

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002030.D
 Acq On : 26 May 2018 20:19
 Operator : JC/MD
 Sample : J3118-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 28 00:35:47 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	314157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	431081	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	382722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	205071	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	262224	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
35) Dibromofluoromethane	5.51	113	205417	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
50) Toluene-d8	8.72	98	777223	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	11.14	95	271347	44.44	ug/l	0.00
Spiked Amount			Recovery	=	88.88%	

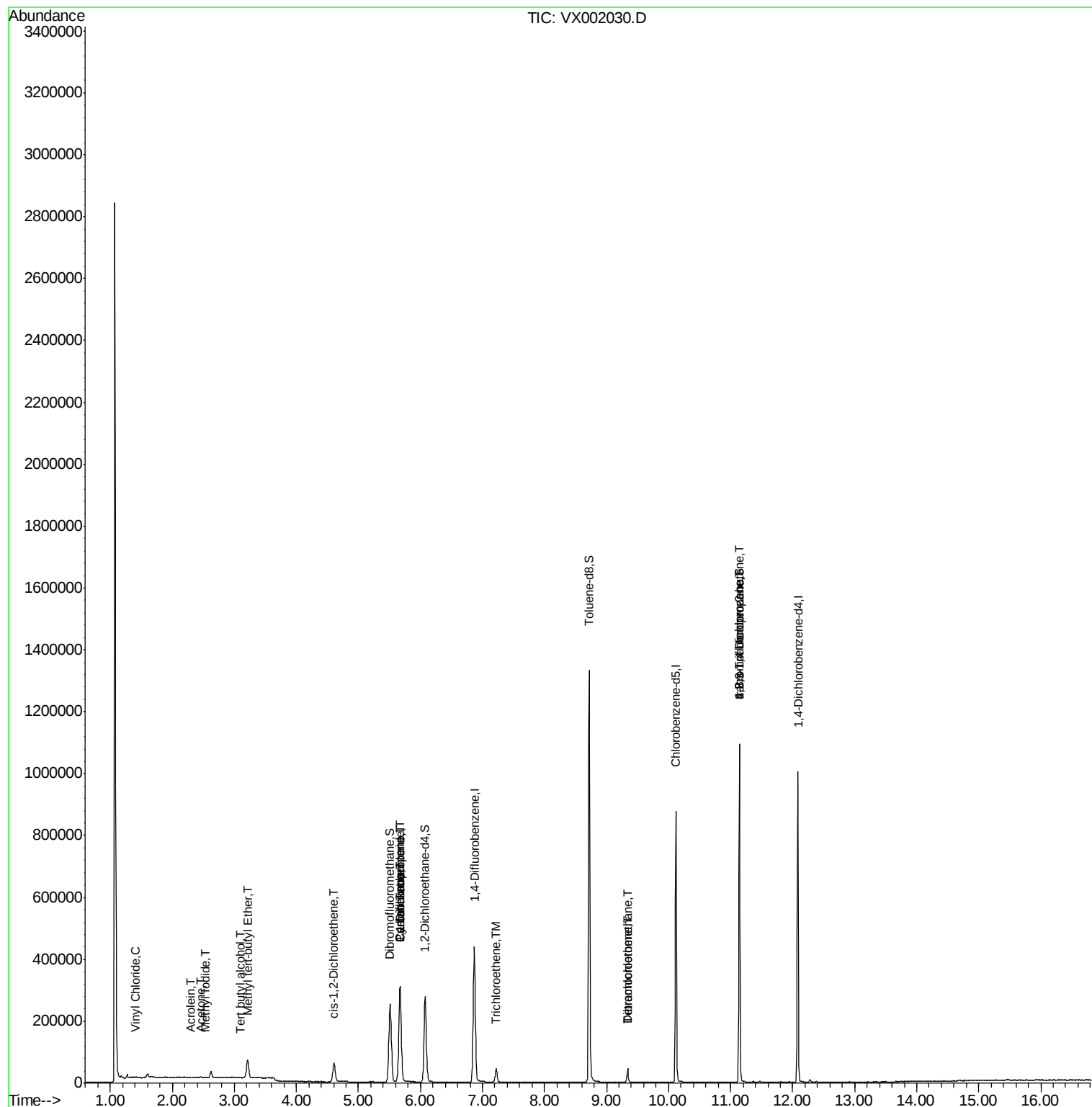
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	149	Below Cal	#	41
4) Vinyl Chloride	1.40	62	1202	0.26	ug/l	82
5) Bromomethane	1.66	94	1037	Below Cal		86
10) Methyl Iodide	2.53	142	1065	0.20	ug/l	90
11) Tert butyl alcohol	3.10	59	448	0.41	ug/l	71
13) Acrolein	2.29	56	177	0.37	ug/l	1
16) Acetone	2.45	43	2715	1.25	ug/l	91
18) Methyl Acetate	2.79	43	522	Below Cal	#	67
19) Methyl tert-butyl Ether	3.21	73	68002	4.94	ug/l	100
20) Methylene Chloride	2.84	84	91	Below Cal	#	24
21) trans-1,2-Dichloroethene	3.16	96	1043	Below Cal	#	49
27) cis-1,2-Dichloroethene	4.61	96	35767	7.49	ug/l	97
28) Bromochloromethane	4.98	49	22	Below Cal	#	14
31) Cyclohexane	5.67	56	5977	0.77	ug/l	1
36) 1,1-Dichloropropene	5.67	75	21795	3.63	ug/l	53
38) Carbon Tetrachloride	5.67	117	28472	4.07	ug/l	14
41) Methacrylonitrile	5.07	41	142	Below Cal	#	47
44) Trichloroethene	7.22	130	16650	3.25	ug/l	89
60) Dibromochloromethane	9.34	129	8041	1.45	ug/l	11
64) Tetrachloroethene	9.34	164	8646	1.58	ug/l	92
74) N-amyl acetate	6.46	43	198	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.23	83	23	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.14	75	143999	29.23	ug/l	33
79) 2-Chlorotoluene	11.43	91	330	Below Cal	#	40
81) trans-1,4-Dichloro-2-buten	11.14	75	143999	70.26	ug/l	10

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

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
Data File : VX002030.D
Acq On : 26 May 2018 20:19
Operator : JC/MD
Sample : J3118-10
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 28 00:35:47 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002030.D

Acq: 26 May 2018 20:19

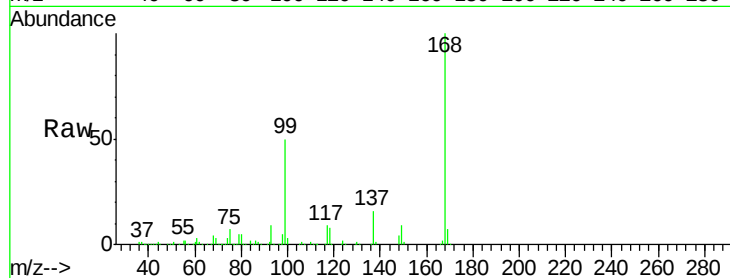
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 314157

Ion Ratio Lower Upper

168 100

99 50.0 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

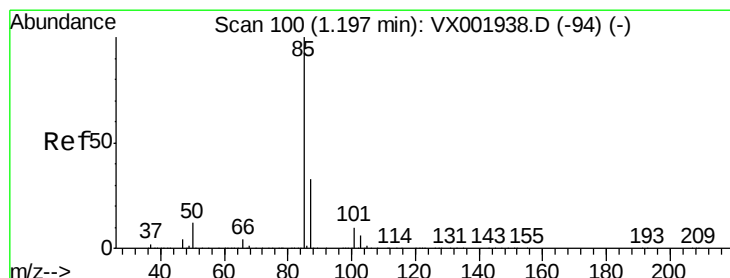
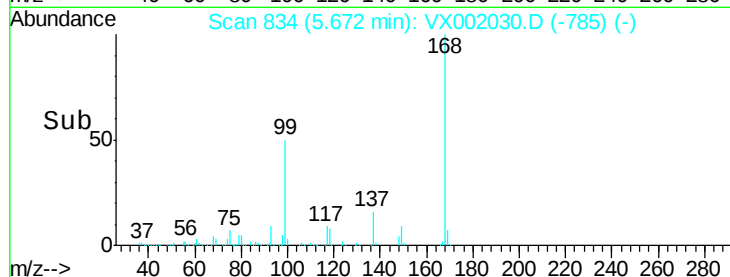
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX002030.D

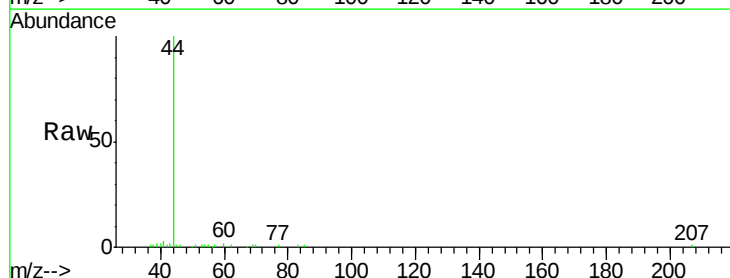
Acq: 26 May 2018 20:19

Tgt Ion: 85 Resp: 149

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

1.19

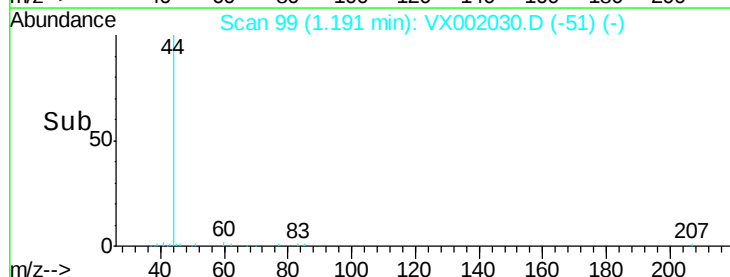
150

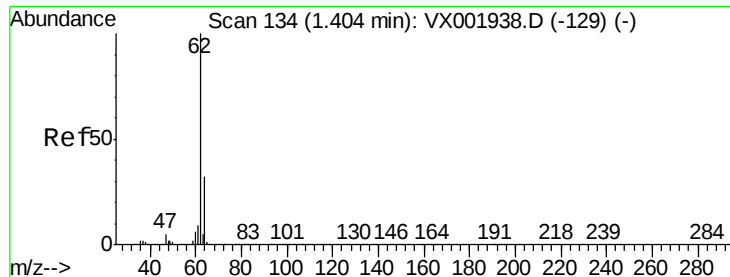
100

50

0

Time--> 1.16 1.18 1.20 1.22 1.24





#4

Vinyl Chloride

Concen: 0.26 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002030.D

Acq: 26 May 2018 20:19

Instrument :

