

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110918\
 Data File : VX005878.D
 Acq On : 09 Nov 2018 23:31
 Operator : JC/MD
 Sample : J5889-01
 Misc : 9.92µ/5mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WALL-A

Quant Time: Nov 11 23:56:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	106265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	149044	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	128895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	65867	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	67350	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
35) Dibromofluoromethane	5.50	113	53830	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	8.71	98	178719	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	11.14	95	58772	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds

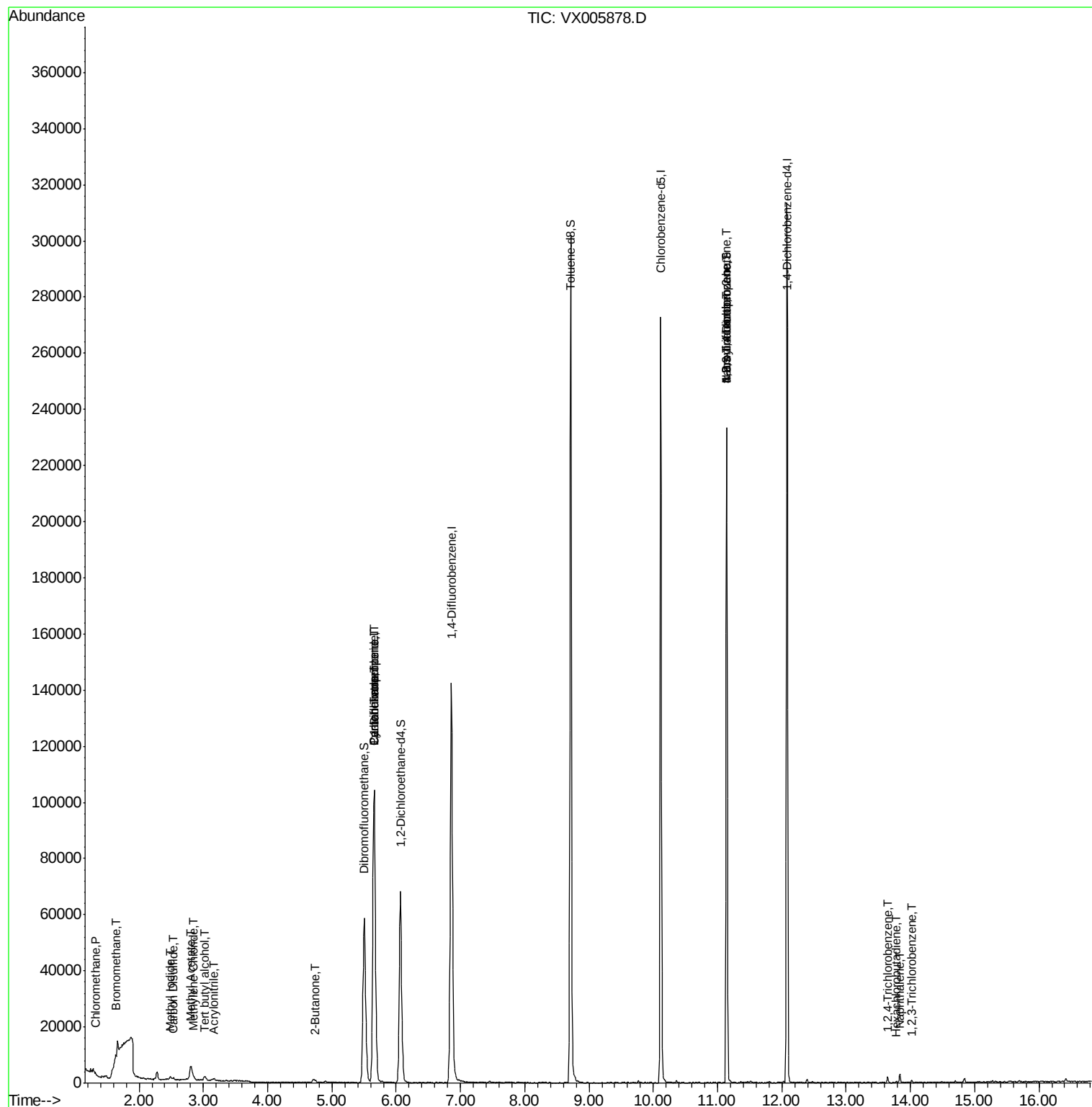
						Qvalue
3) Chloromethane	1.32	50	304	0.242	ug/l	94
5) Bromomethane	1.63	94	631	0.817	ug/l #	71
10) Methyl Iodide	2.48	142	388	0.332	ug/l #	88
11) Tert butyl alcohol	3.01	59	1304	3.726	ug/l #	72
15) Acrylonitrile	3.17	53	264	0.364	ug/l	87
17) Carbon Disulfide	2.53	76	869	0.310	ug/l #	75
18) Methyl Acetate	2.80	43	8506	3.444	ug/l	98
20) Methylene Chloride	2.85	84	358	0.331	ug/l #	82
25) 2-Butanone	4.73	43	1209	1.169	ug/l #	51
31) Cyclohexane	5.66	56	2118	1.245	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	7432	5.173	ug/l #	50
38) Carbon Tetrachloride	5.66	117	9835	6.837	ug/l #	15
74) N-amyl acetate	11.14	43	48	1.273	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	29760	22.189	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	29760	70.720	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	314	Below Cal		81
93) 1,2,4-Trichlorobenzene	13.65	180	653	0.449	ug/l	96
94) Hexachlorobutadiene	13.79	225	153	0.200	ug/l	89
95) Naphthalene	13.83	128	2117	1.614	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	302	0.204	ug/l	97

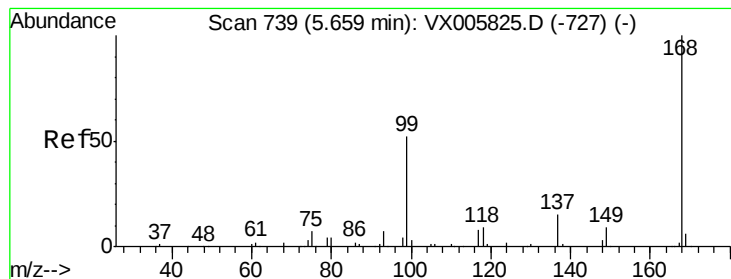
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005878.D

Acq: 09 Nov 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

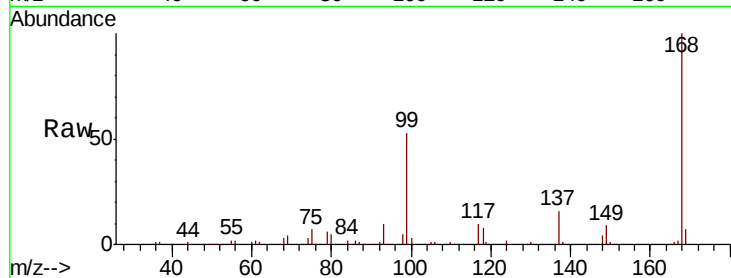
WALL-A

Tot Ion:168 Resp: 106265

Ion Ratio Lower Upper

168 100

99 53.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

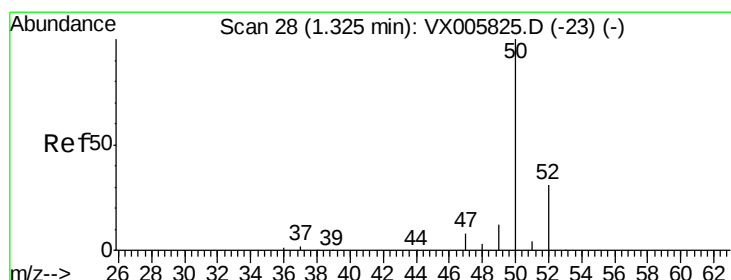
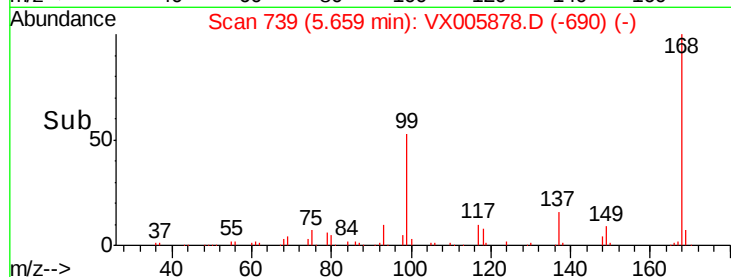
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.242 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005878.D

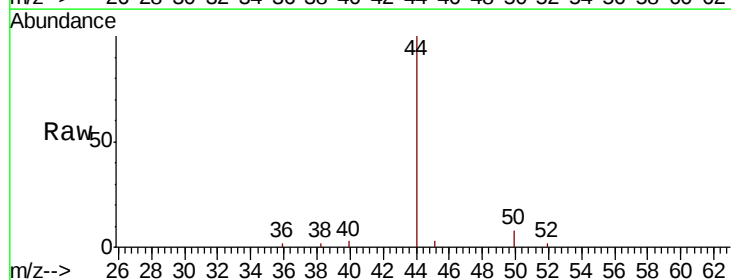
Acq: 09 Nov 2018 23:31

Tgt Ion: 50 Resp: 304

Ion Ratio Lower Upper

50 100

52 29.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

300

250

200

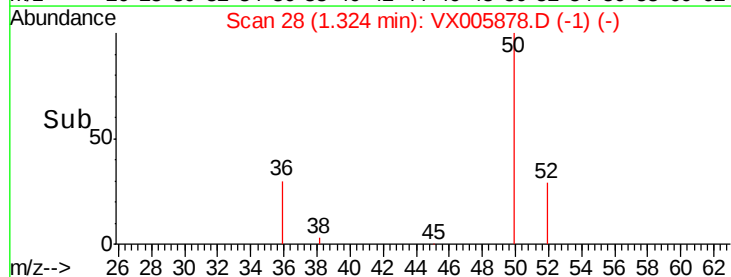
150

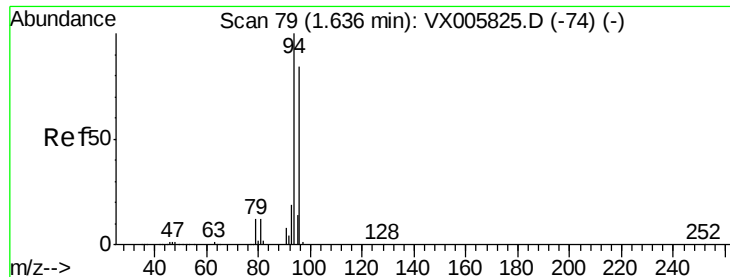
100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.817 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX005878.D

