

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112618\
 Data File : VX006176.D
 Acq On : 26 Nov 2018 15:38
 Operator : JC/MD
 Sample : J6044-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 27 02:28:28 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	327442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	500853	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	465980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	235362	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	199086	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
35) Dibromofluoromethane	5.51	113	160094	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
50) Toluene-d8	8.71	98	603473	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	11.14	95	222177	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	740	0.241	ug/l	94
5) Bromomethane	1.64	94	692	3.981	ug/l #	76
6) Chloroethane	1.90	64	534	Below Cal	#	43
10) Methyl Iodide	2.51	142	1482	0.487	ug/l #	92
11) Tert butyl alcohol	3.07	59	844343	1046.097	ug/l	98
13) Acrolein	2.29	56	62258	128.904	ug/l	98
14) Allyl chloride	2.71	41	2116	0.437	ug/l #	26
15) Acrylonitrile	3.07	53	8511	4.774	ug/l #	20
16) Acetone	2.45	43	1227323	728.955	ug/l	99
17) Carbon Disulfide	2.57	76	3119	0.489	ug/l #	89
18) Methyl Acetate	2.78	43	55816	12.927	ug/l	100
20) Methylene Chloride	2.86	84	125540	49.258	ug/l	98
21) trans-1,2-Dichloroethene	3.18	96	514	0.208	ug/l #	49
22) Diisopropyl ether	4.02	45	43234	4.175	ug/l #	1
23) Vinyl Acetate	4.02	43	100605	11.711	ug/l #	75
25) 2-Butanone	4.70	43	1013420	324.281	ug/l	98
29) Tetrahydrofuran	5.17	42	7858	4.031	ug/l #	73
36) 1,1-Dichloropropene	5.67	75	23236	5.099	ug/l #	51
37) Ethyl Acetate	4.70	43	1012769	172.760	ug/l #	70
38) Carbon Tetrachloride	5.67	117	29641	6.921	ug/l #	16
40) Benzene	6.13	78	7467	0.556	ug/l	91
41) Methacrylonitrile	5.19	41	26888	8.323	ug/l #	47
43) Isopropyl Acetate	6.47	43	8935	1.055	ug/l #	65
48) Methyl methacrylate	7.66	41	226698	52.798	ug/l #	44
49) 1,4-Dioxane	7.76	88	3510	34.457	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	8661	1.427	ug/l	93
52) Toluene	8.79	92	10070	1.213	ug/l	94
56) Ethyl methacrylate	9.24	69	261	2.909	ug/l #	23
58) 2-Chloroethyl Vinyl ether	8.33	63	373	6.838	ug/l	94
59) 2-Hexanone	9.49	43	72805	15.115	ug/l	98
60) Dibromochloromethane	9.34	129	1596	0.453	ug/l #	10
64) Tetrachloroethene	9.34	164	1537	0.401	ug/l	88
67) Ethyl Benzene	10.26	91	5265	0.336	ug/l	100
68) m/p-Xylenes	10.36	106	7315	1.200	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112618\
 Data File : VX006176.D
 Acq On : 26 Nov 2018 15:38
 Operator : JC/MD
 Sample : J6044-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

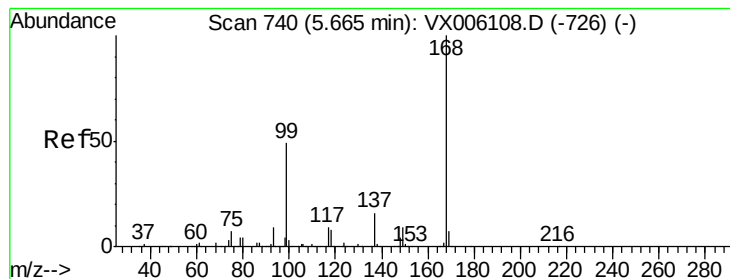
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 27 02:28:28 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)

69) o-Xylene	10.70	106	3800	0.653	ug/l	99
70) Styrene	10.71	104	5734	0.604	ug/l #	86
74) N-amyl acetate	10.91	43	22391	5.142	ug/l #	17
75) 1,1,2,2-Tetrachloroethane	11.21	83	4005	0.746	ug/l #	25
76) 1,2,3-Trichloropropane	11.14	75	112643	23.246	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	2993	0.249	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.14	75	112643	78.625	ug/l #	8
89) n-Butylbenzene	12.39	91	3177	0.275	ug/l	93
90) Hexachloroethane	12.60	117	472	0.231	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.01	75	655	0.526	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.65	180	1218	0.230	ug/l #	89
94) Hexachlorobutadiene	13.78	225	673	0.261	ug/l	90
95) Naphthalene	13.83	128	12618	0.810	ug/l #	88
96) 1,2,3-Trichlorobenzene	14.02	180	1144	0.212	ug/l #	81

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

Instrument :

MSVOA_X

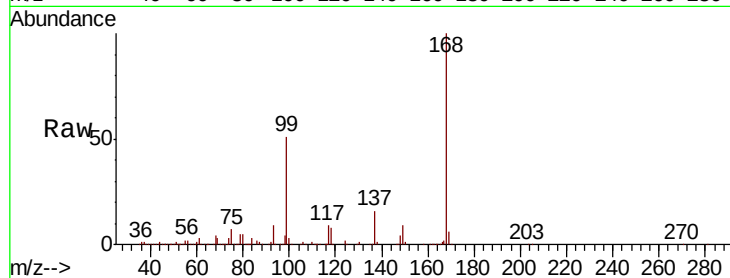
ClientSampled :

Tot Ion:168 Resp: 327442

Ion Ratio Lower Upper

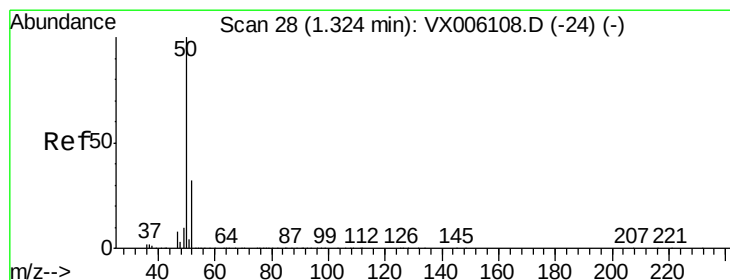
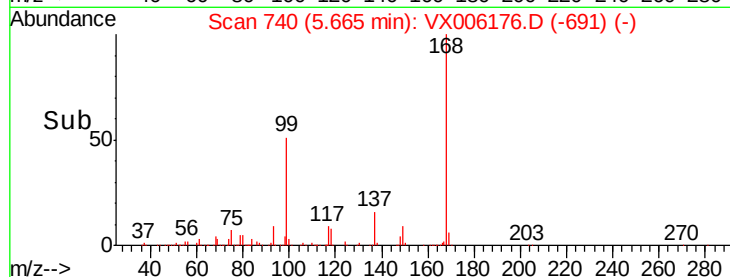
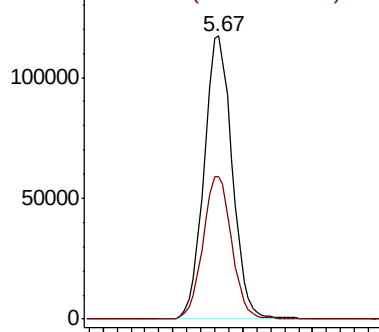
168 100

99 50.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.241 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006176.D

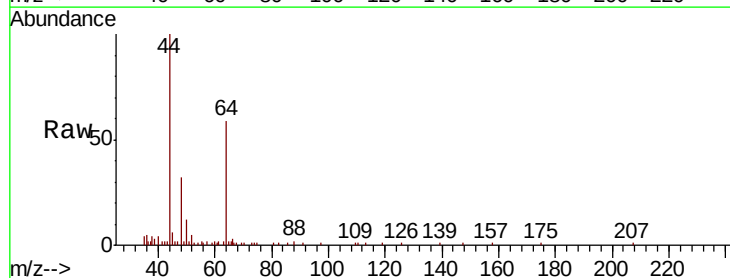
Acq: 26 Nov 2018 15:38

Tgt Ion: 50 Resp: 740

Ion Ratio Lower Upper

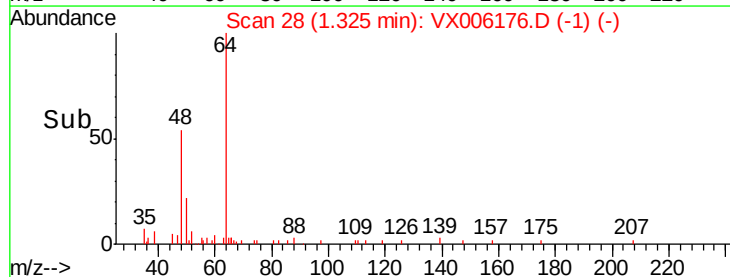
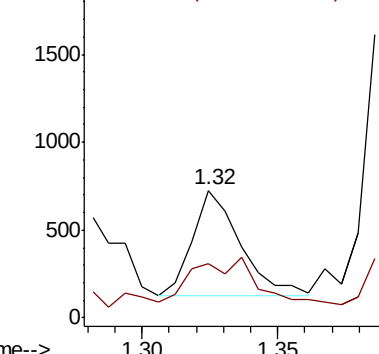
50 100

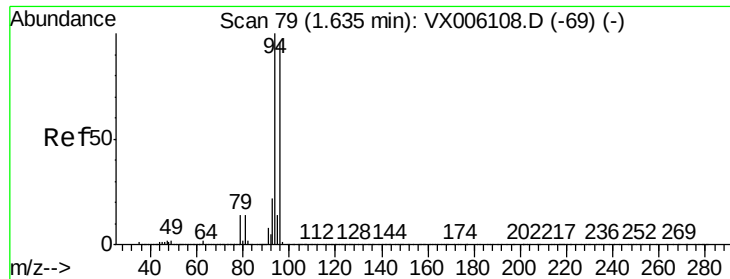
52 35.6 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 3.981 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

Instrument :

MSVOA_X

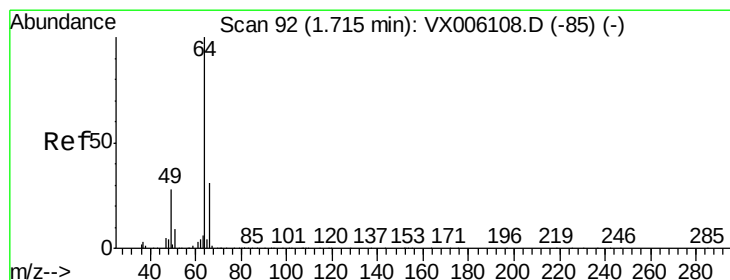
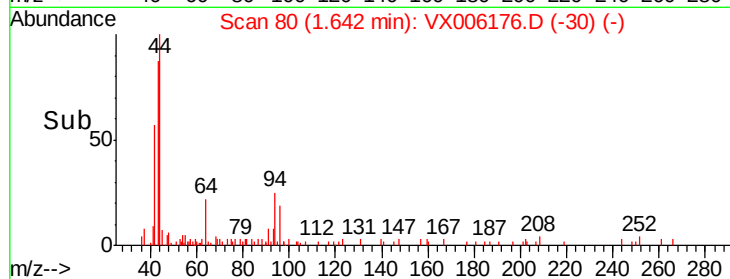
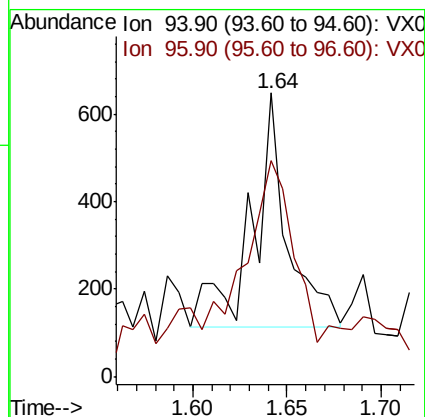
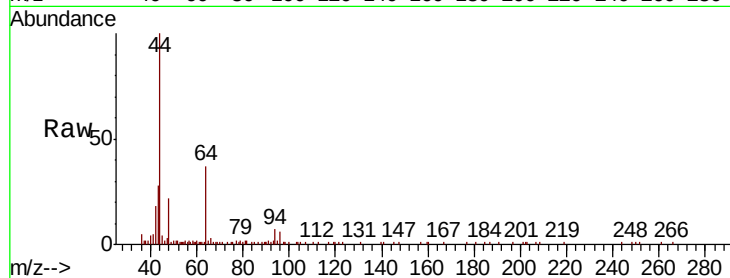
ClientSampleId :

Tot Ion: 94 Resp: 692

Ion Ratio Lower Upper

94 100

96 72.3 76.7 115.1#



#6

Chloroethane

Concen: Below Cal

RT: 1.90 min Scan# 123

Delta R.T. 0.19 min

Lab File: VX006176.D

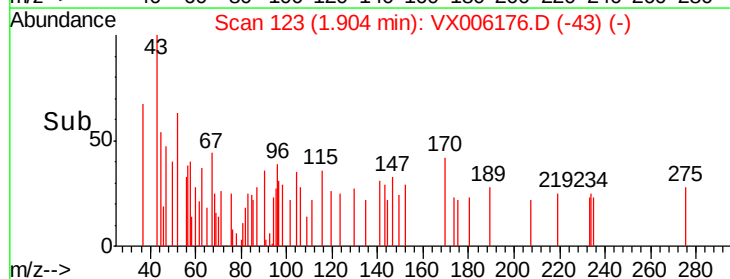
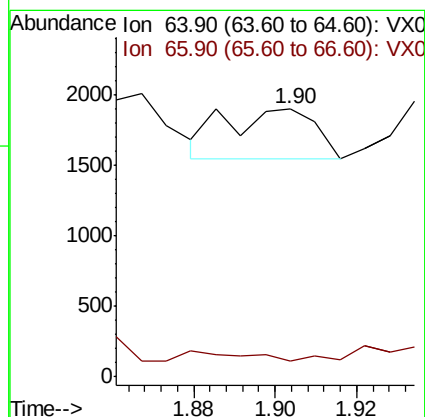
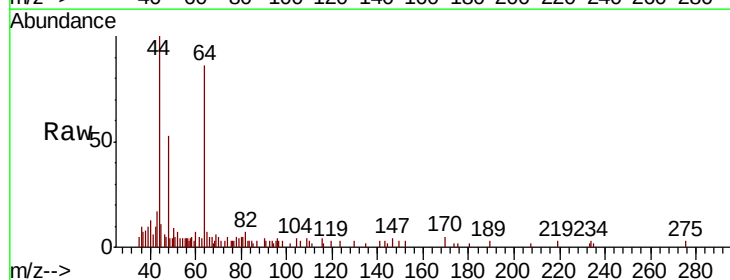
Acq: 26 Nov 2018 15:38

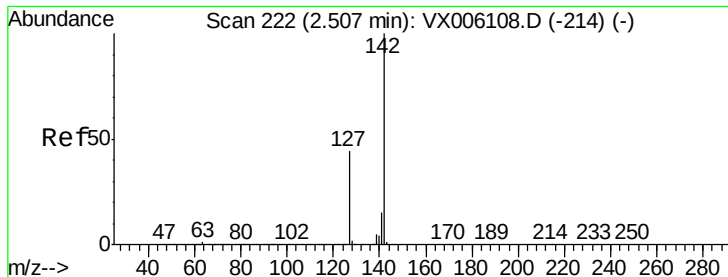
Tgt Ion: 64 Resp: 534

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

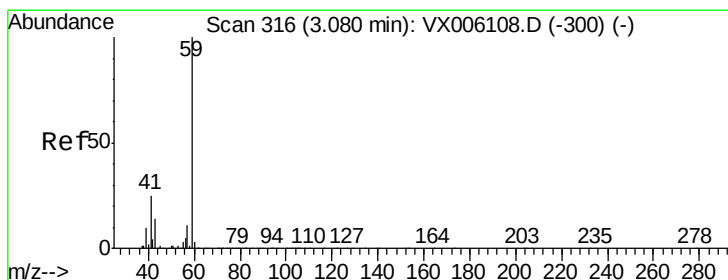
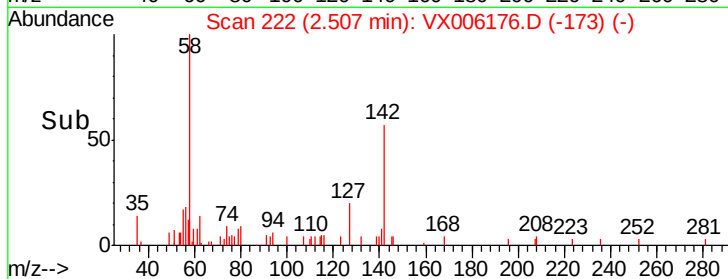
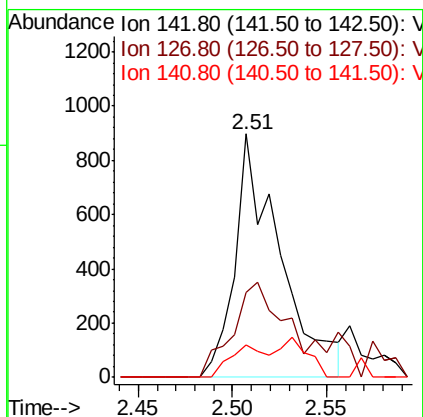
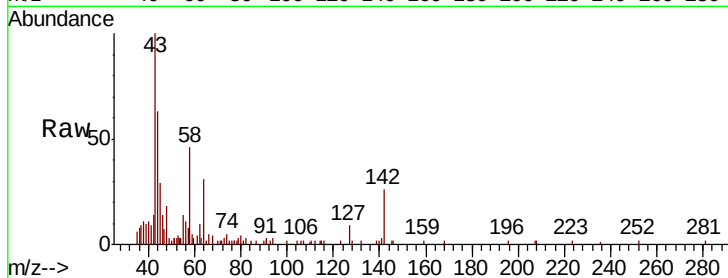




#10
Methvl Iodide
Concen: 0.487 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

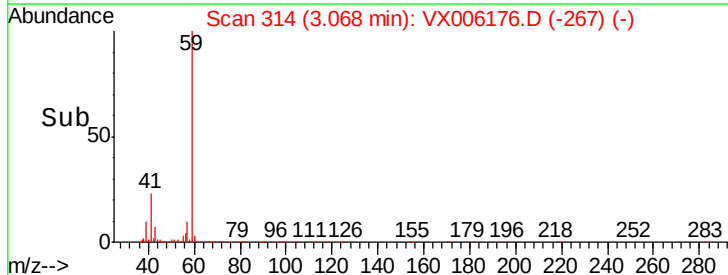
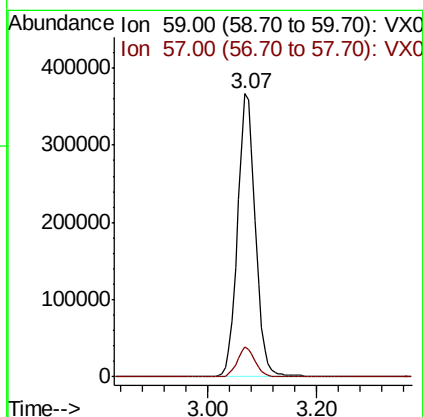
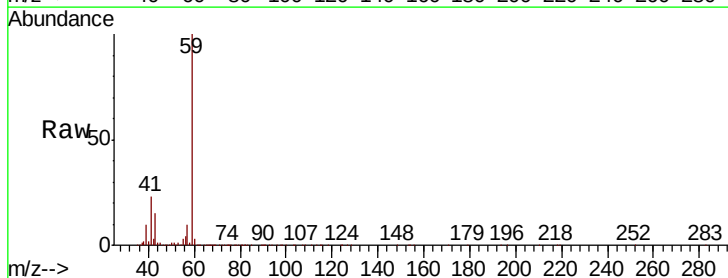
Instrument :
MSVOA_X
ClientSampled :

