

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX052618\
 Data File : VX002027.D
 Acq On : 26 May 2018 18:59
 Operator : JC/MD
 Sample : J3118-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 28 00:34:47 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	297782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	414666	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	360562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	197060	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	253894	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
35) Dibromofluoromethane	5.51	113	197851	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
50) Toluene-d8	8.72	98	743473	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
62) 4-Bromofluorobenzene	11.14	95	259951	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

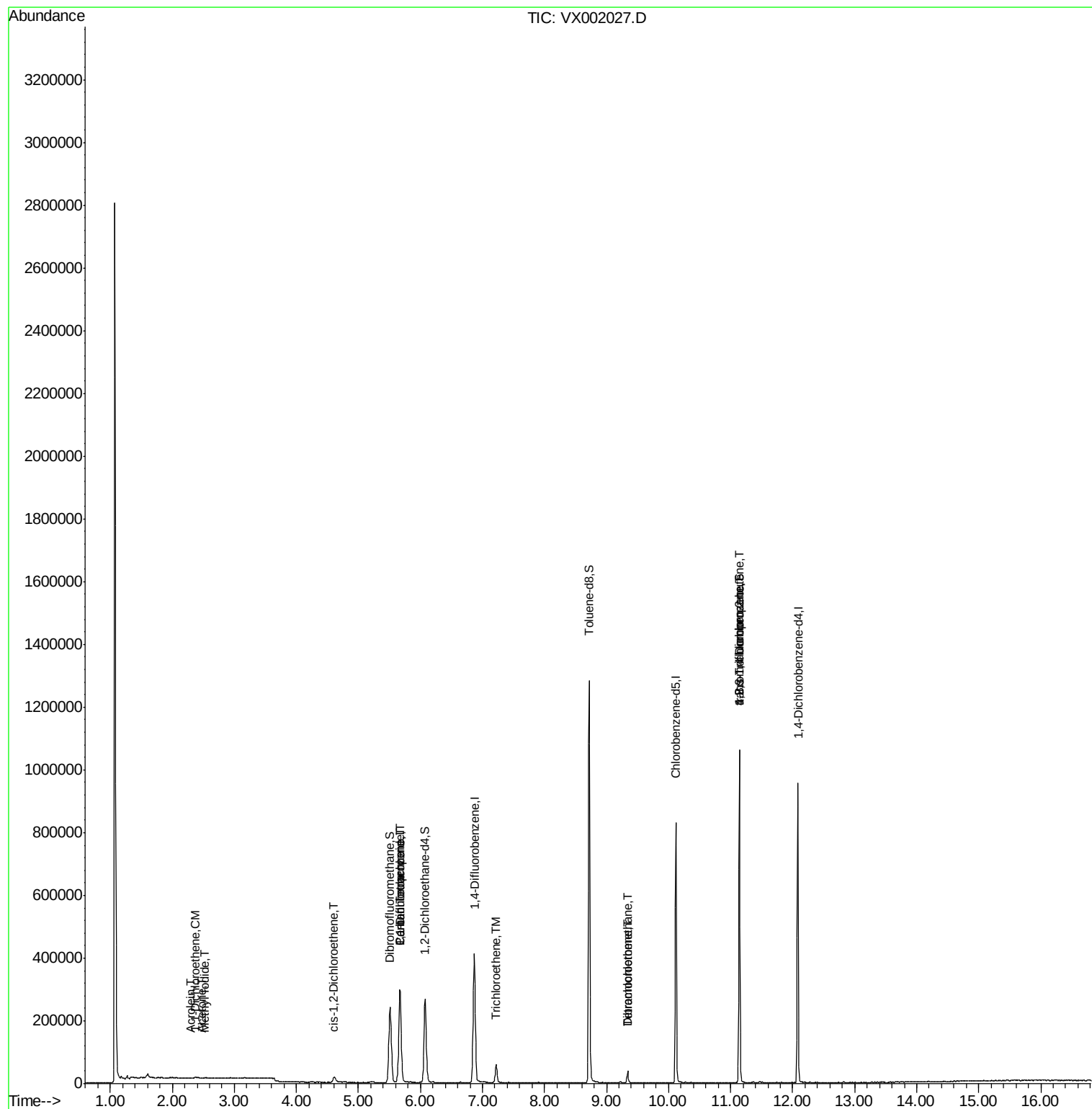
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	114	Below Cal	#	41
5) Bromomethane	1.65	94	1027	Below Cal		99
10) Methyl Iodide	2.53	142	1341	0.27	ug/l	92
12) 1,1-Dichloroethene	2.38	96	1166	0.34	ug/l	88
13) Acrolein	2.29	56	199	0.44	ug/l	1
16) Acetone	2.46	43	656	0.32	ug/l	71
18) Methyl Acetate	2.79	43	280	Below Cal	#	55
20) Methylene Chloride	2.87	84	167	Below Cal	#	47
21) trans-1,2-Dichloroethene	3.17	96	219	Below Cal	#	34
27) cis-1,2-Dichloroethene	4.61	96	7808	1.73	ug/l	10
28) Bromochloromethane	4.96	49	20	Below Cal	#	14
36) 1,1-Dichloropropene	5.67	75	21050	3.65	ug/l	53
38) Carbon Tetrachloride	5.67	117	27563	4.10	ug/l	15
41) Methacrylonitrile	5.07	41	186	Below Cal	#	57
44) Trichloroethene	7.22	130	21763	4.42	ug/l	100
60) Dibromochloromethane	9.34	129	6536	1.23	ug/l	11
64) Tetrachloroethene	9.34	164	6932	1.34	ug/l	94
74) N-amyl acetate	6.47	43	118	Below Cal	#	59
75) 1,1,1,2,2-Tetrachloroethane	11.27	83	22	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.14	75	137467	29.04	ug/l	33
79) 2-Chlorotoluene	11.42	91	227	Below Cal	#	40
81) trans-1,4-Dichloro-2-buten	11.14	75	137467	69.80	ug/l	10

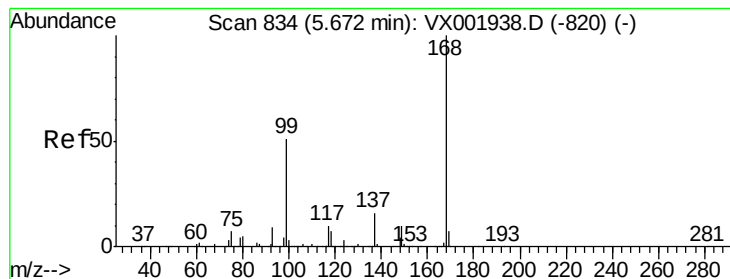
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 24 13:09:03 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002027.D

Acq: 26 May 2018 18:59

Instrument :

MSVOA_X

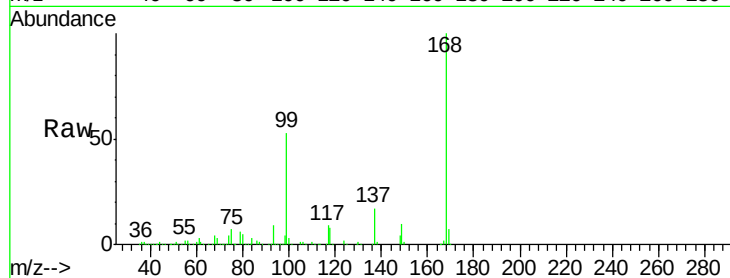
ClientSampleId :

Tot Ion:168 Resp: 297782

Ion Ratio Lower Upper

168 100

99 53.4 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

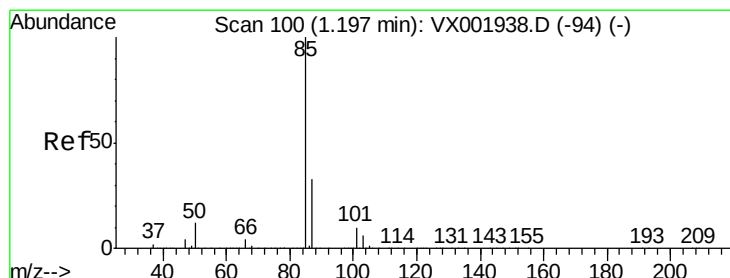
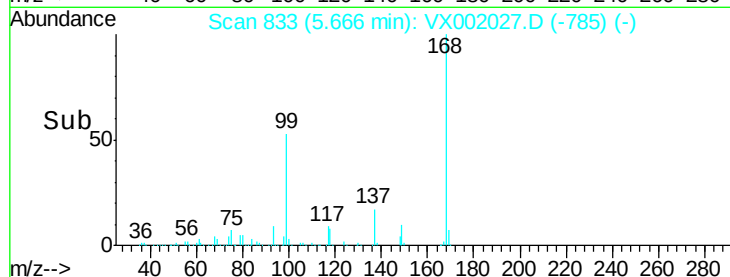
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX002027.D

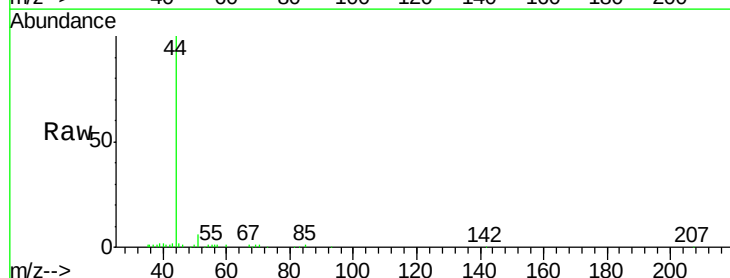
Acq: 26 May 2018 18:59

Tgt Ion: 85 Resp: 114

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

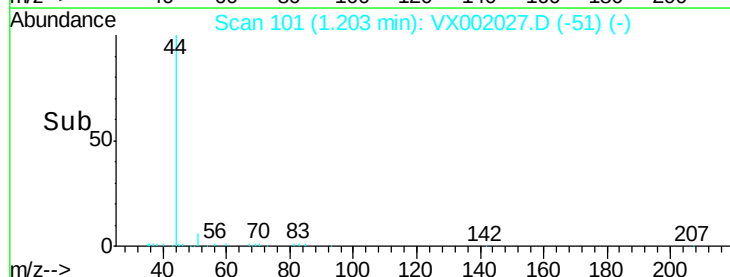
150

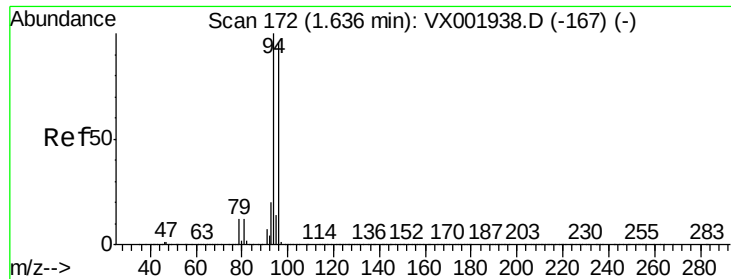
100

50

0

Time--> 1.18 1.20 1.22





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002027.D

Acq: 26 May 2018 18:59

Instrument :

