

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070318\
 Data File : VX003146.D
 Acq On : 03 Jul 2018 14:05
 Operator : JC/MD
 Sample : I.BLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 04 03:14:17 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	261206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	360370	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185458	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	164959	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	
35) Dibromofluoromethane	5.51	113	136551	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
50) Toluene-d8	8.72	98	501110	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.14	95	172851	43.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.02%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	1044	Below Cal		95
4) Vinyl Chloride	1.40	62	621	0.21 ug/l	#	1
5) Bromomethane	1.65	94	2791	Below Cal		96
6) Chloroethane	1.68	64	467	Below Cal	#	63
9) 1,1,2-Trichlorotrifluoroet	2.37	101	753	0.26 ug/l		96
10) Methyl Iodide	2.52	142	7975	8.61 ug/l		97
11) Tert butyl alcohol	3.07	59	326	0.45 ug/l	#	66
12) 1,1-Dichloroethene	2.39	96	793	0.31 ug/l		82
13) Acrolein	2.29	56	147	4.59 ug/l	#	75
15) Acrylonitrile	3.15	53	1296	0.84 ug/l		90
16) Acetone	2.45	43	885	0.59 ug/l	#	65
17) Carbon Disulfide	2.57	76	6350	0.93 ug/l	#	85
20) Methylene Chloride	2.86	84	983	0.34 ug/l	#	80
21) trans-1,2-Dichloroethene	3.17	96	1209	0.43 ug/l	#	89
27) cis-1,2-Dichloroethene	4.62	96	829	0.26 ug/l	#	1
29) Tetrahydrofuran	5.18	42	1237	0.87 ug/l	#	65
36) 1,1-Dichloropropene	5.79	75	1478	0.37 ug/l	#	88
39) Methylcyclohexane	7.46	83	1420	0.31 ug/l	#	57
40) Benzene	6.15	78	13680	1.19 ug/l		91
44) Trichloroethene	7.21	130	1091	0.32 ug/l		95
64) Tetrachloroethene	9.34	164	1000	0.27 ug/l		90
65) Chlorobenzene	10.14	112	1966	0.23 ug/l		99
68) m/p-Xylenes	10.37	106	2097	0.39 ug/l		87
71) Bromoform	10.86	173	161	3.96 ug/l	#	28
76) 1,2,3-Trichloropropane	11.14	75	87491	26.04 ug/l	#	33
77) Bromobenzene	11.26	156	798	0.22 ug/l		88
78) n-propylbenzene	11.37	91	3533	0.25 ug/l		96
79) 2-Chlorotoluene	11.43	91	1889	0.22 ug/l		90
81) trans-1,4-Dichloro-2-buten	11.14	75	87491	73.85 ug/l	#	7
82) 4-Chlorotoluene	11.52	91	3085	0.30 ug/l		96
84) 1,2,4-Trimethylbenzene	11.81	105	2263	0.21 ug/l		93
85) sec-Butylbenzene	11.95	105	2764	0.22 ug/l		99
86) p-Isopropyltoluene	12.07	119	2699	0.24 ug/l	#	75
87) 1,3-Dichlorobenzene	12.03	146	2482	0.38 ug/l		95

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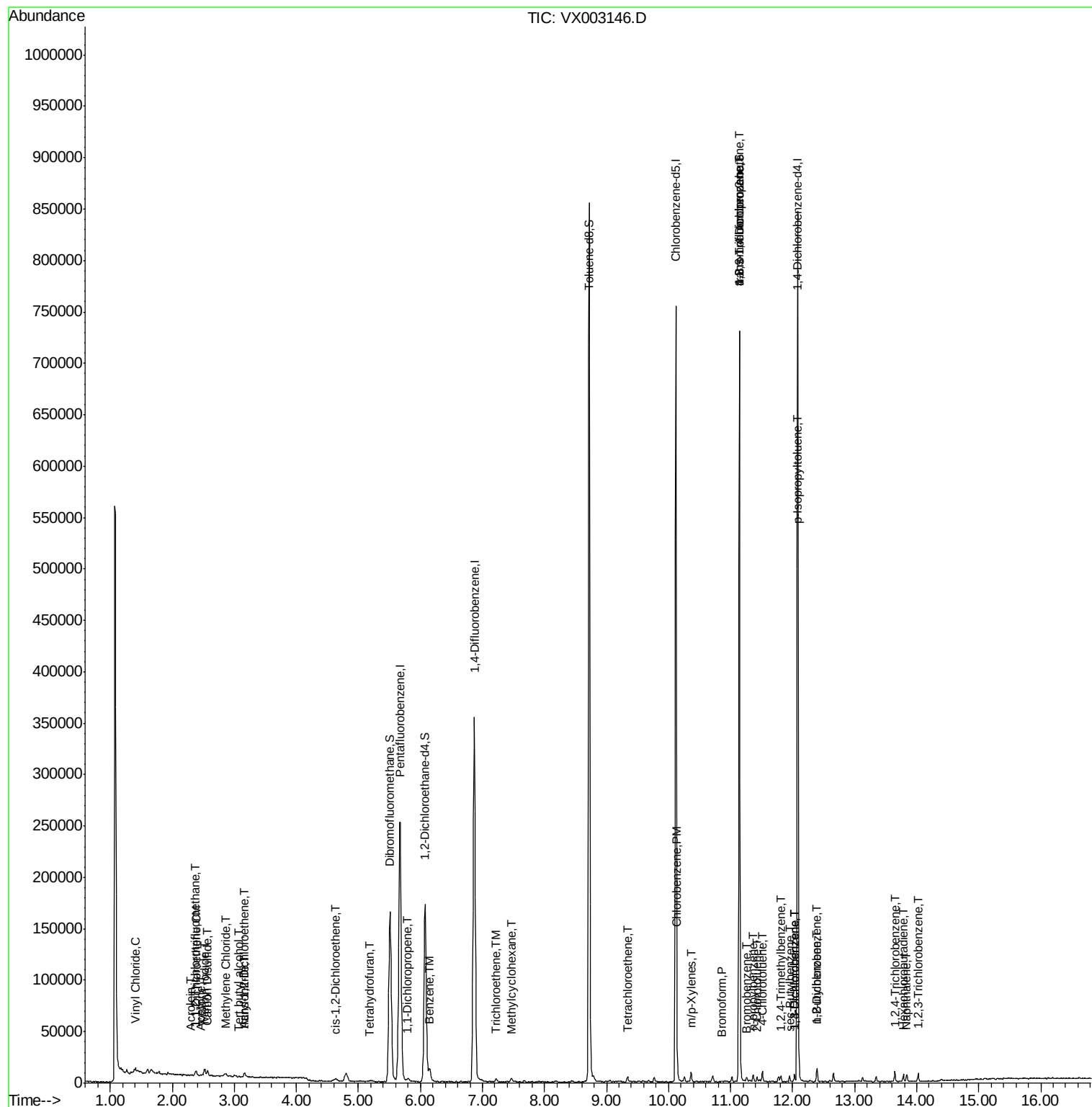
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	12.03	146	2482	0.37	ug/l	95
89) n-Butylbenzene	12.39	91	3293	0.33	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	1875	0.29	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	2673	0.56	ug/l	97
94) Hexachlorobutadiene	13.79	225	1206	0.51	ug/l	96
95) Naphthalene	13.84	128	4271	0.34	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.02	180	2057	0.43	ug/l	93

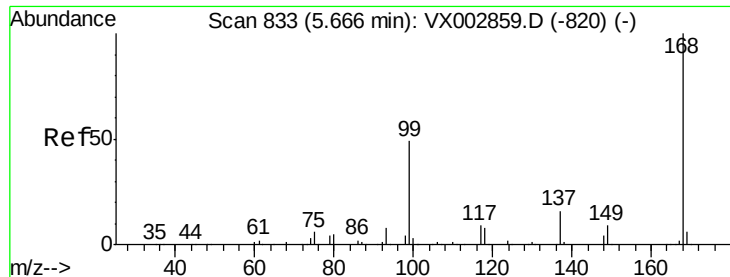
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

Quant Time: Jul 04 03:14:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

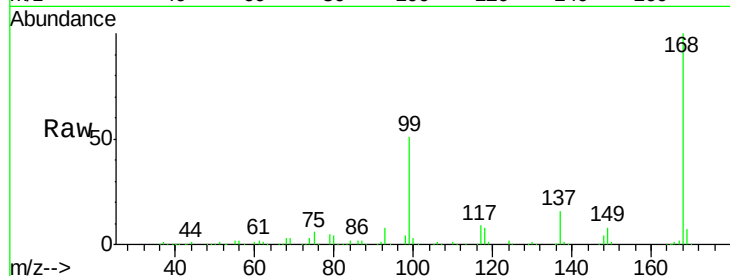
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 261206

Ion Ratio Lower Upper

168 100

99 50.5 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

100000

80000

60000

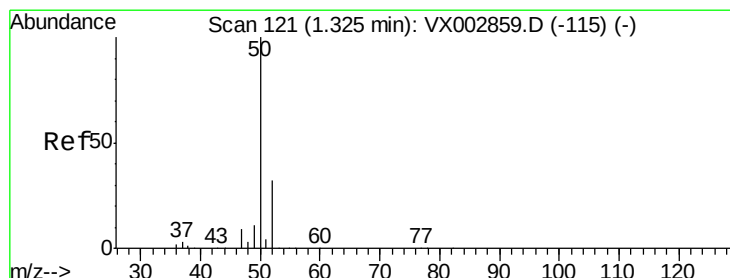
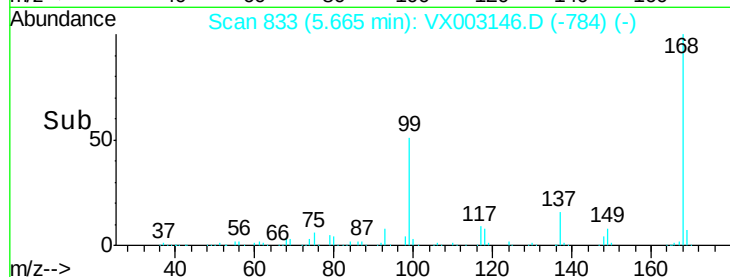
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003146.D

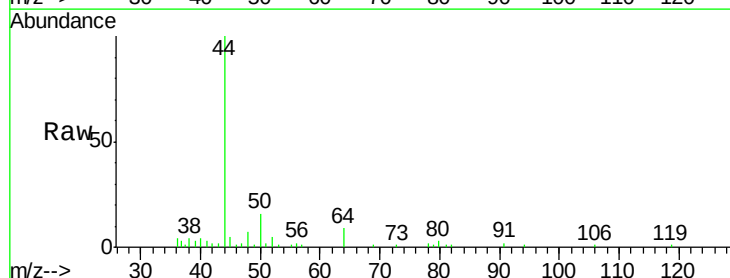
Acq: 03 Jul 2018 14:05

Tgt Ion: 50 Resp: 1044

Ion Ratio Lower Upper

50 100

52 29.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

600

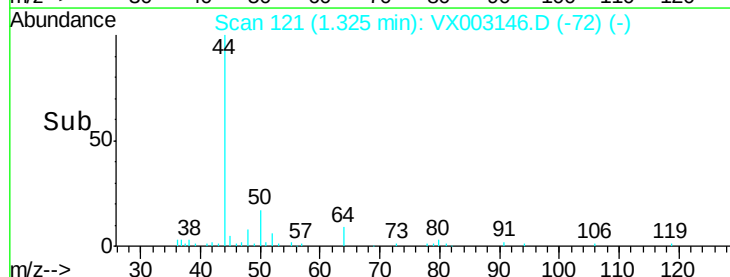
400

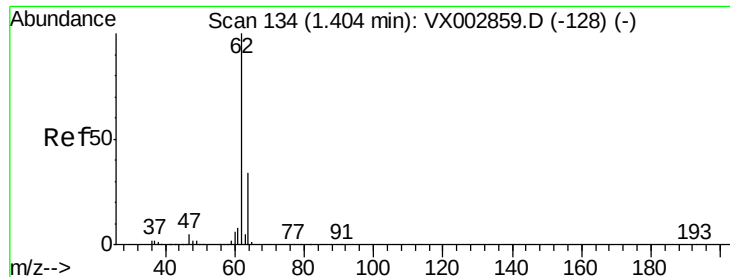
200

0

Time-->

1.30 1.35 1.40





#4

Vinyl Chloride

Concen: 0.21 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Instrument :

MSVOA_X

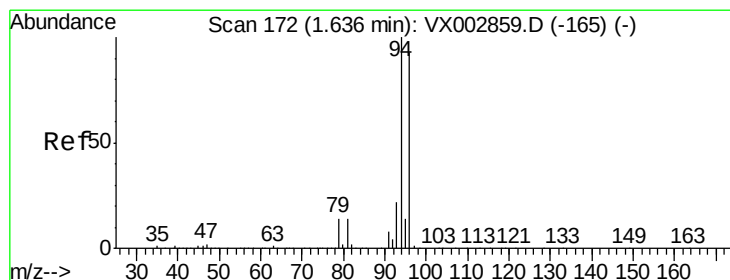
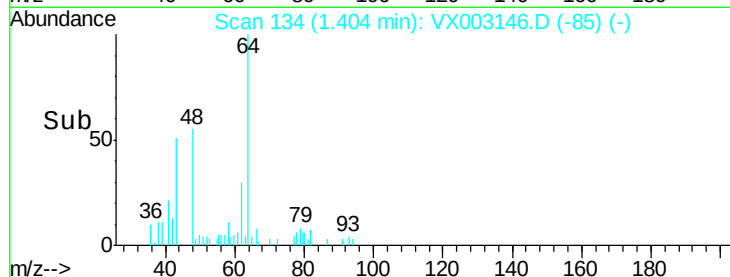
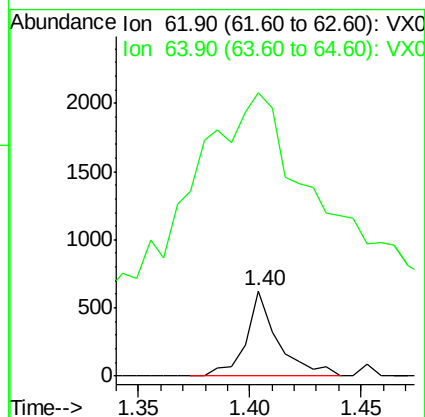
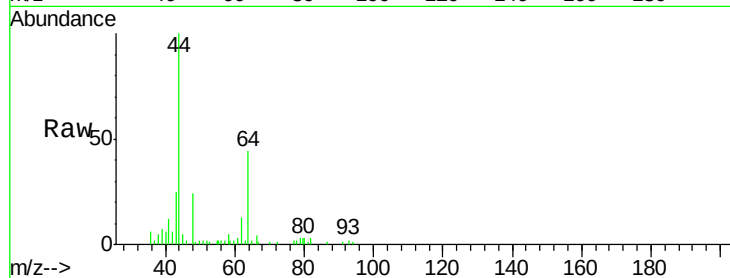
ClientSampled :

Tot Ion: 62 Resp: 621

Ion Ratio Lower Upper

62 100

64 143.3 25.4 38.2#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003146.D

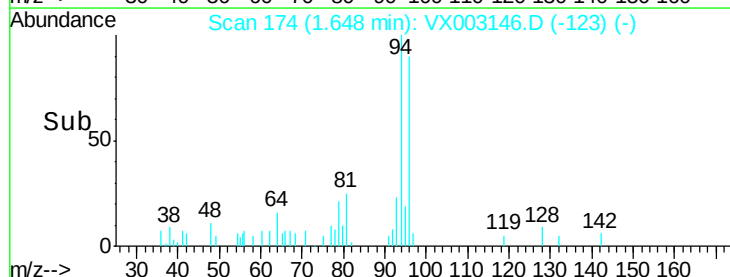
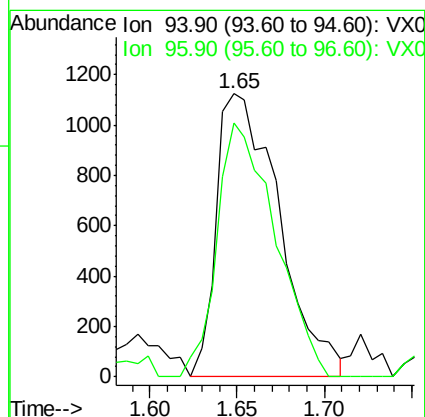
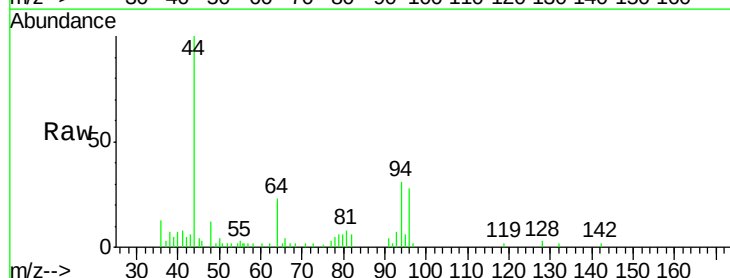
Acq: 03 Jul 2018 14:05

