

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110518\
 Data File : VX005788.D
 Acq On : 05 Nov 2018 19:37
 Operator : JC/MD
 Sample : J5764-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 06 00:47:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	141102	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	240666	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	210295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	93395	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	106577	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
35) Dibromofluoromethane	5.51	113	84406	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
50) Toluene-d8	8.71	98	288632	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.14	95	92715	42.98	ug/l	0.00
Spiked Amount			Recovery	=	85.96%	

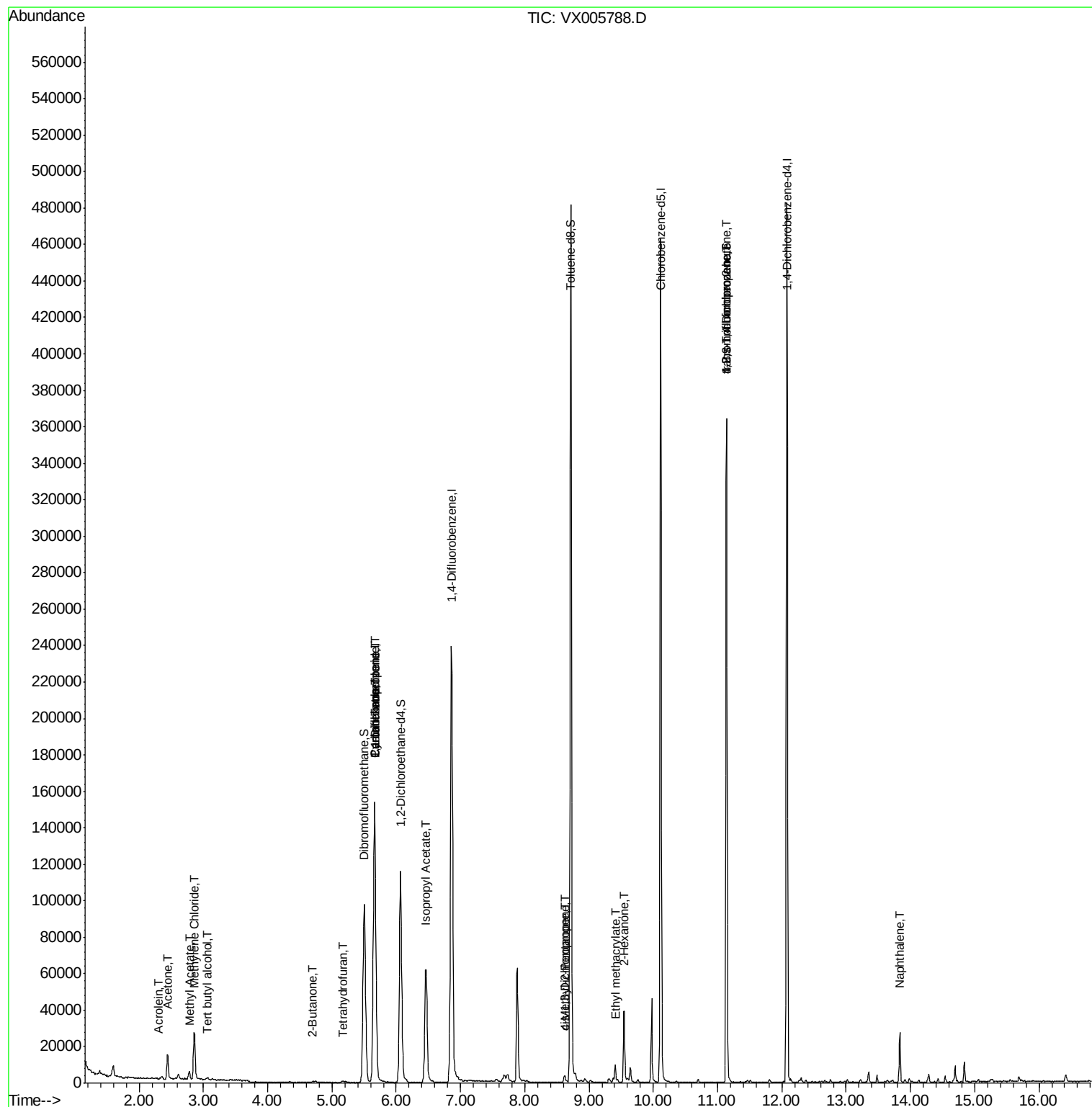
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	39	Below Cal	#	1
11) Tert butyl alcohol	3.06	59	976	1.742	ug/l #	93
13) Acrolein	2.31	56	22	12.235	ug/l #	28
16) Acetone	2.44	43	14695	4.710	ug/l #	89
18) Methyl Acetate	2.78	43	5397	1.823	ug/l	95
20) Methylene Chloride	2.85	84	11660	6.554	ug/l	98
25) 2-Butanone	4.70	43	1515	0.871	ug/l	96
29) Tetrahydrofuran	5.17	42	632	0.595	ug/l #	73
31) Cyclohexane	5.67	56	3225	1.170	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	11874	4.631	ug/l #	49
38) Carbon Tetrachloride	5.67	117	13877	5.990	ug/l #	16
43) Isopropyl Acetate	6.46	43	85436	17.994	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	1348	0.416	ug/l #	38
54) cis-1,3-Dichloropropene	8.63	75	580	0.213	ug/l #	49
56) Ethyl methacrylate	9.40	69	225	2.541	ug/l #	1
59) 2-Hexanone	9.54	43	4515	1.714	ug/l	65
76) 1,2,3-Trichloropropane	11.14	75	49211	21.156	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	49211	68.353	ug/l #	9
95) Naphthalene	13.83	128	15393	2.364	ug/l	97

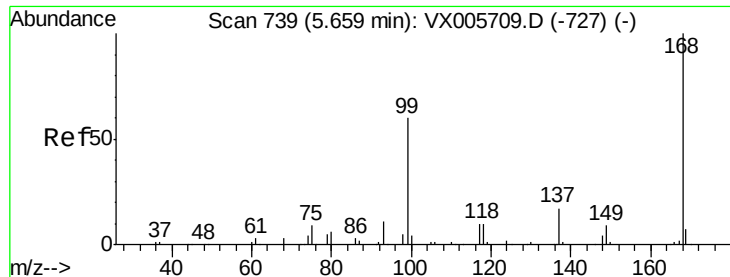
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005788.D

Acq: 05 Nov 2018 19:37

Instrument :

MSVOA_X

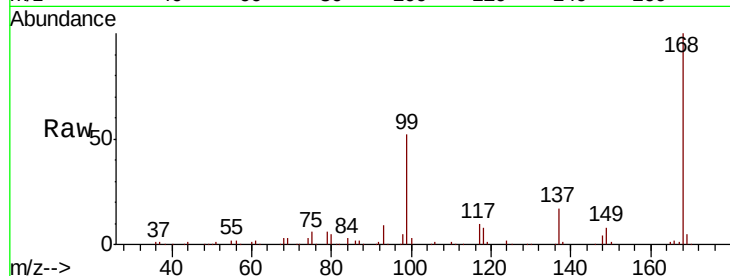
ClientSampleId :

Tot Ion:168 Resp: 141102

Ion Ratio Lower Upper

168 100

99 51.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

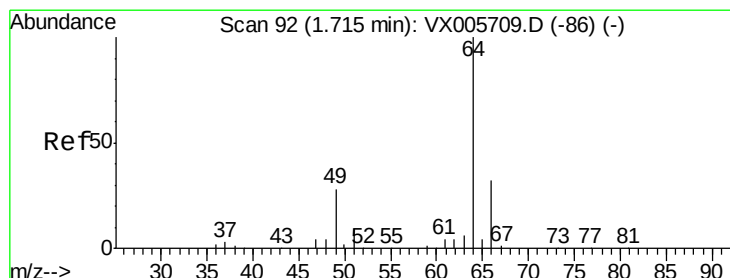
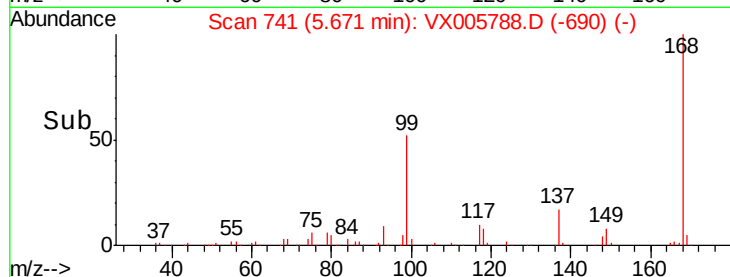
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005788.D