MSVOA_X

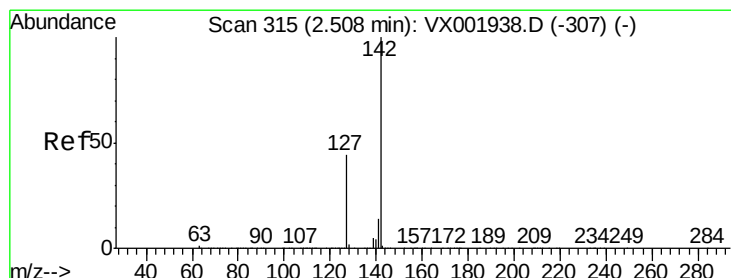
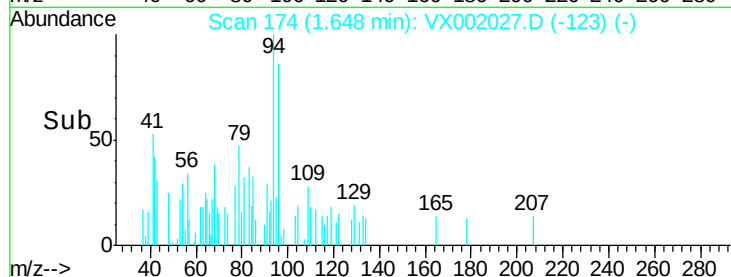
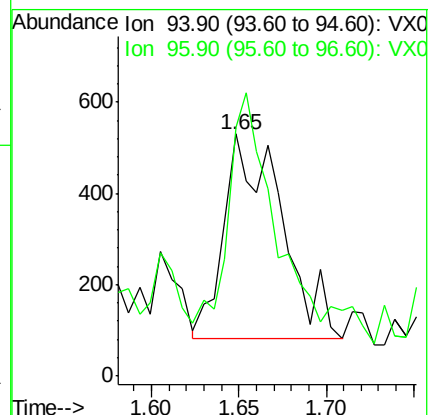
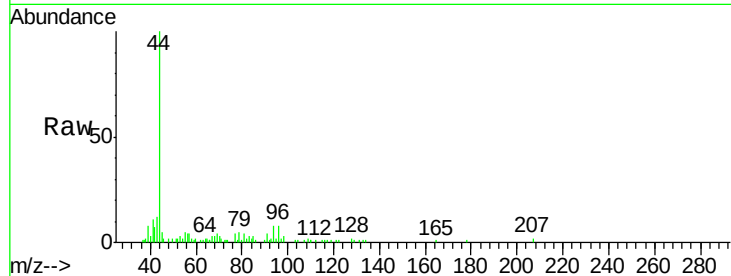
ClientSampleId :

Tot Ion: 94 Resp: 1027

Ion Ratio Lower Upper

94 100

96 96.0 75.9 113.9



#10

Methyl Iodide

Concen: 0.27 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.02 min

Lab File: VX002027.D

Acq: 26 May 2018 18:59

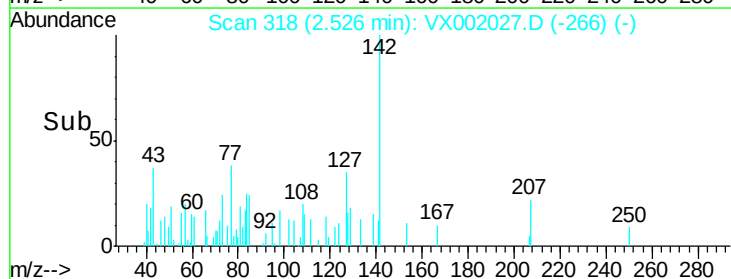
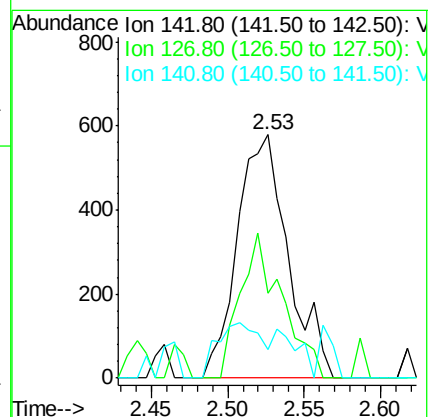
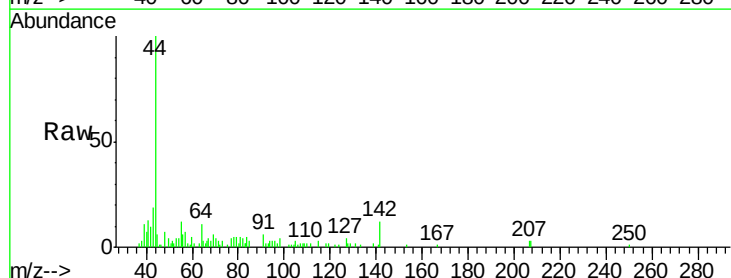
Tgt Ion: 142 Resp: 1341

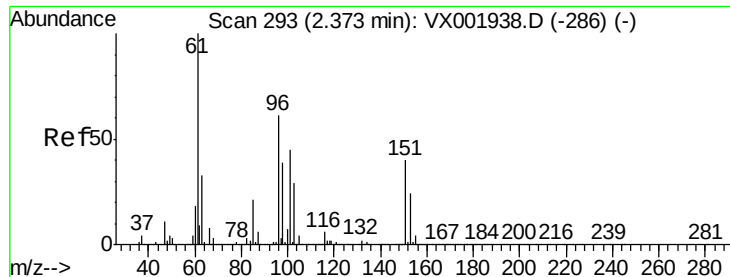
Ion Ratio Lower Upper

142 100

127 48.6 35.5 53.3

141 19.8 11.3 16.9#





#12

1,1-Dichloroethene

Concen: 0.34 ug/l

RT: 2.38 min Scan# 294

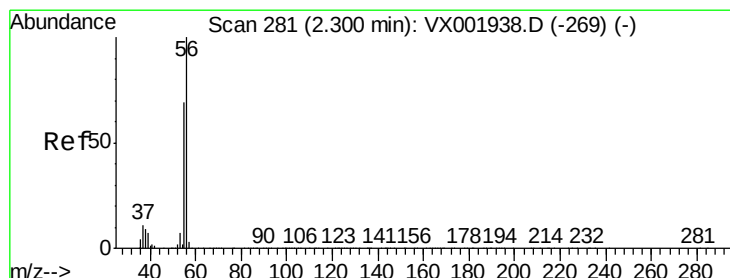
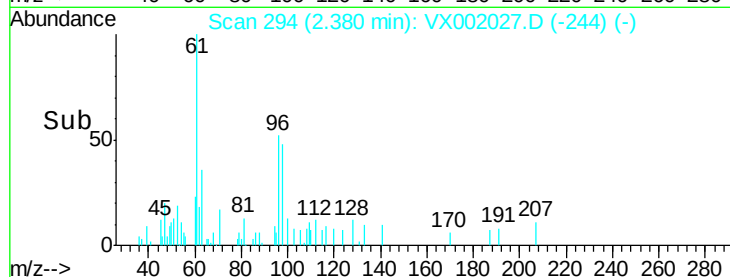
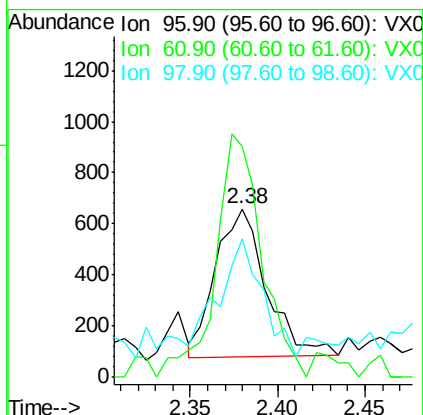
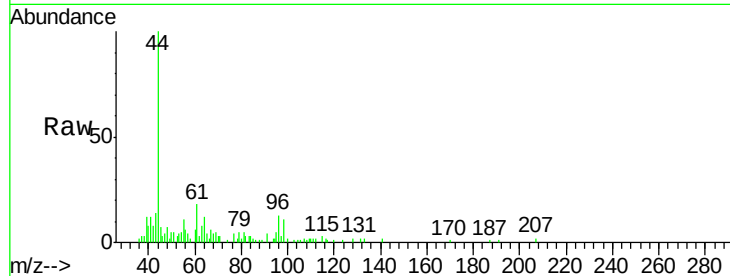
Delta R.T. 0.01 min

Lab File: VX002027.D

Acq: 26 May 2018 18:59

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	96	Resp:	1166
Ion	Ratio	Lower	Upper
96	100		
61	147.8	131.7	197.5
98	72.9	51.6	77.4



#13

Acrolein

Concen: 0.44 ug/l

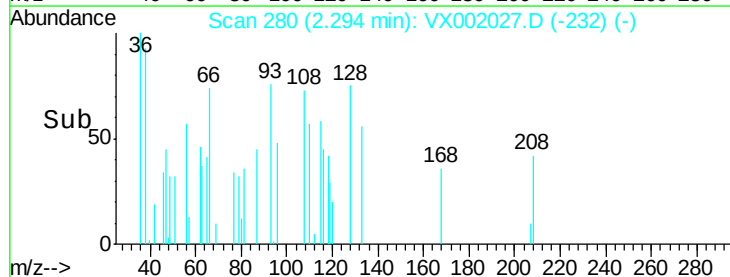
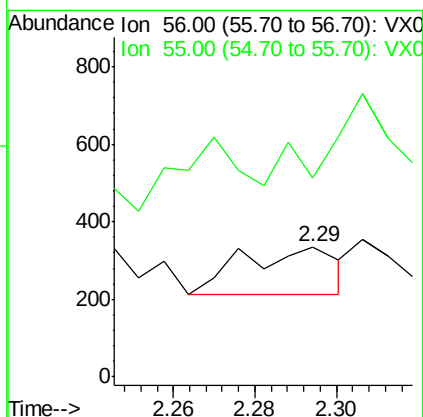
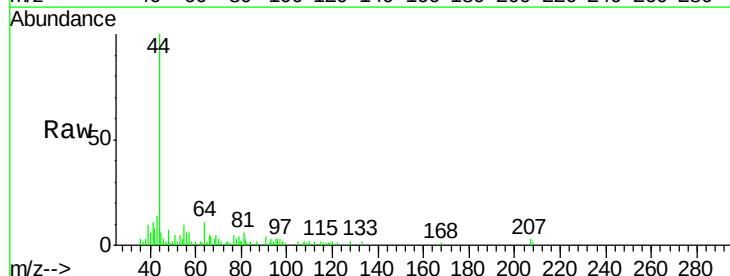
RT: 2.29 min Scan# 280