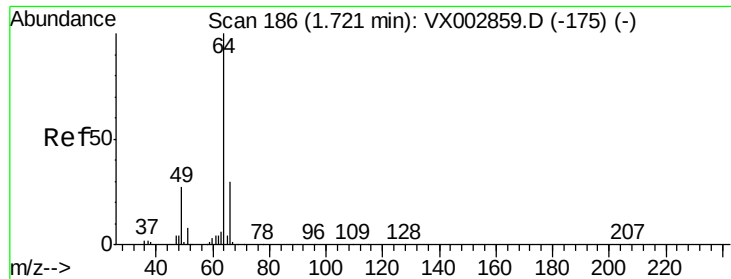
Tgt Ion: 94 Resp: 2791

Ion Ratio Lower Upper

94 100

96 89.6 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 180

Delta R.T. -0.04 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Instrument :

MSVOA_X

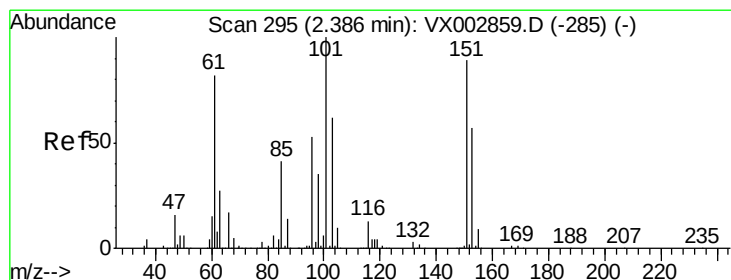
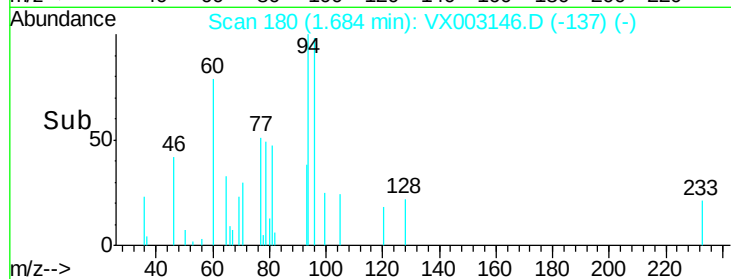
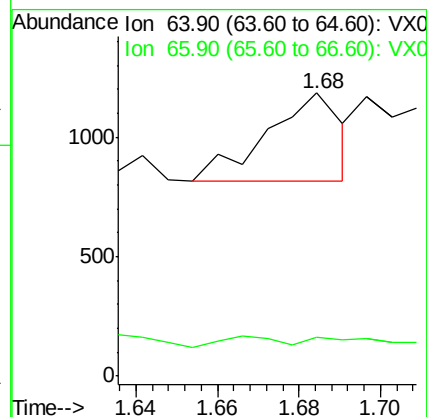
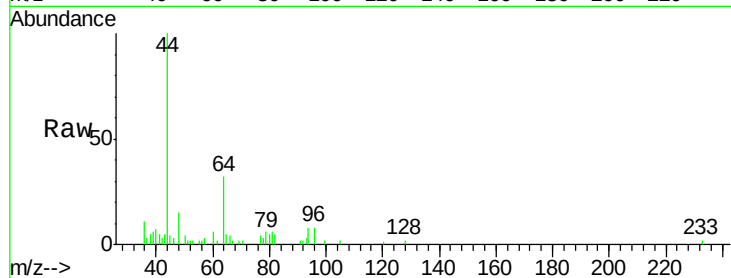
ClientSampled :

Tot Ion: 64 Resp: 467

Ion Ratio Lower Upper

64 100

66 11.1 25.5 38.3#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.26 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

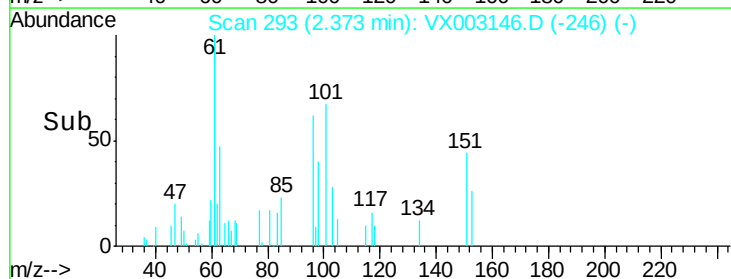
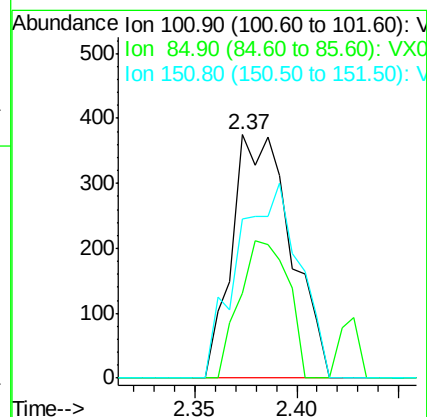
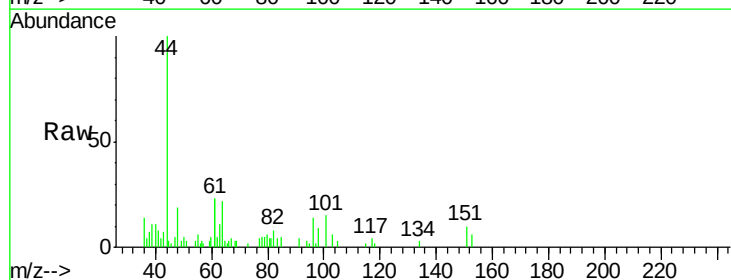
Tgt Ion:101 Resp: 753

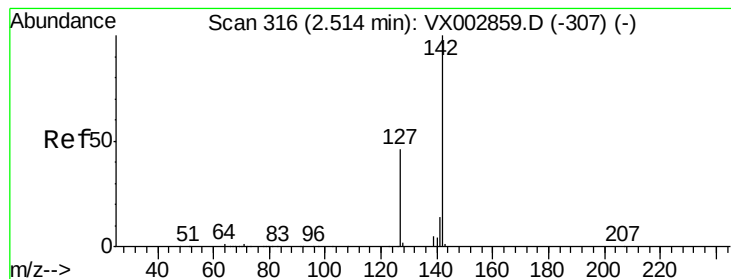
Ion Ratio Lower Upper

101 100

85 46.3 36.0 54.0

151 84.1 70.9 106.3





#10

Methyl Iodide

Concen: 8.61 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Instrument :

MSVOA_X

ClientSampled :

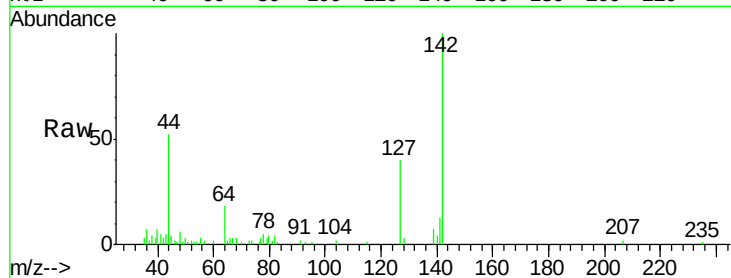
Tot Ion:142 Resp: 7975

Ion Ratio Lower Upper

142 100

127 43.3 36.6 55.0

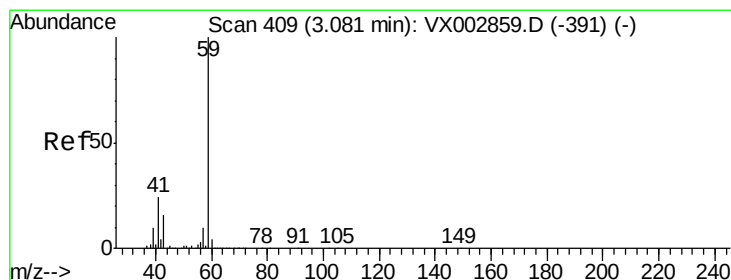
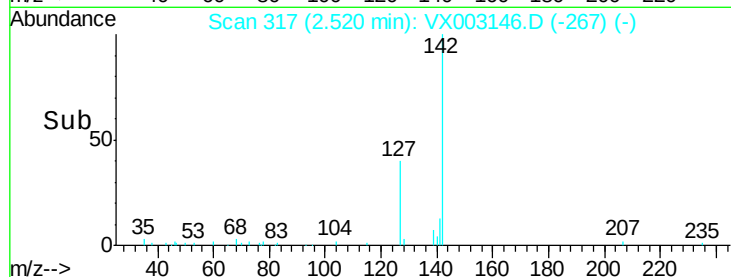
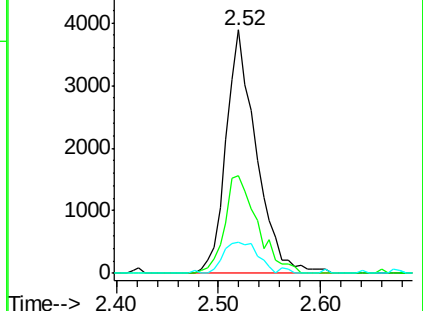
141 14.5 11.3 16.9



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: 0.45 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX003146.D

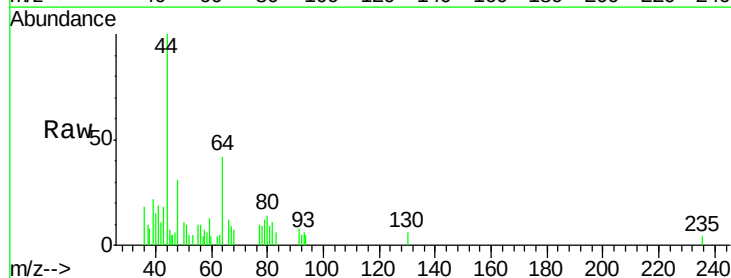
Acq: 03 Jul 2018 14:05

Tgt Ion: 59 Resp: 326

Ion Ratio Lower Upper

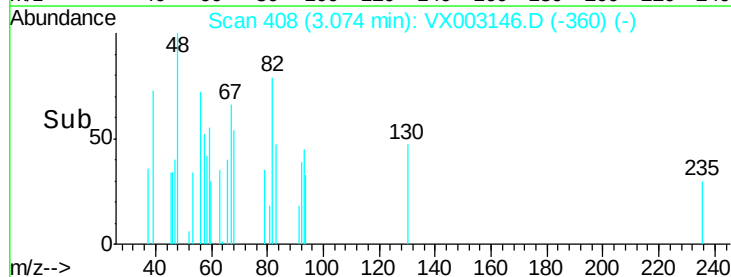
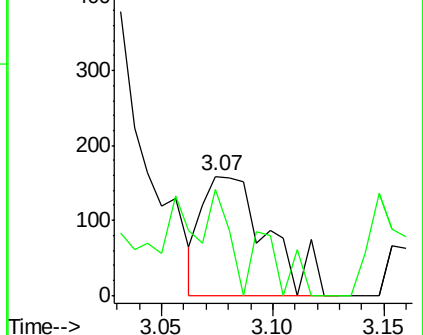
59 100

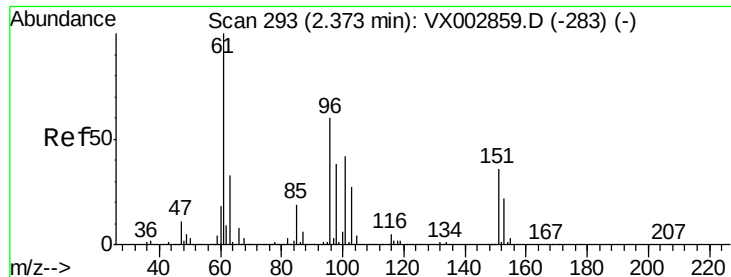
57 23.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

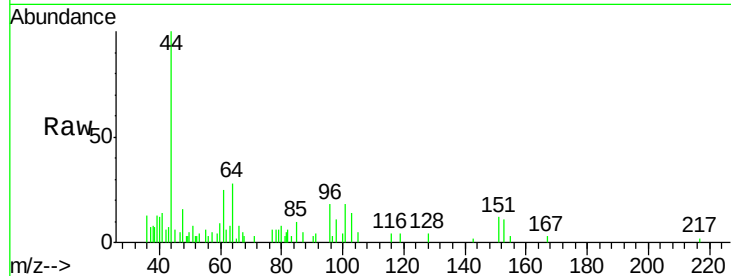




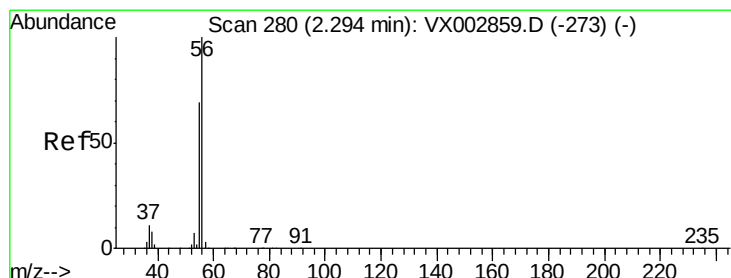
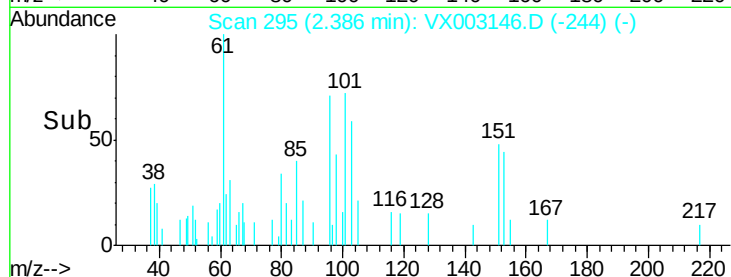
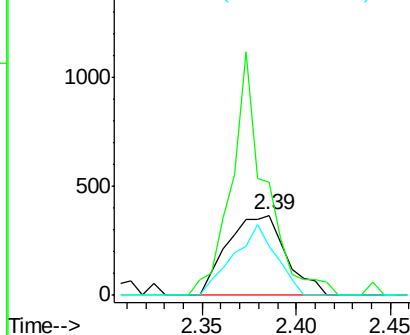
#12
 1,1-Dichloroethene
 Concen: 0.31 ug/l
 RT: 2.39 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VX003146.D
 Acq: 03 Jul 2018 14:05

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 96 Resp: 793
 Ion Ratio Lower Upper
 96 100
 61 140.2 137.9 206.9
 98 60.9 51.6 77.4

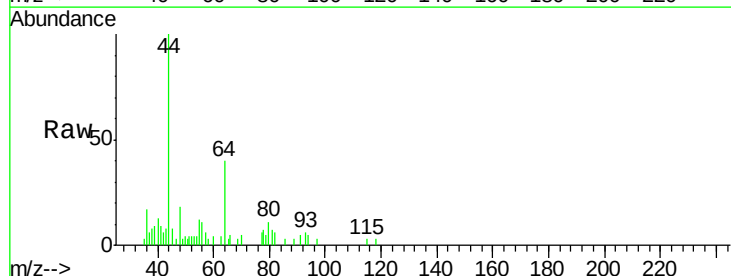


Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

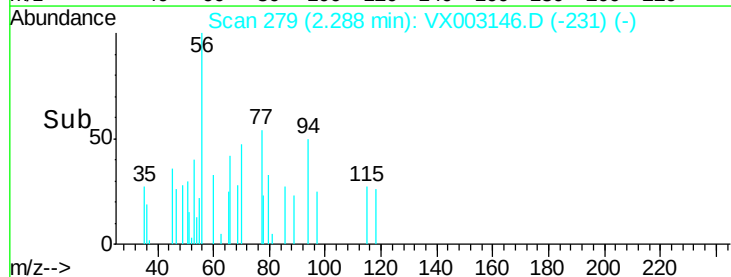
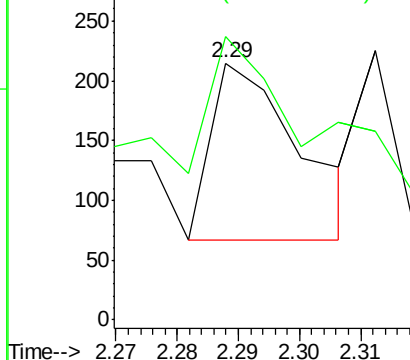


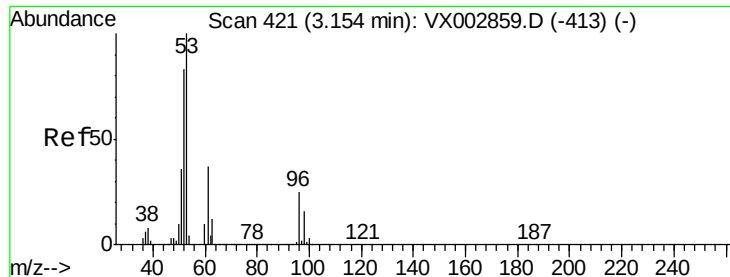
#13
 Acrolein
 Concen: 4.59 ug/l
 RT: 2.29 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX003146.D
 Acq: 03 Jul 2018 14:05

Tgt Ion: 56 Resp: 147
 Ion Ratio Lower Upper
 56 100
 55 91.8 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.84 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Instrument :
MSVOA_X
ClientSampled :