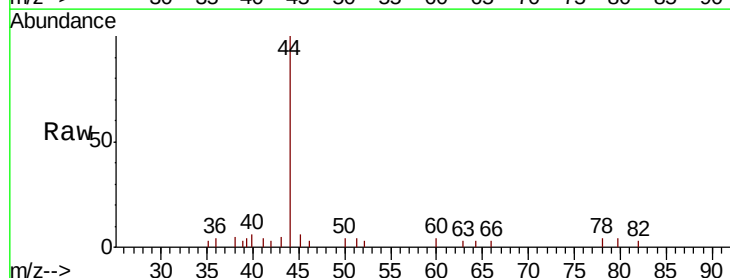
Acq: 05 Nov 2018 19:37

Tgt Ion: 64 Resp: 39

Ion Ratio Lower Upper

64 100

66 109.1 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

80

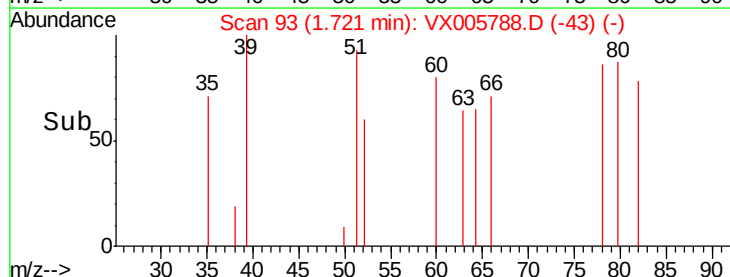
60

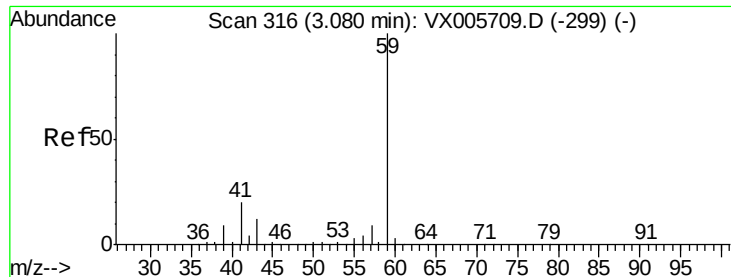
40

20

0

Time--> 1.70 1.71 1.72 1.73 1.74

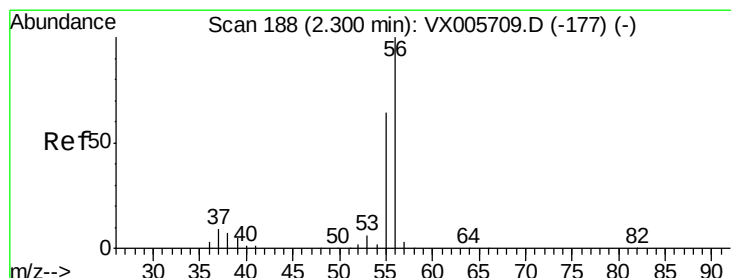
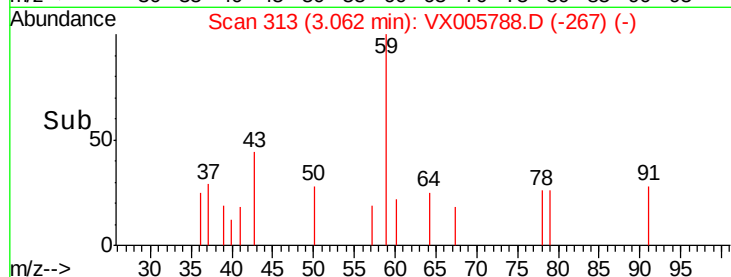
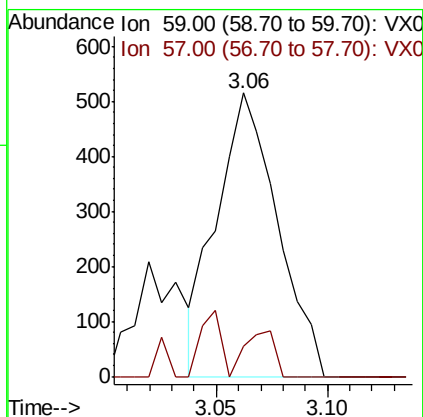
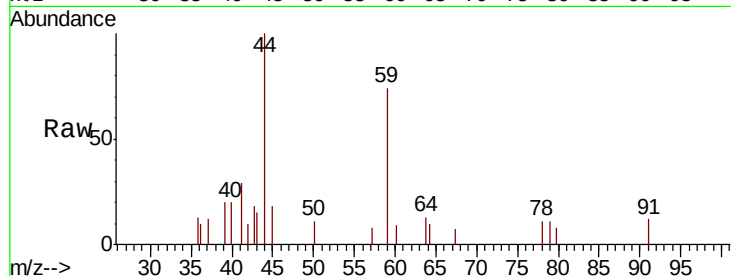




#11
Tert butyl alcohol
Concen: 1.742 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX005788.D
Acq: 05 Nov 2018 19:37

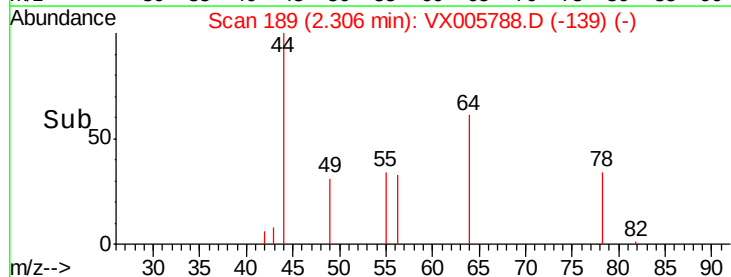
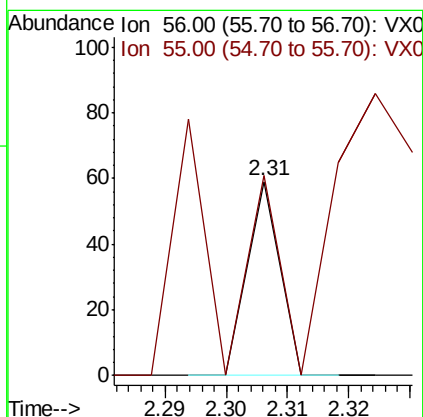
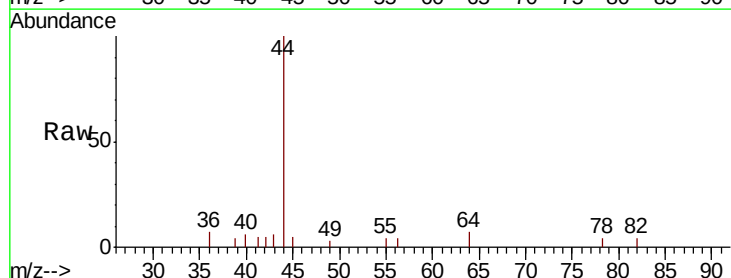
Instrument :
MSVOA_X
ClientSampled :

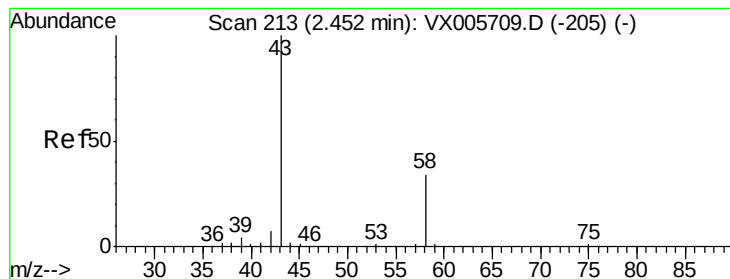
Tot Ion: 59 Resp: 976
Ion Ratio Lower Upper
59 100
57 8.0 8.5 12.7#



#13
Acrolein
Concen: 12.235 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX005788.D
Acq: 05 Nov 2018 19:37

Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 131.8 57.3 85.9#





#16

Acetone

Concen: 4.710 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005788.D

Acq: 05 Nov 2018 19:37

Instrument :

MSVOA_X

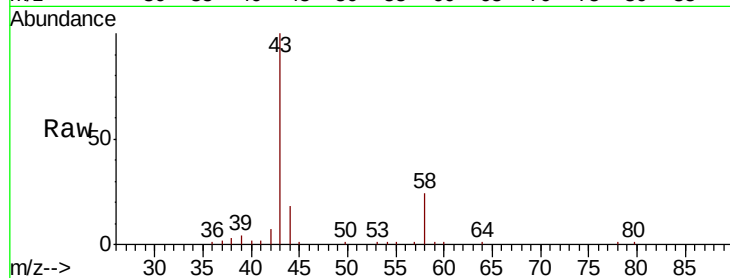
ClientSampleId :

Tot Ion: 43 Resp: 14695

Ion Ratio Lower Upper

43 100

58 23.6 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

10000

8000

6000

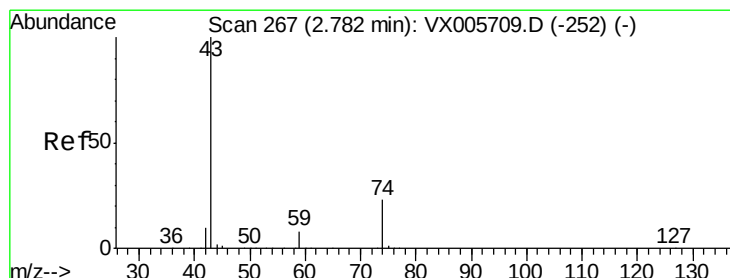
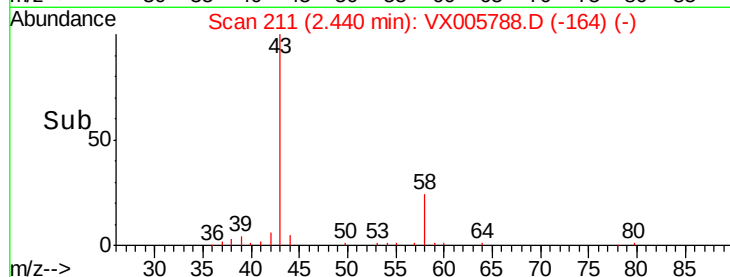
4000

