

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112618\
 Data File : VX006166.D
 Acq On : 26 Nov 2018 11:11
 Operator : JC/MD
 Sample : VX1126WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 27 02:25:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

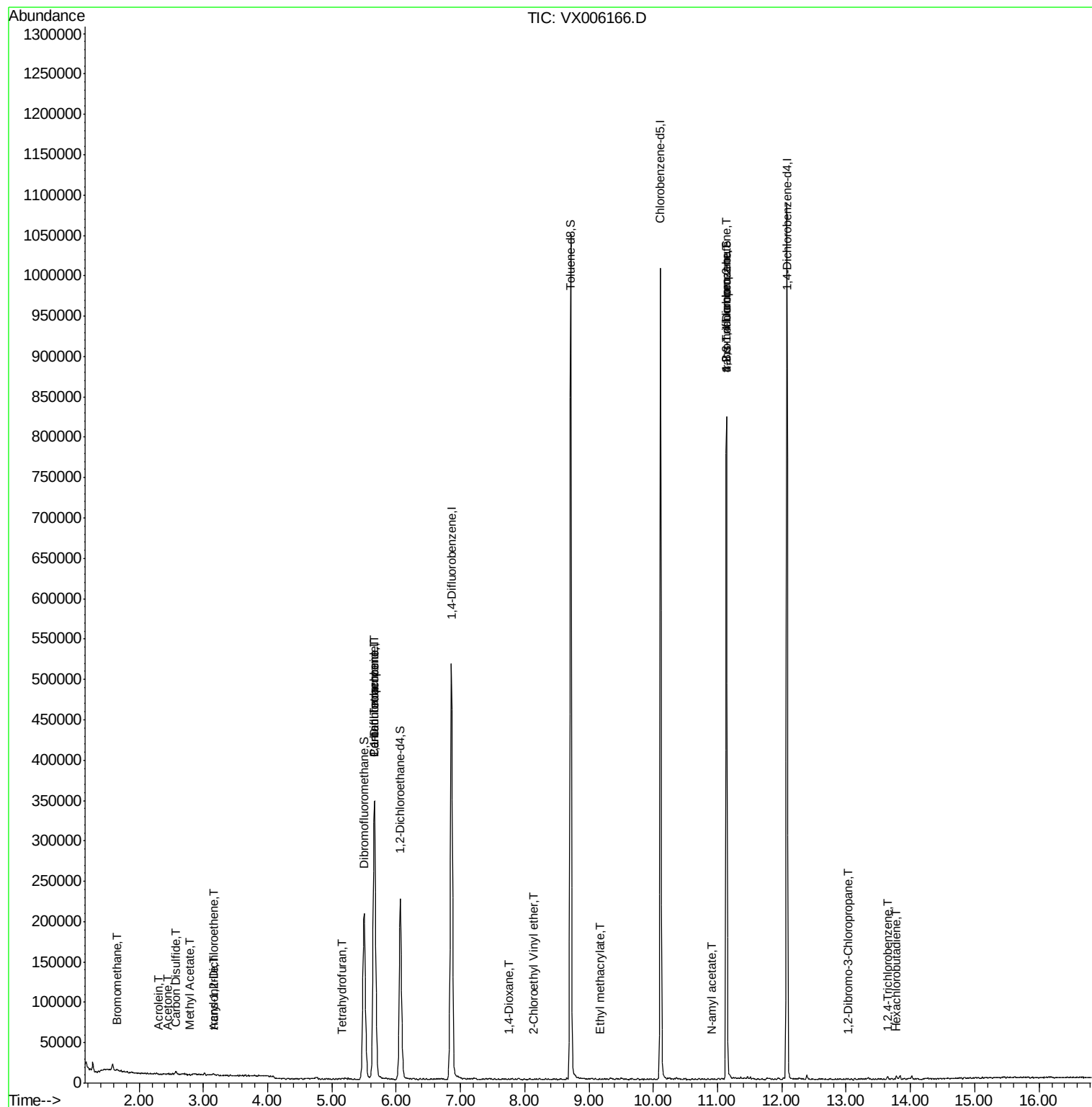
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	346344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	513169	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	463465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223591	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	211210	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
35) Dibromofluoromethane	5.50	113	174414	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	8.71	98	615350	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	11.14	95	206488	43.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.60%	
Target Compounds				Qvalue		
5) Bromomethane	1.65	94	795	4.004	ug/l #	70
6) Chloroethane	1.70	64	262	Below Cal	#	70
13) Acrolein	2.29	56	638	1.249	ug/l #	13
15) Acrylonitrile	3.15	53	1299	0.689	ug/l #	62
16) Acetone	2.45	43	978	0.549	ug/l #	45
17) Carbon Disulfide	2.57	76	5442	0.806	ug/l	98
18) Methyl Acetate	2.78	43	1246	0.273	ug/l	97
20) Methylene Chloride	2.85	84	705	Below Cal	#	75
21) trans-1,2-Dichloroethene	3.17	96	695	0.266	ug/l #	31
29) Tetrahydrofuran	5.15	42	808	0.392	ug/l #	39
36) 1,1-Dichloropropene	5.66	75	24672	5.285	ug/l #	51
38) Carbon Tetrachloride	5.66	117	31901	7.270	ug/l #	16
49) 1,4-Dioxane	7.74	88	240	2.299	ug/l #	29
56) Ethyl methacrylate	9.18	69	449	2.939	ug/l #	36
58) 2-Chloroethyl Vinyl ether	8.15	63	94	6.750	ug/l	93
74) N-amyl acetate	10.90	43	317	2.236	ug/l #	52
76) 1,2,3-Trichloropropane	11.14	75	103287	22.438	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	103287	75.890	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	13.02	75	315	0.266	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.65	180	1047	0.208	ug/l	89
94) Hexachlorobutadiene	13.79	225	505	0.206	ug/l	85

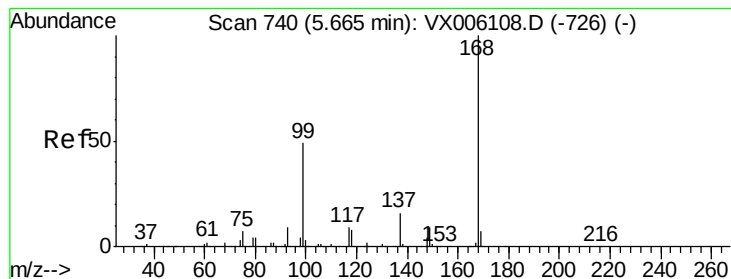
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006166.D

Acq: 26 Nov 2018 11:11

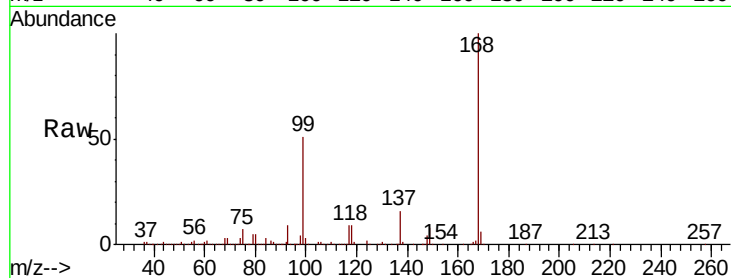
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 346344

Ion Ratio Lower Upper

168 100

99 50.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

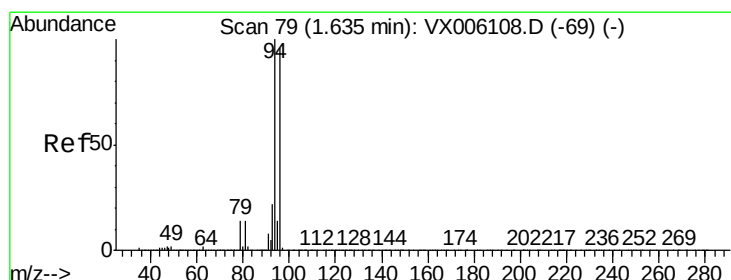
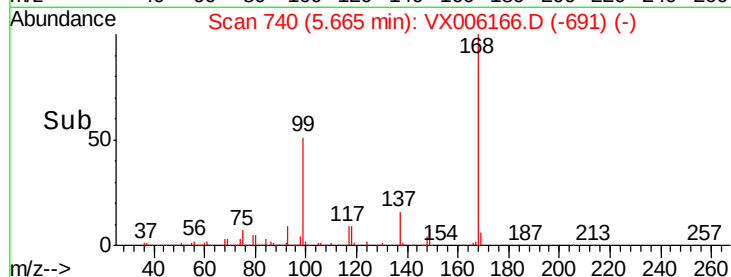
5.67

100000

50000

0

Time-->



#5

Bromomethane

Concen: 4.004 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX006166.D

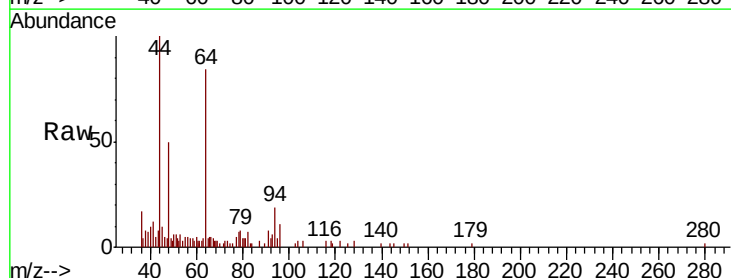
Acq: 26 Nov 2018 11:11

Tgt Ion: 94 Resp: 795

Ion Ratio Lower Upper

94 100

96 67.1 76.7 115.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

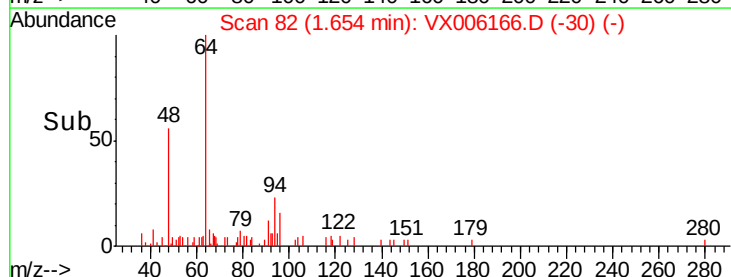
300

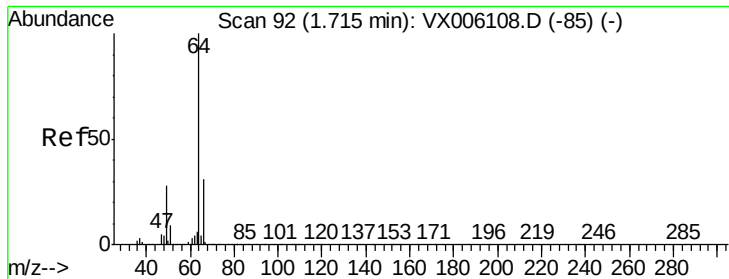
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX006166.D