Acq: 09 Nov 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

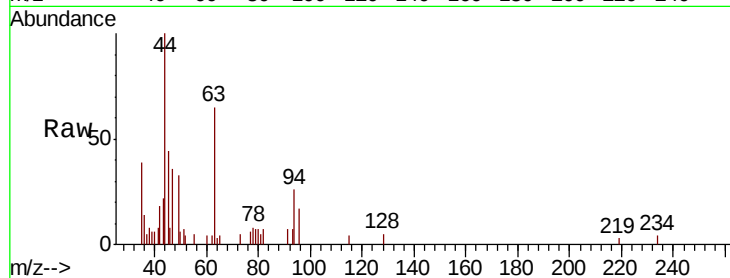
WALL-A

Tot Ion: 94 Resp: 631

Ion Ratio Lower Upper

94 100

96 66.4 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

400

300

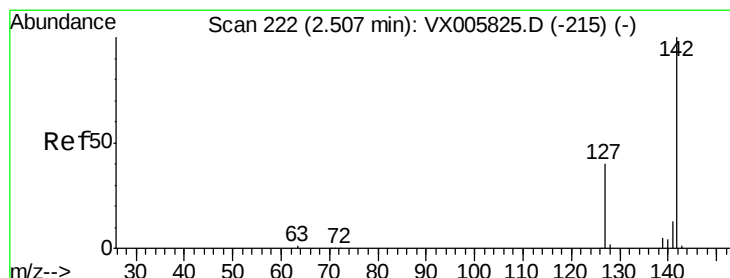
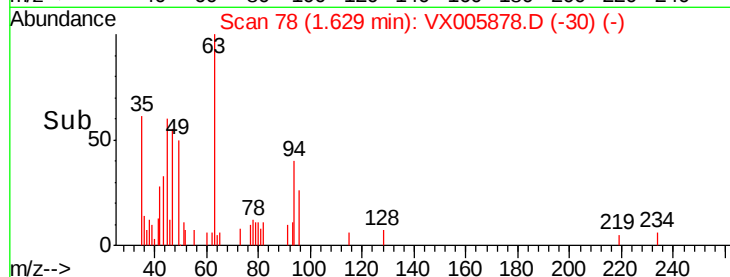
200

100

0

1.60 1.62 1.64 1.66 1.68

Time-->



#10

Methyl Iodide

Concen: 0.332 ug/l

RT: 2.48 min Scan# 218

Delta R.T. -0.02 min

Lab File: VX005878.D

Acq: 09 Nov 2018 23:31

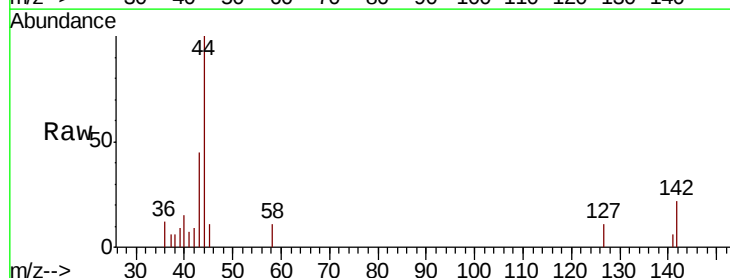
Tgt Ion: 142 Resp: 388

Ion Ratio Lower Upper

142 100

127 36.3 36.0 54.0

141 10.8 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

250

200

150

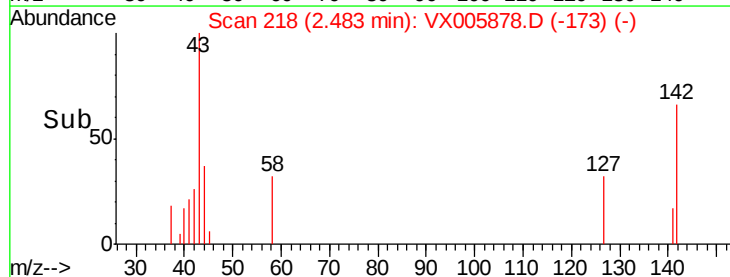
100

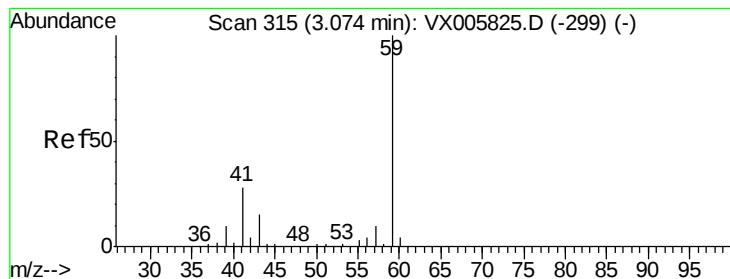
50

0

2.45 2.50

Time-->



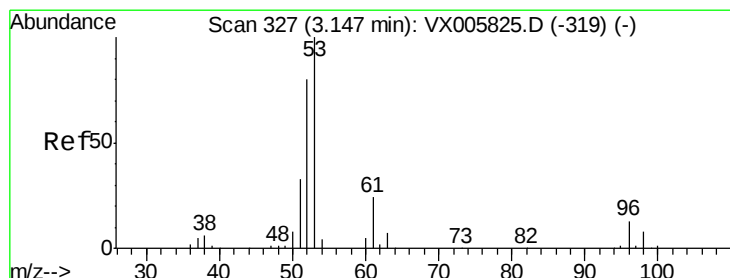
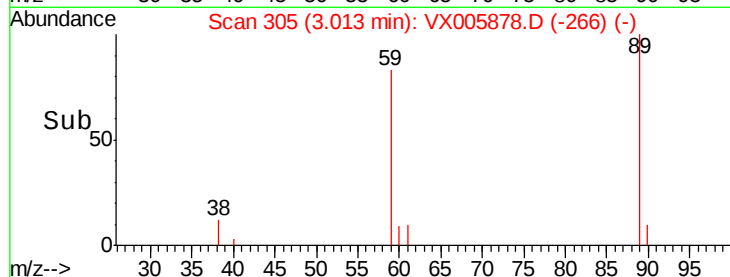
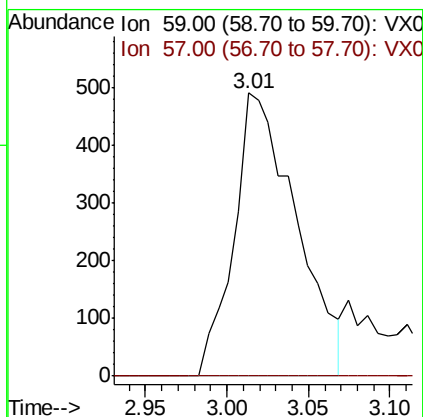
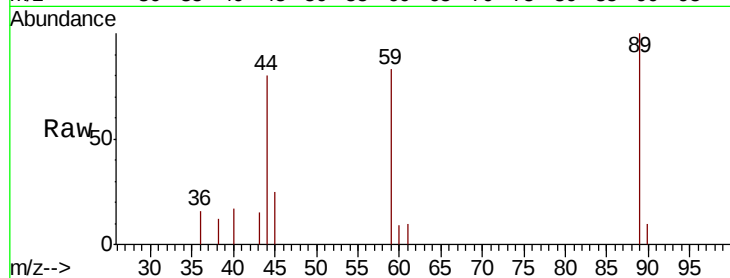


#11

Tert butyl alcohol
 Concen: 3.726 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.06 min
 Lab File: VX005878.D
 Acq: 09 Nov 2018 23:31

Instrument :
 MSVOA_X
 ClientSampled :
 WALL-A

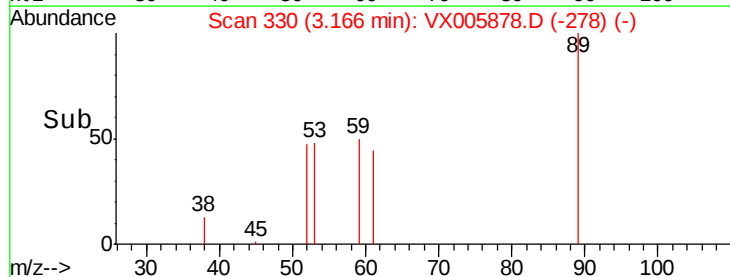
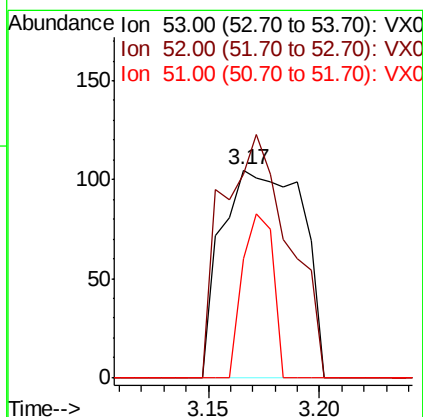
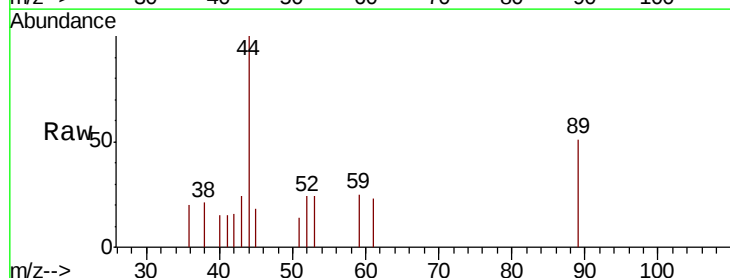
Tot Ion: 59 Resp: 1304
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