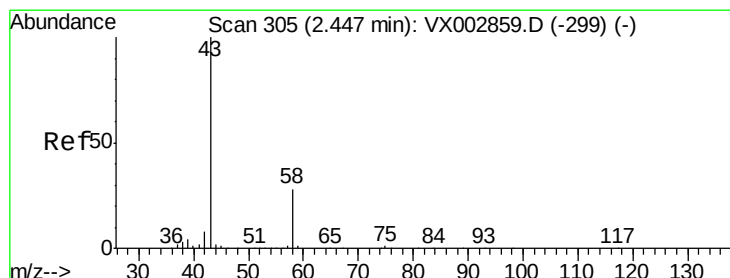
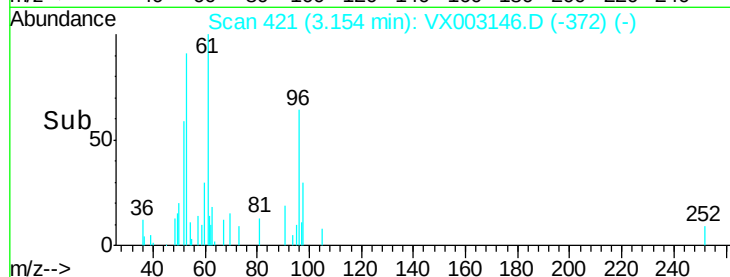
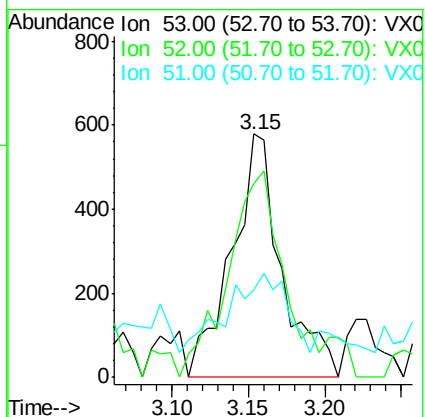
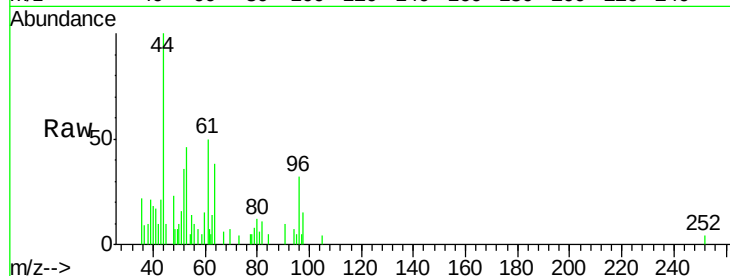
Tot Ion: 53 Resp: 1296

Ion Ratio Lower Upper

53 100

52 94.9 66.7 100.1

51 38.8 29.9 44.9



#16

Acetone

Concen: 0.59 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003146.D

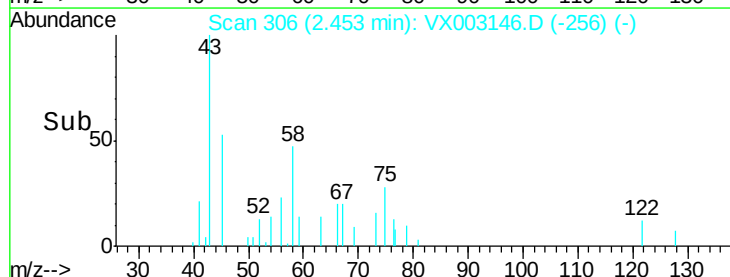
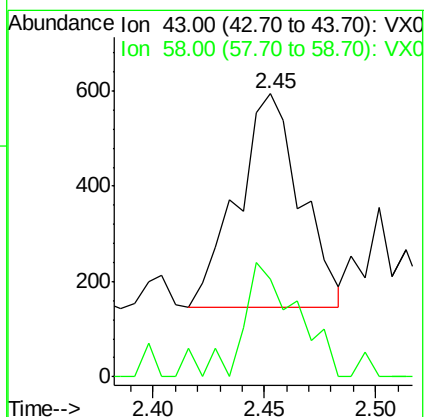
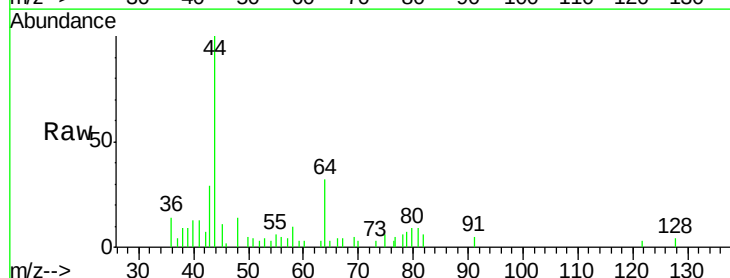
Acq: 03 Jul 2018 14:05

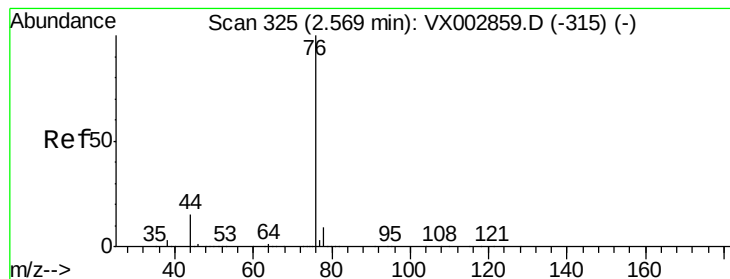
Tgt Ion: 43 Resp: 885

Ion Ratio Lower Upper

43 100

58 45.6 22.1 33.1#





#17

Carbon Disulfide

Concen: 0.93 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Instrument :

MSVOA_X

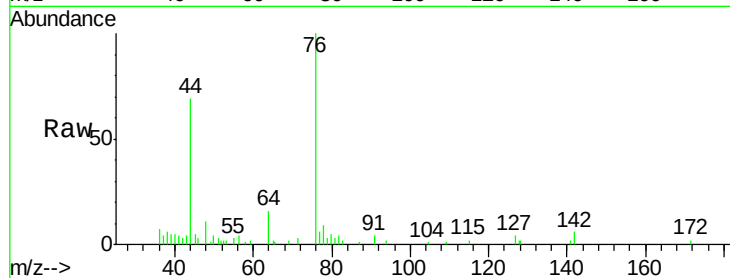
ClientSampleId :

Tot Ion: 76 Resp: 6350

Ion Ratio Lower Upper

76 100

78 3.3 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

4000

3000

2000

1000

0

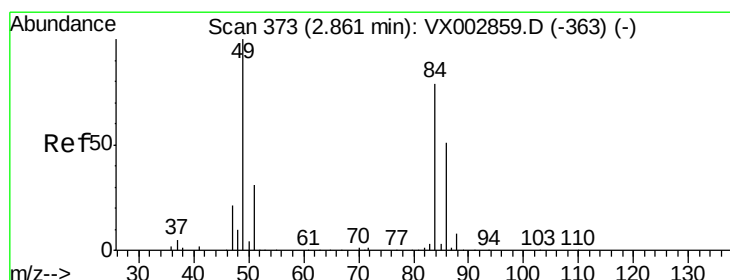
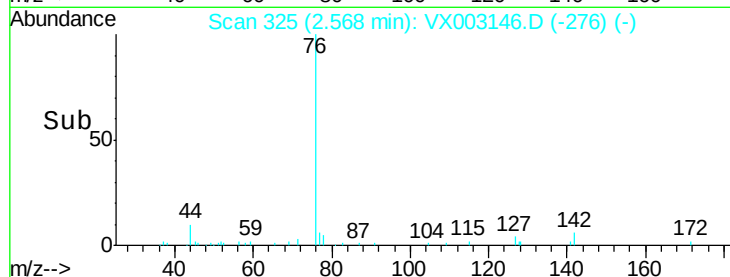
Time-->

2.50

2.55

2.60

2.65



#20

Methylene Chloride

Concen: 0.34 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Tgt Ion: 84 Resp: 983

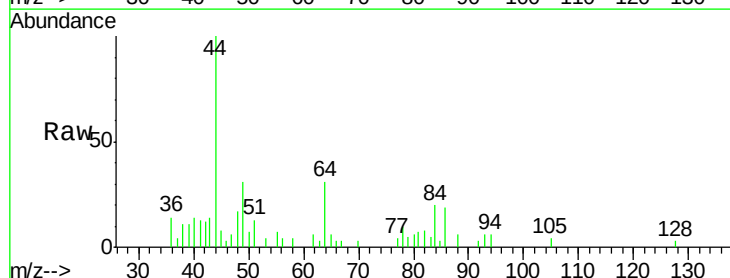
Ion Ratio Lower Upper

84 100

49 155.4 107.8 161.6

51 41.6 32.8 49.2

86 95.7 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

1000

800

600

400

200

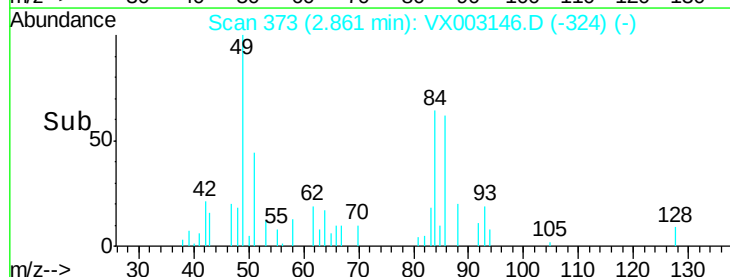
0

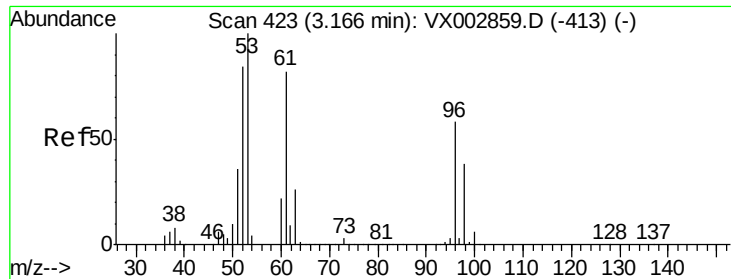
Time-->

2.80

2.85

2.90





#21

trans-1,2-Dichloroethene

Concen: 0.43 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Instrument :

MSVOA_X

ClientSampled :

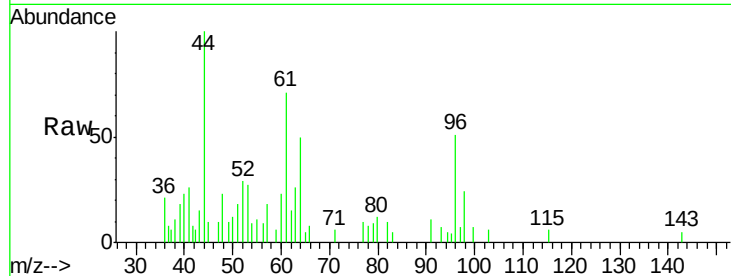
Tot Ion: 96 Resp: 1209

Ion Ratio Lower Upper

96 100

61 139.0 117.0 175.4

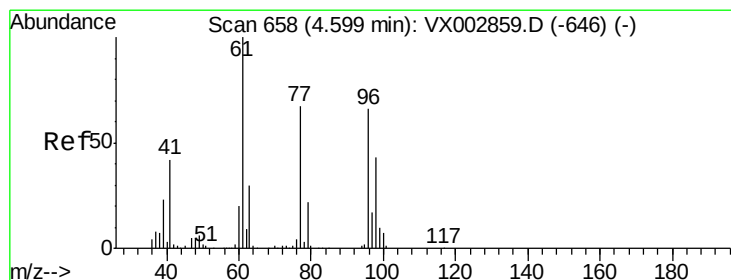
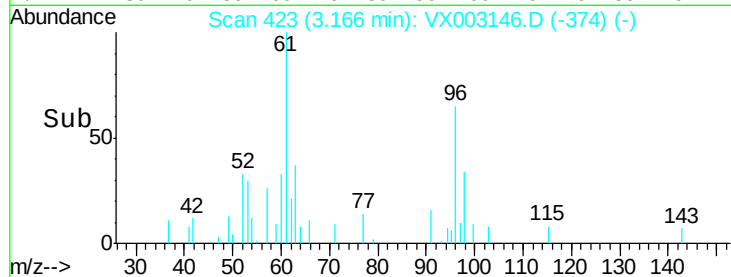
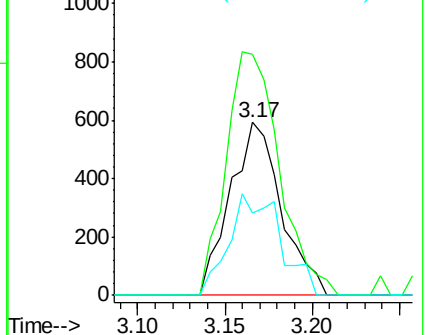
98 47.4 52.4 78.6#



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



#27

cis-1,2-Dichloroethene

Concen: 0.26 ug/l

RT: 4.62 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

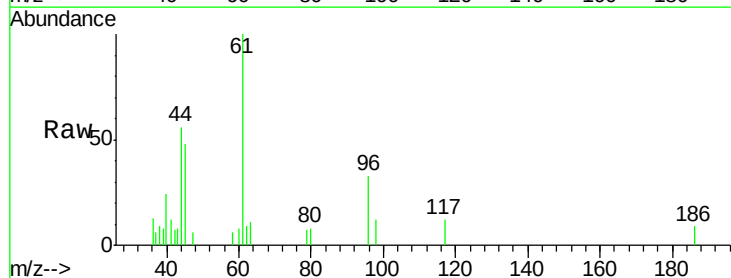
Tgt Ion: 96 Resp: 829

Ion Ratio Lower Upper

96 100

61 835.7 0.0 330.2#

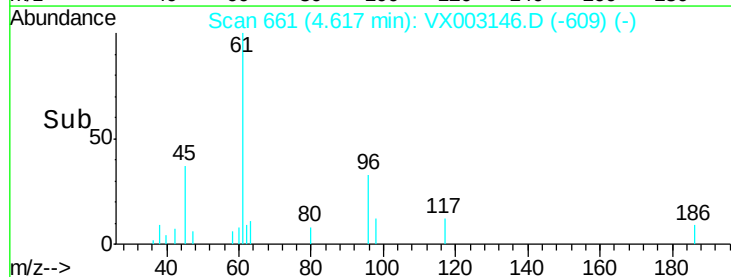
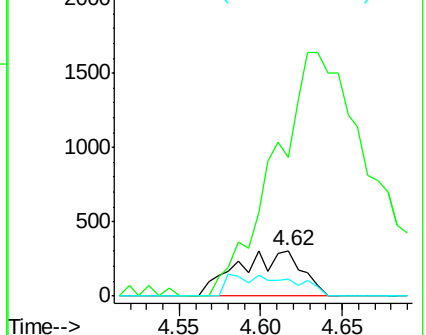
98 0.0 0.0 130.2

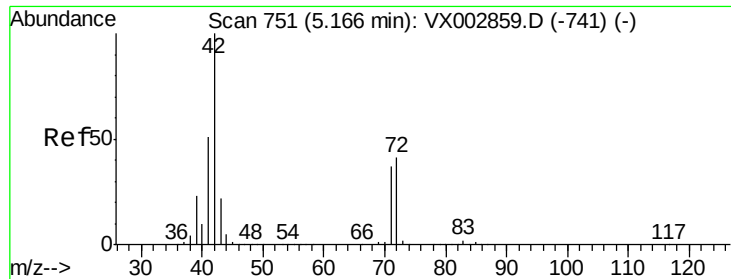


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

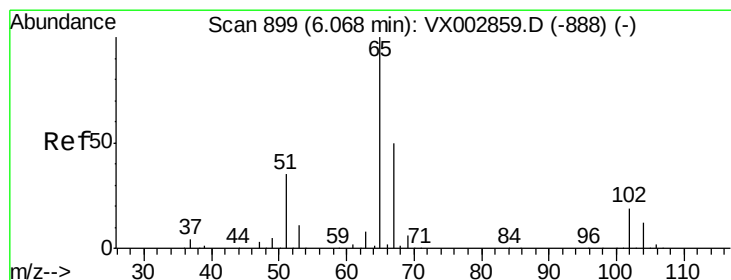
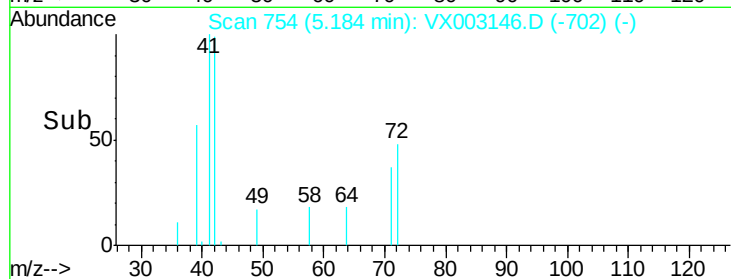
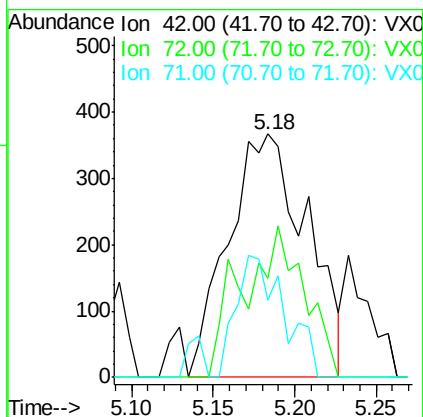
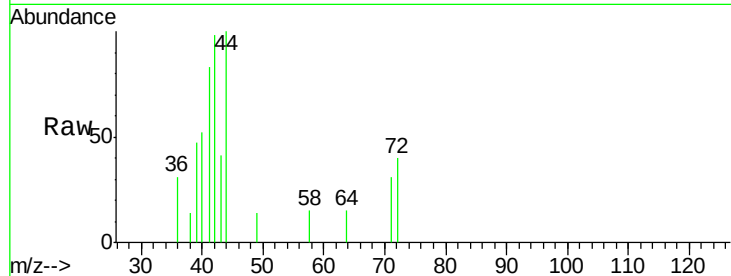




