

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110518\
 Data File : VX005776.D
 Acq On : 05 Nov 2018 14:17
 Operator : JC/MD
 Sample : J5665-03ME 10X
 Misc : 3.06g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 06 00:44:21 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	5.66	168	142121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	240329	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	221638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	96054	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	107349	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
35) Dibromofluoromethane	5.50	113	83729	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
50) Toluene-d8	8.71	98	284013	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
62) 4-Bromofluorobenzene	11.14	95	94673	43.95	ug/l	0.00
Spiked Amount			Recovery	=	87.90%	

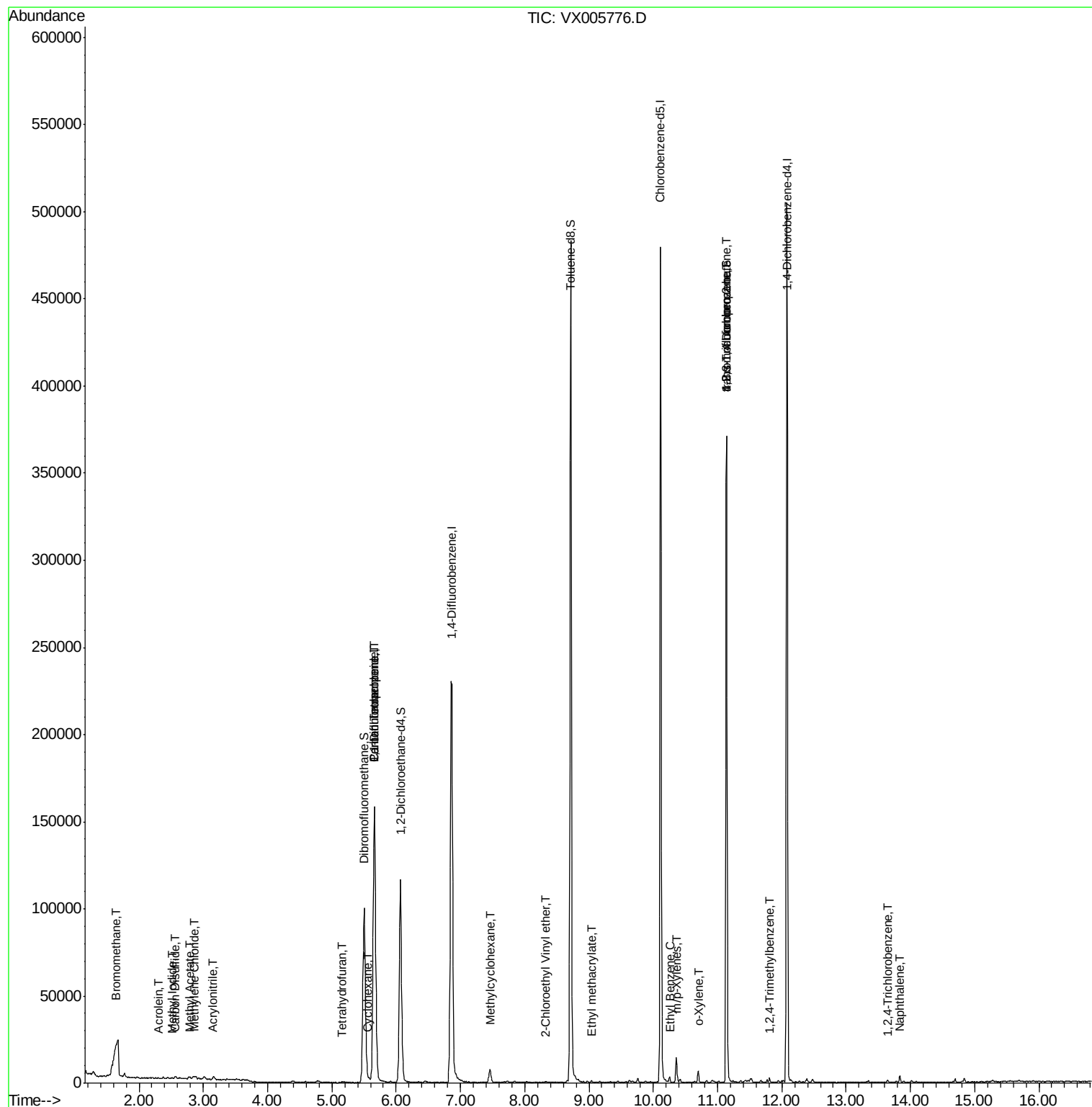
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1647	0.659	ug/l	84
6) Chloroethane	1.75	64	71	Below Cal	#	42
10) Methyl Iodide	2.51	142	451	2.224	ug/l #	89
13) Acrolein	2.30	56	186	12.621	ug/l #	33
15) Acrylonitrile	3.15	53	553	0.446	ug/l #	83
16) Acetone	2.45	43	464	Below Cal	#	74
17) Carbon Disulfide	2.57	76	1388	0.295	ug/l #	82
18) Methyl Acetate	2.79	43	1282	0.430	ug/l #	85
20) Methylene Chloride	2.86	84	427	0.238	ug/l #	55
29) Tetrahydrofuran	5.16	42	255	0.238	ug/l #	76
31) Cyclohexane	5.57	56	987	0.356	ug/l #	86
36) 1,1-Dichloropropene	5.65	75	12053	4.707	ug/l #	48
38) Carbon Tetrachloride	5.66	117	14474	6.257	ug/l #	16
39) Methylcyclohexane	7.46	83	2775	1.039	ug/l	94
56) Ethyl methacrylate	9.03	69	115	2.507	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	52	10.367	ug/l #	48
67) Ethyl Benzene	10.25	91	1611	0.200	ug/l	92
68) m/p-Xylenes	10.36	106	3086	1.033	ug/l	97
69) o-Xylene	10.70	106	1312	0.459	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	48980	20.474	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	48980	66.149	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	1181	0.217	ug/l	97
93) 1,2,4-Trichlorobenzene	13.64	180	416	0.204	ug/l #	83
95) Naphthalene	13.83	128	2217	0.331	ug/l #	93