Acq: 26 Nov 2018 11:11

Instrument :

MSVOA_X

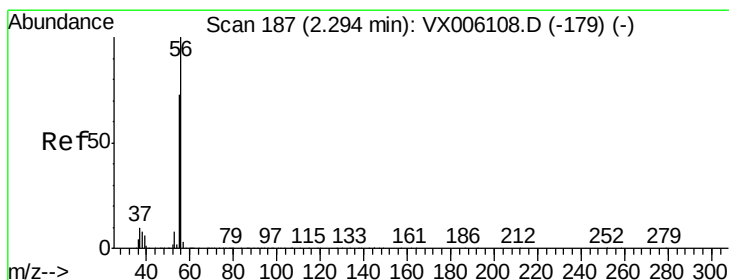
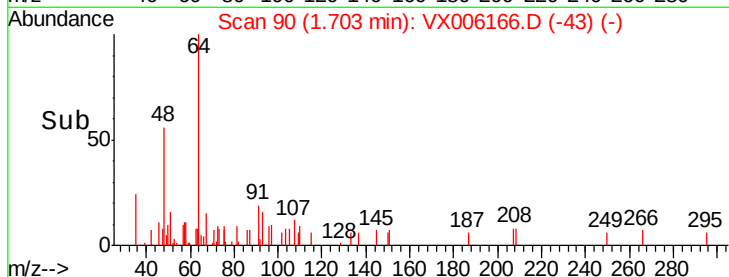
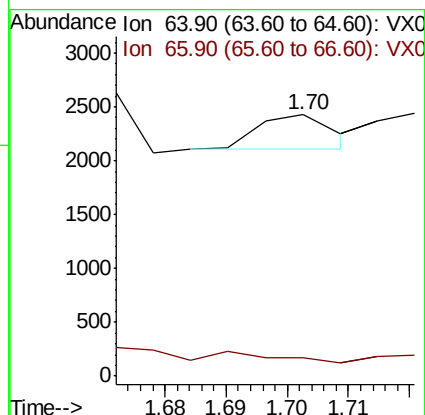
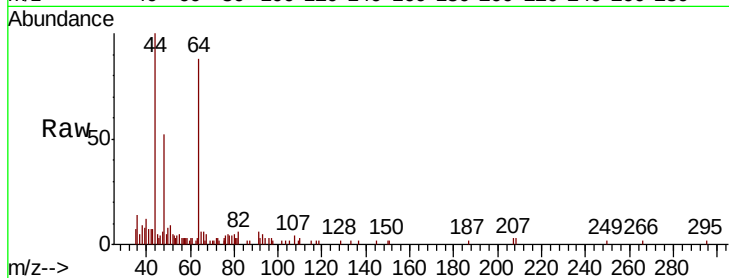
ClientSampleId :

Tot Ion: 64 Resp: 262

Ion Ratio Lower Upper

64 100

66 14.7 25.1 37.7#



#13

Acrolein

Concen: 1.249 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006166.D

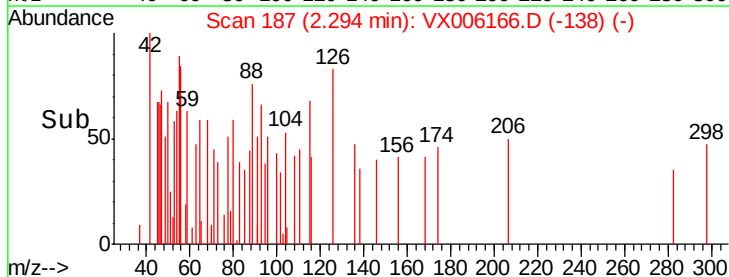
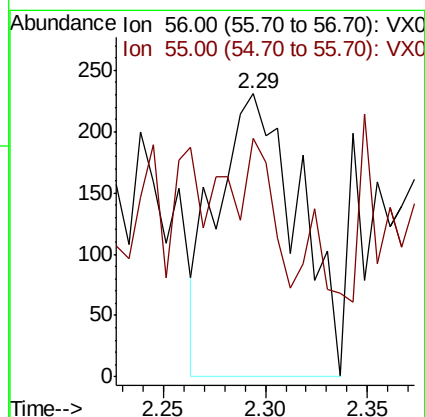
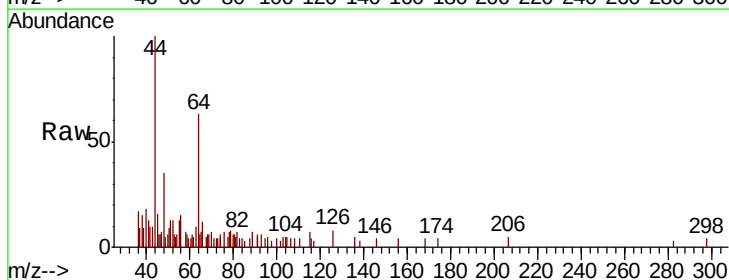
Acq: 26 Nov 2018 11:11

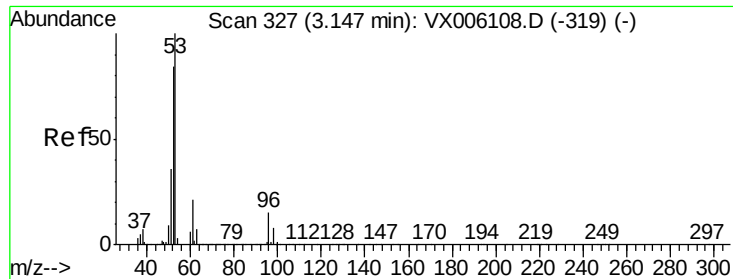
Tgt Ion: 56 Resp: 638

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.6#





#15

Acrylonitrile

Concen: 0.689 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006166.D

Acq: 26 Nov 2018 11:11

Instrument :

MSVOA_X

ClientSampled :

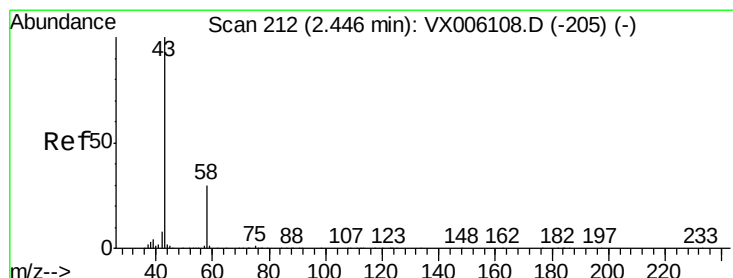
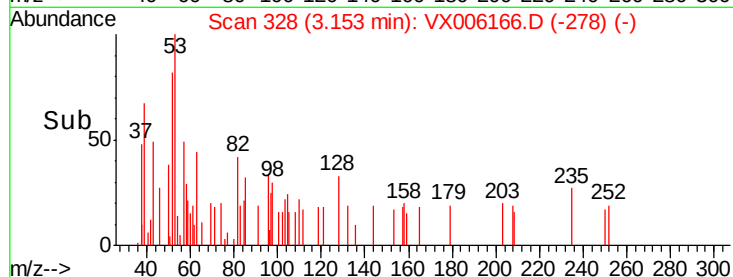
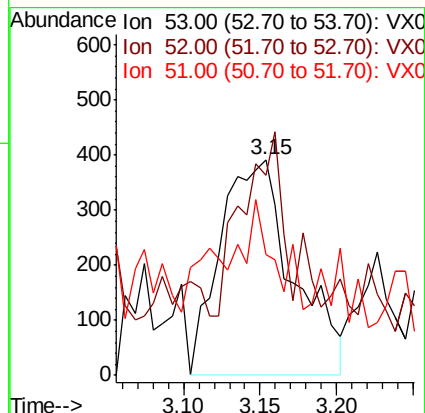
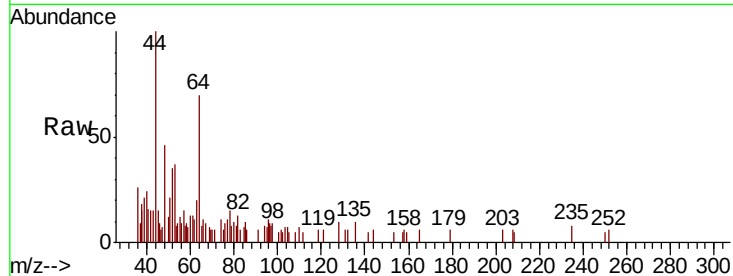
Tot Ion: 53 Resp: 1299

Ion Ratio Lower Upper

53 100

52 45.2 66.4 99.6#

51 20.3 29.4 44.0#



#16

Acetone

Concen: 0.549 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006166.D

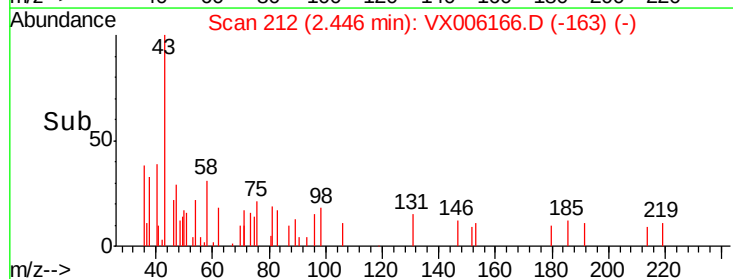
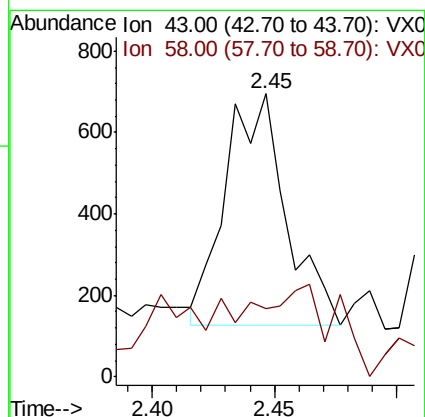
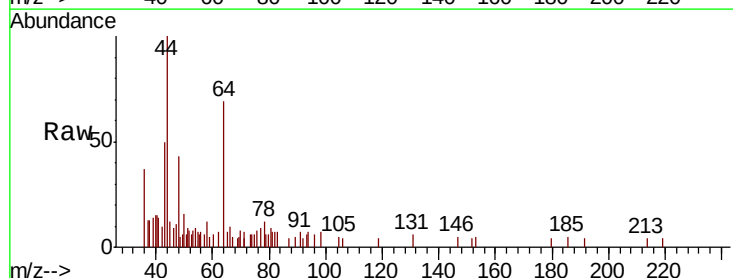
Acq: 26 Nov 2018 11:11