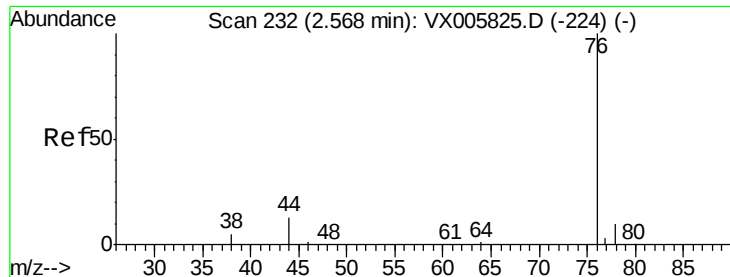


#15

Acrylonitrile
 Concen: 0.364 ug/l
 RT: 3.17 min Scan# 330
 Delta R.T. 0.02 min
 Lab File: VX005878.D
 Acq: 09 Nov 2018 23:31

Tgt Ion: 53 Resp: 264
 Ion Ratio Lower Upper
 53 100
 52 96.6 66.6 99.8
 51 30.3 28.4 42.6

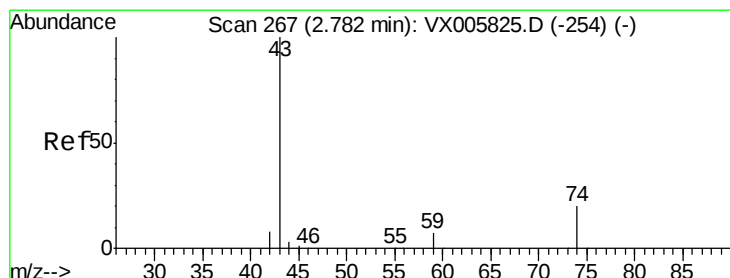
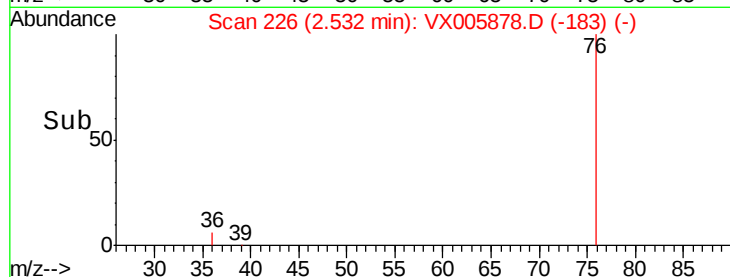
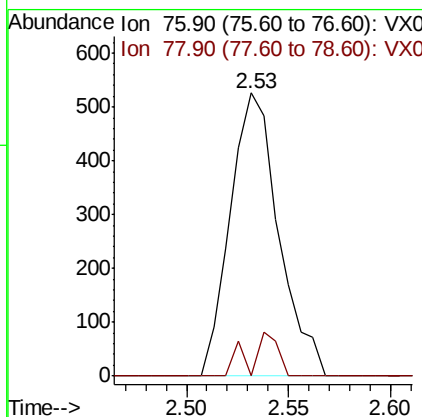
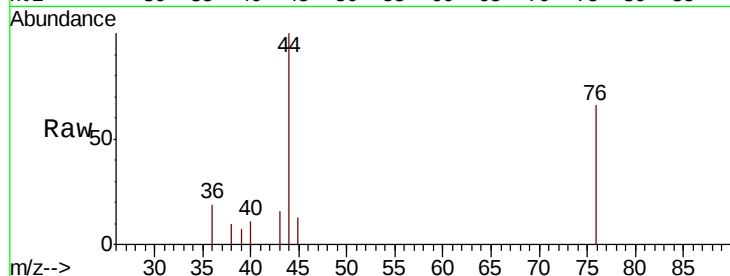




#17
Carbon Disulfide
Concen: 0.310 ug/l
RT: 2.53 min Scan# 226
Delta R.T. -0.04 min
Lab File: VX005878.D
Acq: 09 Nov 2018 23:31

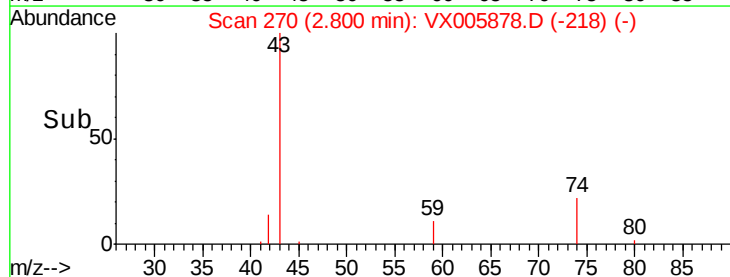
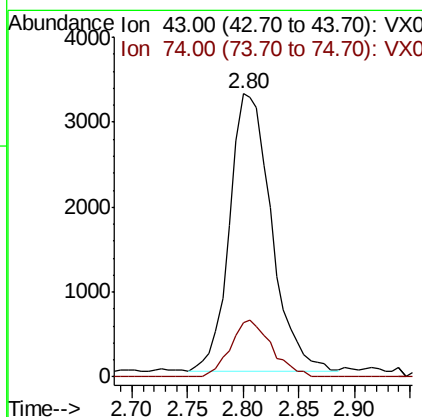
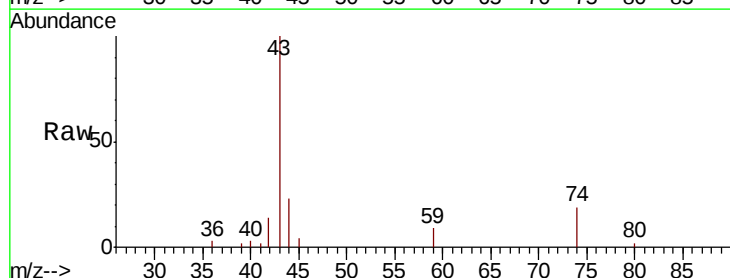
Instrument :
MSVOA_X
ClientSampled :
WALL-A

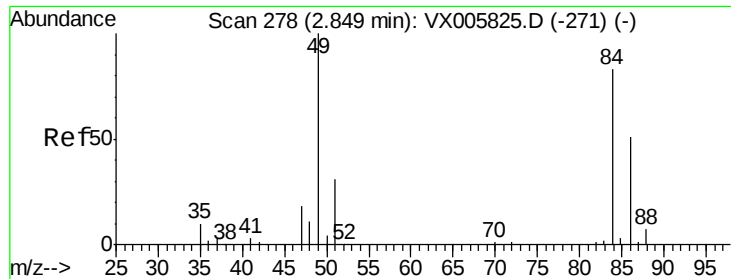
Tot Ion: 76 Resp: 869
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: 3.444 ug/l
RT: 2.80 min Scan# 270
Delta R.T. 0.02 min
Lab File: VX005878.D
Acq: 09 Nov 2018 23:31

Tgt Ion: 43 Resp: 8506
Ion Ratio Lower Upper
43 100
74 20.0 16.8 25.2

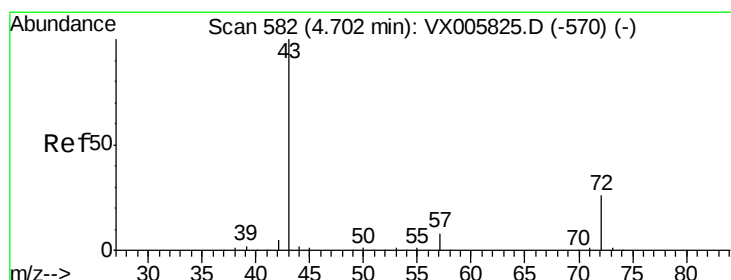
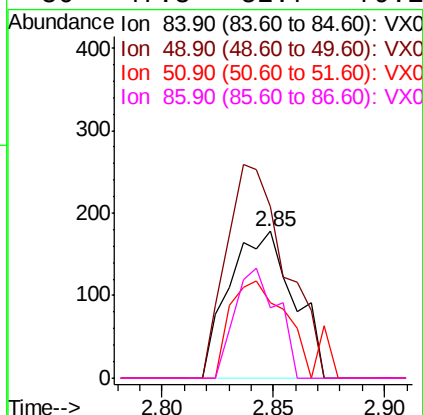
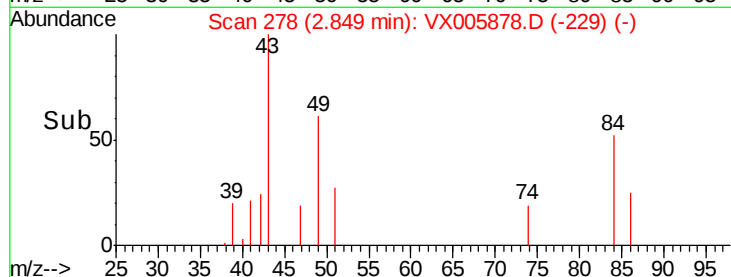
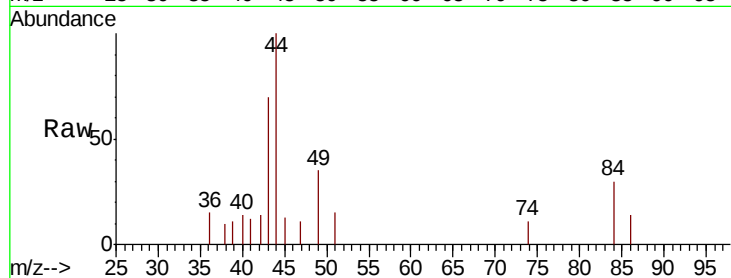