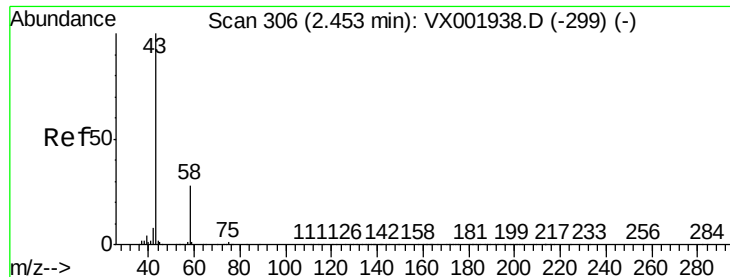
Delta R.T. -0.01 min

Lab File: VX002027.D

Acq: 26 May 2018 18:59

Tgt Ion:	56	Resp:	199
Ion	Ratio	Lower	Upper
56	100		
55	244.7	56.8	85.2#





#16

Acetone

Concen: 0.32 ug/l

RT: 2.46 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX002027.D

Acq: 26 May 2018 18:59

Instrument :

MSVOA_X

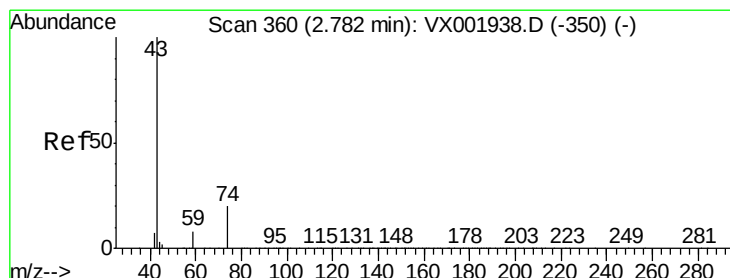
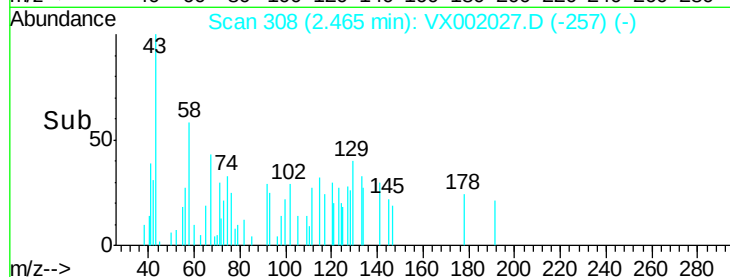
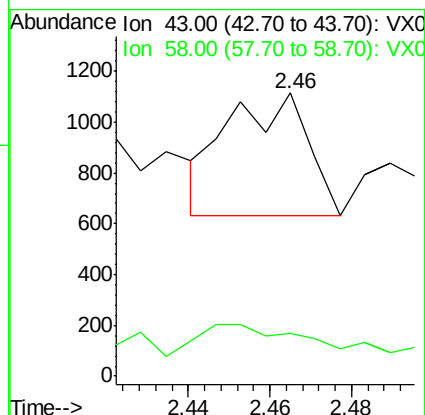
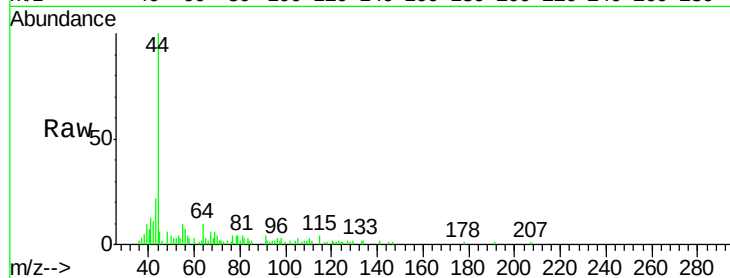
ClientSampleId :

Tot Ion: 43 Resp: 656

Ion Ratio Lower Upper

43 100

58 12.9 22.3 33.5#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.79 min Scan# 362

Delta R.T. 0.01 min

Lab File: VX002027.D

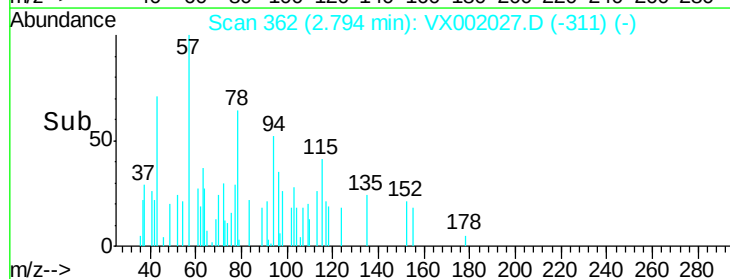
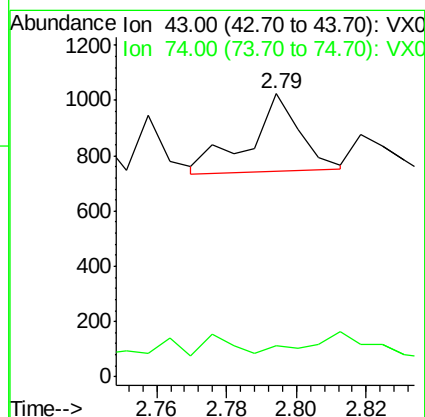
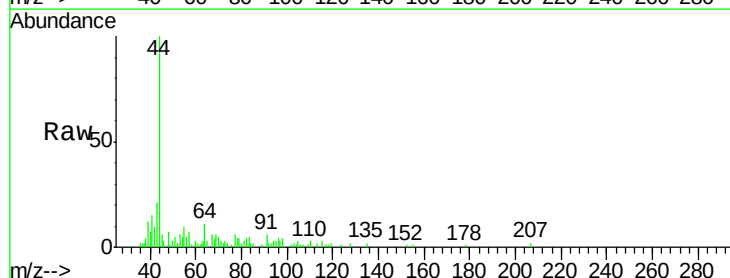
Acq: 26 May 2018 18:59

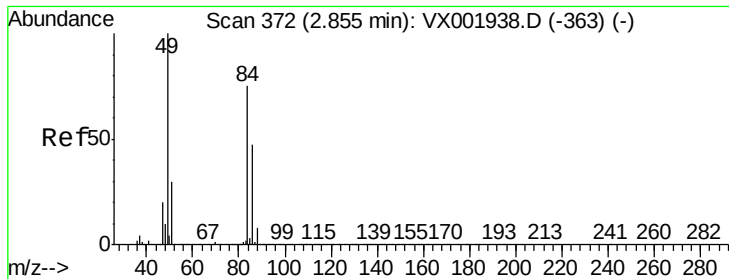
Tgt Ion: 43 Resp: 280

Ion Ratio Lower Upper

43 100

74 0.0 16.8 25.2#



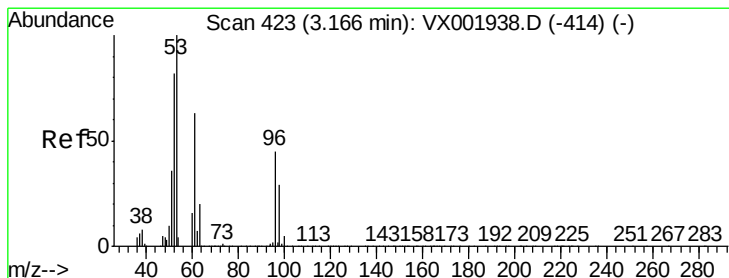
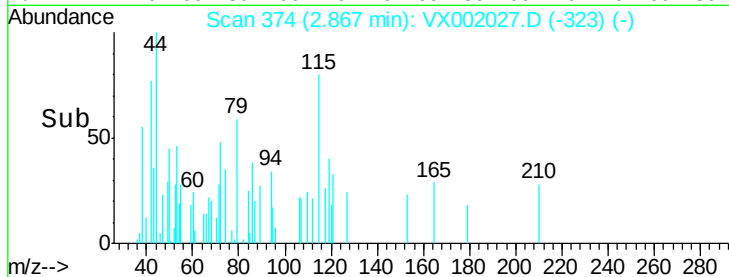
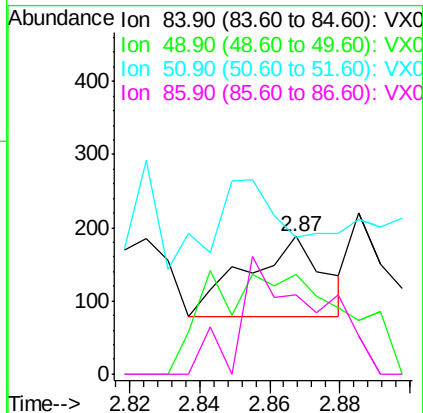
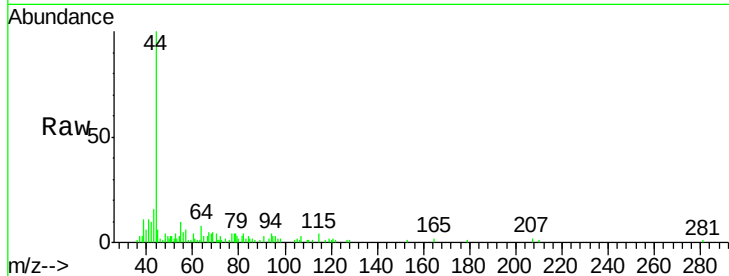


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.87 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: VX002027.D
 Acq: 26 May 2018 18:59

Instrument :
 MSVOA_X
 ClientSampled :

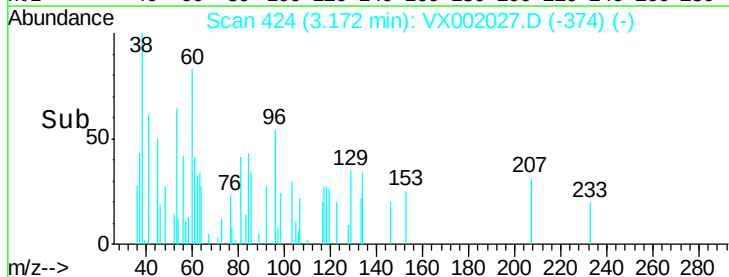
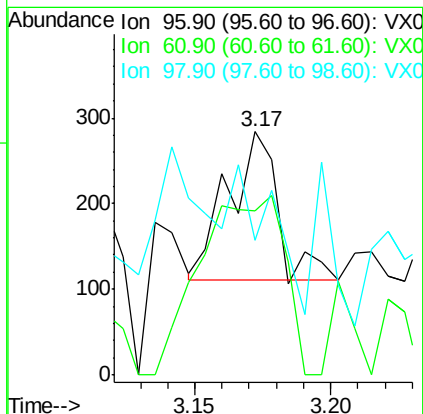
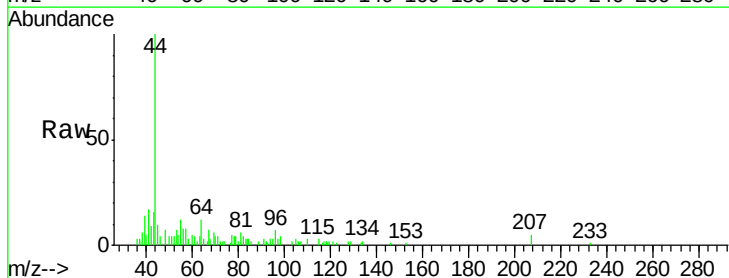
Tot Ion:	84	Resp:	167
Ion	Ratio	Lower	Upper
84	100		
49	72.5	107.2	160.8#
51	0.0	32.4	48.6#
86	99.1	50.4	75.6#