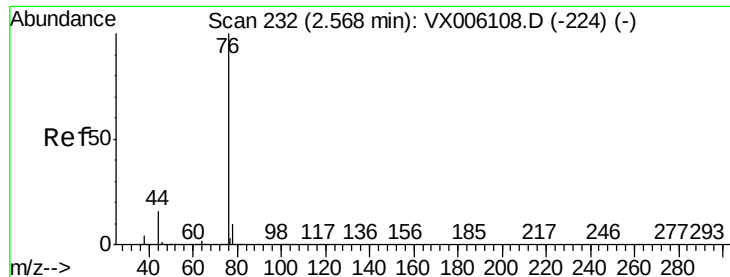
Tgt Ion: 43 Resp: 978

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#





#17

Carbon Disulfide

Concen: 0.806 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006166.D

Acq: 26 Nov 2018 11:11

Instrument :

MSVOA_X

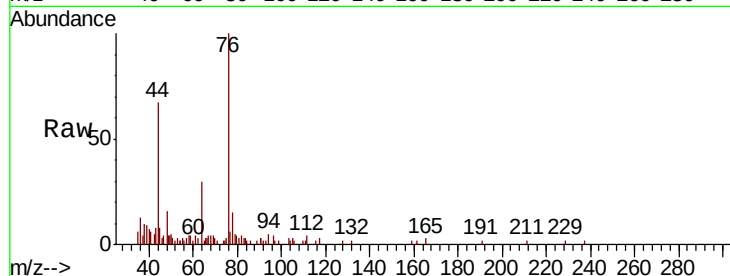
ClientSampleId :

Tot Ion: 76 Resp: 5442

Ion Ratio Lower Upper

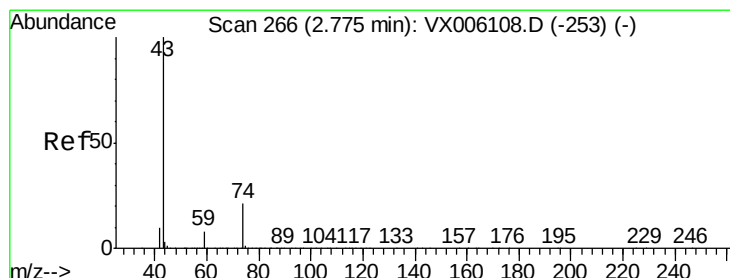
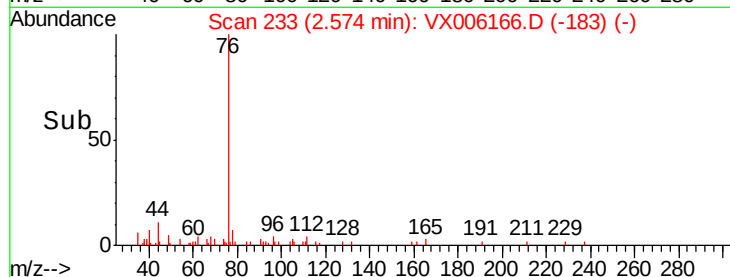
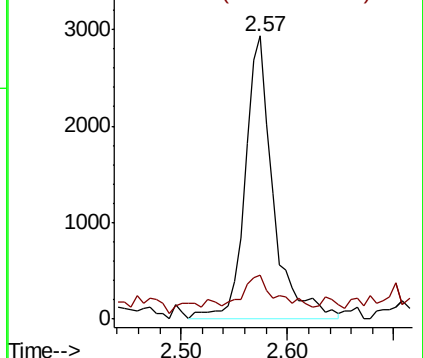
76 100

78 10.4 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.273 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX006166.D

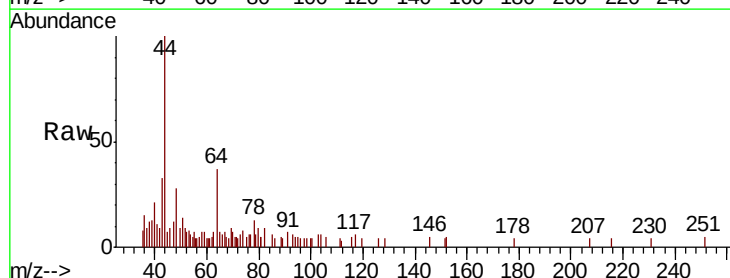
Acq: 26 Nov 2018 11:11

Tgt Ion: 43 Resp: 1246

Ion Ratio Lower Upper

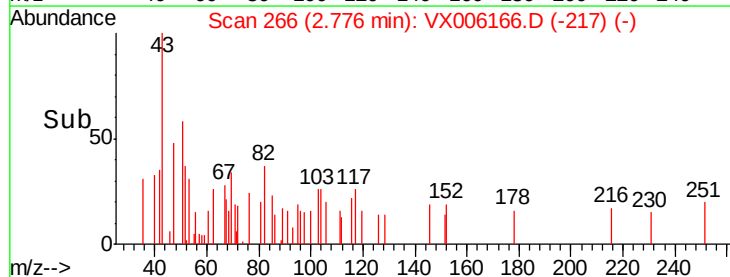
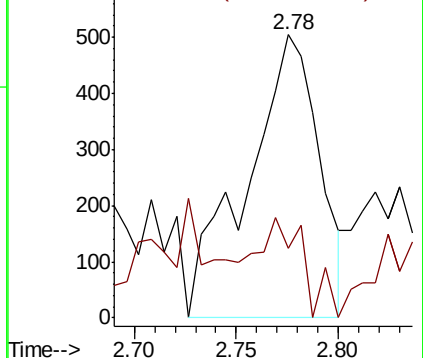
43 100

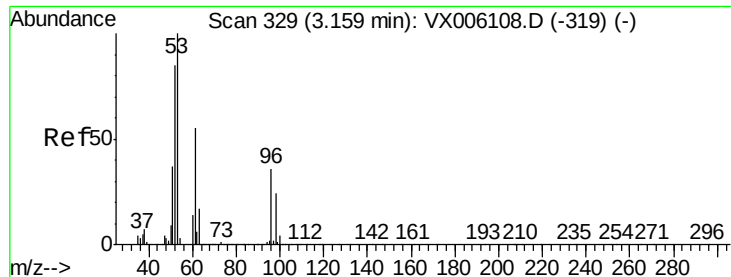
74 23.2 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.266 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX006166.D

Acq: 26 Nov 2018 11:11

Instrument :

MSVOA_X

ClientSampled :

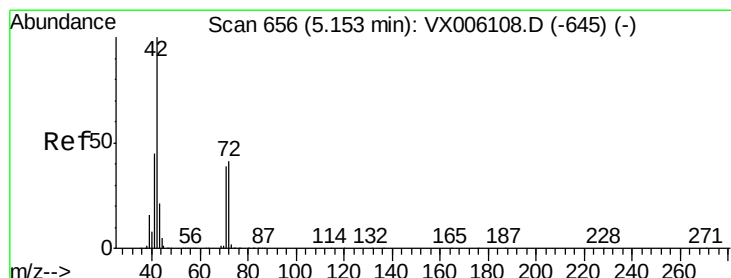
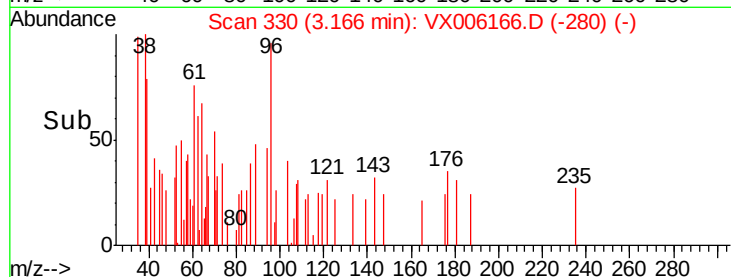
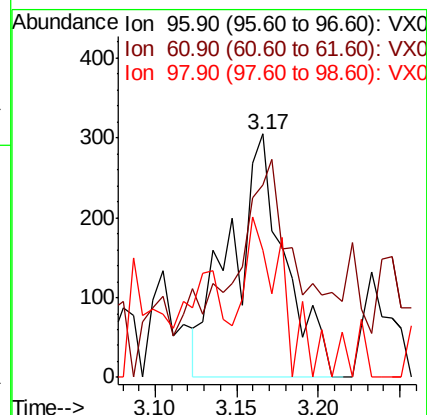
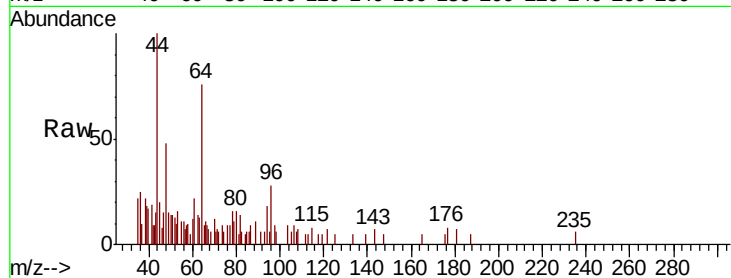
Tot Ion: 96 Resp: 695