MSVOA_X

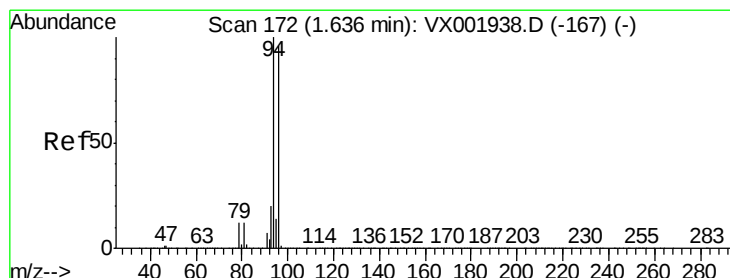
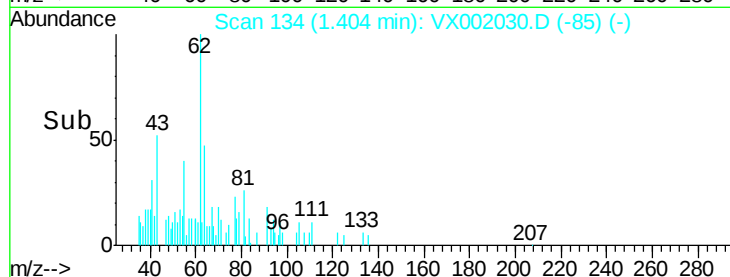
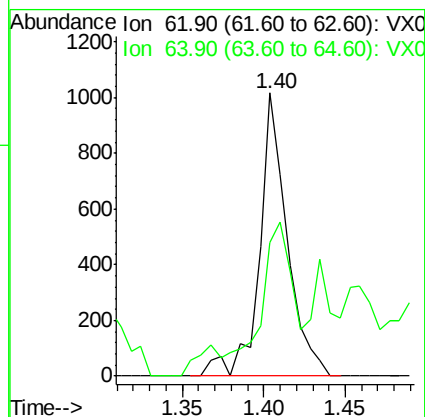
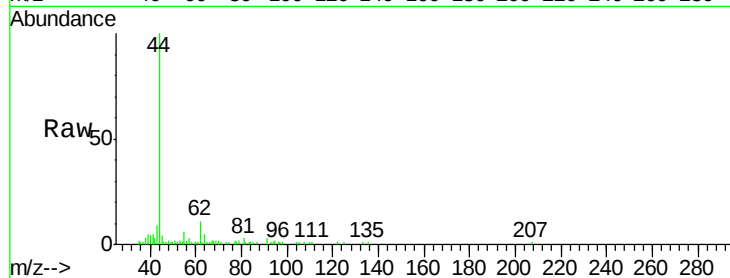
ClientSampleId :

Tot Ion: 62 Resp: 1202

Ion Ratio Lower Upper

62 100

64 41.4 25.4 38.0#



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002030.D

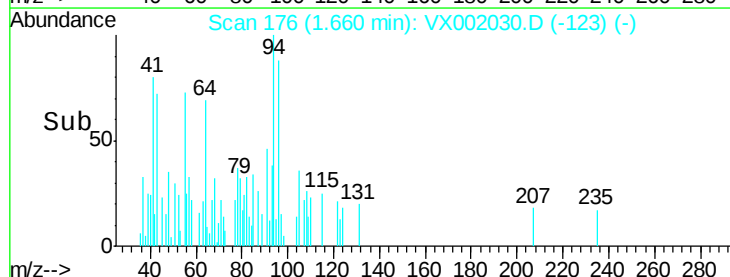
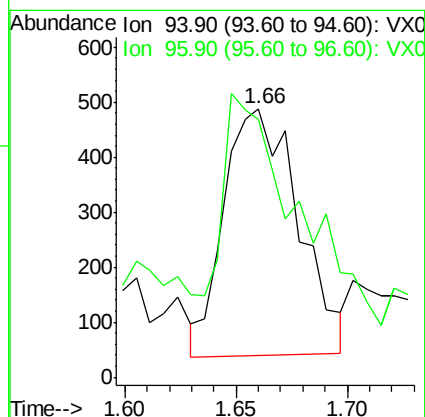
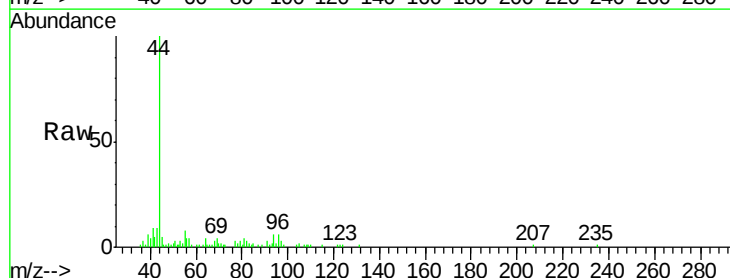
Acq: 26 May 2018 20:19

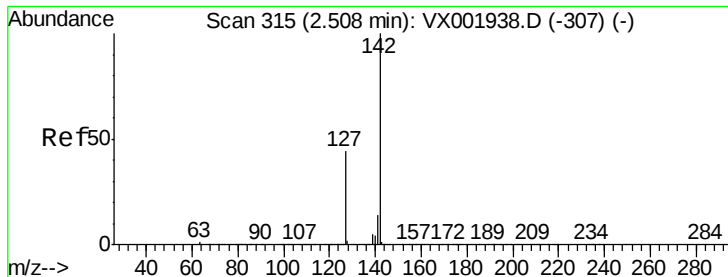
Tgt Ion: 94 Resp: 1037

Ion Ratio Lower Upper

94 100

96 81.3 75.9 113.9

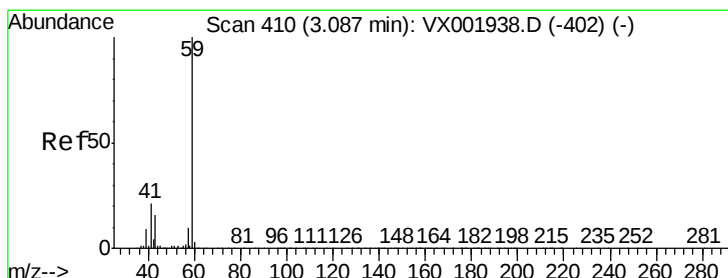
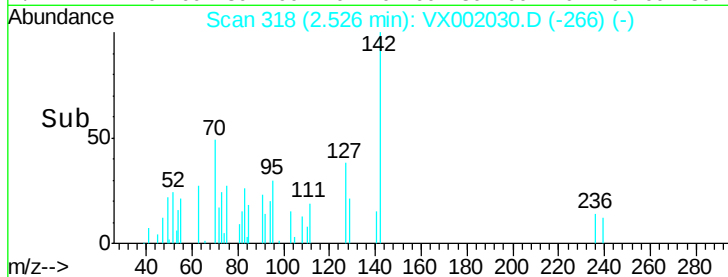
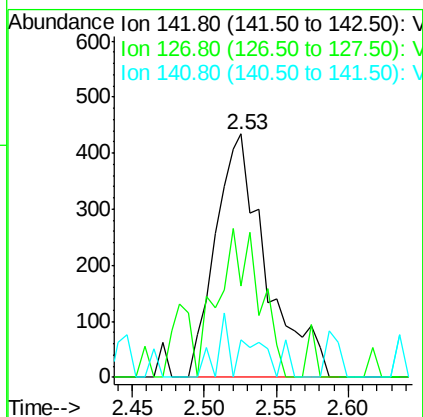
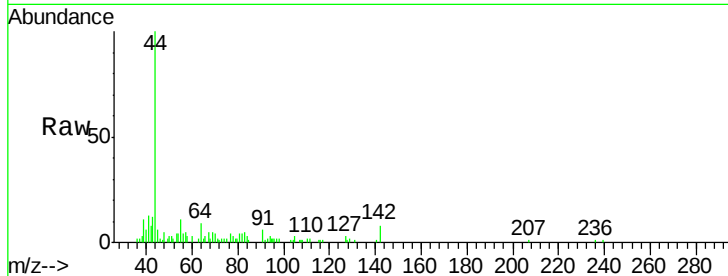




#10
Methyl Iodide
Concen: 0.20 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX002030.D
Acq: 26 May 2018 20:19

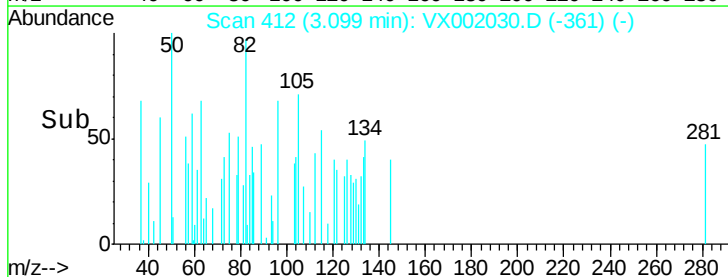
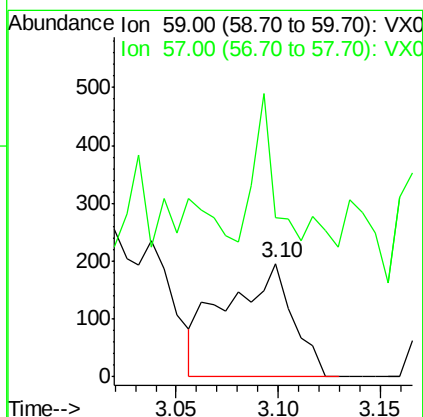
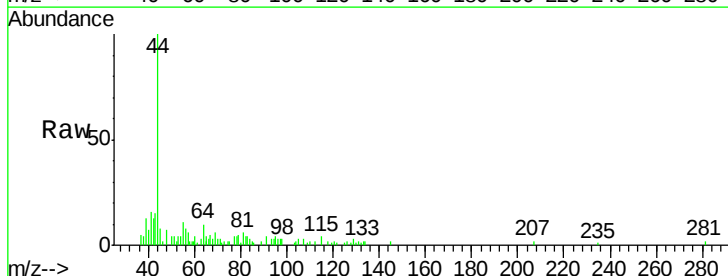
Instrument :
MSVOA_X
ClientSampleId :

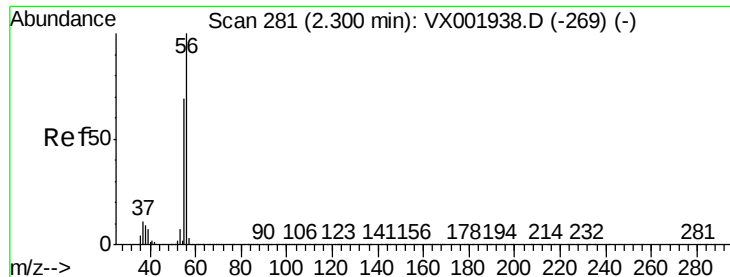
Tot Ion	Ratio	Lower	Upper
142	100		
127	49.5	35.5	53.3
141	8.0	11.3	16.9



#11
Tert butyl alcohol
Concen: 0.41 ug/l
RT: 3.10 min Scan# 412
Delta R.T. 0.01 min
Lab File: VX002030.D
Acq: 26 May 2018 20:19

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.9	13.3

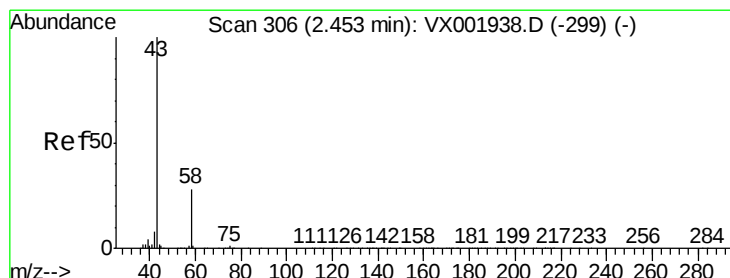
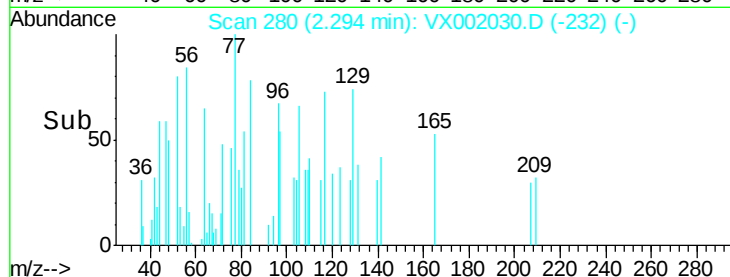
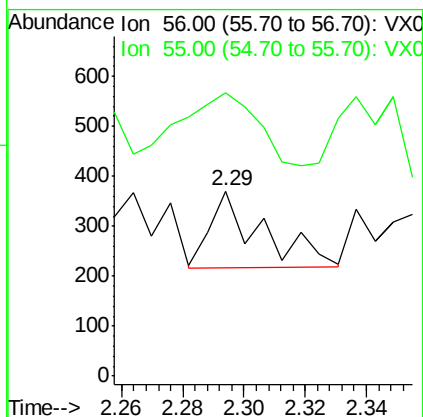
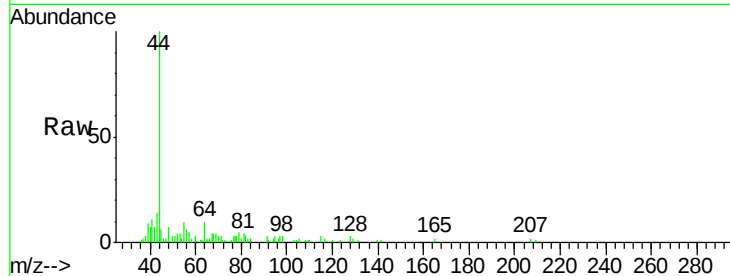




