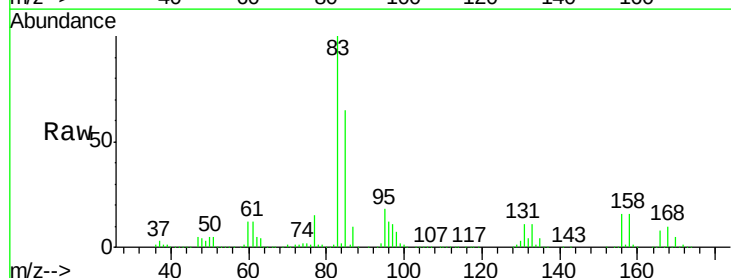
Tgt Ion: 83 Resp: 253999

Ion Ratio Lower Upper

83 100

131 11.3 5.6 16.8

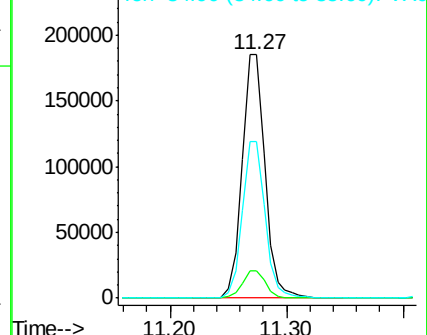
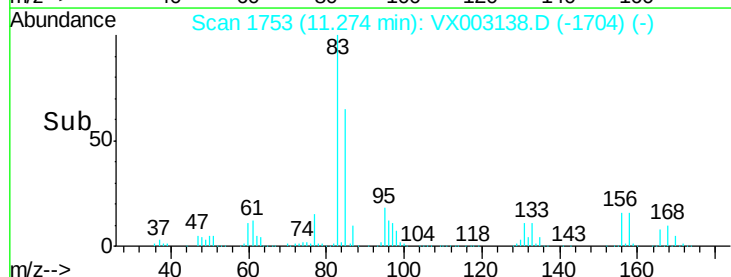
85 64.4 32.4 97.2

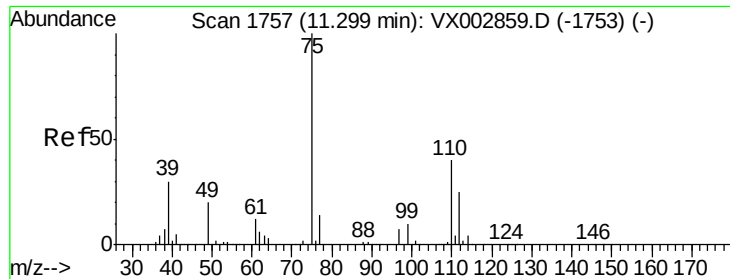


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

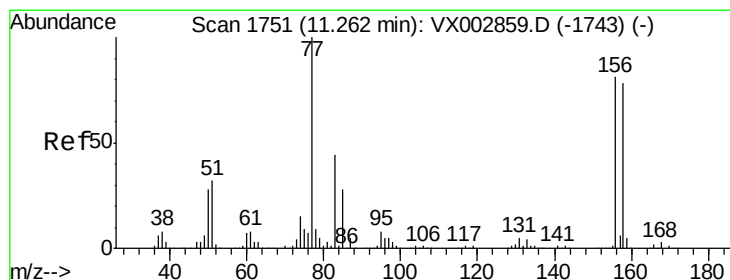
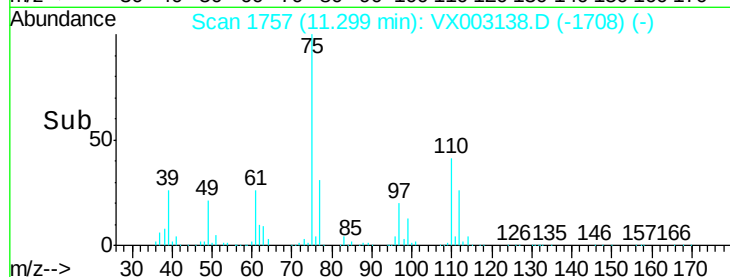
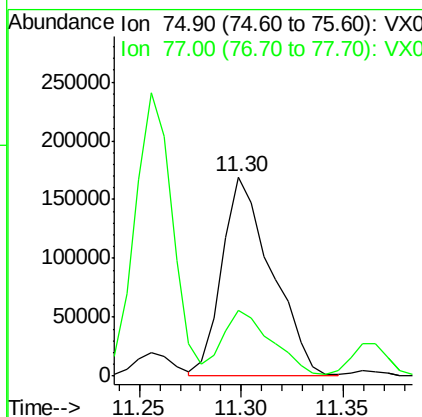
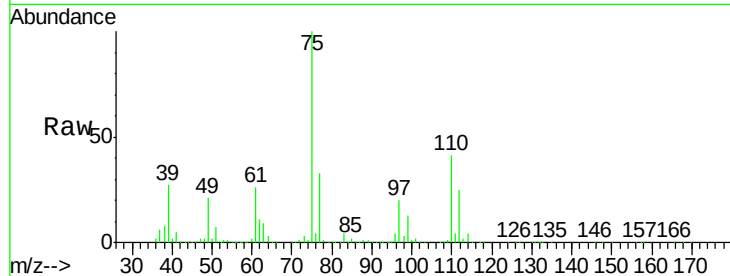




#76
 1,2,3-Trichloropropane
 Concen: 65.47 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

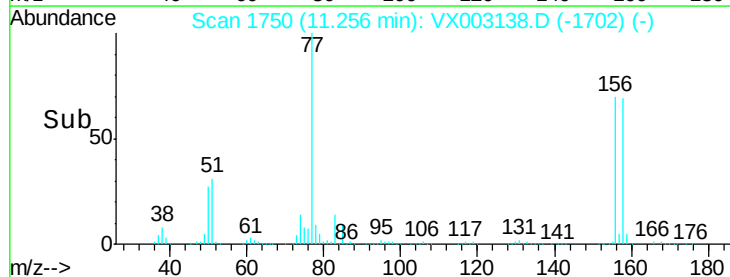
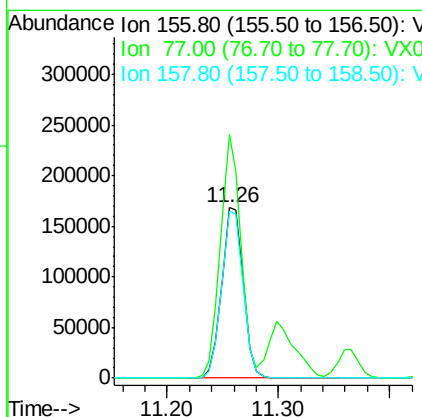
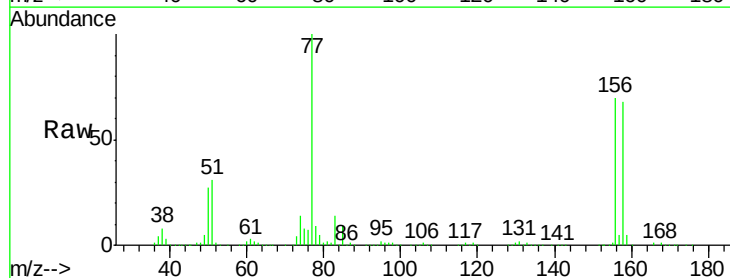
Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