Ion Ratio Lower Upper

96 100

61 47.9 122.0 183.0#

98 33.8 52.7 79.1#



#29

Tetrahydrofuran

Concen: 0.392 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006166.D

Acq: 26 Nov 2018 11:11

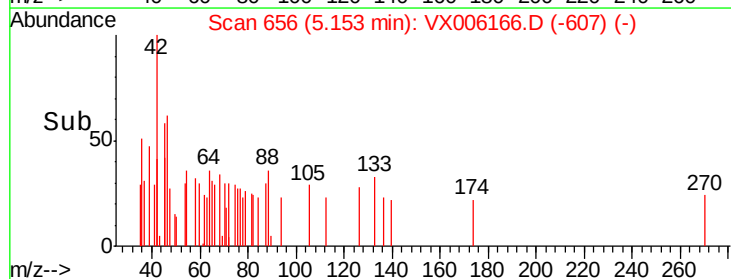
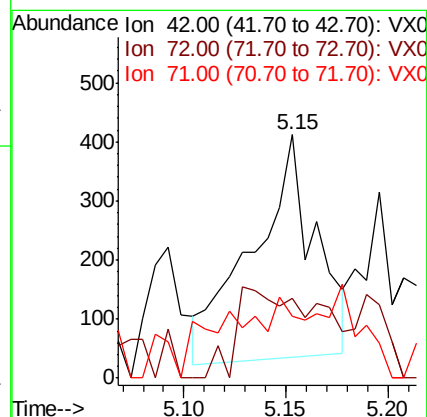
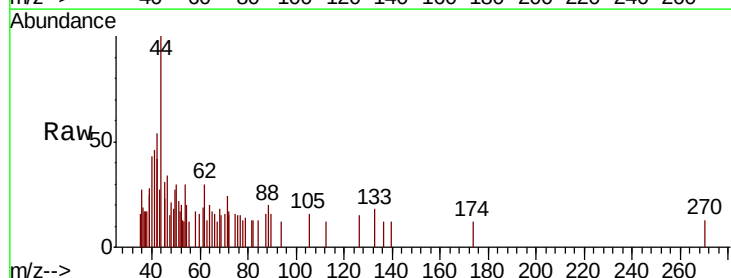
Tgt Ion: 42 Resp: 808

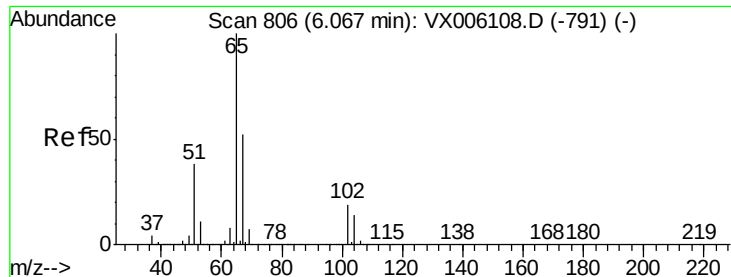
Ion Ratio Lower Upper

42 100

72 0.0 33.0 49.6#

71 5.0 31.0 46.4#

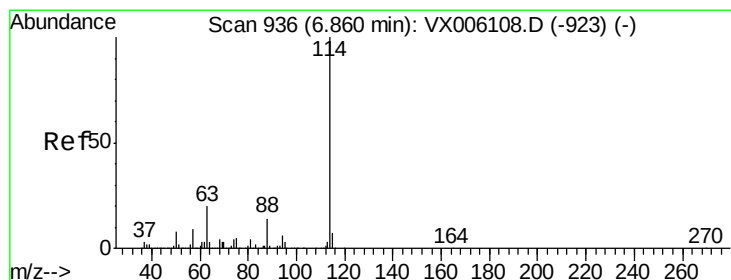
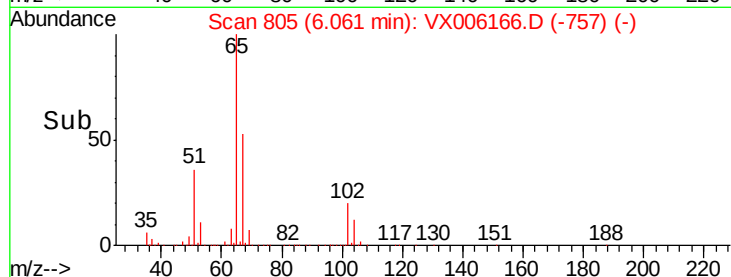
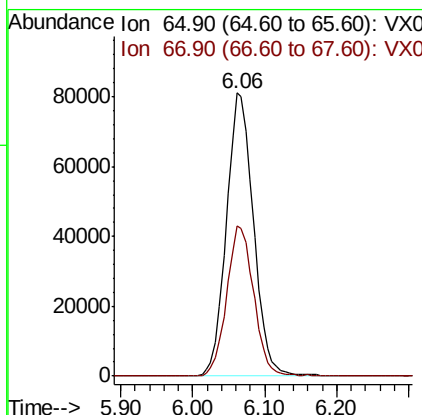
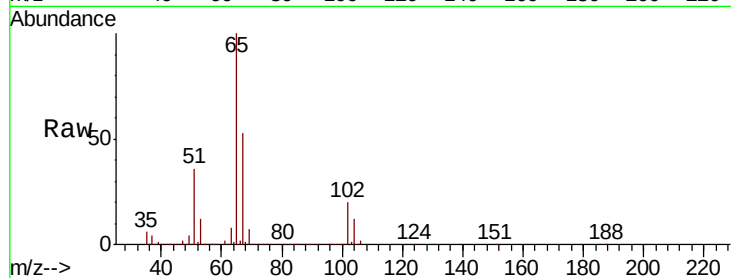




#33
 1,2-Dichloroethane-d4
 Concen: 52.628 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX006166.D
 Acq: 26 Nov 2018 11:11

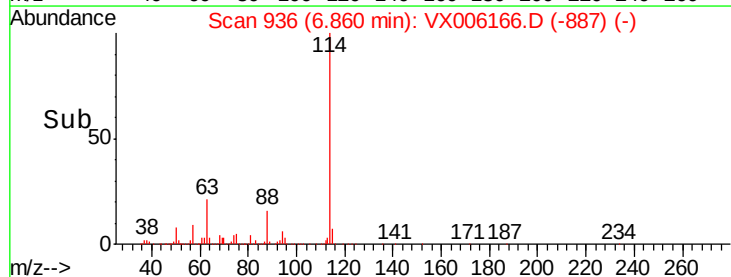
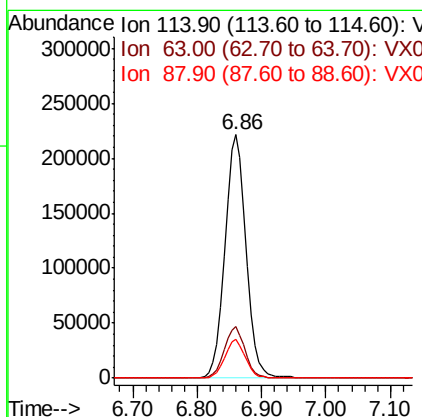
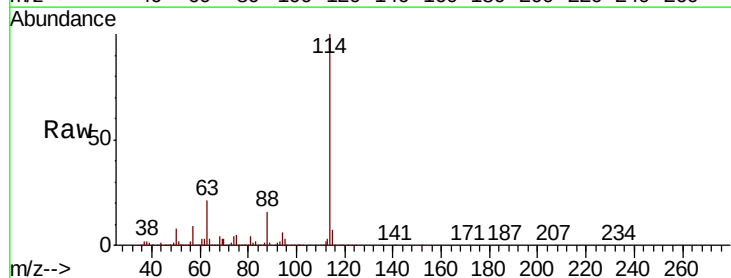
Instrument :
 MSVOA_X
 ClientSampleId :

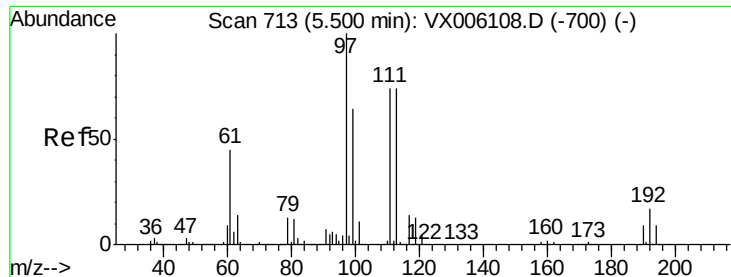
Tot Ion: 65 Resp: 211210
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006166.D
 Acq: 26 Nov 2018 11:11

Tgt Ion: 114 Resp: 513169
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.2
 88 15.7 0.0 28.6

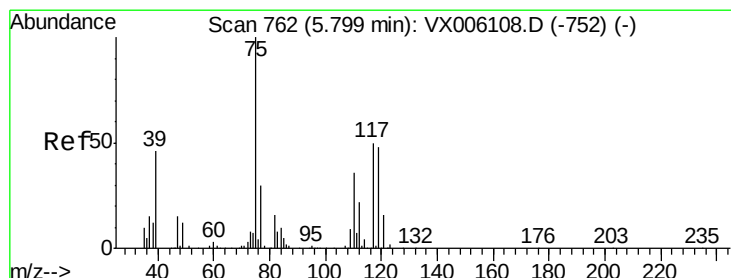
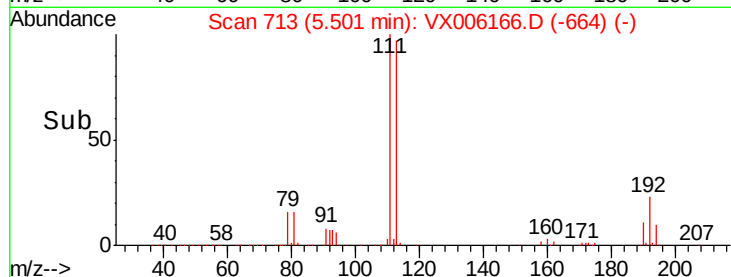
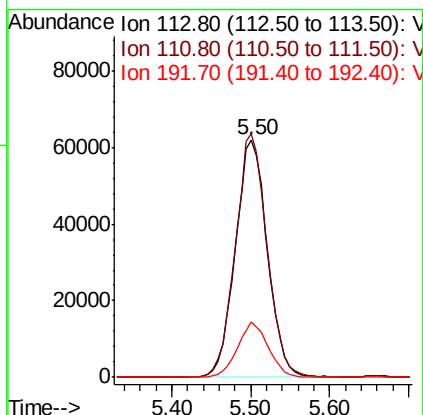
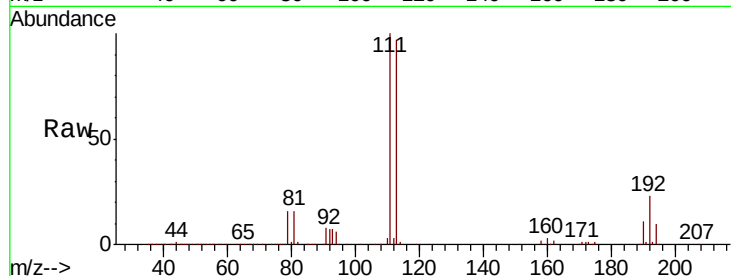