2000

0

Time-->

2.40 2.45 2.50



#18

Methyl Acetate

Concen: 1.823 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005788.D

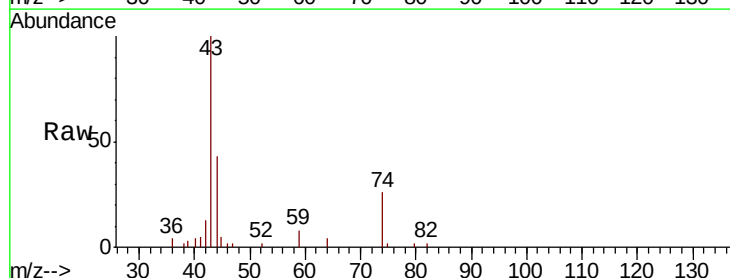
Acq: 05 Nov 2018 19:37

Tgt Ion: 43 Resp: 5397

Ion Ratio Lower Upper

43 100

74 23.2 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

3000

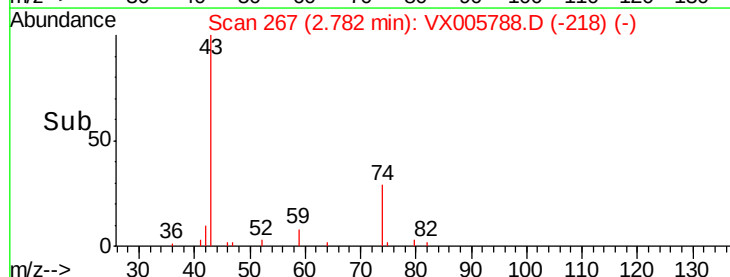
2000

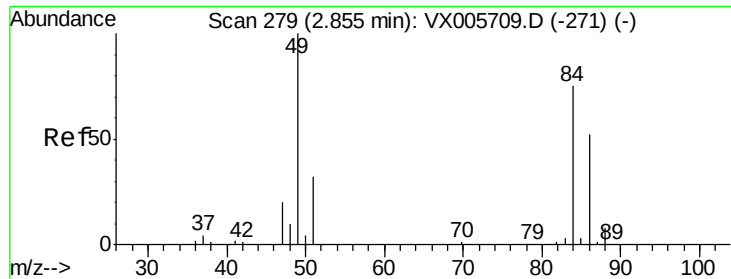
1000

0

Time-->

2.70 2.75 2.80 2.85

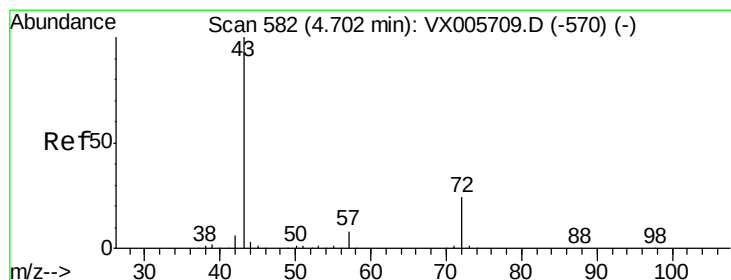
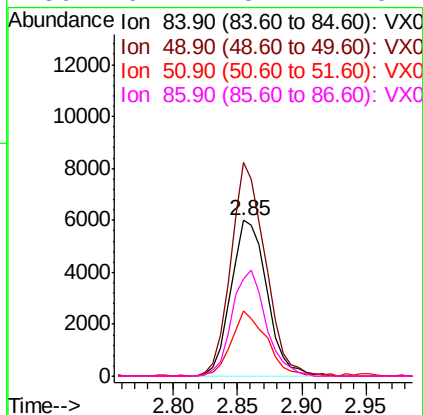
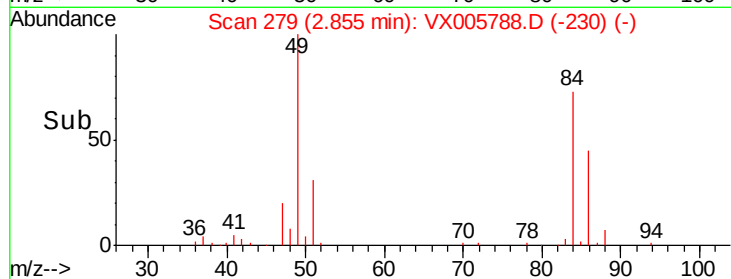
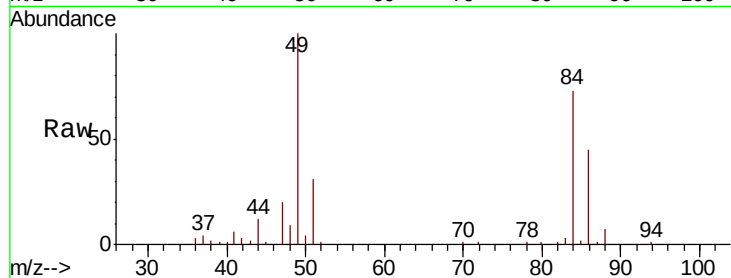




#20
Methvlene Chloride
Concen: 6.554 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005788.D
Acq: 05 Nov 2018 19:37

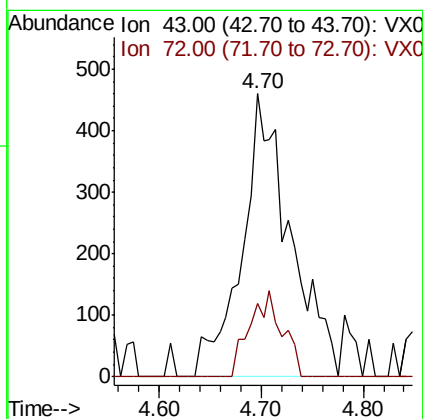
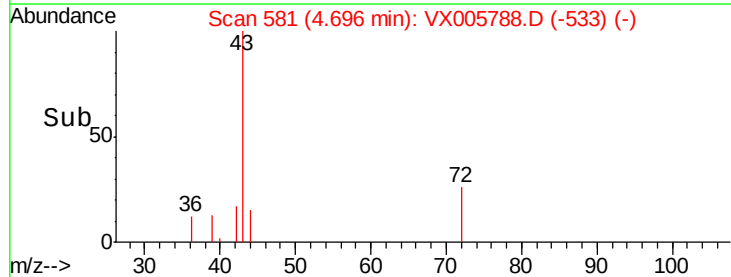
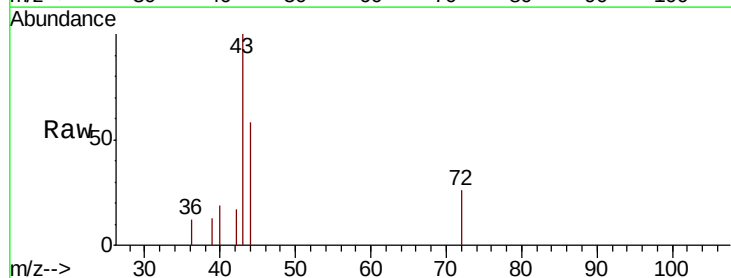
Instrument :
MSVOA_X
ClientSampled :

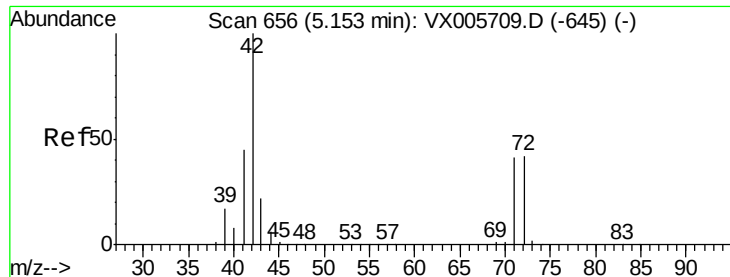
Tot Ion: 84 Resp: 11660
Ion Ratio Lower Upper
84 100
49 137.3 109.5 164.3
51 42.3 33.3 49.9
86 62.4 52.7 79.1



#25
2-Butanone
Concen: 0.871 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX005788.D
Acq: 05 Nov 2018 19:37

Tgt Ion: 43 Resp: 1515
Ion Ratio Lower Upper
43 100
72 25.9 19.2 28.8





#29

Tetrahydrofuran

Concen: 0.595 ug/l

RT: 5.17 min Scan# 658

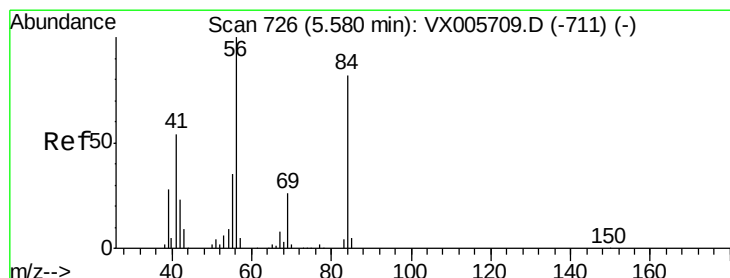
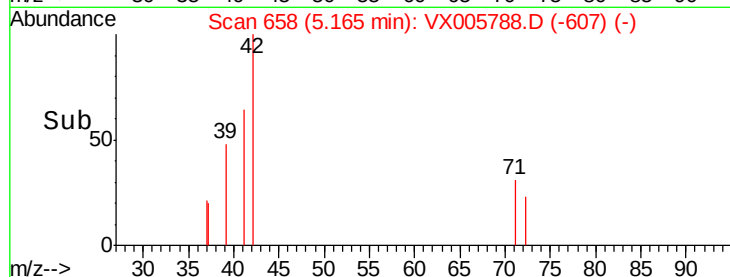
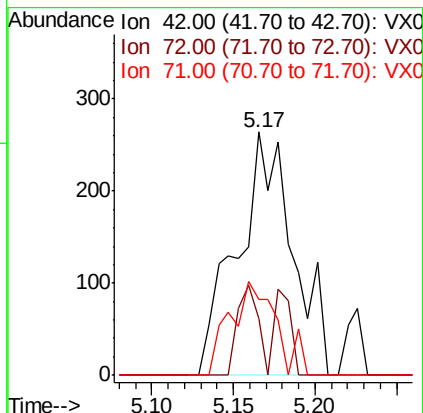
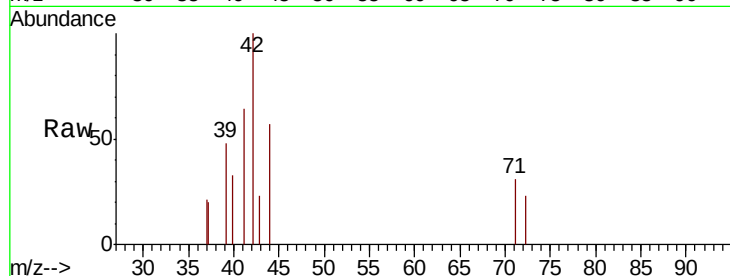
Delta R.T. 0.01 min