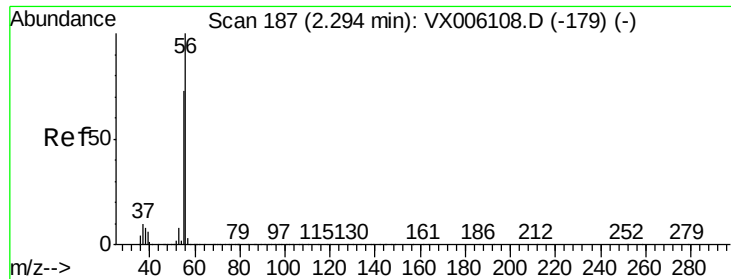
Tot Ion:142 Resp: 1482
Ion Ratio Lower Upper
142 100
127 50.2 36.0 54.0
141 10.9 11.7 17.5#



#11
Tert butyl alcohol
Concen: 1046.097 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

Tgt Ion: 59 Resp: 844343
Ion Ratio Lower Upper
59 100
57 10.2 8.7 13.1





#13

Acrolein

Concen: 128.904 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

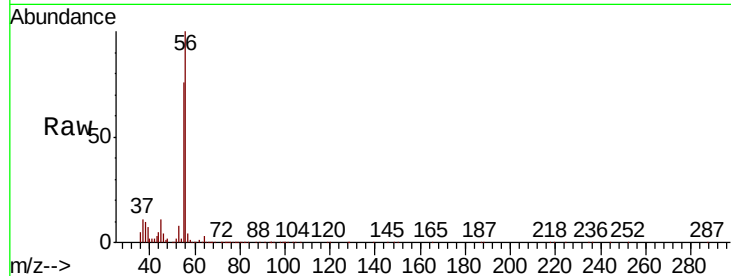
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 62258

Ion Ratio Lower Upper

56 100

55 73.9 57.8 86.6

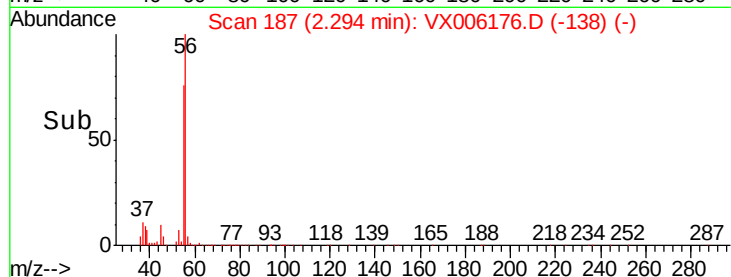


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

Time-->

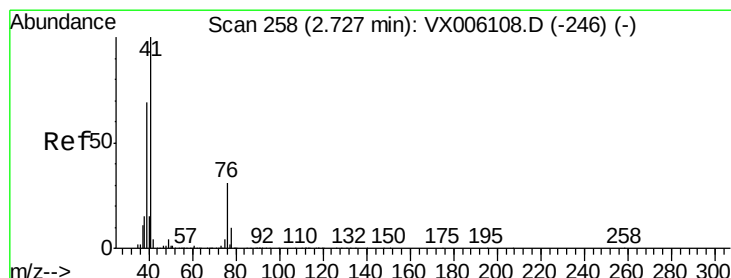


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

Time-->



#14

Allyl chloride

Concen: 0.437 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.01 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

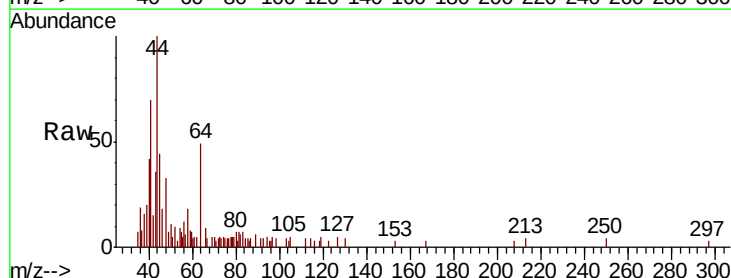
Tgt Ion: 41 Resp: 2116

Ion Ratio Lower Upper

41 100

39 0.0 52.5 78.7#

76 0.0 23.4 35.2#



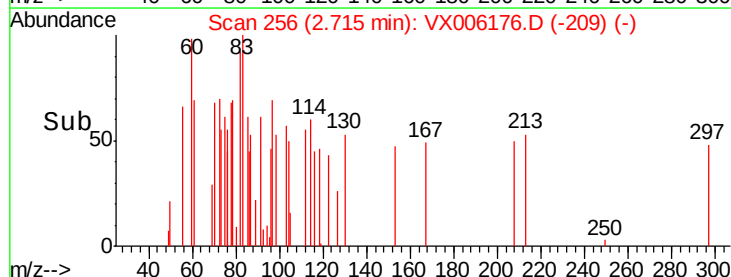
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.71

Time-->



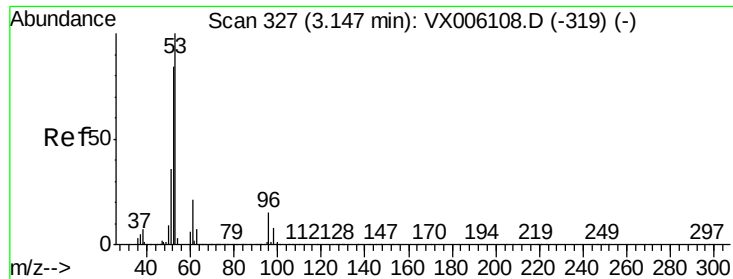
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.71

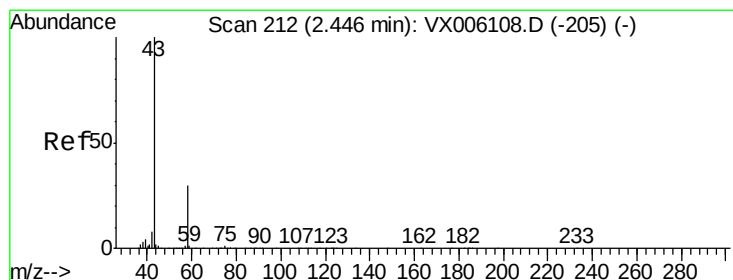
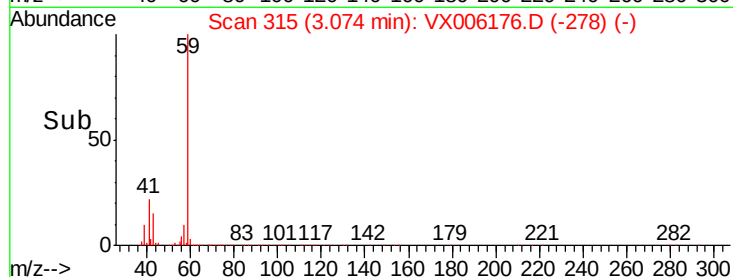
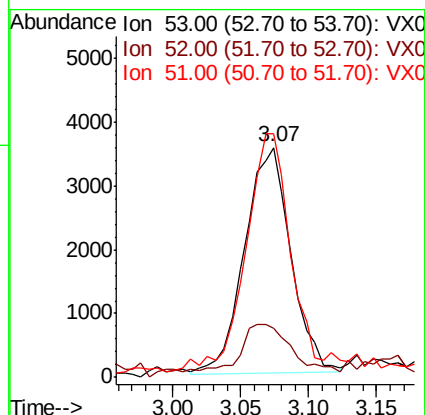
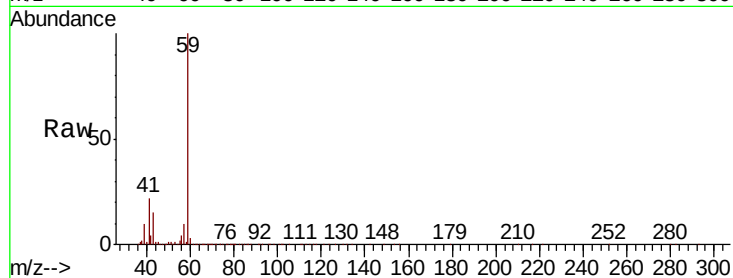
Time-->



#15
 Acrylonitrile
 Concen: 4.774 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.07 min
 Lab File: VX006176.D
 Acq: 26 Nov 2018 15:38

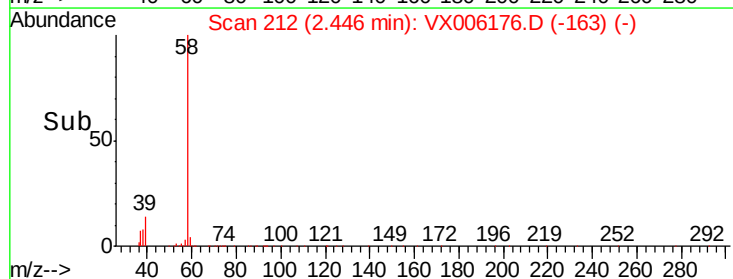
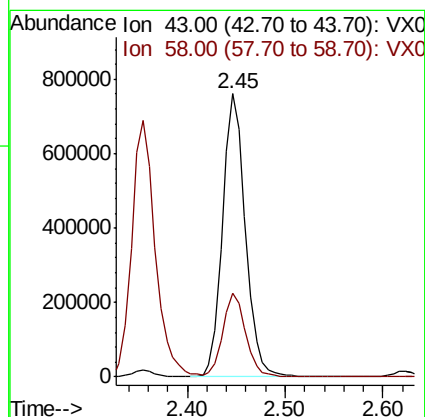
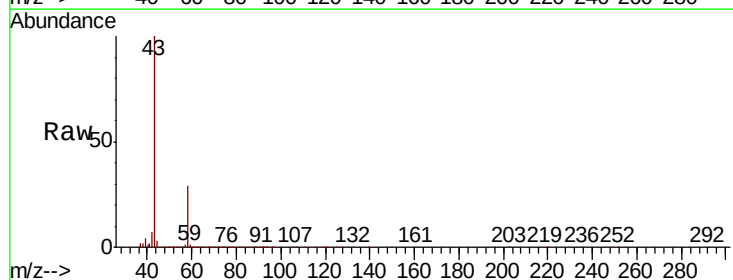
Instrument :
 MSVOA_X
 ClientSampleId :

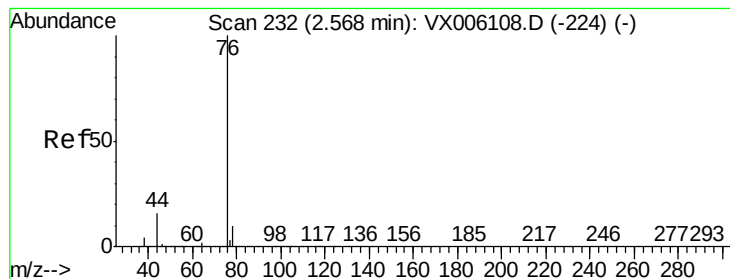
Tot Ion: 53 Resp: 8511
 Ion Ratio Lower Upper
 53 100
 52 22.4 66.4 99.6#
 51 100.6 29.4 44.0#



#16
 Acetone
 Concen: 728.955 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX006176.D
 Acq: 26 Nov 2018 15:38

Tgt Ion: 43 Resp: 1227323
 Ion Ratio Lower Upper
 43 100
 58 29.4 23.8 35.8





#17

Carbon Disulfide

Concen: 0.489 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

Instrument :

MSVOA_X

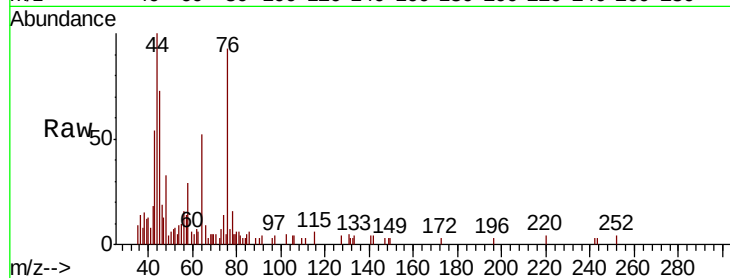
ClientSampled :

Tot Ion: 76 Resp: 3119

Ion Ratio Lower Upper

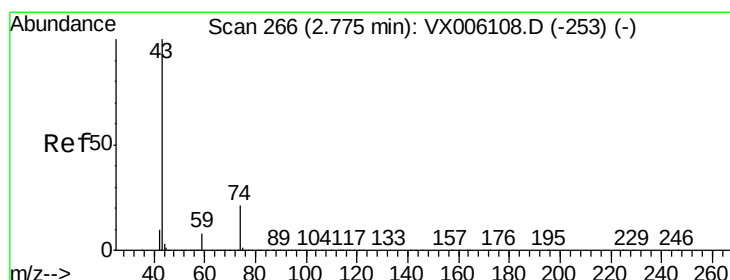
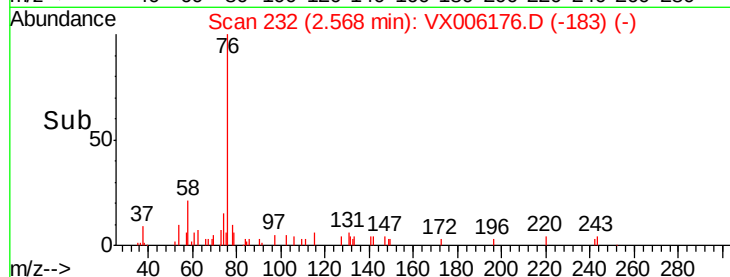
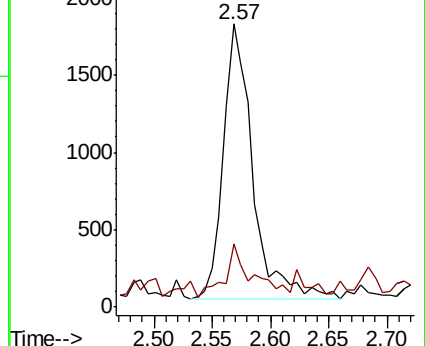
76 100

78 13.5 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: 12.927 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX006176.D

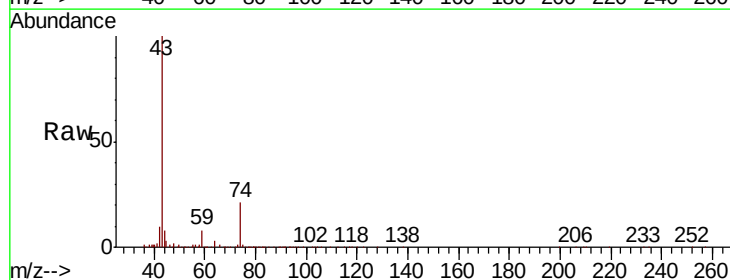
Acq: 26 Nov 2018 15:38

Tgt Ion: 43 Resp: 55816

Ion Ratio Lower Upper

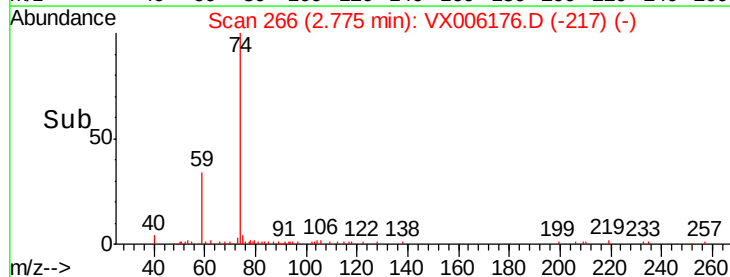
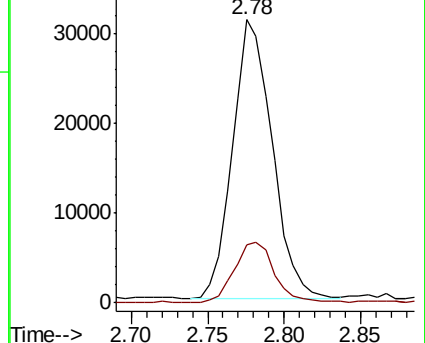
43 100

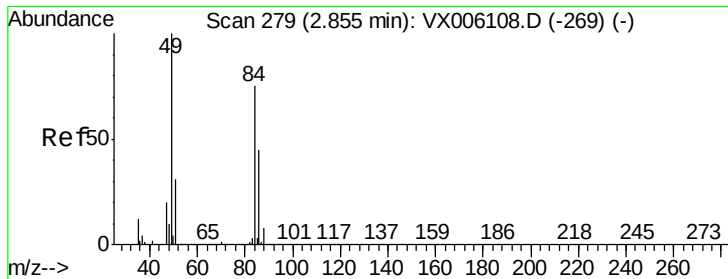
74 21.6 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

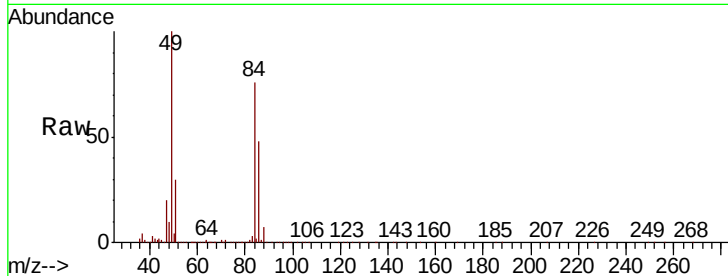




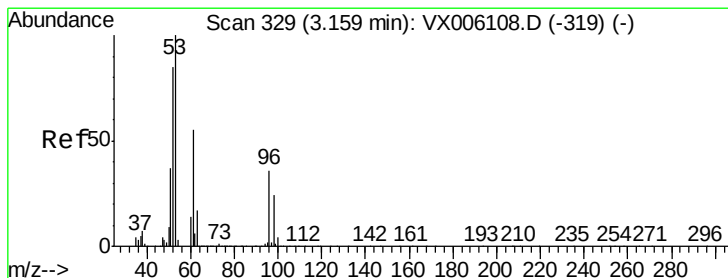
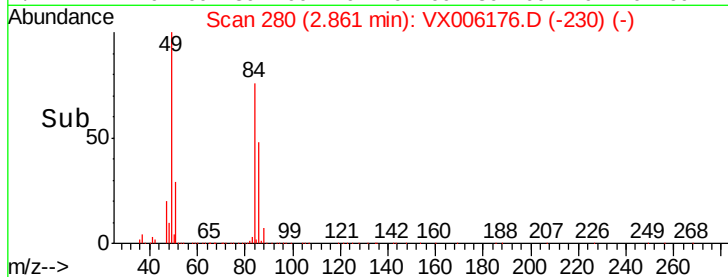
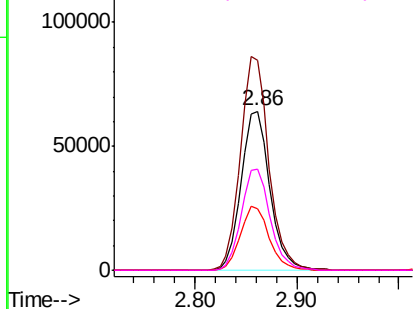
#20
Methylene Chloride
Concen: 49.258 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 84 Resp: 125540
Ion Ratio Lower Upper
84 100
49 131.7 106.6 159.8
51 38.7 32.6 49.0
86 63.3 48.4 72.6