#13
Acrolein
Concen: 0.37 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX002030.D
Acq: 26 May 2018 20:19

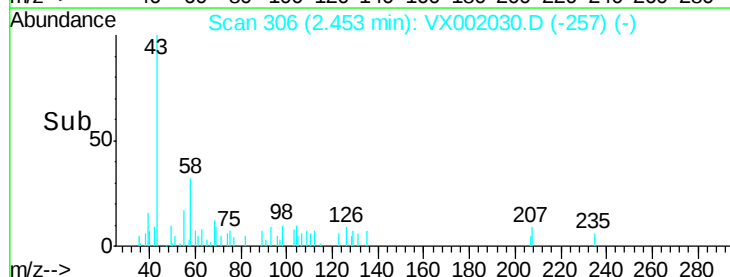
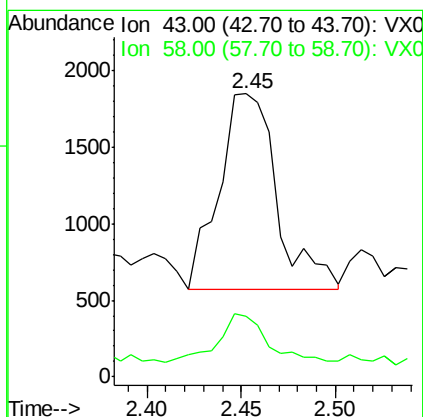
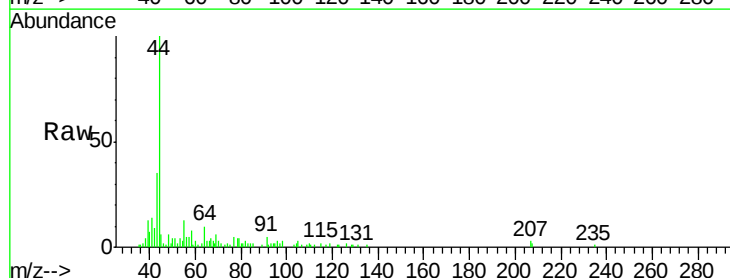
Instrument :
MSVOA_X
ClientSampled :

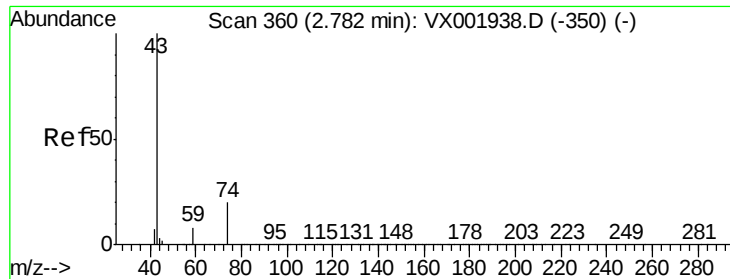
Tot Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
55 189.8 56.8 85.2#



#16
Acetone
Concen: 1.25 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX002030.D
Acq: 26 May 2018 20:19

Tgt Ion: 43 Resp: 2715
Ion Ratio Lower Upper
43 100
58 23.2 22.3 33.5

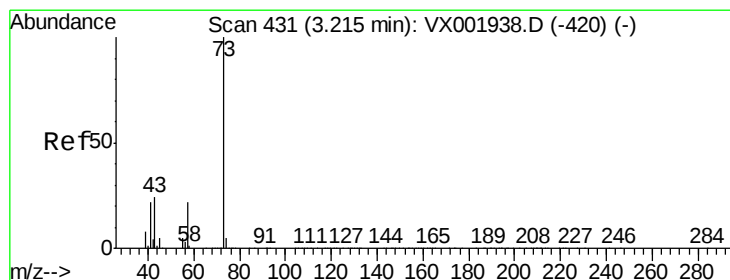
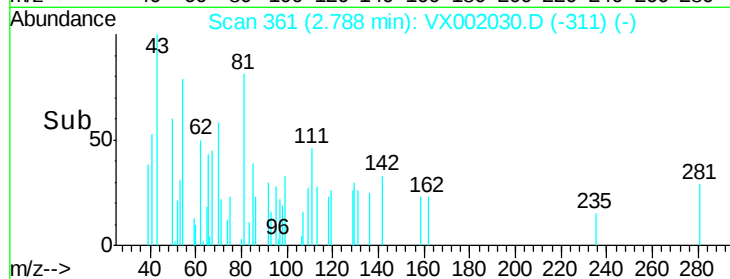
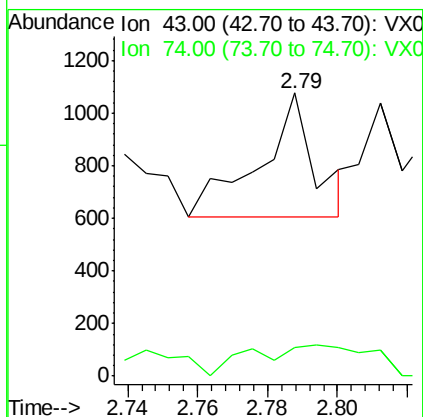
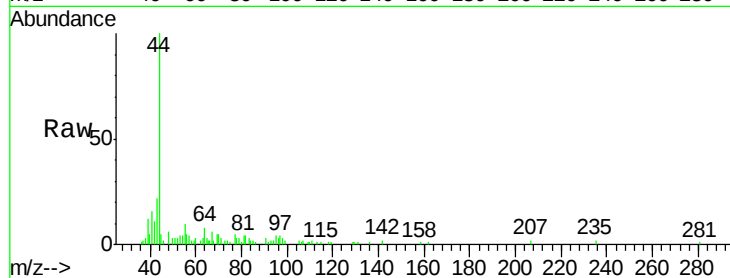




#18
Methyl Acetate
Concen: Below Cal
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX002030.D
Acq: 26 May 2018 20:19

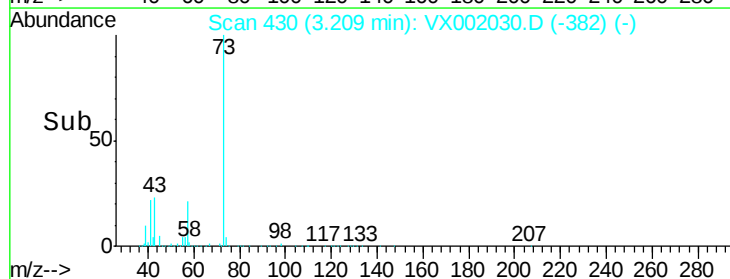
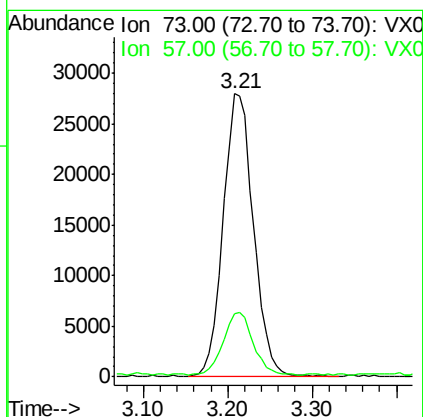
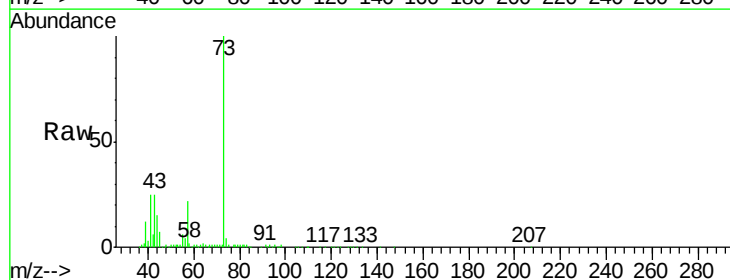
Instrument :
MSVOA_X
ClientSampled :

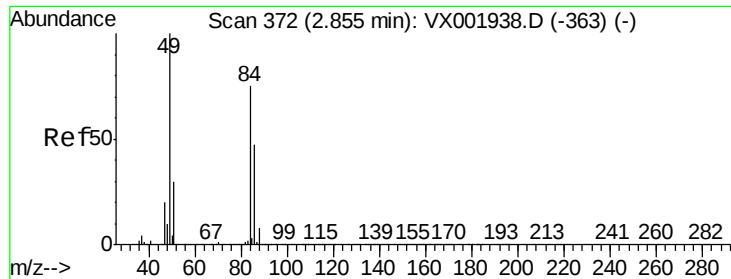
Tot Ion: 43 Resp: 522
Ion Ratio Lower Upper
43 100
74 36.6 16.8 25.2#



#19
Methyl tert-butyl Ether
Concen: 4.94 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002030.D
Acq: 26 May 2018 20:19

Tgt Ion: 73 Resp: 68002
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.0

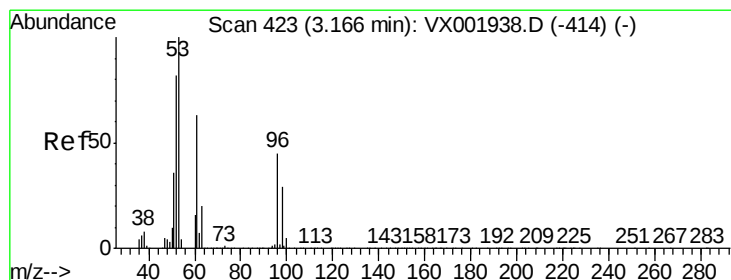
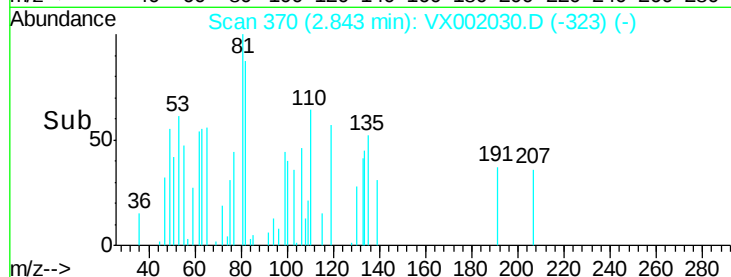
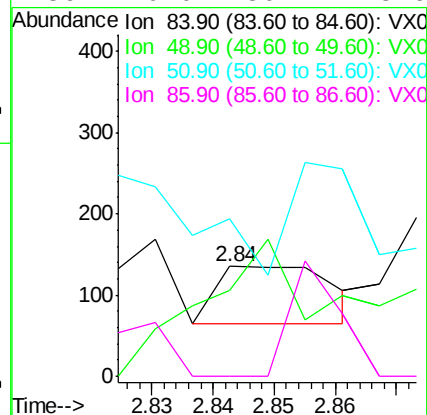
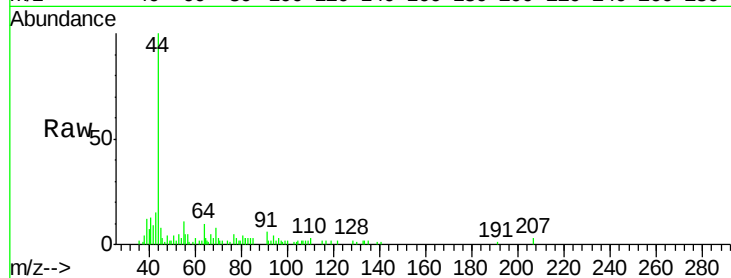