#29
Tetrahydrofuran
Concen: 0.87 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.02 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

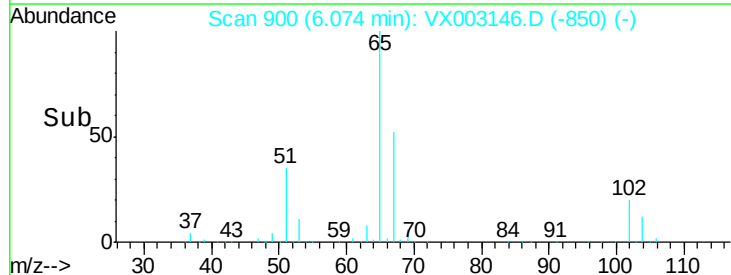
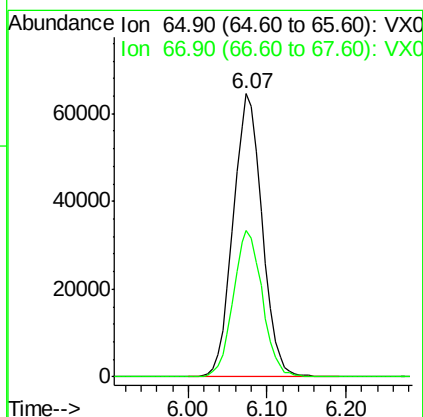
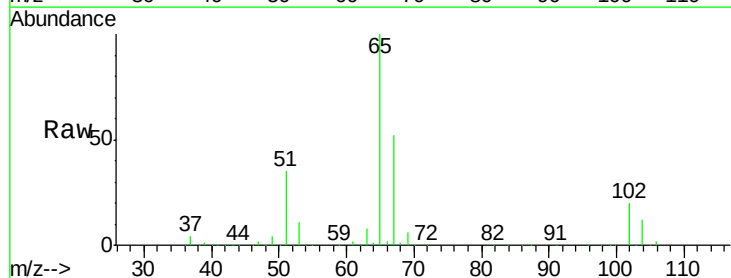
Instrument :
MSVOA_X
ClientSampled :

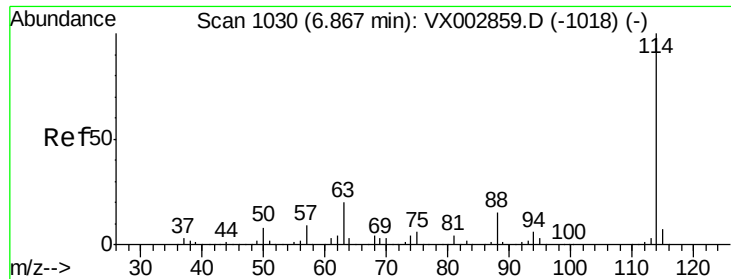
Tot Ion: 42 Resp: 1237
Ion Ratio Lower Upper
42 100
72 33.9 32.0 48.0
71 0.0 30.1 45.1#



#33
1,2-Dichloroethane-d4
Concen: 45.69 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

Tgt Ion: 65 Resp: 164959
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.6

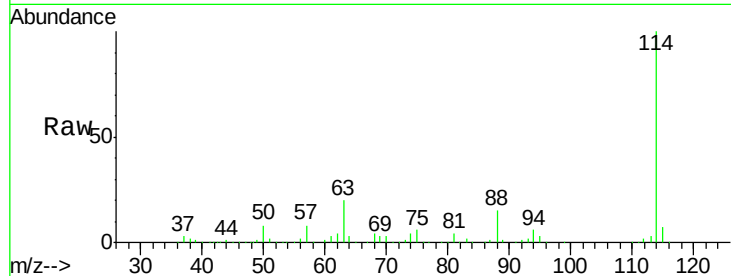




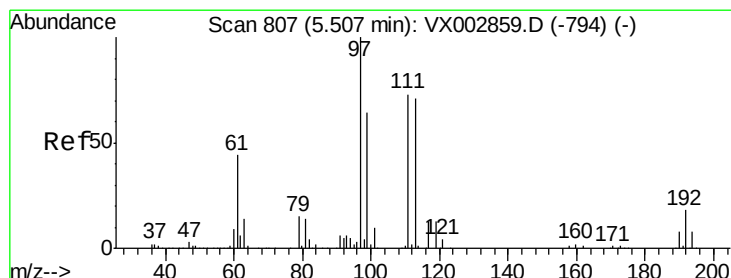
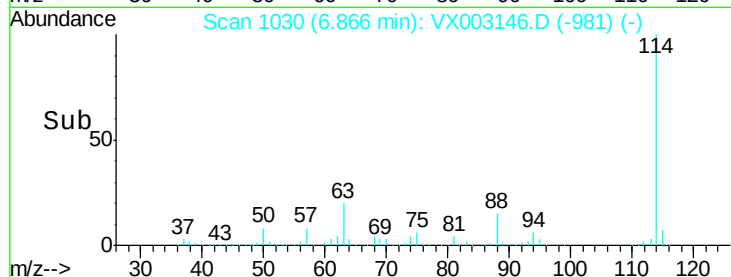
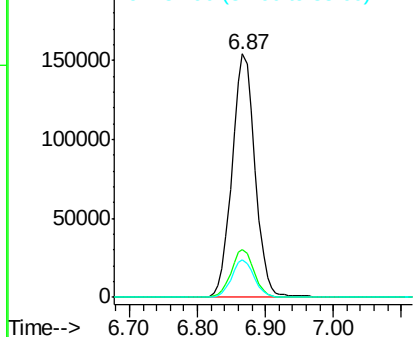
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 360370
Ion Ratio Lower Upper
114 100
63 19.7 0.0 41.4
88 15.3 0.0 30.0

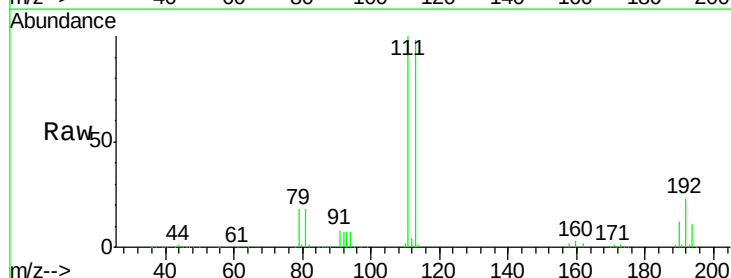


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

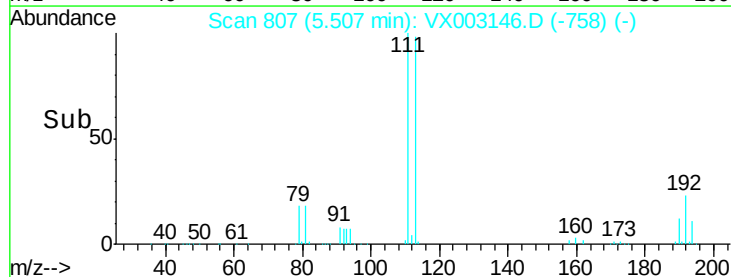
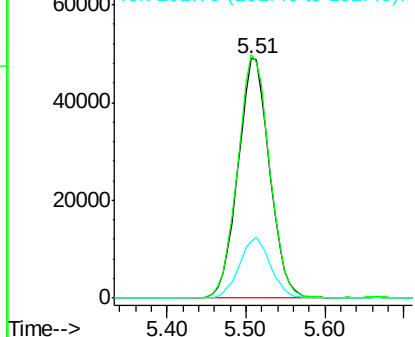


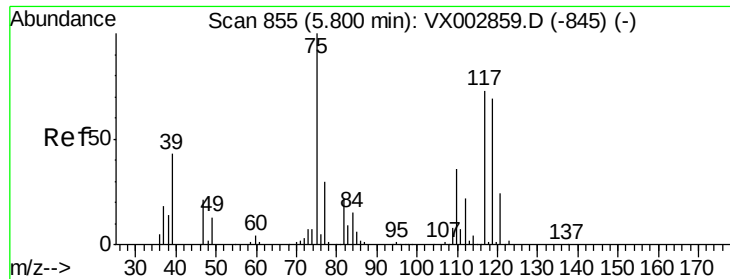
#35
Dibromofluoromethane
Concen: 47.85 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

Tgt Ion:113 Resp: 136551
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 25.1 19.1 28.7



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

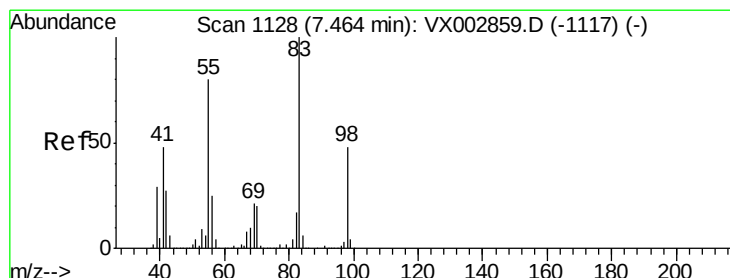
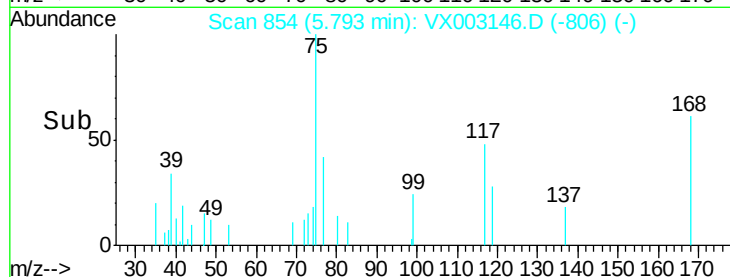
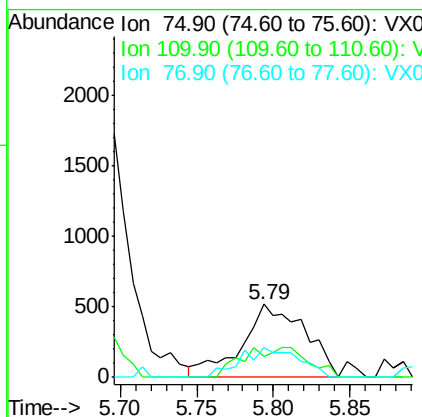
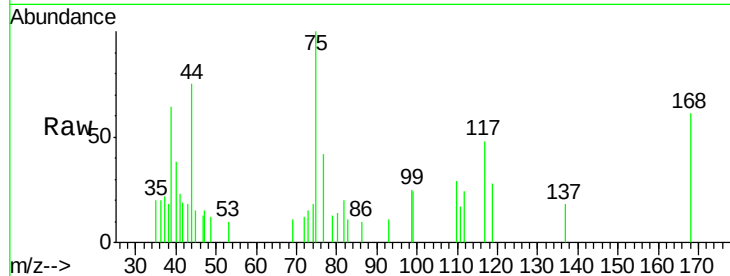




#36
 1,1-Dichloropropene
 Concen: 0.37 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX003146.D
 Acq: 03 Jul 2018 14:05

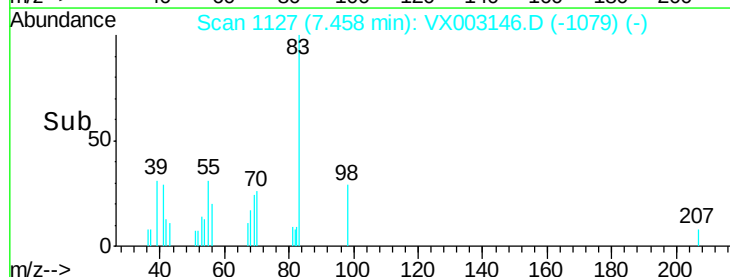
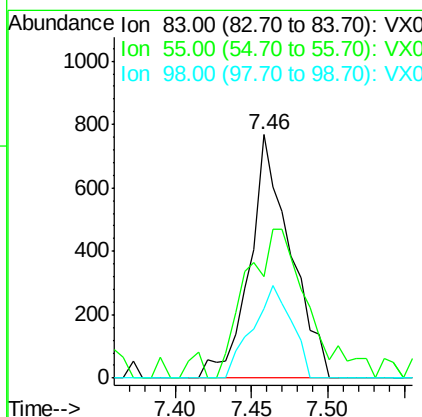
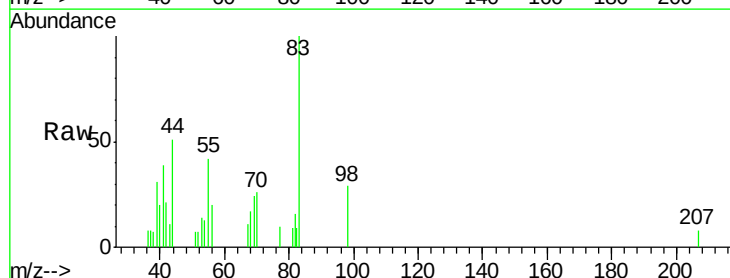
Instrument :
 MSVOA_X
 ClientSampleId :

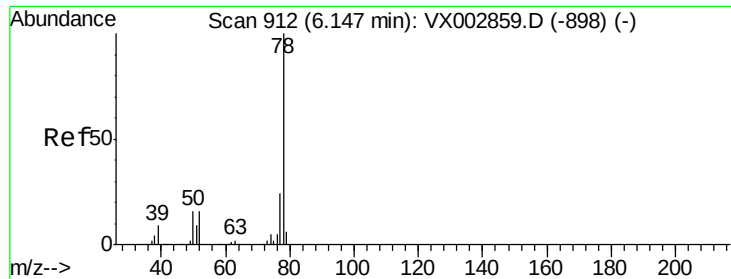
Tot Ion: 75 Resp: 1478
 Ion Ratio Lower Upper
 75 100
 110 42.4 18.1 54.4
 77 38.3 24.3 36.5#



#39
 Methylcyclohexane
 Concen: 0.31 ug/l
 RT: 7.46 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VX003146.D
 Acq: 03 Jul 2018 14:05

Tgt Ion: 83 Resp: 1420
 Ion Ratio Lower Upper
 83 100
 55 34.8 65.4 98.0#
 98 28.8 37.4 56.0#





#40

Benzene

Concen: 1.19 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Instrument :

MSVOA_X

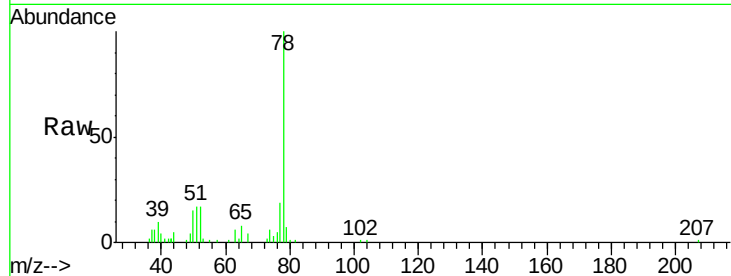
ClientSampleId :

Tot Ion: 78 Resp: 13680

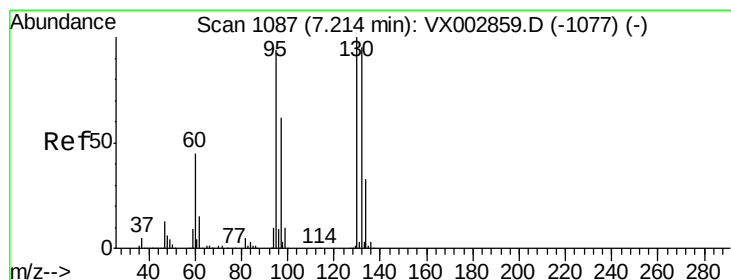
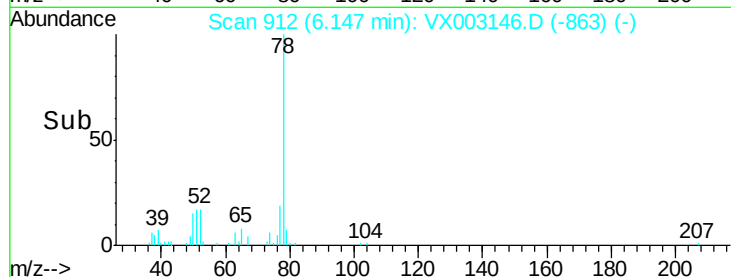
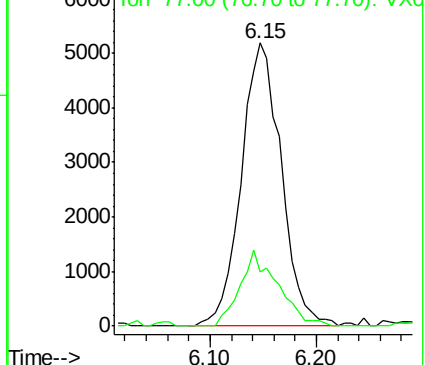
Ion Ratio Lower Upper