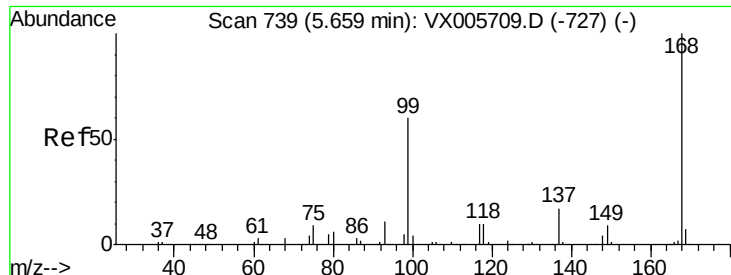
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 06 00:44:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
Response via : Initial Calibration

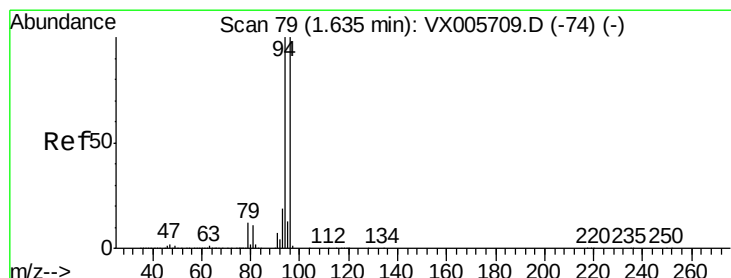
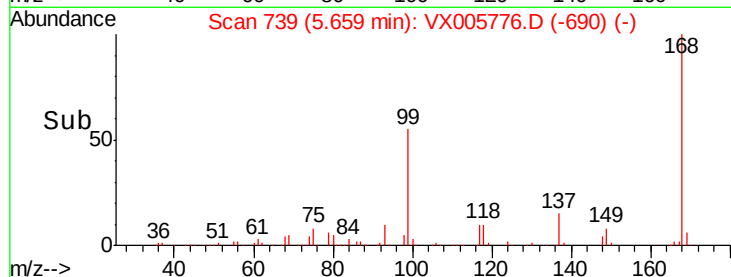
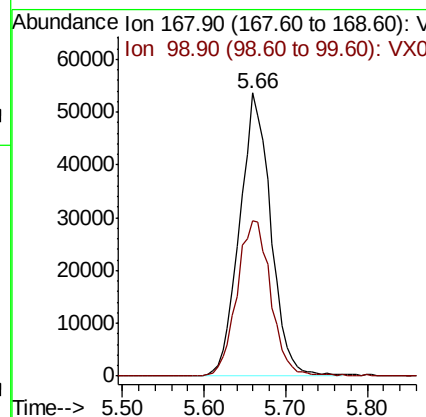
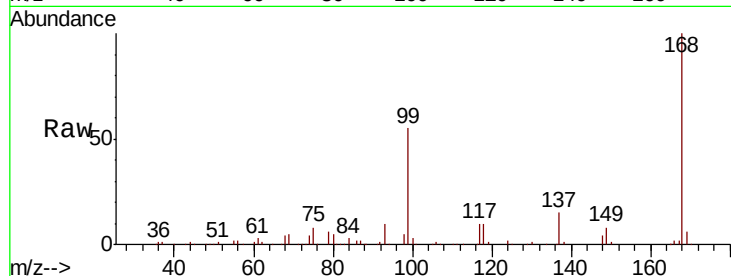




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.00 min
Lab File: VX005776.D
Acq: 05 Nov 2018 14:17

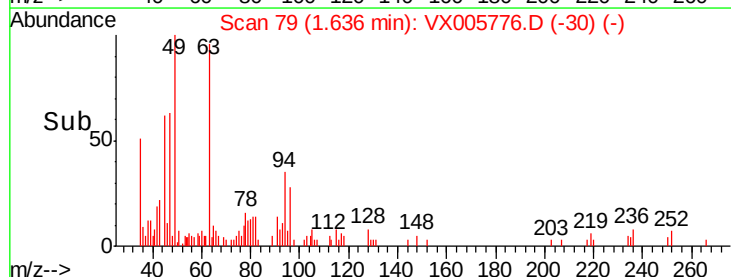
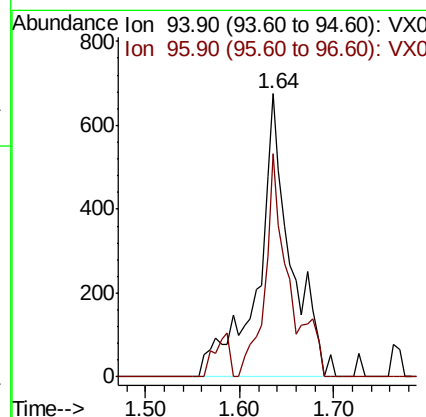
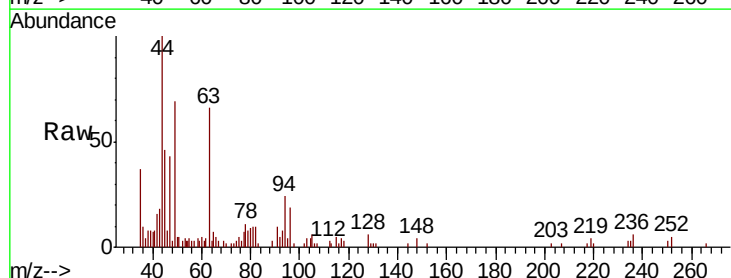
Instrument :
MSVOA_X
ClientSampleId :