Lab File: VX005788.D

Acq: 05 Nov 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	42	Resp:	632
Ion	Ratio	Lower	Upper
42	100		
72	13.3	32.0	48.0#
71	32.0	29.8	44.8



#31

Cyclohexane

Concen: 1.170 ug/l

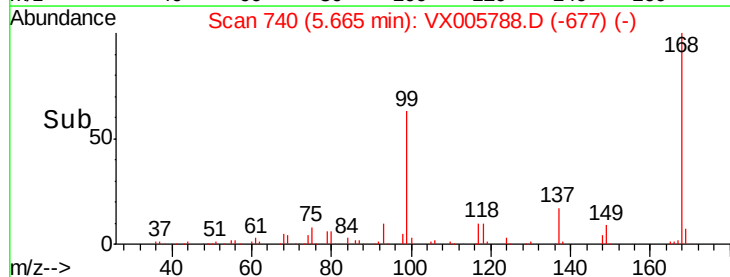
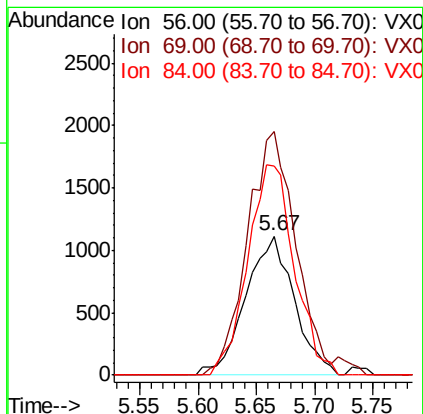
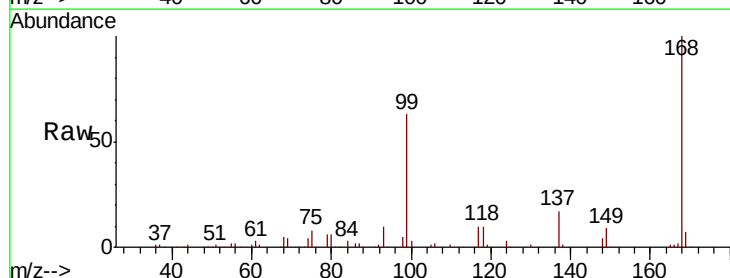
RT: 5.67 min Scan# 740

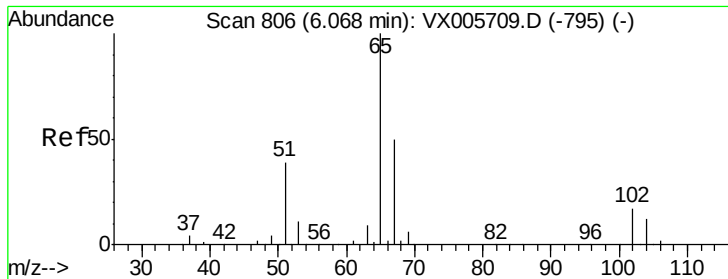
Delta R.T. 0.09 min

Lab File: VX005788.D

Acq: 05 Nov 2018 19:37

Tgt Ion:	56	Resp:	3225
Ion	Ratio	Lower	Upper
56	100		
69	175.5	22.6	34.0#
84	150.4	62.7	94.1#





#33

1,2-Dichloroethane-d4

Concen: 51.663 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005788.D

Acq: 05 Nov 2018 19:37

Instrument :

MSVOA_X

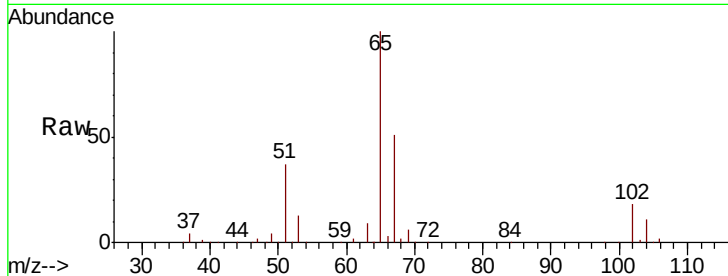
ClientSampleId :

Tot Ion: 65 Resp: 106577

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

50000

40000

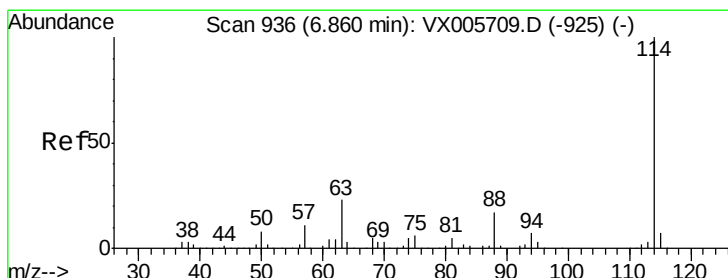
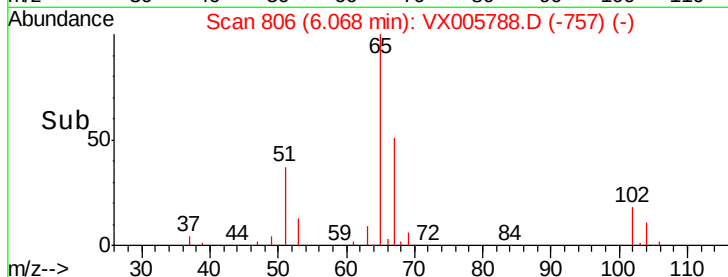
30000

