

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010719\
 Data File : VX006932.D
 Acq On : 07 Jan 2019 13:42
 Operator : JC/MD
 Sample : PB116189ZHE#02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 08 06:32:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	631626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	968411	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	915246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	457149	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	332063	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
35) Dibromofluoromethane	5.51	113	294726	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	8.71	98	1165167	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.13	95	417750	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	

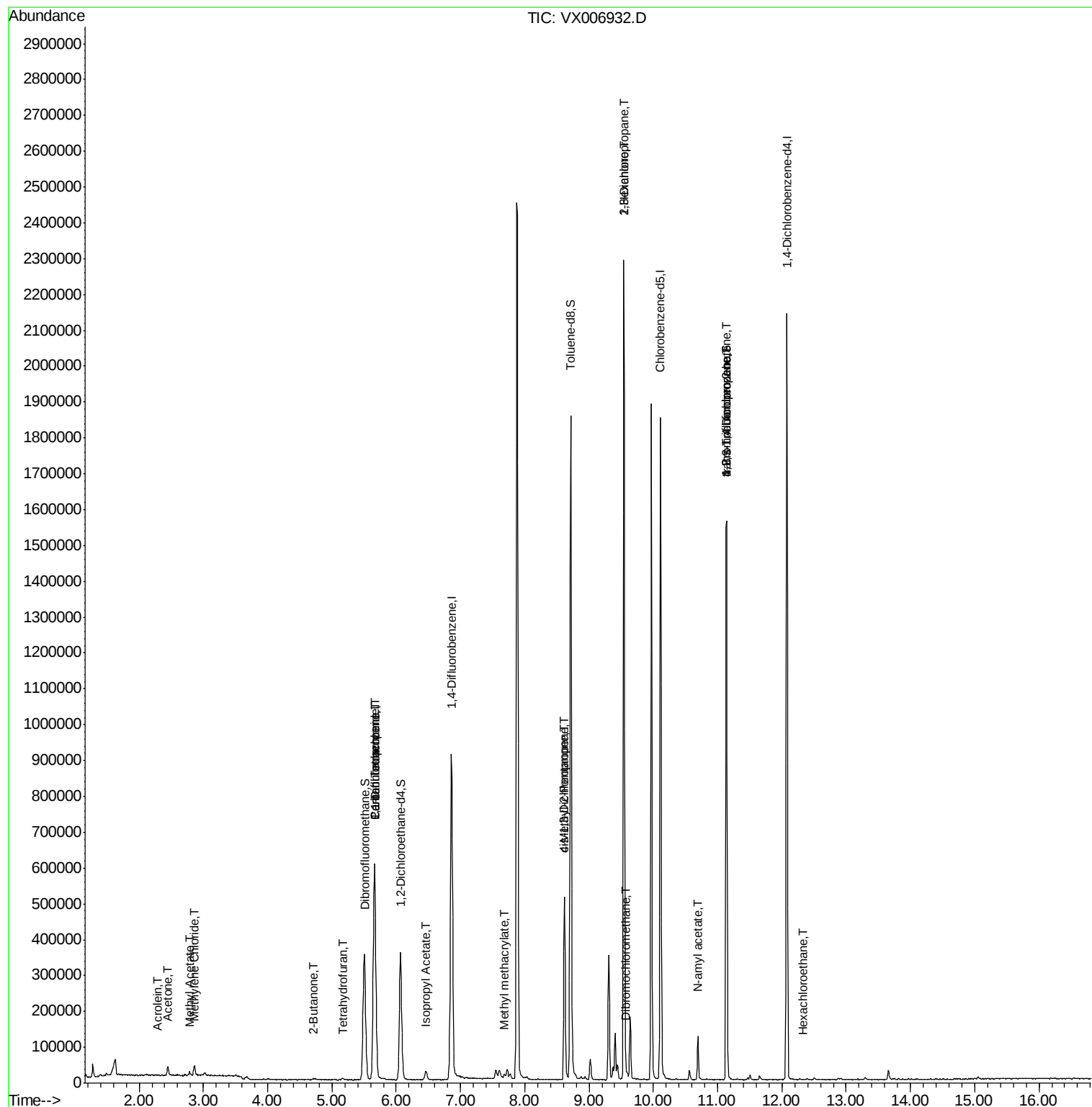
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1221	Below Cal	#	54
13) Acrolein	2.29	56	234	0.228	ug/l #	1
16) Acetone	2.45	43	31052	9.929	ug/l	97
18) Methyl Acetate	2.78	43	10795	1.174	ug/l	96
20) Methylene Chloride	2.86	84	13793	2.133	ug/l	96
25) 2-Butanone	4.71	43	5822	1.323	ug/l	93
28) Bromochloromethane	5.04	49	158	Below Cal	#	36
29) Tetrahydrofuran	5.17	42	3057	1.055	ug/l #	85
36) 1,1-Dichloropropene	5.67	75	39224	4.890	ug/l #	39
38) Carbon Tetrachloride	5.67	117	56180	7.207	ug/l #	14
43) Isopropyl Acetate	6.46	43	32558	2.563	ug/l	99
48) Methyl methacrylate	7.68	41	14868	2.302	ug/l #	12
49) 1,4-Dioxane	7.76	88	140	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.62	43	165807	20.516	ug/l #	48
54) cis-1,3-Dichloropropene	8.62	75	86370	10.130	ug/l #	62
57) 1,3-Dichloropropane	9.54	76	19726	1.902	ug/l #	43
59) 2-Hexanone	9.54	43	253698	41.028	ug/l #	51
60) Dibromochloromethane	9.58	129	99	2.338	ug/l	74
74) N-amyl acetate	10.69	43	26007	2.323	ug/l #	55
76) 1,2,3-Trichloropropane	11.13	75	200767	23.631	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	200767	70.062	ug/l #	10
90) Hexachloroethane	12.32	117	28	3.299	ug/l	80

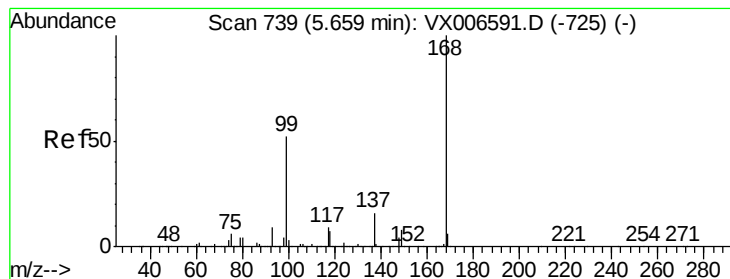
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006932.D

Acq: 07 Jan 2019 13:42

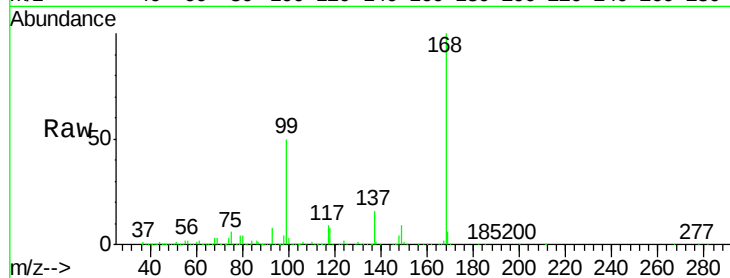
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 631626

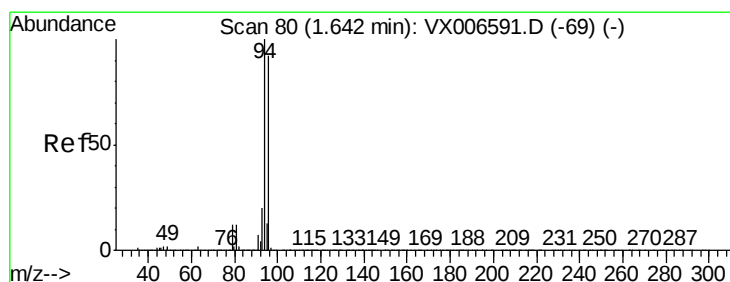
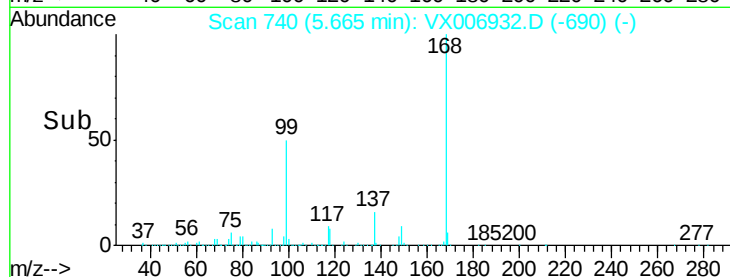
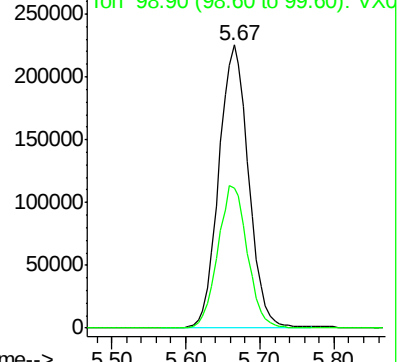
Ion Ratio Lower Upper

168 100

99 49.5 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006932.D

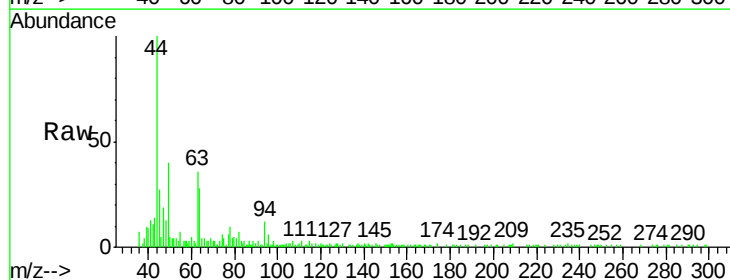
Acq: 07 Jan 2019 13:42

Tgt Ion: 94 Resp: 1221

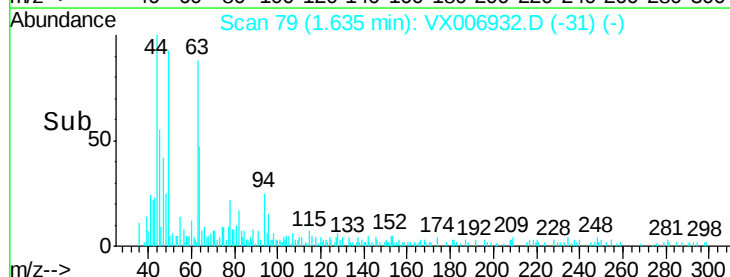
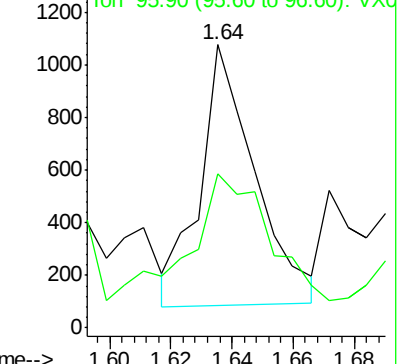
Ion Ratio Lower Upper