#20
Methvlene Chloride
Concen: 0.331 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX005878.D
Acq: 09 Nov 2018 23:31

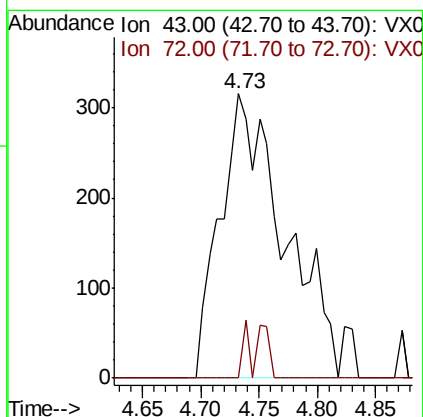
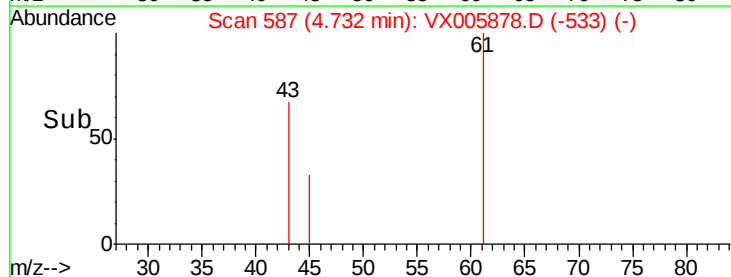
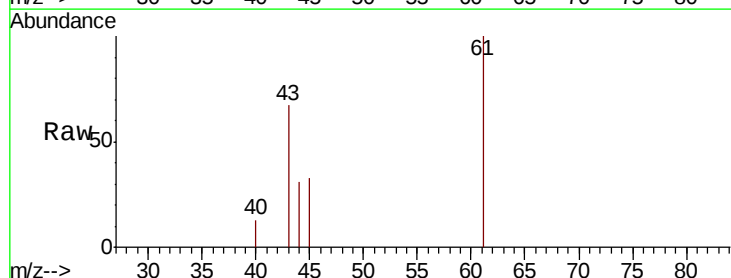
Instrument :
MSVOA_X
ClientSampleId :
WALL-A

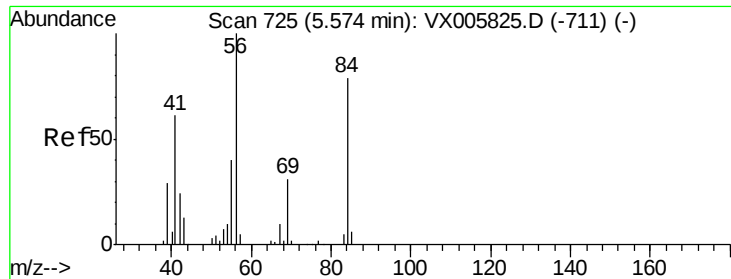
Tot Ion:	84	Resp:	358
Ion	Ratio	Lower	Upper
84	100		
49	116.3	109.5	164.3
51	51.1	33.3	49.9#
86	47.8	52.7	79.1#



#25
2-Butanone
Concen: 1.169 ug/l
RT: 4.73 min Scan# 587
Delta R.T. 0.03 min
Lab File: VX005878.D
Acq: 09 Nov 2018 23:31

Tgt Ion:	43	Resp:	1209
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.2	28.8#

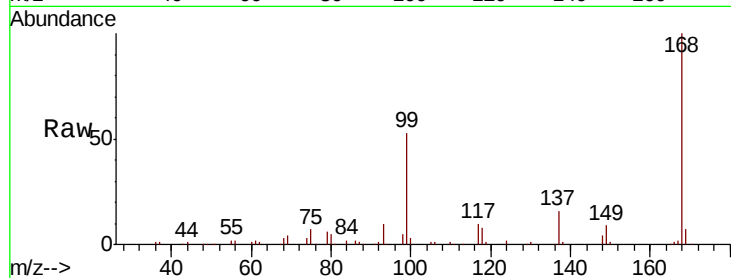




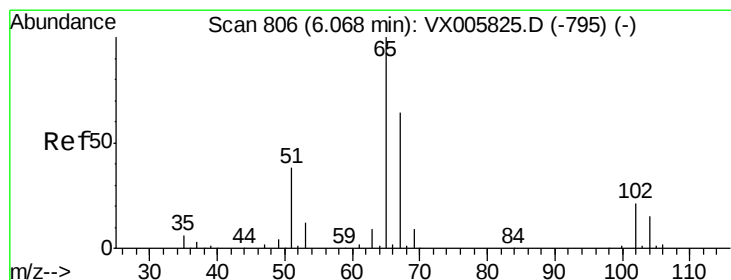
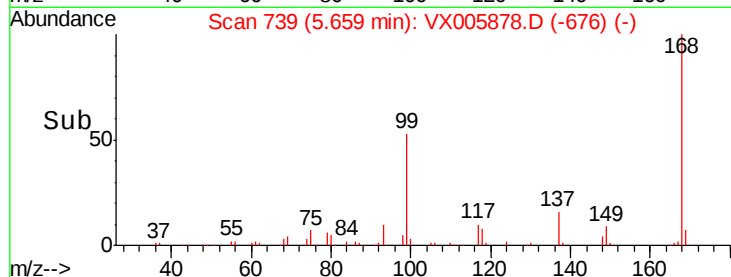
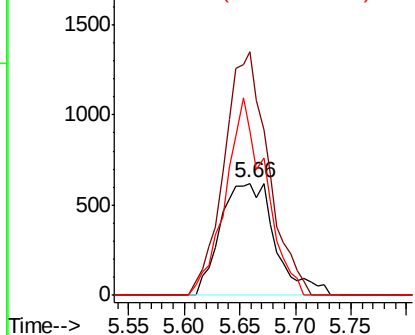
#31
Cyclohexane
Concen: 1.245 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005878.D
Acq: 09 Nov 2018 23:31

Instrument :
MSVOA_X
ClientSampleId :
WALL-A

Tot Ion: 56 Resp: 2118
Ion Ratio Lower Upper
56 100
69 217.2 22.6 34.0#
84 146.1 62.7 94.1#

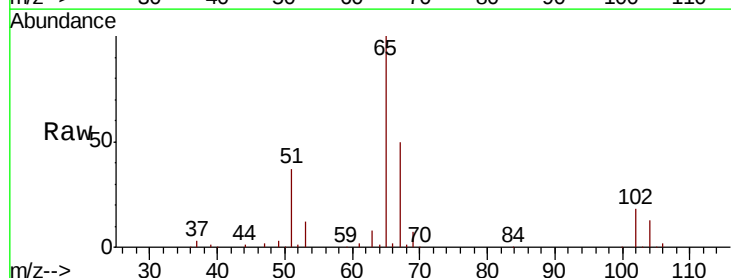


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

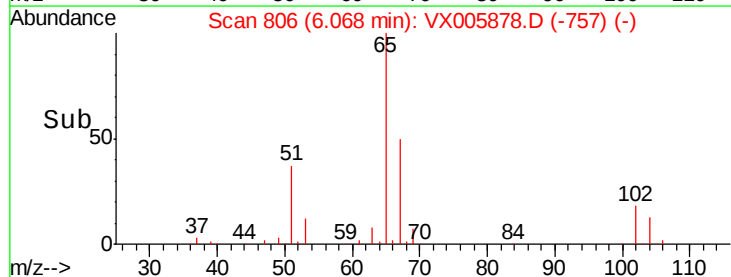
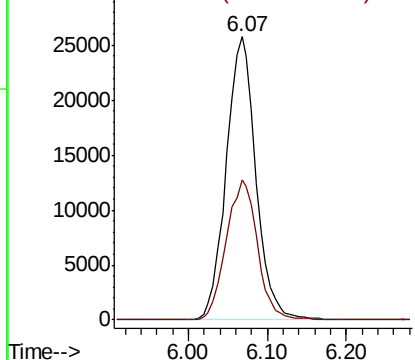


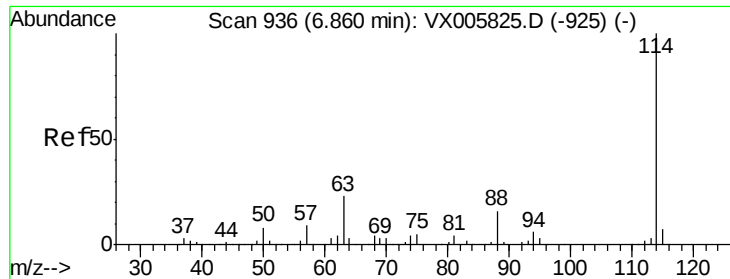
#33
1,2-Dichloroethane-d4
Concen: 55.130 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005878.D
Acq: 09 Nov 2018 23:31