20000

10000

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: VX005788.D

Acq: 05 Nov 2018 19:37

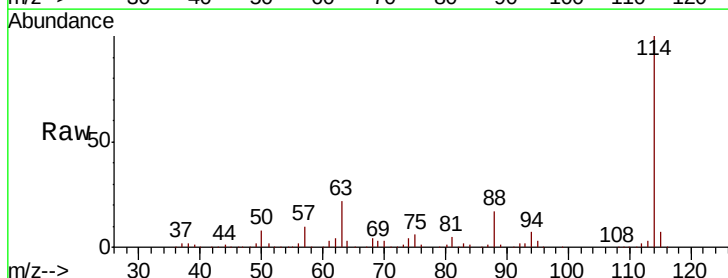
Tgt Ion: 114 Resp: 240666

Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.8

88 16.5 0.0 31.2



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

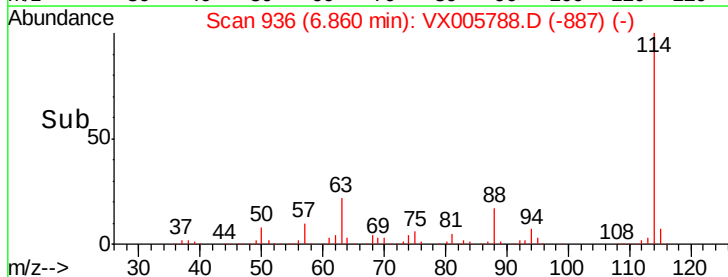
6.86

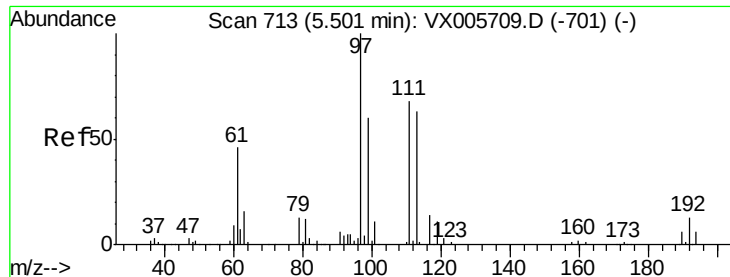
100000

50000

0

Time--> 6.80 7.00 7.20

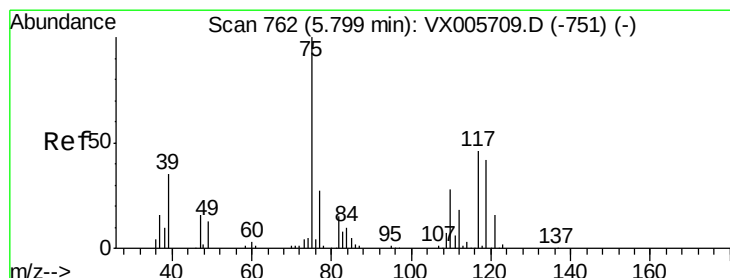
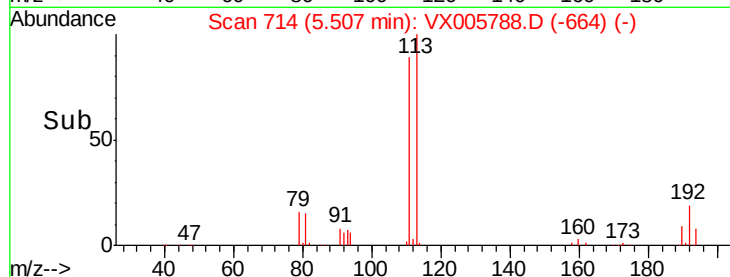
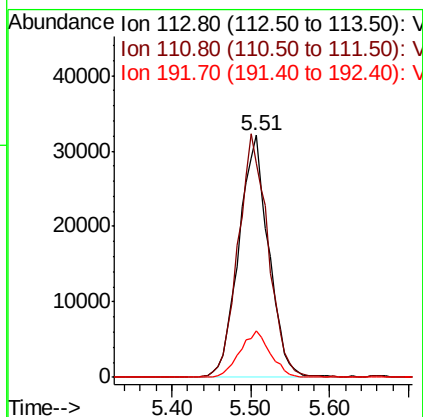
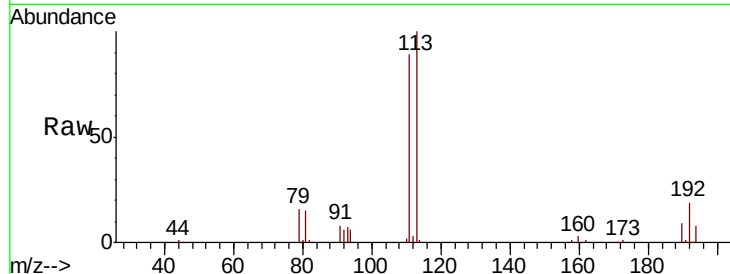




#35
 Dibromofluoromethane
 Concen: 50.652 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005788.D
 Acq: 05 Nov 2018 19:37

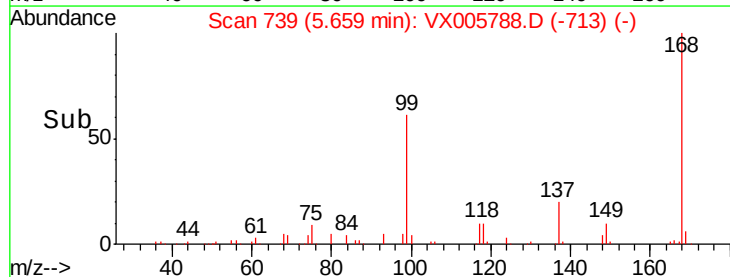
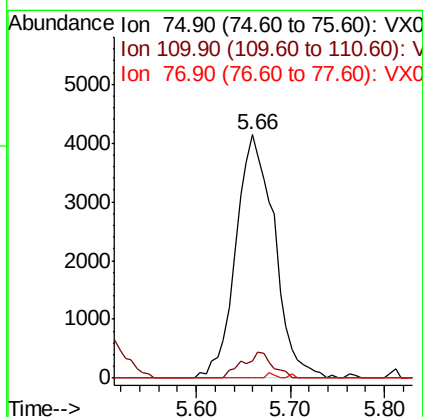
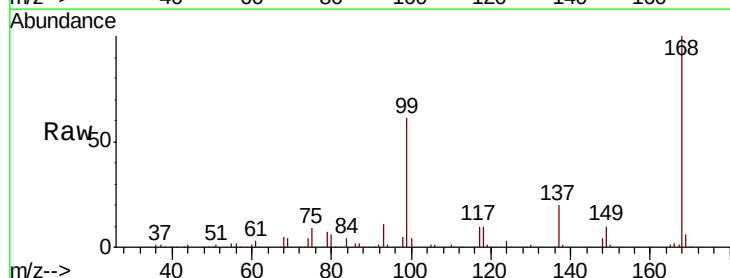
Instrument :
 MSVOA_X
 ClientSampleId :

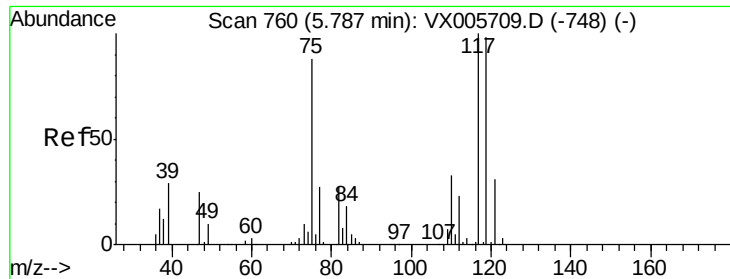
Tot Ion:113 Resp: 84406
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.3 123.5
 192 19.4 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.631 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005788.D
 Acq: 05 Nov 2018 19:37

Tgt Ion: 75 Resp: 11874
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.4 52.2#
 77 0.5 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 5.990 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.12 min

Lab File: VX005788.D

Acq: 05 Nov 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

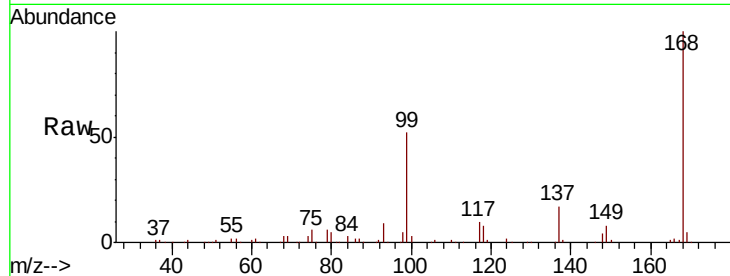
Tot Ion:117 Resp: 13877

Ion Ratio Lower Upper

117 100

119 5.5 78.1 117.1#

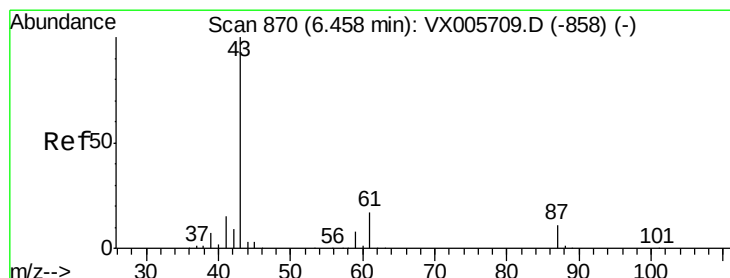
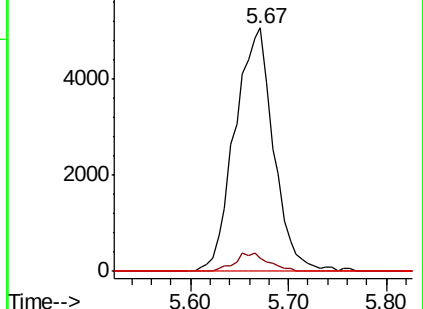
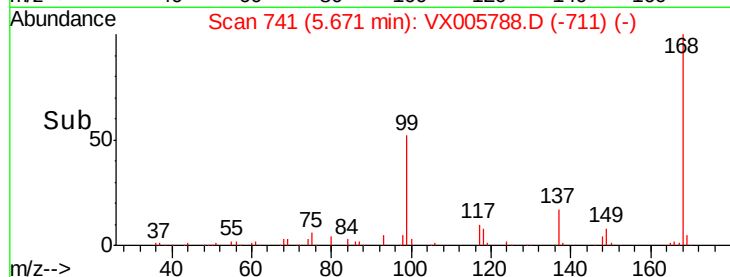
121 0.0 24.6 36.8#



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: 17.994 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX005788.D

Acq: 05 Nov 2018 19:37

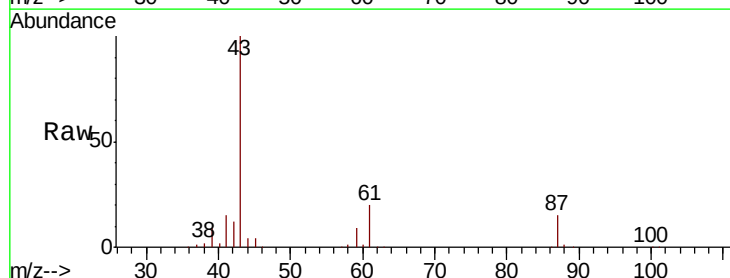
Tgt Ion: 43 Resp: 85436

Ion Ratio Lower Upper

43 100

61 20.2 14.6 22.0

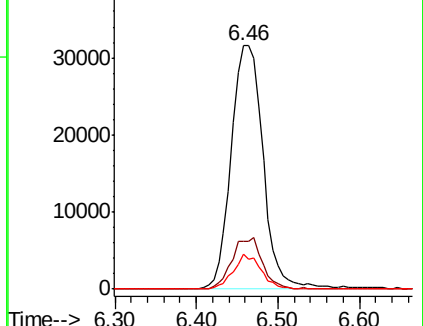
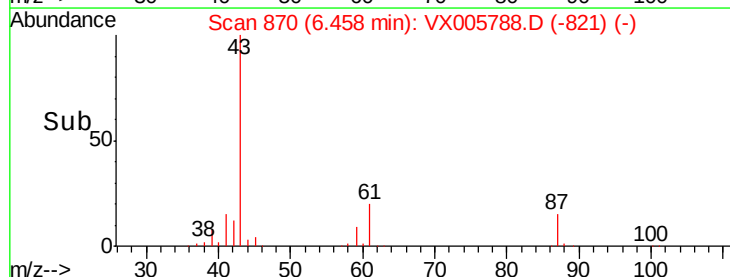
87 12.5 9.6 14.4