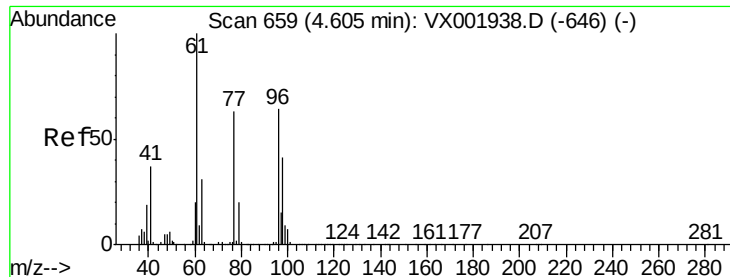


#21

trans-1,2-Dichloroethene
 Concen: Below Cal
 RT: 3.17 min Scan# 424
 Delta R.T. 0.01 min
 Lab File: VX002027.D
 Acq: 26 May 2018 18:59

Tgt Ion:	96	Resp:	219
Ion	Ratio	Lower	Upper
96	100		
61	48.0	113.3	169.9#
98	30.1	51.7	77.5#



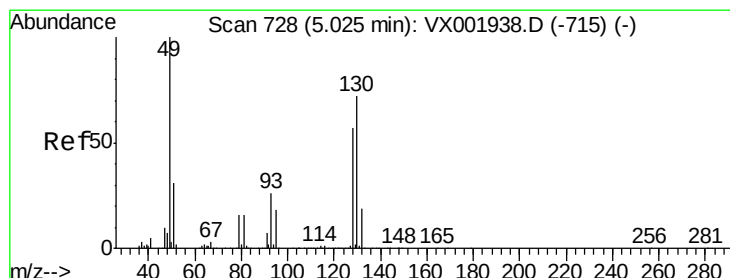
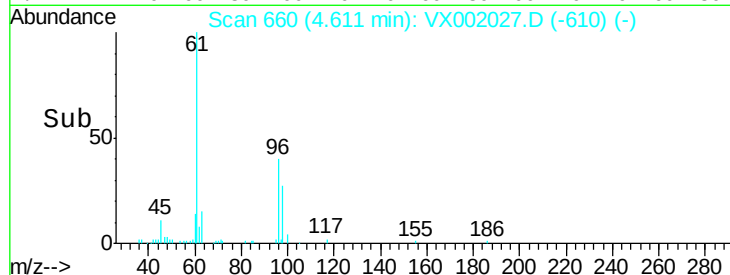
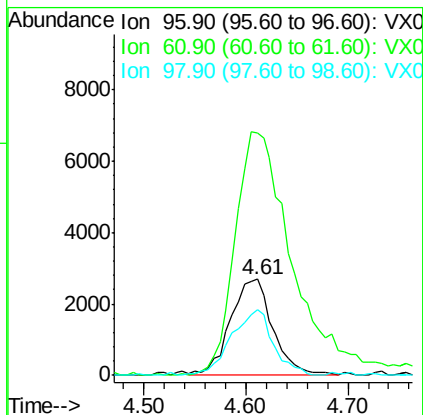
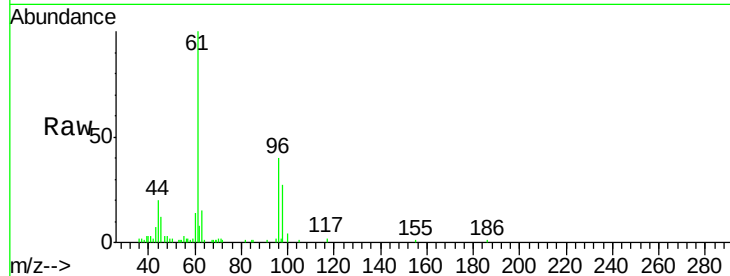


#27

cis-1,2-Dichloroethene
Concen: 1.73 ua/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX002027.D
Acq: 26 May 2018 18:59

Instrument :
MSVOA_X
ClientSampleId :

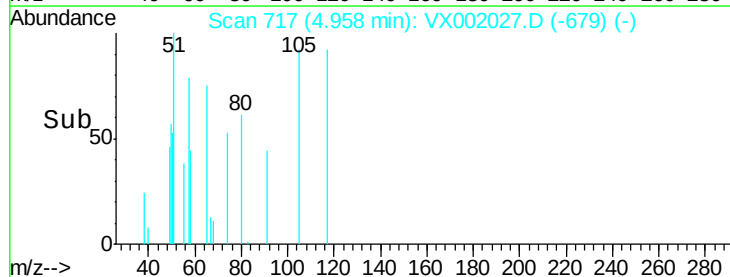
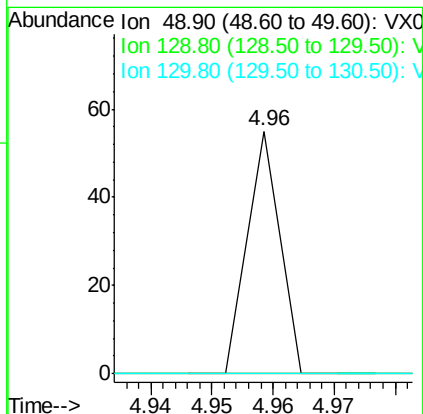
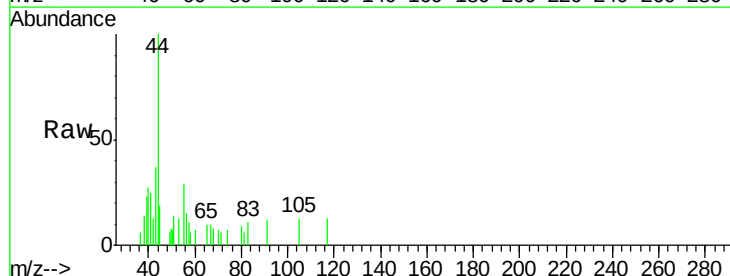
Tot Ion	Ratio	Lower	Upper
96	100		
61	343.7	0.0	348.4
98	67.2	0.0	128.6

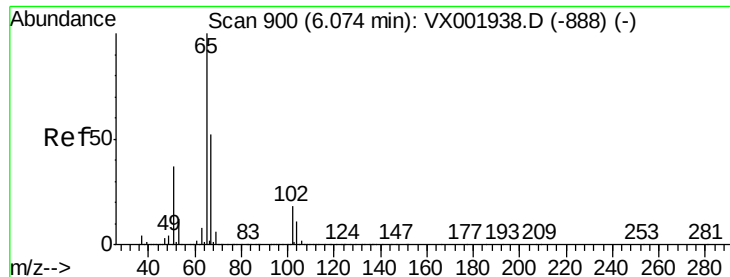


#28

Bromochloromethane
Concen: Below Cal
RT: 4.96 min Scan# 717
Delta R.T. -0.07 min
Lab File: VX002027.D
Acq: 26 May 2018 18:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	59.4	89.2#

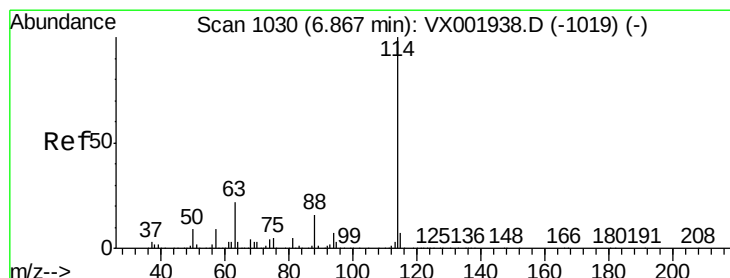
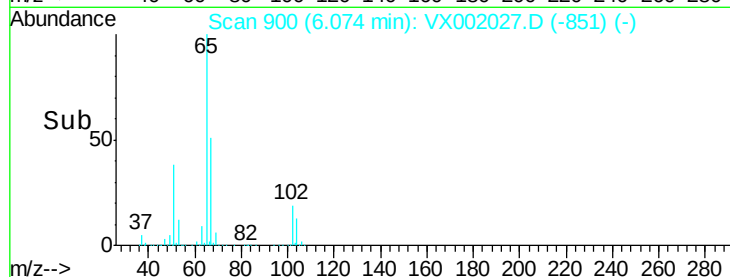
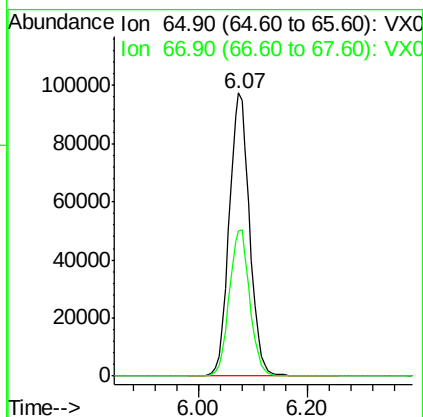
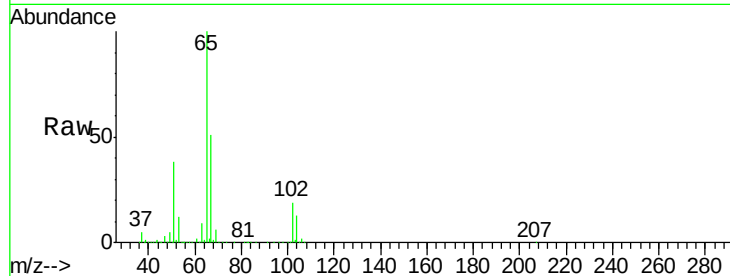




#33
 1,2-Dichloroethane-d4
 Concen: 47.70 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002027.D
 Acq: 26 May 2018 18:59