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 370
Delta R.T. -0.01 min
Lab File: VX002030.D
Acq: 26 May 2018 20:19

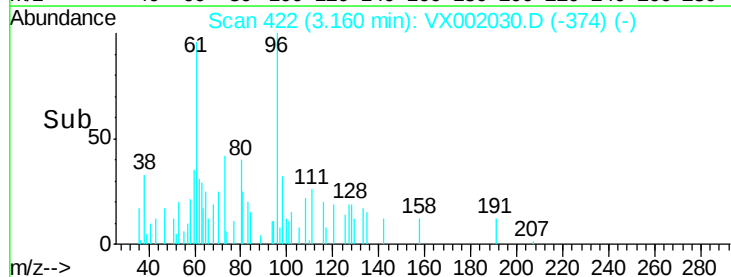
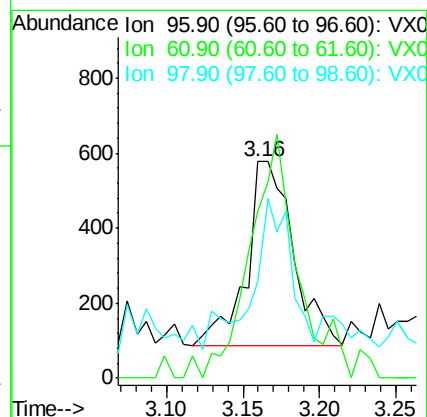
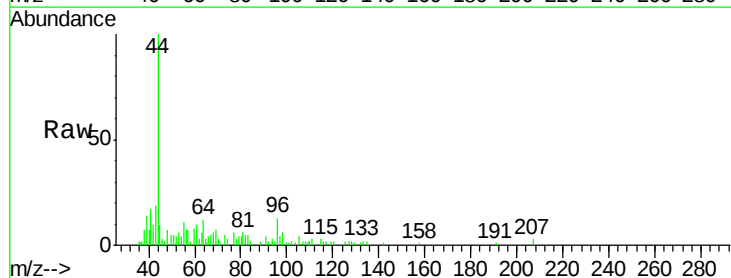
Instrument :
MSVOA_X
ClientSampleId :

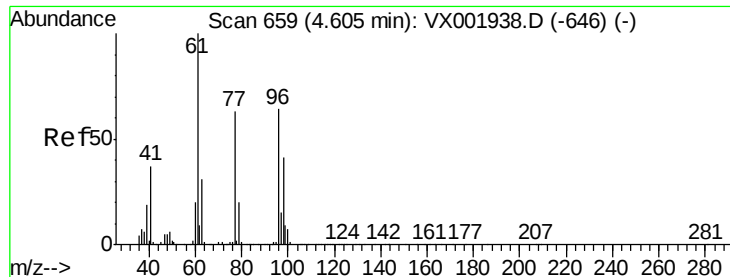
Tot Ion: 84 Resp: 91
Ion Ratio Lower Upper
84 100
49 25.7 107.2 160.8#
51 30.0 32.4 48.6#
86 0.0 50.4 75.6#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.16 min Scan# 422
Delta R.T. -0.01 min
Lab File: VX002030.D
Acq: 26 May 2018 20:19

Tgt Ion: 96 Resp: 1043
Ion Ratio Lower Upper
96 100
61 78.8 113.3 169.9#
98 24.3 51.7 77.5#





#27

cis-1,2-Dichloroethene

Concen: 7.49 ug/l

RT: 4.61 min Scan# 660

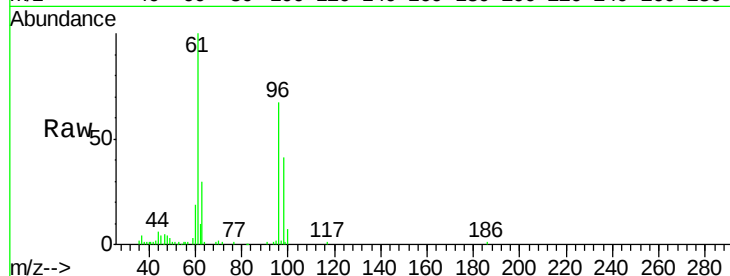
Delta R.T. 0.01 min

Lab File: VX002030.D

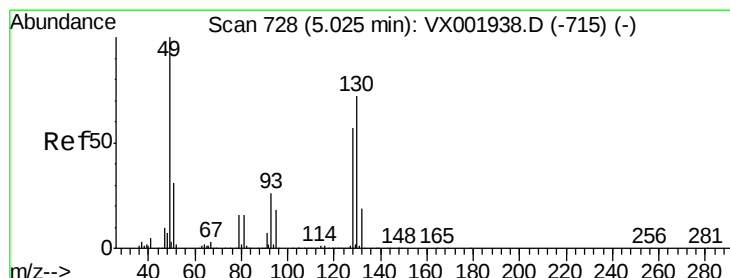
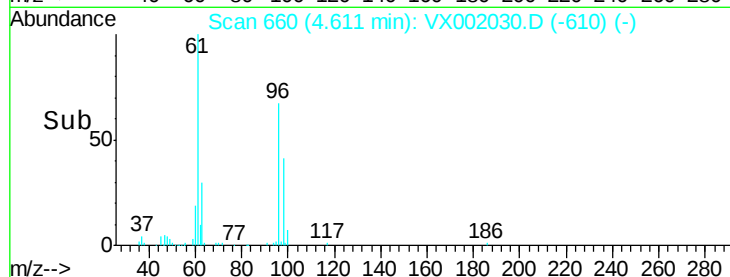
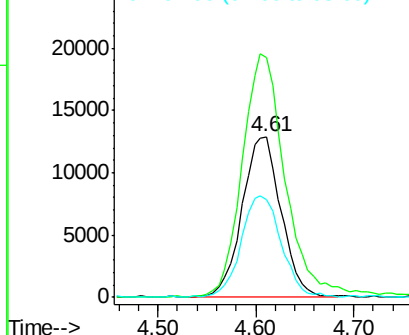
Acq: 26 May 2018 20:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	96	Resp:	35767
Ion	Ratio	Lower	Upper
96	100		
61	168.6	0.0	348.4
98	65.2	0.0	128.6



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



#28

Bromochloromethane

Concen: Below Cal

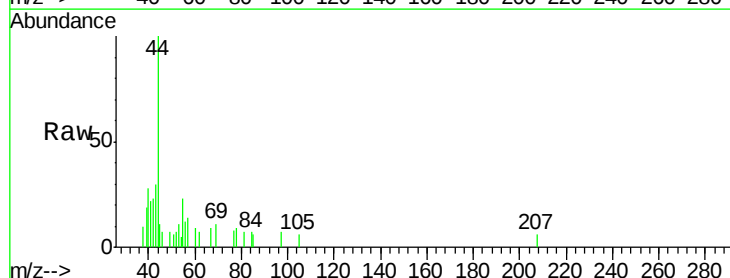
RT: 4.98 min Scan# 720

Delta R.T. -0.05 min

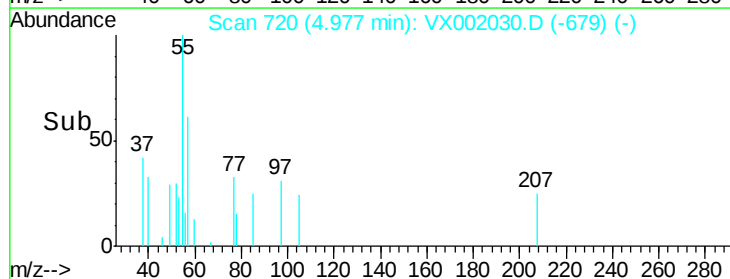
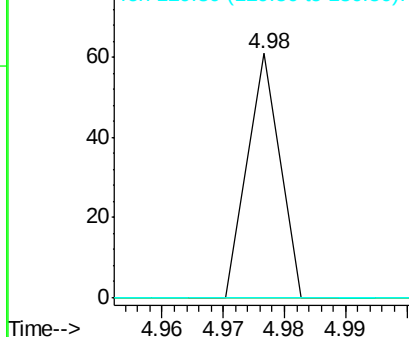
Lab File: VX002030.D

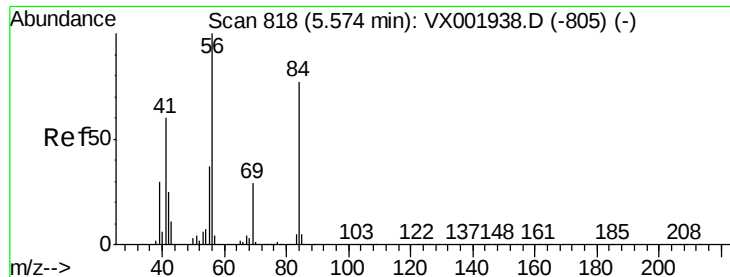
Acq: 26 May 2018 20:19

Tgt Ion:	49	Resp:	22
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	59.4	89.2#



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





#31

Cyclohexane

Concen: 0.77 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX002030.D

Acq: 26 May 2018 20:19

Instrument :

MSVOA_X

ClientSampleId :

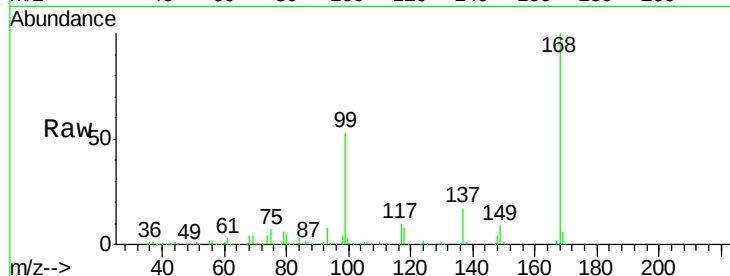
Tot Ion: 56 Resp: 5977

Ion Ratio Lower Upper

56 100

69 182.3 23.1 34.7#

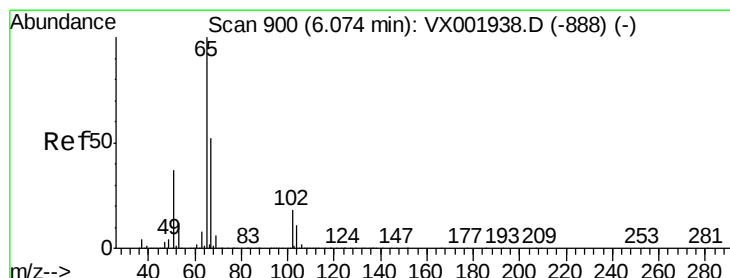
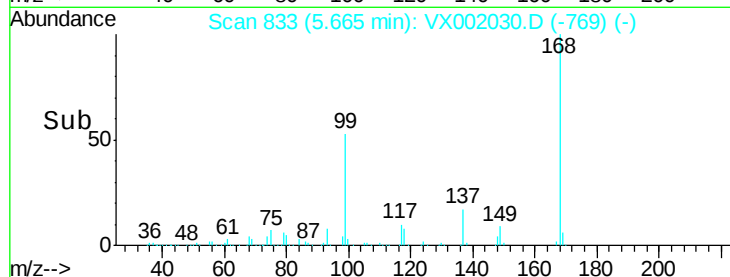
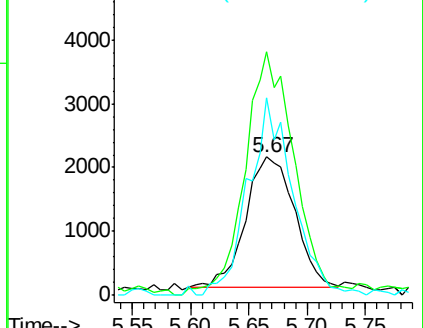
84 147.5 62.0 93.0#