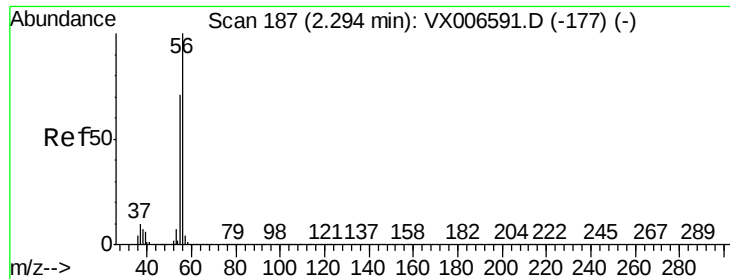
94 100

96 48.1 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

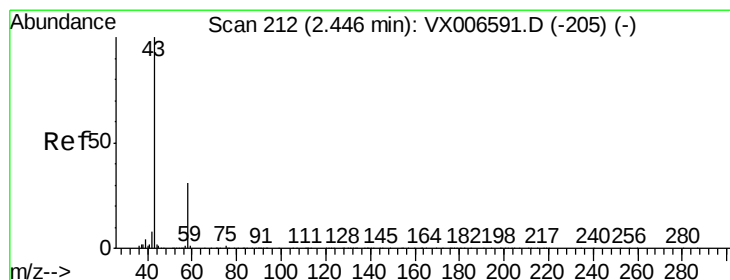
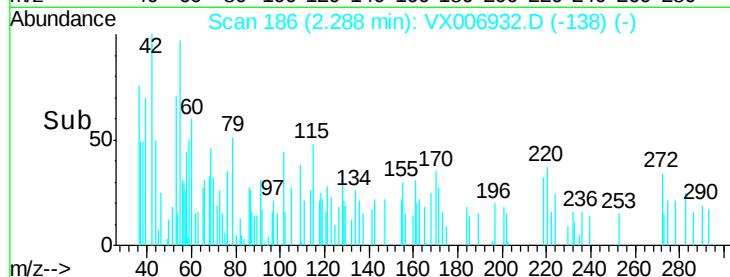
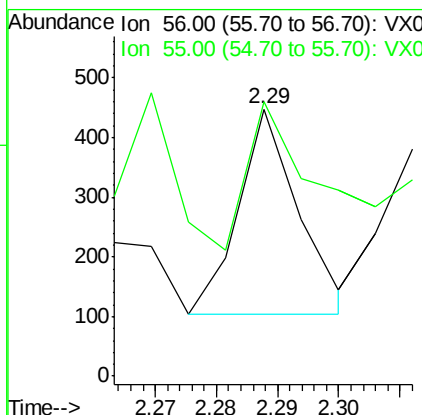
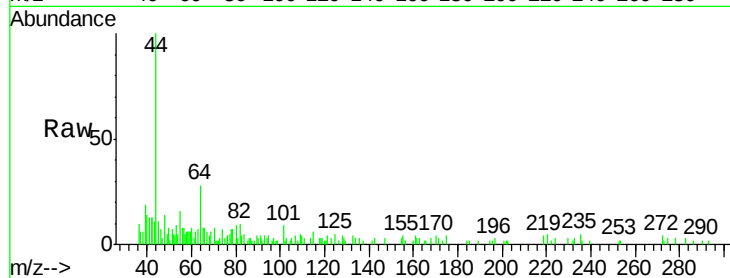




#13
Acrolein
Concen: 0.228 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX006932.D
Acq: 07 Jan 2019 13:42

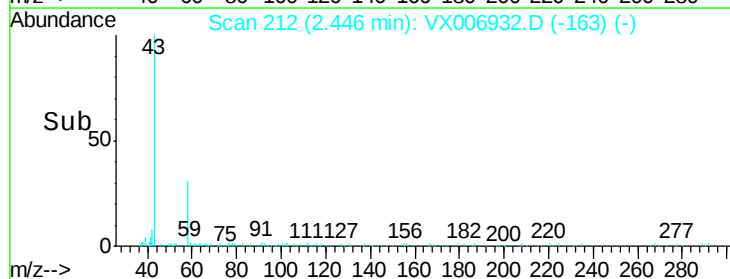
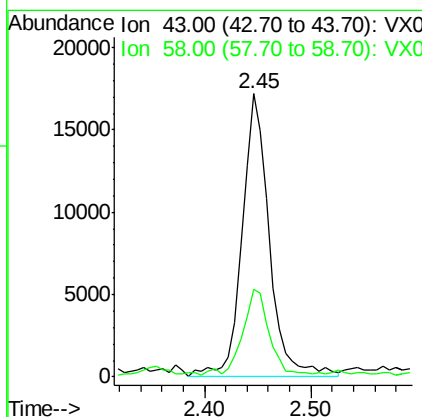
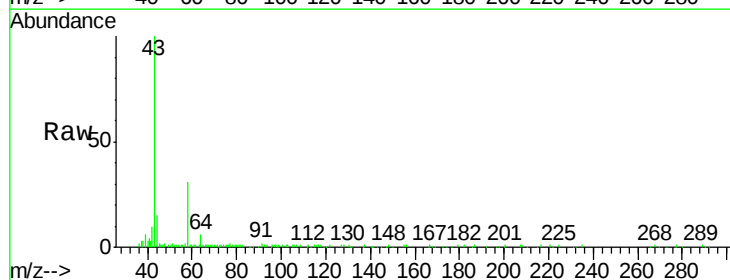
Instrument :
MSVOA_X
ClientSampleId :

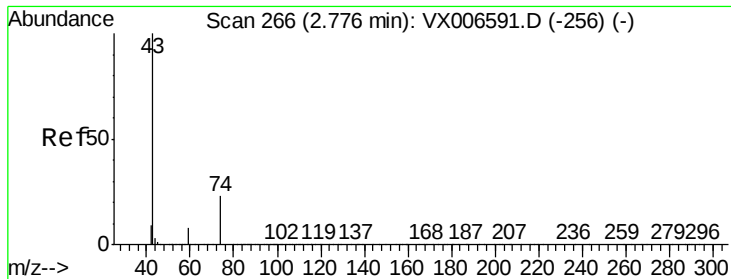
Tot Ion: 56 Resp: 234
Ion Ratio Lower Upper
56 100
55 157.7 58.2 87.4#



#16
Acetone
Concen: 9.929 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006932.D
Acq: 07 Jan 2019 13:42

Tgt Ion: 43 Resp: 31052
Ion Ratio Lower Upper
43 100
58 29.5 25.0 37.6

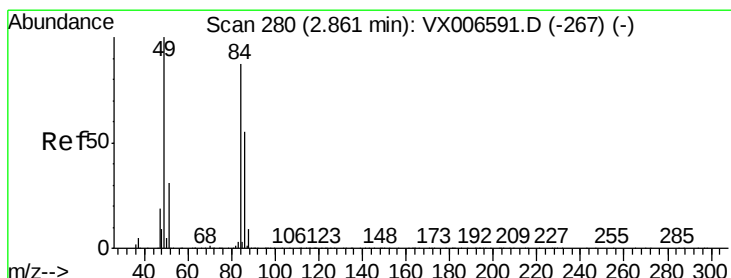
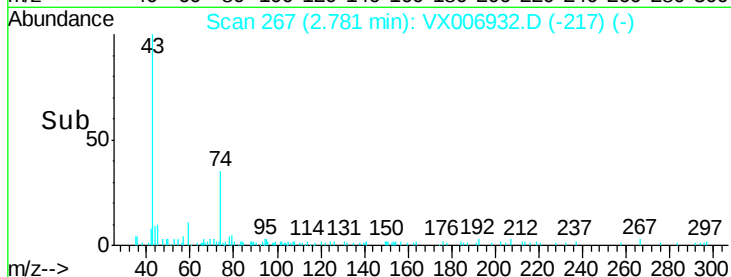
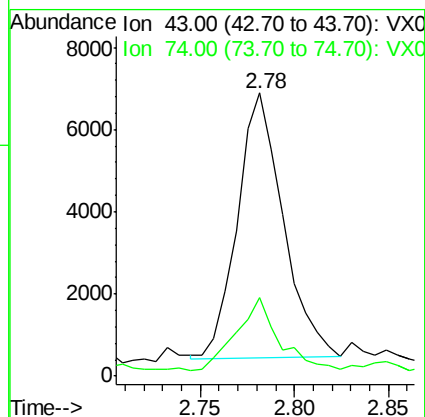
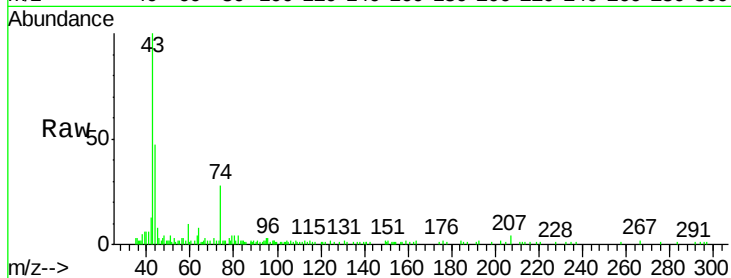




#18
Methyl Acetate
Concen: 1.174 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006932.D
Acq: 07 Jan 2019 13:42

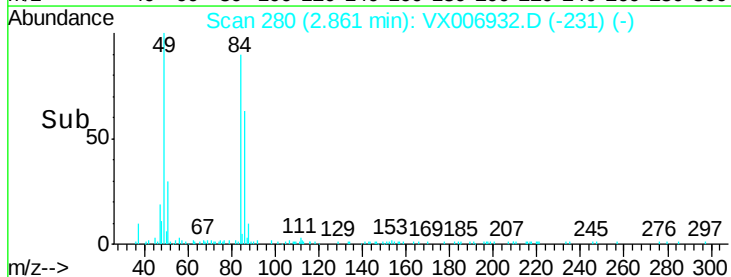
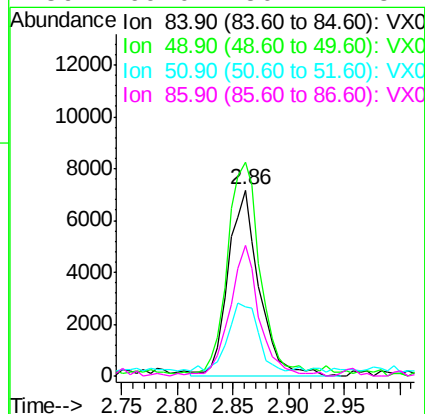
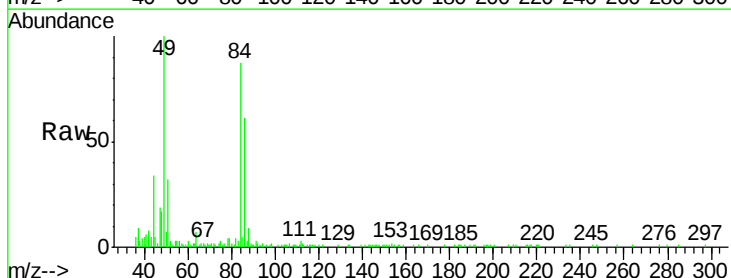
Instrument :
MSVOA_X
ClientSampleId :