78 100

77 19.3 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX003146.D (-863) (-)



#44

Trichloroethene

Concen: 0.32 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX003146.D

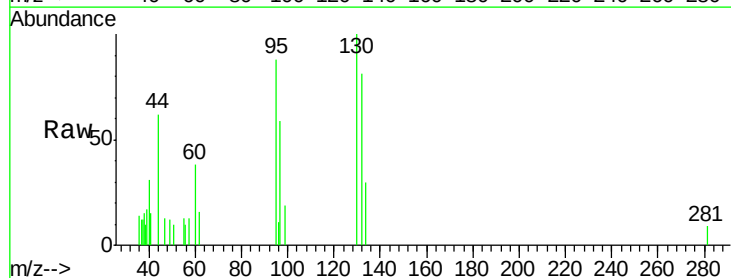
Acq: 03 Jul 2018 14:05

Tgt Ion: 130 Resp: 1091

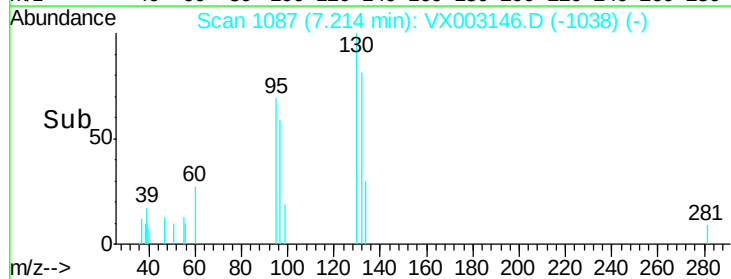
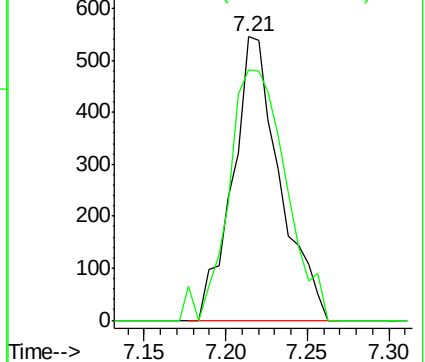
Ion Ratio Lower Upper

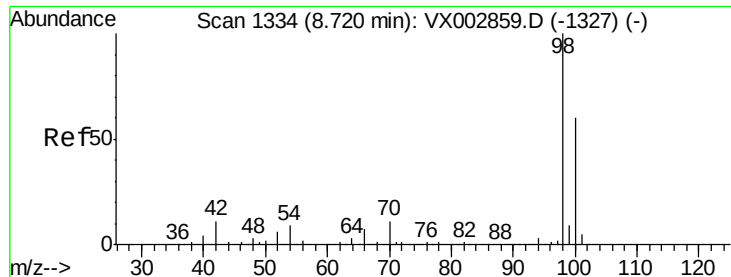
130 100

95 88.3 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VX003146.D (-1038) (-)

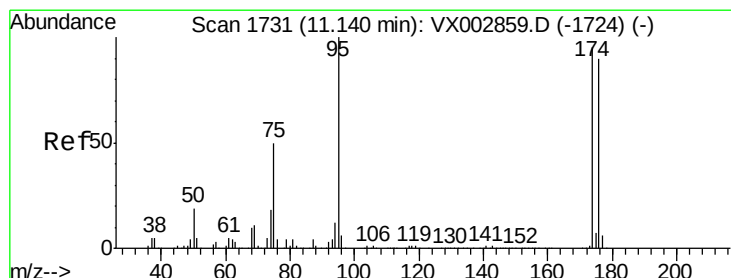
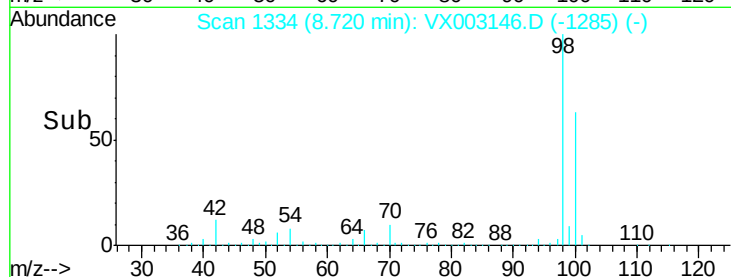
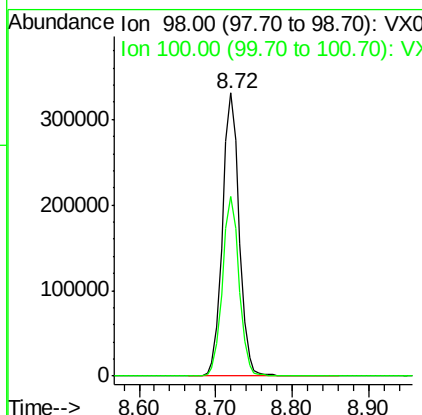
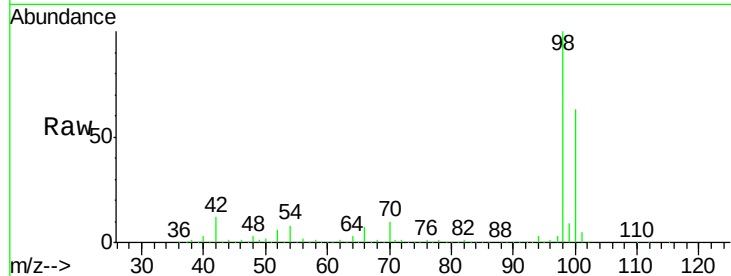




#50
Toluene-d8
Concen: 48.08 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

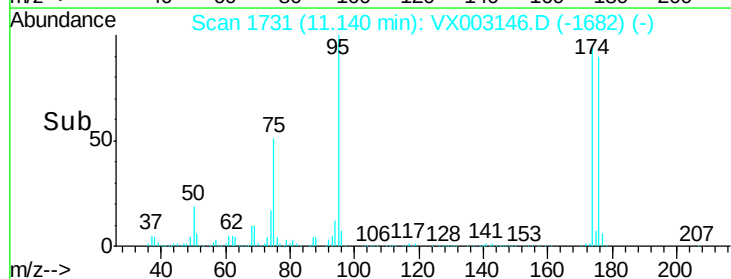
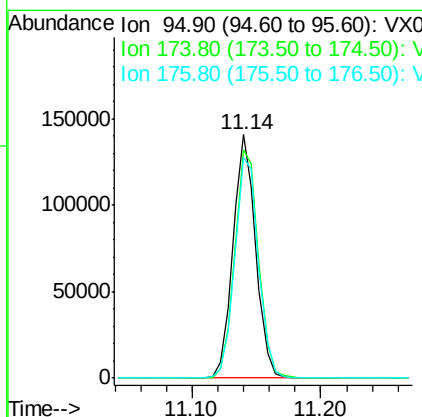
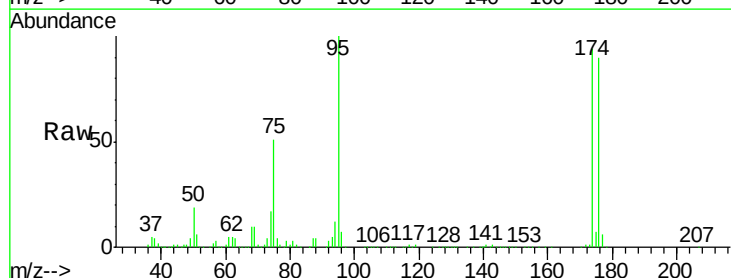
Instrument :
MSVOA_X
ClientSampleId :

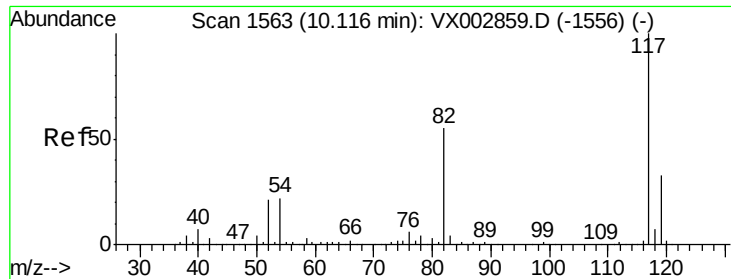
Tot Ion: 98 Resp: 501110
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 43.01 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

Tgt Ion: 95 Resp: 172851
Ion Ratio Lower Upper
95 100
174 98.1 0.0 187.4
176 94.7 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: VX003146.D

Acq: 03 Jul 2018 14:05

Instrument :

MSVOA_X

ClientSampleId :

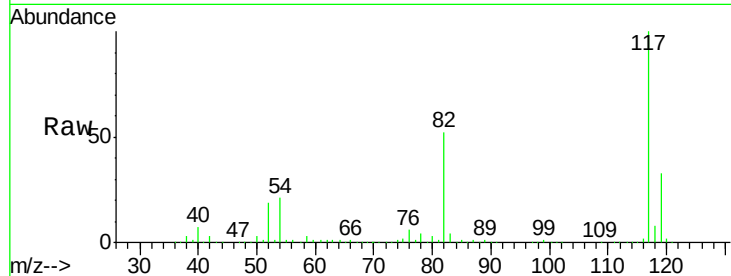
Tot Ion:117 Resp: 329620

Ion Ratio Lower Upper

117 100

82 52.4 45.0 67.4

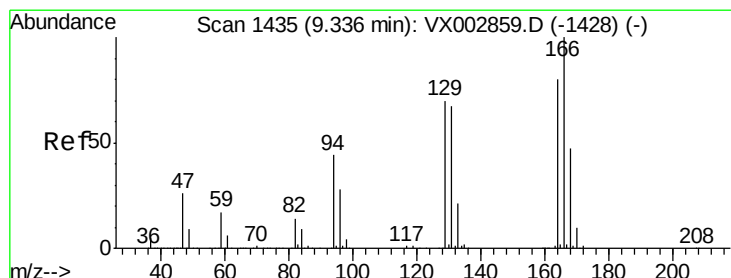
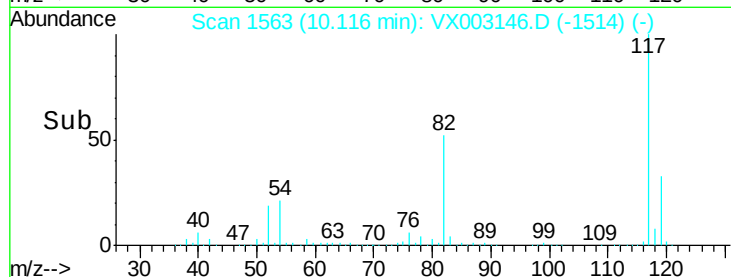
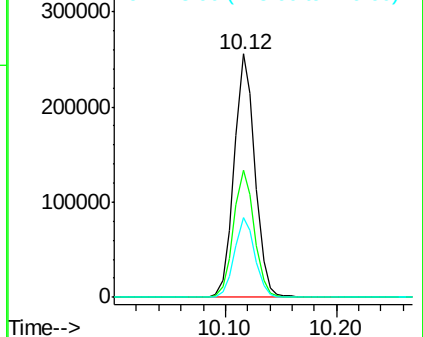
119 32.7 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 0.27 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Tgt Ion:164 Resp: 1000

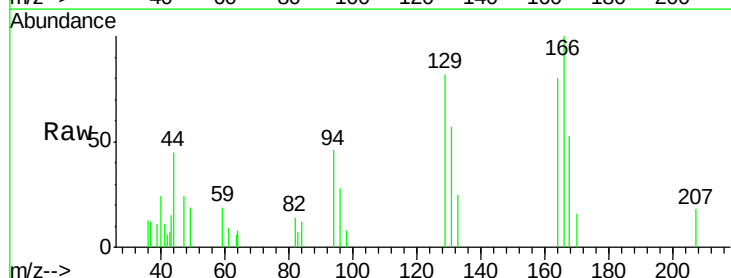
Ion Ratio Lower Upper

164 100

166 124.8 102.9 154.3

129 102.1 68.6 102.8

131 71.1 66.8 100.2

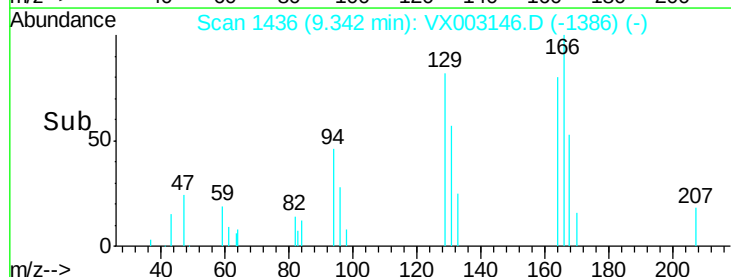
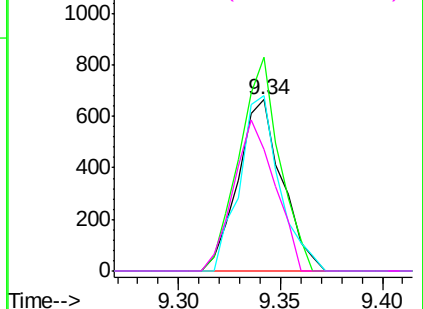


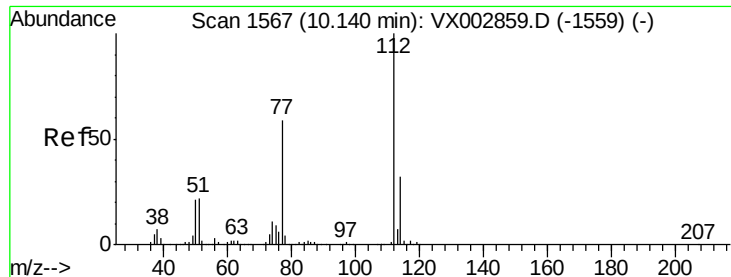
Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.23 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Instrument :

MSVOA_X

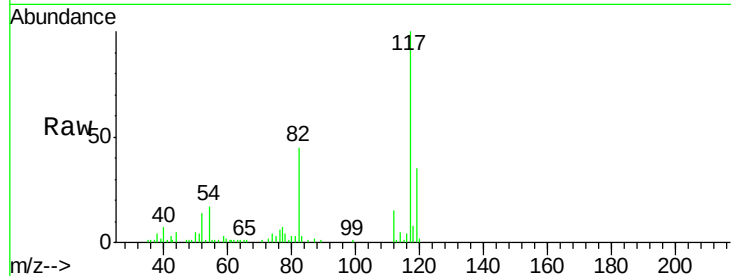
ClientSampleId :

Tot Ion:112 Resp: 1966

Ion Ratio Lower Upper

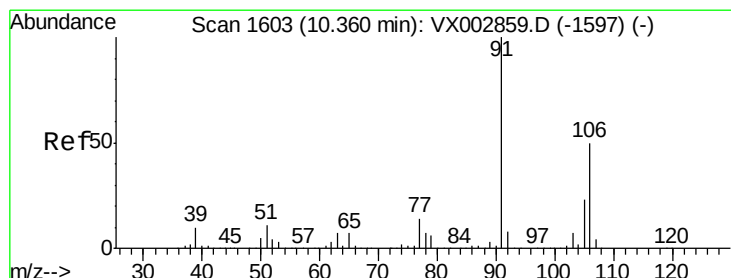
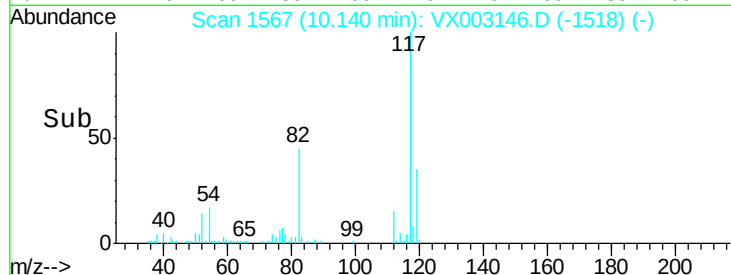
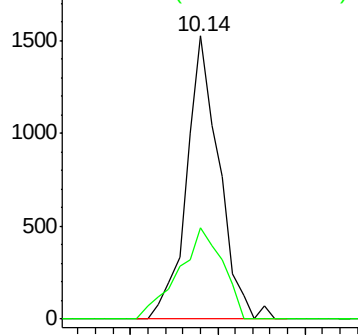
112 100