#35
 Dibromofluoromethane
 Concen: 52.947 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX006166.D
 Acq: 26 Nov 2018 11:11

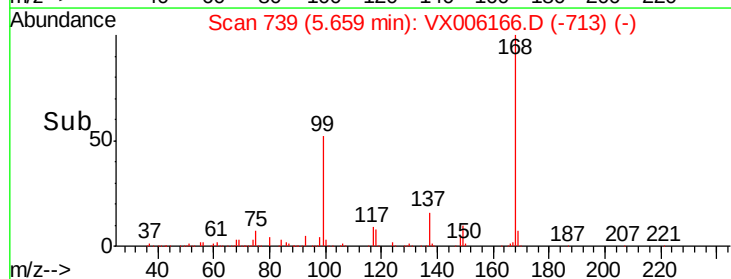
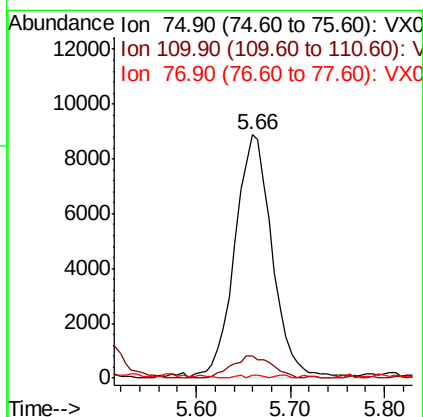
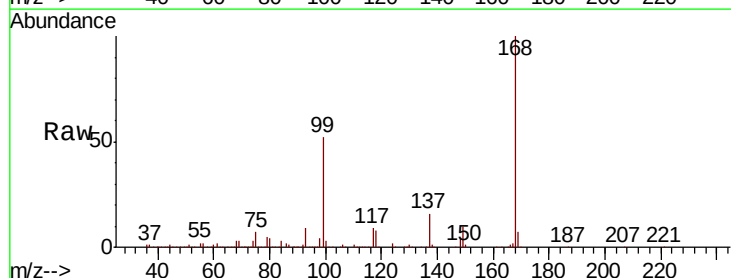
Instrument :
 MSVOA_X
 ClientSampleId :

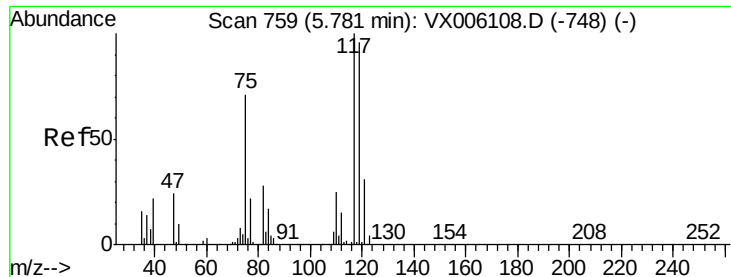
Tot Ion:113 Resp: 174414
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.5 122.3
 192 22.5 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 5.285 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006166.D
 Acq: 26 Nov 2018 11:11

Tgt Ion: 75 Resp: 24672
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.8 53.3#
 77 0.4 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 7.270 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006166.D

Acq: 26 Nov 2018 11:11

Instrument :

MSVOA_X

ClientSampled :

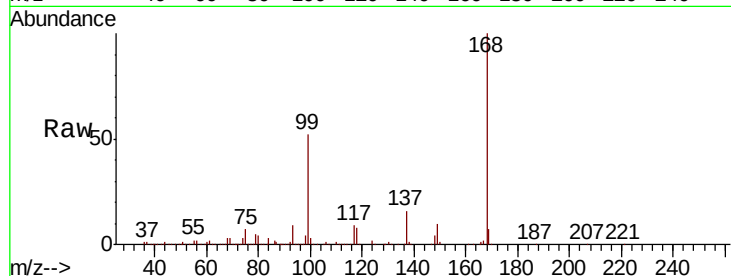
Tot Ion:117 Resp: 31901

Ion Ratio Lower Upper

117 100

119 5.4 76.3 114.5#

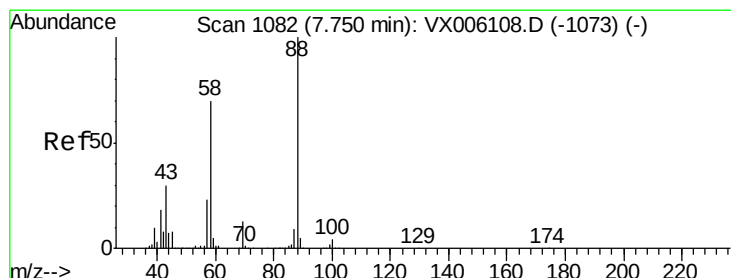
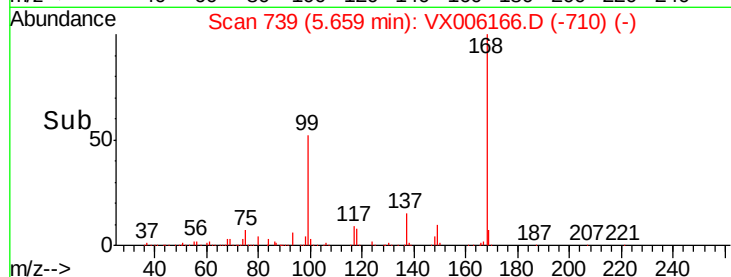
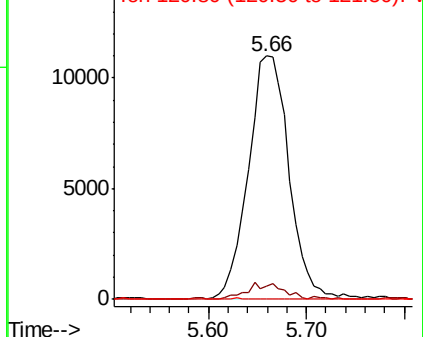
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 2.299 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX006166.D

Acq: 26 Nov 2018 11:11

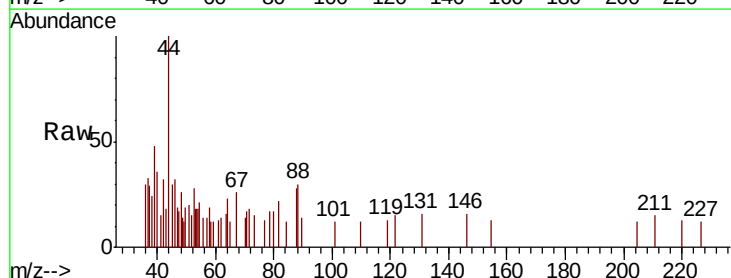
Tgt Ion: 88 Resp: 240

Ion Ratio Lower Upper

88 100

43 120.8 26.7 40.1#

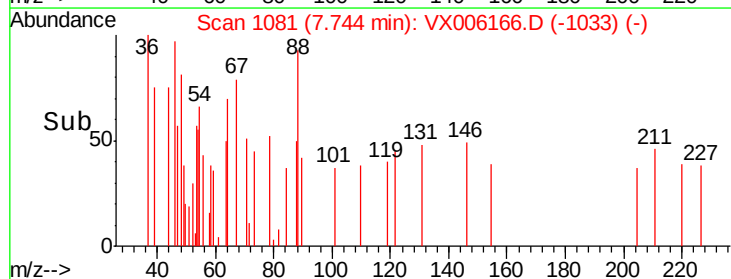
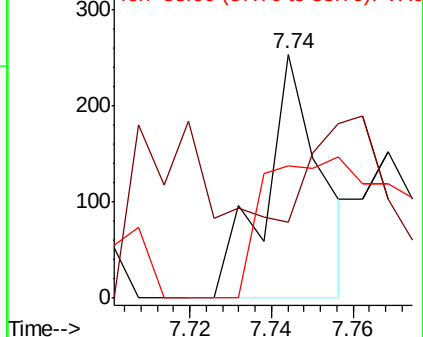
58 101.3 58.5 87.7#

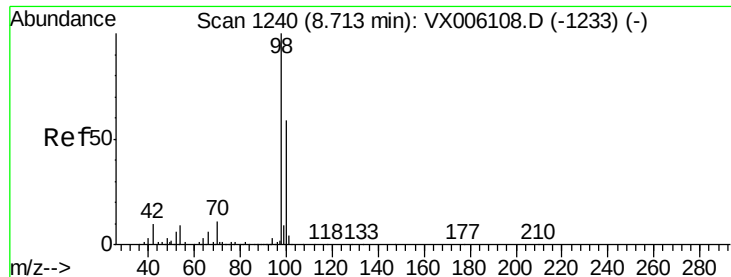


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

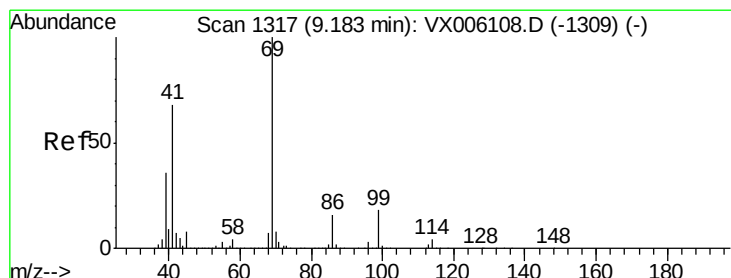
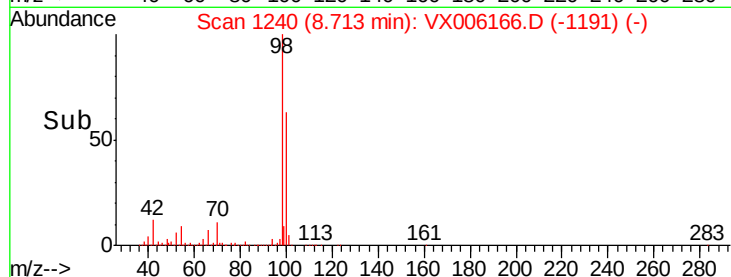
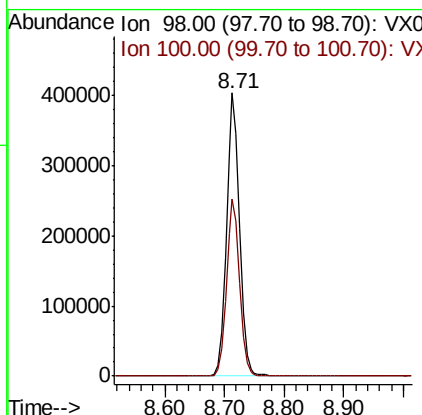
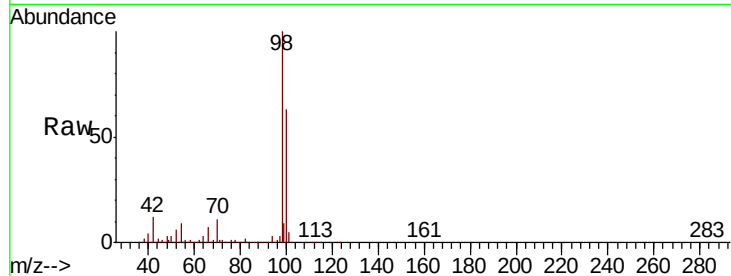