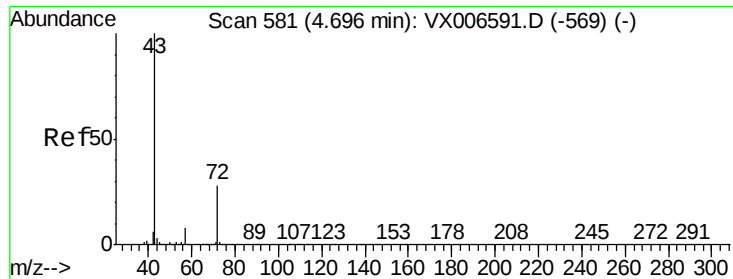
Tot Ion: 43 Resp: 10795
Ion Ratio Lower Upper
43 100
74 25.3 18.6 28.0



#20
Methylene Chloride
Concen: 2.133 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006932.D
Acq: 07 Jan 2019 13:42

Tgt Ion: 84 Resp: 13793
Ion Ratio Lower Upper
84 100
49 113.1 91.8 137.6
51 33.8 28.5 42.7
86 69.0 50.2 75.2





#25

2-Butanone

Concen: 1.323 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.02 min

Lab File: VX006932.D

Acq: 07 Jan 2019 13:42

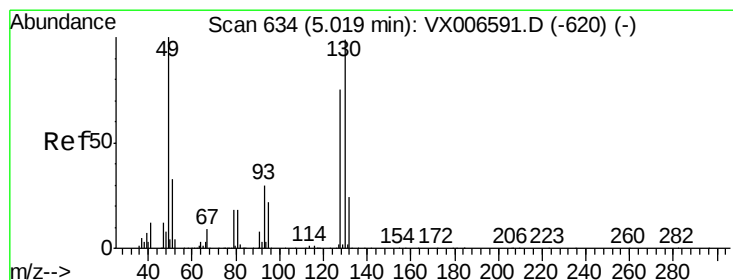
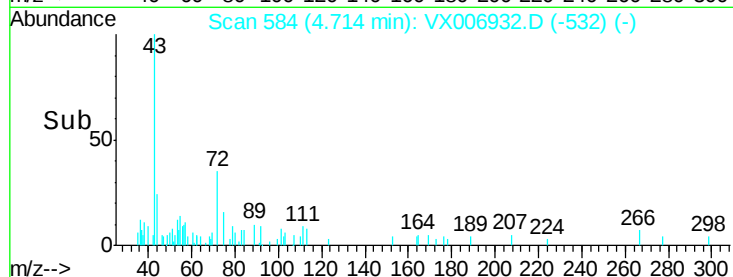
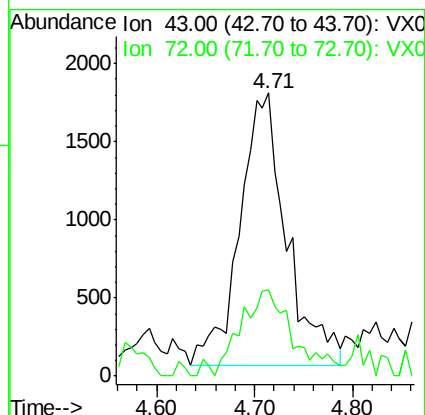
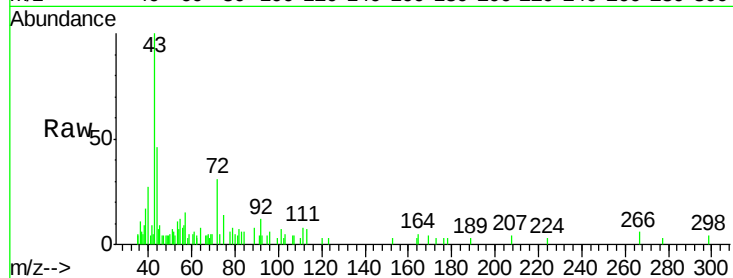
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 5822

Ion Ratio Lower Upper

43 100

72 31.8 22.4 33.6



#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

Delta R.T. 0.02 min

Lab File: VX006932.D

Acq: 07 Jan 2019 13:42

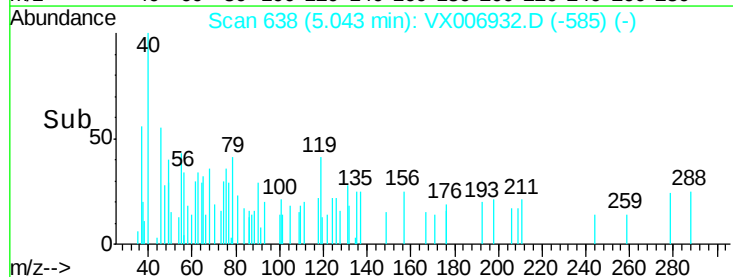
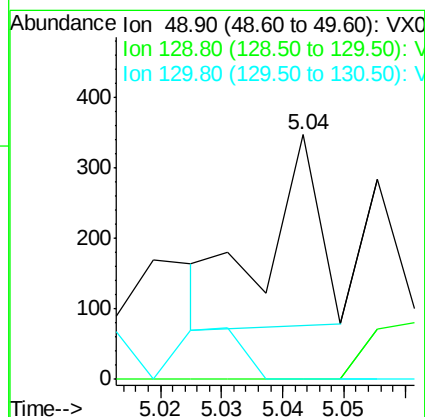
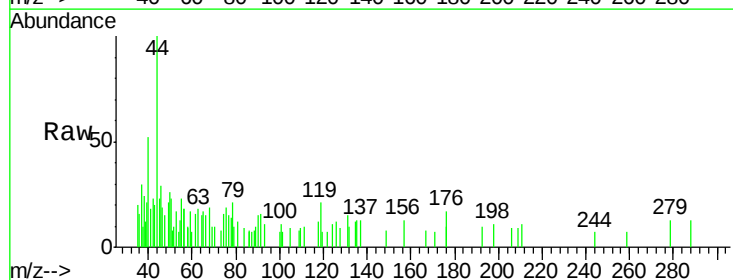
Tgt Ion: 49 Resp: 158

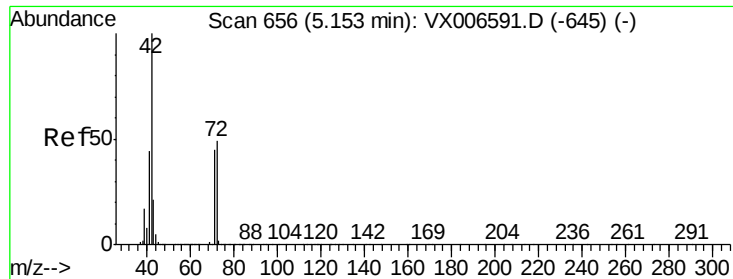
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

130 32.3 77.7 116.5#

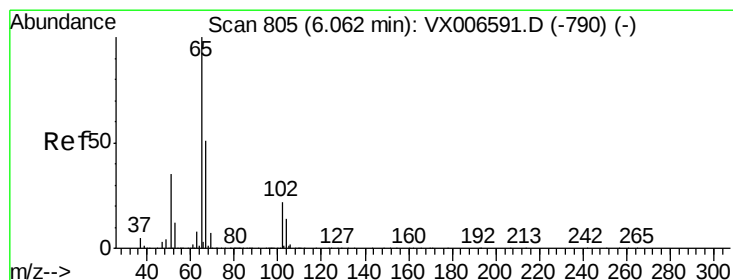
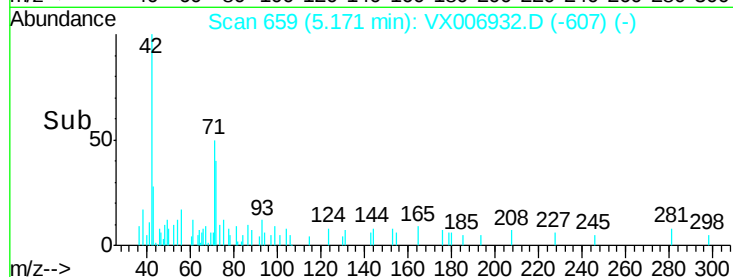
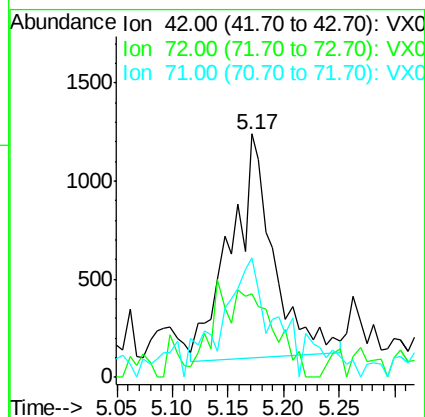
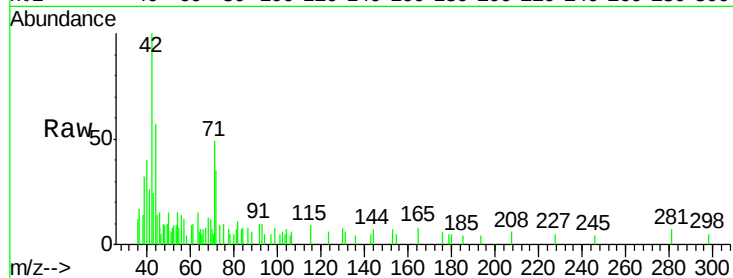




#29
Tetrahydrofuran
Concen: 1.055 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX006932.D
Acq: 07 Jan 2019 13:42

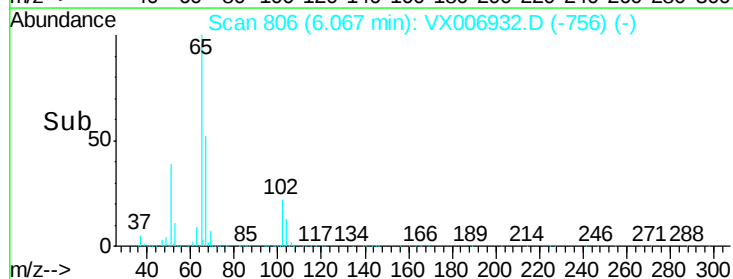
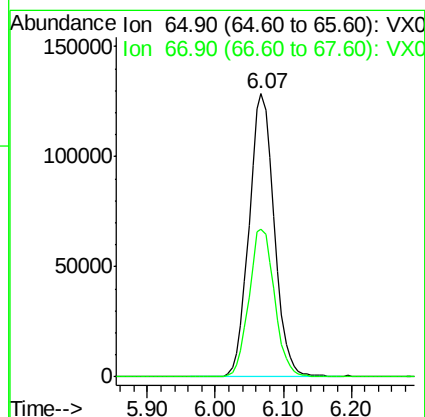
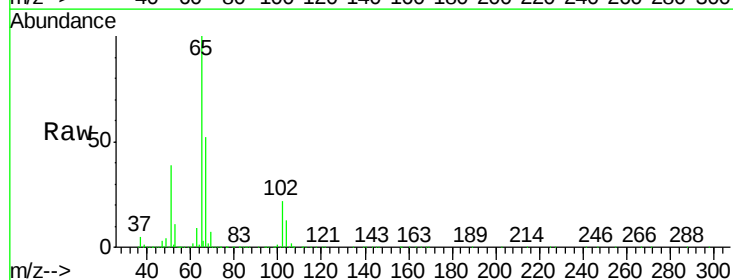
Instrument :
MSVOA_X
ClientSampleId :