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



#33

1,2-Dichloroethane-d4

Concen: 46.70 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002030.D

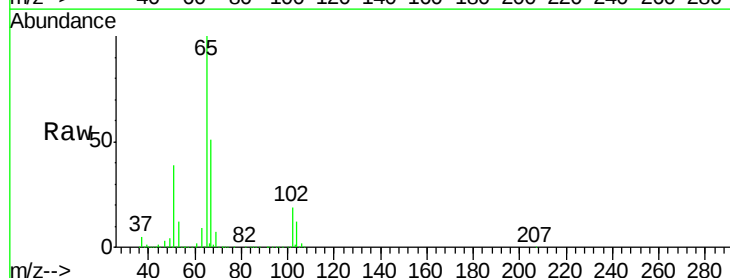
Acq: 26 May 2018 20:19

Tgt Ion: 65 Resp: 262224

Ion Ratio Lower Upper

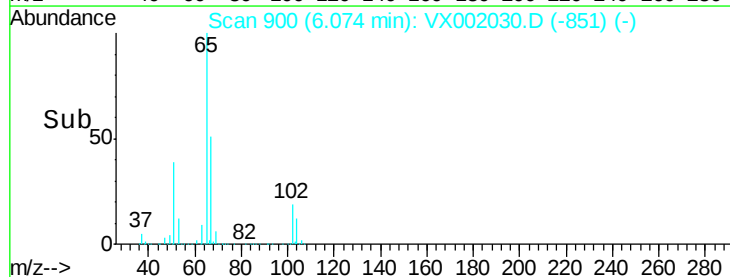
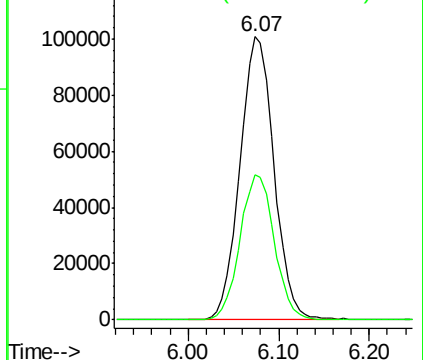
65 100

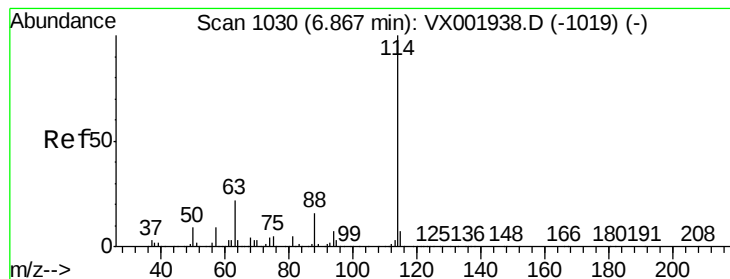
67 51.7 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002030.D

Acq: 26 May 2018 20:19

Instrument :

MSVOA_X

ClientSampleId :

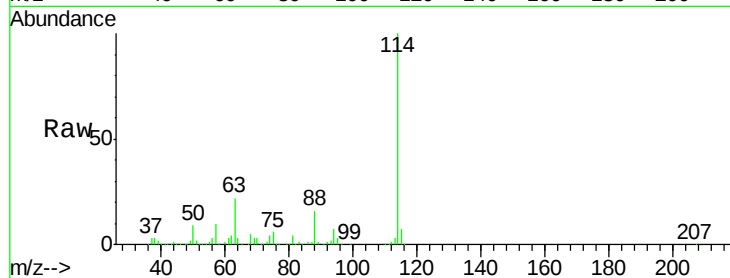
Tot Ion:114 Resp: 431081

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.2

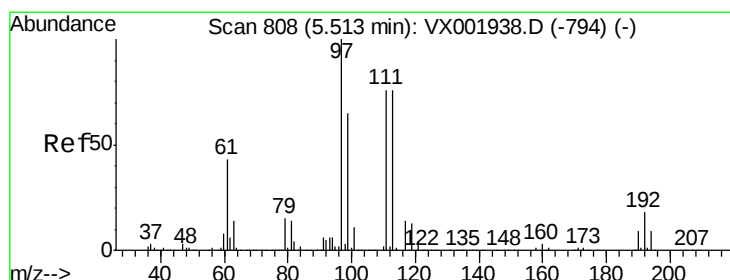
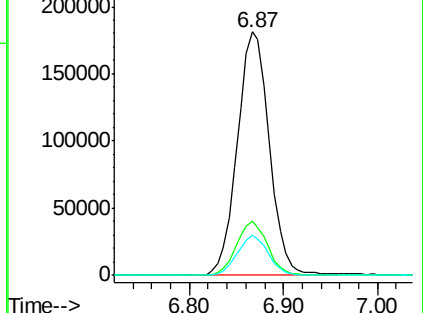
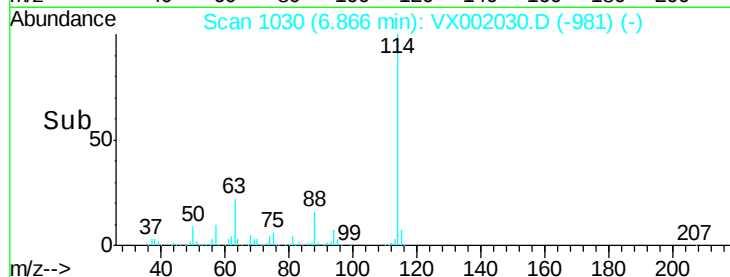
88 16.5 0.0 31.6



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: 47.65 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002030.D

Acq: 26 May 2018 20:19

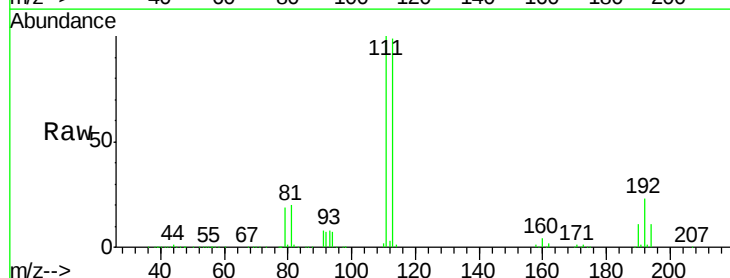
Tgt Ion:113 Resp: 205417

Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

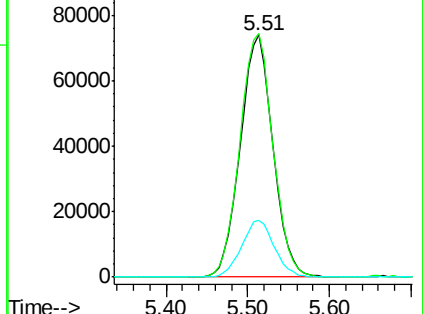
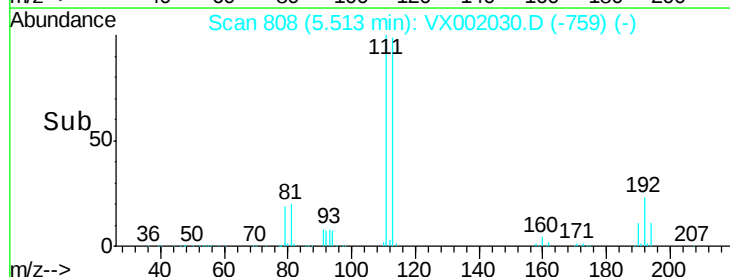
192 23.6 18.9 28.3

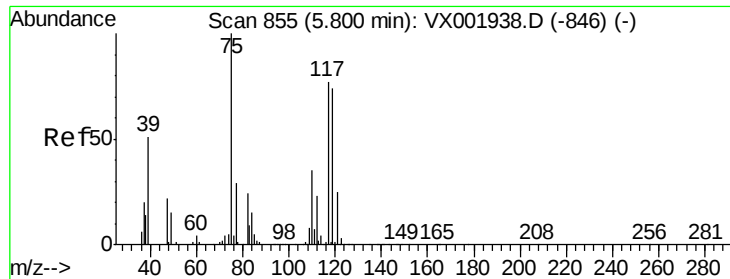


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

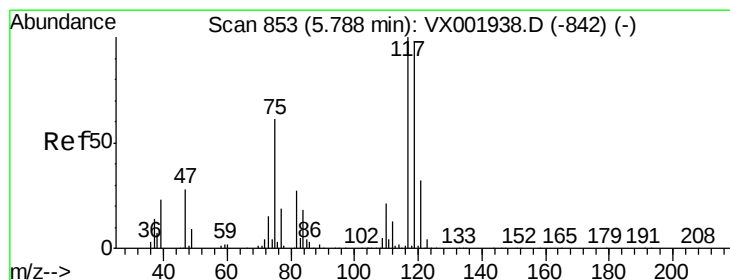
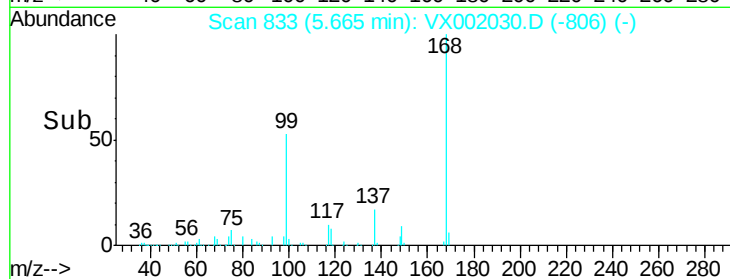
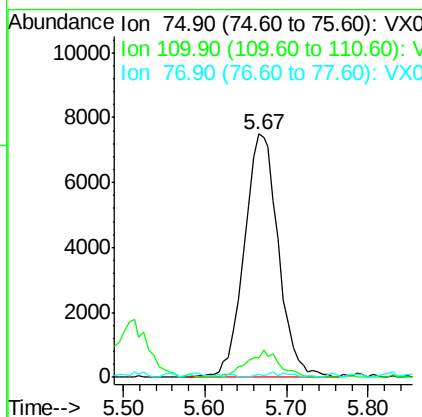
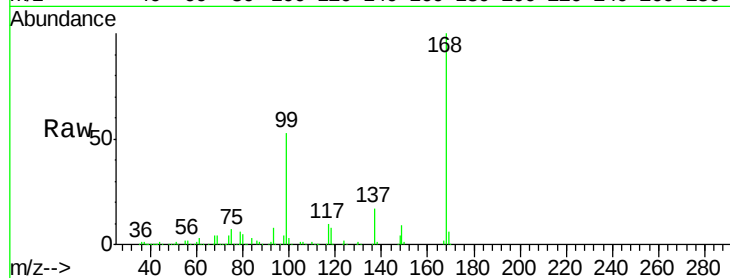




#36
 1,1-Dichloropropene
 Concen: 3.63 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002030.D
 Acq: 26 May 2018 20:19

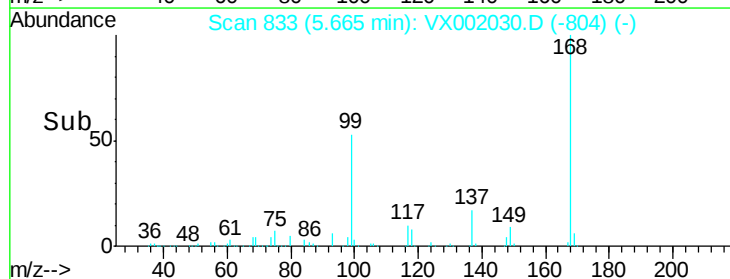
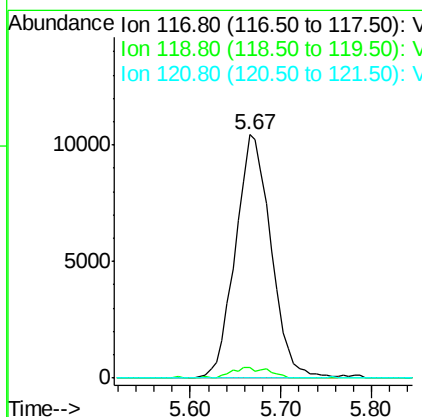
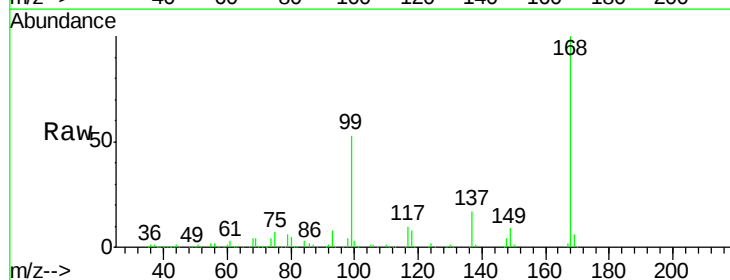
Instrument :
 MSVOA_X
 ClientSampleId :