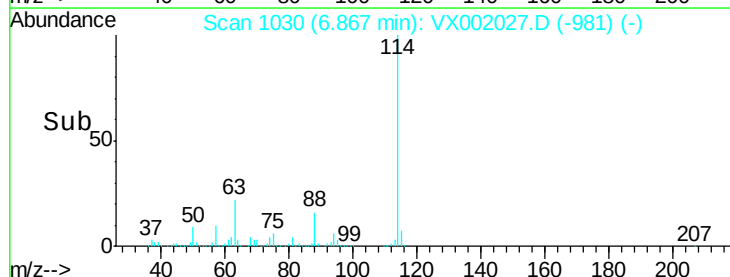
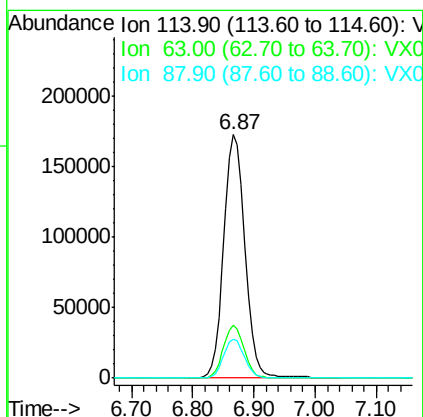
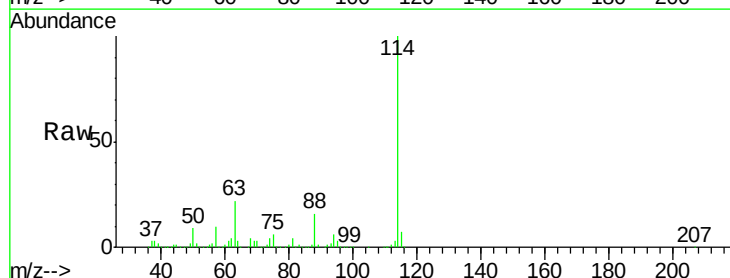
Instrument :
 MSVOA_X
 ClientSampled :

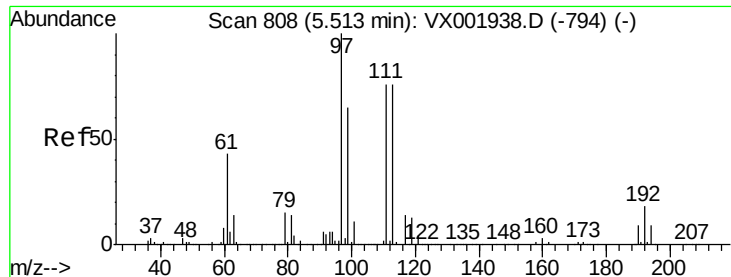
Tot Ion: 65 Resp: 253894
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002027.D
 Acq: 26 May 2018 18:59

Tgt Ion: 114 Resp: 414666
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.2
 88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.71 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX002027.D

Acq: 26 May 2018 18:59

Instrument :

MSVOA_X

ClientSampleId :

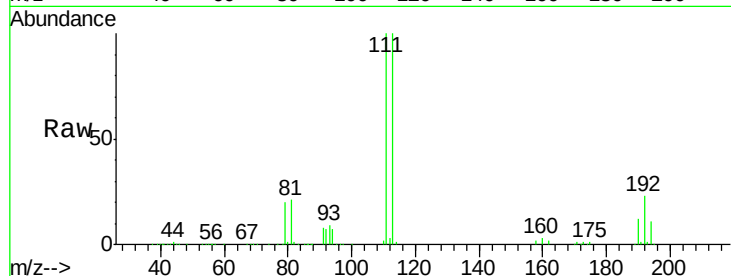
Tot Ion:113 Resp: 197851

Ion Ratio Lower Upper

113 100

111 101.2 82.0 123.0

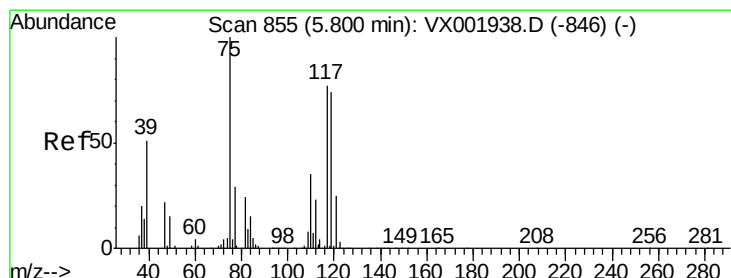
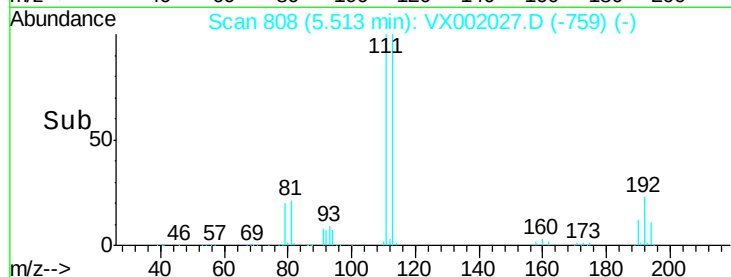
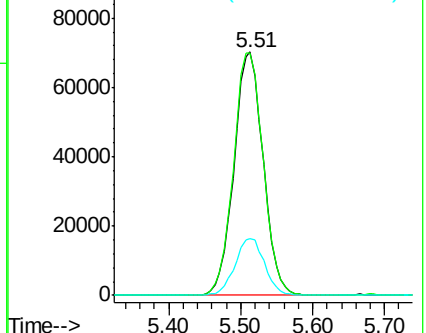
192 23.6 18.9 28.3



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: 3.65 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002027.D

Acq: 26 May 2018 18:59

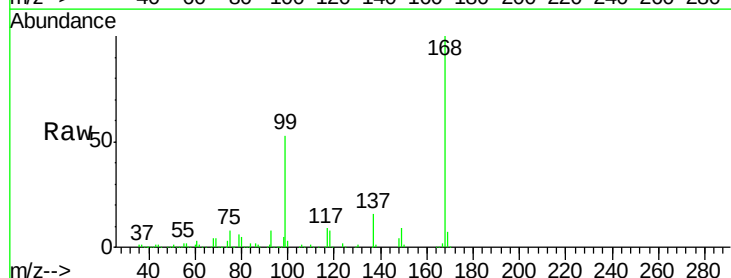
Tgt Ion: 75 Resp: 21050

Ion Ratio Lower Upper

75 100

110 11.3 17.4 52.2#

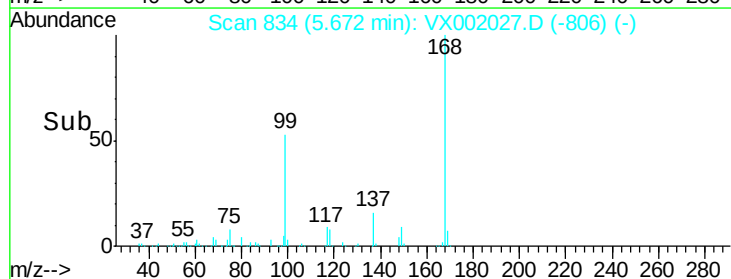
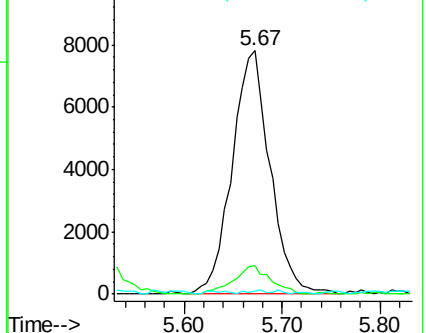
77 0.8 24.4 36.6#

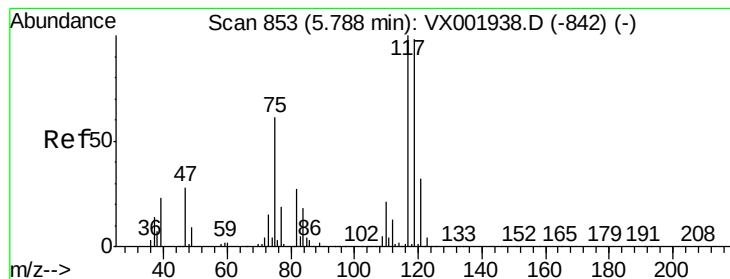


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.10 ua/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002027.D

Acq: 26 May 2018 18:59

Instrument :
MSVOA_X
ClientSampleId :

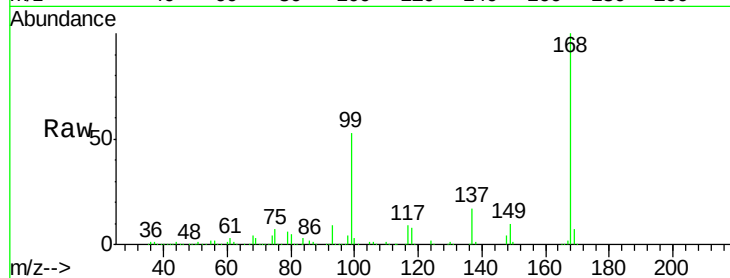
Tot Ion:117 Resp: 27563

Ion Ratio Lower Upper

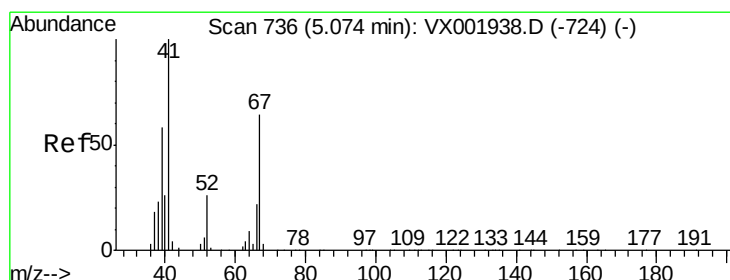
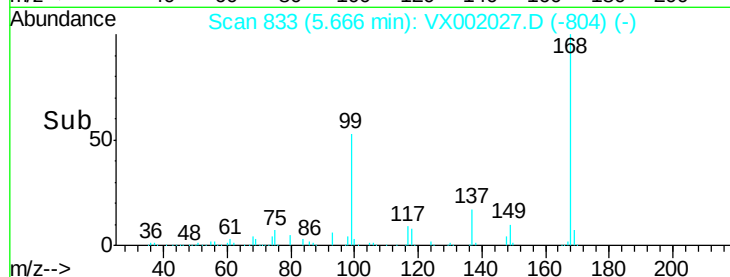
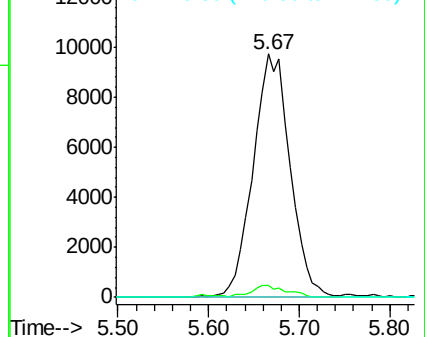
117 100

119 4.7 78.5 117.7#

121 0.0 25.5 38.3#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.07 min Scan# 735