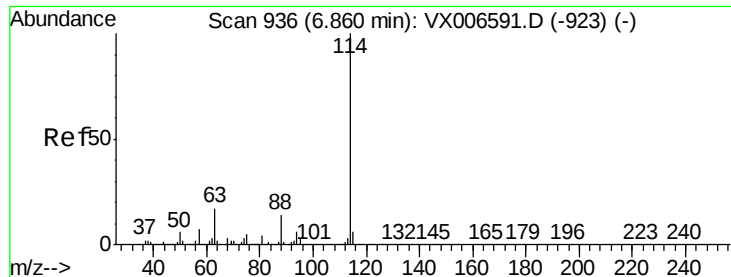
Tot Ion: 42 Resp: 3057
Ion Ratio Lower Upper
42 100
72 34.5 38.9 58.3#
71 51.1 36.2 54.4



#33
1,2-Dichloroethane-d4
Concen: 48.780 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006932.D
Acq: 07 Jan 2019 13:42

Tgt Ion: 65 Resp: 332063
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006932.D

Acq: 07 Jan 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

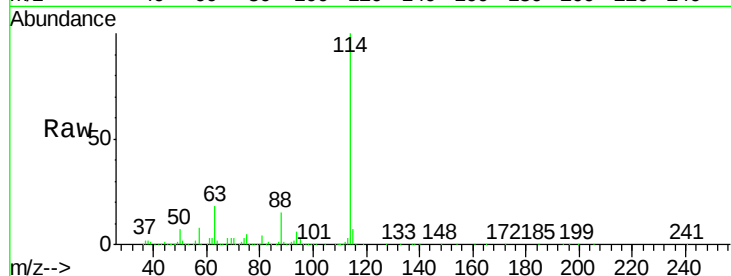
Tot Ion:114 Resp: 968411

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

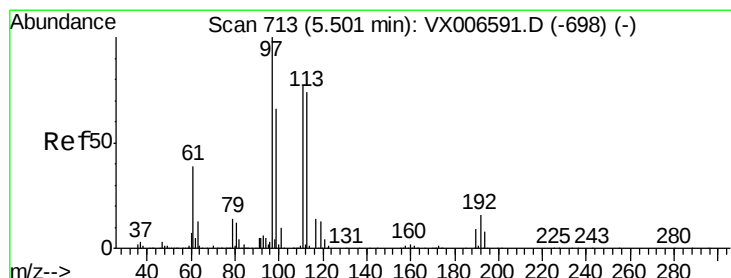
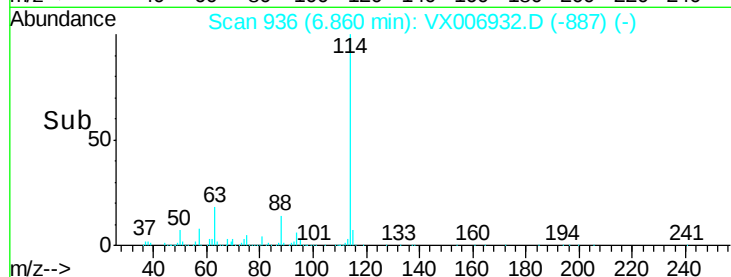
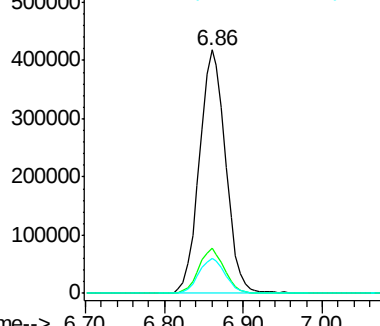
88 14.5 0.0 28.8



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: 48.126 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006932.D

Acq: 07 Jan 2019 13:42

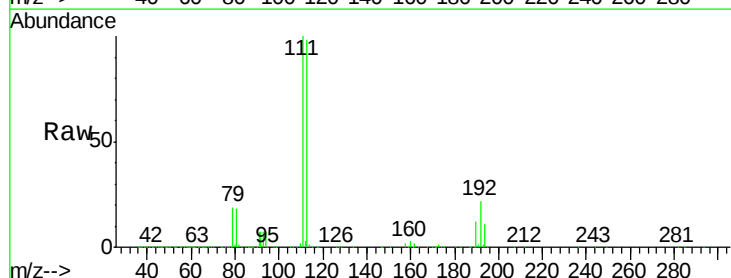
Tgt Ion:113 Resp: 294726

Ion Ratio Lower Upper

113 100

111 103.4 81.6 122.4

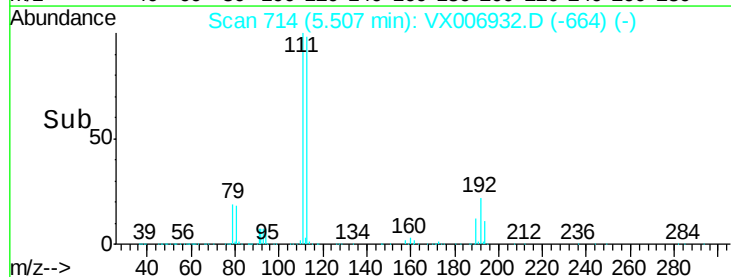
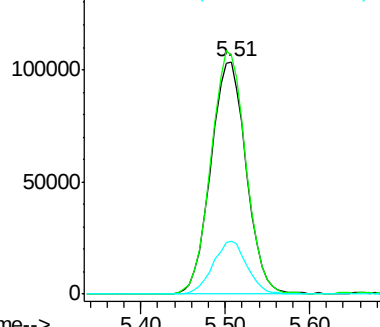
192 22.1 16.7 25.1

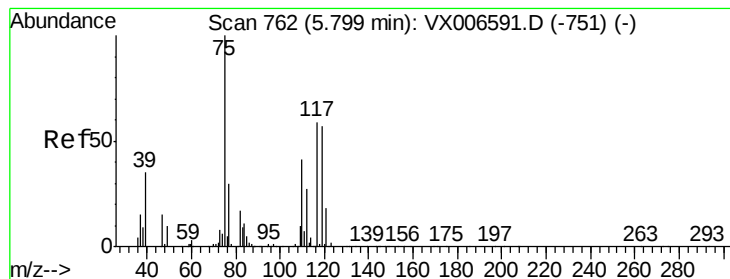


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.890 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006932.D

Acq: 07 Jan 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

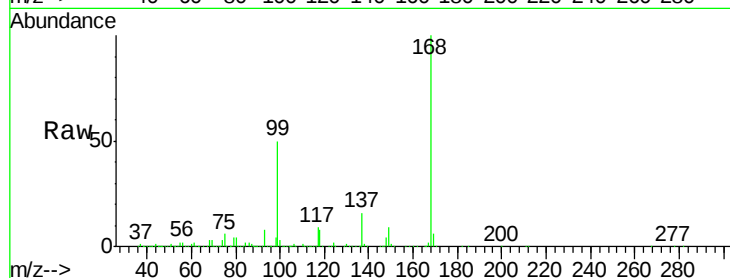
Tot Ion: 75 Resp: 39224

Ion Ratio Lower Upper

75 100

110 0.0 20.2 60.5#

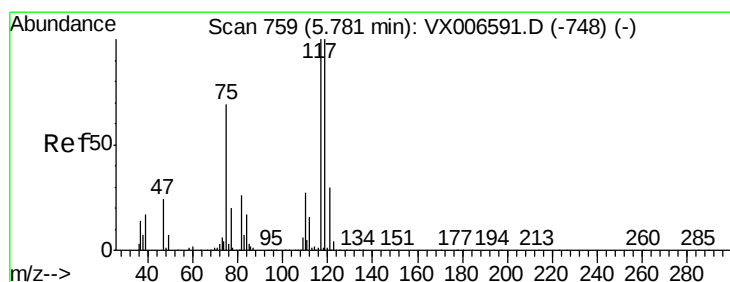
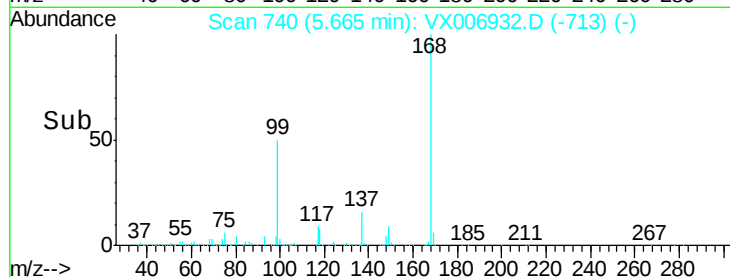
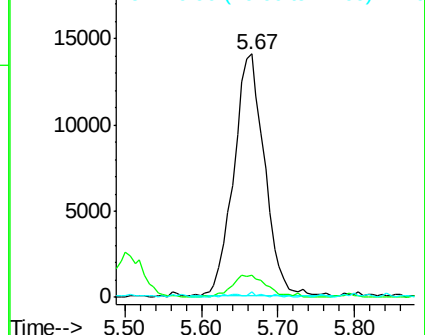
77 0.5 24.8 37.2#



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: 7.207 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006932.D