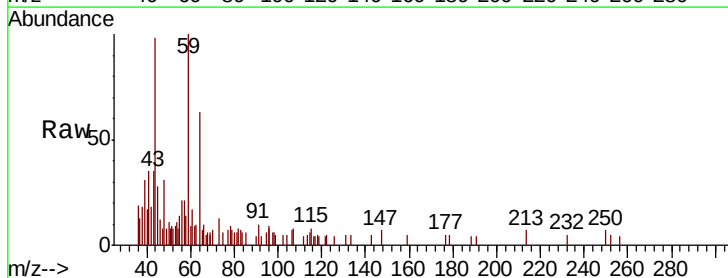


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

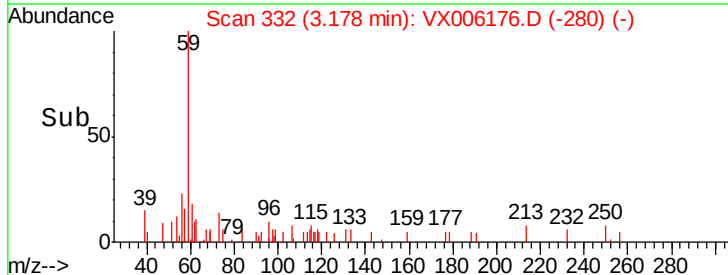
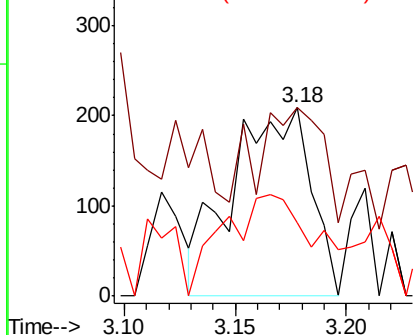


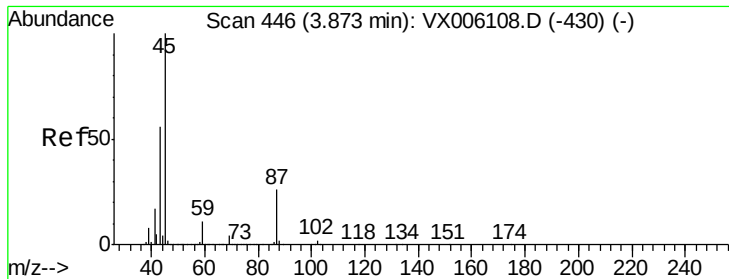
#21
trans-1,2-Dichloroethene
Concen: 0.208 ug/l
RT: 3.18 min Scan# 332
Delta R.T. 0.02 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

Tgt Ion: 96 Resp: 514
Ion Ratio Lower Upper
96 100
61 61.2 122.0 183.0#
98 69.9 52.7 79.1



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





#22

Diisopropyl ether

Concen: 4.175 ug/l

RT: 4.02 min Scan# 470

Delta R.T. 0.15 min

Lab File: VX006176.D

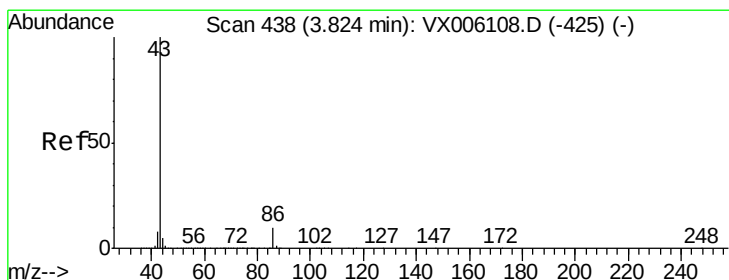
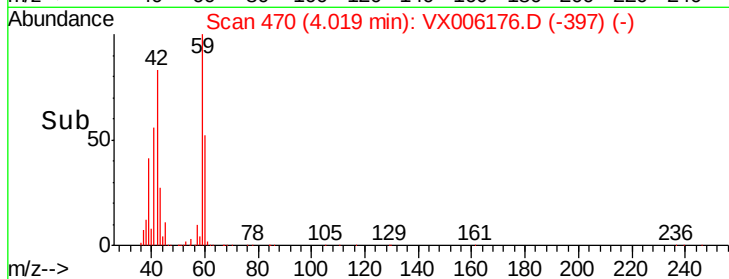
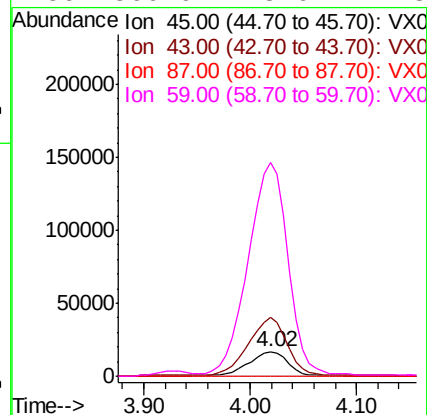
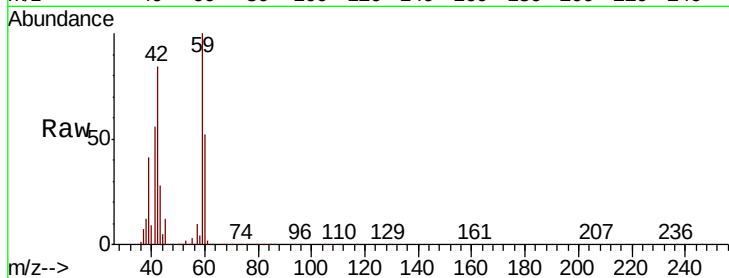
Acq: 26 Nov 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	45	Resp:	43234
Ion	Ratio	Lower	Upper
45	100		
43	234.2	45.8	68.8#
87	0.0	21.0	31.4#
59	860.9	8.6	12.8#



#23

Vinyl Acetate

Concen: 11.711 ug/l

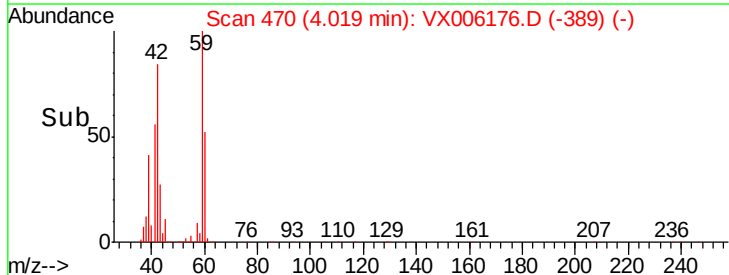
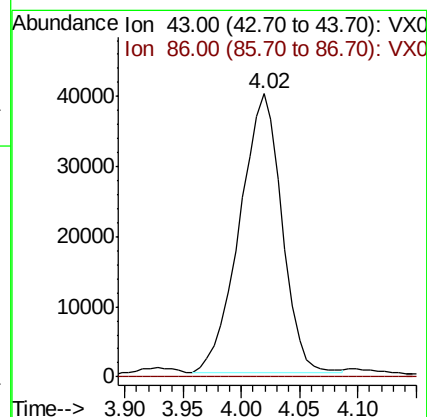
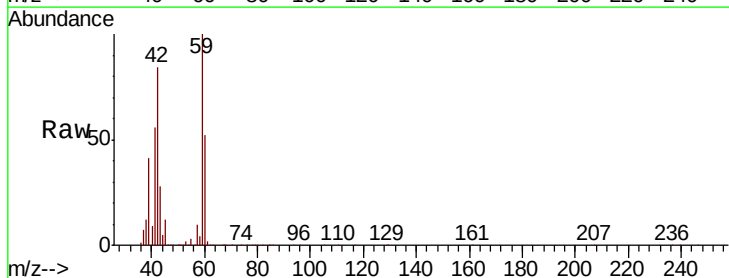
RT: 4.02 min Scan# 470

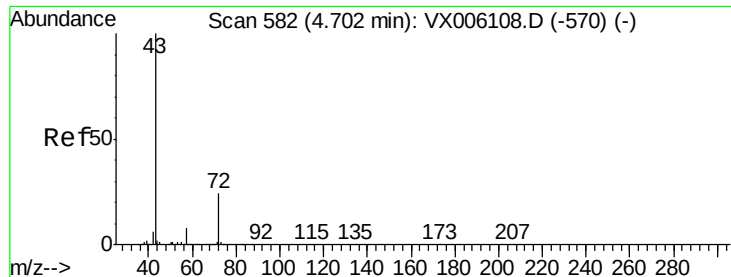
Delta R.T. 0.20 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

Tgt Ion:	43	Resp:	100605
Ion	Ratio	Lower	Upper
43	100		
86	0.2	7.6	11.4#





#25

2-Butanone

Concen: 324.281 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

Instrument :

MSVOA_X

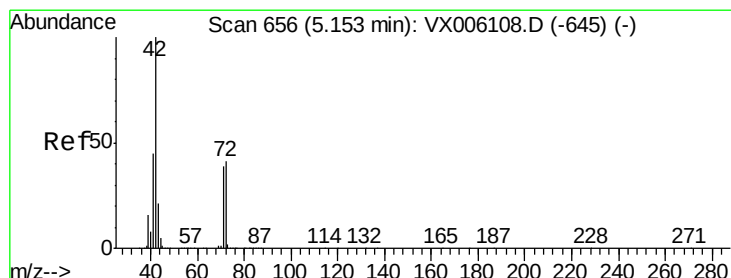
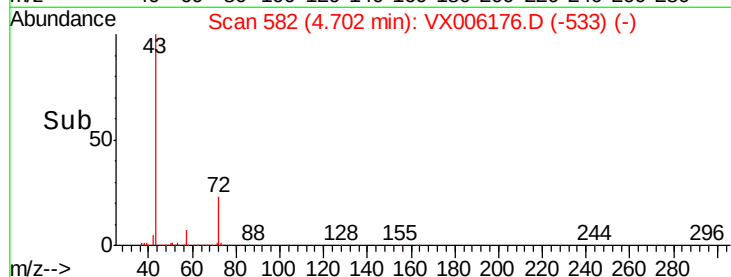
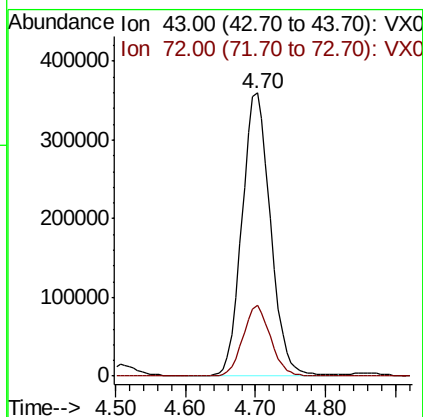
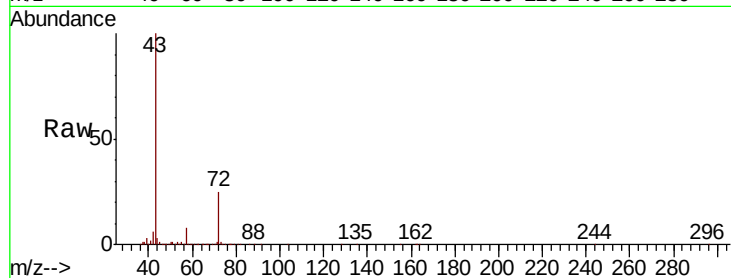
ClientSampleId :

Tot Ion: 43 Resp: 1013420

Ion Ratio Lower Upper

43 100

72 24.8 19.2 28.8



#29

Tetrahydrofuran

Concen: 4.031 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

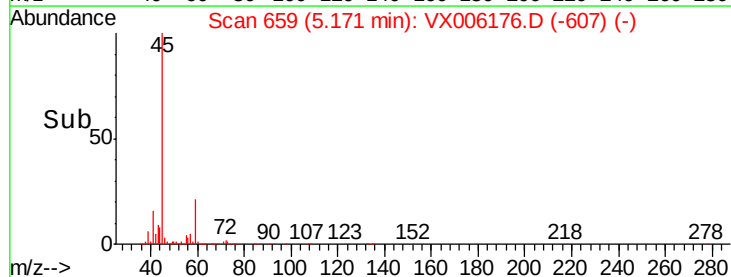
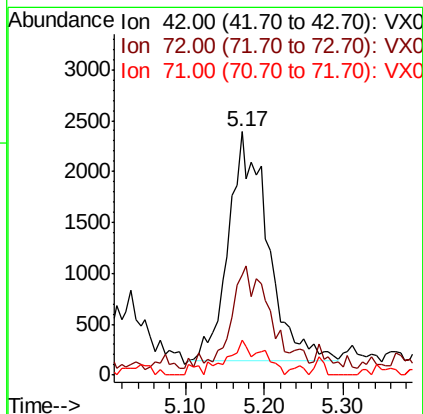
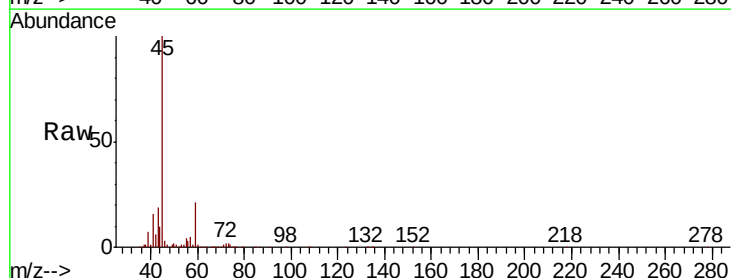
Tgt Ion: 42 Resp: 7858

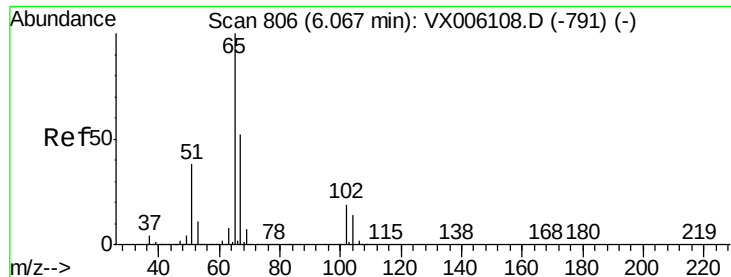
Ion Ratio Lower Upper

42 100

72 37.1 33.0 49.6

71 8.5 31.0 46.4#





#33

1,2-Dichloroethane-d4

Concen: 52.471 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

Instrument :

MSVOA_X

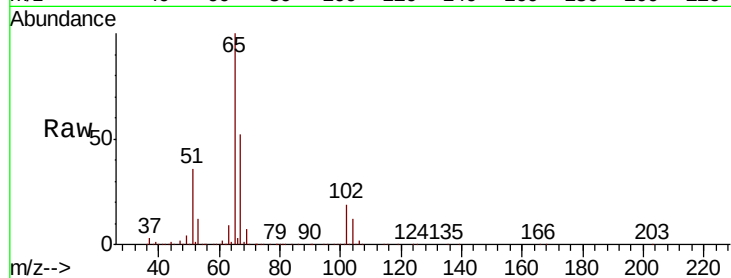
ClientSampleId :

Tot Ion: 65 Resp: 199086

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

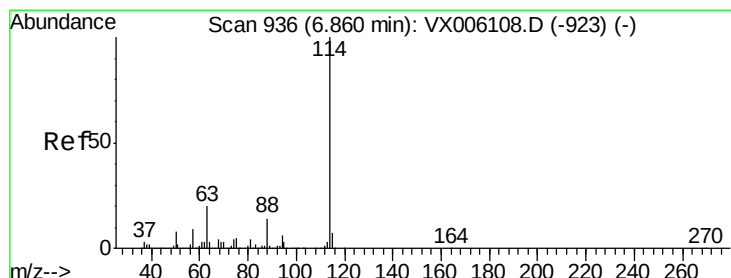
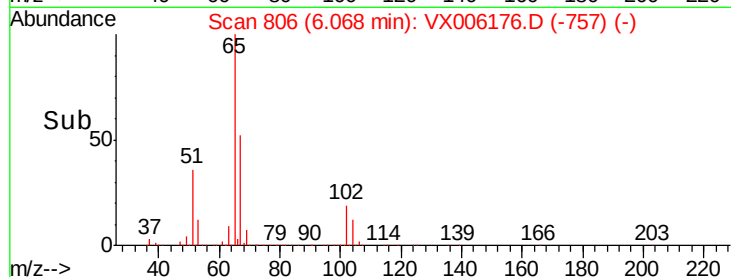
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

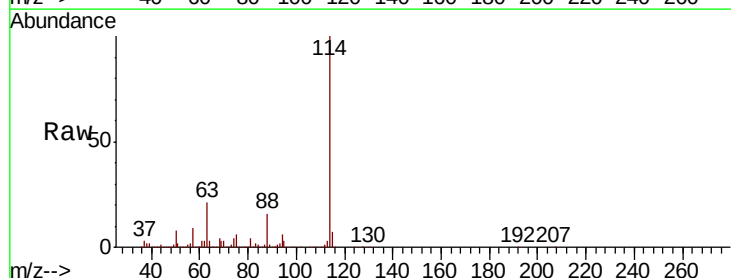
Tgt Ion: 114 Resp: 500853

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.2

88 15.7 0.0 28.6



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

6.86

250000

200000

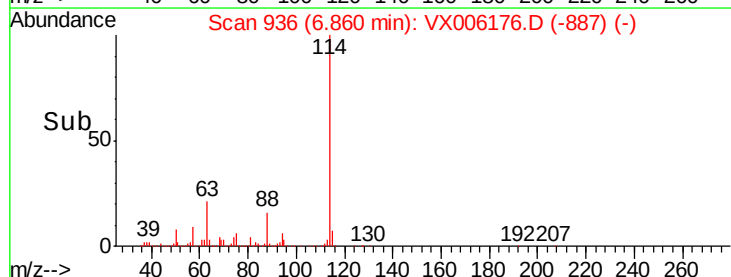
150000

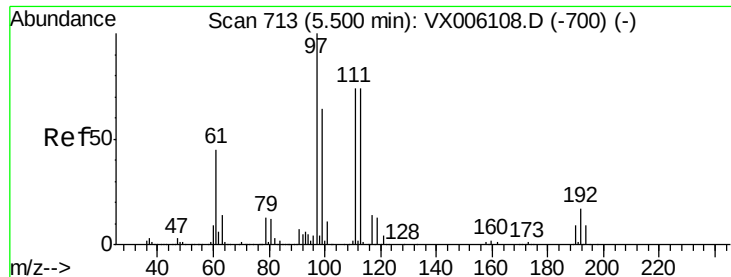
100000

50000

0

Time--> 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 49.795 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