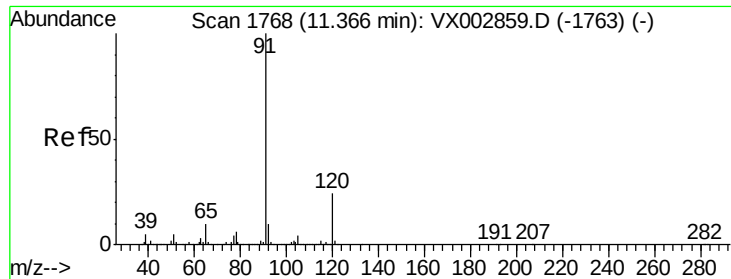
Tot Ion: 75 Resp: 285755
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.8 68.3



#77
 Bromobenzene
 Concen: 48.80 ug/l
 RT: 11.26 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion: 156 Resp: 225257
 Ion Ratio Lower Upper
 156 100
 77 135.9 71.4 214.2
 158 97.8 48.9 146.6

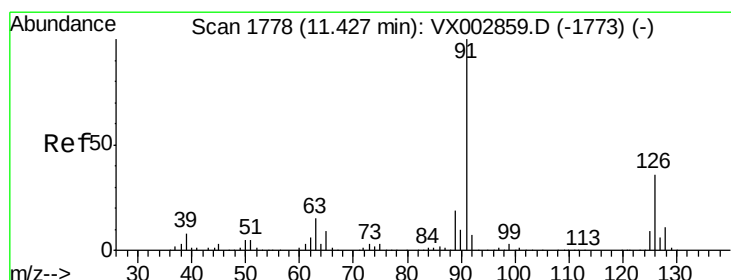
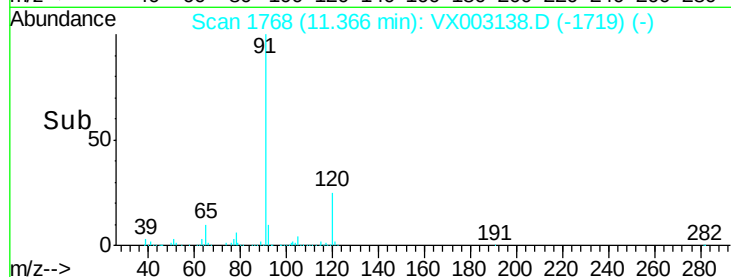
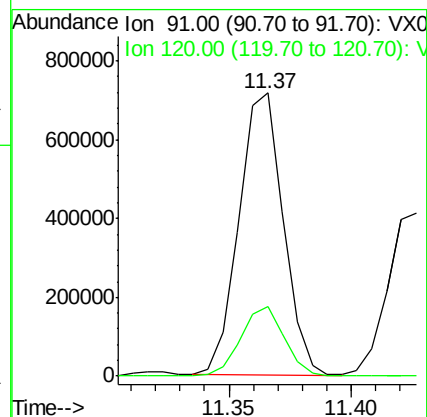
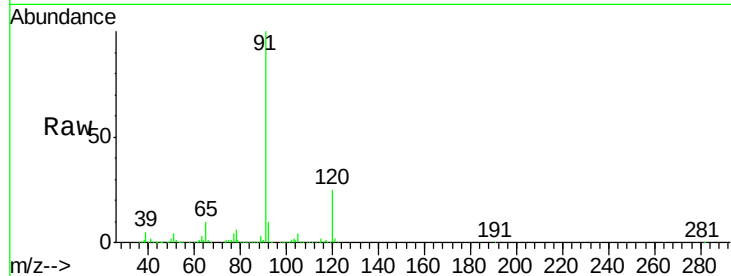




#78
n-propylbenzene
Concen: 48.76 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

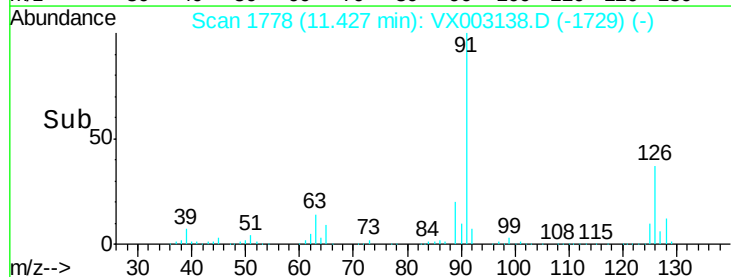
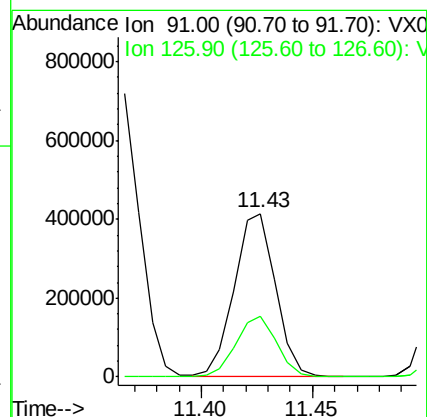
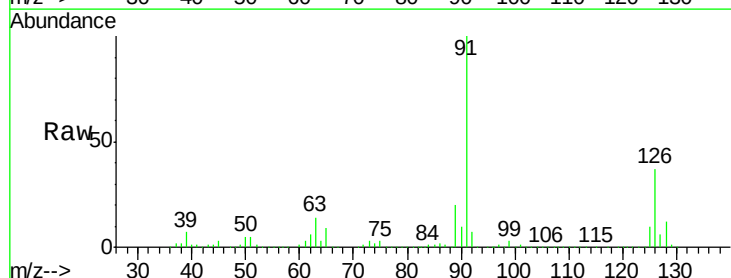
Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

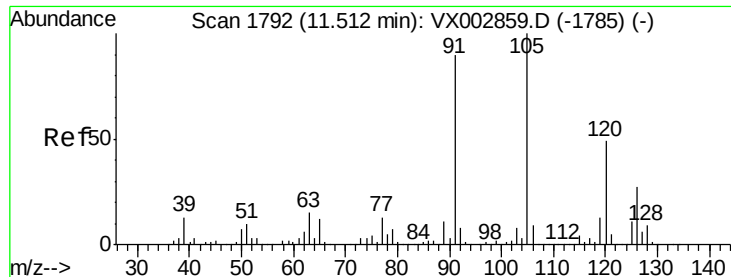
Tot Ion: 91 Resp: 899736
Ion Ratio Lower Upper
91 100
120 24.3 11.8 35.4



#79
2-Chlorotoluene
Concen: 47.68 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion: 91 Resp: 532553
Ion Ratio Lower Upper
91 100
126 36.5 17.7 53.1