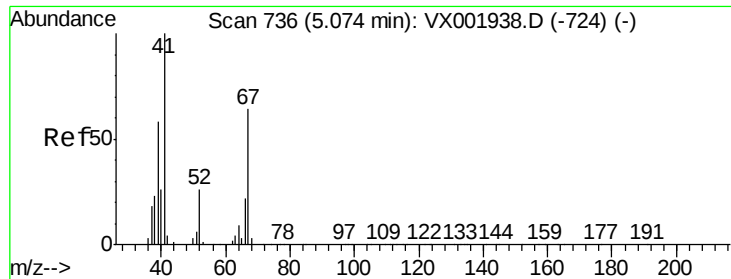
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	17.4	52.2#
77	1.4	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.07 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002030.D
 Acq: 26 May 2018 20:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	78.5	117.7#
121	0.0	25.5	38.3#





#41

Methacrylonitrile

Concen: Below Cal

RT: 5.07 min Scan# 735

Delta R.T. -0.01 min

Lab File: VX002030.D

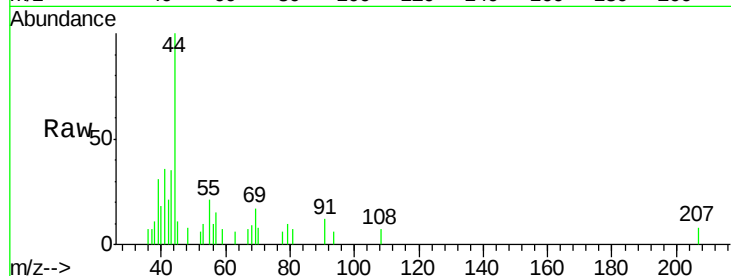
Acq: 26 May 2018 20:19

Instrument :

MSVOA_X

ClientSampled :

Tot Ion:	41	Resp:	142
Ion	Ratio	Lower	Upper
41	100		
39	90.1	46.0	69.0#
67	128.2	50.6	75.8#
52	28.2	21.9	32.9

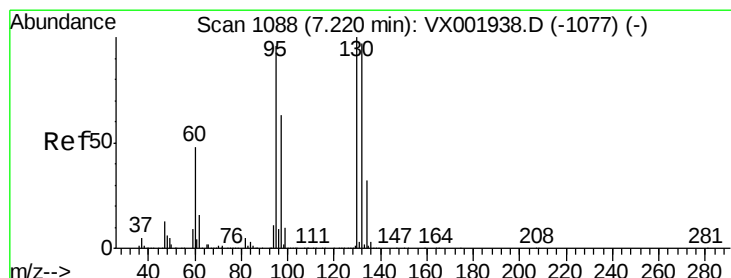
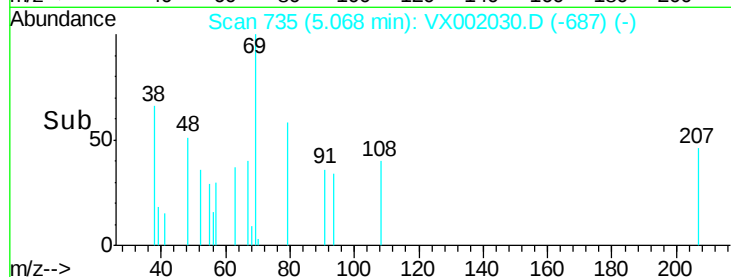
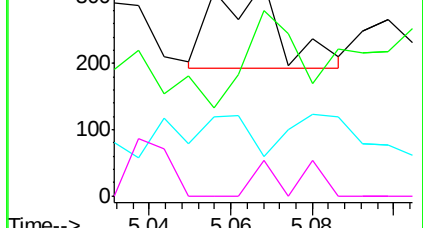


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 3.25 ug/l

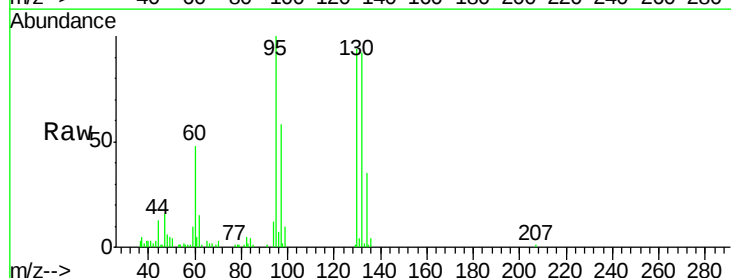
RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX002030.D

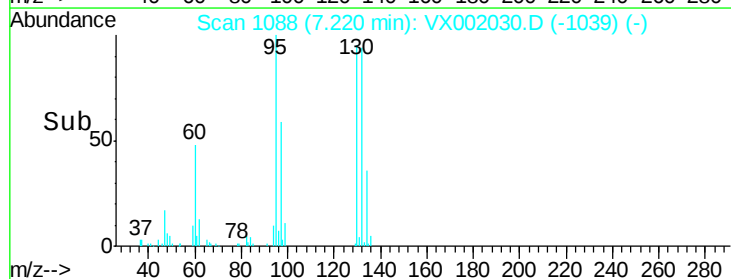
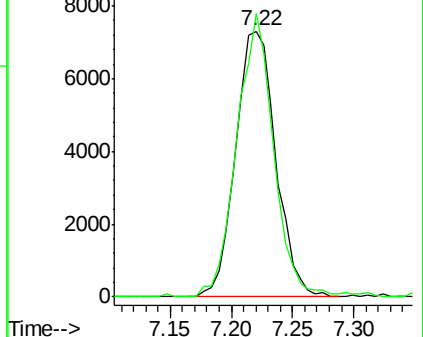
Acq: 26 May 2018 20:19

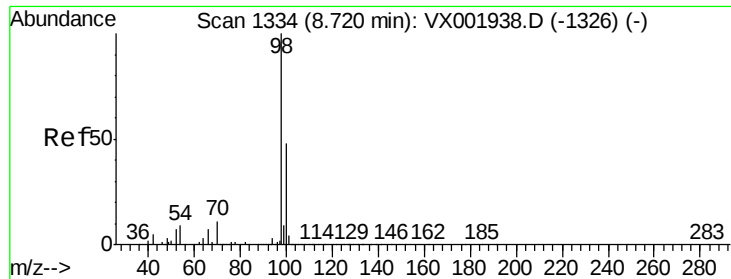
Tgt Ion:	130	Resp:	16650
Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

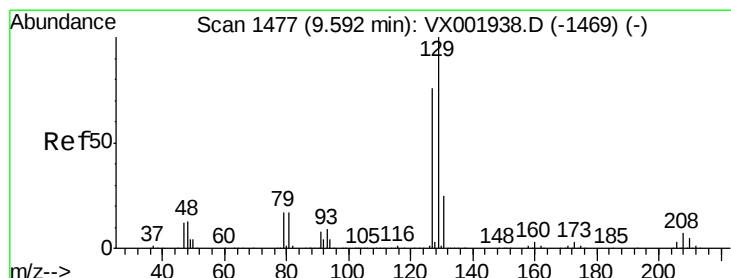
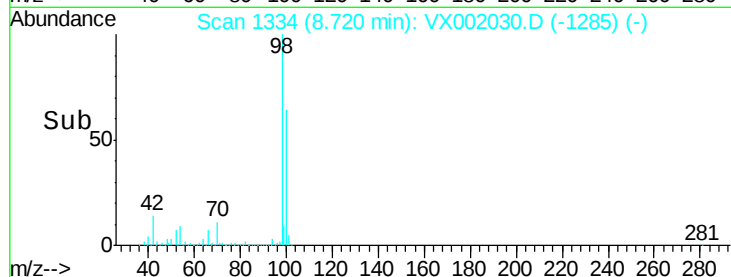
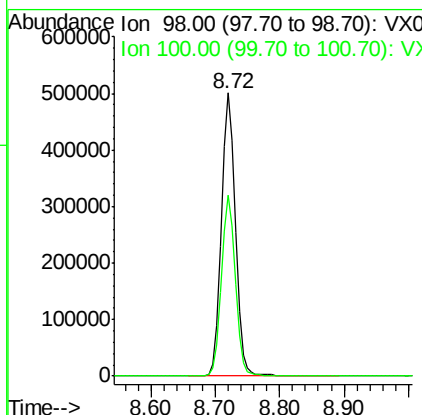
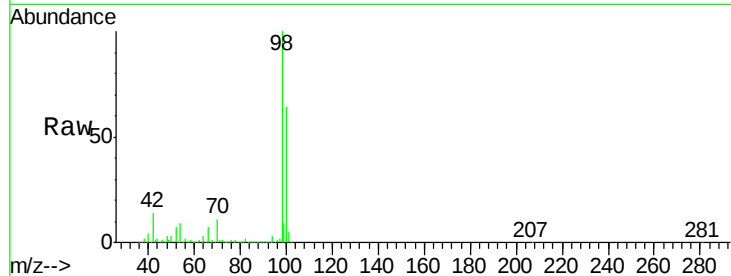




#50
Toluene-d8
Concen: 49.80 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002030.D
Acq: 26 May 2018 20:19

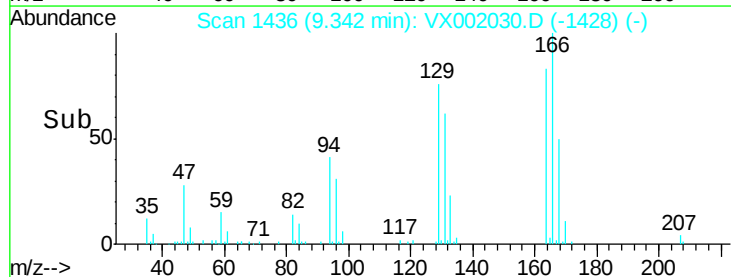
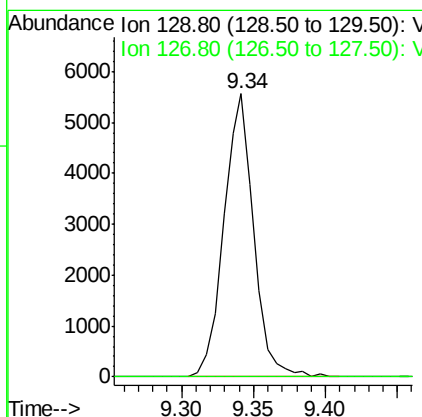
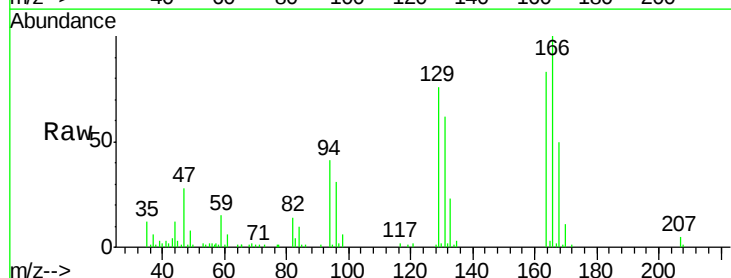
Instrument :
MSVOA_X
ClientSampleId :