Acq: 07 Jan 2019 13:42

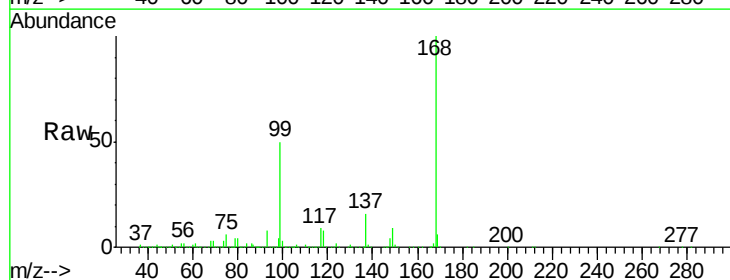
Tgt Ion: 117 Resp: 56180

Ion Ratio Lower Upper

117 100

119 4.9 79.4 119.2#

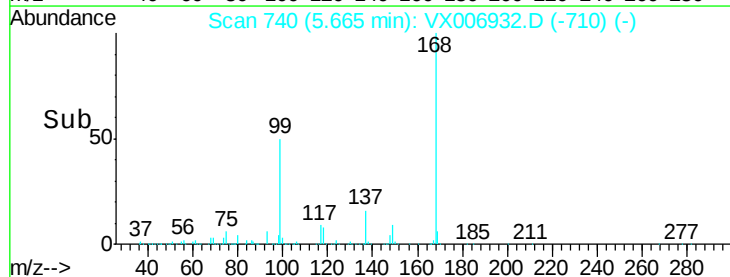
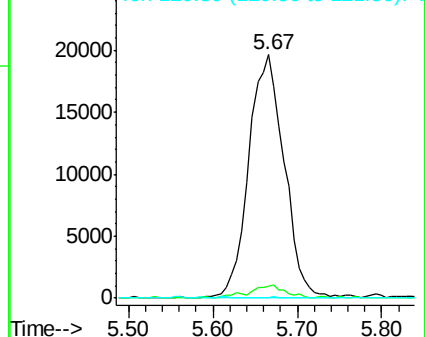
121 0.0 24.0 36.0#

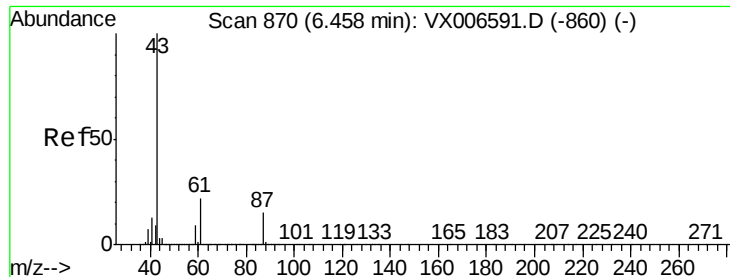


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



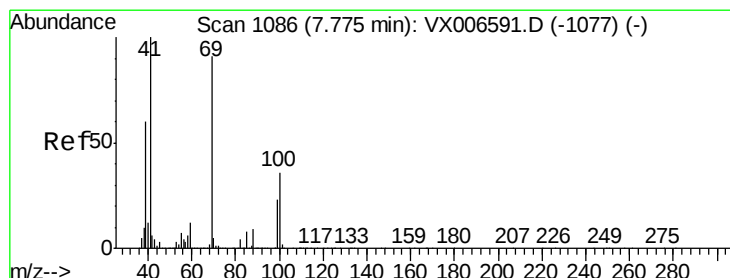
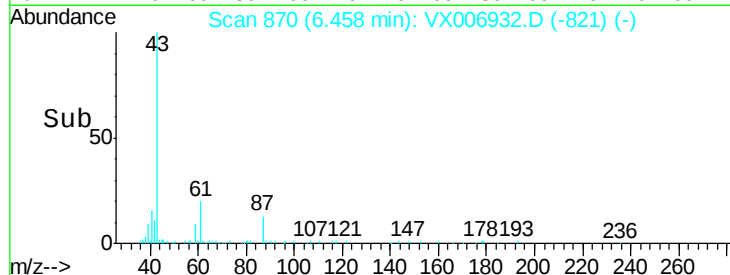
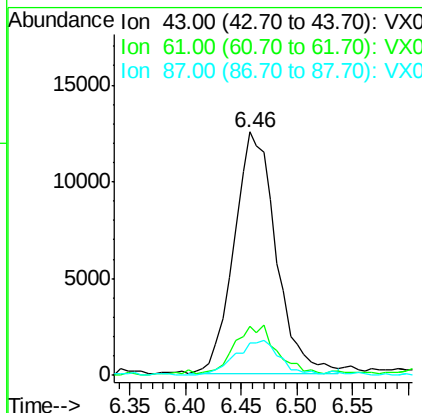
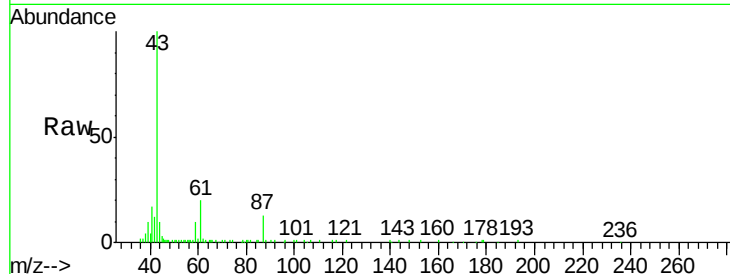


#43

Isopropyl Acetate
 Concen: 2.563 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006932.D
 Acq: 07 Jan 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :

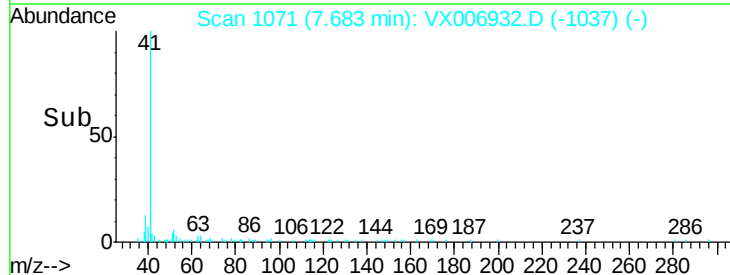
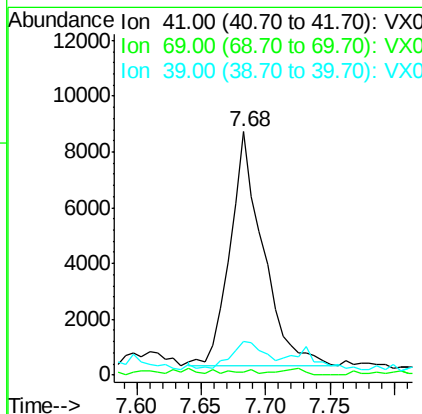
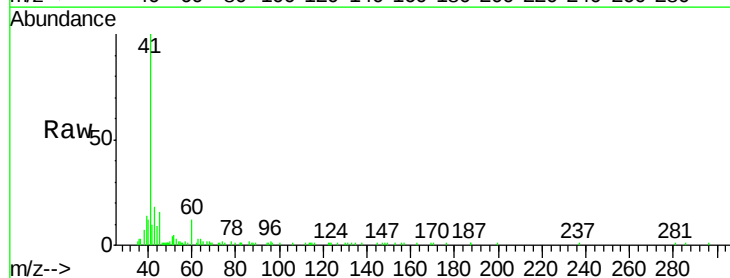
Tot Ion	43	Resp	32558
Ion Ratio	Lower	Upper	
43	100		
61	20.6	16.8	25.2
87	15.6	12.4	18.6

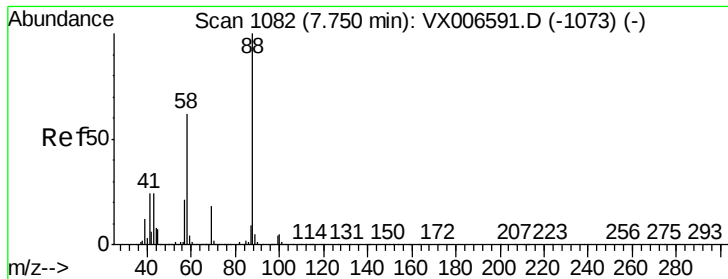


#48

Methyl methacrylate
 Concen: 2.302 ug/l
 RT: 7.68 min Scan# 1071
 Delta R.T. -0.09 min
 Lab File: VX006932.D
 Acq: 07 Jan 2019 13:42

Tgt Ion	41	Resp	14868
Ion Ratio	Lower	Upper	
41	100		
69	1.0	72.4	108.6#
39	0.0	45.8	68.8#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX006932.D

Acq: 07 Jan 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

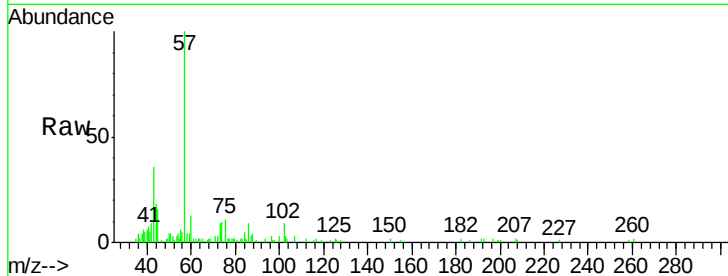
Tot Ion: 88 Resp: 140

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

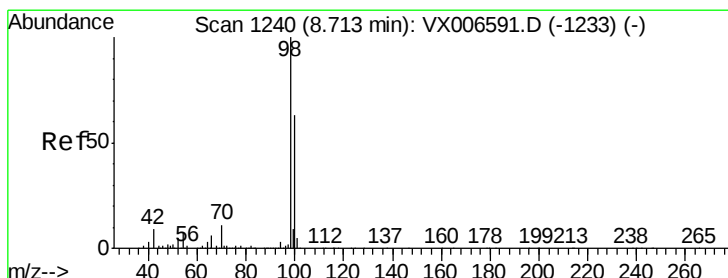
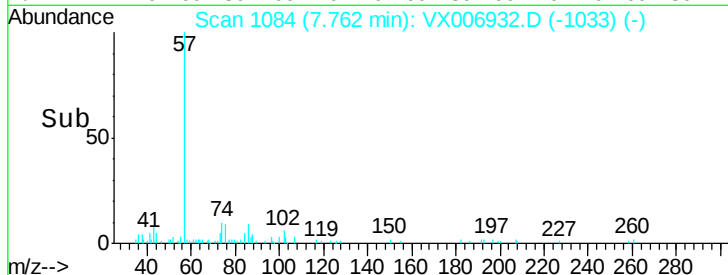
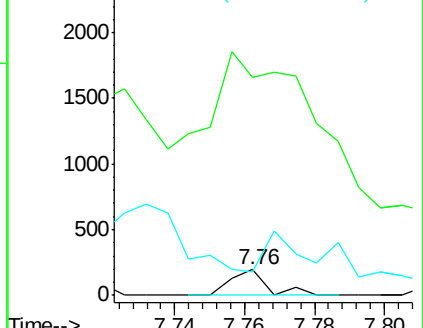
58 317.1 51.0 76.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.467 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006932.D