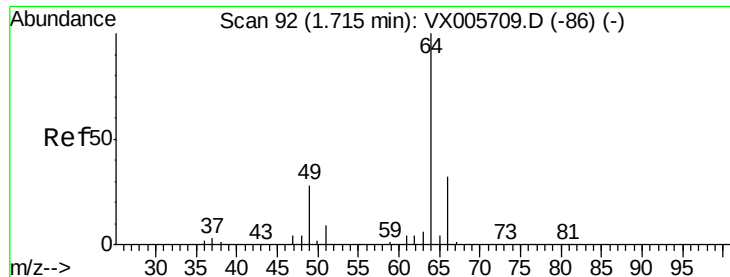
Tot Ion:168 Resp: 142121
Ion Ratio Lower Upper
168 100
99 54.7 40.7 61.1



#5
Bromomethane
Concen: 0.659 ug/l
RT: 1.64 min Scan# 79
Delta R.T. 0.00 min
Lab File: VX005776.D
Acq: 05 Nov 2018 14:17

Tgt Ion: 94 Resp: 1647
Ion Ratio Lower Upper
94 100
96 78.8 75.2 112.8





#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 97

Delta R.T. 0.03 min

Lab File: VX005776.D

Acq: 05 Nov 2018 14:17

Instrument :

MSVOA_X

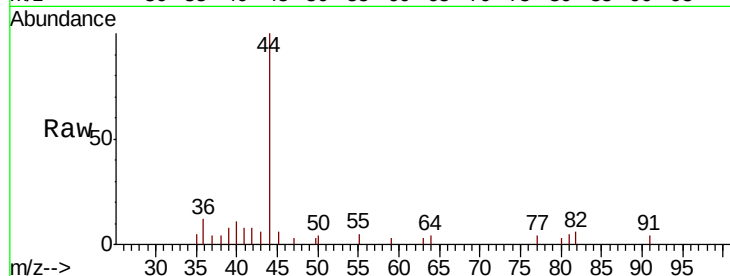
ClientSampled :

Tot Ion: 64 Resp: 71

Ion Ratio Lower Upper

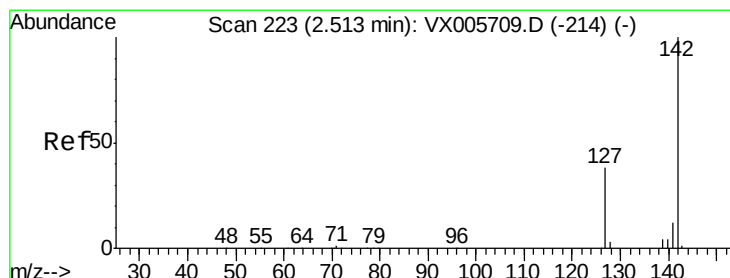
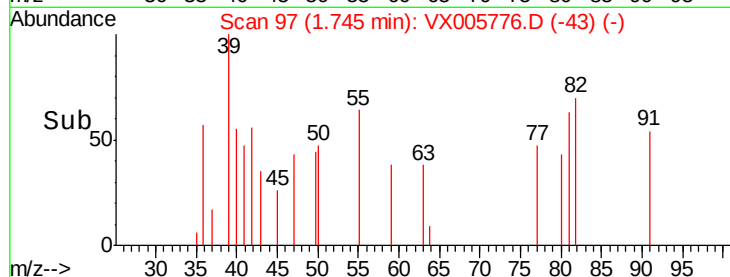
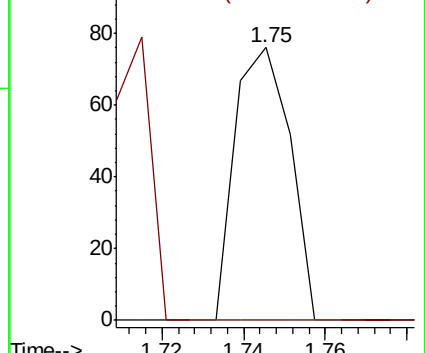
64 100

66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.224 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.01 min