114 32.3 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#68

m/p-Xylenes

Concen: 0.39 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX003146.D

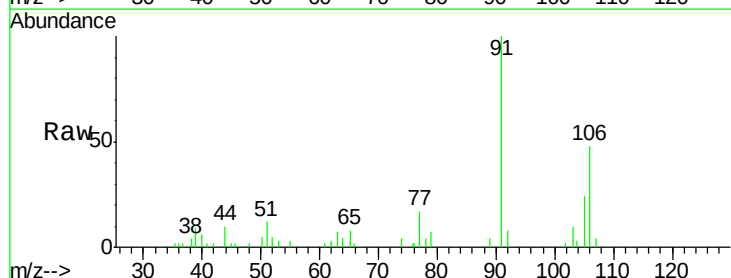
Acq: 03 Jul 2018 14:05

Tgt Ion:106 Resp: 2097

Ion Ratio Lower Upper

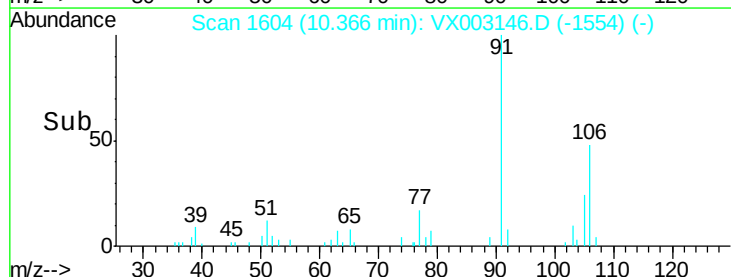
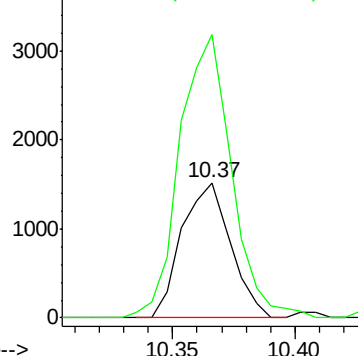
106 100

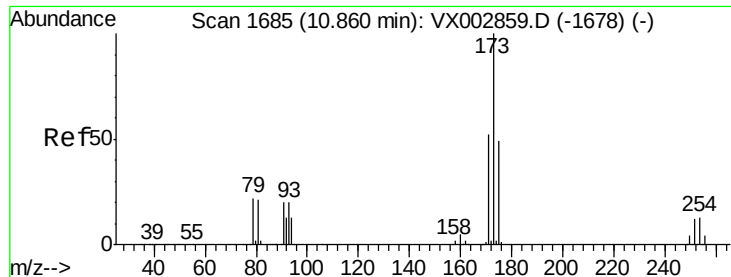
91 223.6 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

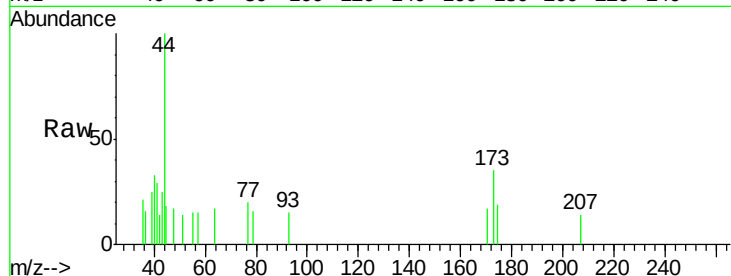




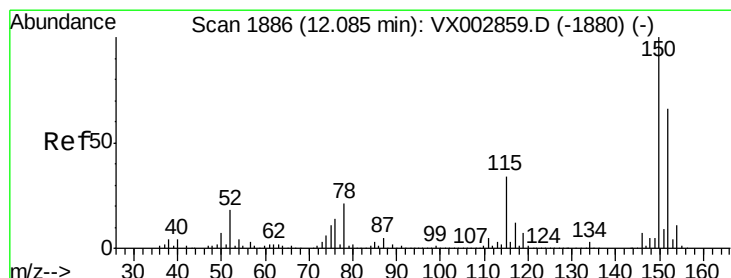
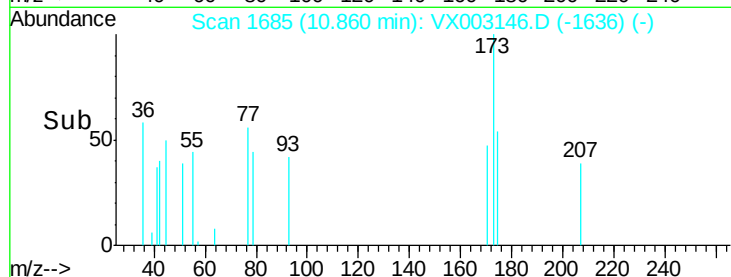
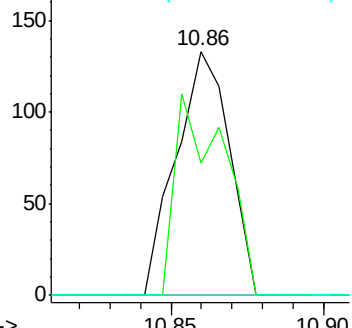
#71
Bromoform
Concen: 3.96 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:173 Resp: 161
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 0.0 0.2 0.2#

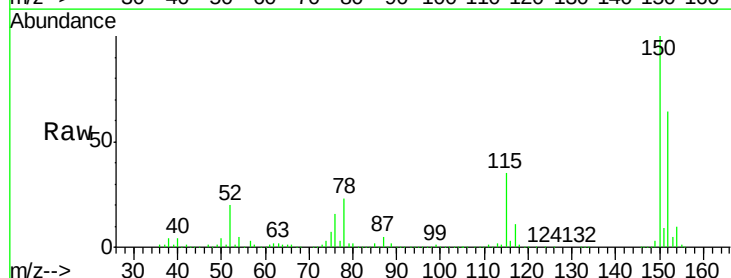


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

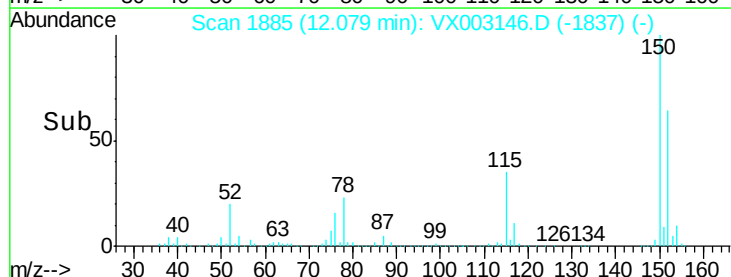
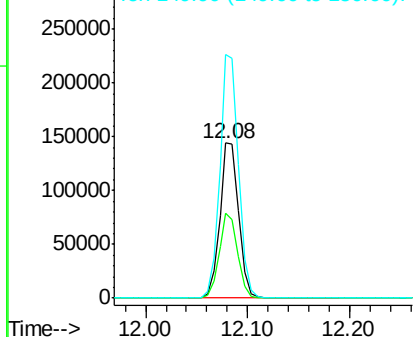


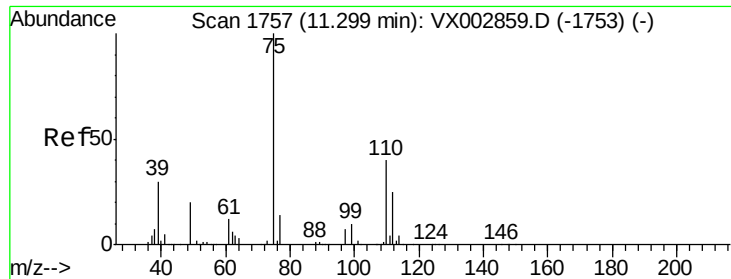
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

Tgt Ion:152 Resp: 185458
Ion Ratio Lower Upper
152 100
115 53.5 40.1 120.2
150 155.5 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

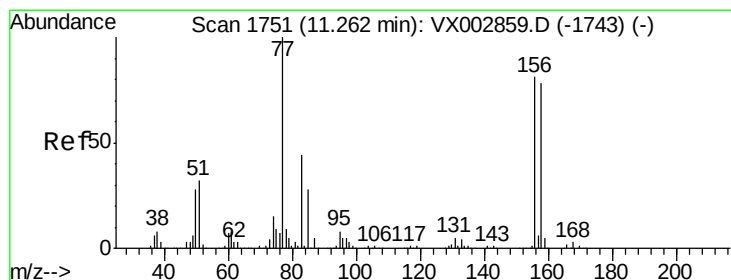
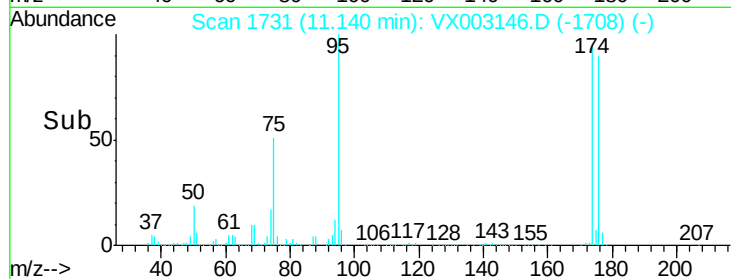
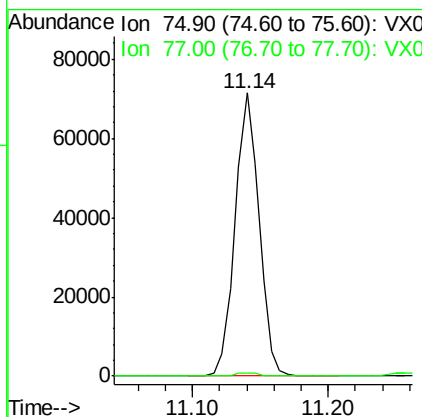
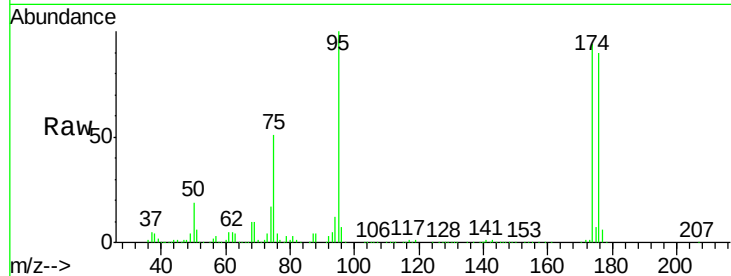




#76
 1,2,3-Trichloropropane
 Concen: 26.04 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003146.D
 Acq: 03 Jul 2018 14:05

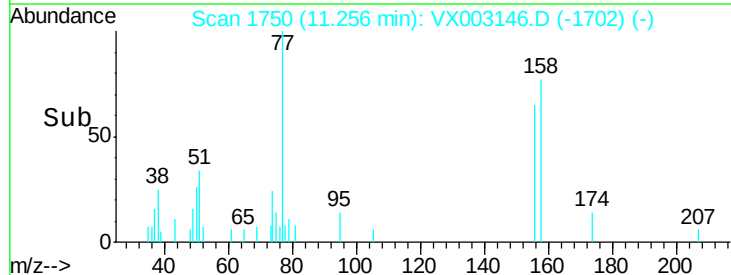
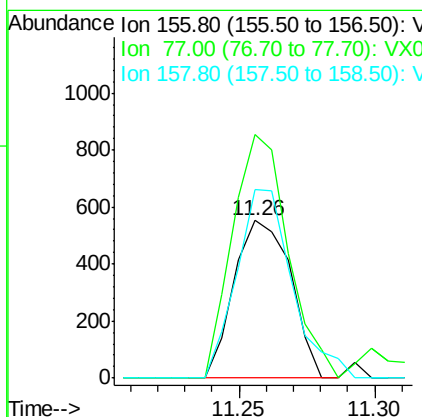
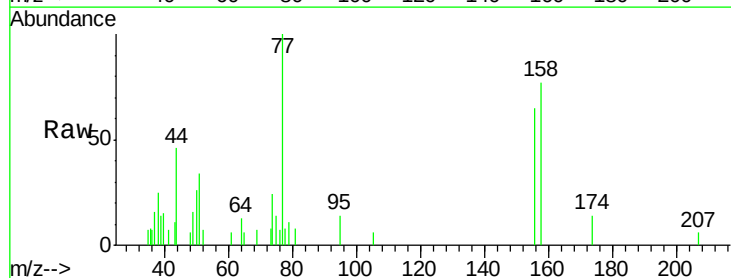
Instrument :
 MSVOA_X
 ClientSampled :

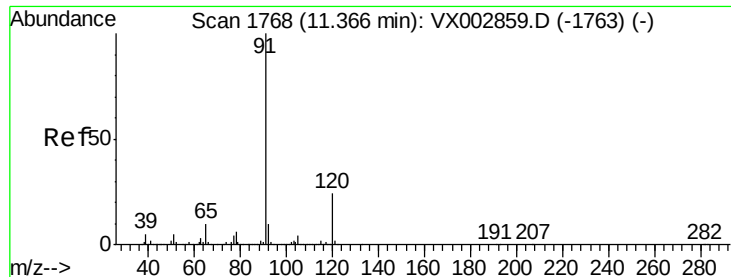
Tot Ion: 75 Resp: 87491
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#77
 Bromobenzene
 Concen: 0.22 ug/l
 RT: 11.26 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: VX003146.D
 Acq: 03 Jul 2018 14:05

Tgt Ion: 156 Resp: 798
 Ion Ratio Lower Upper
 156 100
 77 151.5 71.4 214.2
 158 117.5 48.9 146.6

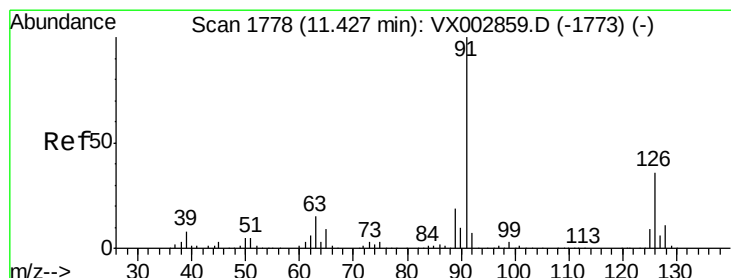
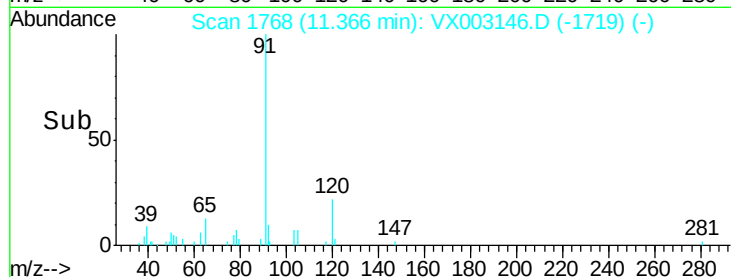
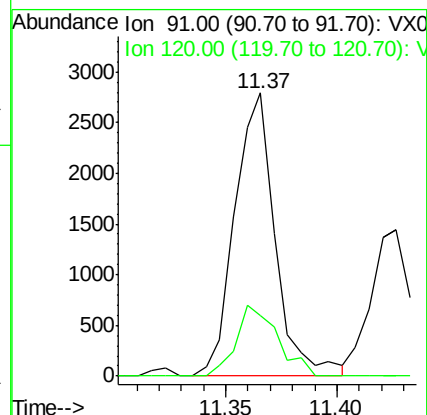
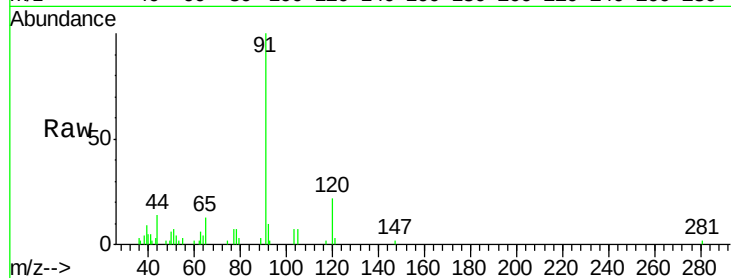




#78
n-propylbenzene
Concen: 0.25 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

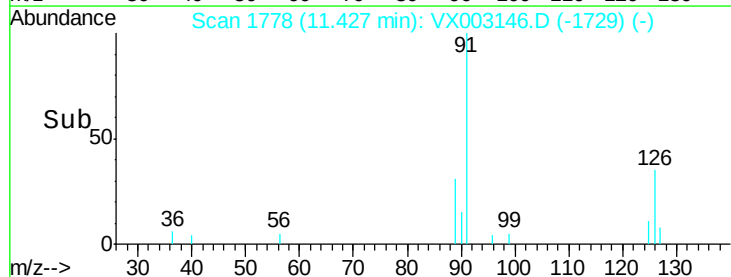
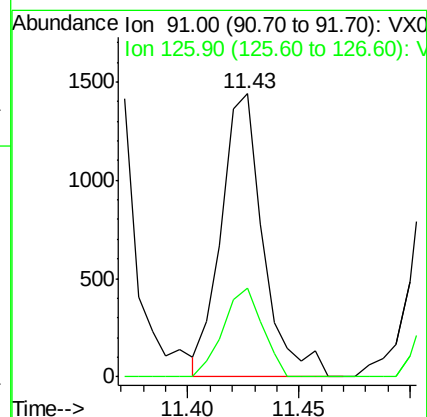
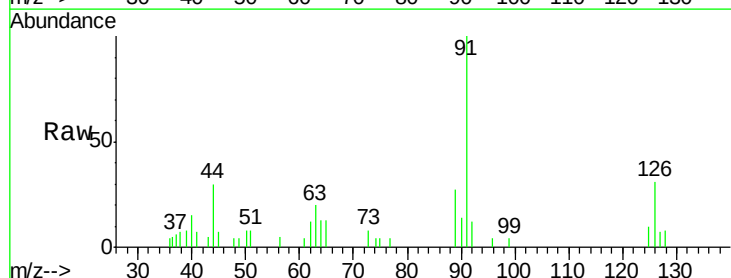
Instrument :
MSVOA_X
ClientSampled :