#50
Toluene-d8
Concen: 48.976 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006166.D
Acq: 26 Nov 2018 11:11

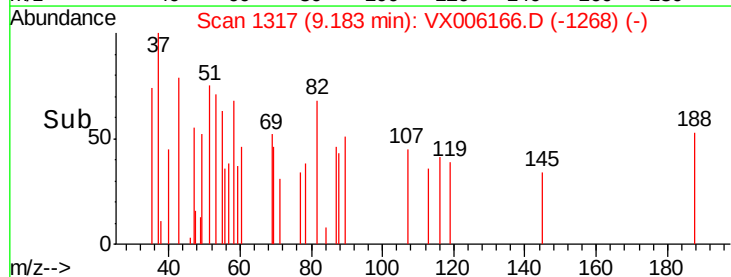
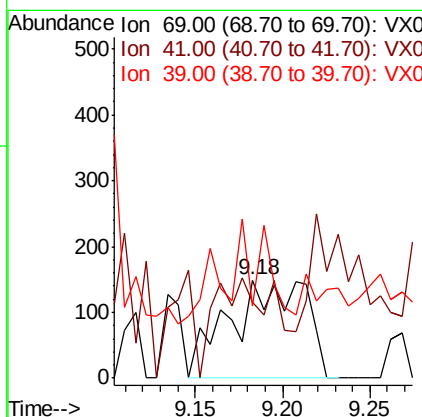
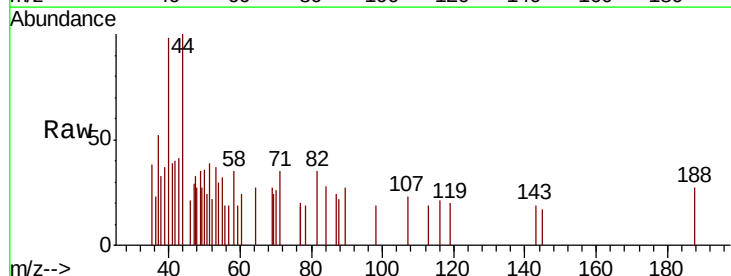
Instrument :
MSVOA_X
ClientSampled :

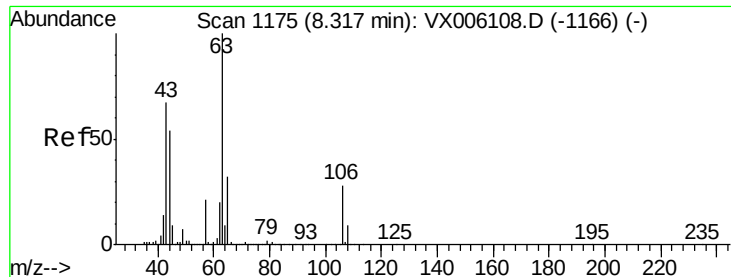
Tot Ion: 98 Resp: 615350
Ion Ratio Lower Upper
98 100
100 62.9 51.0 76.4



#56
Ethyl methacrylate
Concen: 2.939 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VX006166.D
Acq: 26 Nov 2018 11:11

Tgt Ion: 69 Resp: 449
Ion Ratio Lower Upper
69 100
41 0.0 56.2 84.4#
39 22.3 29.4 44.0#

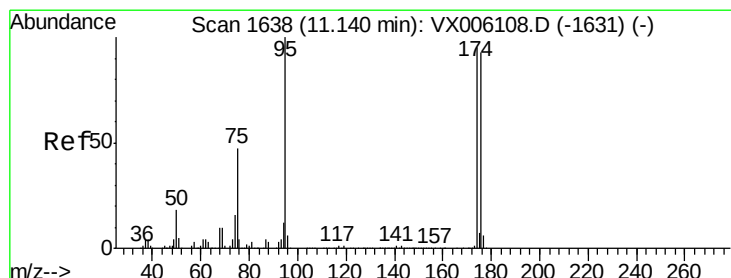
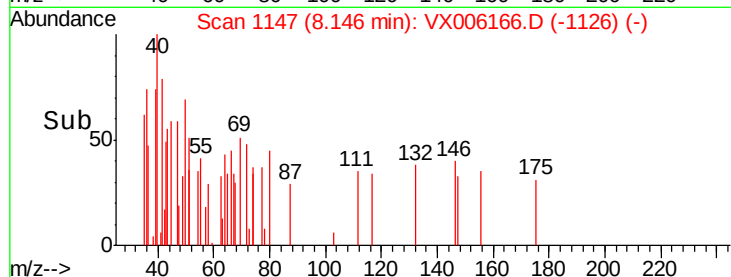
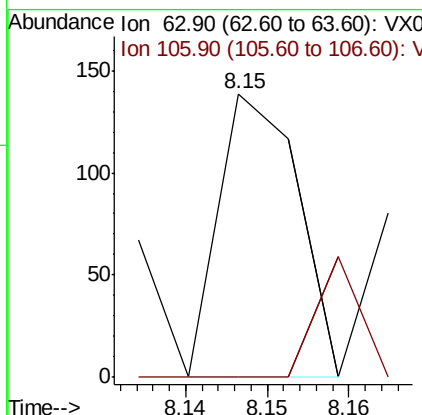
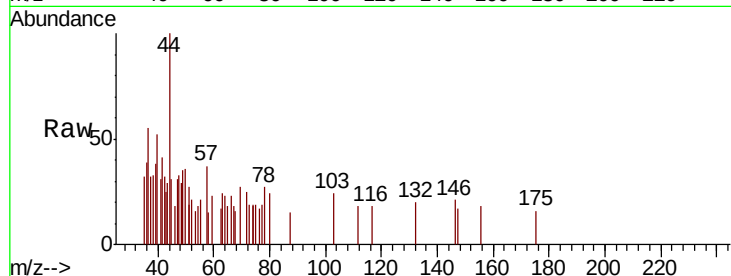




#58
2-Chloroethyl Vinyl ether
Concen: 6.750 ug/l
RT: 8.15 min Scan# 1147
Delta R.T. -0.17 min
Lab File: VX006166.D
Acq: 26 Nov 2018 11:11

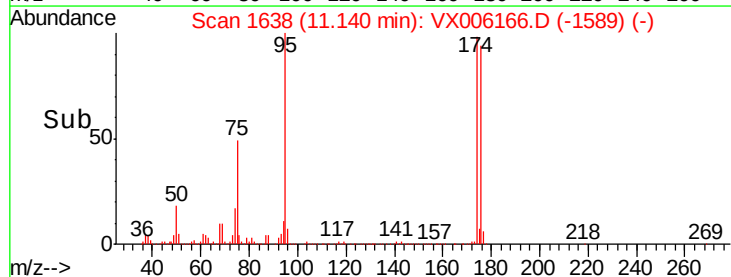
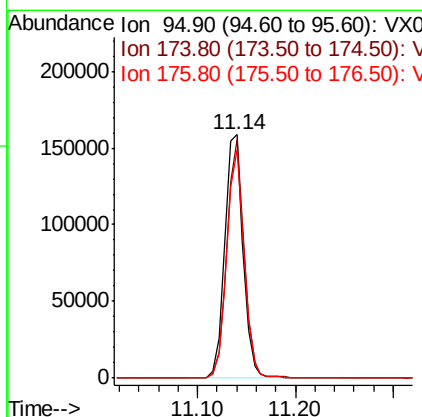
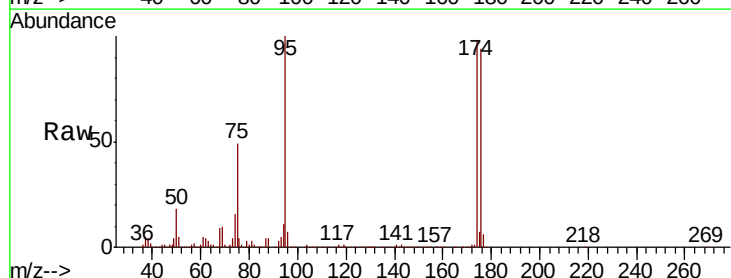
Instrument :
MSVOA_X
ClientSampled :

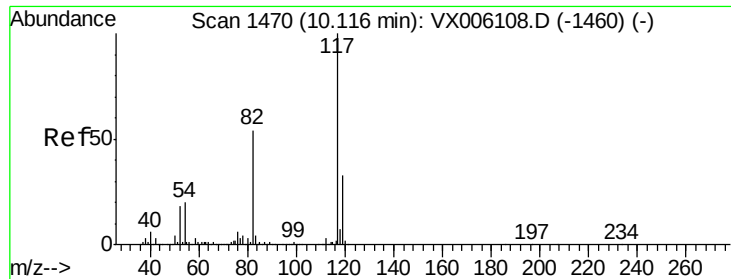
Tot Ion: 63 Resp: 94
Ion Ratio Lower Upper
63 100
106 23.4 21.7 32.5



#62
4-Bromofluorobenzene
Concen: 43.801 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX006166.D
Acq: 26 Nov 2018 11:11

Tgt Ion: 95 Resp: 206488
Ion Ratio Lower Upper
95 100
174 92.8 0.0 184.4
176 89.1 0.0 179.0