Lab File: VX005776.D

Acq: 05 Nov 2018 14:17

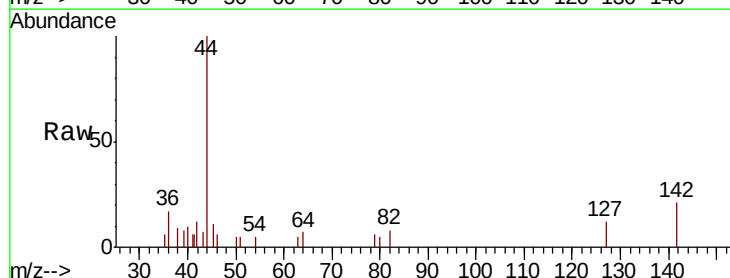
Tgt Ion: 142 Resp: 451

Ion Ratio Lower Upper

142 100

127 42.6 36.0 54.0

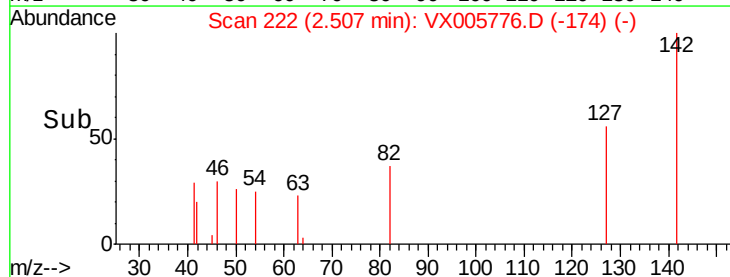
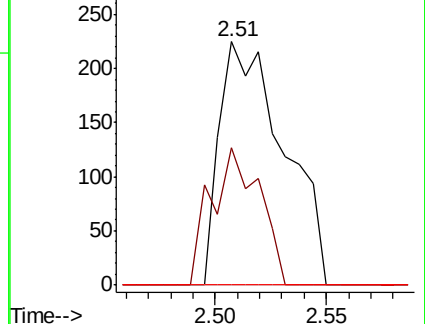
141 0.0 11.7 17.5#

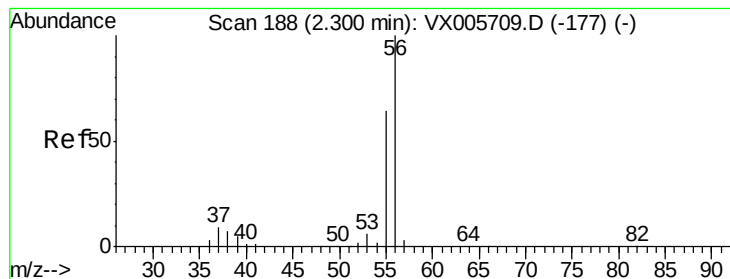


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 12.621 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX005776.D

Acq: 05 Nov 2018 14:17

Instrument :

MSVOA_X

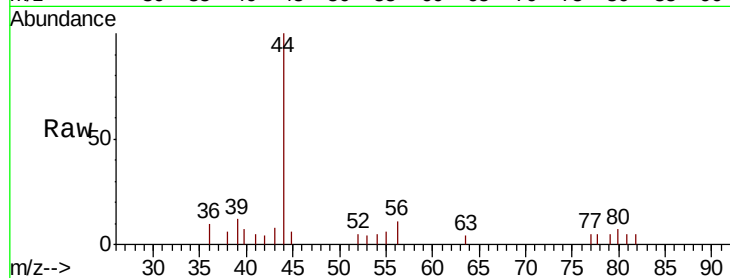
ClientSampled :

Tot Ion: 56 Resp: 186

Ion Ratio Lower Upper

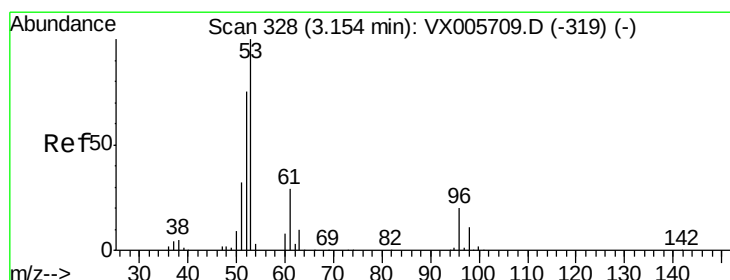
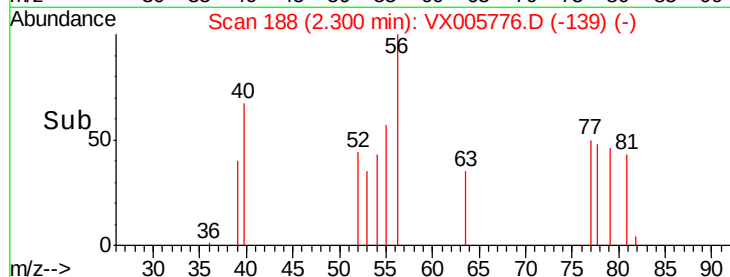
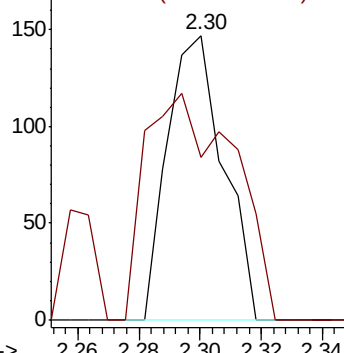
56 100

55 126.9 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.446 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005776.D