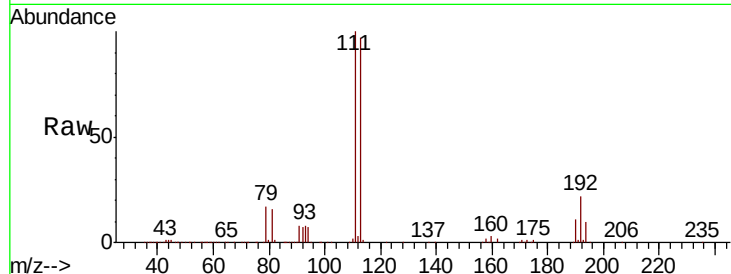
Tot Ion:113 Resp: 160094

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

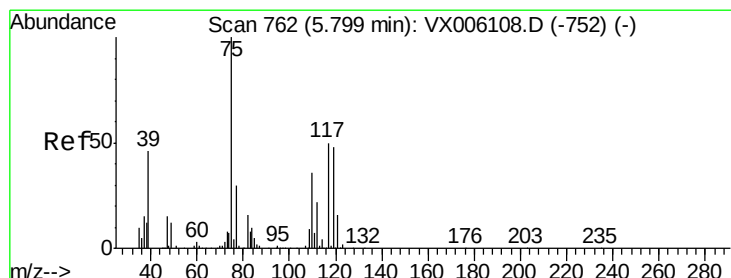
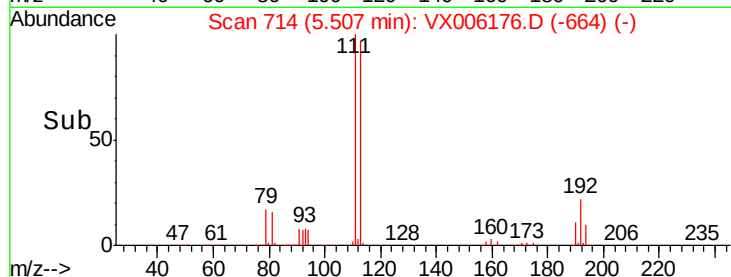
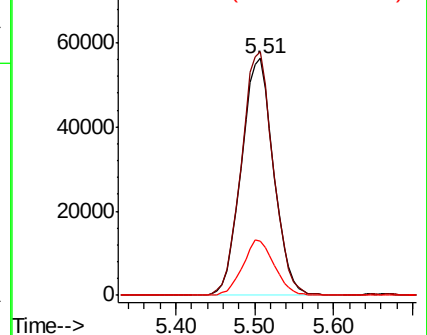
192 22.8 18.6 28.0



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: 5.099 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

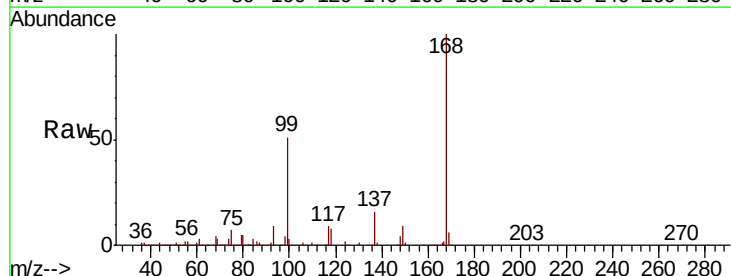
Tgt Ion: 75 Resp: 23236

Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.3#

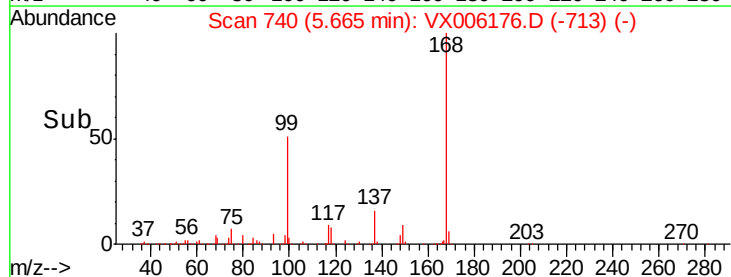
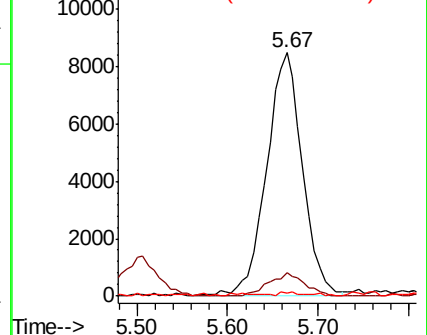
77 0.9 24.5 36.7#

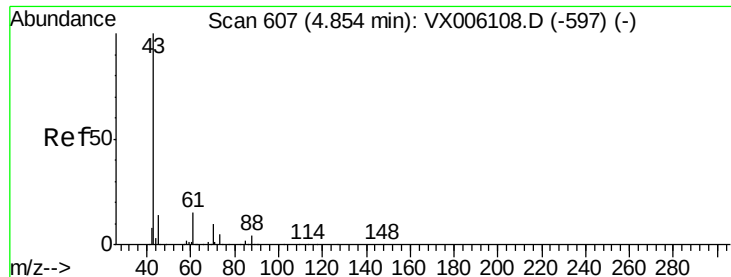


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

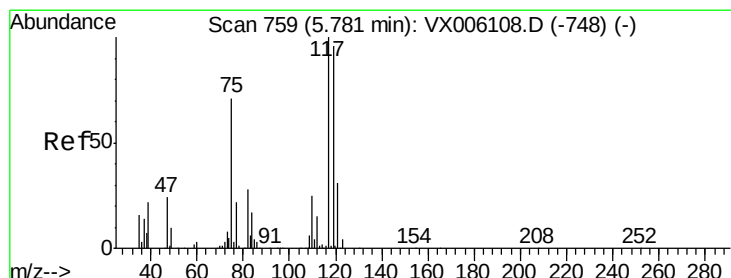
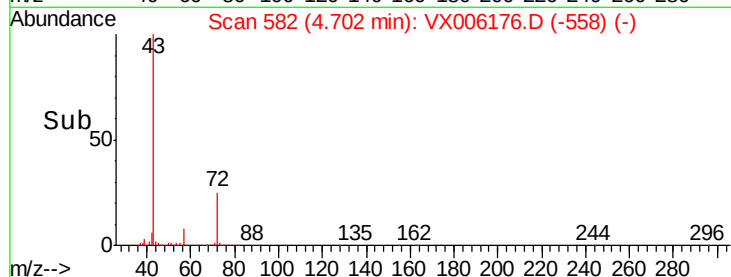
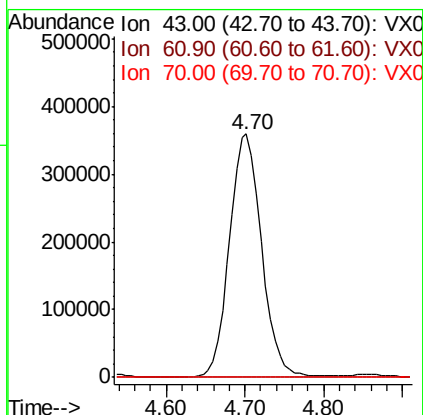
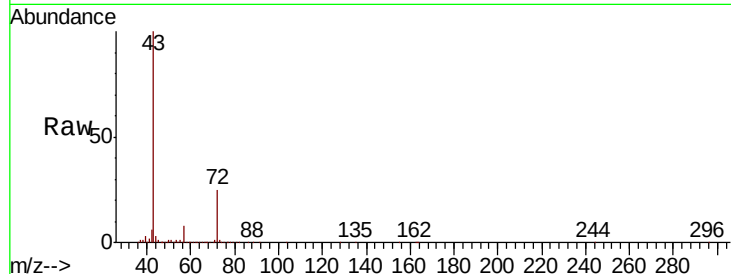




#37
Ethyl Acetate
Concen: 172.760 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.15 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

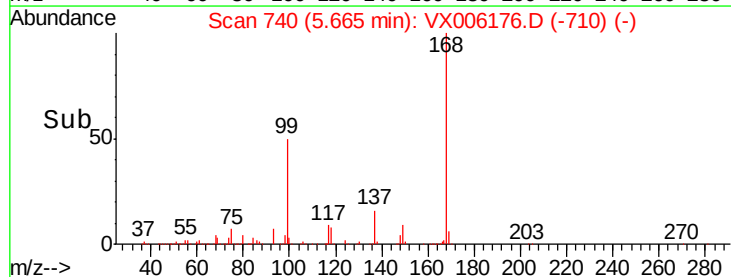
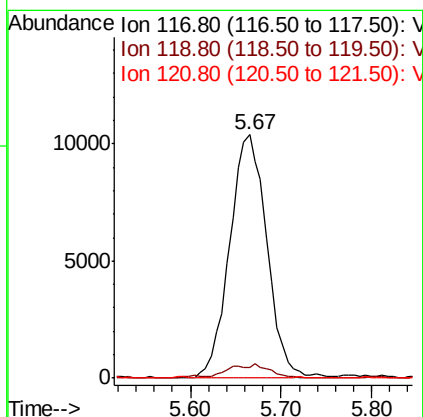
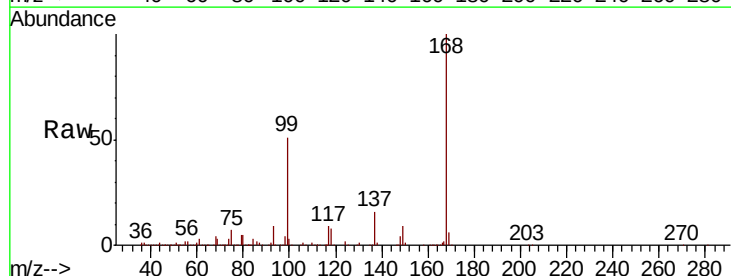
Instrument :
MSVOA_X
ClientSampleId :

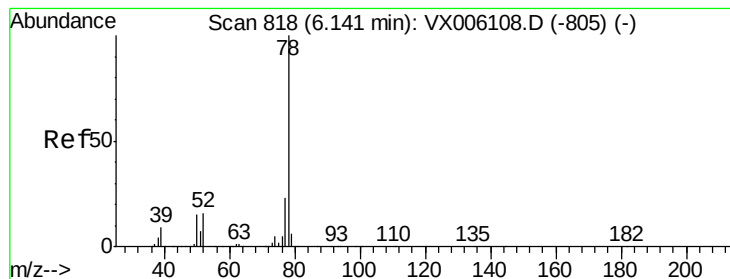
Tot Ion: 43 Resp: 1012769
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.921 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

Tgt Ion: 117 Resp: 29641
Ion Ratio Lower Upper
117 100
119 4.5 76.3 114.5#
121 0.0 24.7 37.1#





#40

Benzene

Concen: 0.556 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

Instrument :

MSVOA_X

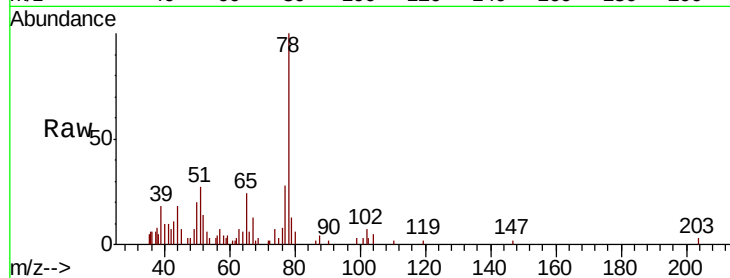
ClientSampleId :

Tot Ion: 78 Resp: 7467

Ion Ratio Lower Upper

78 100

77 27.8 18.8 28.2

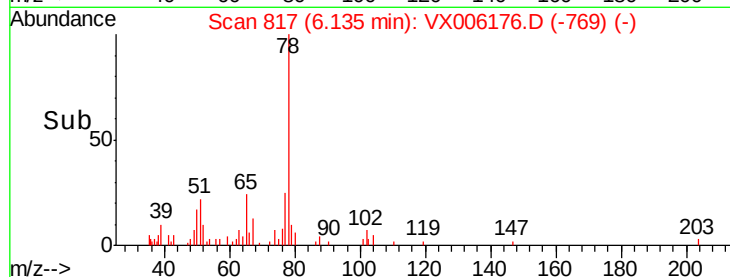


Abundance Ion 78.00 (77.70 to 78.70): VX006108.D (-805) (-)

Ion 77.00 (76.70 to 77.70): VX006108.D (-805) (-)

6.13

Time-->

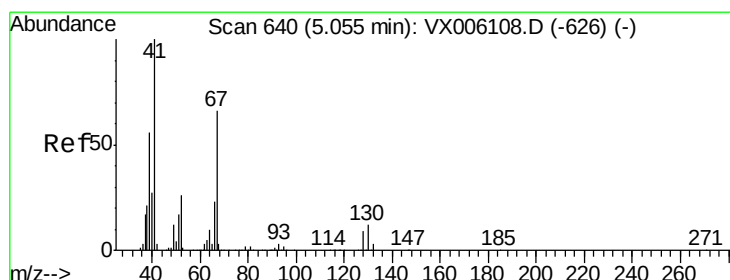


Abundance Ion 78.00 (77.70 to 78.70): VX006176.D (-769) (-)

Ion 77.00 (76.70 to 77.70): VX006176.D (-769) (-)

6.13

Time-->



#41

Methacrylonitrile

Concen: 8.323 ug/l

RT: 5.19 min Scan# 662

Delta R.T. 0.13 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

Tgt Ion: 41 Resp: 26888

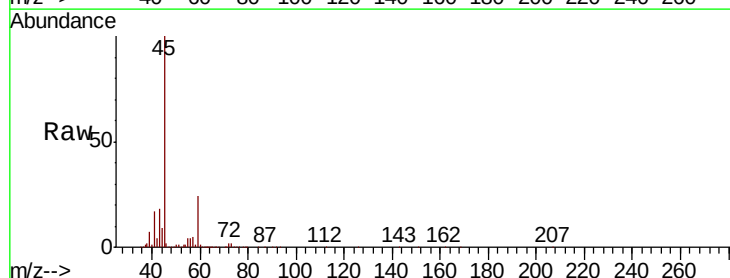
Ion Ratio Lower Upper

41 100

39 41.6 44.1 66.1#

67 0.7 54.1 81.1#

52 1.1 21.7 32.5#



Abundance Ion 41.00 (40.70 to 41.70): VX006108.D (-626) (-)

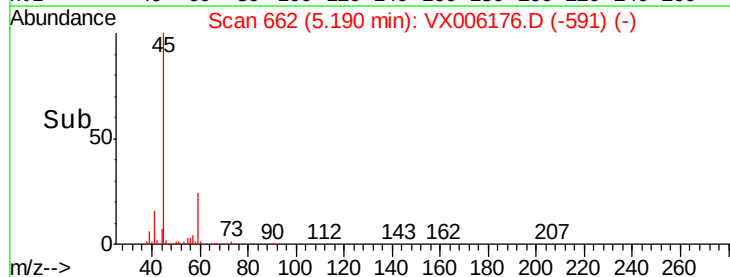
Ion 39.00 (38.70 to 39.70): VX006108.D (-626) (-)

Ion 67.00 (66.70 to 67.70): VX006108.D (-626) (-)

Ion 52.00 (51.70 to 52.70): VX006108.D (-626) (-)

5.19

Time-->



Abundance Ion 41.00 (40.70 to 41.70): VX006176.D (-591) (-)

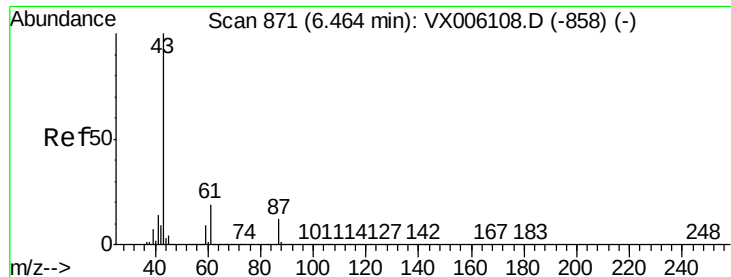
Ion 39.00 (38.70 to 39.70): VX006176.D (-591) (-)

Ion 67.00 (66.70 to 67.70): VX006176.D (-591) (-)

Ion 52.00 (51.70 to 52.70): VX006176.D (-591) (-)

5.19

Time-->



#43

Isopropyl Acetate

Concen: 1.055 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

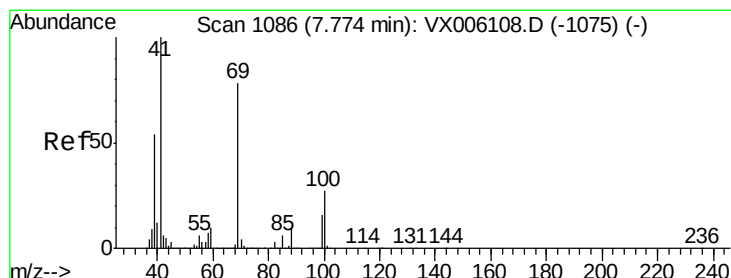
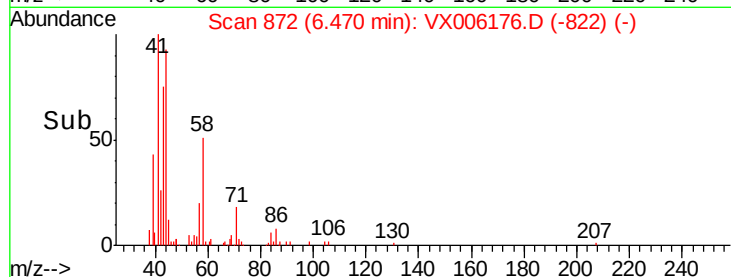
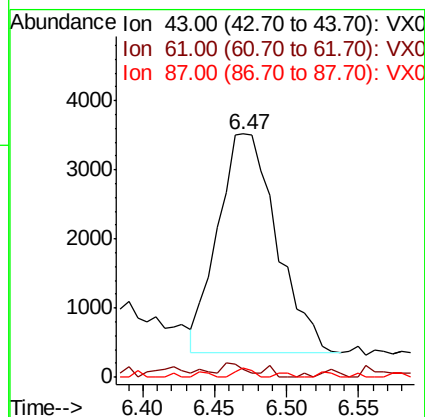
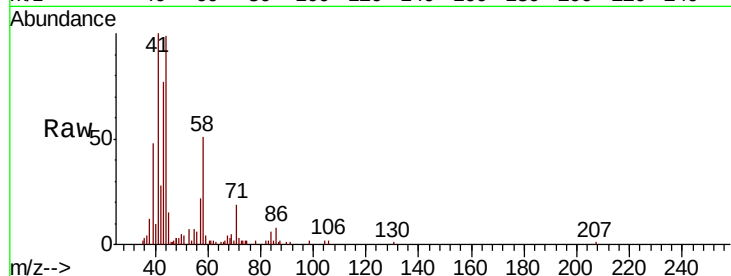
Tot Ion: 43 Resp: 8935

Ion Ratio Lower Upper

43 100

61 1.4 15.2 22.8#

87 1.3 9.6 14.4#



#48

Methyl methacrylate

Concen: 52.798 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.11 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