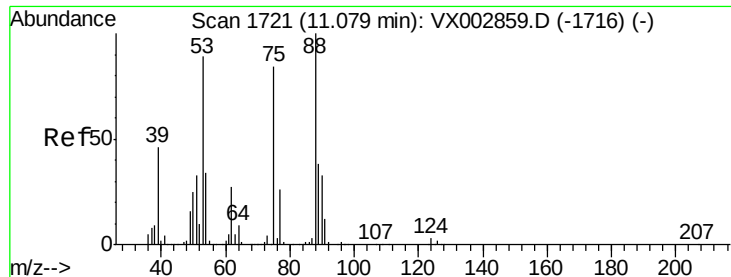
Tot Ion: 91 Resp: 3533
Ion Ratio Lower Upper
91 100
120 25.5 11.8 35.4



#79
2-Chlorotoluene
Concen: 0.22 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

Tgt Ion: 91 Resp: 1889
Ion Ratio Lower Upper
91 100
126 29.3 17.7 53.1

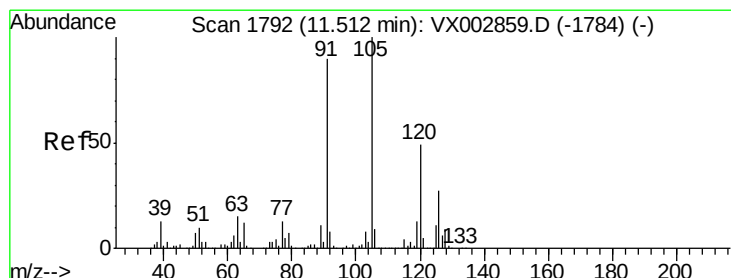
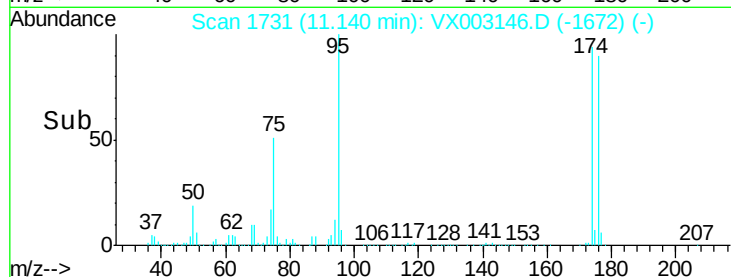
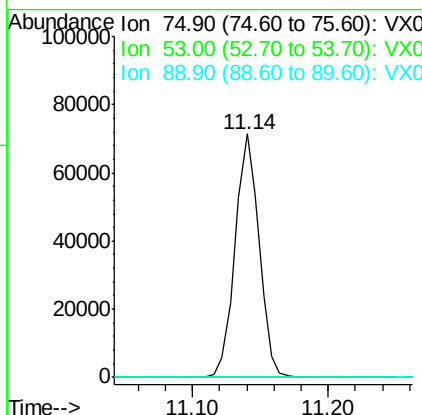
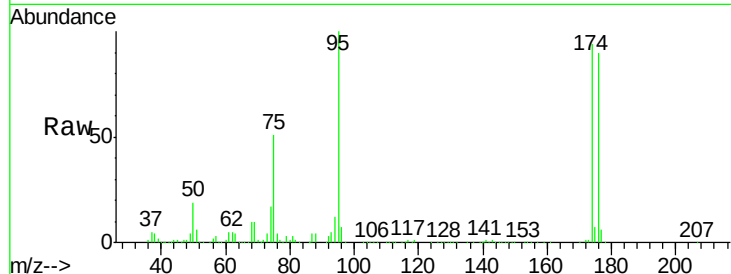




#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.85 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003146.D
 Acq: 03 Jul 2018 14:05

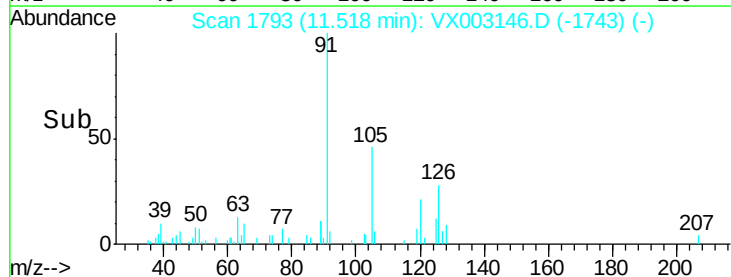
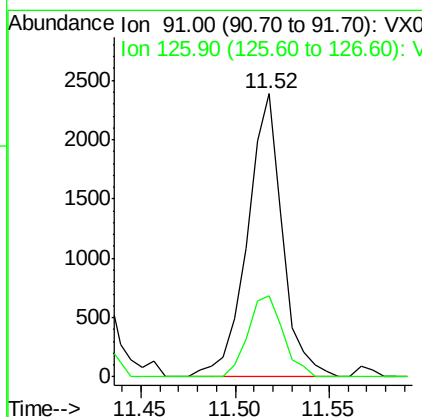
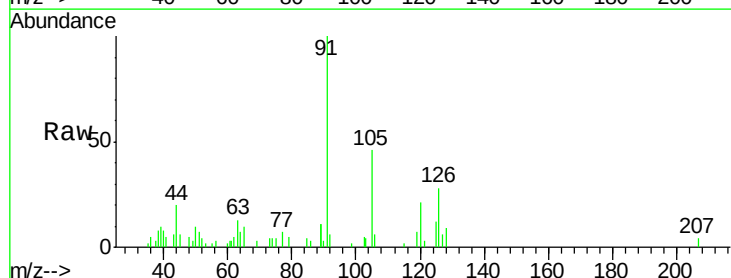
Instrument :
 MSVOA_X
 ClientSampled :

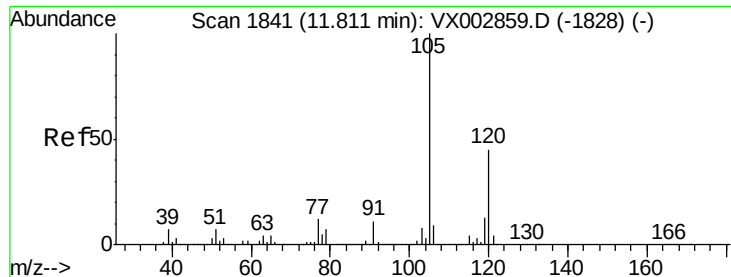
Tot Ion: 75 Resp: 87491
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#



#82
 4-Chlorotoluene
 Concen: 0.30 ug/l
 RT: 11.52 min Scan# 1793
 Delta R.T. 0.01 min
 Lab File: VX003146.D
 Acq: 03 Jul 2018 14:05

Tgt Ion: 91 Resp: 3085
 Ion Ratio Lower Upper
 91 100
 126 28.6 15.4 46.4

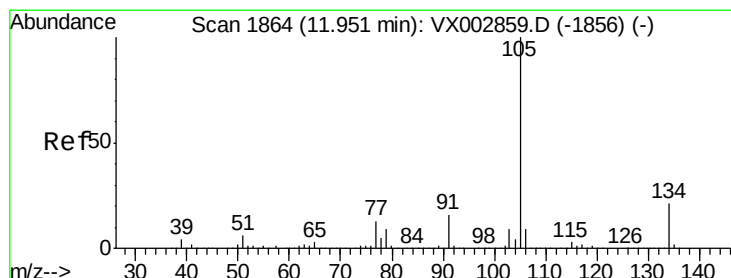
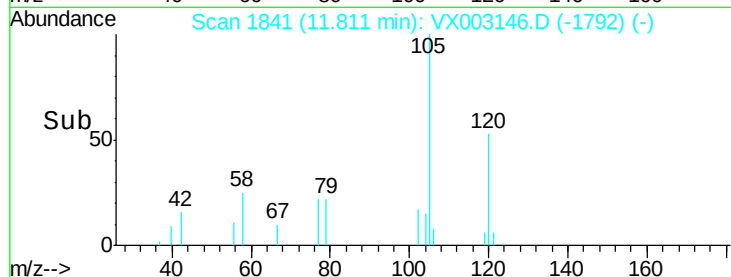
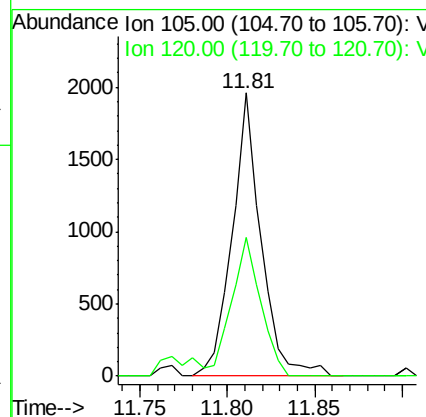
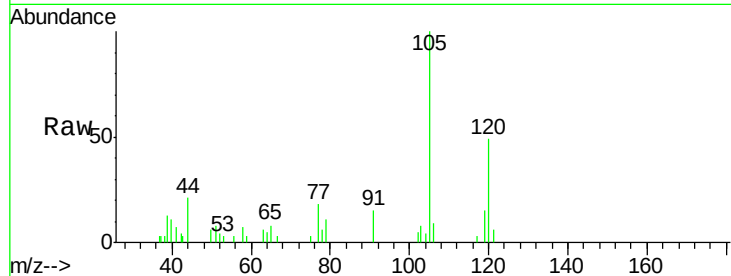




#84
1,2,4-Trimethylbenzene
Concen: 0.21 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

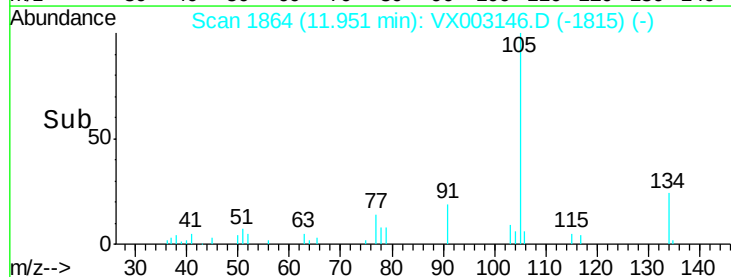
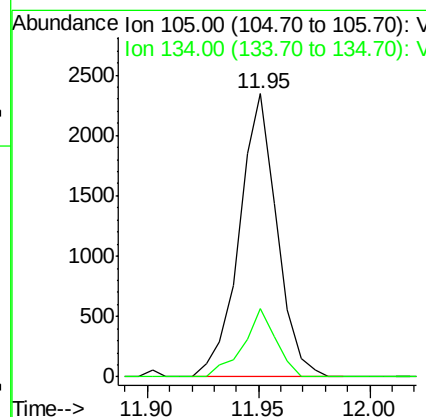
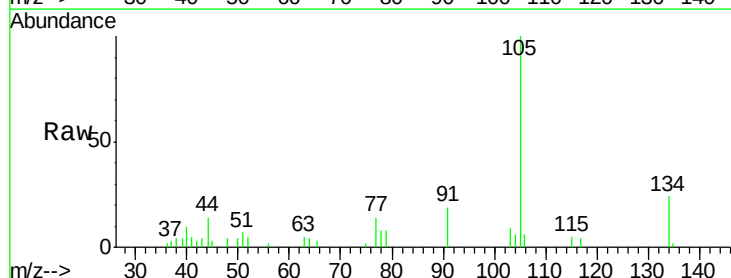
Instrument :
MSVOA_X
ClientSampleId :

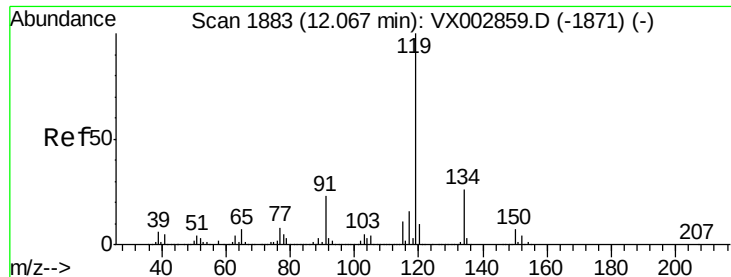
Tot Ion:105 Resp: 2263
Ion Ratio Lower Upper
105 100
120 49.2 22.3 66.8



#85
sec-Butylbenzene
Concen: 0.22 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

Tgt Ion:105 Resp: 2764
Ion Ratio Lower Upper
105 100
134 21.0 10.4 31.1

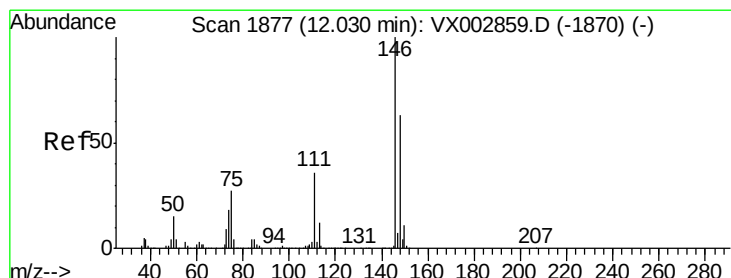
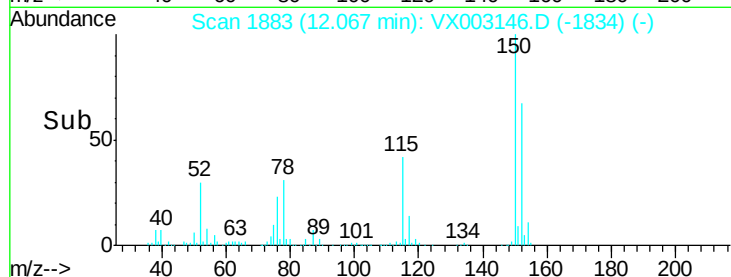
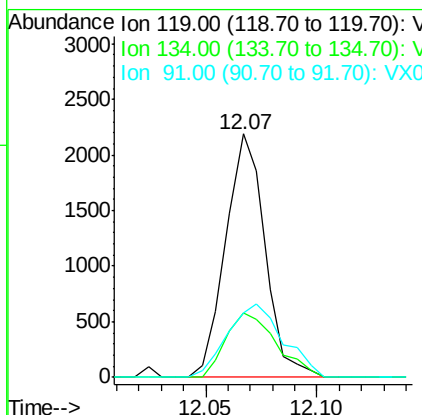
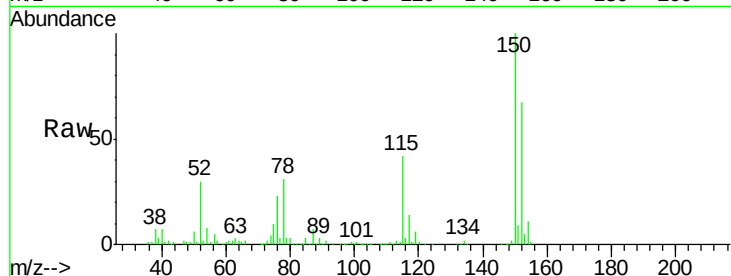




#86
 p-Isopropyltoluene
 Concen: 0.24 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003146.D
 Acq: 03 Jul 2018 14:05

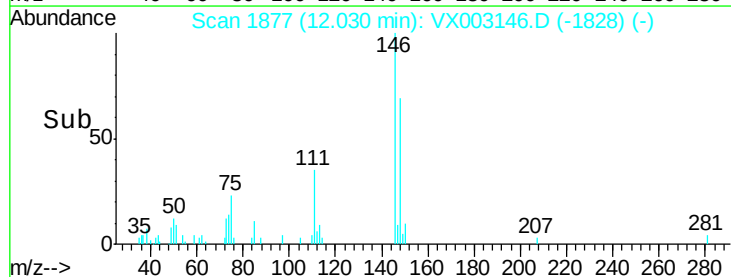
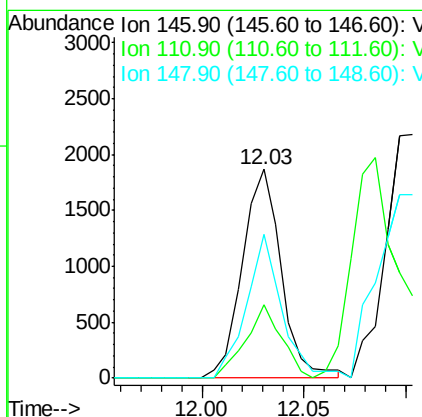
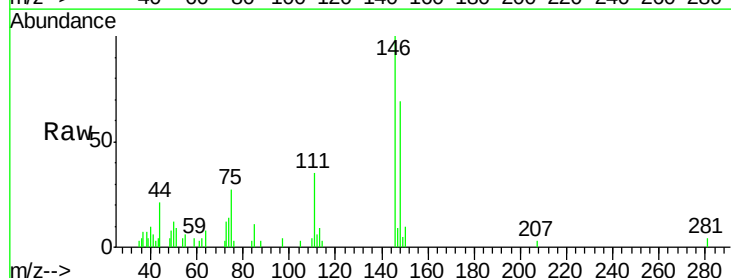
Instrument :
 MSVOA_X
 ClientSampleId :

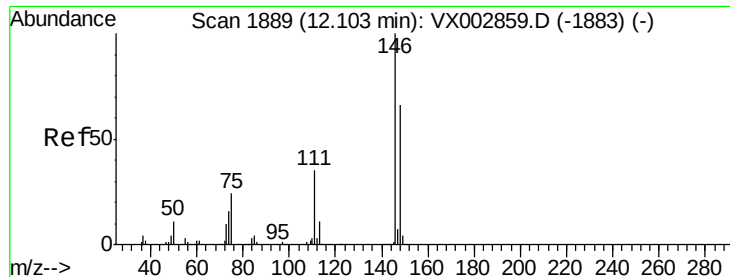
Tot Ion	Ratio	Lower	Upper
119	100		
134	33.8	13.4	40.1
91	42.4	11.9	35.7