Acq: 05 Nov 2018 14:17

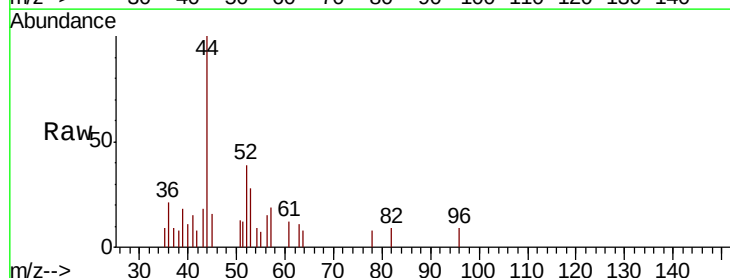
Tgt Ion: 53 Resp: 553

Ion Ratio Lower Upper

53 100

52 85.0 66.6 99.8

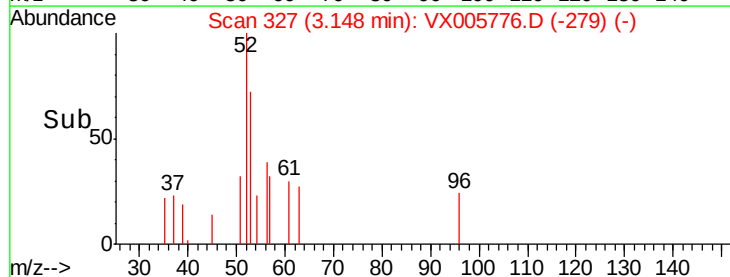
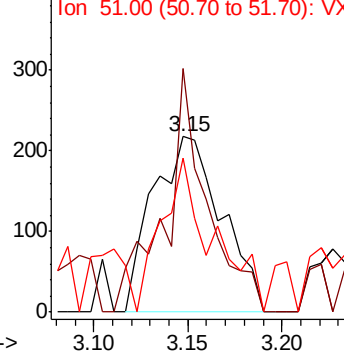
51 65.3 28.4 42.6#

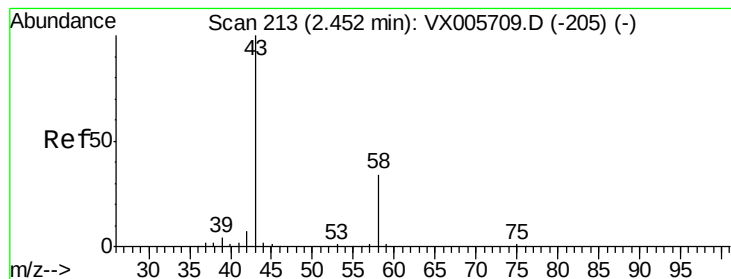


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 213

Delta R.T. 0.00 min

Lab File: VX005776.D

Acq: 05 Nov 2018 14:17

Instrument :

MSVOA_X

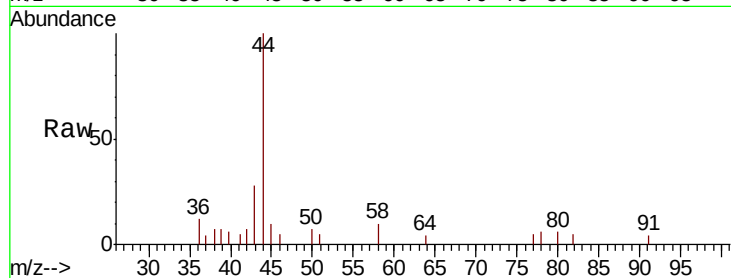
ClientSampled :

Tot Ion: 43 Resp: 464

Ion Ratio Lower Upper

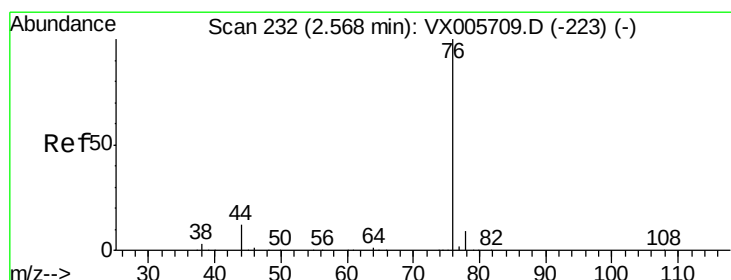
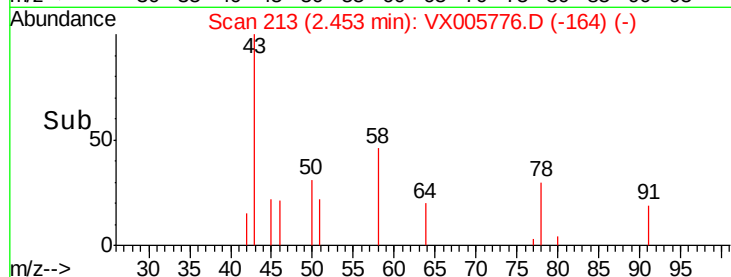
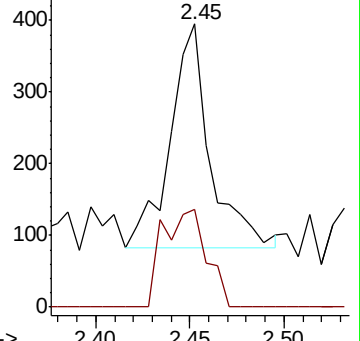
43 100

58 43.8 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.295 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005776.D