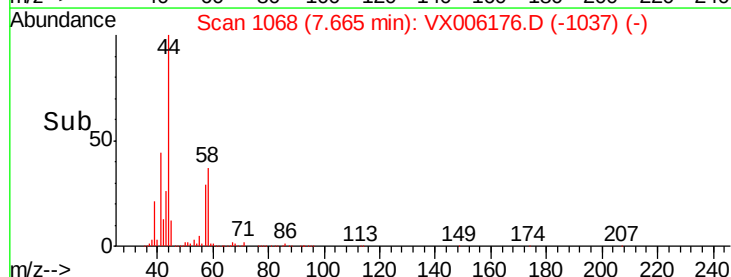
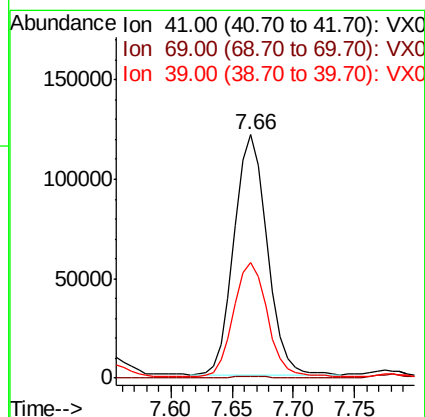
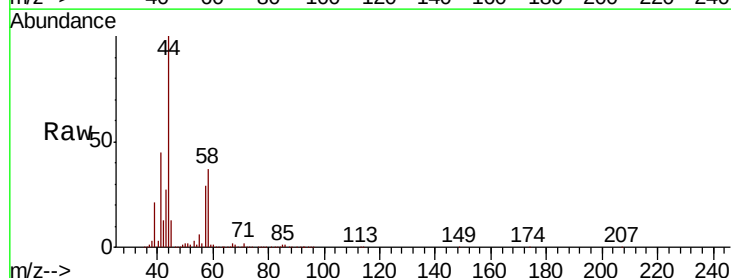
Tgt Ion: 41 Resp: 226698

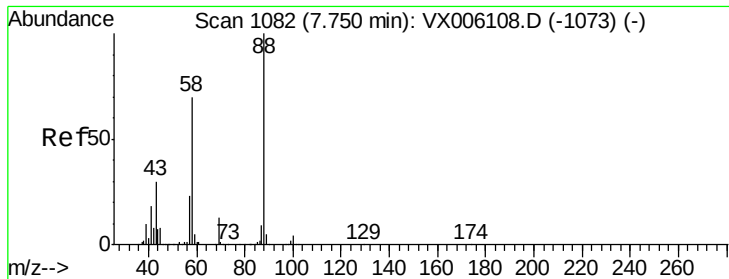
Ion Ratio Lower Upper

41 100

69 0.7 62.8 94.2#

39 49.1 43.8 65.6

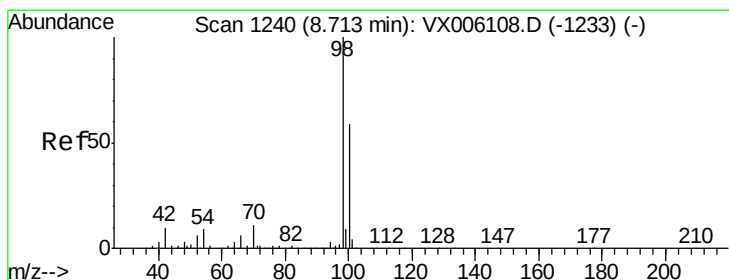
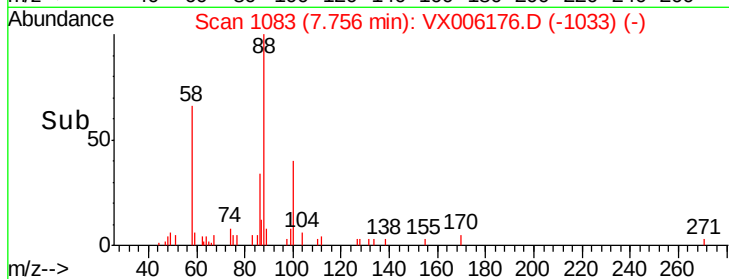
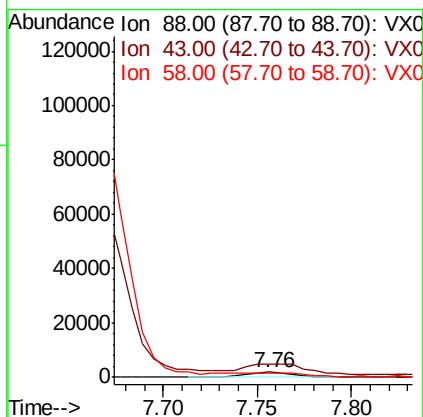
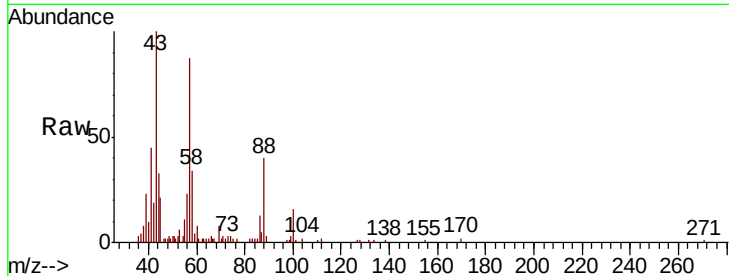




#49
1,4-Dioxane
Concen: 34.457 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

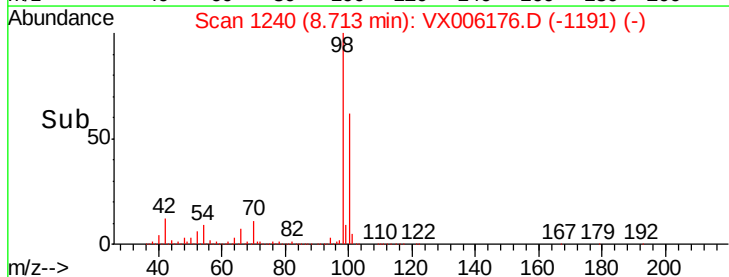
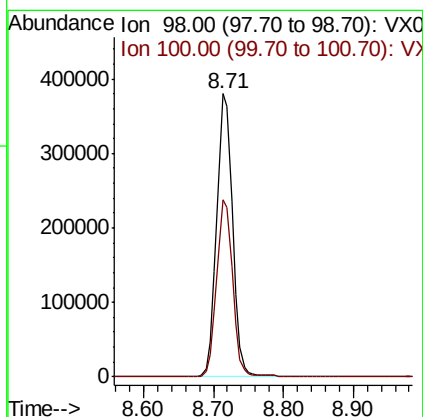
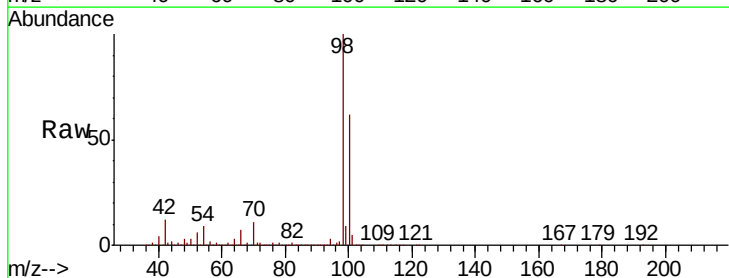
Instrument :
MSVOA_X
ClientSampled :

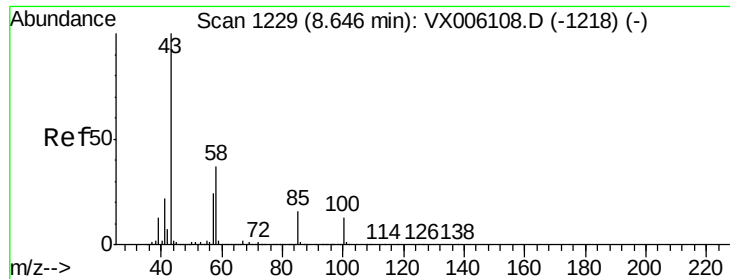
Tot Ion: 88 Resp: 3510
Ion Ratio Lower Upper
88 100
43 299.4 26.7 40.1#
58 0.0 58.5 87.7#



#50
Toluene-d8
Concen: 49.212 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

Tgt Ion: 98 Resp: 603473
Ion Ratio Lower Upper
98 100
100 62.8 51.0 76.4

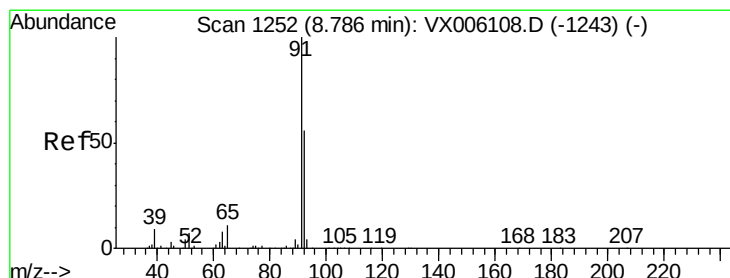
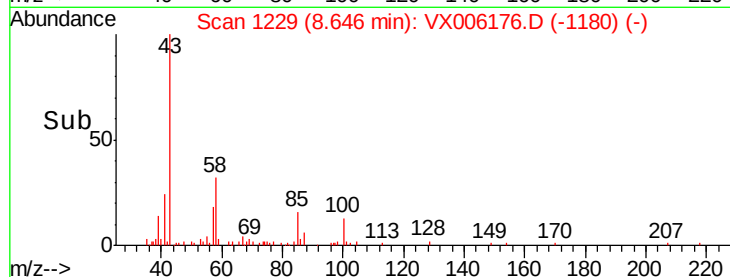
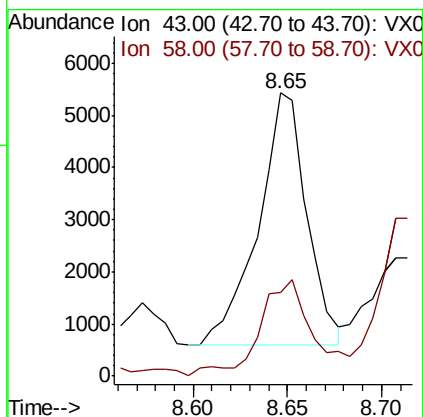
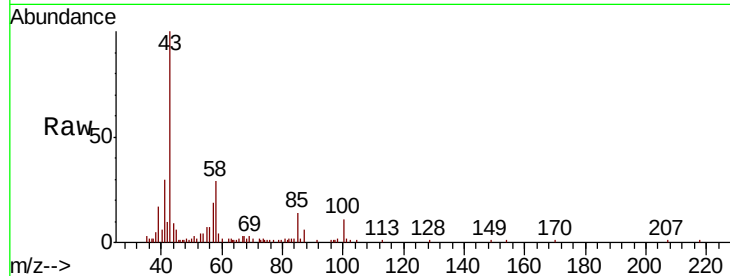




#51
4-Methyl-2-Pentanone
Concen: 1.427 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

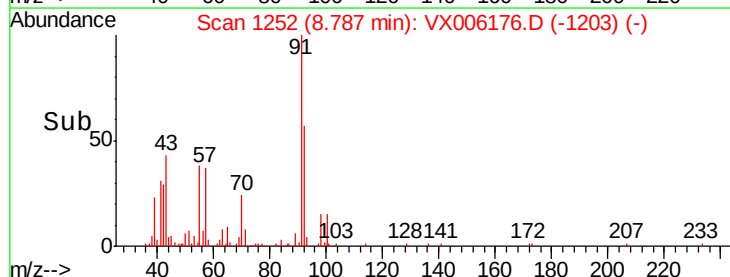
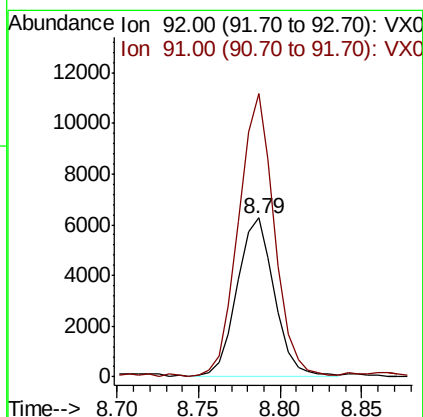
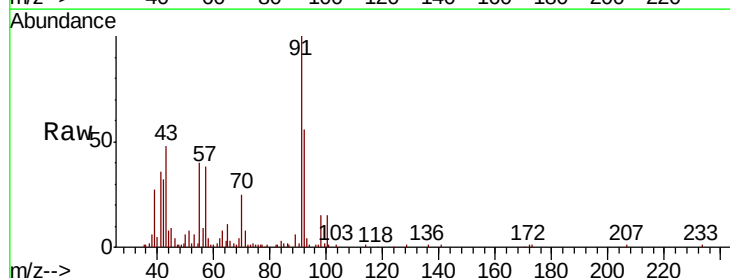
Instrument :
MSVOA_X
ClientSampleId :

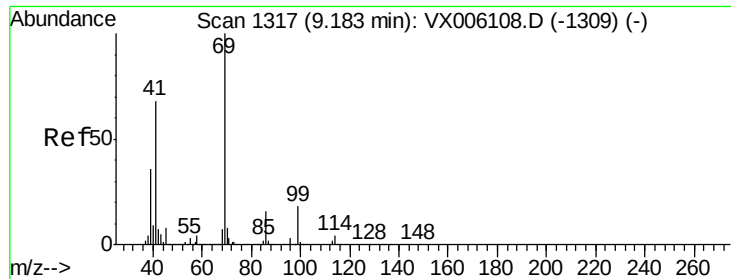
Tot Ion: 43 Resp: 8661
Ion Ratio Lower Upper
43 100
58 41.9 29.9 44.9



#52
Toluene
Concen: 1.213 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

Tgt Ion: 92 Resp: 10070
Ion Ratio Lower Upper
92 100
91 170.1 142.5 213.7





#56

Ethyl methacrylate

Concen: 2.909 ug/l

RT: 9.24 min Scan# 1327

Delta R.T. 0.06 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

Instrument :

MSVOA_X

ClientSampled :

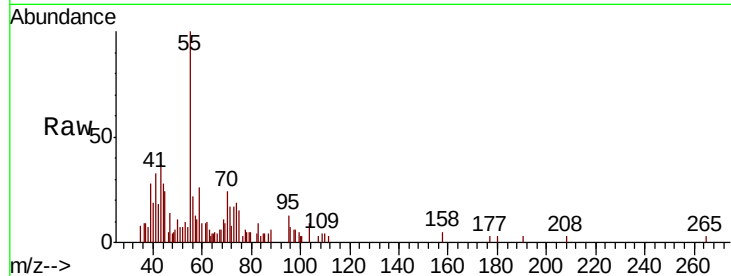
Tot Ion: 69 Resp: 261

Ion Ratio Lower Upper

69 100

41 0.0 56.2 84.4#

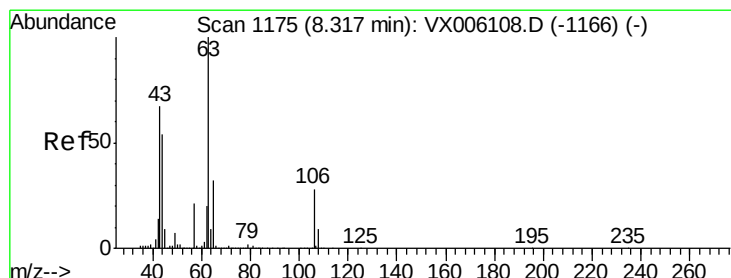
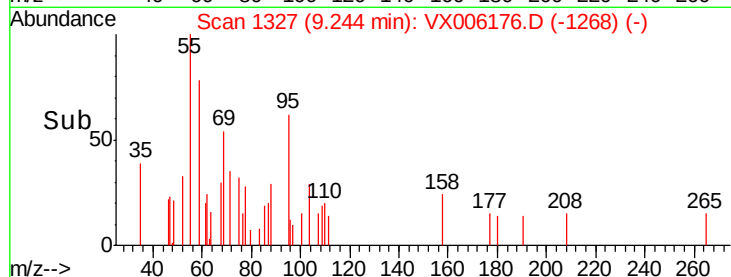
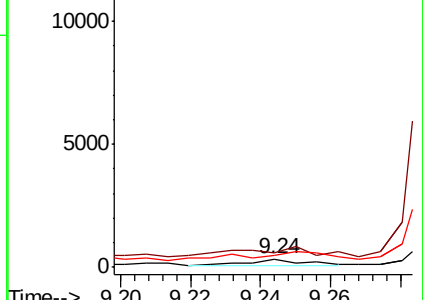
39 0.0 29.4 44.0#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 6.838 ug/l

RT: 8.33 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX006176.D

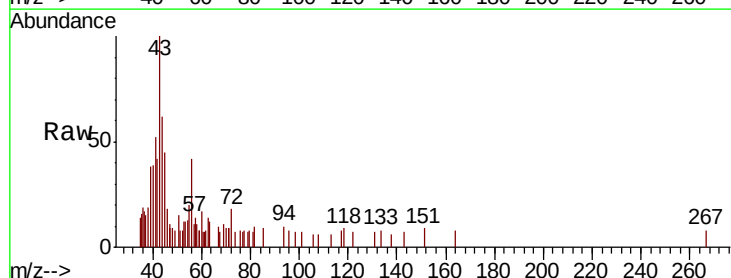
Acq: 26 Nov 2018 15:38

Tgt Ion: 63 Resp: 373

Ion Ratio Lower Upper

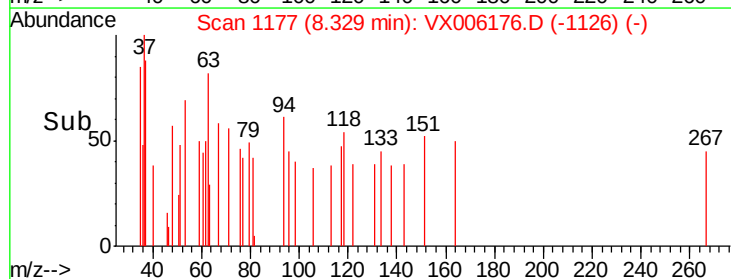
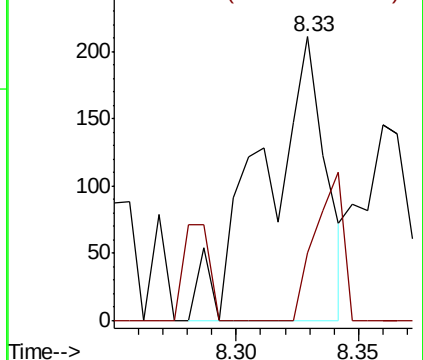
63 100

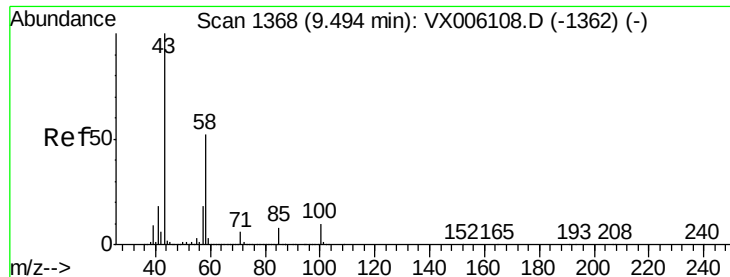
106 23.9 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