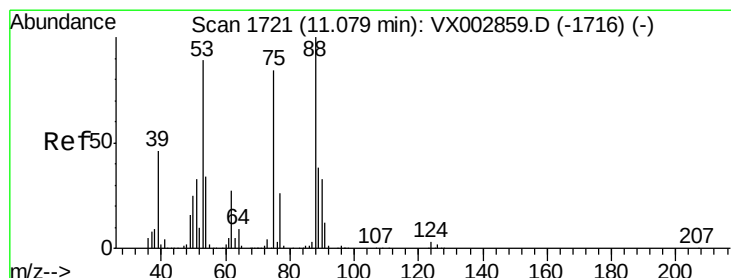
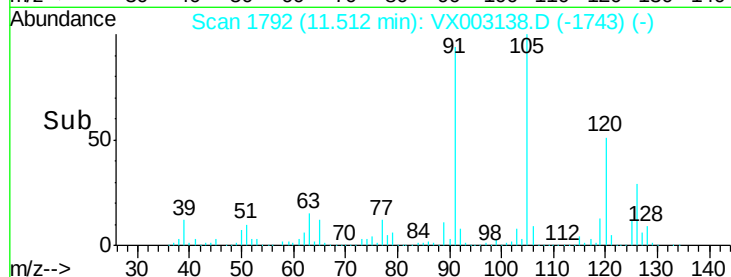
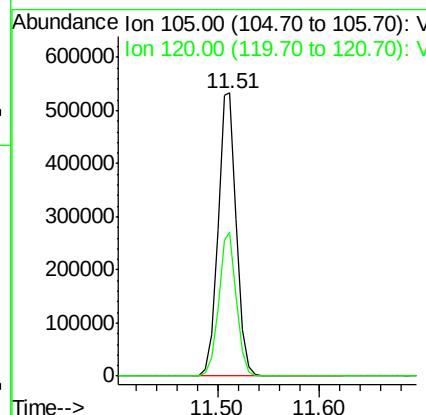
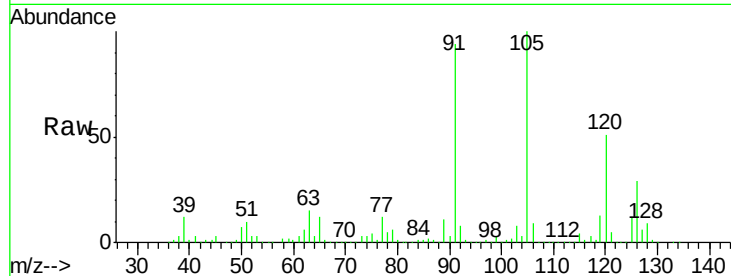




#80
 1,3,5-Trimethylbenzene
 Concen: 49.17 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

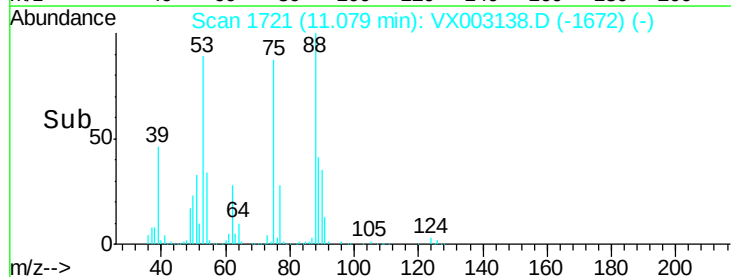
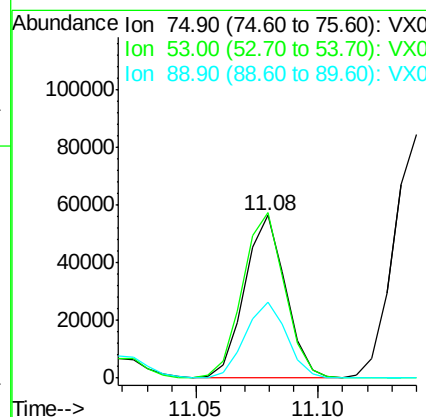
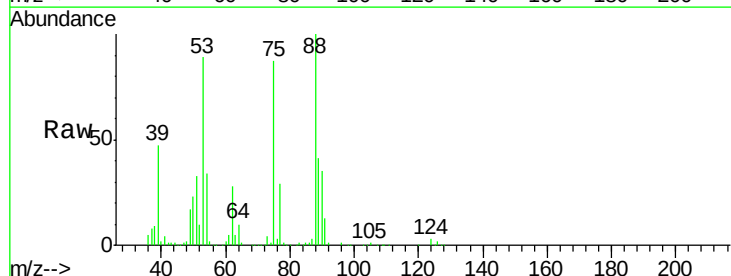
Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

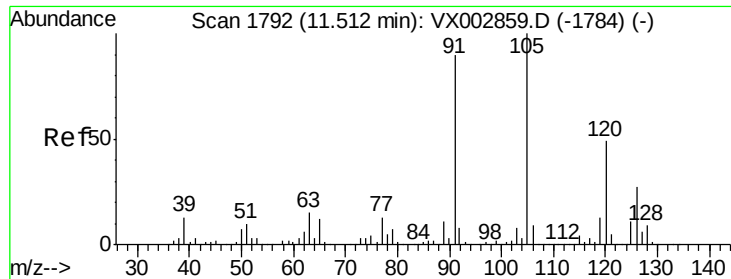
Tot Ion:105 Resp: 671275
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.85 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion: 75 Resp: 65293
 Ion Ratio Lower Upper
 75 100
 53 105.1 86.8 130.2
 89 47.8 38.2 57.2

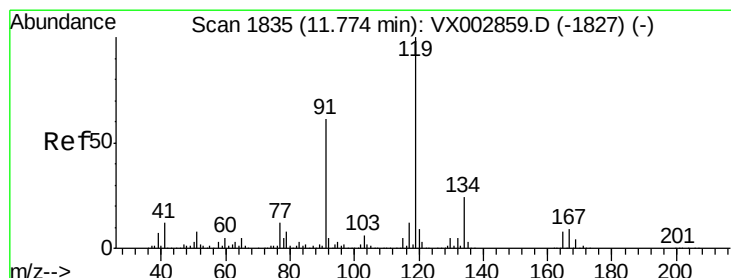
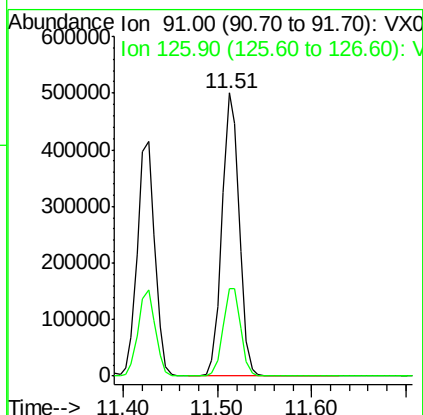
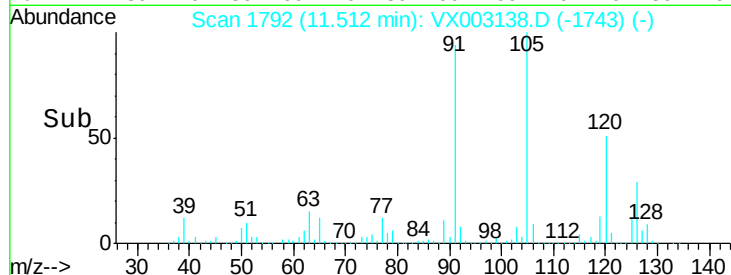
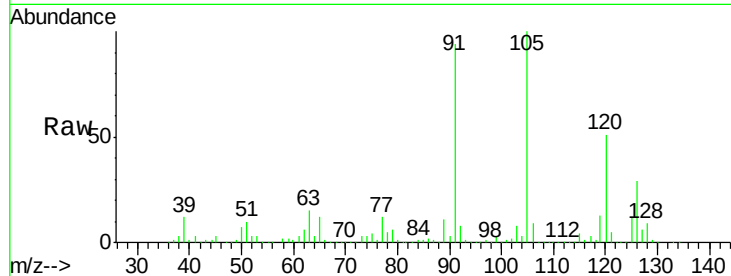