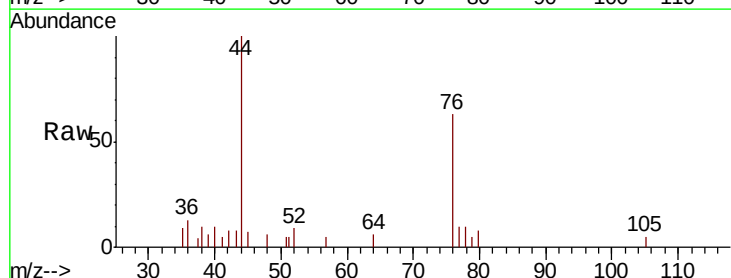
Acq: 05 Nov 2018 14:17

Tgt Ion: 76 Resp: 1388

Ion Ratio Lower Upper

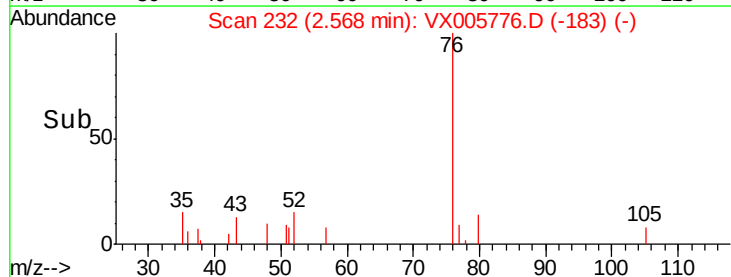
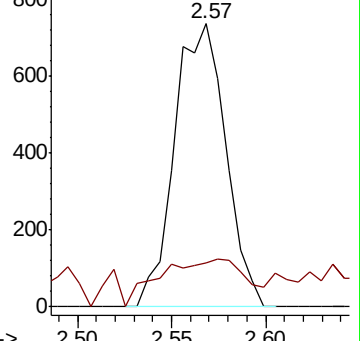
76 100

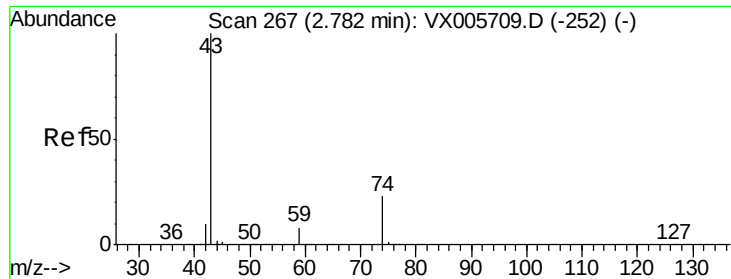
78 15.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

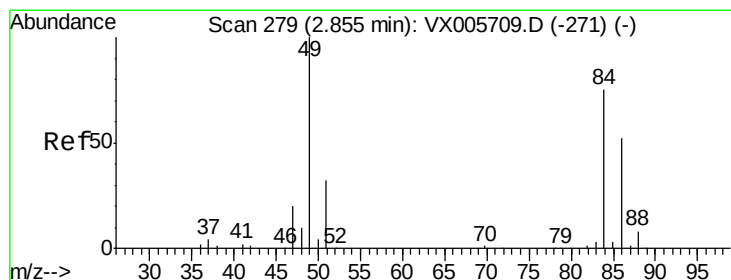
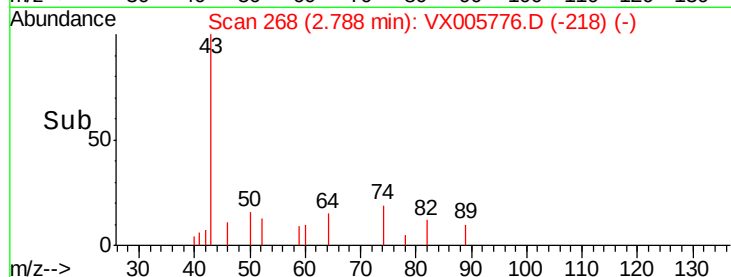
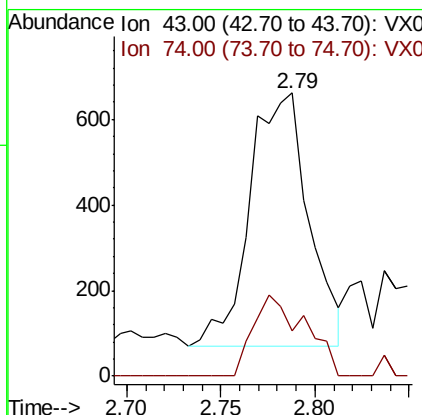
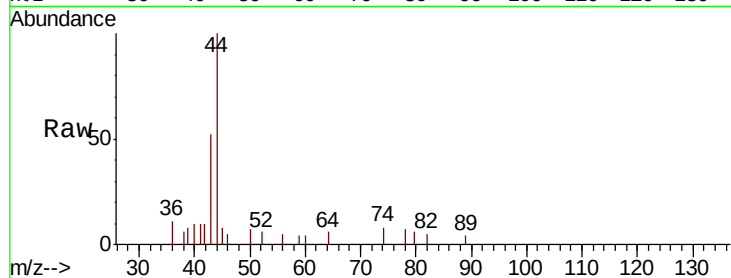




#18
Methyl Acetate
Concen: 0.430 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX005776.D
Acq: 05 Nov 2018 14:17