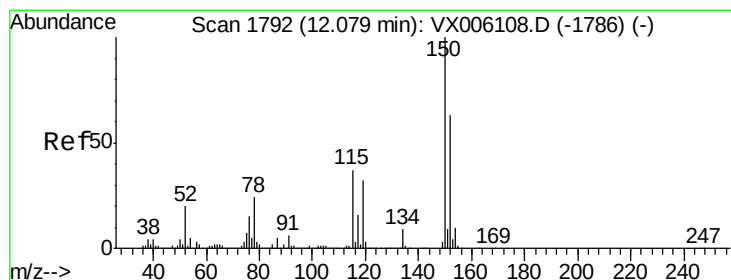
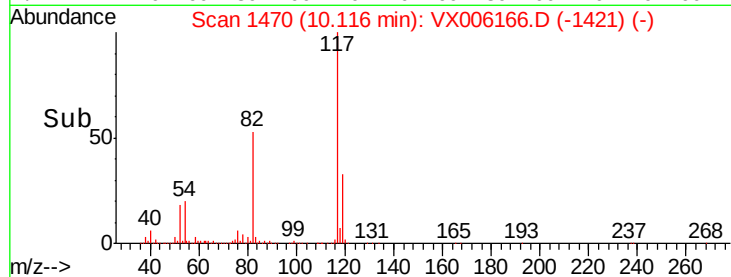
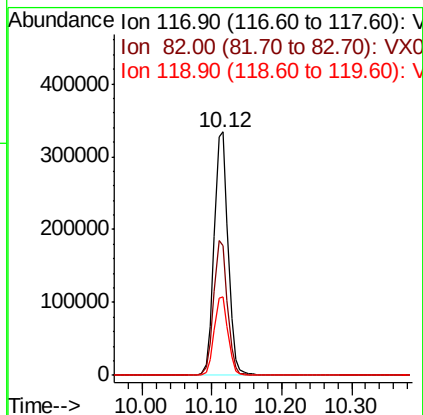
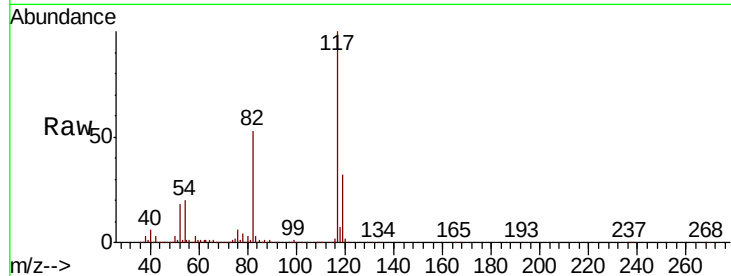




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006166.D
Acq: 26 Nov 2018 11:11

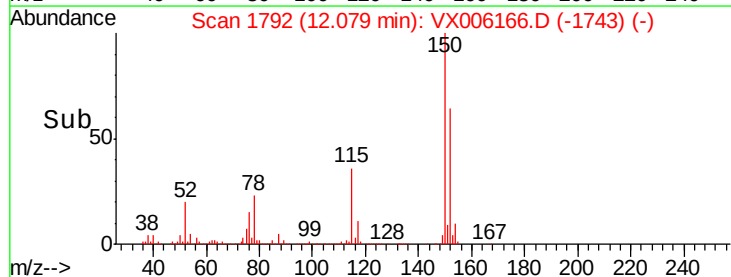
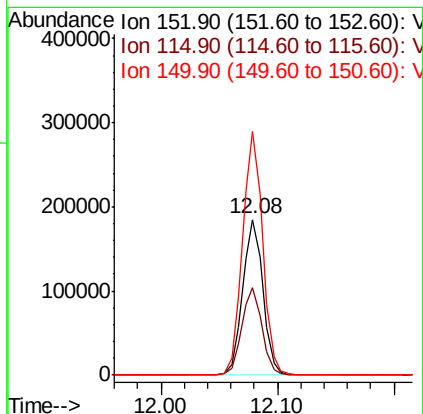
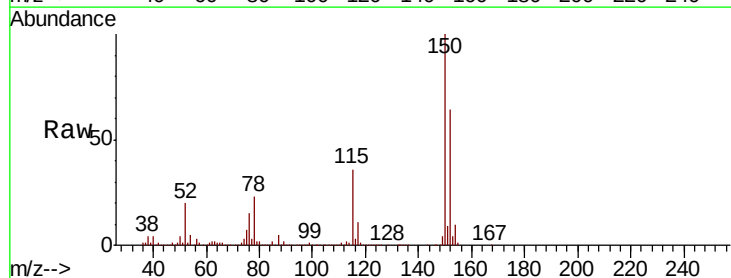
Instrument :
MSVOA_X
ClientSampleId :

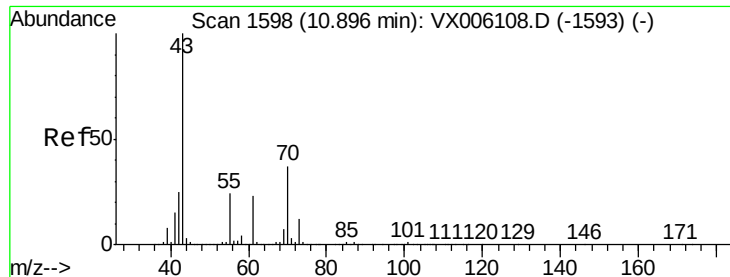
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.0	64.4
119	32.5	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006166.D
Acq: 26 Nov 2018 11:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	39.0	116.9
150	155.6	0.0	346.6





#74

N-amvl acetate

Concen: 2.236 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006166.D

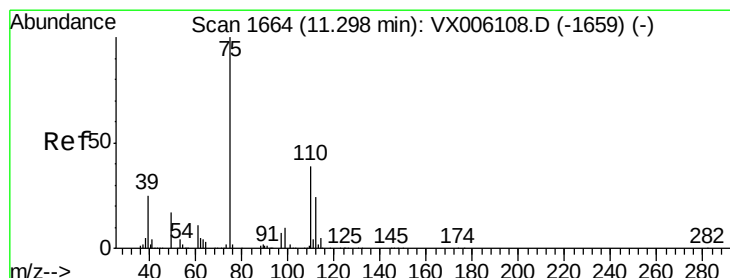
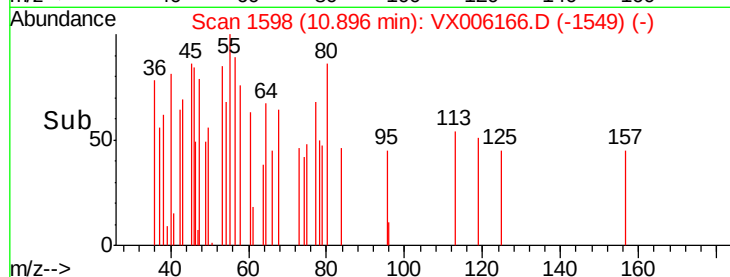
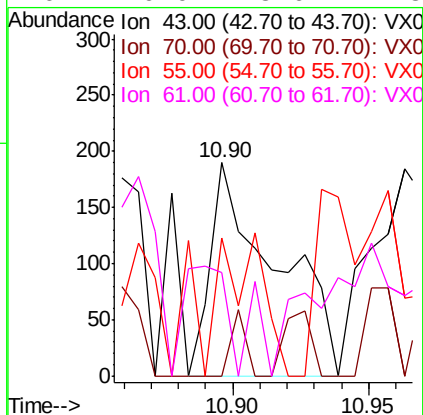
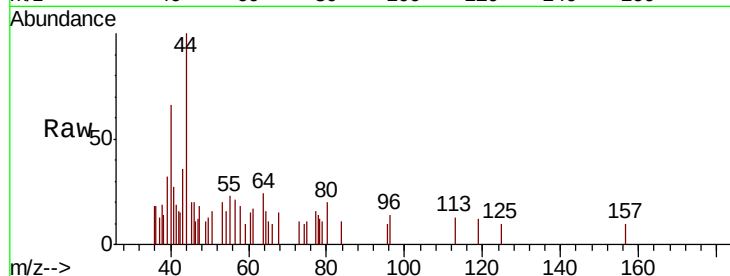
Acq: 26 Nov 2018 11:11

Instrument :

MSVOA_X

ClientSampled :

Tot Ion:	43	Resp:	317
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.8	47.6#
55	13.9	19.5	29.3#
61	0.0	18.6	27.8#



#76

1,2,3-Trichloropropane

Concen: 22.438 ug/l

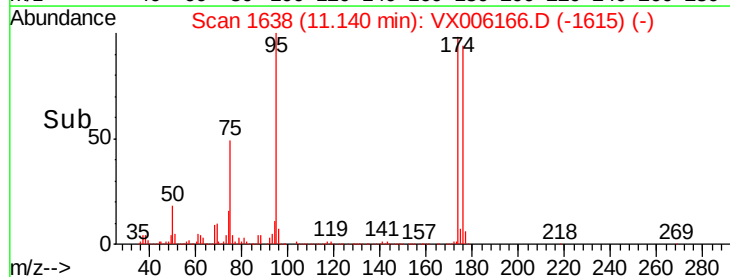
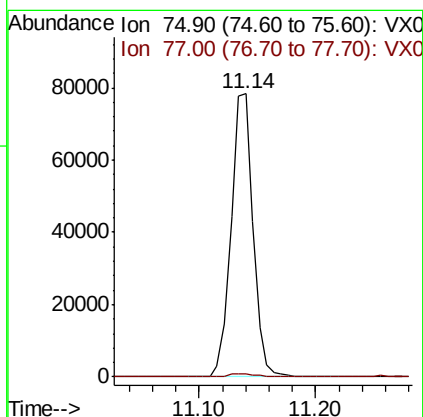
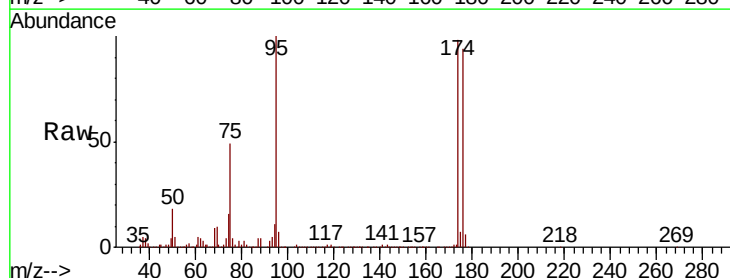
RT: 11.14 min Scan# 1638