#82
4-Chlorotoluene
Concen: 47.84 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

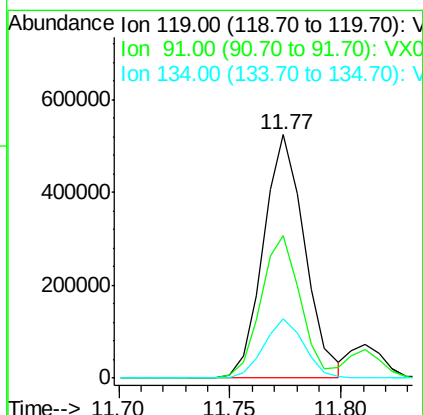
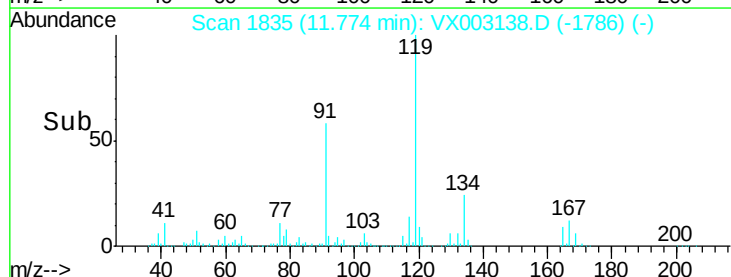
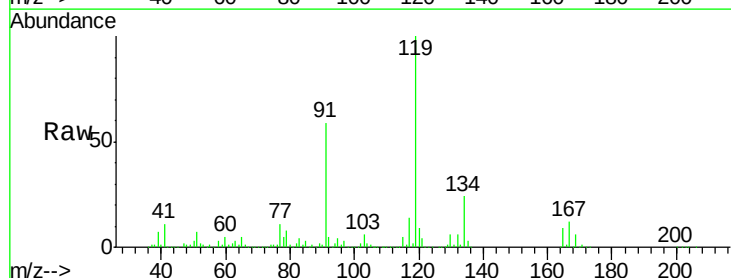
Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MSD

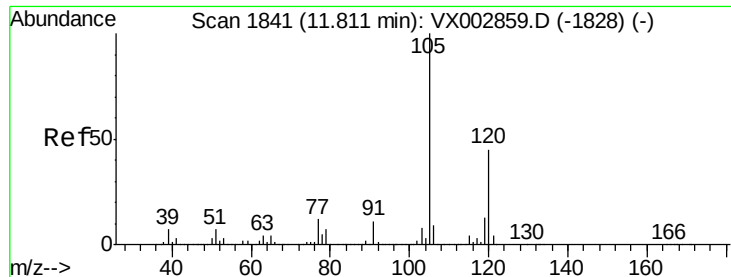
Tot Ion: 91 Resp: 632656
Ion Ratio Lower Upper
91 100
126 31.8 15.4 46.4



#83
tert-Butylbenzene
Concen: 50.28 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003138.D
Acq: 02 Jul 2018 20:11

Tgt Ion: 119 Resp: 676550
Ion Ratio Lower Upper
119 100
91 56.7 30.3 90.9
134 23.4 11.7 35.1

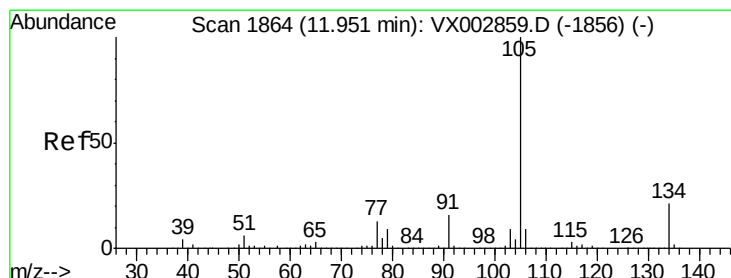
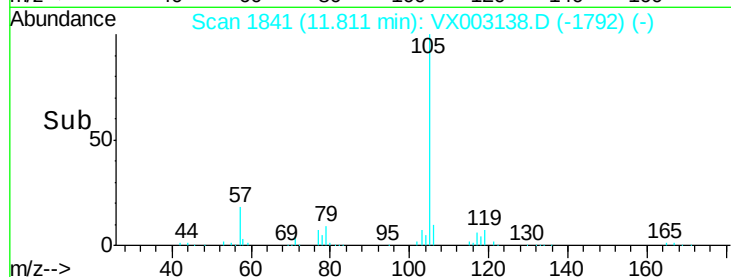
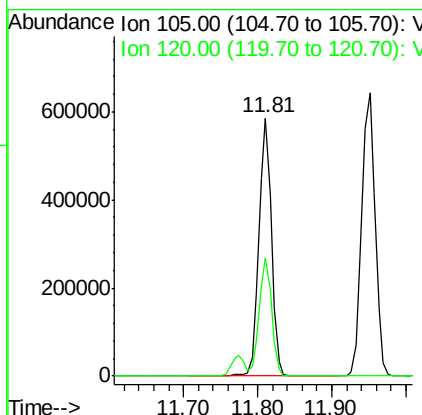
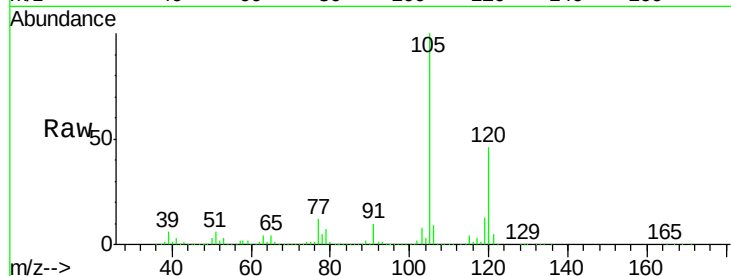




#84
 1,2,4-Trimethylbenzene
 Concen: 48.91 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

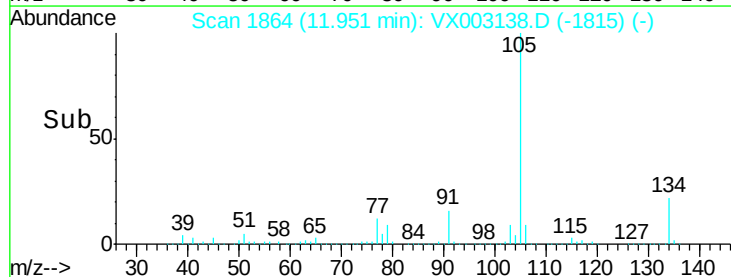
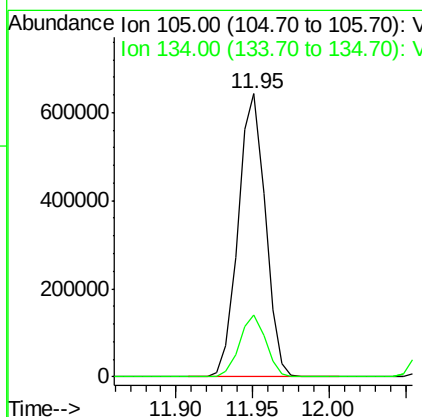
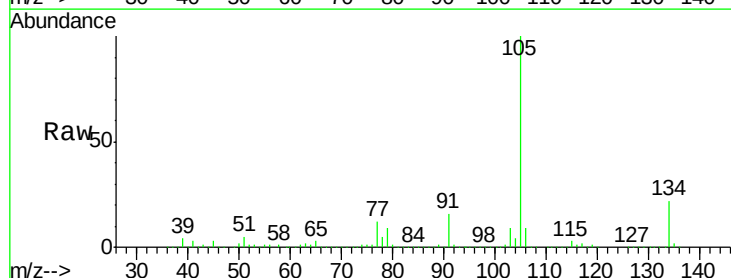
Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