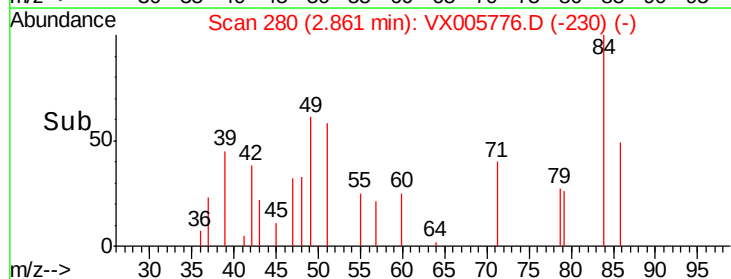
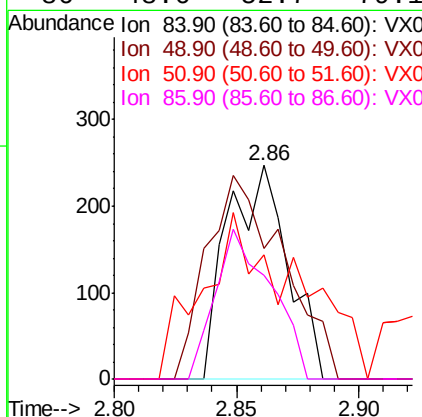
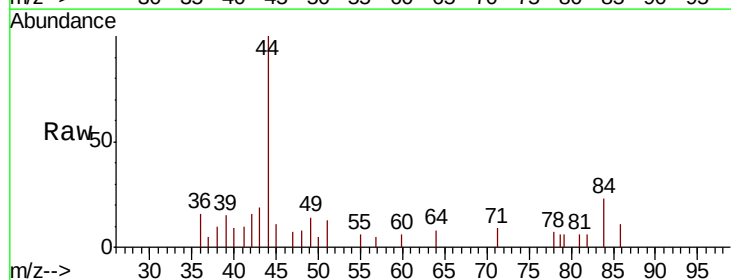
Instrument :
MSVOA_X
ClientSampleId :

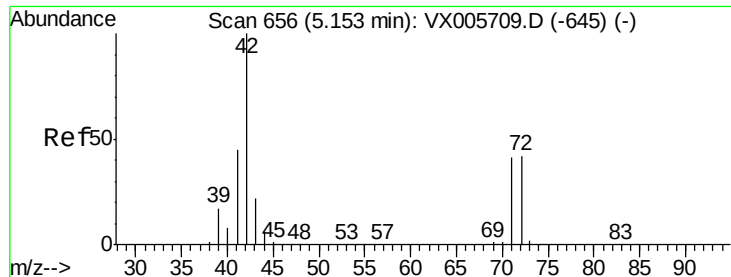
Tot Ion: 43 Resp: 1282
Ion Ratio Lower Upper
43 100
74 28.2 16.8 25.2#



#20
Methylene Chloride
Concen: 0.238 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005776.D
Acq: 05 Nov 2018 14:17

Tgt Ion: 84 Resp: 427
Ion Ratio Lower Upper
84 100
49 61.1 109.5 164.3#
51 27.9 33.3 49.9#
86 48.6 52.7 79.1#

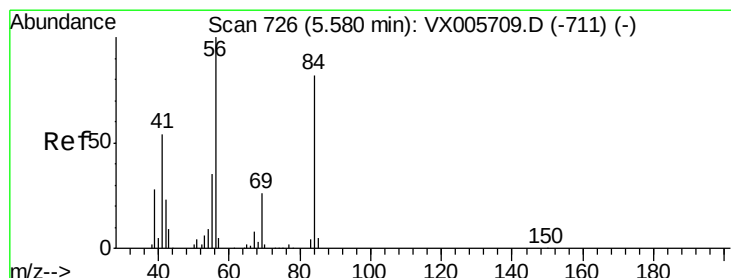
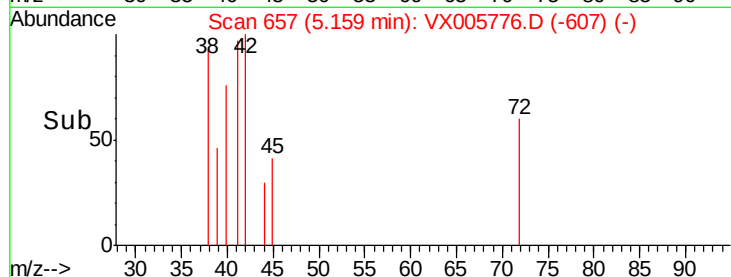
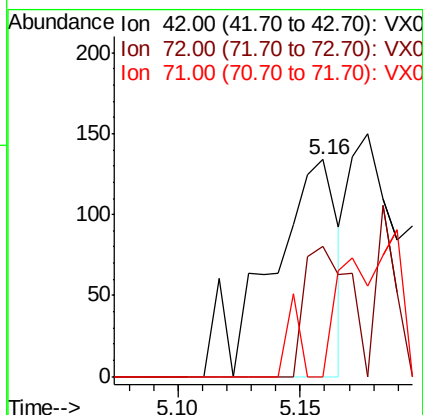
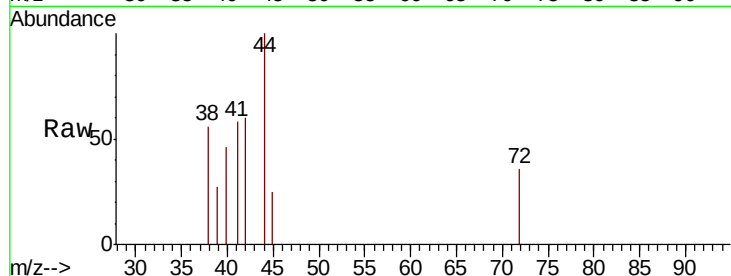