Tgt Ion: 65 Resp: 67350
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

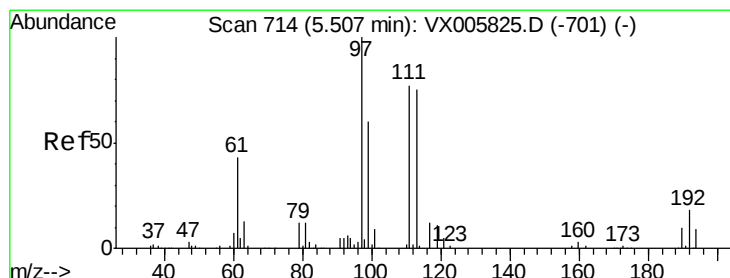
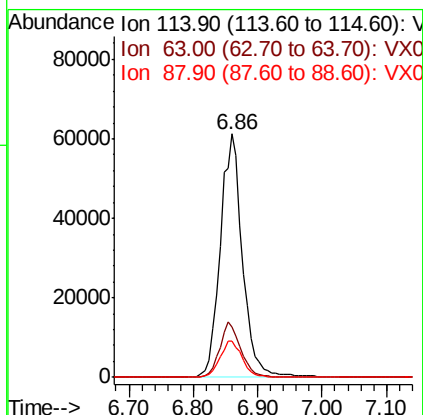
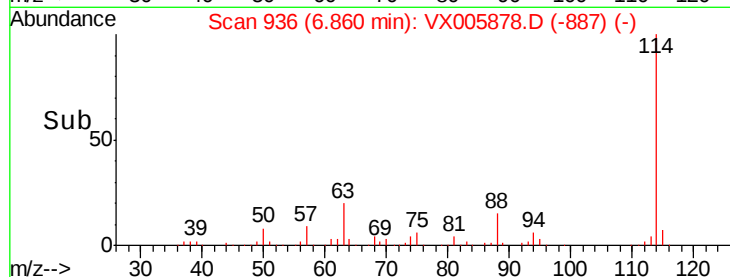
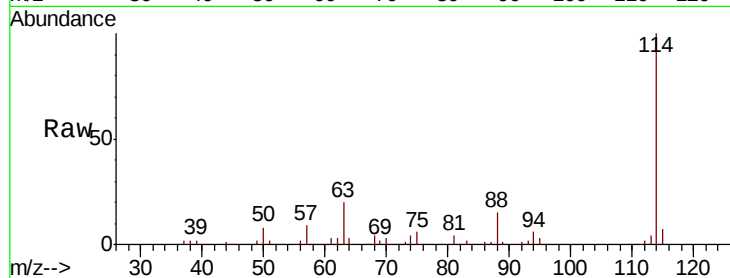




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005878.D
Acq: 09 Nov 2018 23:31

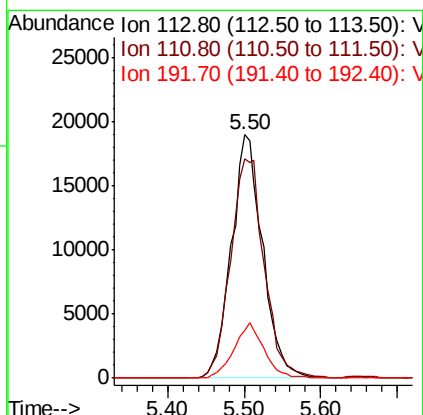
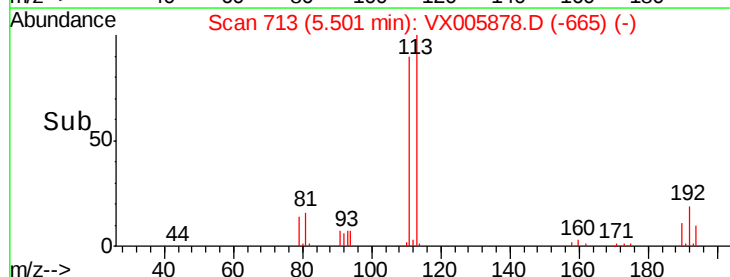
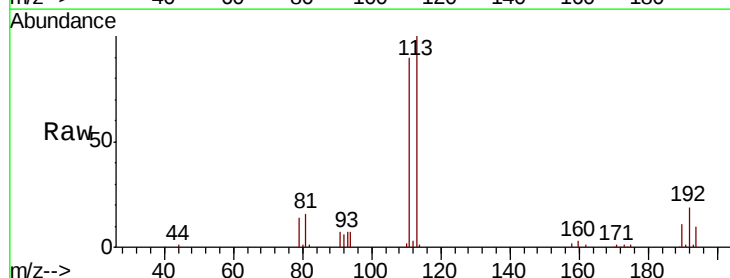
Instrument :
MSVOA_X
ClientSampleId :
WALL-A

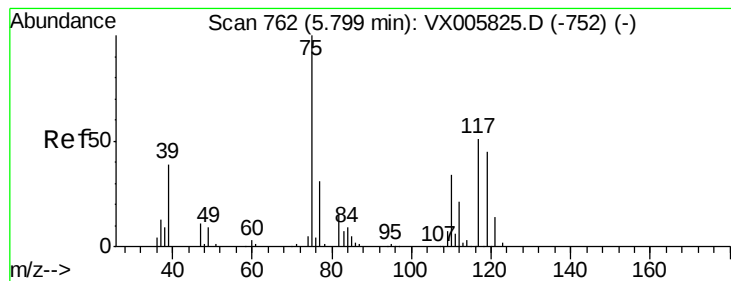
Tot Ion:114 Resp: 149044
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.8
88 14.7 0.0 31.2



#35
Dibromofluoromethane
Concen: 53.101 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: VX005878.D
Acq: 09 Nov 2018 23:31

Tgt Ion:113 Resp: 53830
Ion Ratio Lower Upper
113 100
111 96.9 82.3 123.5
192 21.8 17.9 26.9





#36

1,1-Dichloropropene

Concen: 5.173 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX005878.D

Acq: 09 Nov 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

WALL-A

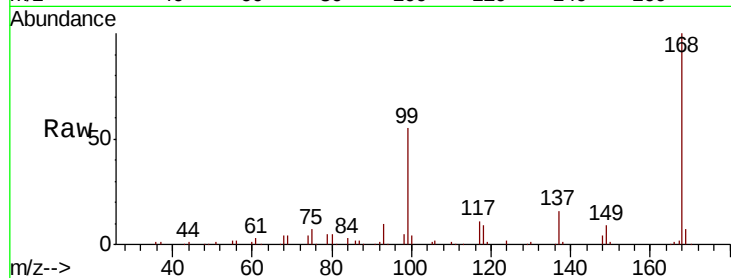
Tot Ion: 75 Resp: 7432

Ion Ratio Lower Upper

75 100

110 9.8 17.4 52.2#

77 0.0 25.8 38.6#

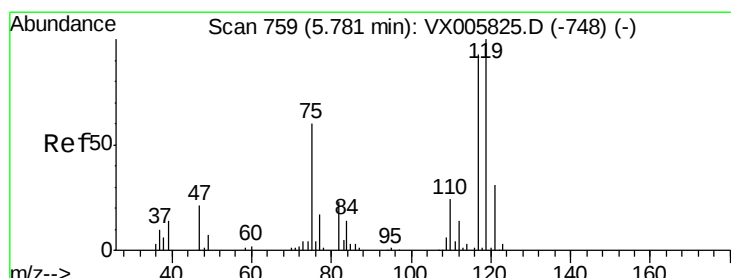
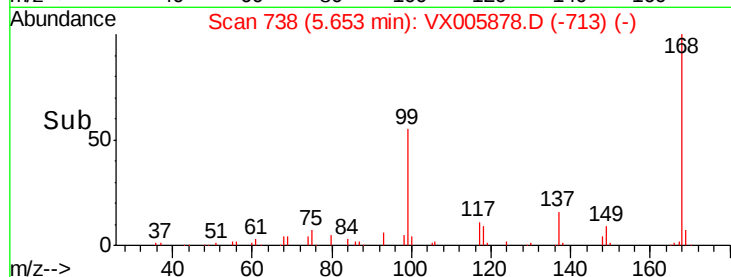


Abundance Ion 74.90 (74.60 to 75.60): VX005825.D (-752) (-)

Ion 109.90 (109.60 to 110.60): VX005825.D (-752) (-)

Ion 76.90 (76.60 to 77.60): VX005825.D (-752) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.837 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005878.D

Acq: 09 Nov 2018 23:31

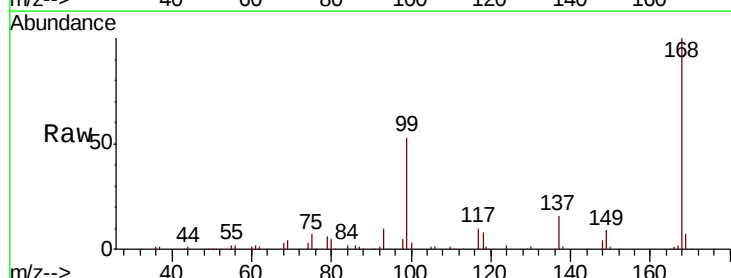
Tgt Ion: 117 Resp: 9835

Ion Ratio Lower Upper

117 100

119 5.2 78.1 117.1#

121 0.0 24.6 36.8#

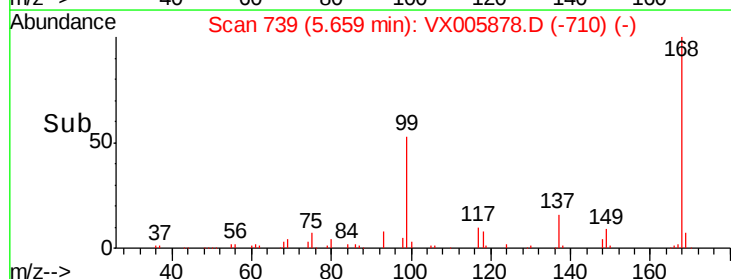


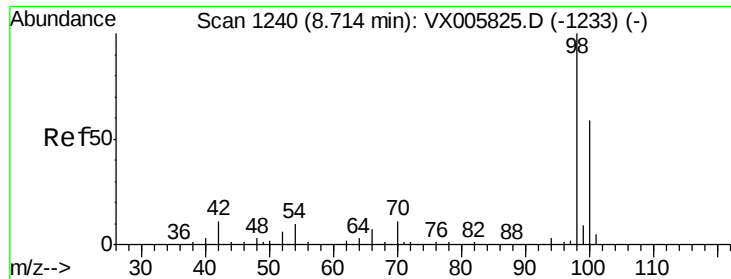
Abundance Ion 116.80 (116.50 to 117.50): VX005825.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX005825.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX005825.D (-748) (-)