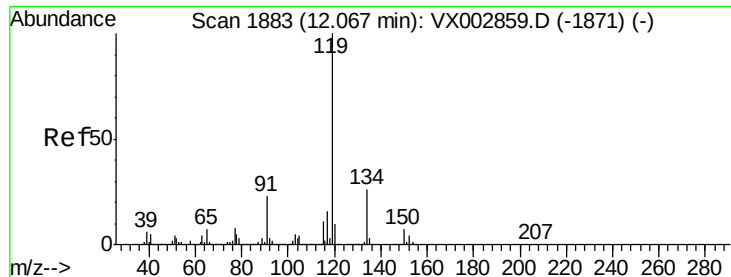
Tot Ion:105 Resp: 691865
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.3 66.8



#85
 sec-Butylbenzene
 Concen: 48.53 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion:105 Resp: 792091
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.4 31.1





#86

p-Isopropyltoluene

Concen: 49.49 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

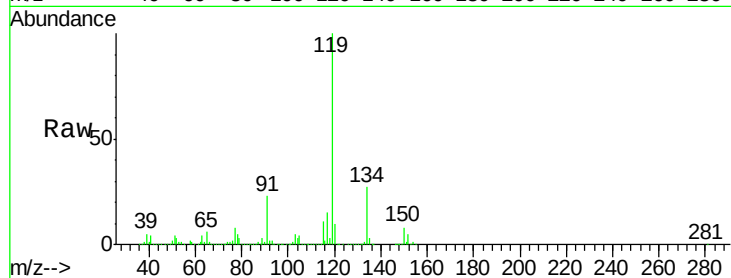
Tot Ion:119 Resp: 726272

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

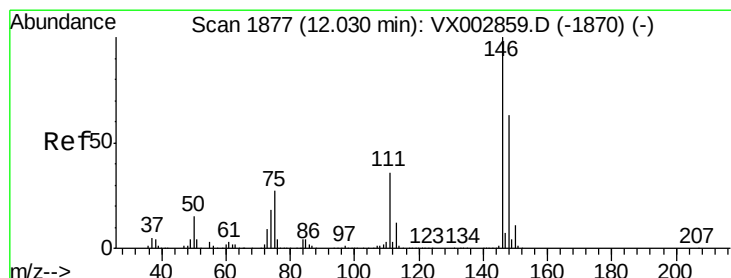
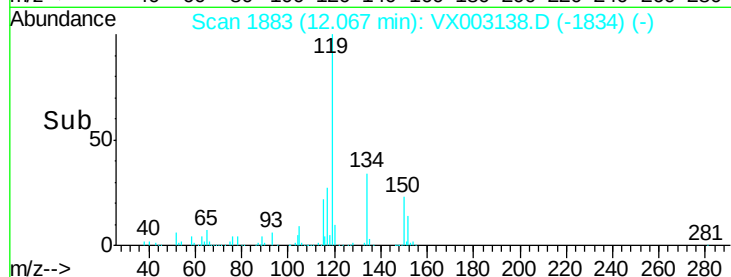
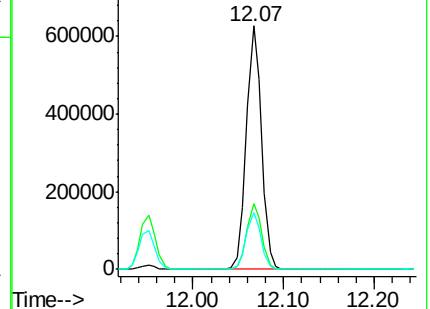
91 23.0 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 48.64 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

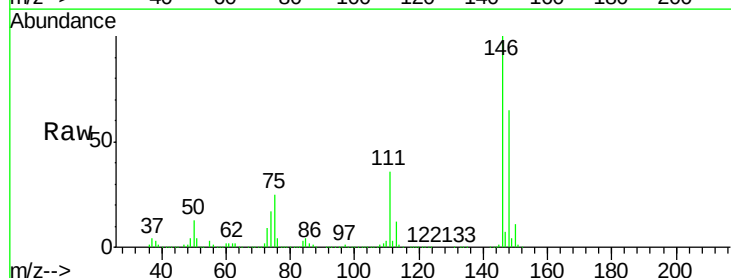
Tgt Ion:146 Resp: 410045

Ion Ratio Lower Upper

146 100

111 36.8 18.9 56.7

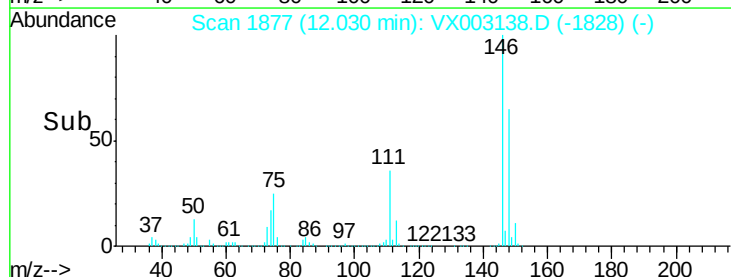
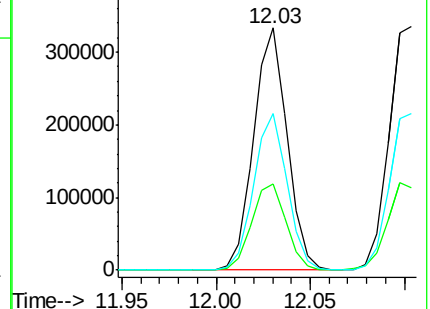
148 64.6 32.1 96.3

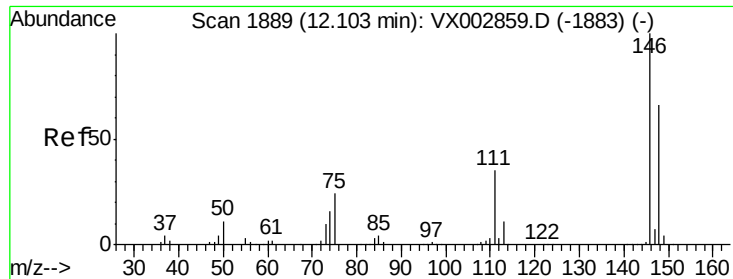


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 48.59 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