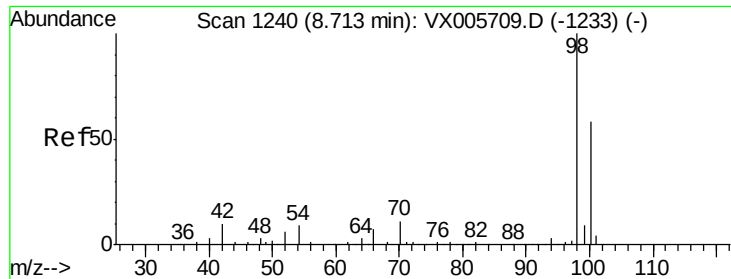


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

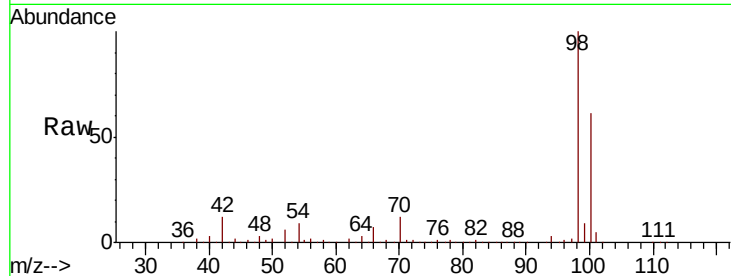




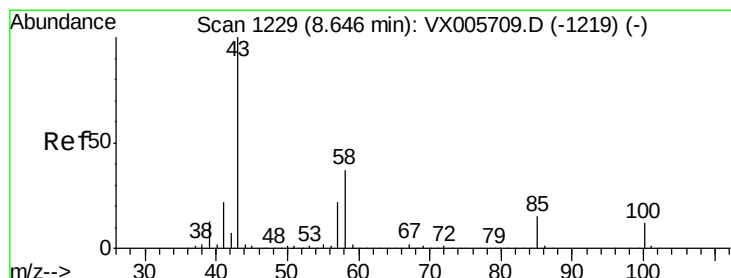
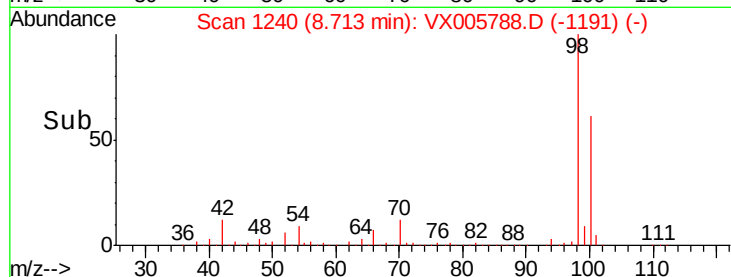
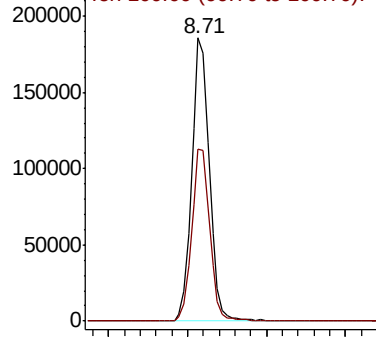
#50
Toluene-d8
Concen: 49.385 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005788.D
Acq: 05 Nov 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 288632
Ion Ratio Lower Upper
98 100
100 62.1 51.3 76.9

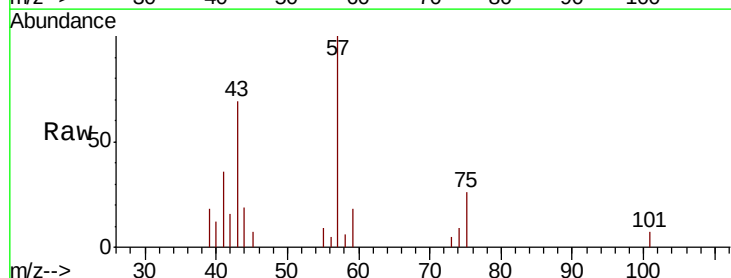


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

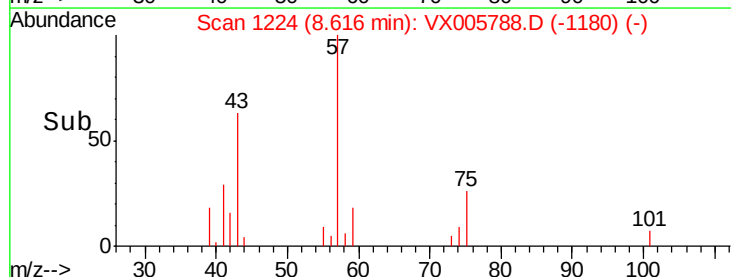
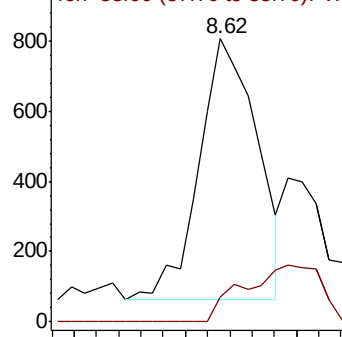


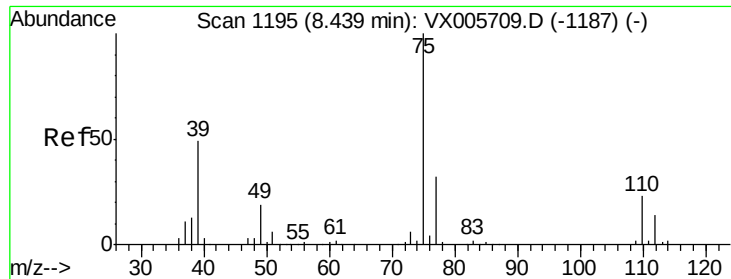
#51
4-Methyl-2-Pentanone
Concen: 0.416 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VX005788.D
Acq: 05 Nov 2018 19:37

Tgt Ion: 43 Resp: 1348
Ion Ratio Lower Upper
43 100
58 0.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



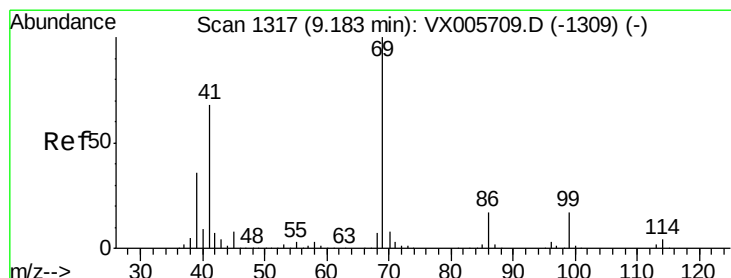
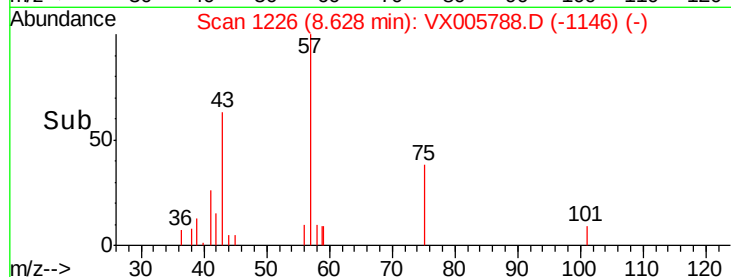
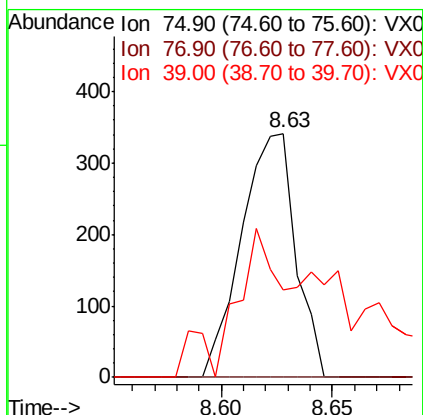
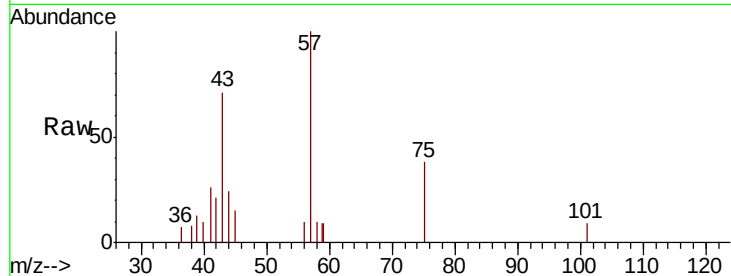


#54

cis-1,3-Dichloropropene
 Concen: 0.213 ug/l
 RT: 8.63 min Scan# 1226
 Delta R.T. 0.19 min
 Lab File: VX005788.D
 Acq: 05 Nov 2018 19:37

Instrument :
 MSVOA_X
 ClientSampled :