Time-->

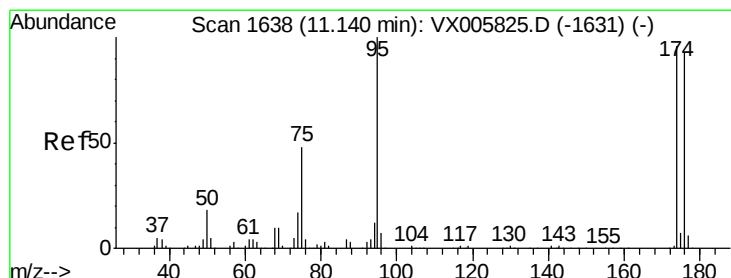
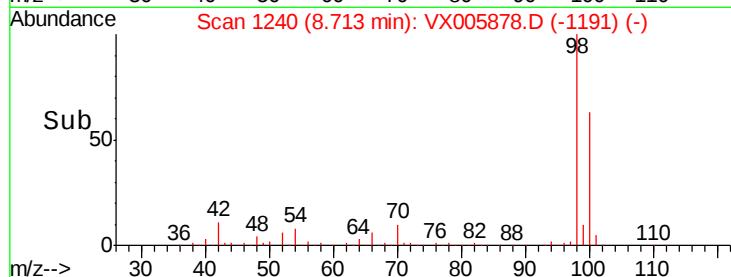
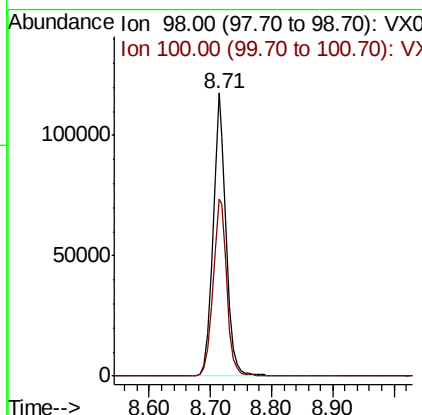
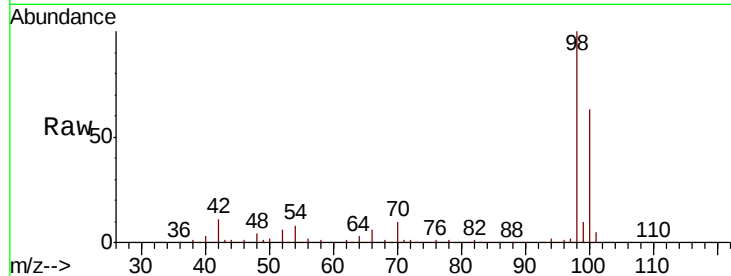




#50
Toluene-d8
Concen: 53.029 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005878.D
Acq: 09 Nov 2018 23:31

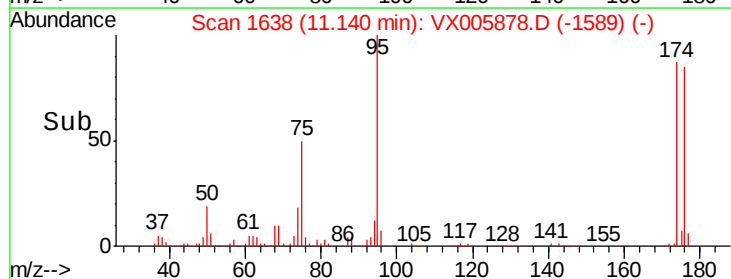
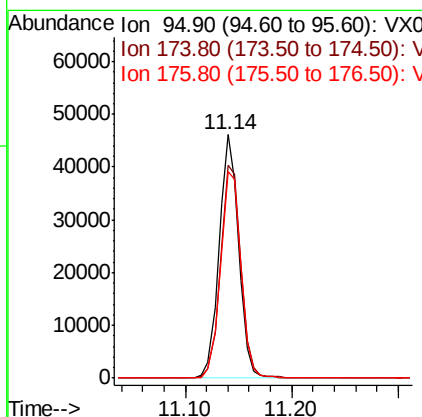
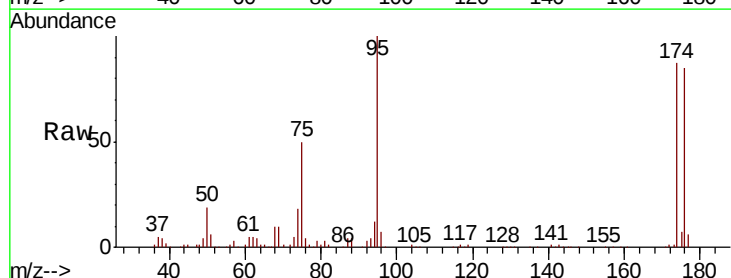
Instrument :
MSVOA_X
ClientSampleId :
WALL-A

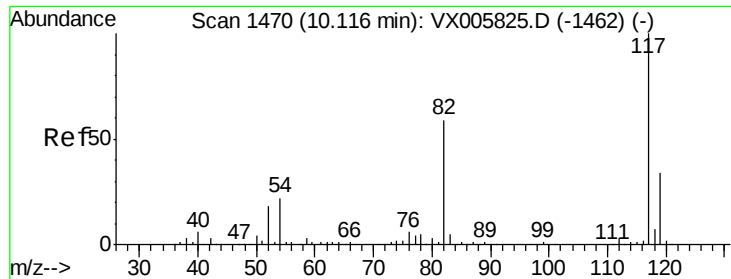
Tot Ion: 98 Resp: 178719
Ion Ratio Lower Upper
98 100
100 66.6 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 48.503 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005878.D
Acq: 09 Nov 2018 23:31

Tgt Ion: 95 Resp: 58772
Ion Ratio Lower Upper
95 100
174 91.6 0.0 184.4
176 88.8 0.0 177.4

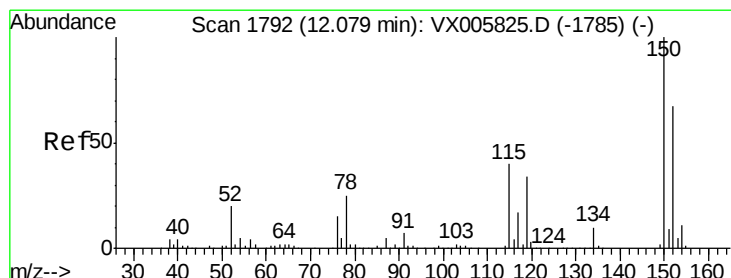
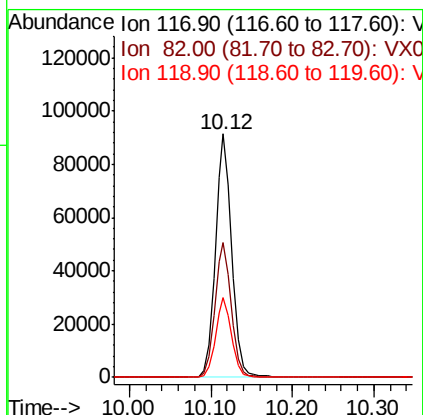
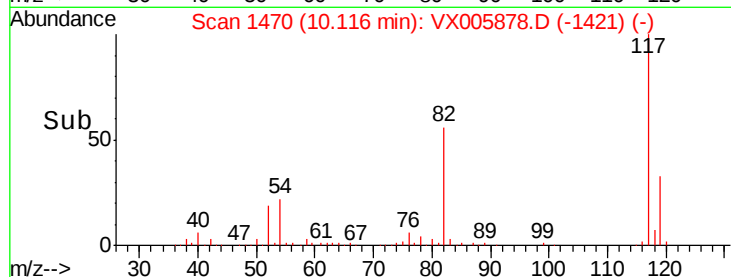
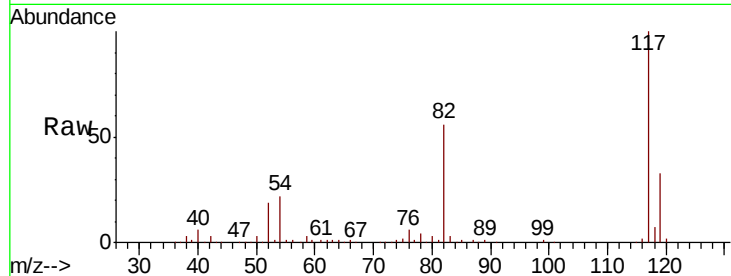




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005878.D
Acq: 09 Nov 2018 23:31