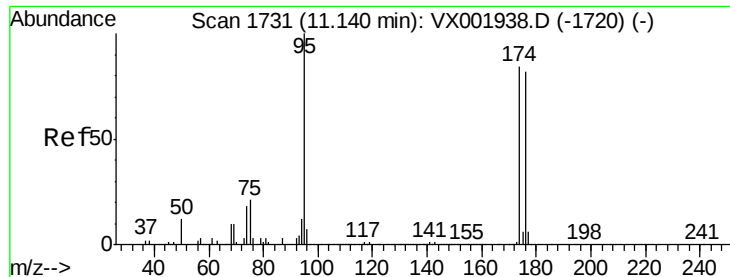
Tot Ion: 98 Resp: 777223
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3



#60
Dibromochloromethane
Concen: 1.45 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.25 min
Lab File: VX002030.D
Acq: 26 May 2018 20:19

Tgt Ion: 129 Resp: 8041
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#





#62

4-Bromofluorobenzene

Concen: 44.44 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002030.D

Acq: 26 May 2018 20:19

Instrument :

MSVOA_X

ClientSampleId :

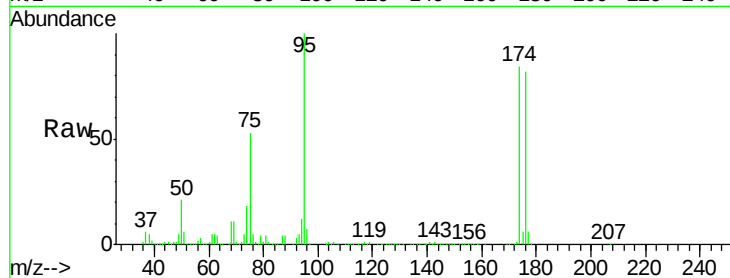
Tot Ion: 95 Resp: 271347

Ion Ratio Lower Upper

95 100

174 90.5 0.0 178.8

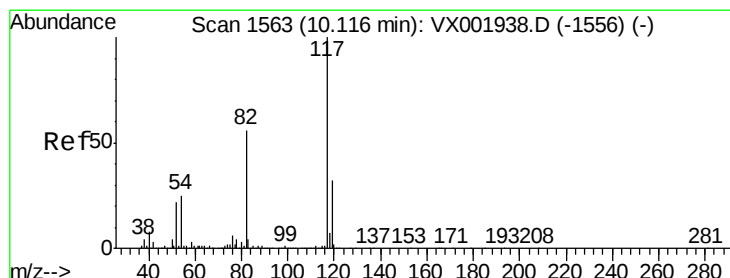
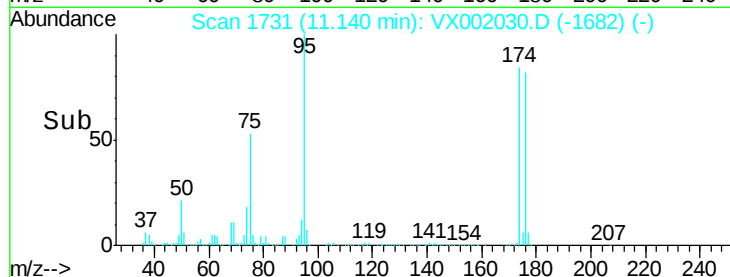
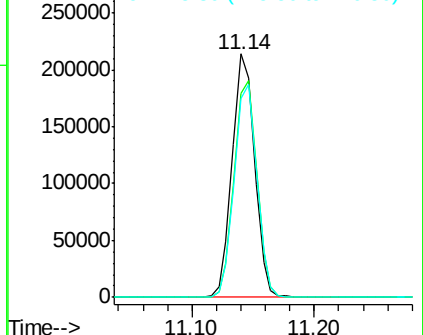
176 88.5 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002030.D

Acq: 26 May 2018 20:19

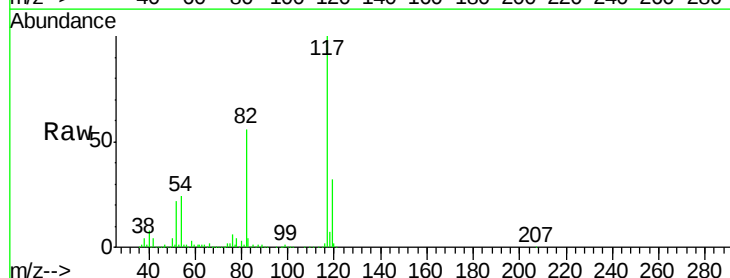
Tgt Ion: 117 Resp: 382722

Ion Ratio Lower Upper

117 100

82 56.2 44.8 67.2

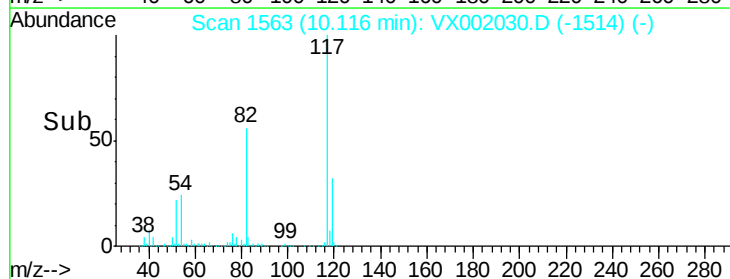
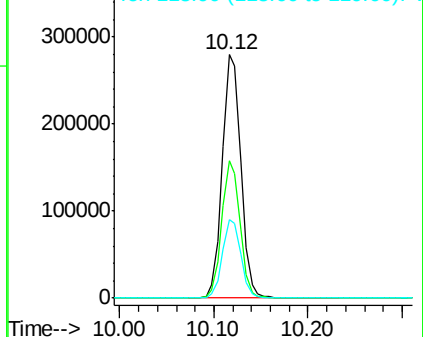
119 32.3 25.5 38.3

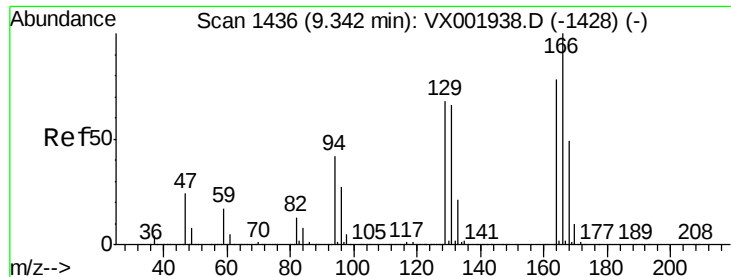


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

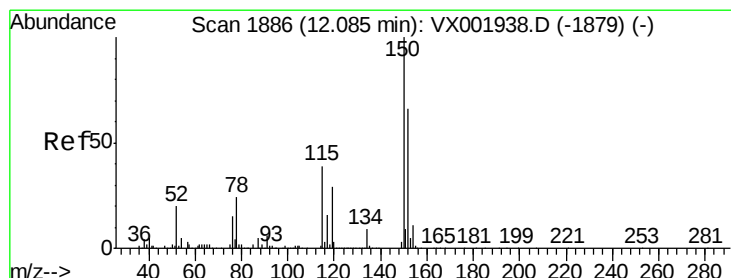
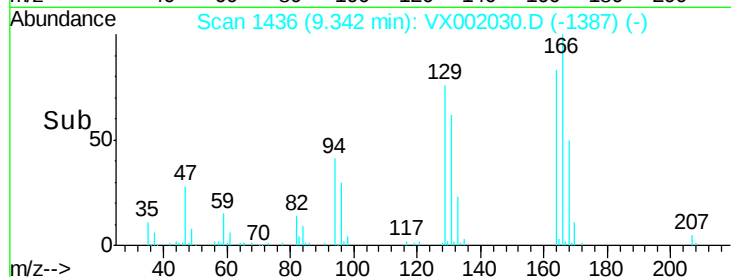
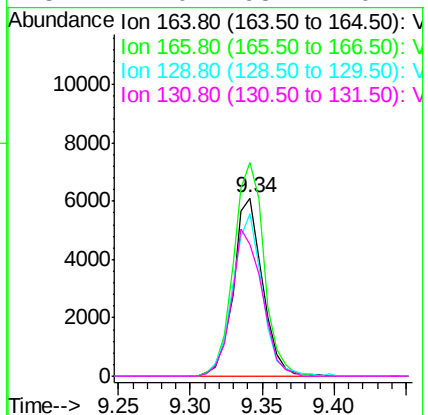
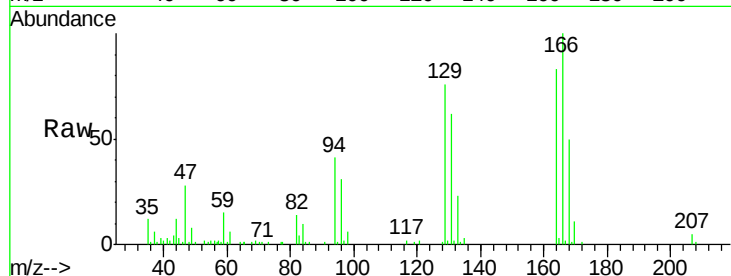




#64
Tetrachloroethene
Concen: 1.58 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002030.D
Acq: 26 May 2018 20:19

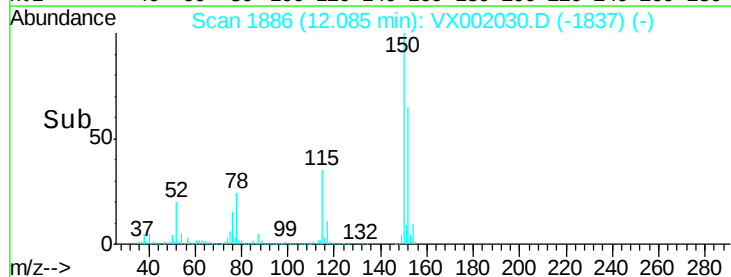
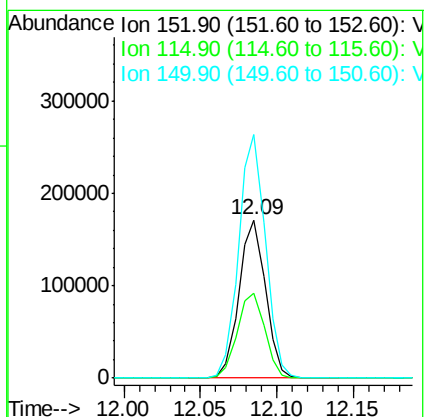
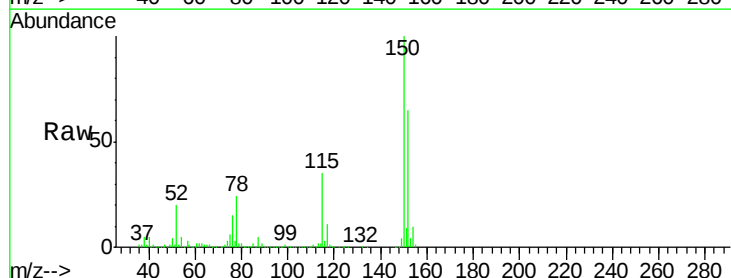
Instrument :
MSVOA_X
ClientSampleId :

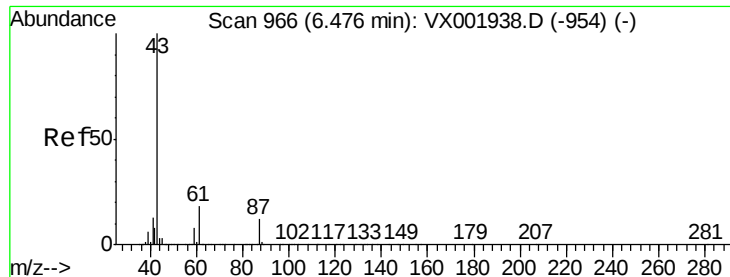
Tot Ion:164 Resp: 8646
Ion Ratio Lower Upper
164 100
166 120.0 102.7 154.1
129 91.2 70.3 105.5
131 74.0 68.2 102.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002030.D
Acq: 26 May 2018 20:19