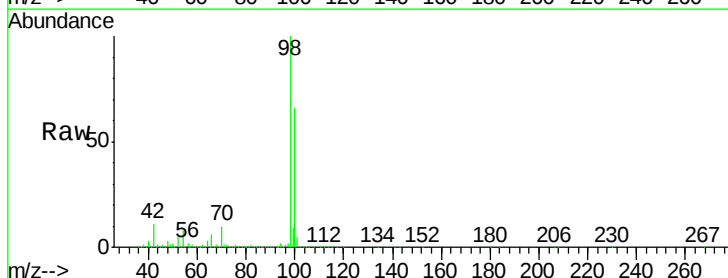
Acq: 07 Jan 2019 13:42

Tgt Ion: 98 Resp: 1165167

Ion Ratio Lower Upper

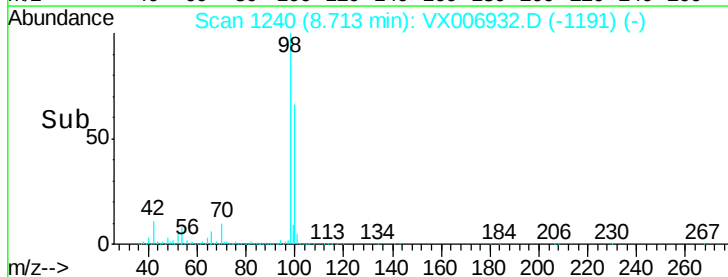
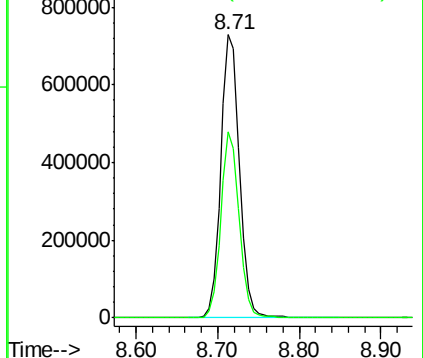
98 100

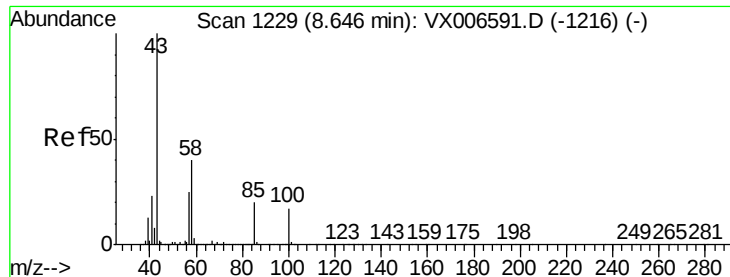
100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 20.516 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX006932.D

Acq: 07 Jan 2019 13:42

Instrument :

MSVOA_X

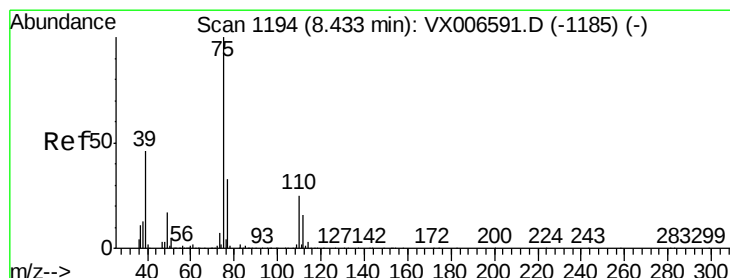
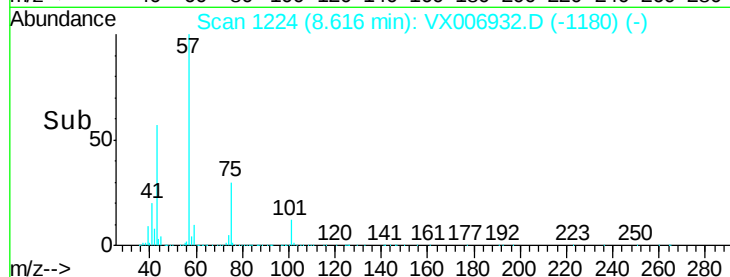
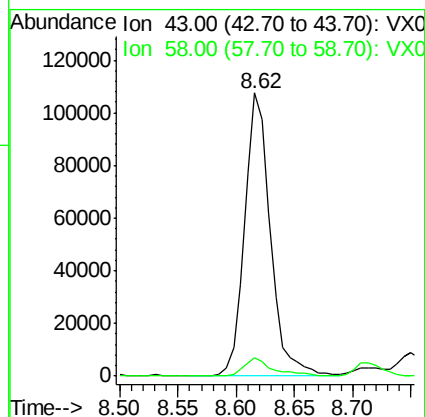
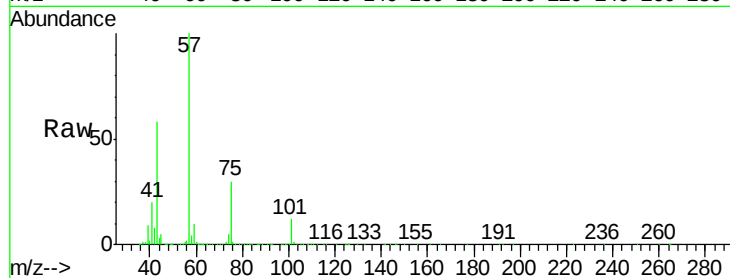
ClientSampled :

Tot Ion: 43 Resp: 165807

Ion Ratio Lower Upper

43 100

58 7.5 31.8 47.6#



#54

cis-1,3-Dichloropropene

Concen: 10.130 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX006932.D

Acq: 07 Jan 2019 13:42

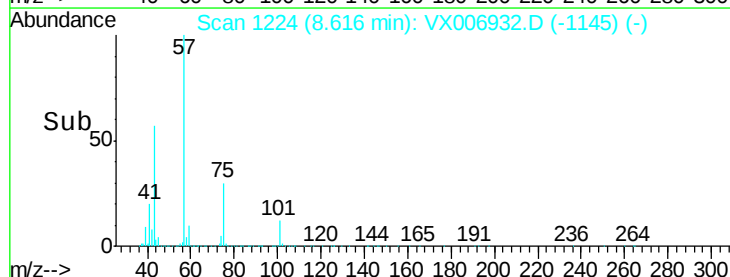
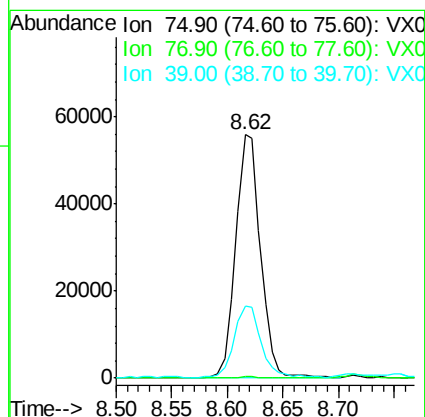
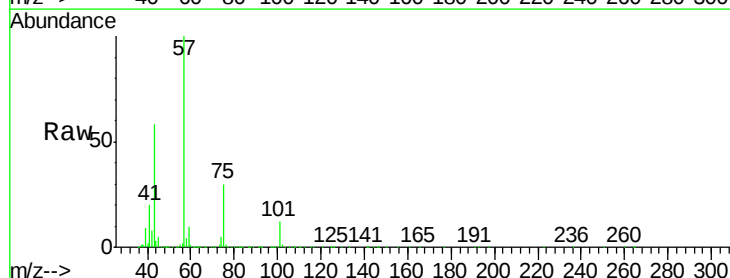
Tgt Ion: 75 Resp: 86370

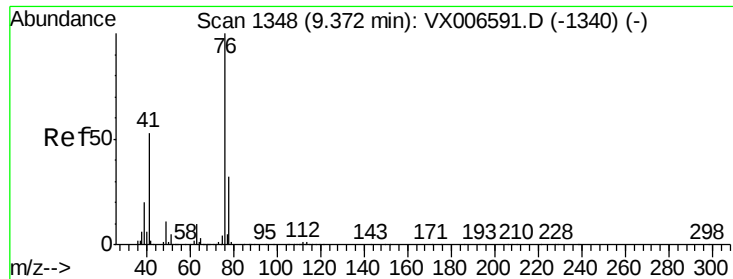
Ion Ratio Lower Upper

75 100

77 0.5 26.2 39.2#

39 29.6 36.7 55.1#





#57

1,3-Dichloropropane

Concen: 1.902 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX006932.D

Acq: 07 Jan 2019 13:42

Instrument :

MSVOA_X

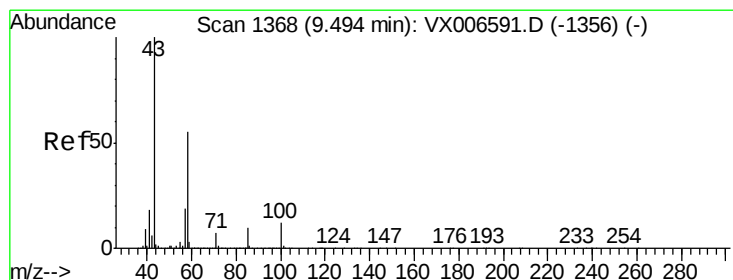
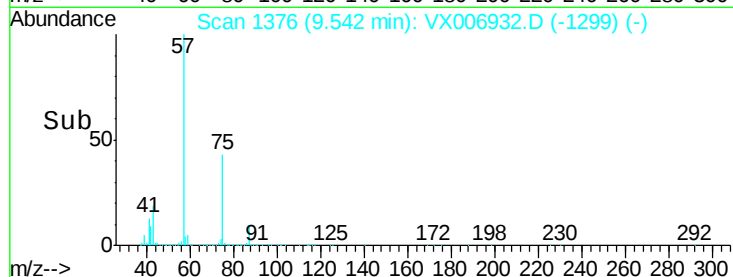
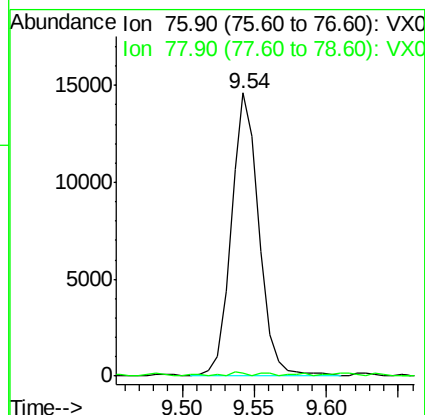
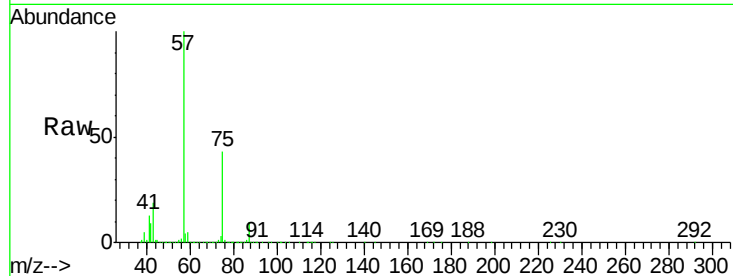
ClientSampleId :