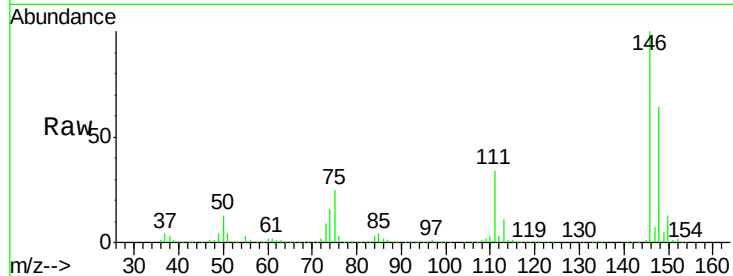
Tot Ion:146 Resp: 421603

Ion Ratio Lower Upper

146 100

111 35.8 18.7 56.1

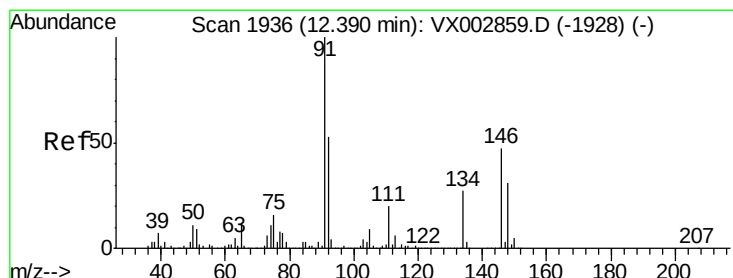
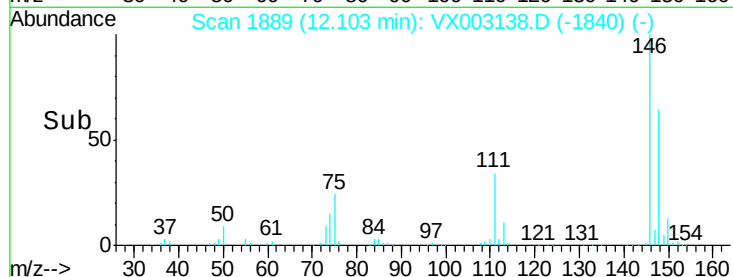
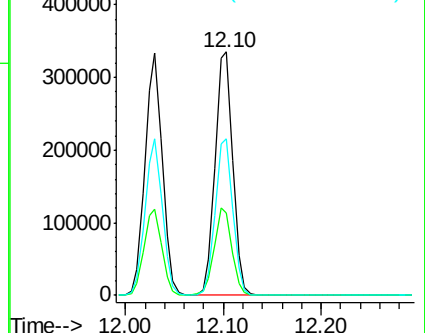
148 64.0 32.4 97.0



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



#89

n-Butylbenzene

Concen: 46.94 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

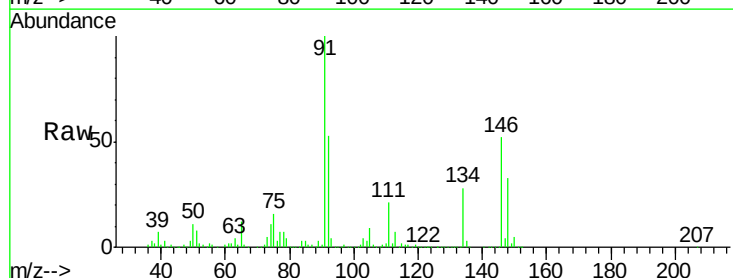
Tgt Ion: 91 Resp: 599553

Ion Ratio Lower Upper

91 100

92 52.5 26.0 78.0

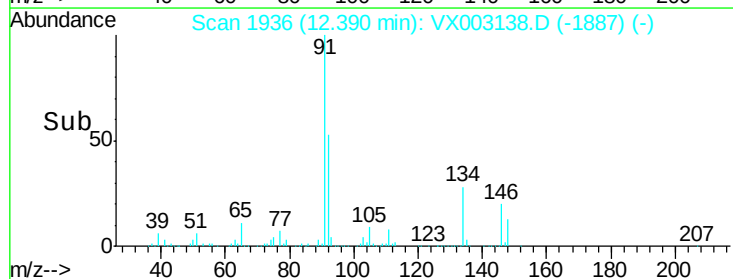
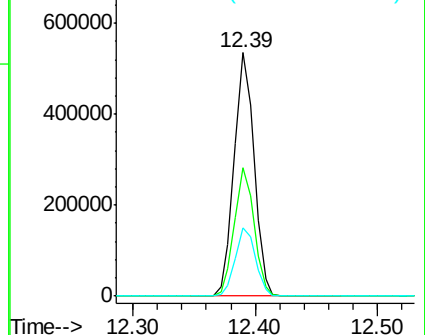
134 28.4 13.5 40.5

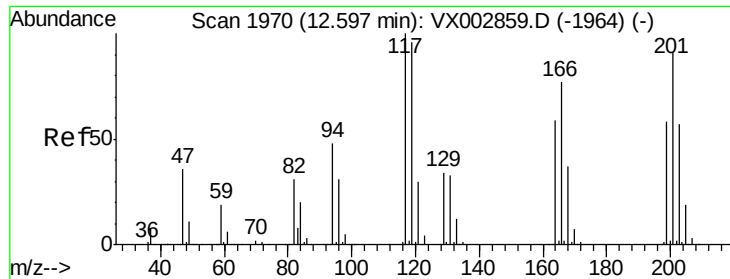


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 52.82 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

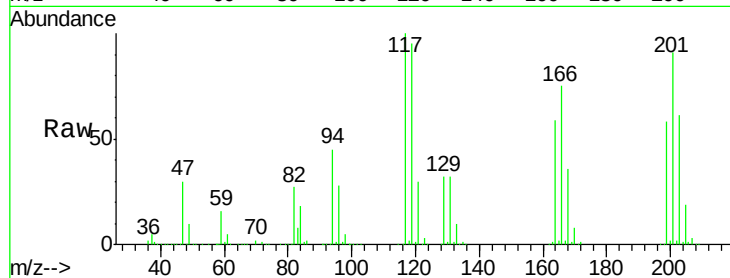
SP18-MMW-3414MSD

Tot Ion:117 Resp: 115283

Ion Ratio Lower Upper

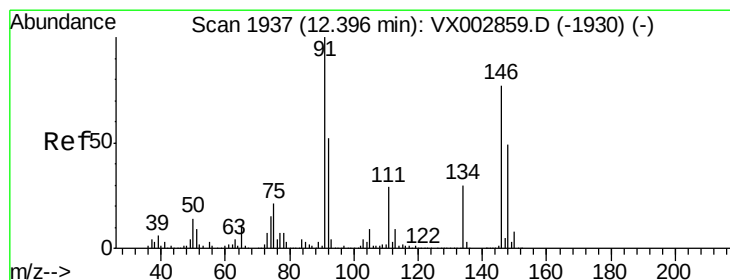
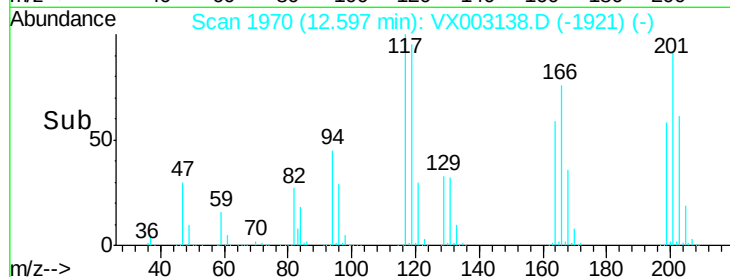
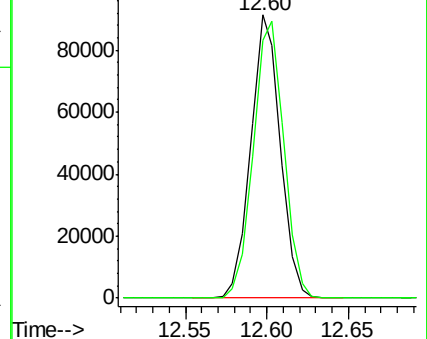
117 100