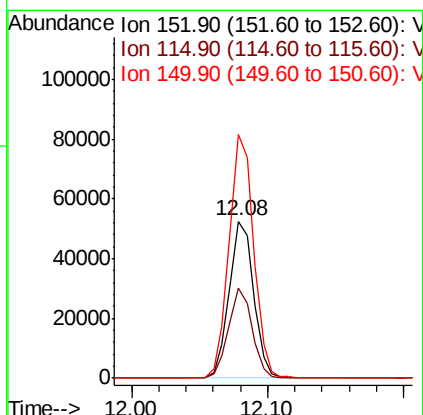
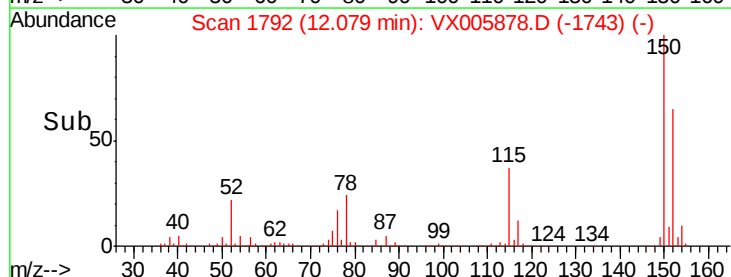
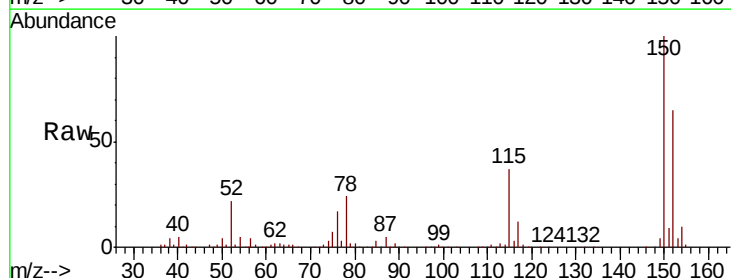
Instrument :
MSVOA_X
ClientSampleId :
WALL-A

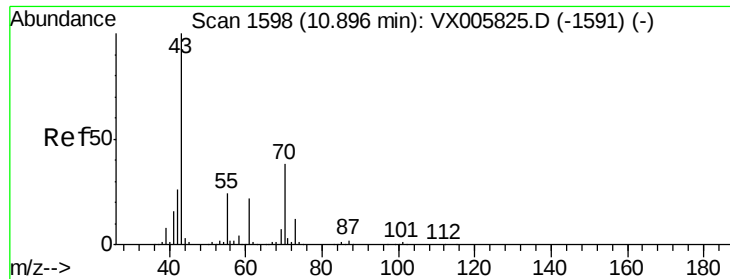
Tot Ion:117 Resp: 128895
Ion Ratio Lower Upper
117 100
82 55.6 44.1 66.1
119 32.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005878.D
Acq: 09 Nov 2018 23:31

Tgt Ion:152 Resp: 65867
Ion Ratio Lower Upper
152 100
115 55.8 39.4 118.1
150 155.8 0.0 346.4





#74

N-amvl acetate

Concen: 1.273 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.24 min

Lab File: VX005878.D

Acq: 09 Nov 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

WALL-A

Tot Ion: 43 Resp: 48

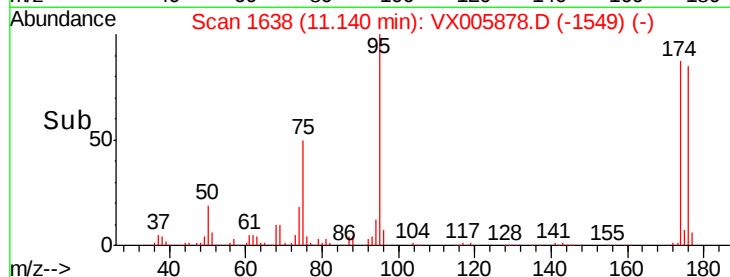
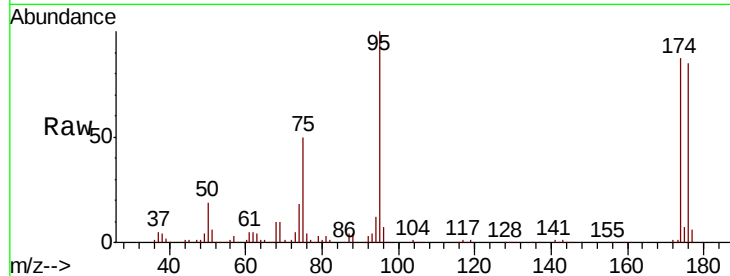
Ion Ratio Lower Upper

43 100

70 1060.4 31.6 47.4#

55 456.3 19.7 29.5#

61 5972.9 18.3 27.5#

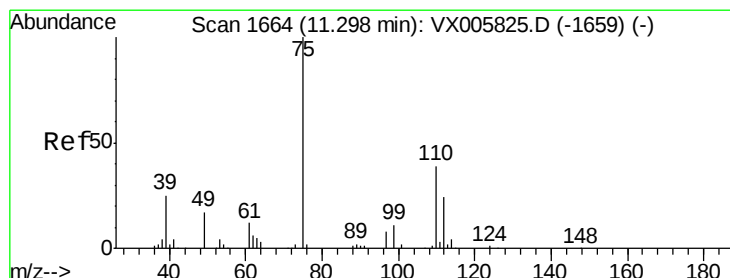
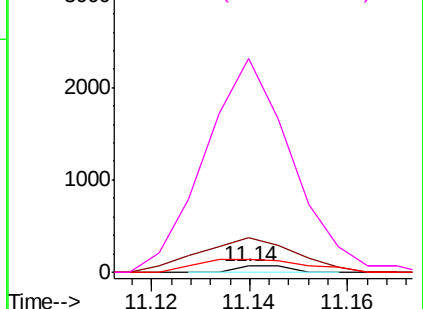


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 22.189 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005878.D

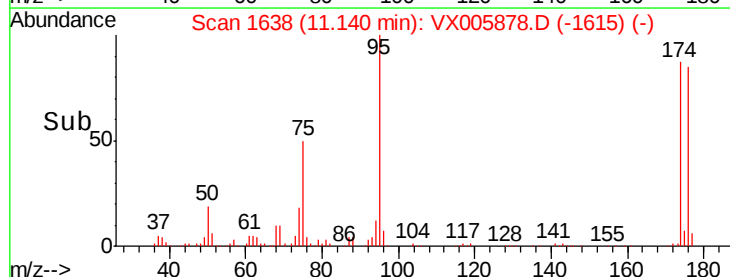
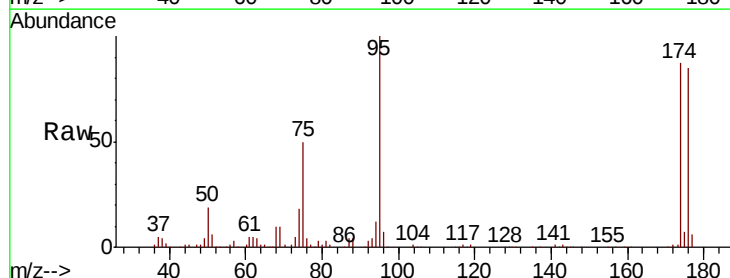
Acq: 09 Nov 2018 23:31

Tgt Ion: 75 Resp: 29760

Ion Ratio Lower Upper

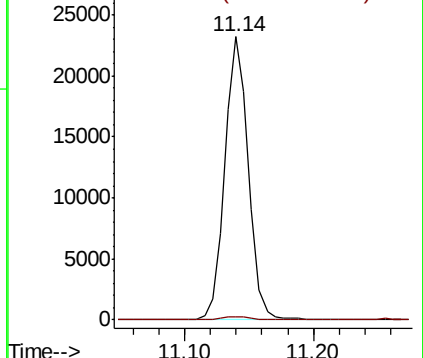
75 100

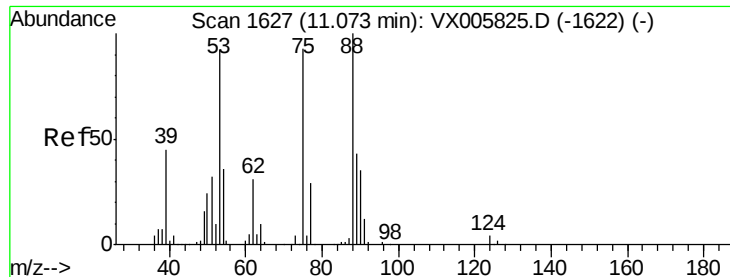
77 1.3 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 70.720 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005878.D