Tot Ion: 76 Resp: 19726

Ion Ratio Lower Upper

76 100

78 0.7 26.0 39.0#



#59

2-Hexanone

Concen: 41.028 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX006932.D

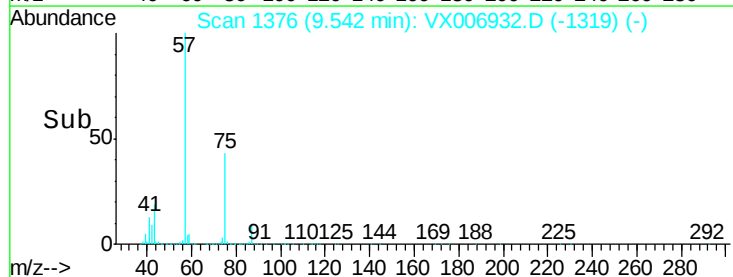
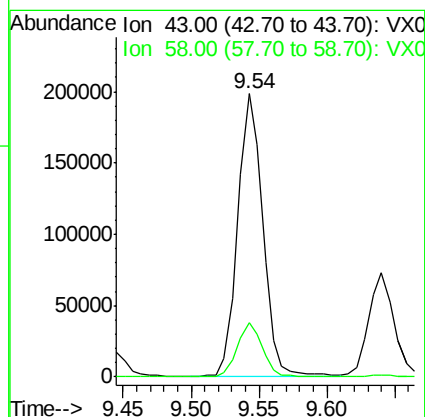
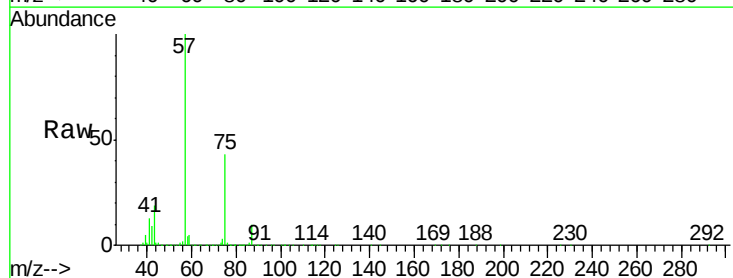
Acq: 07 Jan 2019 13:42

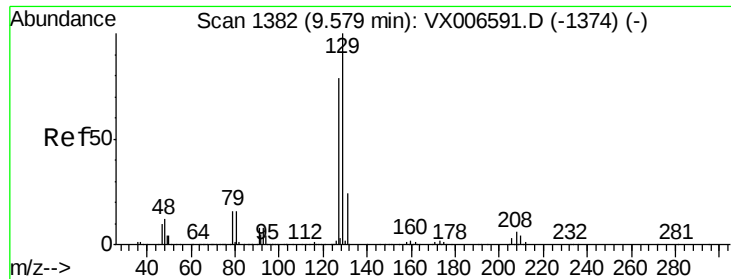
Tgt Ion: 43 Resp: 253698

Ion Ratio Lower Upper

43 100

58 19.6 27.7 83.1#





#60

Dibromochloromethane

Concen: 2.338 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX006932.D

Acq: 07 Jan 2019 13:42

Instrument :

MSVOA_X

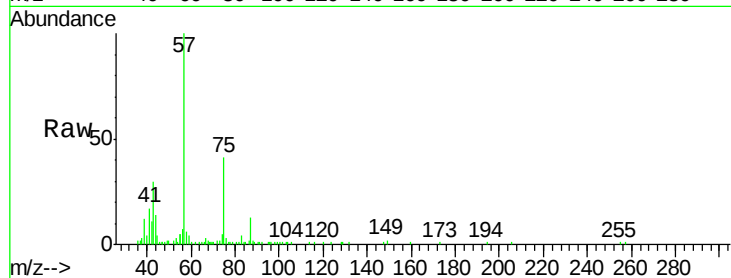
ClientSampleId :

Tot Ion:129 Resp: 99

Ion Ratio Lower Upper

129 100

127 101.0 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

250

200

150

100

50

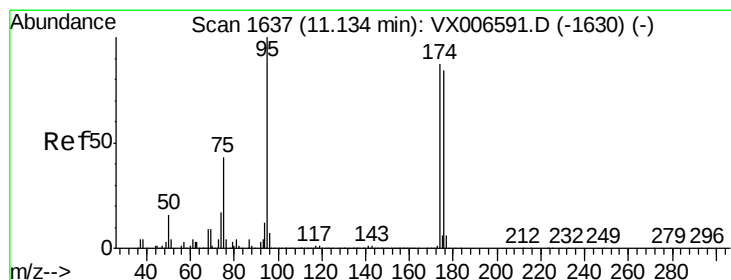
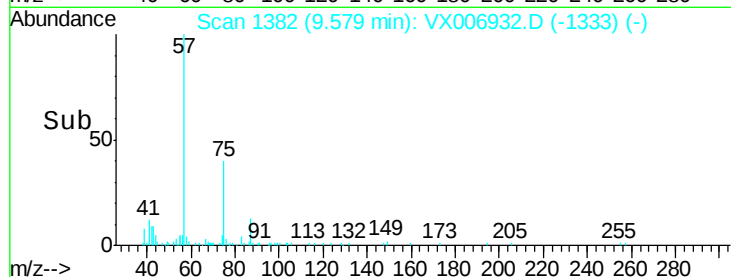
0

9.56

9.58

9.60

Time-->



#62

4-Bromofluorobenzene

Concen: 49.404 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006932.D

Acq: 07 Jan 2019 13:42

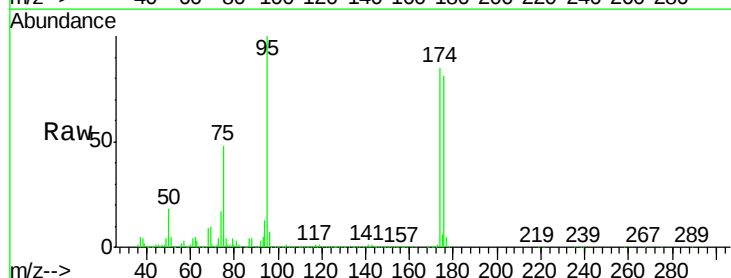
Tgt Ion: 95 Resp: 417750

Ion Ratio Lower Upper

95 100

174 92.7 0.0 182.2

176 90.7 0.0 178.8



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

400000

300000

200000

100000

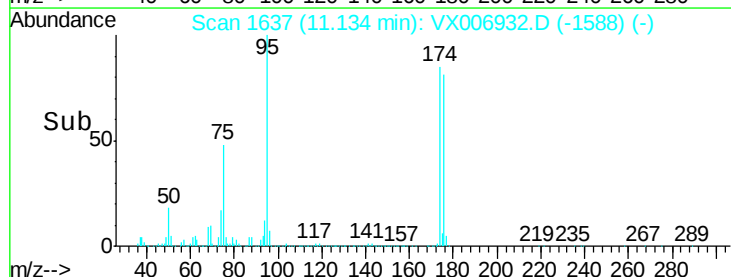
0

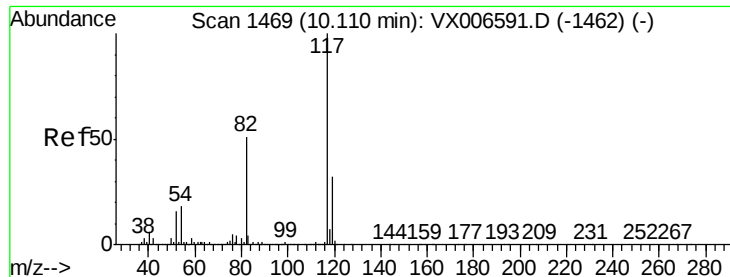
11.10

11.13

11.20

Time-->

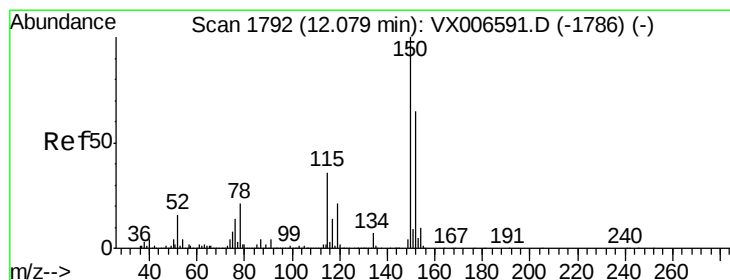
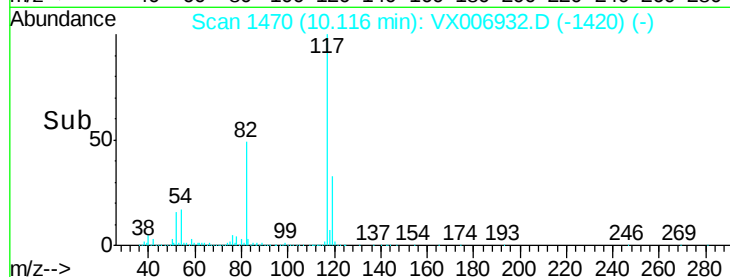
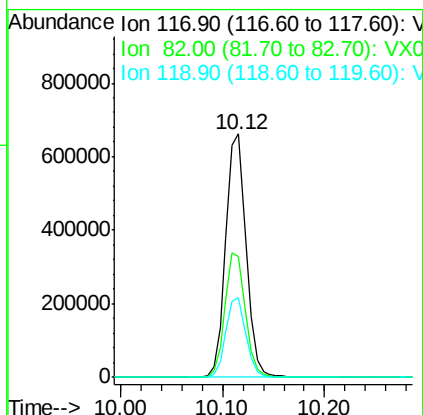
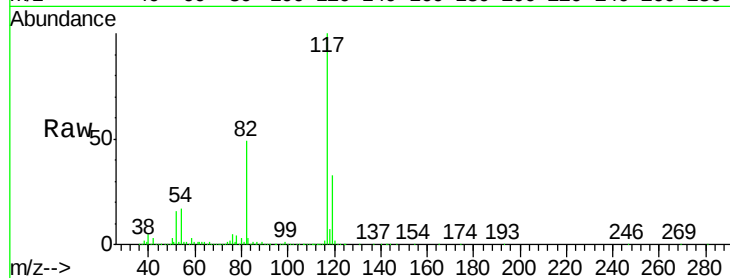




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006932.D
Acq: 07 Jan 2019 13:42

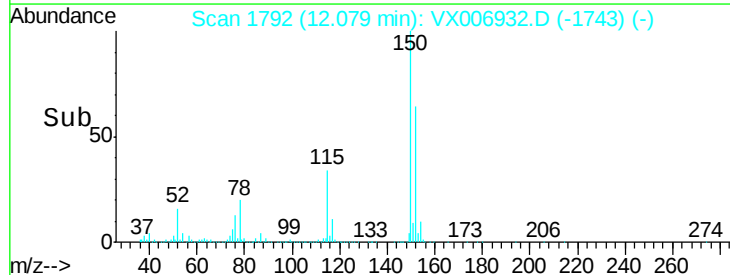
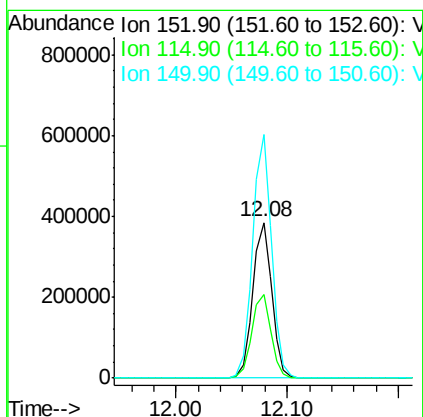
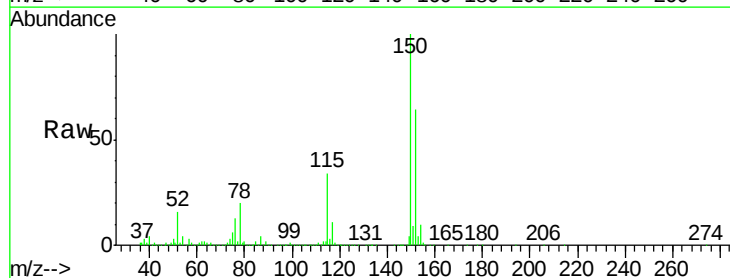
Instrument :
MSVOA_X
ClientSampleId :