201 101.0 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 48.57 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

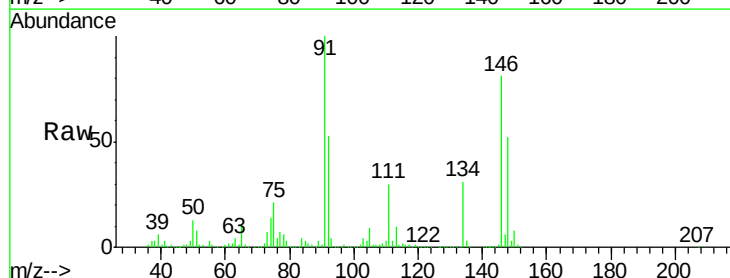
Tgt Ion:146 Resp: 413326

Ion Ratio Lower Upper

146 100

111 38.3 19.4 58.1

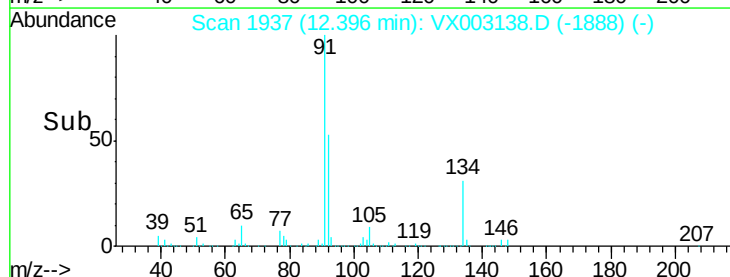
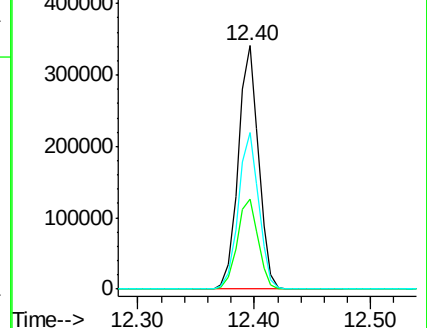
148 64.7 31.7 95.1

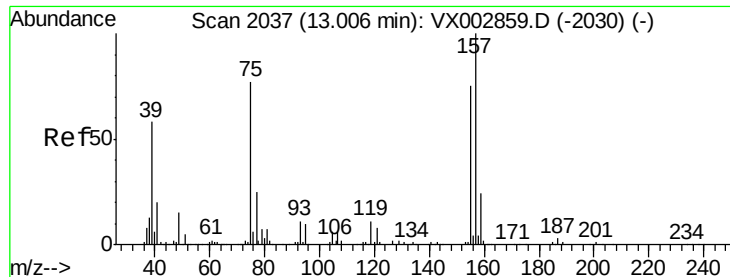


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

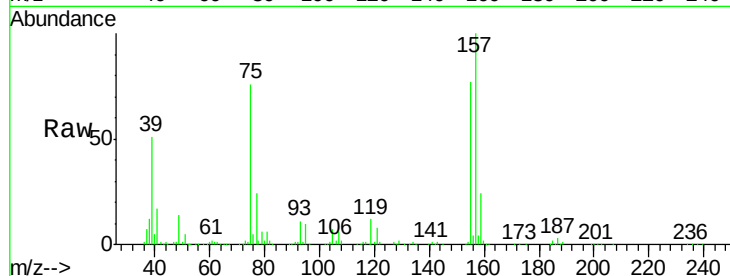




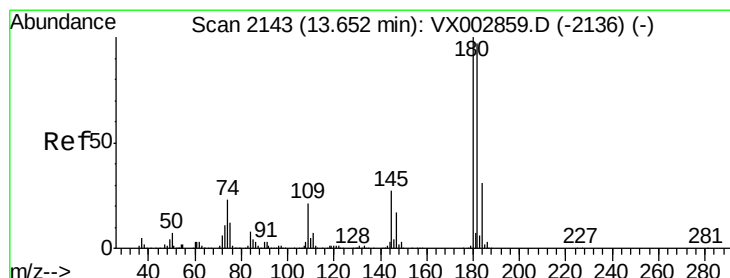
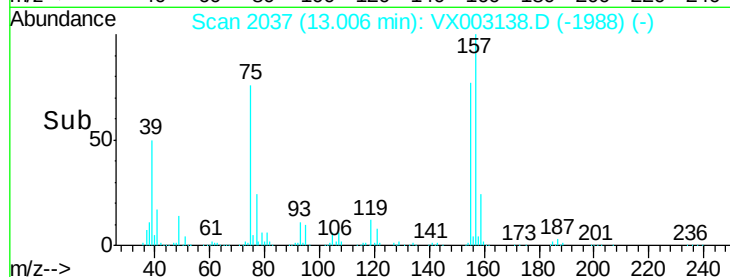
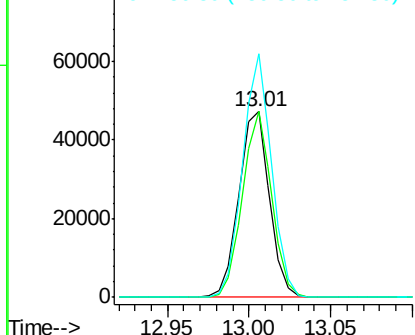
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.54 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Tot Ion: 75 Resp: 61217
 Ion Ratio Lower Upper
 75 100
 155 96.0 45.8 137.4
 157 124.4 60.1 180.3

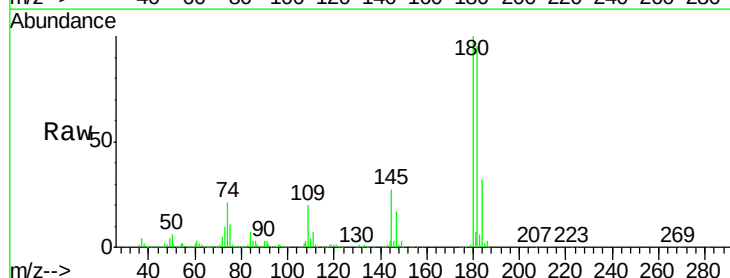


Abundance Ion 74.90 (74.60 to 75.60): VX
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