Acq: 09 Nov 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

WALL-A

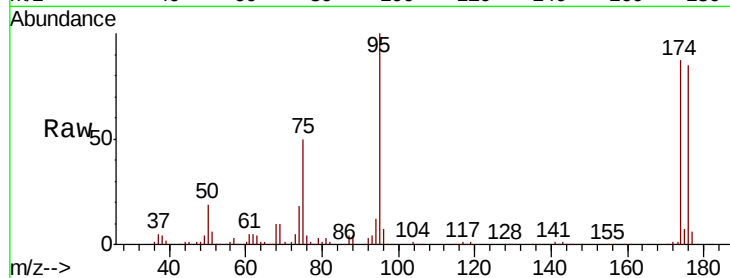
Tot Ion: 75 Resp: 29760

Ion Ratio Lower Upper

75 100

53 0.1 80.2 120.2#

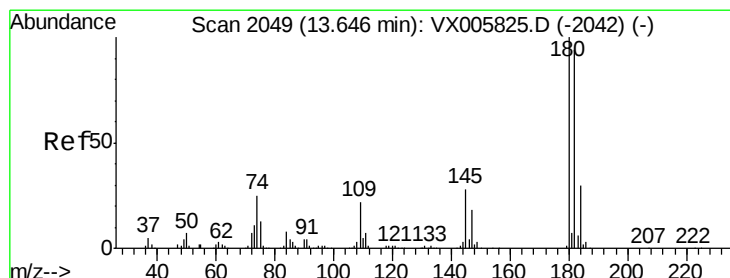
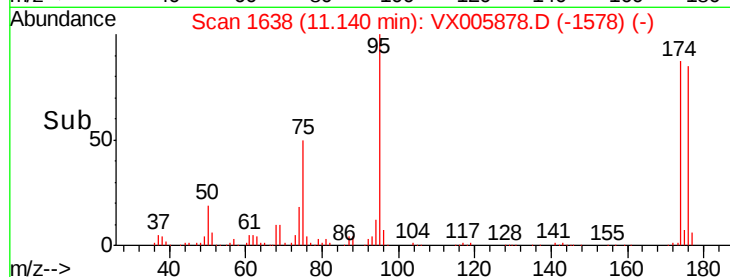
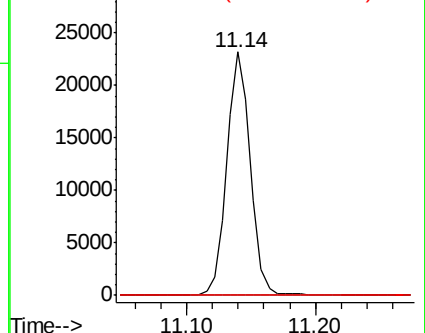
89 0.0 39.8 59.8#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.449 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX005878.D

Acq: 09 Nov 2018 23:31

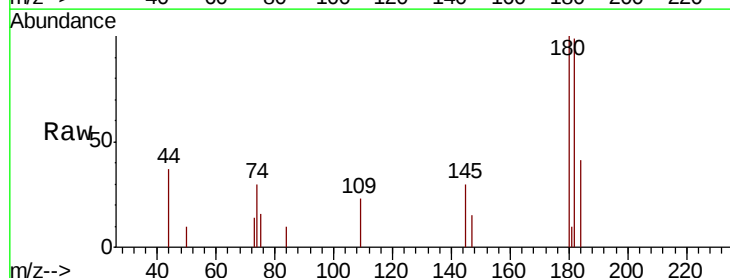
Tgt Ion: 180 Resp: 653

Ion Ratio Lower Upper

180 100

182 91.0 47.6 142.8

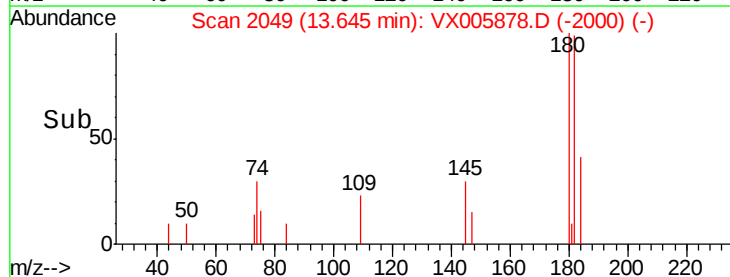
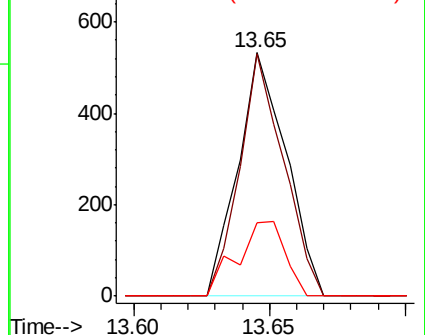
145 30.5 14.1 42.2

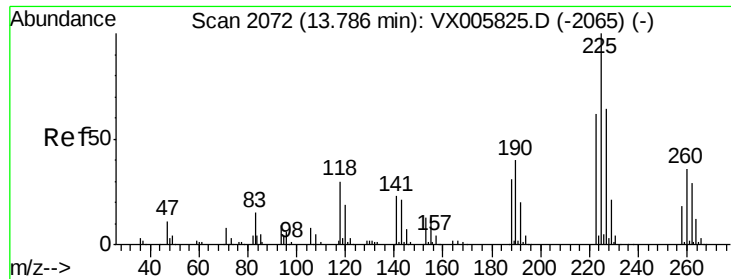


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.200 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX005878.D

Acq: 09 Nov 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

WALL-A

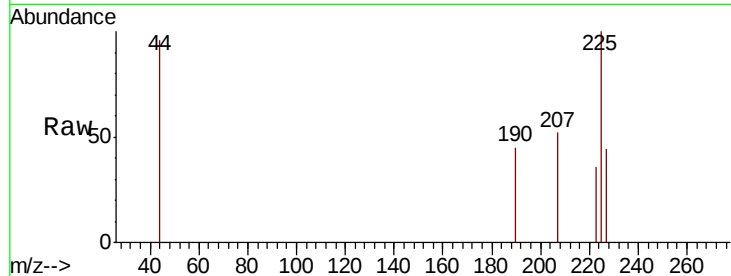
Tot Ion:225 Resp: 153

Ion Ratio Lower Upper

225 100

223 60.8 31.7 95.1

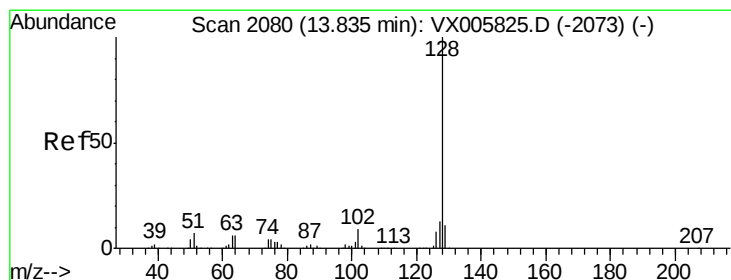
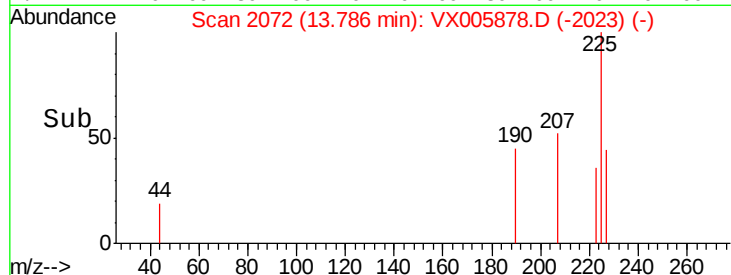
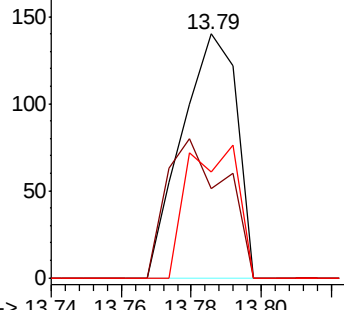
227 49.7 32.3 96.9



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: 1.614 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005878.D

Acq: 09 Nov 2018 23:31

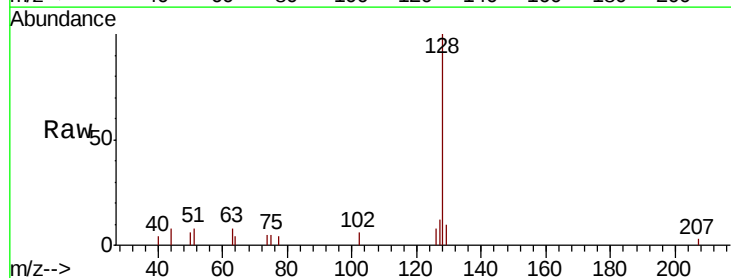
Tgt Ion:128 Resp: 2117

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

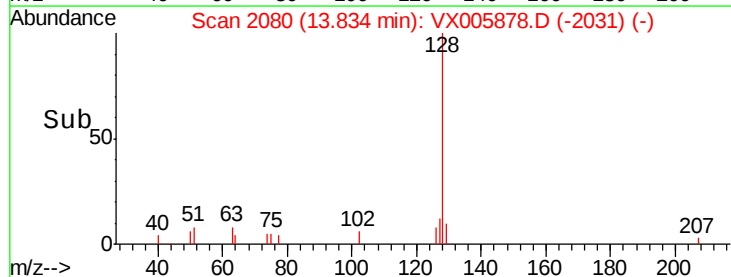
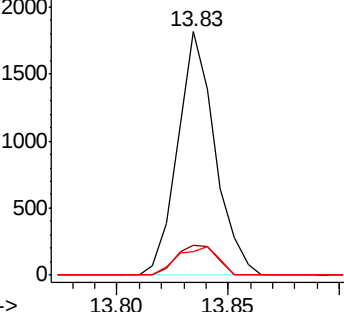
129 12.6 8.7 13.1

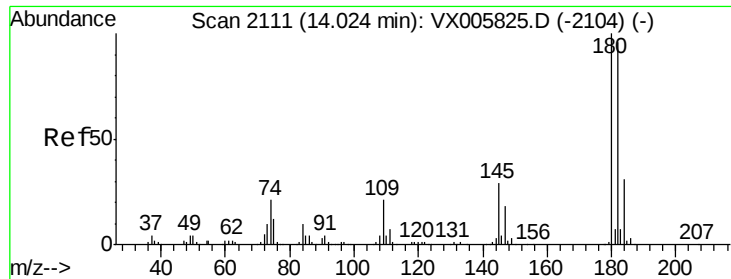


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.204 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VX005878.D
 Acq: 09 Nov 2018 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 WALL-A

Tot Ion:	180	Resp:	302
Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.2
145	33.4	15.1	45.3