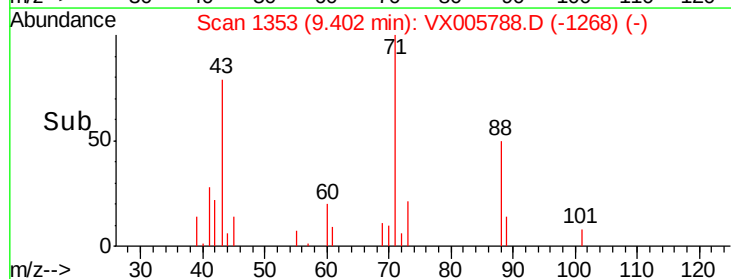
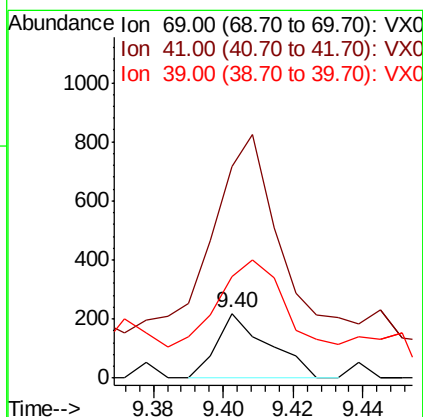
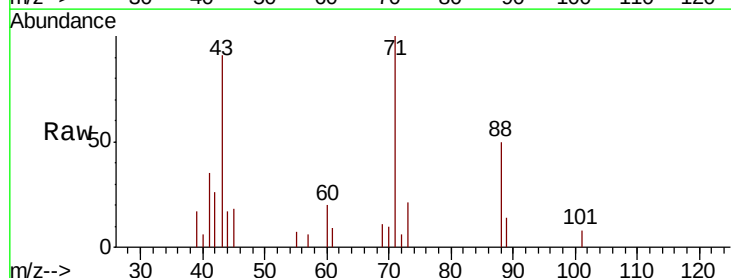
Tot Ion: 75 Resp: 580
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 16.4 38.2 57.2#

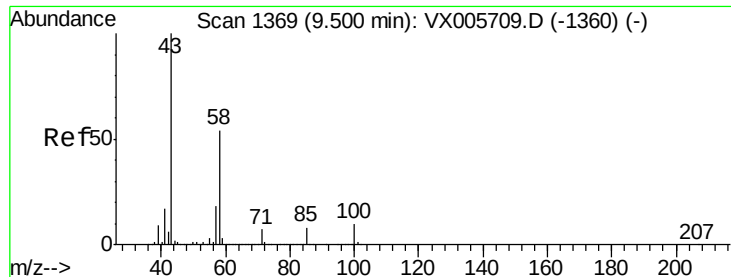


#56

Ethyl methacrylate
 Concen: 2.541 ug/l
 RT: 9.40 min Scan# 1353
 Delta R.T. 0.22 min
 Lab File: VX005788.D
 Acq: 05 Nov 2018 19:37

Tgt Ion: 69 Resp: 225
 Ion Ratio Lower Upper
 69 100
 41 838.2 57.0 85.6#
 39 181.8 28.3 42.5#

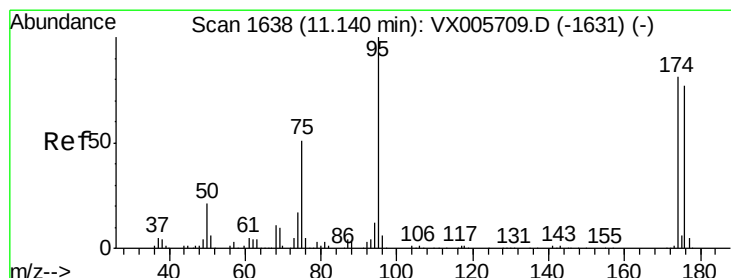
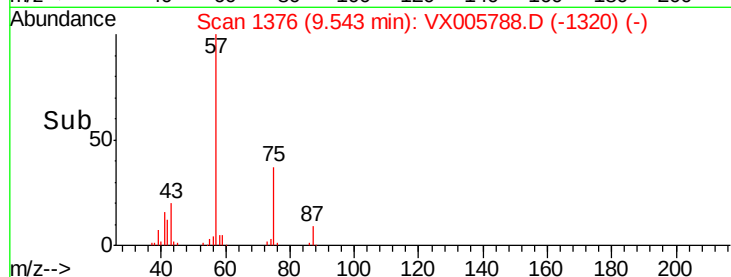
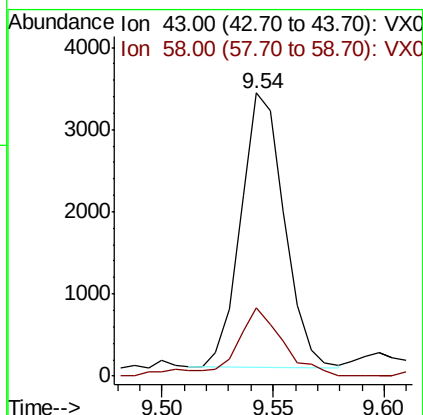
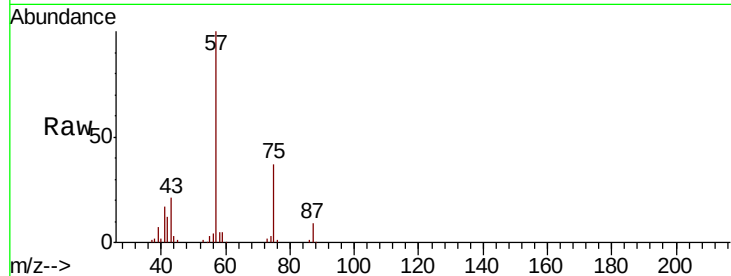




#59
2-Hexanone
Concen: 1.714 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.04 min
Lab File: VX005788.D
Acq: 05 Nov 2018 19:37

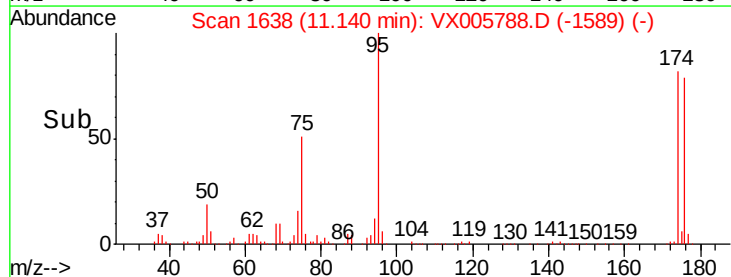
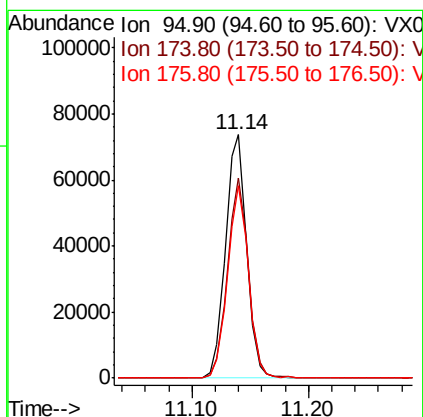
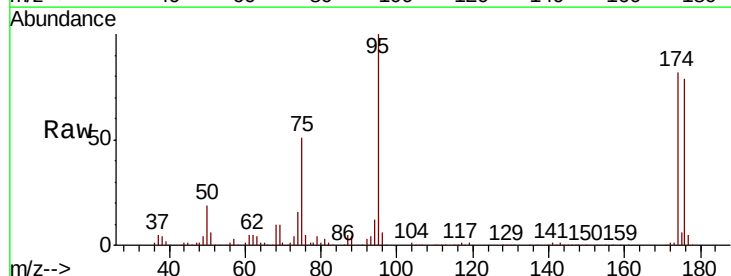
Instrument :
MSVOA_X
ClientSampleId :

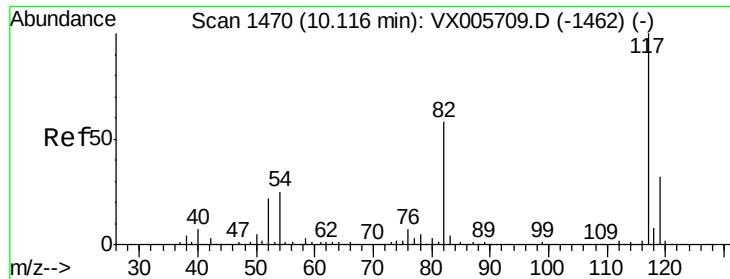
Tot Ion: 43 Resp: 4515
Ion Ratio Lower Upper
43 100
58 27.6 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 42.982 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005788.D
Acq: 05 Nov 2018 19:37

Tgt Ion: 95 Resp: 92715
Ion Ratio Lower Upper
95 100
174 81.4 0.0 184.4
176 78.2 0.0 177.4