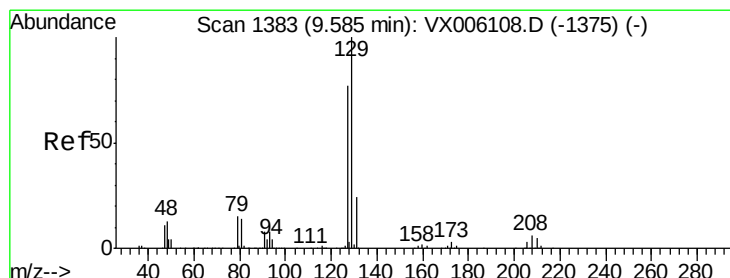
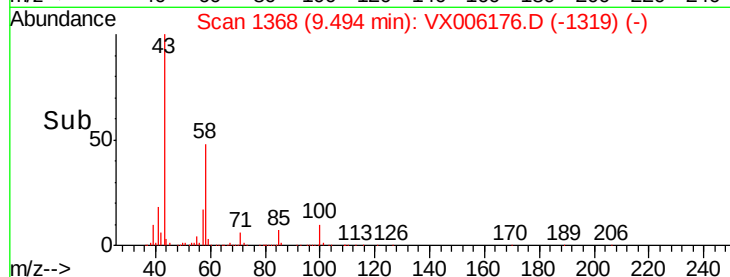
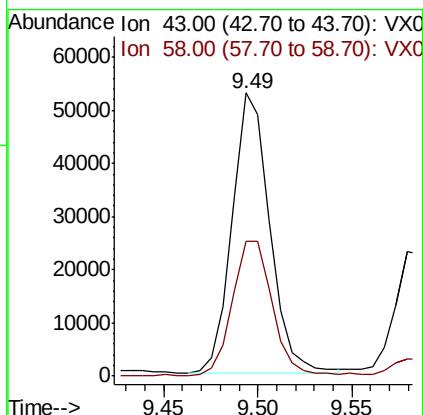
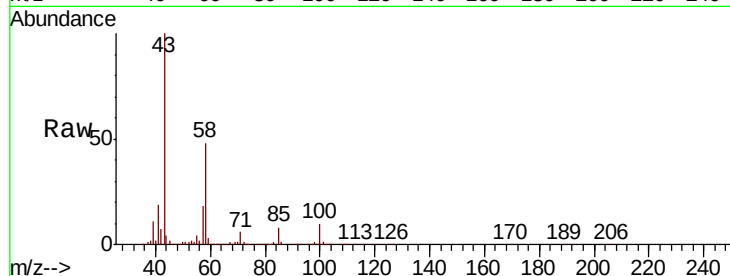




#59
2-Hexanone
Concen: 15.115 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

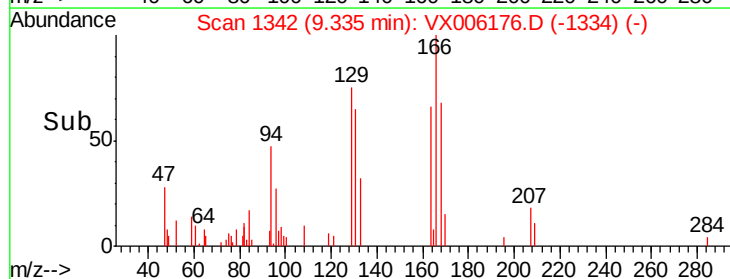
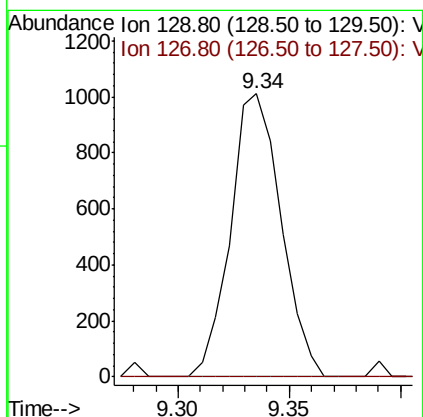
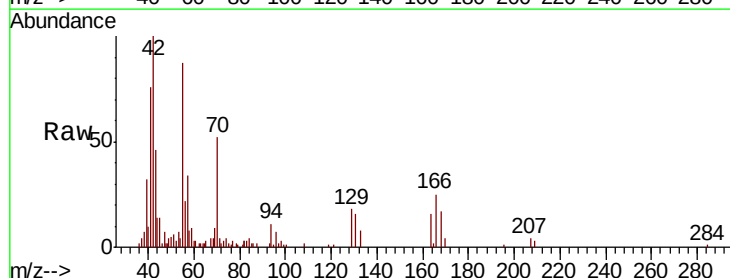
Instrument :
MSVOA_X
ClientSampled :

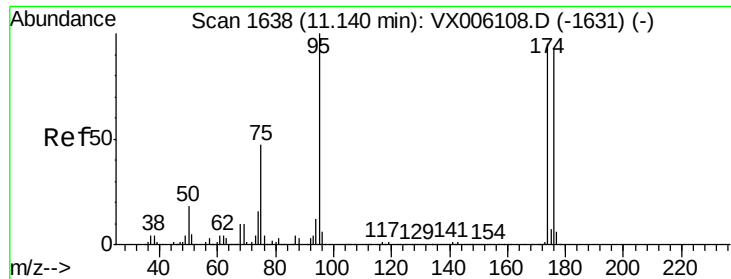
Tot Ion: 43 Resp: 72805
Ion Ratio Lower Upper
43 100
58 51.4 26.3 78.9



#60
Dibromochloromethane
Concen: 0.453 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.25 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

Tgt Ion: 129 Resp: 1596
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.5#





#62

4-Bromofluorobenzene

Concen: 48.288 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

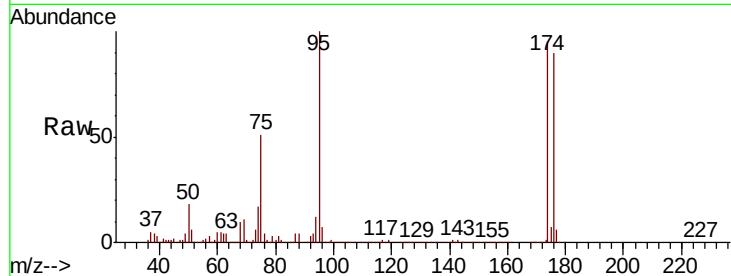
Tot Ion: 95 Resp: 222177

Ion Ratio Lower Upper

95 100

174 91.4 0.0 184.4

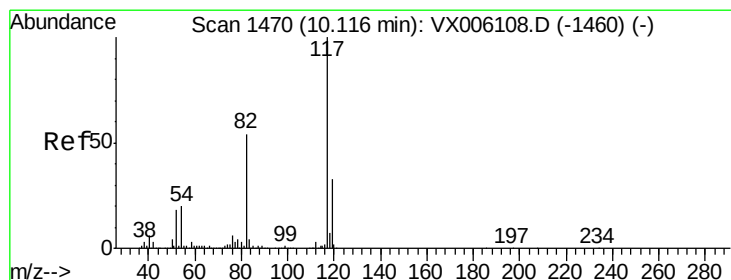
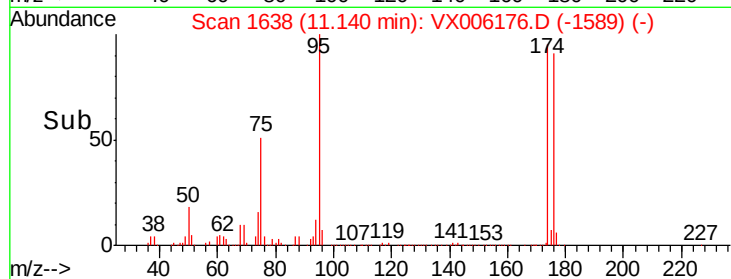
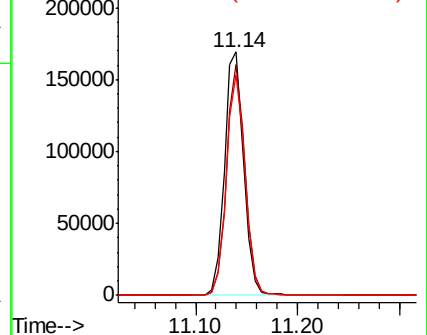
176 88.0 0.0 179.0



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: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

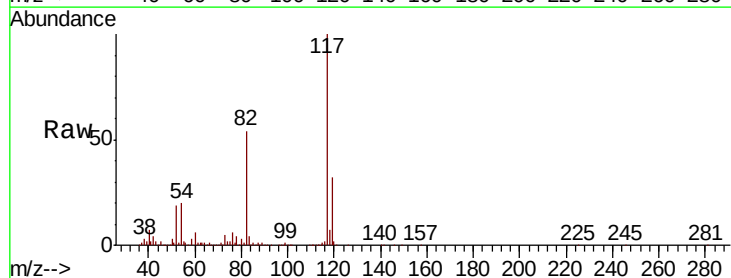
Tgt Ion: 117 Resp: 465980

Ion Ratio Lower Upper

117 100

82 53.7 43.0 64.4

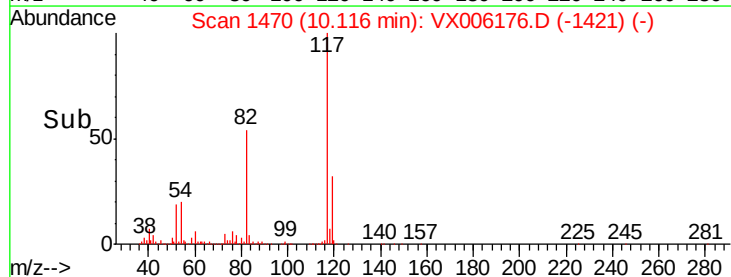
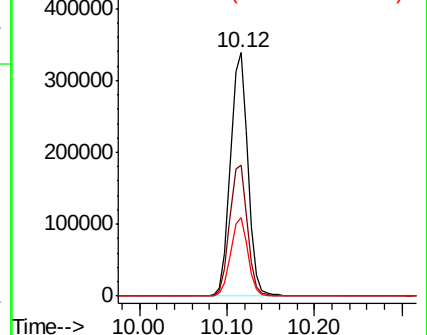
119 32.4 26.1 39.1

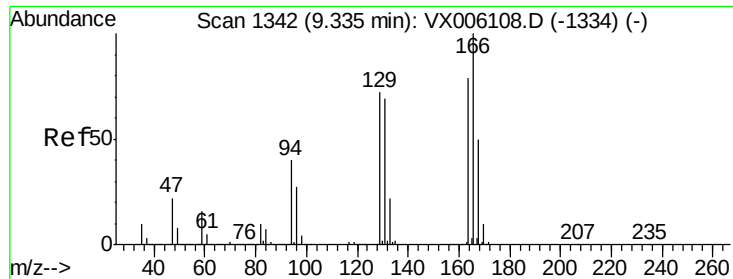


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.401 ug/l

RT: 9.34 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

Instrument :

MSVOA_X

ClientSampled :

Tot Ion:164 Resp: 1537

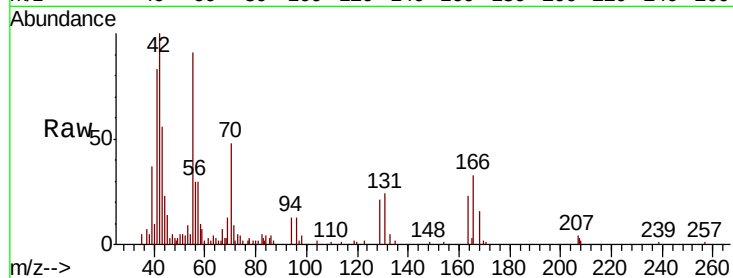
Ion Ratio Lower Upper

164 100

166 143.2 101.5 152.3

129 89.0 73.4 110.0

131 103.6 70.2 105.4

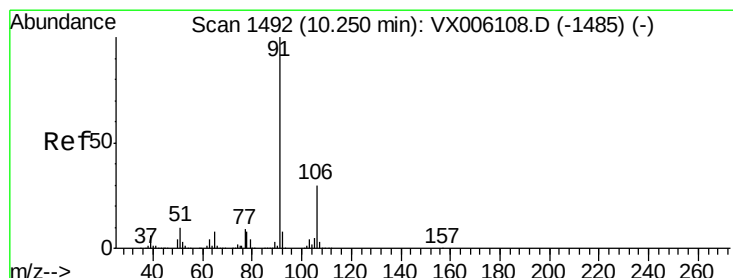
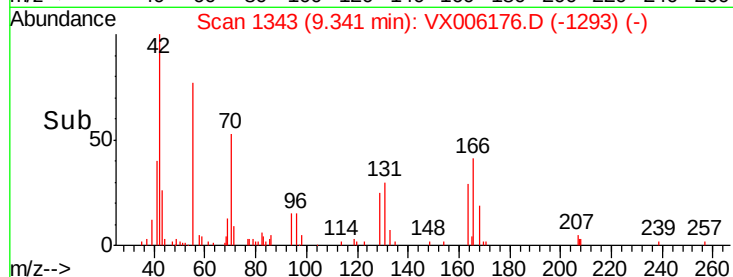
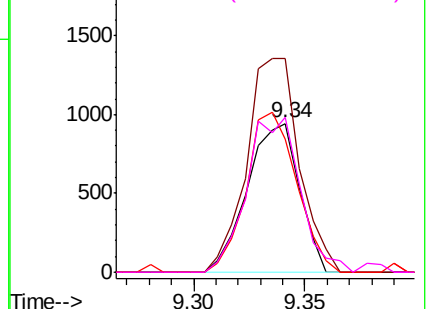


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 0.336 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX006176.D

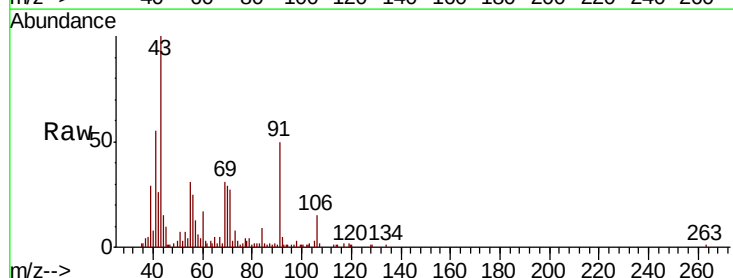
Acq: 26 Nov 2018 15:38

Tgt Ion: 91 Resp: 5265

Ion Ratio Lower Upper

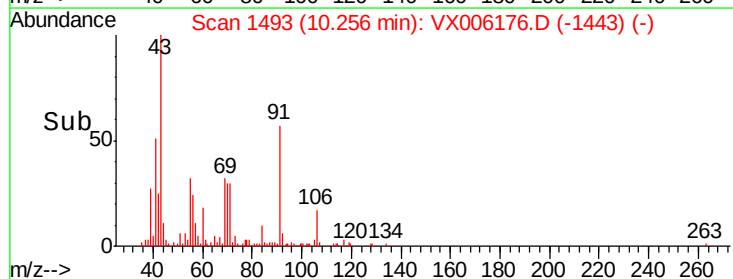
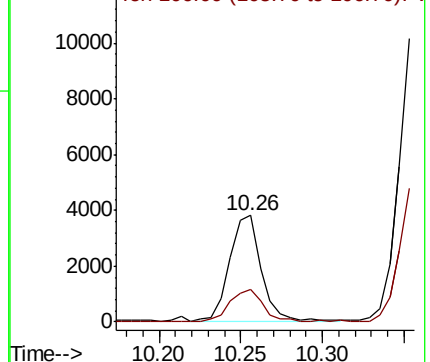
91 100

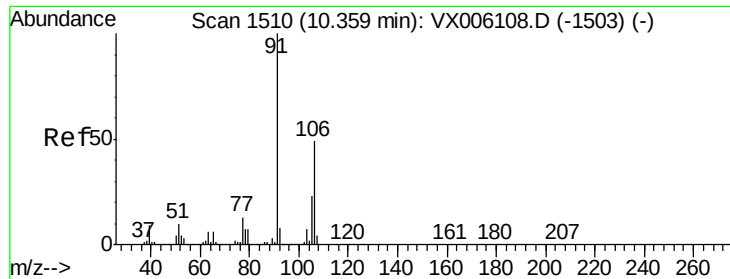
106 30.5 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

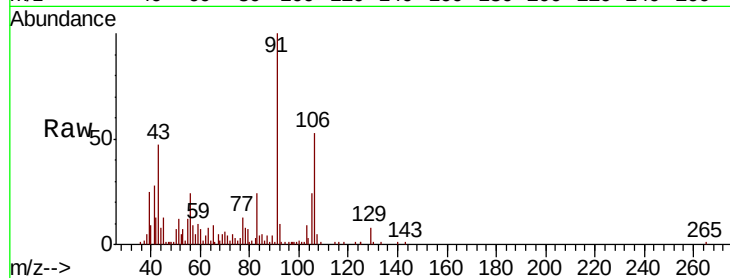




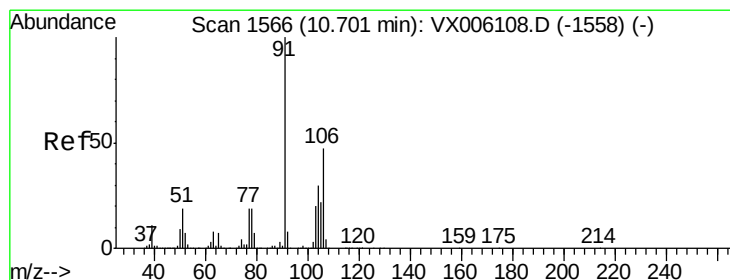
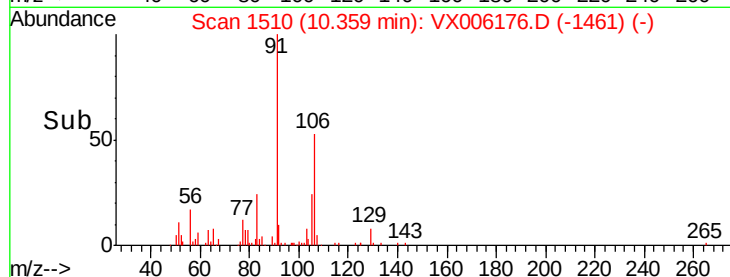
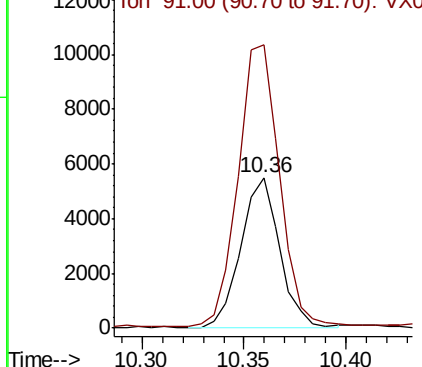
#68
m/p-Xylenes
Concen: 1.200 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 7315
Ion Ratio Lower Upper
106 100
91 198.1 162.0 243.0