Tgt Ion:152 Resp: 205071
Ion Ratio Lower Upper
152 100
115 56.1 42.3 126.8
150 155.7 0.0 351.0





#74

N-amvl acetate

Concen: Below Cal

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002030.D

Acq: 26 May 2018 20:19

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 198

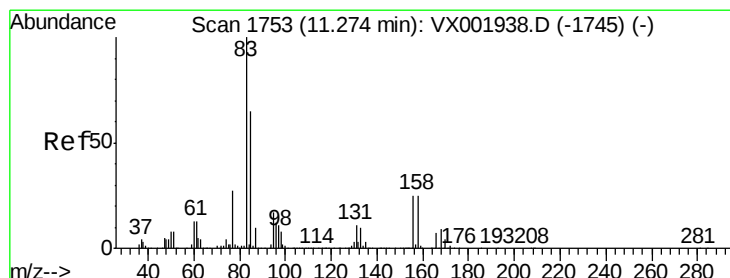
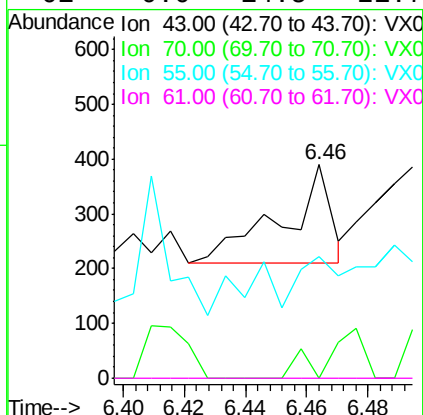
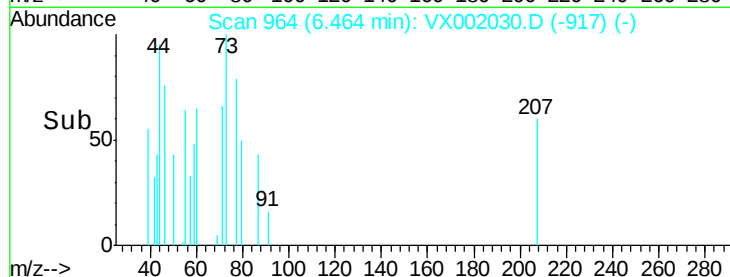
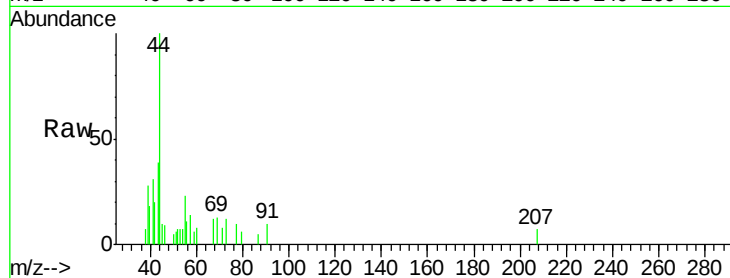
Ion Ratio Lower Upper

43 100

70 38.4 0.1 0.1#

55 40.9 0.1 0.1#

61 0.0 14.5 21.7#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.23 min Scan# 1745

Delta R.T. -0.05 min

Lab File: VX002030.D

Acq: 26 May 2018 20:19

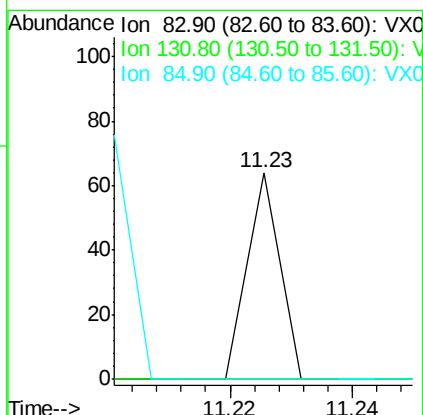
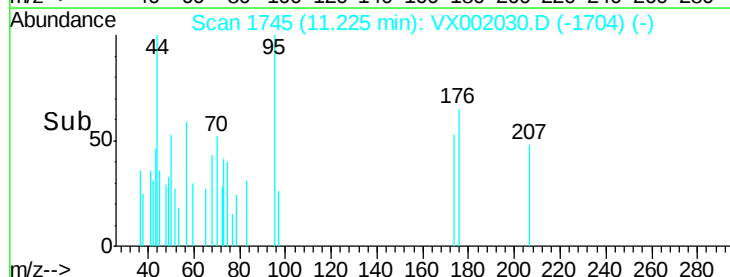
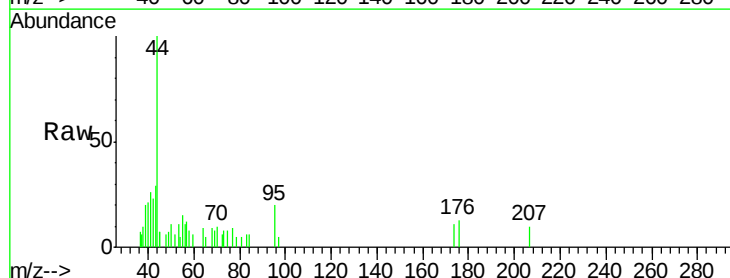
Tgt Ion: 83 Resp: 23

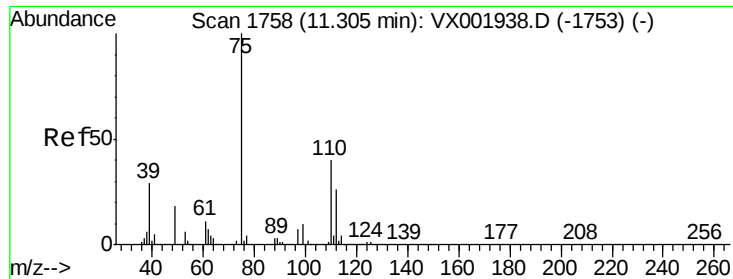
Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

85 0.0 32.6 97.7#





#76

1,2,3-Trichloropropane

Concen: 29.23 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002030.D

Acq: 26 May 2018 20:19

Instrument :

MSVOA_X

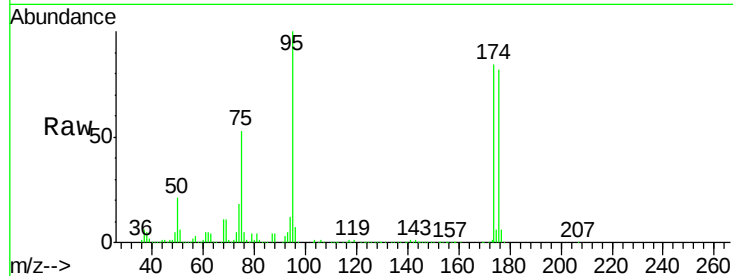
ClientSampleId :

Tot Ion: 75 Resp: 143999

Ion Ratio Lower Upper

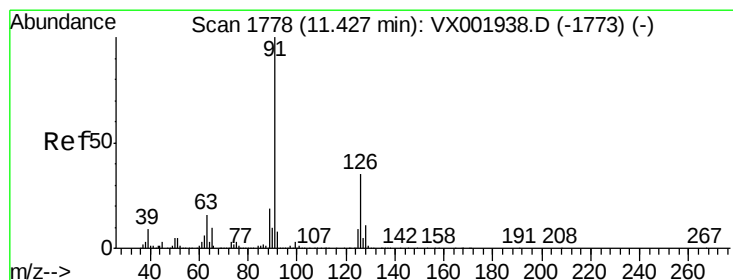
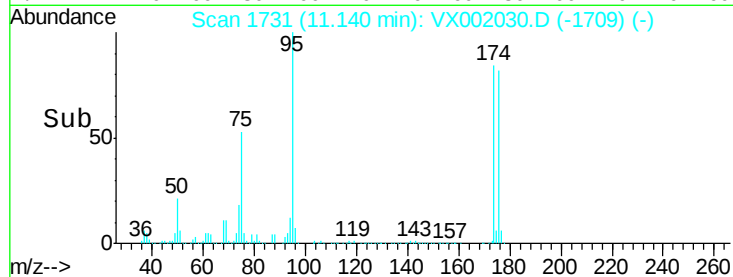
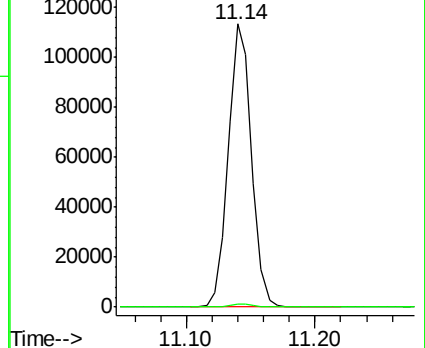
75 100

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: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002030.D

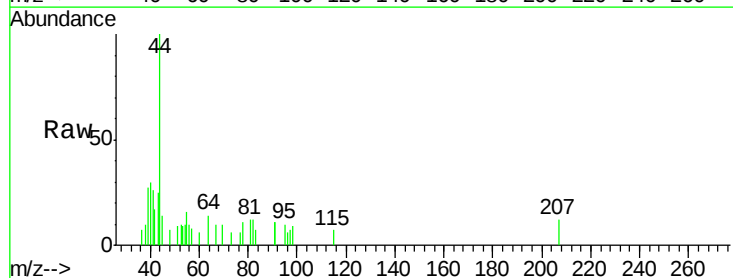
Acq: 26 May 2018 20:19

Tgt Ion: 91 Resp: 330

Ion Ratio Lower Upper

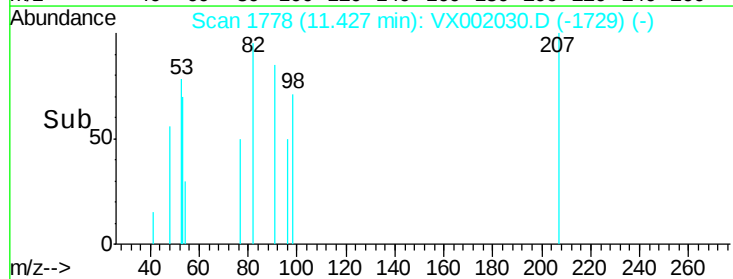
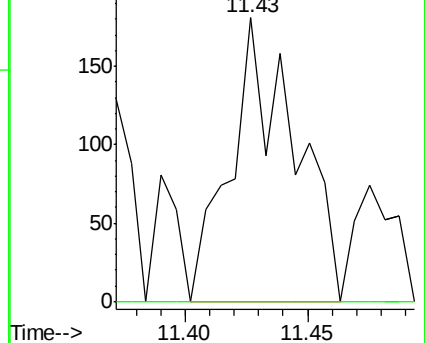
91 100

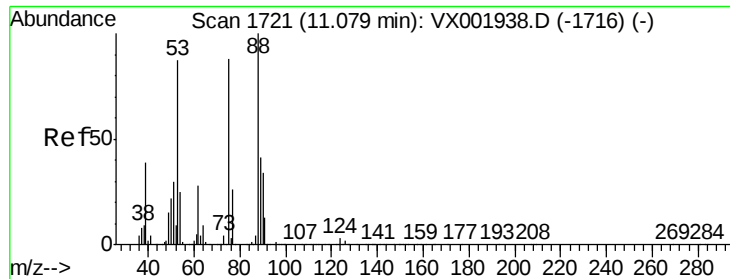
126 0.0 17.4 52.2#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 70.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002030.D

Acq: 26 May 2018 20:19

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 143999

Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 39.4 59.2#