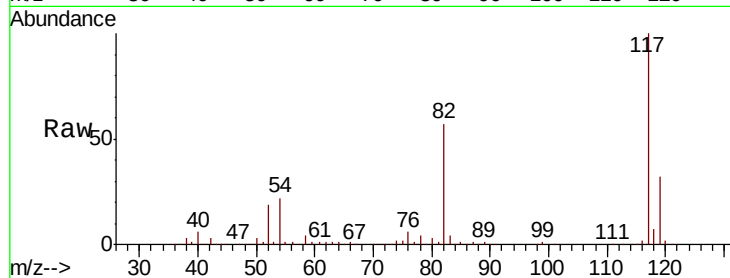




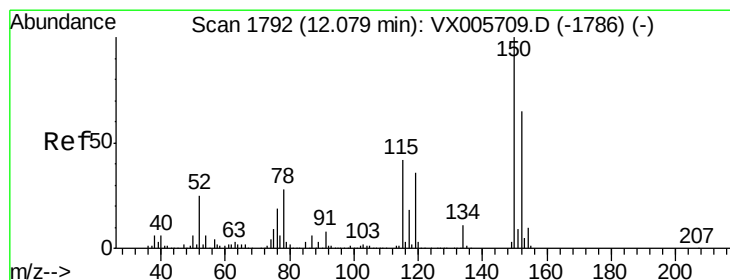
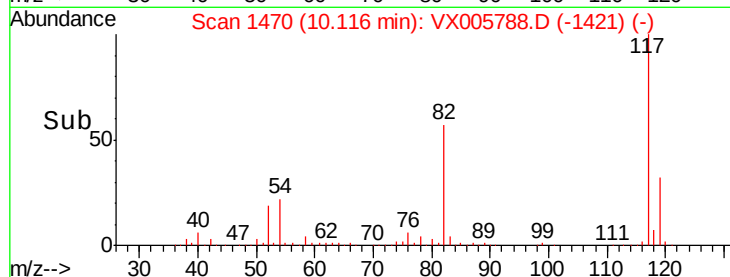
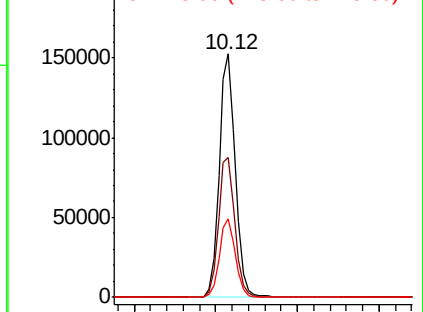
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005788.D
Acq: 05 Nov 2018 19:37

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 210295
Ion Ratio Lower Upper
117 100
82 57.3 44.1 66.1
119 32.0 26.2 39.2

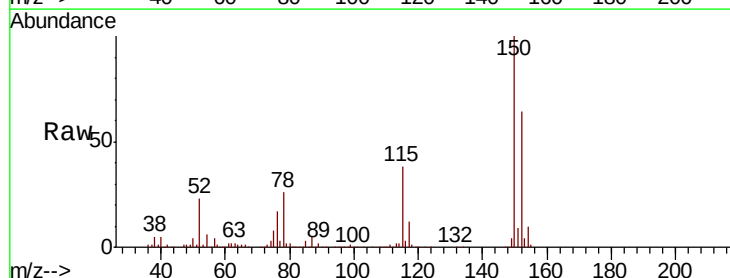


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

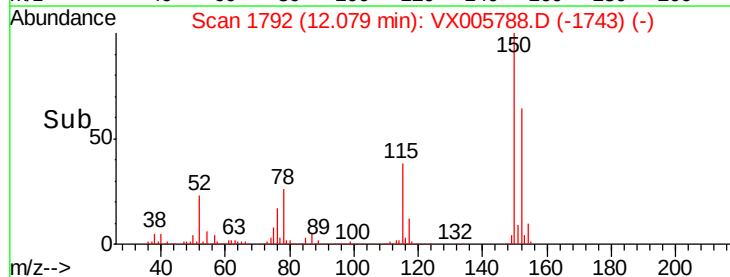
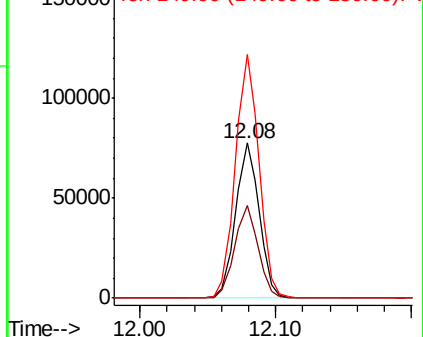


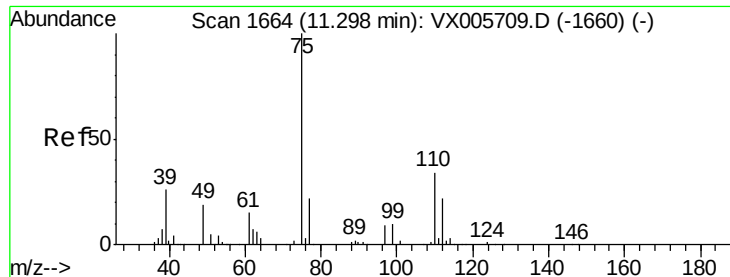
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005788.D
Acq: 05 Nov 2018 19:37

Tgt Ion:152 Resp: 93395
Ion Ratio Lower Upper
152 100
115 59.3 39.4 118.1
150 157.5 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.156 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005788.D

Acq: 05 Nov 2018 19:37

Instrument :

MSVOA_X

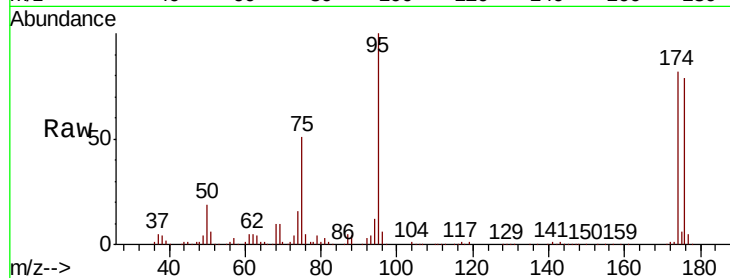
ClientSampleId :

Tot Ion: 75 Resp: 49211

Ion Ratio Lower Upper

75 100

77 1.1 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

40000

30000

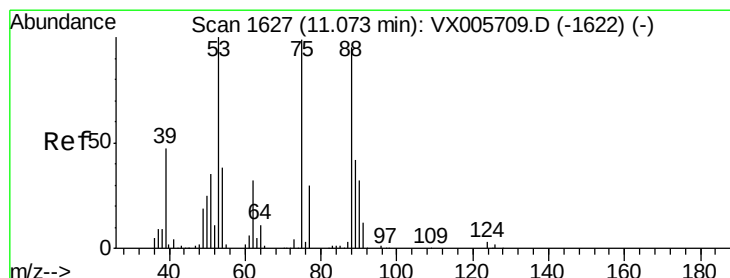
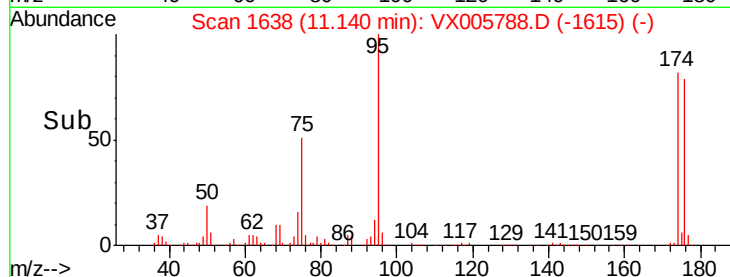
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 68.353 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005788.D

Acq: 05 Nov 2018 19:37

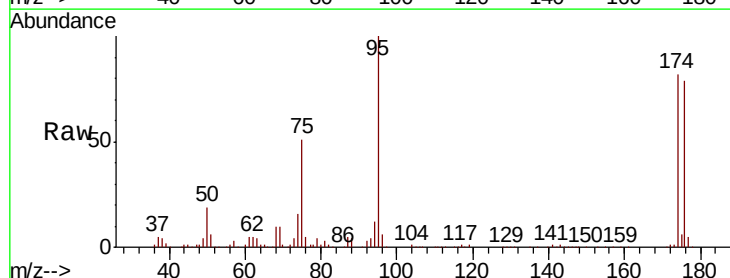
Tgt Ion: 75 Resp: 49211

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.0 39.8 59.8#



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

50000

40000

30000

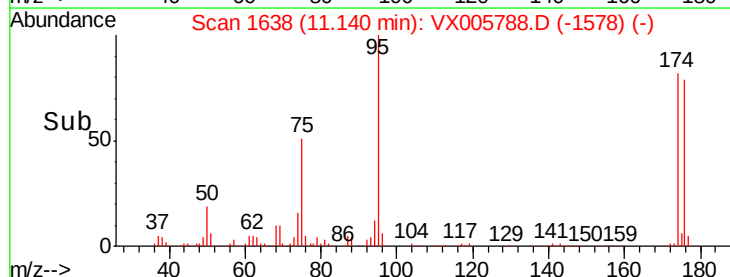
20000

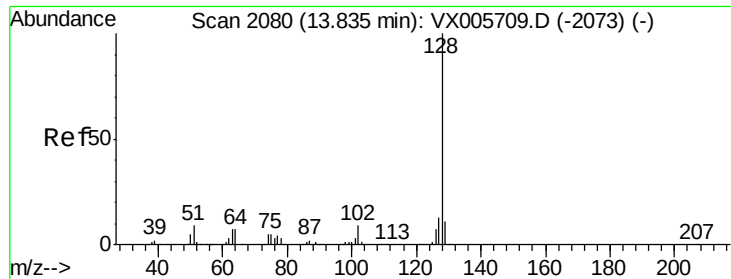
10000

0

Time-->

11.10 11.20

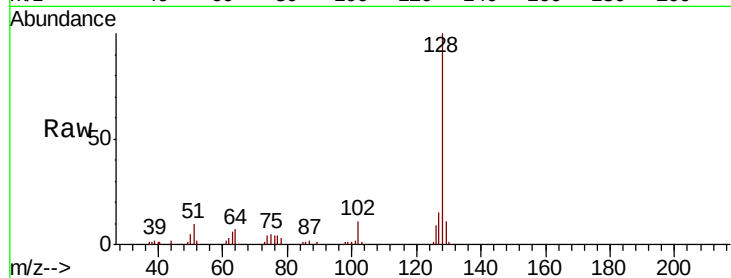




#95
Naphthalene
Concen: 2.364 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005788.D
Acq: 05 Nov 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.4	15.6
129	11.8	8.7	13.1



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