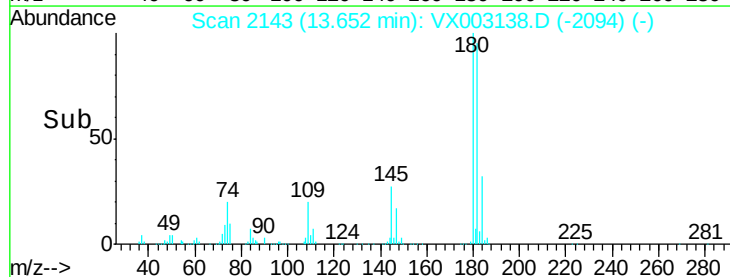
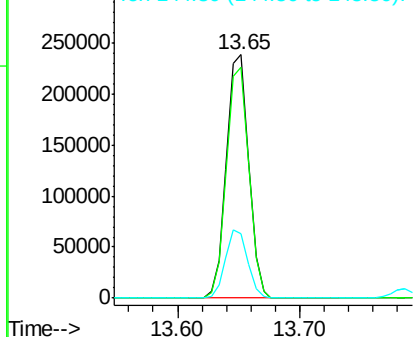


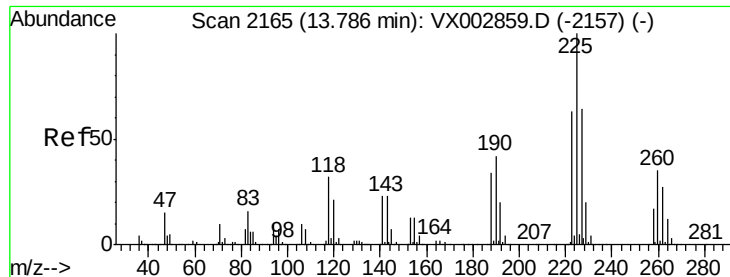
#93
 1,2,4-Trichlorobenzene
 Concen: 48.56 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Tgt Ion:180 Resp: 300707
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.7 143.1
 145 27.9 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 46.49 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MSD

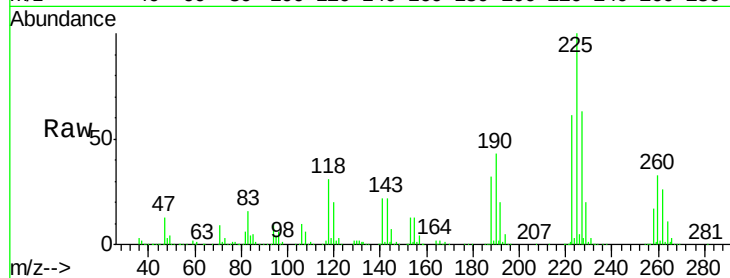
Tot Ion:225 Resp: 143605

Ion Ratio Lower Upper

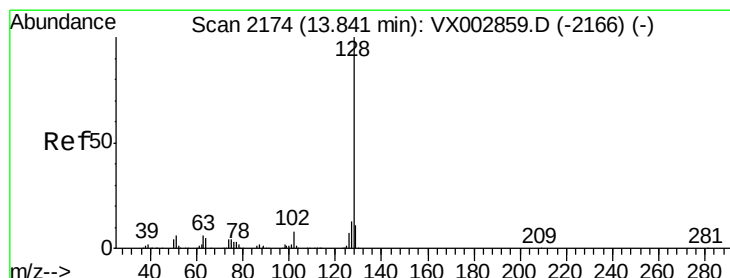
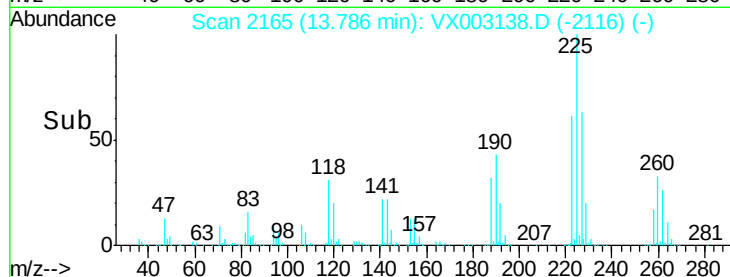
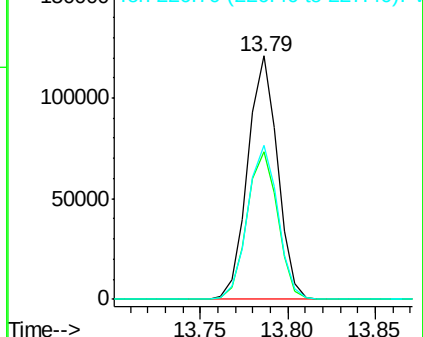
225 100

223 62.5 31.6 95.0

227 64.3 32.4 97.2



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: 53.72 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003138.D

Acq: 02 Jul 2018 20:11

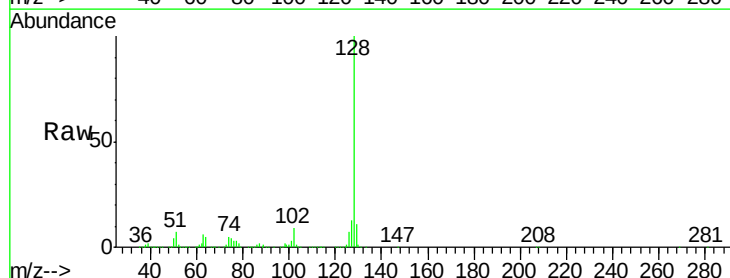
Tgt Ion:128 Resp: 886124

Ion Ratio Lower Upper

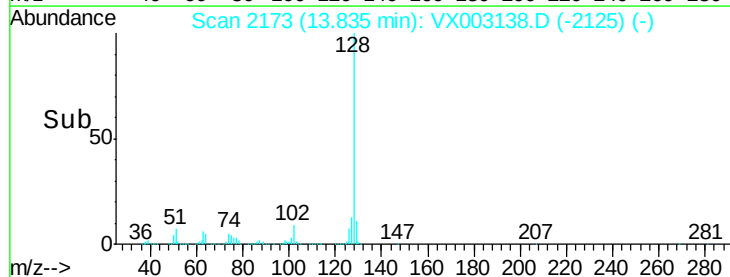
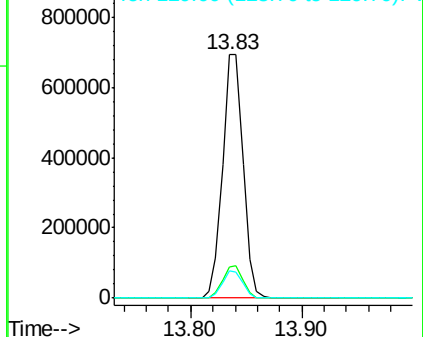
128 100

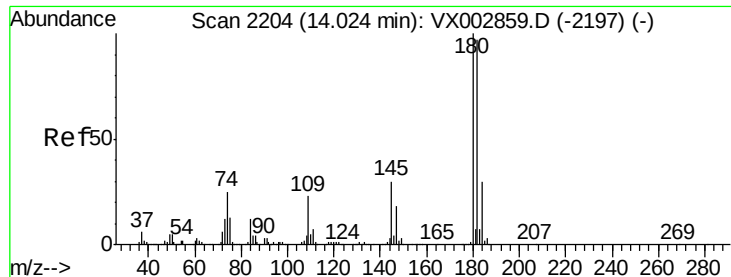
127 13.2 10.4 15.6

129 11.0 8.6 13.0



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: 49.87 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX003138.D
 Acq: 02 Jul 2018 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.0
145	29.4	14.8	44.3