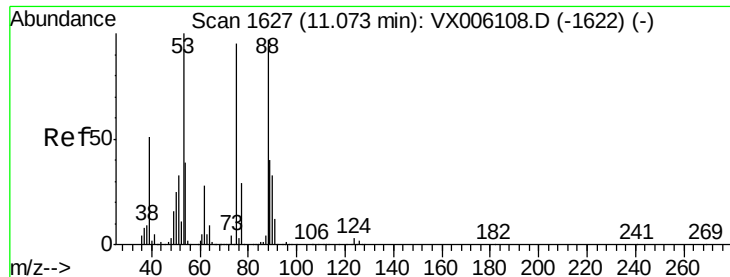
Delta R.T. -0.16 min

Lab File: VX006166.D

Acq: 26 Nov 2018 11:11

Tgt Ion:	75	Resp:	103287
Ion	Ratio	Lower	Upper
75	100		
77	1.5	19.6	58.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 75.890 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006166.D

Acq: 26 Nov 2018 11:11

Instrument :

MSVOA_X

ClientSampled :

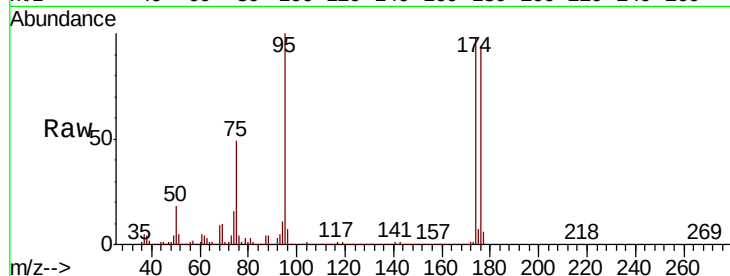
Tot Ion: 75 Resp: 103287

Ion Ratio Lower Upper

75 100

53 0.4 85.3 127.9#

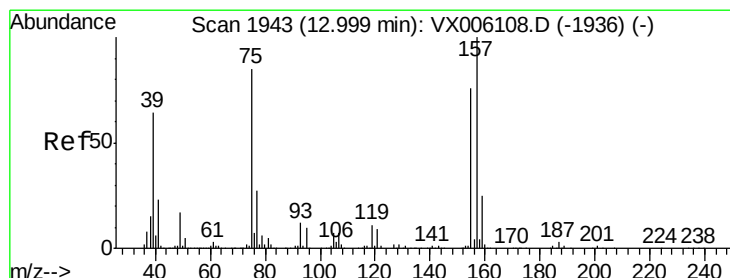
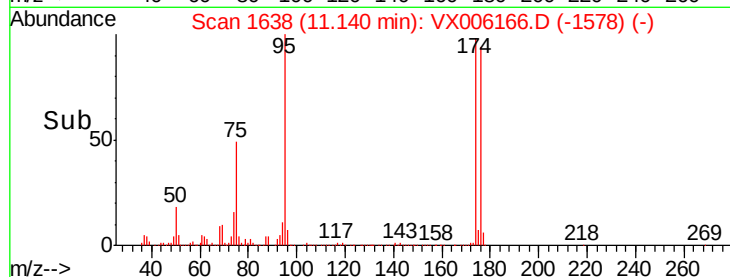
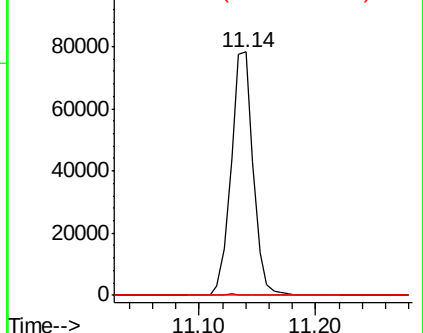
89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.266 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX006166.D

Acq: 26 Nov 2018 11:11

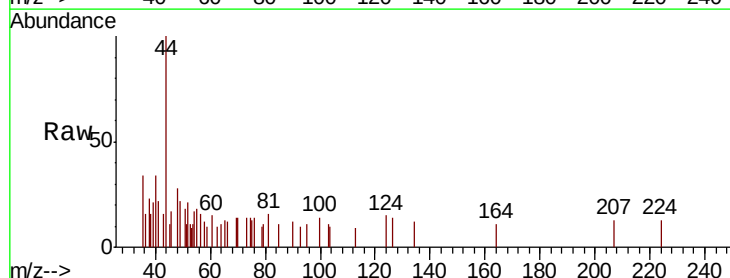
Tgt Ion: 75 Resp: 315

Ion Ratio Lower Upper

75 100

155 18.7 46.1 138.3#

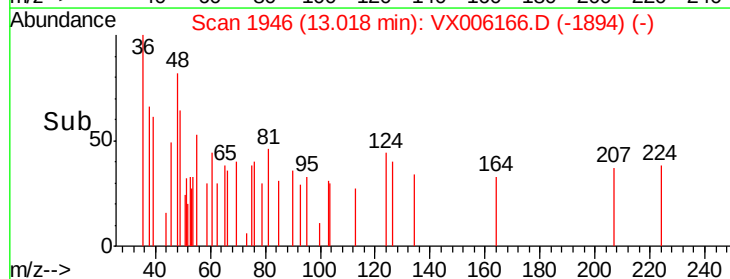
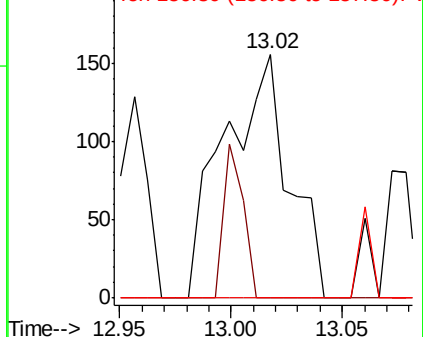
157 0.0 59.8 179.3#

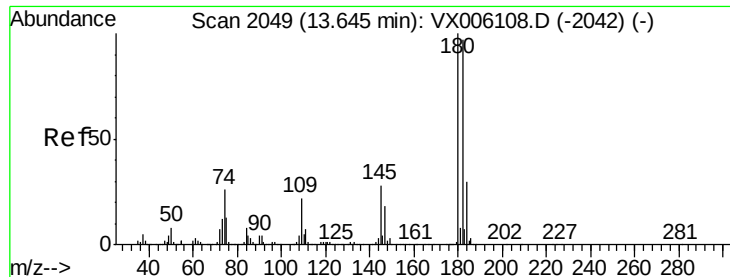


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

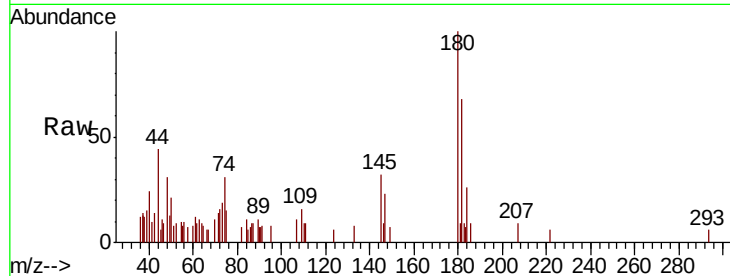




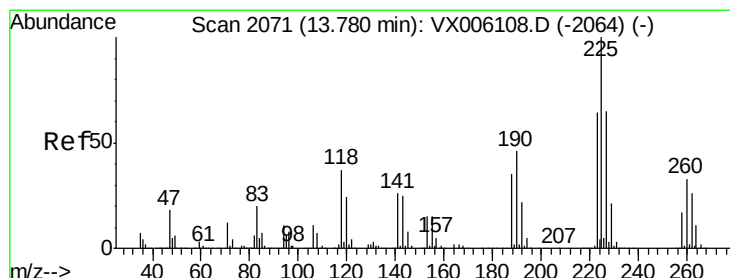
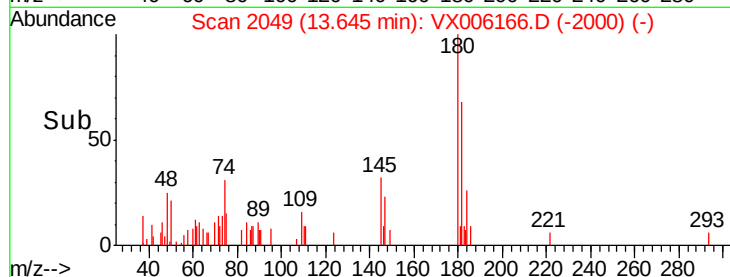
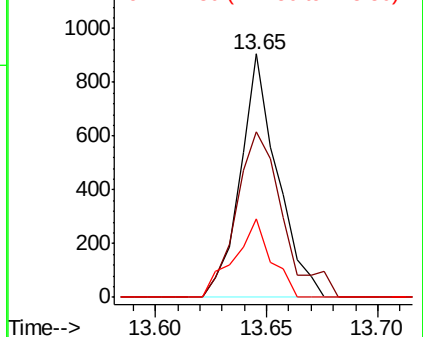
#93
 1,2,4-Trichlorobenzene
 Concen: 0.208 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006166.D
 Acq: 26 Nov 2018 11:11

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 1047
 Ion Ratio Lower Upper
 180 100
 182 84.9 48.2 144.6
 145 32.7 14.1 42.2

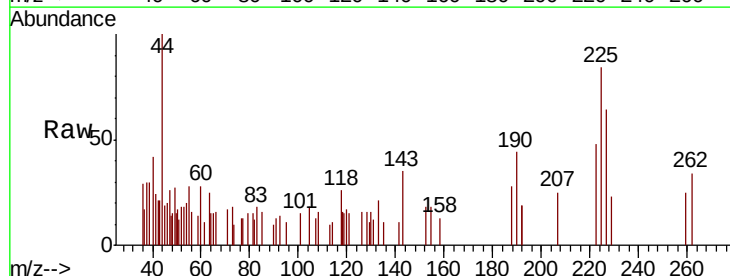


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 0.206 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX006166.D
 Acq: 26 Nov 2018 11:11

Tgt Ion:225 Resp: 505
 Ion Ratio Lower Upper
 225 100
 223 72.5 31.2 93.6
 227 78.2 32.4 97.2



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