Delta R.T. -0.01 min

Lab File: VX002027.D

Acq: 26 May 2018 18:59

Tgt Ion: 41 Resp: 186

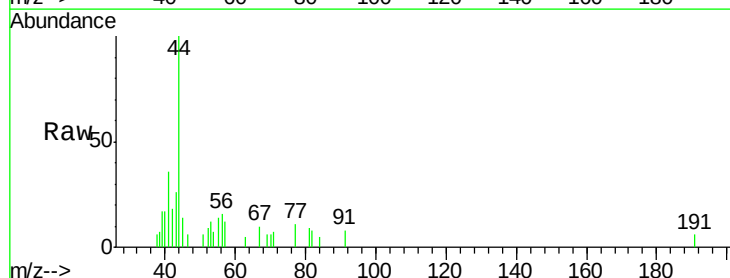
Ion Ratio Lower Upper

41 100

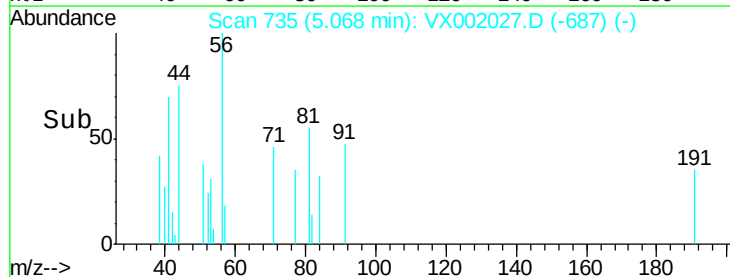
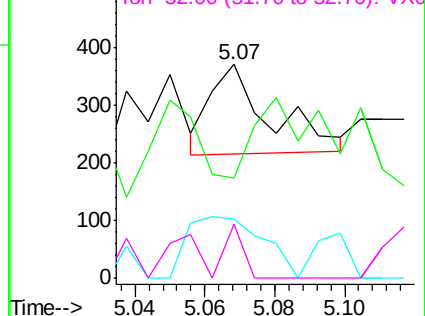
39 0.0 46.0 69.0#

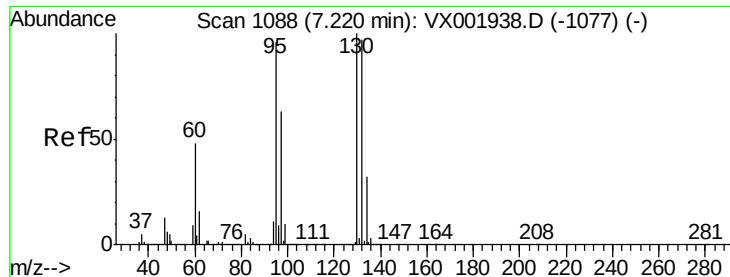
67 86.0 50.6 75.8#

52 26.9 21.9 32.9



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0





#44

Trichloroethene

Concen: 4.42 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX002027.D

Acq: 26 May 2018 18:59

Instrument :

MSVOA_X

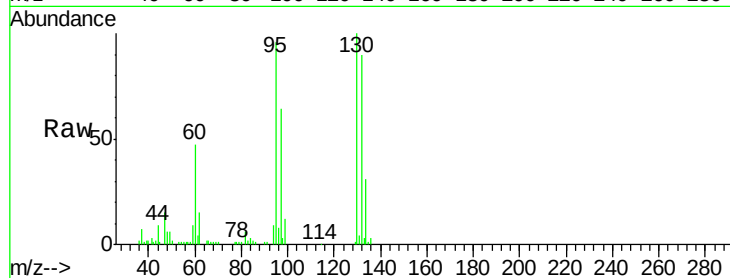
ClientSampleId :

Tot Ion:130 Resp: 21763

Ion Ratio Lower Upper

130 100

95 95.6 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

12000

10000

8000

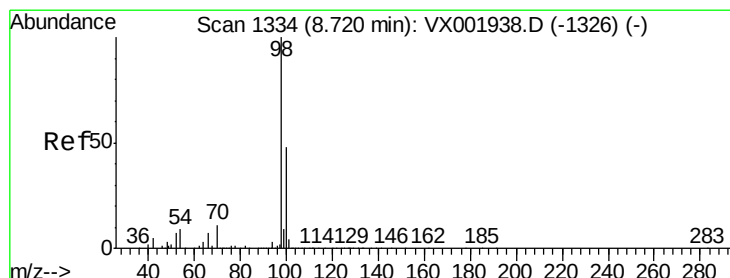
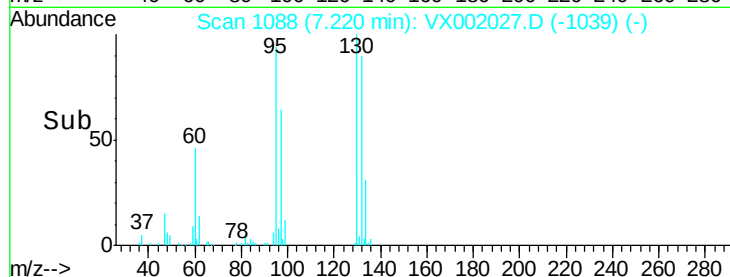
6000

4000

2000

0

Time--> 7.10 7.20 7.30



#50

Toluene-d8

Concen: 49.52 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002027.D

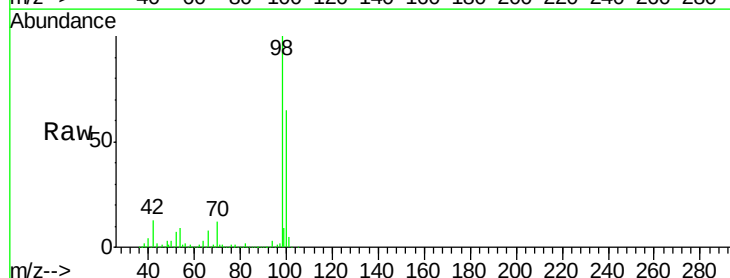
Acq: 26 May 2018 18:59

Tgt Ion: 98 Resp: 743473

Ion Ratio Lower Upper

98 100

100 63.6 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.72

500000

400000

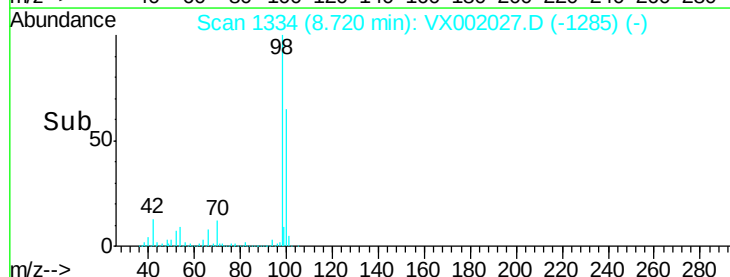
300000

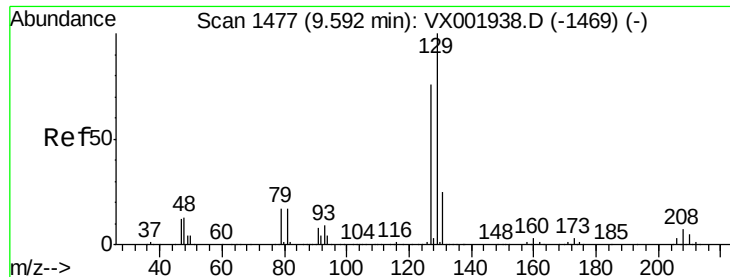
200000

100000

0

Time--> 8.60 8.70 8.80 8.90 9.00

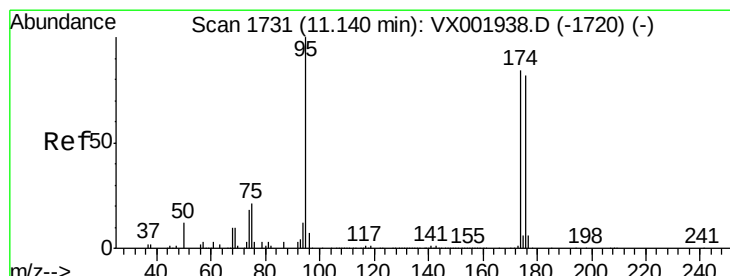
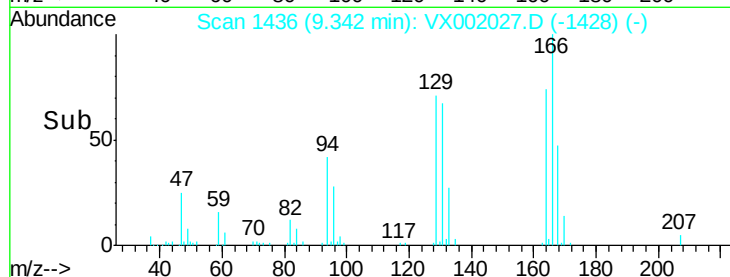
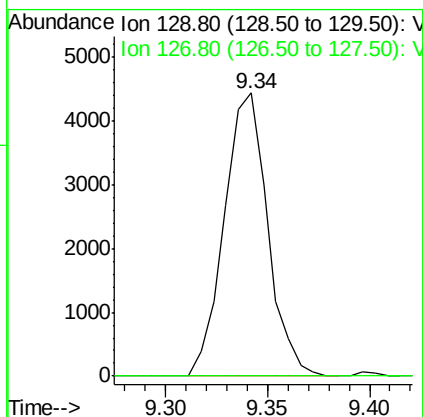
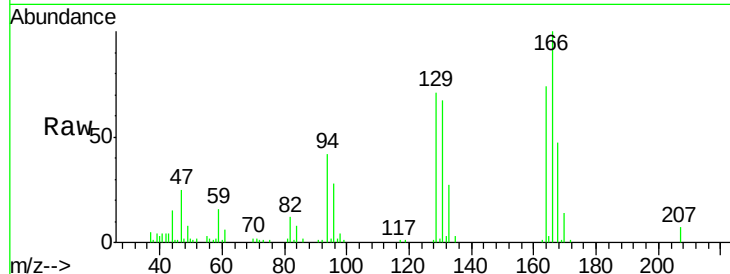




#60
 Dibromochloromethane
 Concen: 1.23 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX002027.D
 Acq: 26 May 2018 18:59

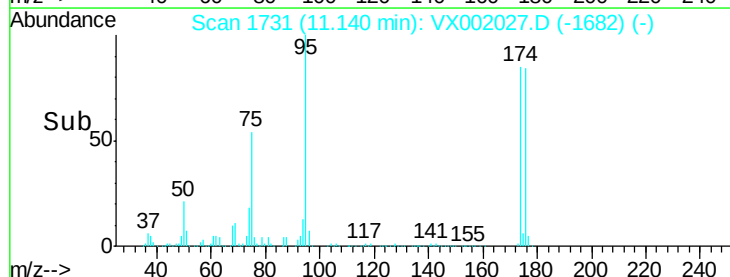
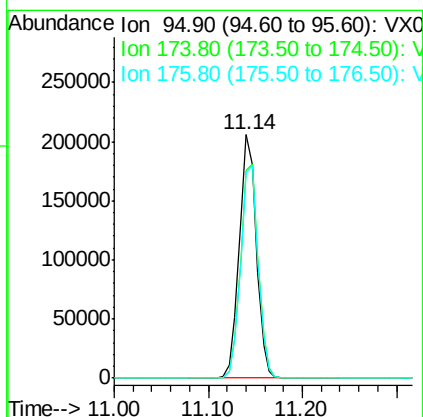
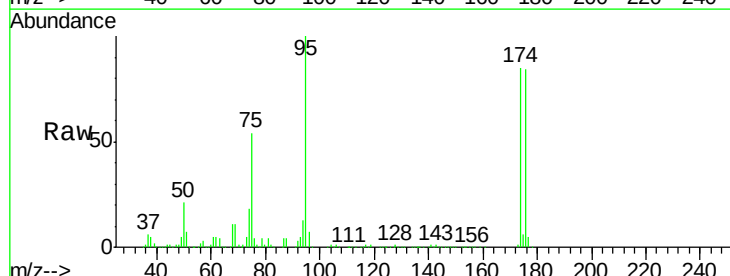
Instrument :
 MSVOA_X
 ClientSampleId :