#87
 1,3-Dichlorobenzene
 Concen: 0.38 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003146.D
 Acq: 03 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.6	18.9	56.7
148	62.1	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 0.37 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.07 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

Instrument :

MSVOA_X

ClientSampleId :

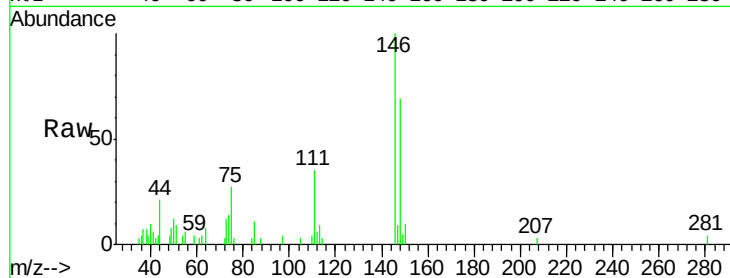
Tot Ion:146 Resp: 2482

Ion Ratio Lower Upper

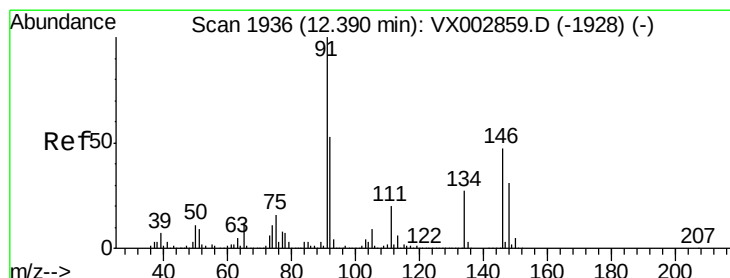
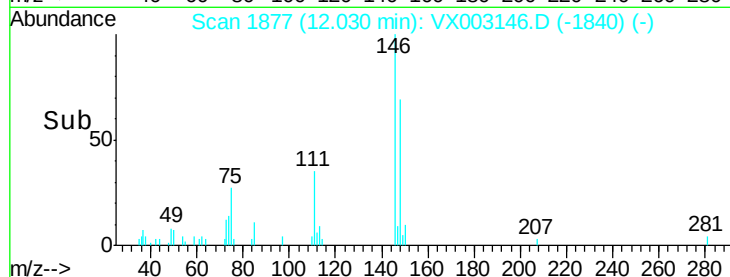
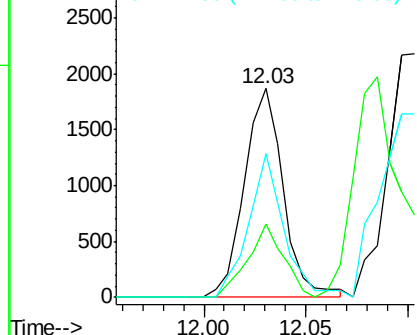
146 100

111 32.6 18.7 56.1

148 62.1 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: 0.33 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003146.D

Acq: 03 Jul 2018 14:05

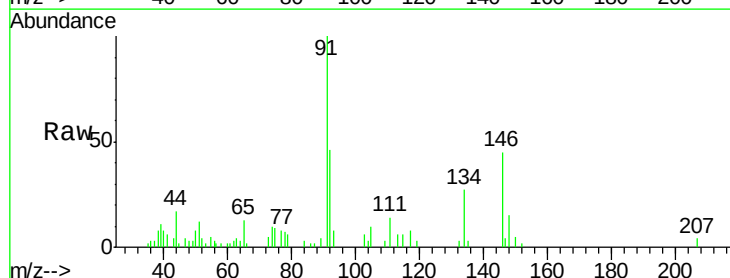
Tgt Ion: 91 Resp: 3293

Ion Ratio Lower Upper

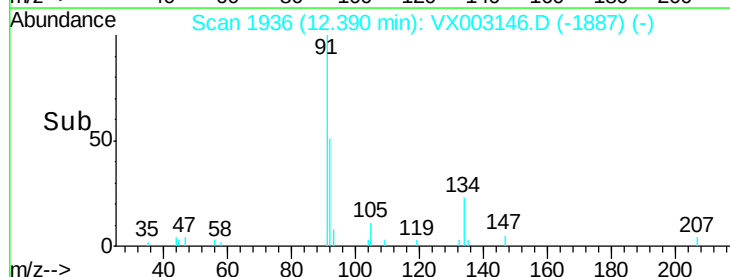
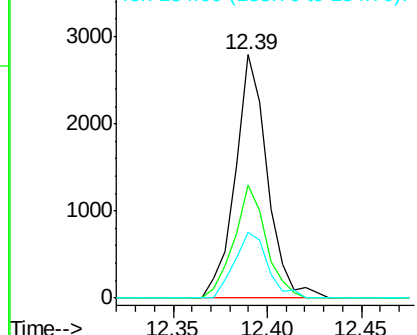
91 100

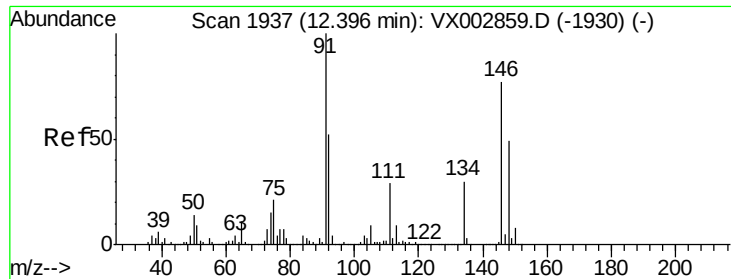
92 46.4 26.0 78.0

134 28.1 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

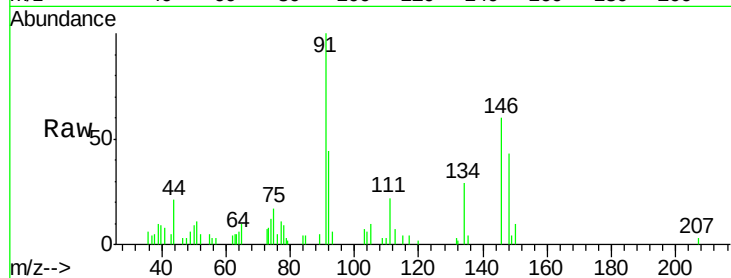




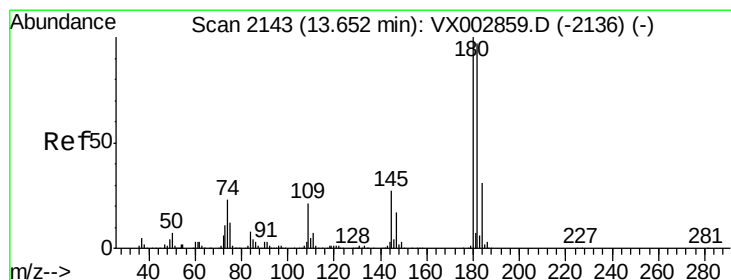
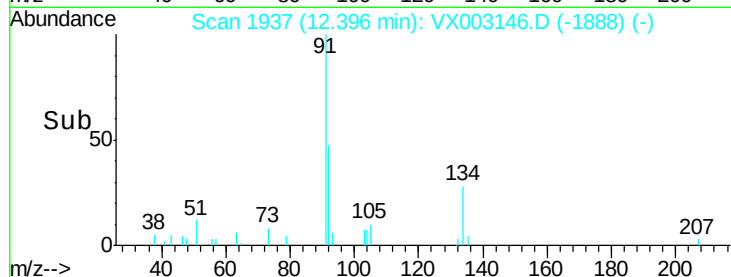
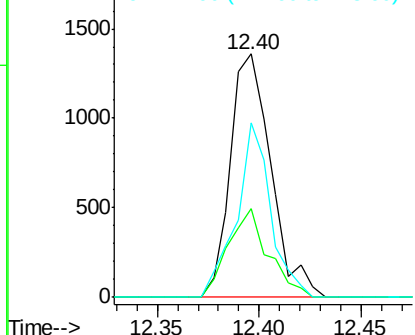
#91
 1,2-Dichlorobenzene
 Concen: 0.29 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003146.D
 Acq: 03 Jul 2018 14:05

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 1875
 Ion Ratio Lower Upper
 146 100
 111 36.2 19.4 58.1
 148 60.3 31.7 95.1

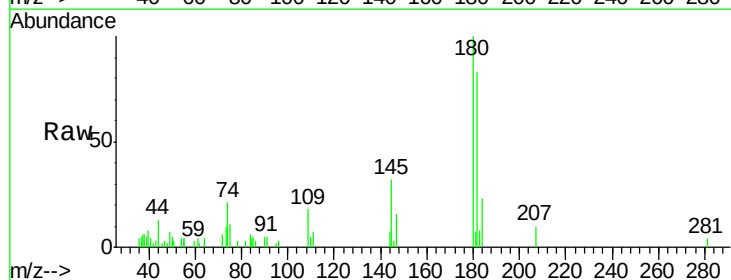


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

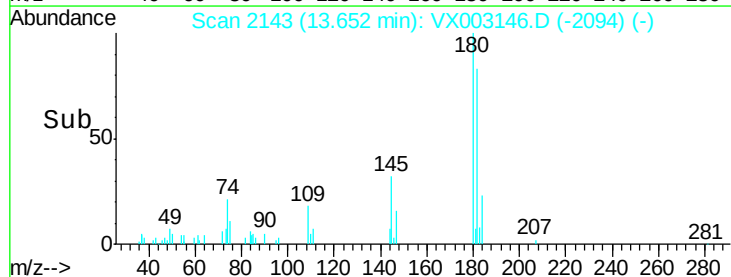
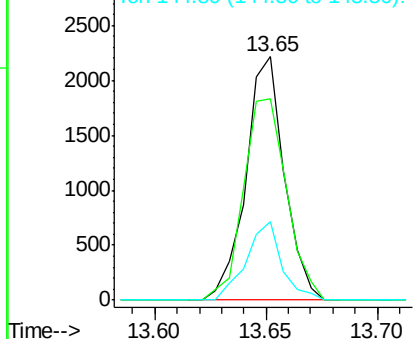


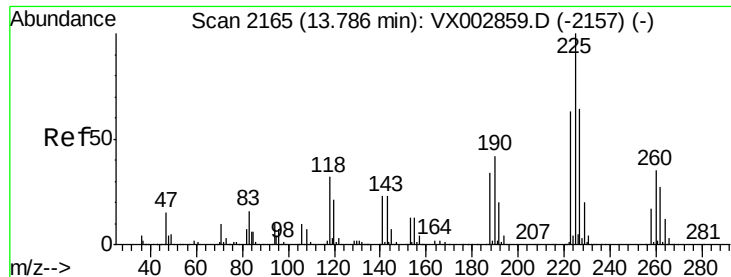
#93
 1,2,4-Trichlorobenzene
 Concen: 0.56 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003146.D
 Acq: 03 Jul 2018 14:05

Tgt Ion:180 Resp: 2673
 Ion Ratio Lower Upper
 180 100
 182 92.6 47.7 143.1
 145 29.8 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

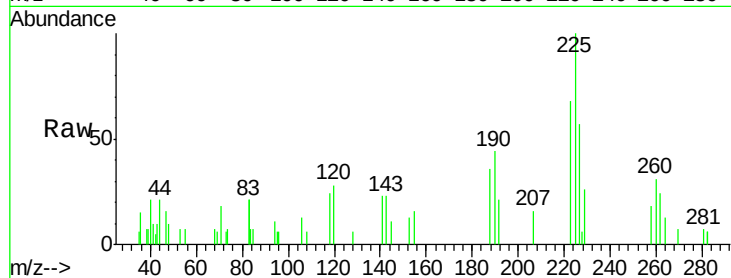




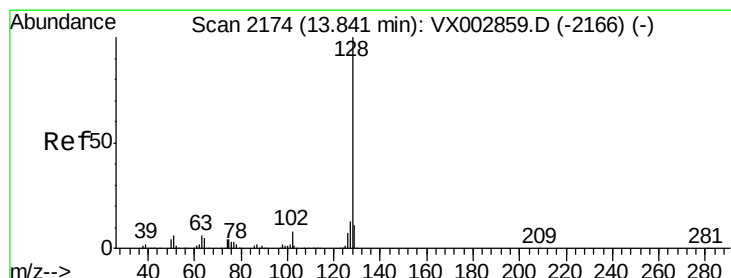
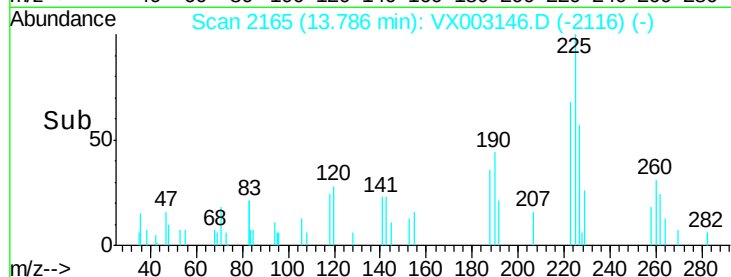
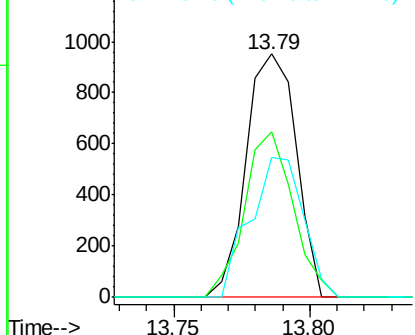
#94
Hexachlorobutadiene
Concen: 0.51 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
225	100		
223	66.4	31.6	95.0
227	61.8	32.4	97.2

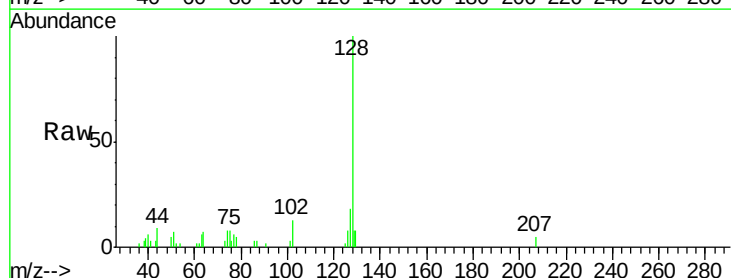


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

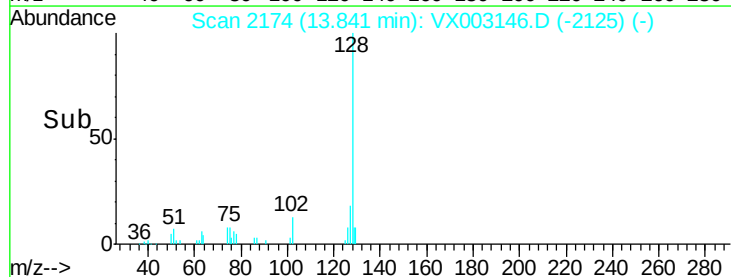
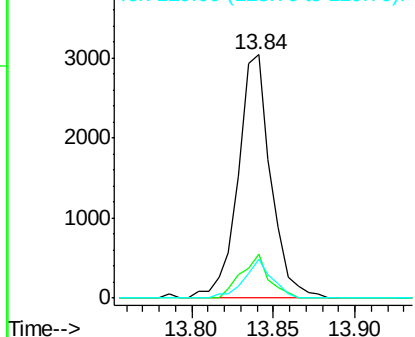


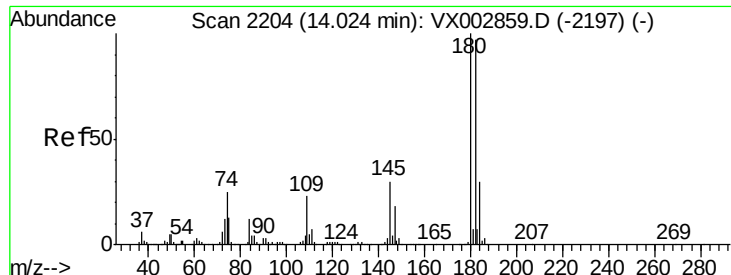
#95
Naphthalene
Concen: 0.34 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX003146.D
Acq: 03 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.3	10.4	15.6
129	13.5	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

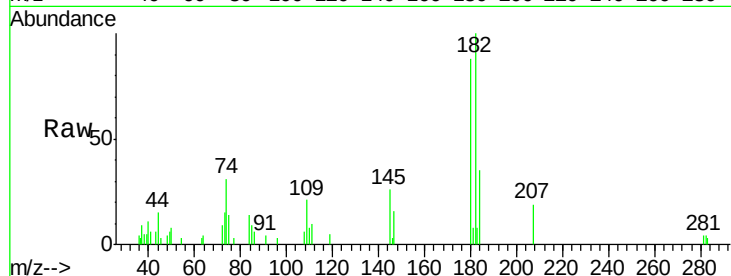




#96
 1,2,3-Trichlorobenzene
 Concen: 0.43 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX003146.D
 Acq: 03 Jul 2018 14:05

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.7	48.0	144.0
145	34.8	14.8	44.3



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