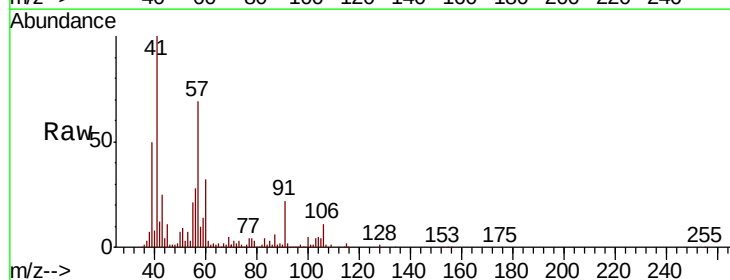


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

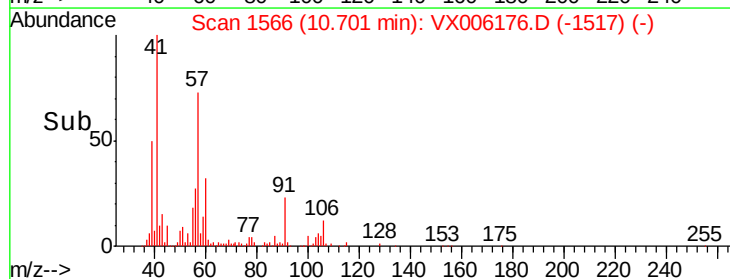
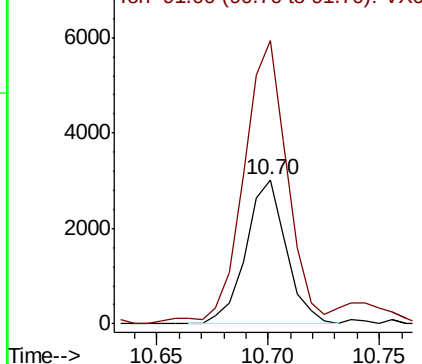


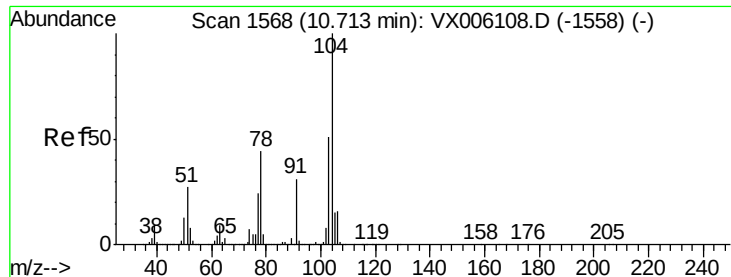
#69
o-Xylene
Concen: 0.653 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

Tgt Ion:106 Resp: 3800
Ion Ratio Lower Upper
106 100
91 213.3 107.4 322.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

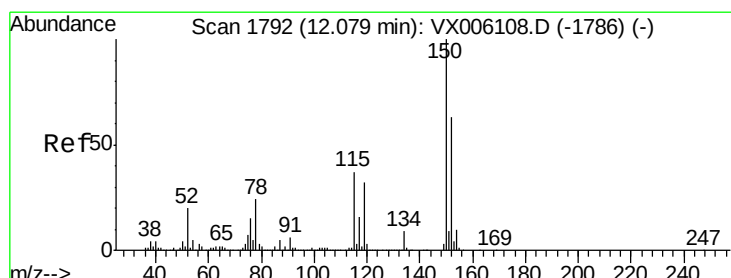
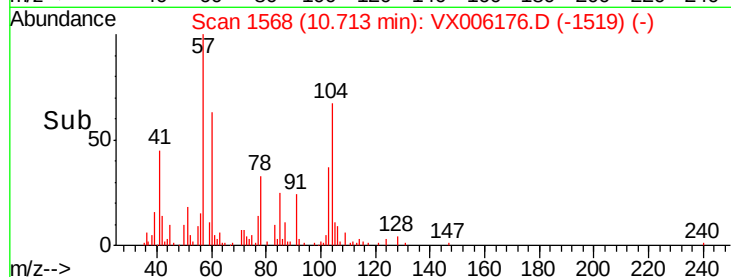
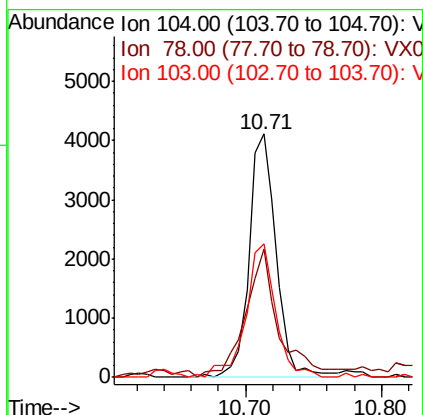
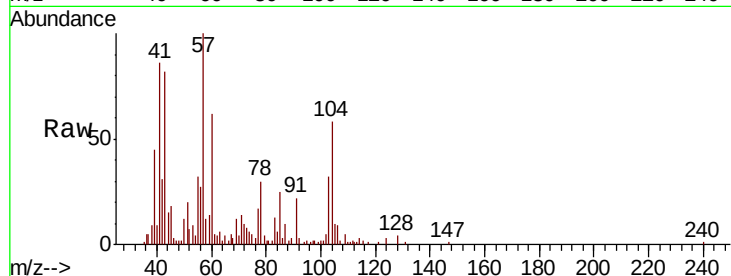




#70
Stvrene
Concen: 0.604 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

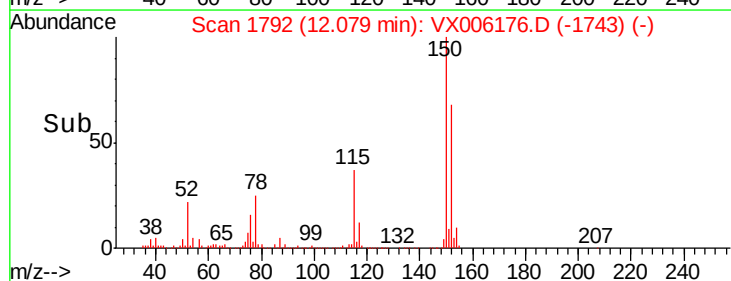
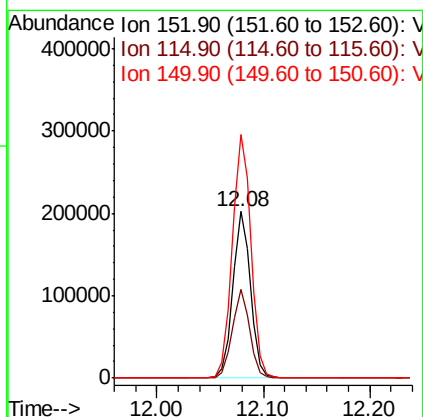
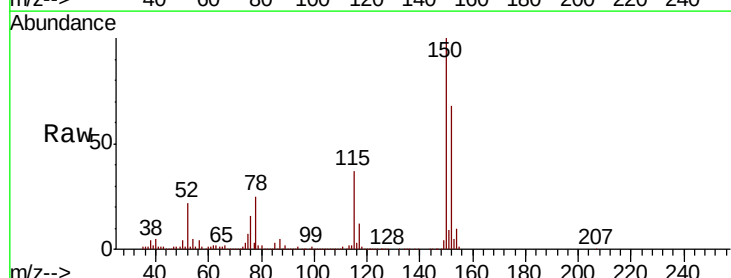
Instrument :
MSVOA_X
ClientSampled :

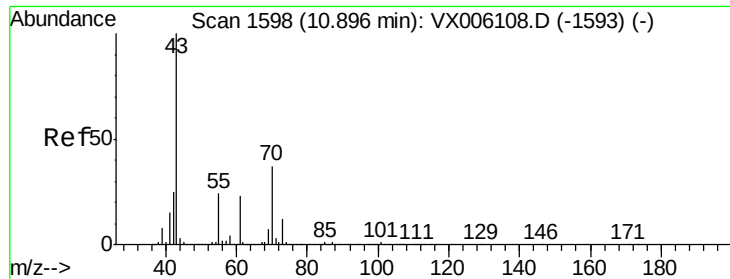
Tot Ion:104 Resp: 5734
Ion Ratio Lower Upper
104 100
78 64.0 39.4 59.2#
103 60.9 44.6 67.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

Tgt Ion:152 Resp: 235362
Ion Ratio Lower Upper
152 100
115 52.6 39.0 116.9
150 154.2 0.0 346.6





#74

N-amvl acetate

Concen: 5.142 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 22391

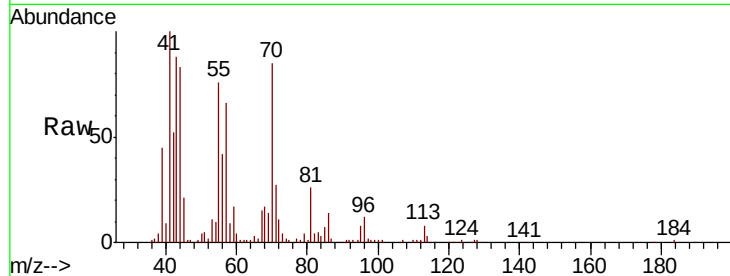
Ion Ratio Lower Upper

43 100

70 89.4 31.8 47.6#

55 83.8 19.5 29.3#

61 0.0 18.6 27.8#

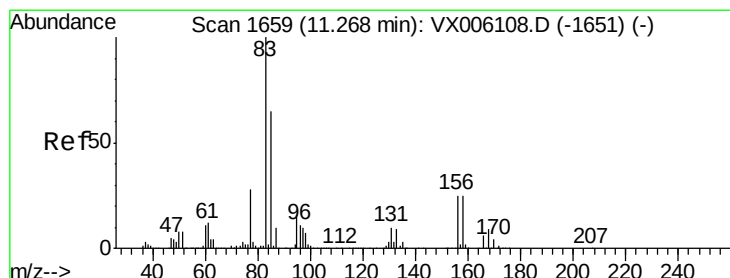
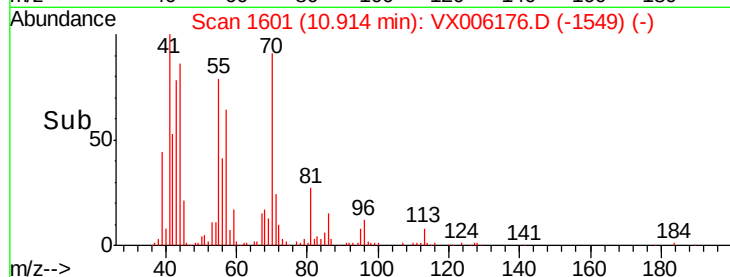
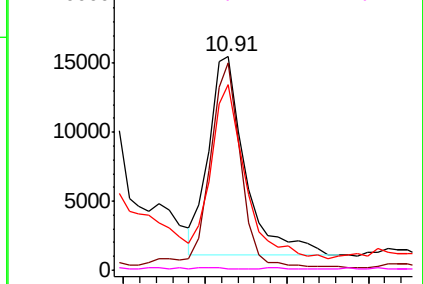


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.746 ug/l

RT: 11.21 min Scan# 1649

Delta R.T. -0.06 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

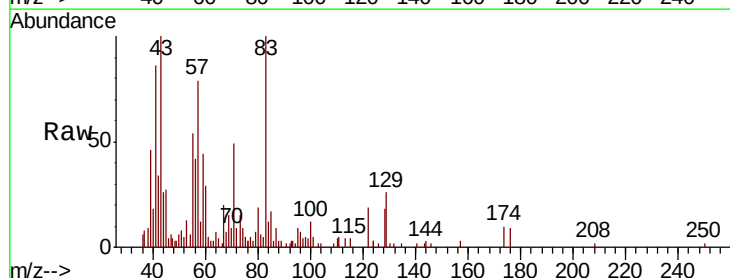
Tgt Ion: 83 Resp: 4005

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

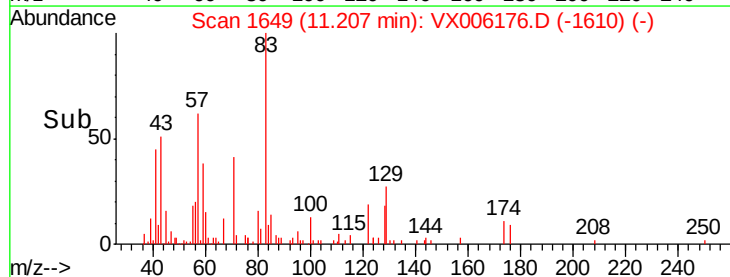
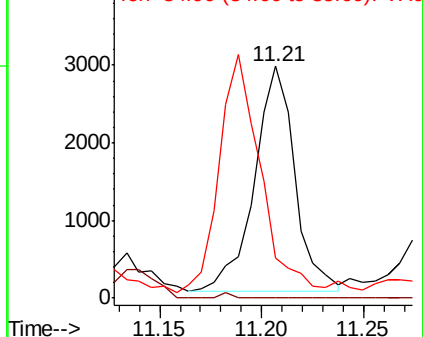
85 0.0 32.6 97.8#

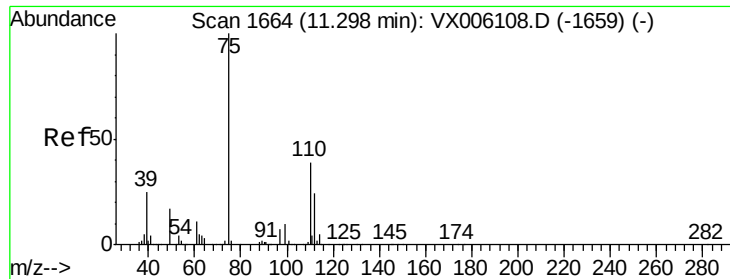


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

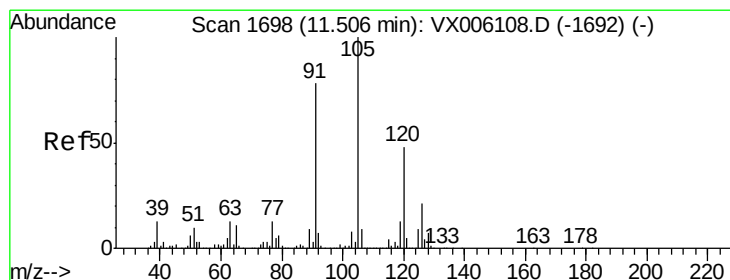
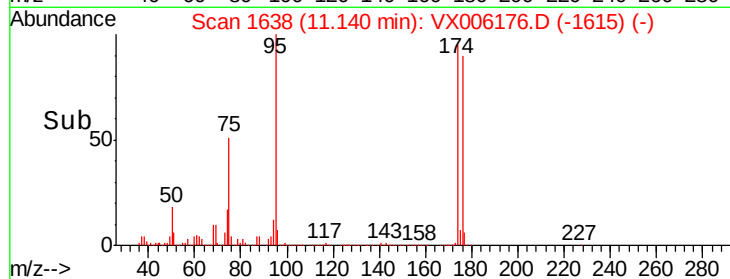
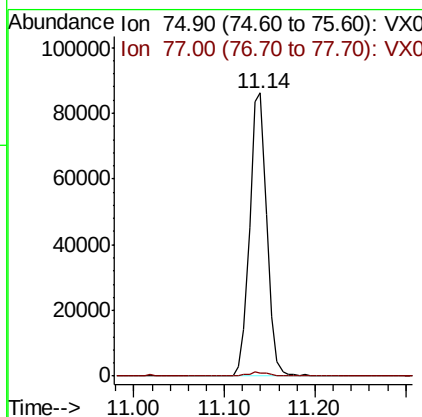
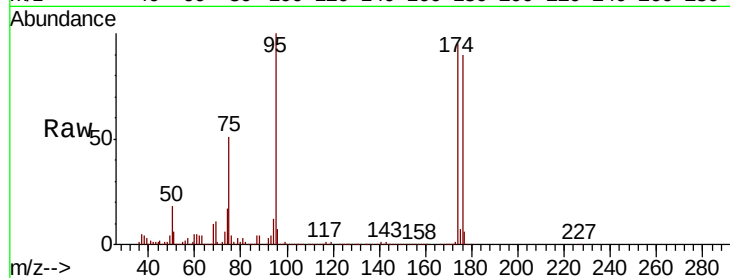




#76
 1,2,3-Trichloropropane
 Concen: 23.246 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX006176.D
 Acq: 26 Nov 2018 15:38

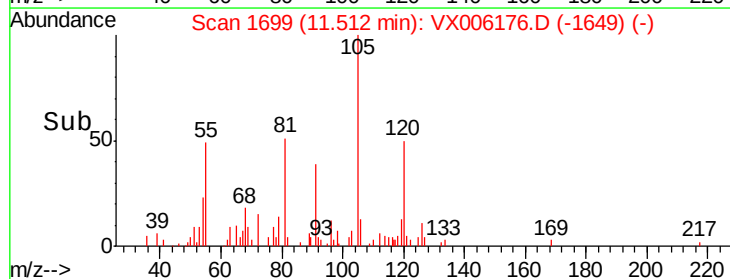
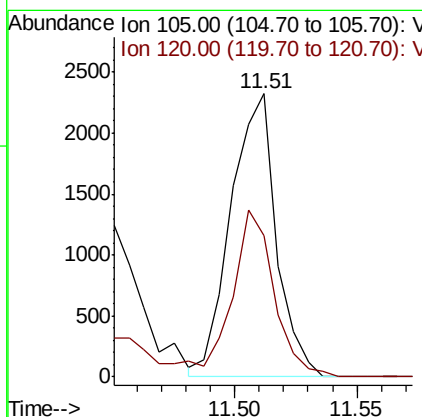
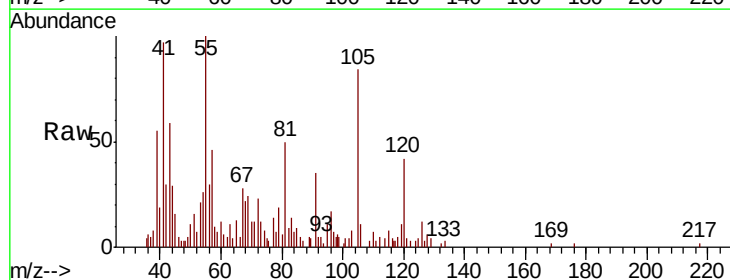
Instrument :
 MSVOA_X
 ClientSampleId :

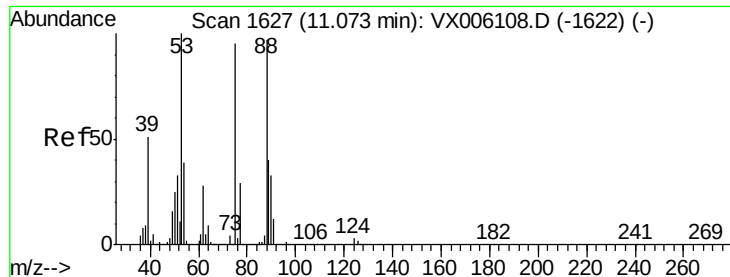
Tot Ion: 75 Resp: 112643
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.6 58.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.249 ug/l
 RT: 11.51 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VX006176.D
 Acq: 26 Nov 2018 15:38