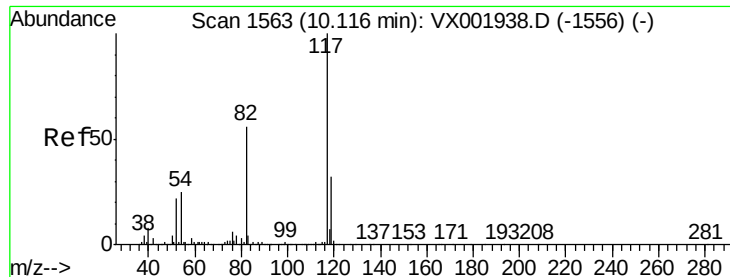
Tot Ion:129 Resp: 6536
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.3 114.9#



#62
 4-Bromofluorobenzene
 Concen: 44.26 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX002027.D
 Acq: 26 May 2018 18:59

Tgt Ion: 95 Resp: 259951
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 178.8
 176 89.9 0.0 175.6

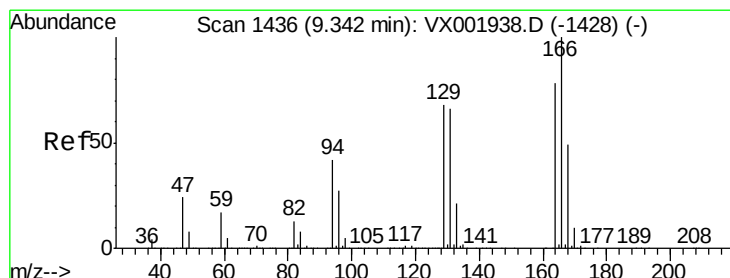
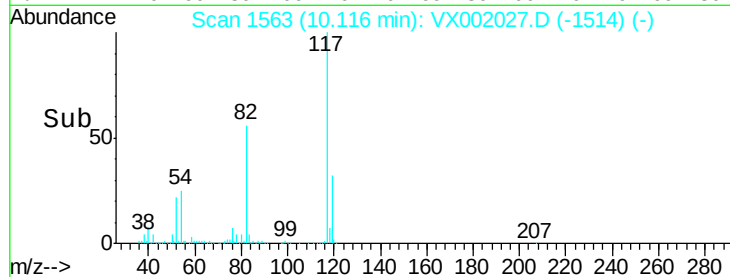
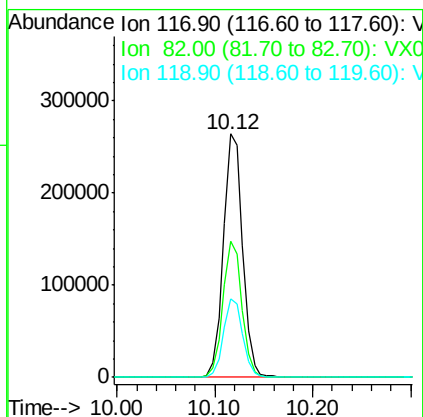
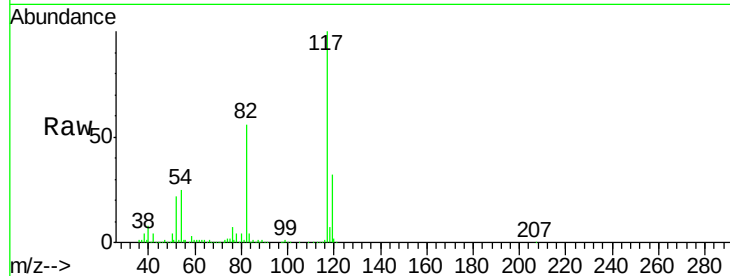




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002027.D
Acq: 26 May 2018 18:59

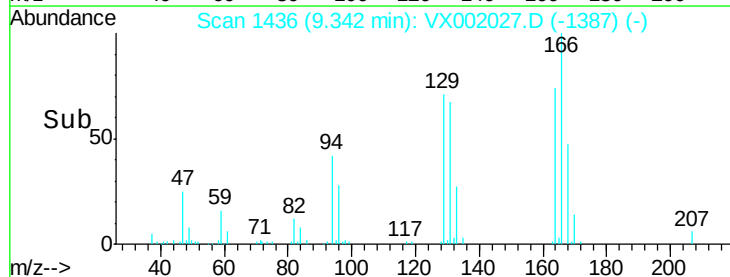
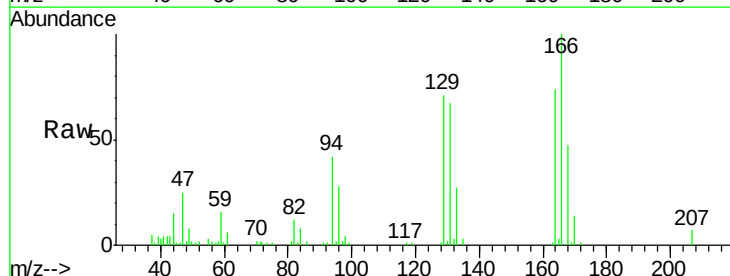
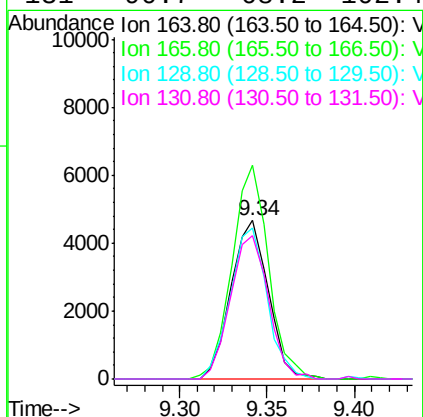
Instrument :
MSVOA_X
ClientSampleId :

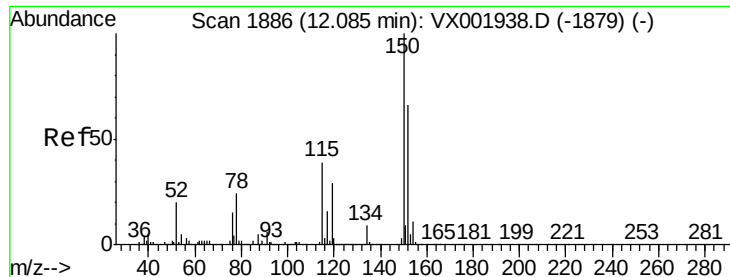
Tot Ion:117 Resp: 360562
Ion Ratio Lower Upper
117 100
82 56.0 44.8 67.2
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 1.34 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002027.D
Acq: 26 May 2018 18:59

Tgt Ion:164 Resp: 6932
Ion Ratio Lower Upper
164 100
166 134.8 102.7 154.1
129 95.2 70.3 105.5
131 90.7 68.2 102.4

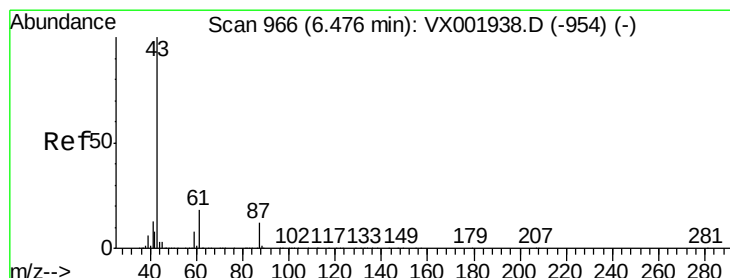
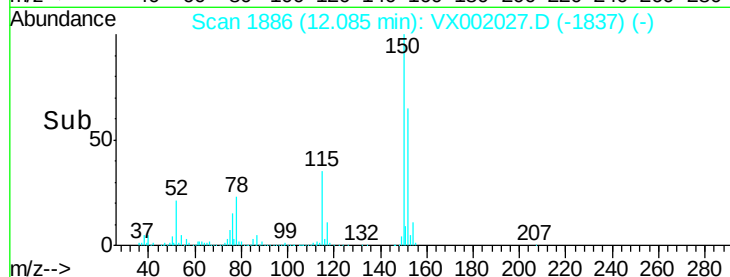
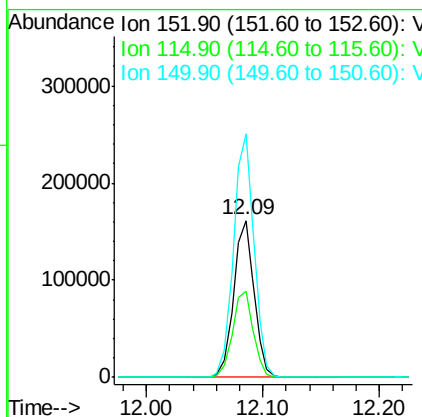
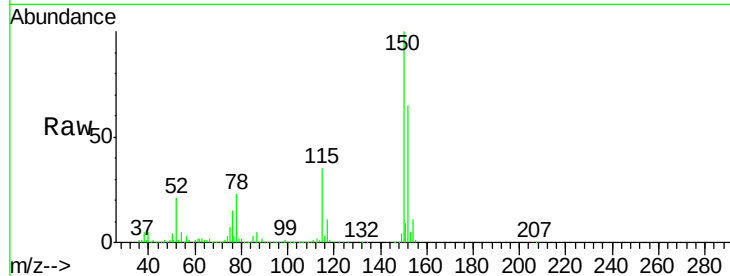




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX002027.D
 Acq: 26 May 2018 18:59