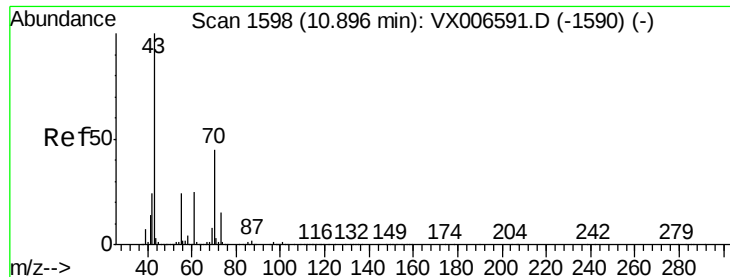
Tot Ion:117 Resp: 915246
Ion Ratio Lower Upper
117 100
82 49.5 41.0 61.6
119 32.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006932.D
Acq: 07 Jan 2019 13:42

Tgt Ion:152 Resp: 457149
Ion Ratio Lower Upper
152 100
115 54.2 39.1 117.2
150 155.3 0.0 344.8





#74

N-amvl acetate

Concen: 2.323 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX006932.D

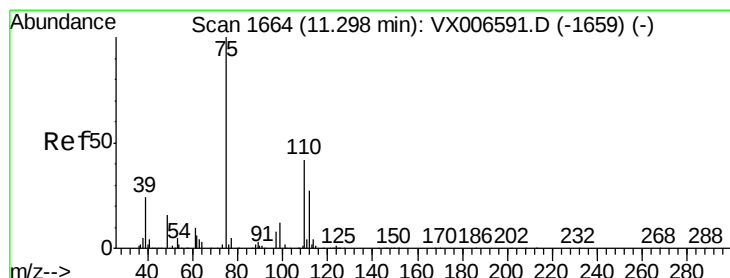
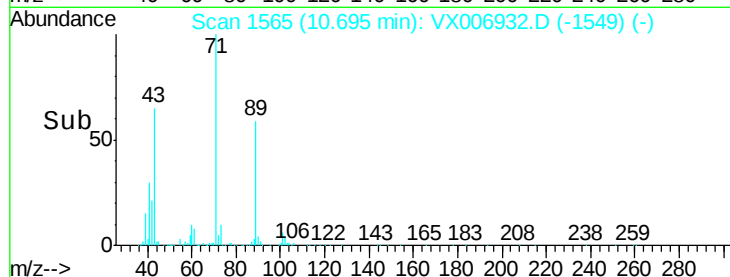
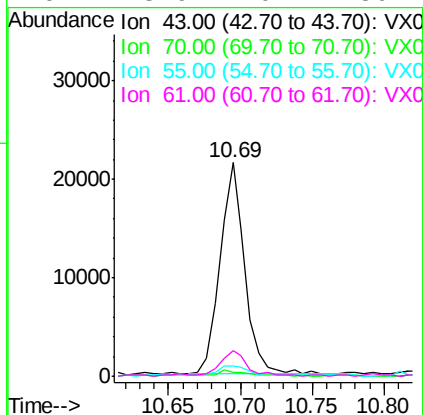
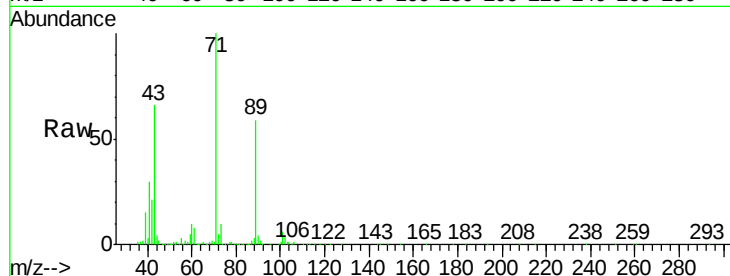
Acq: 07 Jan 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	43	Resp:	26007
Ion	Ratio	Lower	Upper
43	100		
70	3.5	35.8	53.8#
55	6.4	19.4	29.0#
61	13.9	20.1	30.1#



#76

1,2,3-Trichloropropane

Concen: 23.631 ug/l

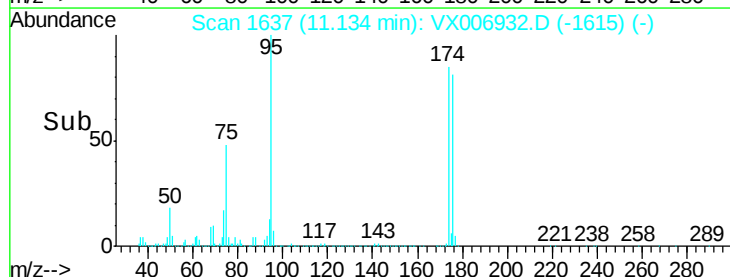
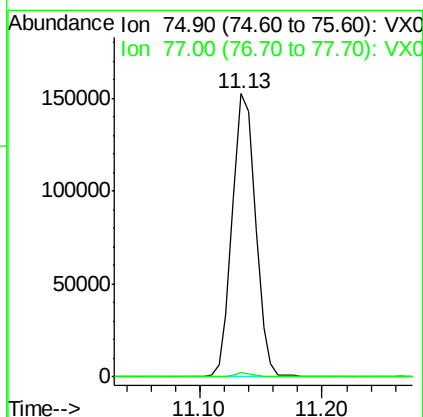
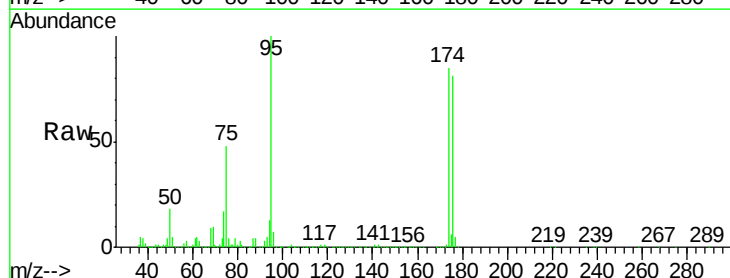
RT: 11.13 min Scan# 1637

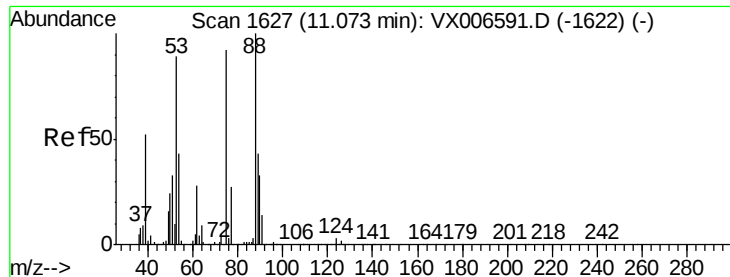
Delta R.T. -0.16 min

Lab File: VX006932.D

Acq: 07 Jan 2019 13:42

Tgt Ion:	75	Resp:	200767
Ion	Ratio	Lower	Upper
75	100		
77	1.4	18.5	55.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 70.062 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006932.D

Acq: 07 Jan 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

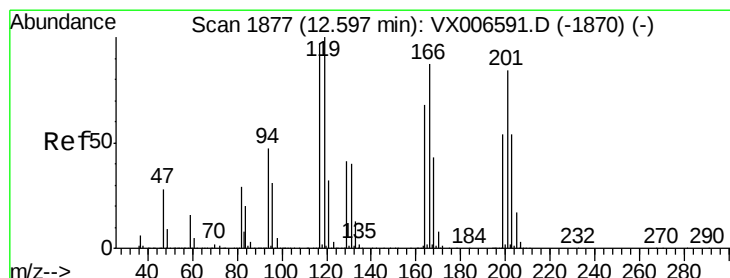
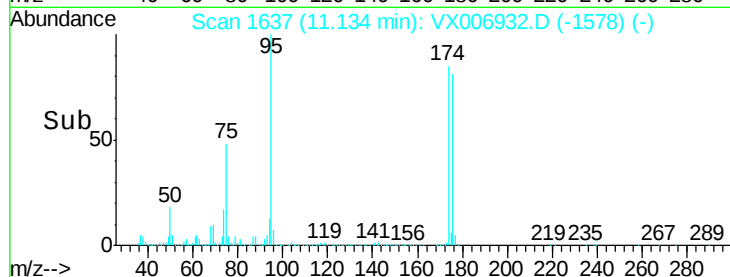
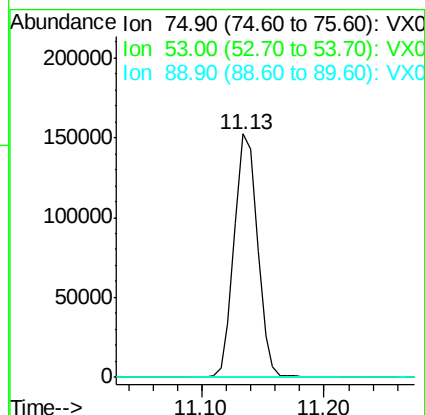
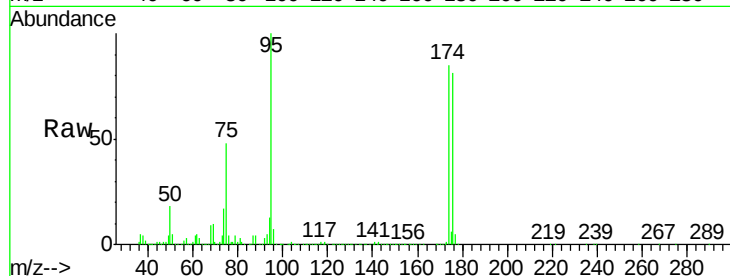
Tot Ion: 75 Resp: 200767

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.0 38.0 57.0#



#90

Hexachloroethane

Concen: 3.299 ug/l

RT: 12.32 min Scan# 1832

Delta R.T. -0.27 min

Lab File: VX006932.D

Acq: 07 Jan 2019 13:42

Tgt Ion: 117 Resp: 28

Ion Ratio Lower Upper

117 100

201 67.9 42.9 128.7