Tgt Ion:105 Resp: 2993
 Ion Ratio Lower Upper
 105 100
 120 55.5 24.3 73.0

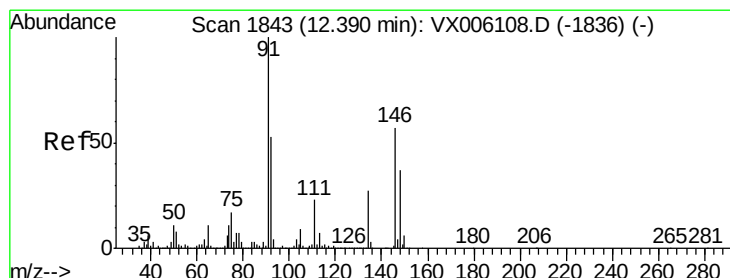
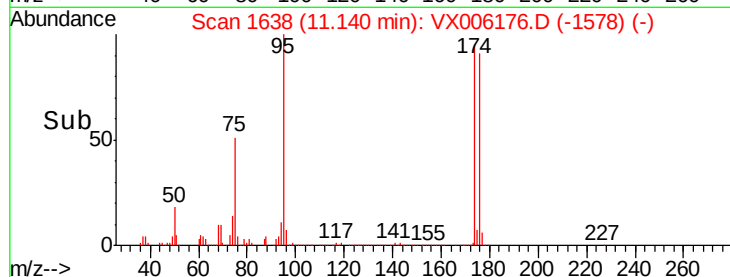
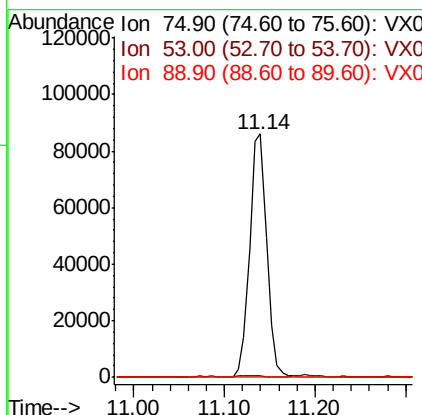
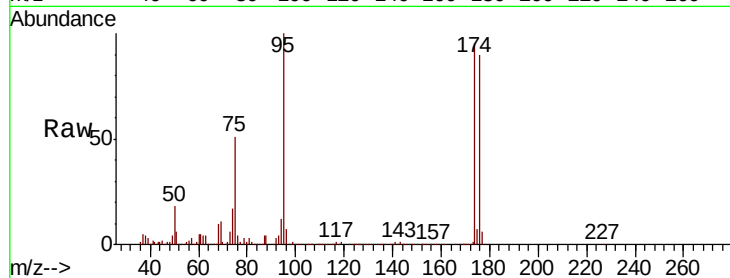




#81
trans-1,4-Dichloro-2-butene
Concen: 78.625 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.07 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

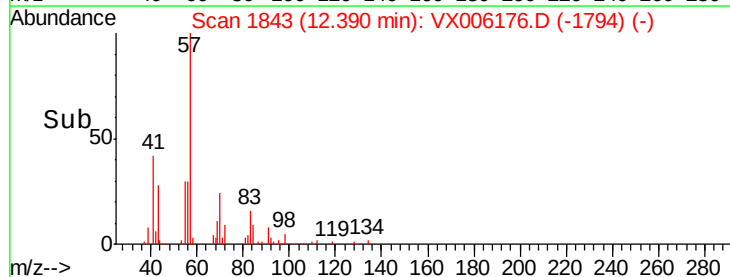
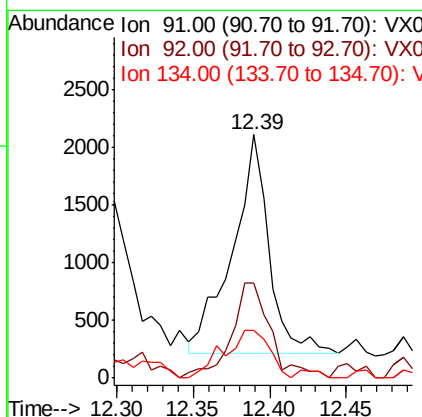
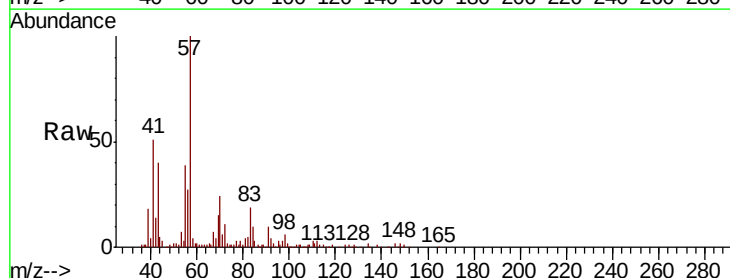
Instrument :
MSVOA_X
ClientSampled :

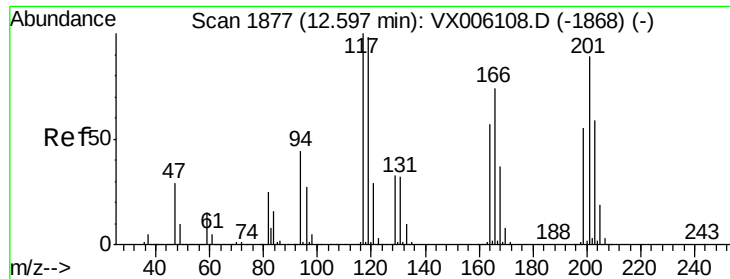
Tot Ion: 75 Resp: 112643
Ion Ratio Lower Upper
75 100
53 0.7 85.3 127.9#
89 0.0 37.2 55.8#



#89
n-Butylbenzene
Concen: 0.275 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006176.D
Acq: 26 Nov 2018 15:38

Tgt Ion: 91 Resp: 3177
Ion Ratio Lower Upper
91 100
92 46.6 26.6 79.7
134 27.0 13.1 39.3





#90

Hexachloroethane

Concen: 0.231 ug/l

RT: 12.60 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

Instrument :

MSVOA_X

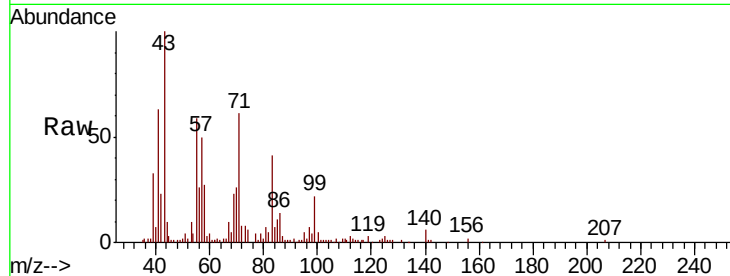
ClientSampleId :

Tot Ion:117 Resp: 472

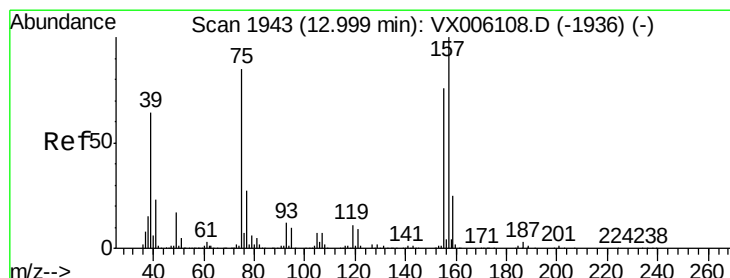
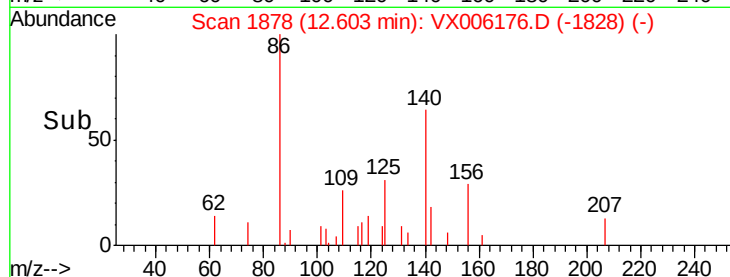
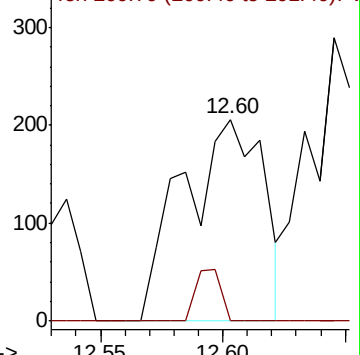
Ion Ratio Lower Upper

117 100

201 8.1 46.1 138.2#



Abundance Ion 116.80 (116.50 to 117.50): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.526 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

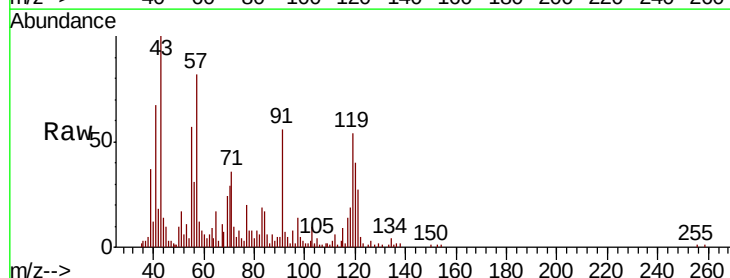
Tgt Ion: 75 Resp: 655

Ion Ratio Lower Upper

75 100

155 13.9 46.1 138.3#

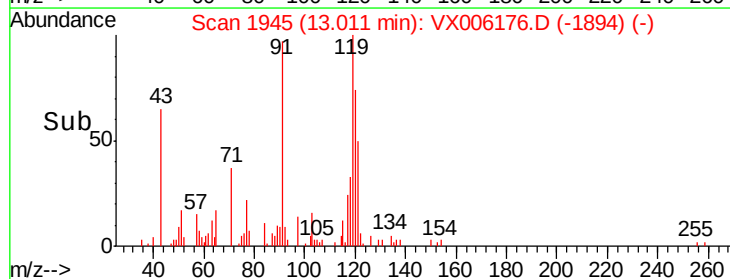
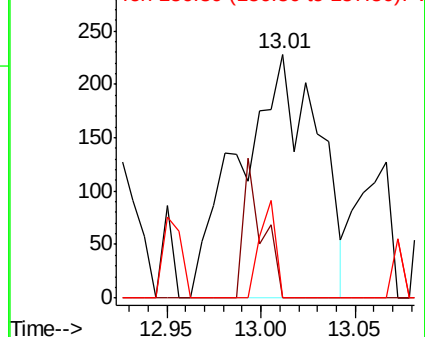
157 8.4 59.8 179.3#

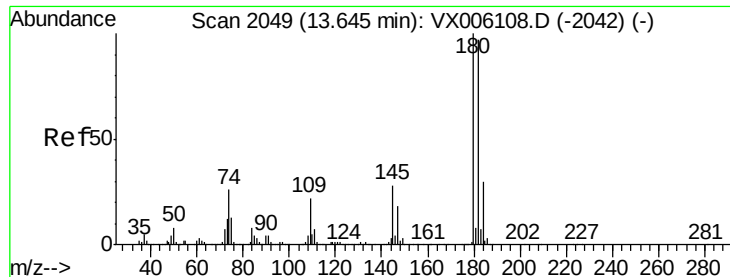


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

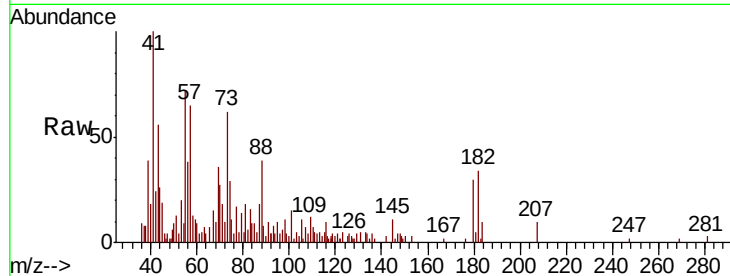




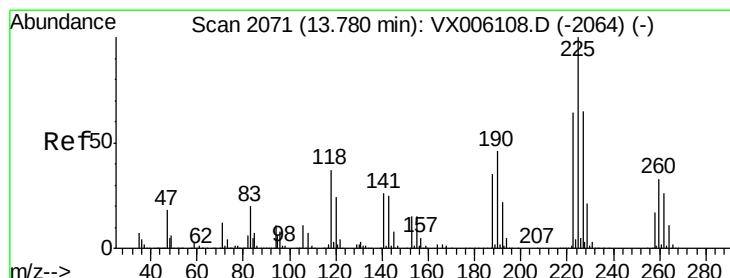
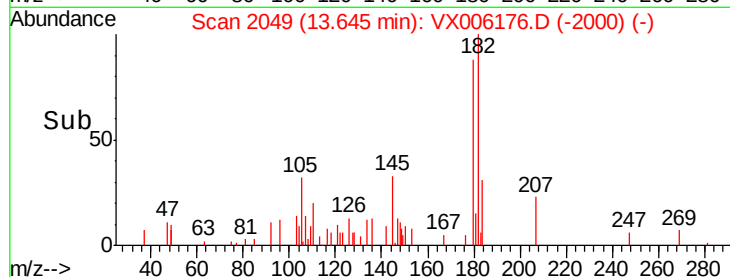
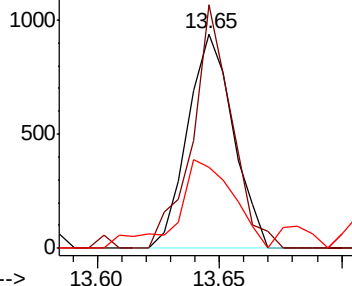
#93
 1,2,4-Trichlorobenzene
 Concen: 0.230 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006176.D
 Acq: 26 Nov 2018 15:38

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180 Resp: 1218
 Ion Ratio Lower Upper
 180 100
 182 98.3 48.2 144.6
 145 50.7 14.1 42.2#

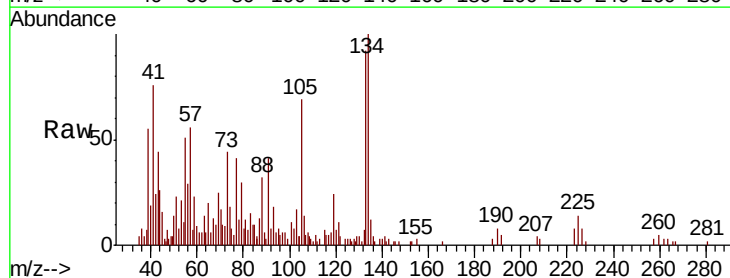


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

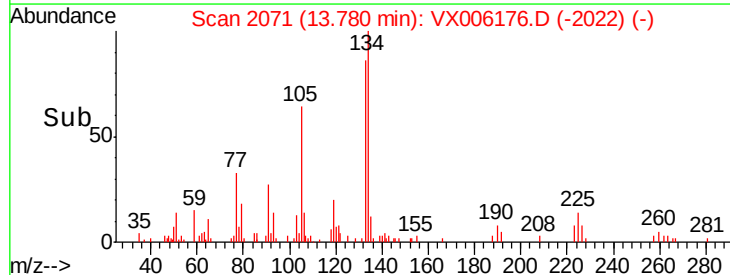
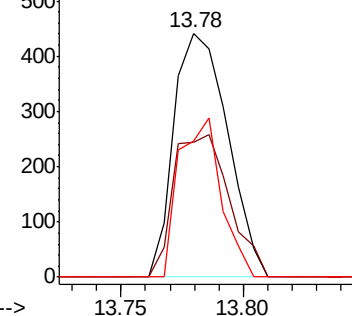


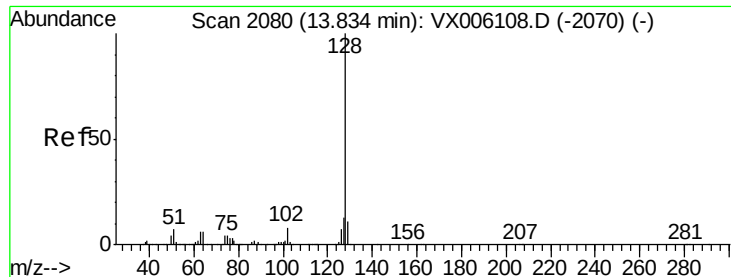
#94
 Hexachlorobutadiene
 Concen: 0.261 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX006176.D
 Acq: 26 Nov 2018 15:38

Tgt Ion:225 Resp: 673
 Ion Ratio Lower Upper
 225 100
 223 60.8 31.2 93.6
 227 51.1 32.4 97.2



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





#95

Naphthalene

Concen: 0.810 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

Instrument :

MSVOA_X

ClientSampled :

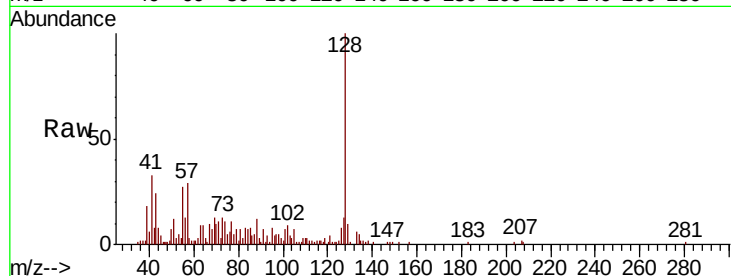
Tot Ion:128 Resp: 12618

Ion Ratio Lower Upper

128 100

127 21.1 10.6 15.8#

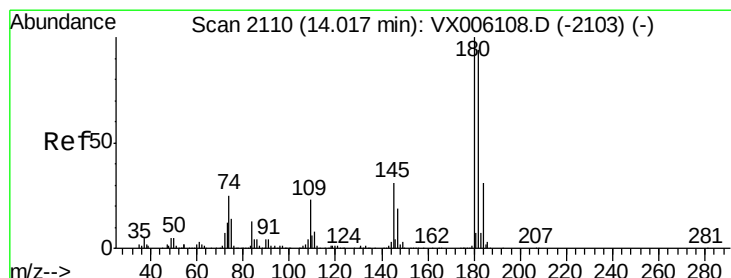
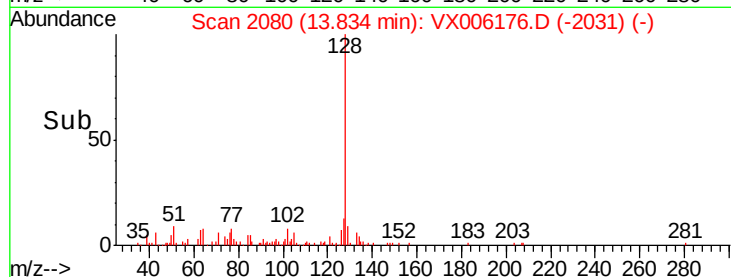
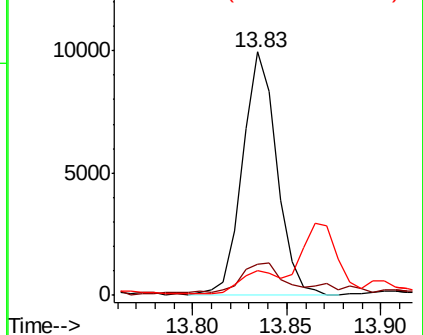
129 10.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.212 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX006176.D

Acq: 26 Nov 2018 15:38

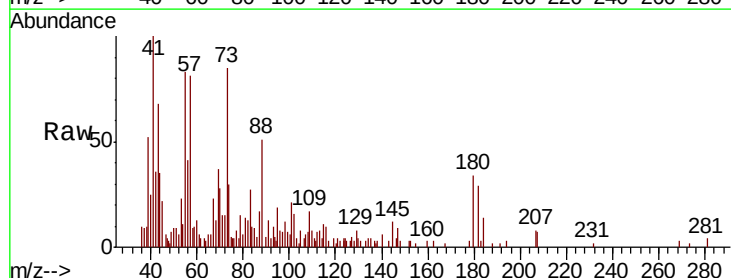
Tgt Ion:180 Resp: 1144

Ion Ratio Lower Upper

180 100

182 103.2 47.5 142.5

145 58.7 15.0 45.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