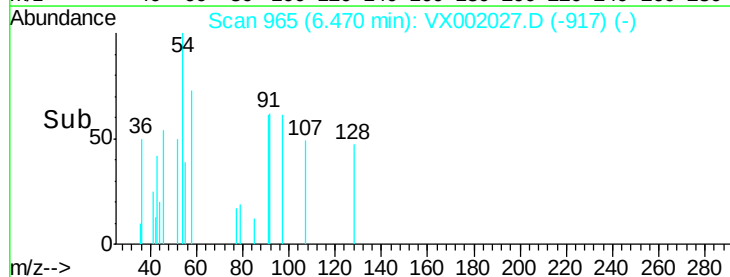
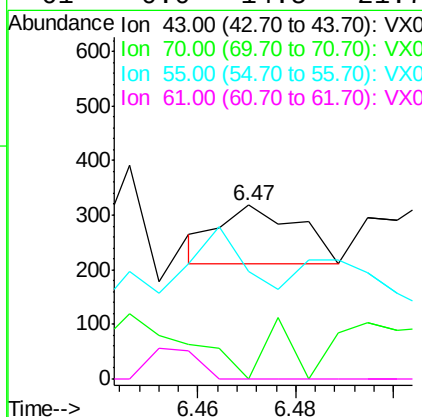
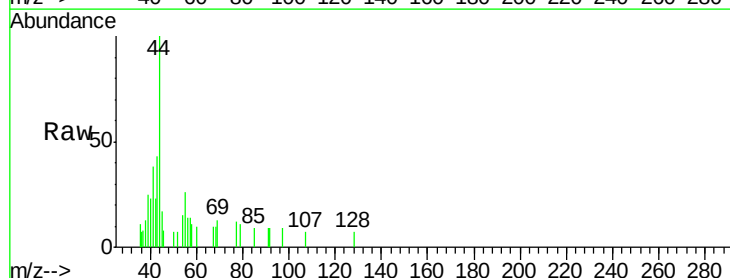
Instrument :
 MSVOA_X
 ClientSampleId :

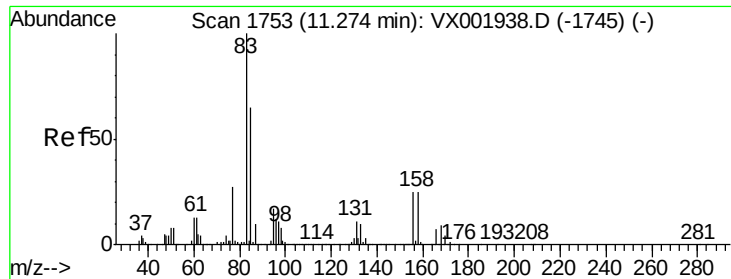
Tot Ion:152 Resp: 197060
 Ion Ratio Lower Upper
 152 100
 115 55.8 42.3 126.8
 150 155.7 0.0 351.0



#74
 N-ethyl acetate
 Concen: Below Cal
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX002027.D
 Acq: 26 May 2018 18:59

Tgt Ion: 43 Resp: 118
 Ion Ratio Lower Upper
 43 100
 70 34.7 0.1 0.1#
 55 169.5 0.1 0.1#
 61 0.0 14.5 21.7#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002027.D

Acq: 26 May 2018 18:59

Instrument :

MSVOA_X

ClientSampleId :

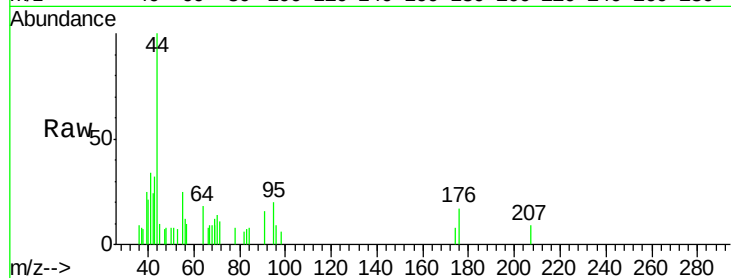
Tot Ion: 83 Resp: 22

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

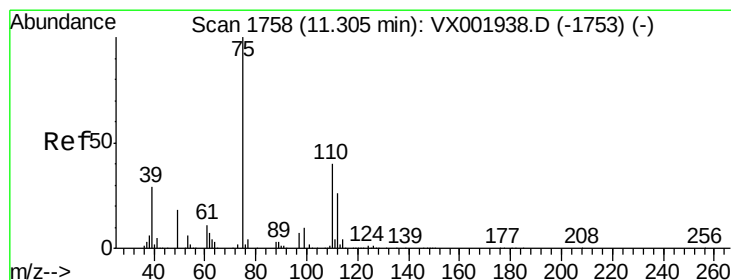
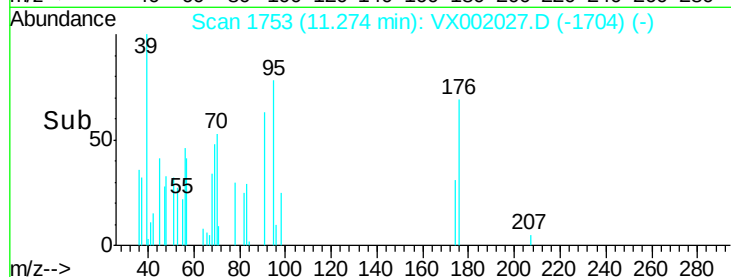
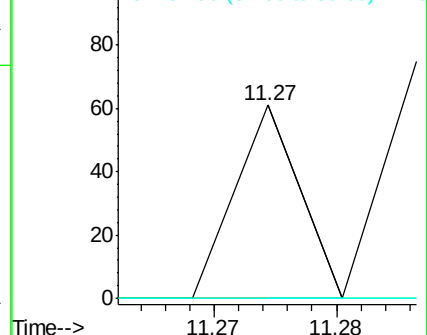
85 0.0 32.6 97.7#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 29.04 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002027.D

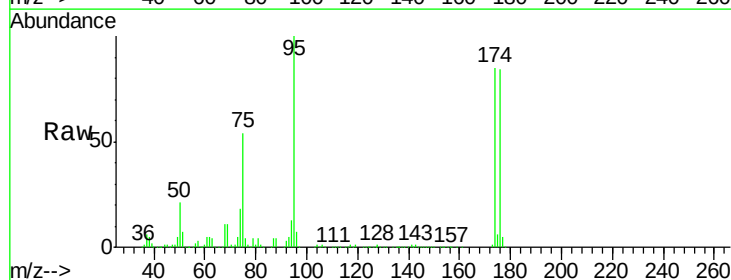
Acq: 26 May 2018 18:59

Tgt Ion: 75 Resp: 137467

Ion Ratio Lower Upper

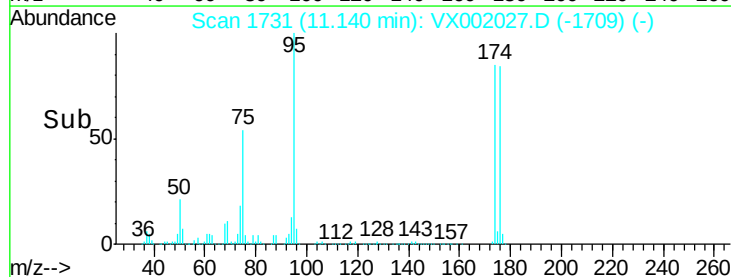
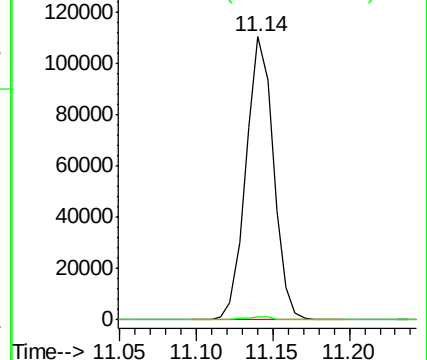
75 100

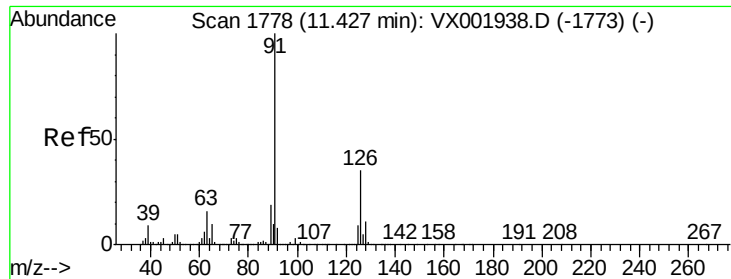
77 1.2 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

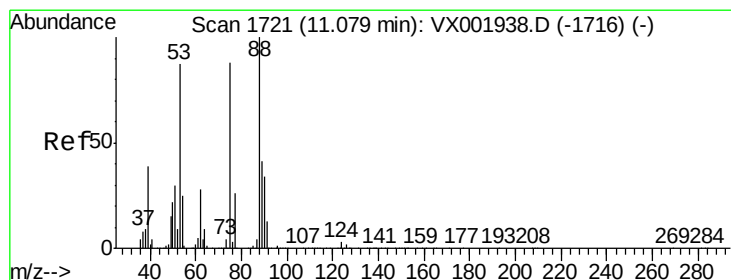
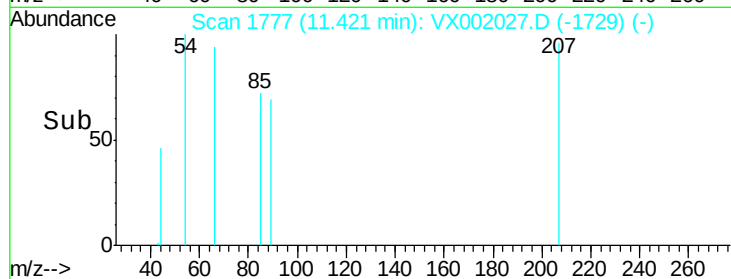
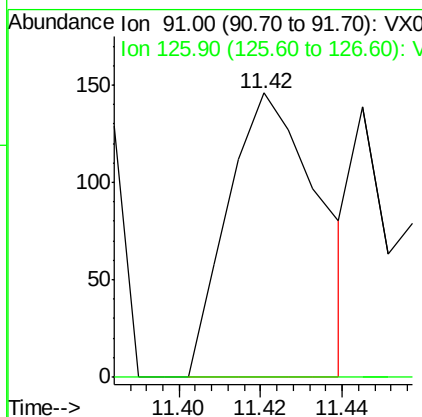
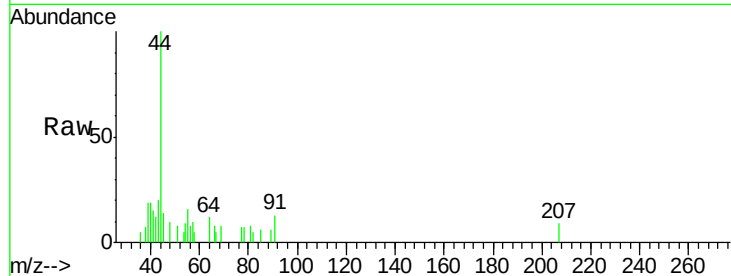




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: VX002027.D
 Acq: 26 May 2018 18:59

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 91 Resp: 227
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.4 52.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.80 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002027.D
 Acq: 26 May 2018 18:59

Tgt Ion: 75 Resp: 137467
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.0 117.0#
 89 0.0 39.4 59.2#