#29
Tetrahydrofuran
Concen: 0.238 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005776.D
Acq: 05 Nov 2018 14:17

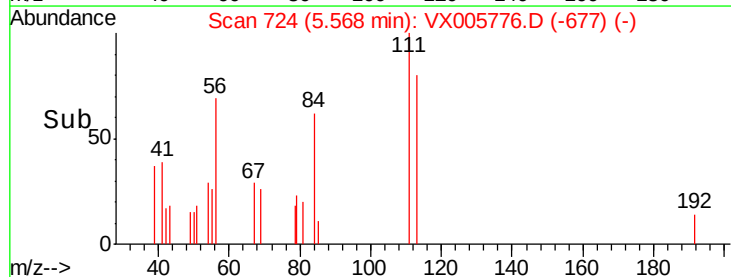
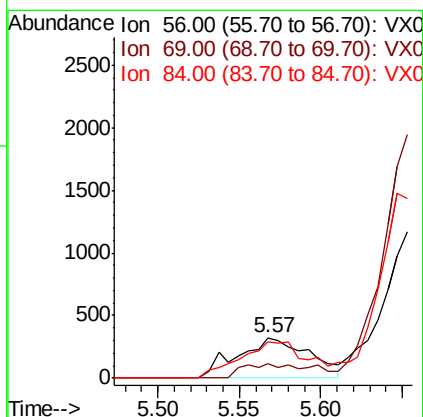
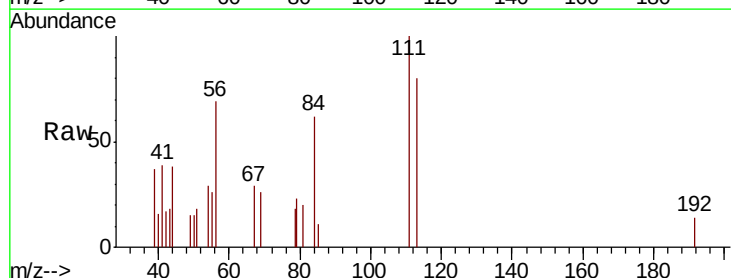
Instrument :
MSVOA_X
ClientSampled :

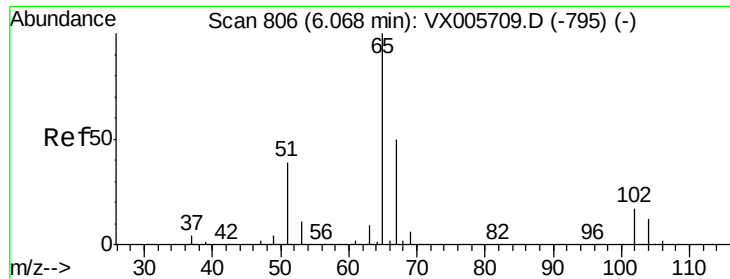
Tot Ion: 42 Resp: 255
Ion Ratio Lower Upper
42 100
72 40.4 32.0 48.0
71 7.5 29.8 44.8#



#31
Cyclohexane
Concen: 0.356 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX005776.D
Acq: 05 Nov 2018 14:17

Tgt Ion: 56 Resp: 987
Ion Ratio Lower Upper
56 100
69 37.1 22.6 34.0#
84 90.3 62.7 94.1

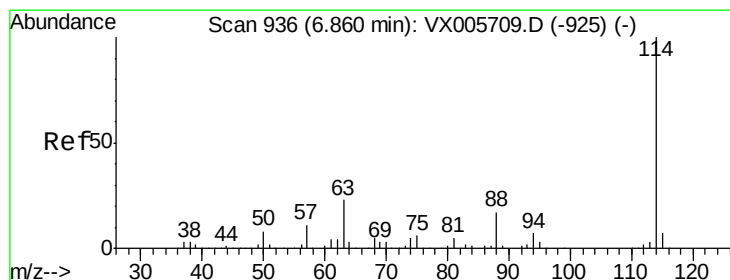
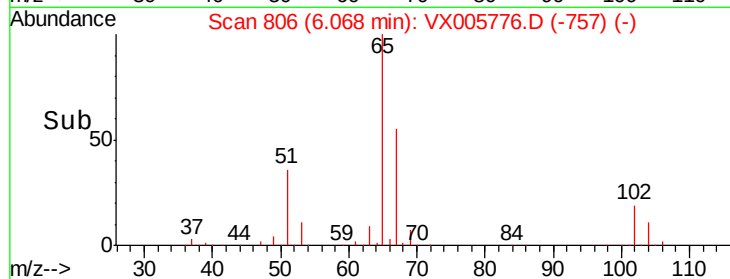
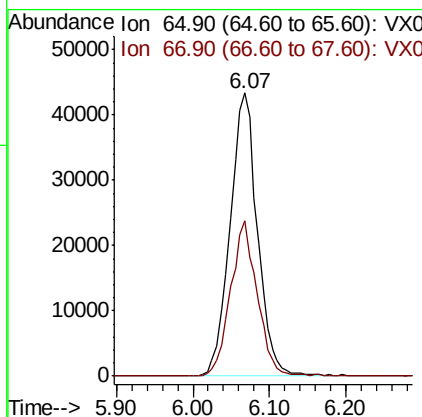
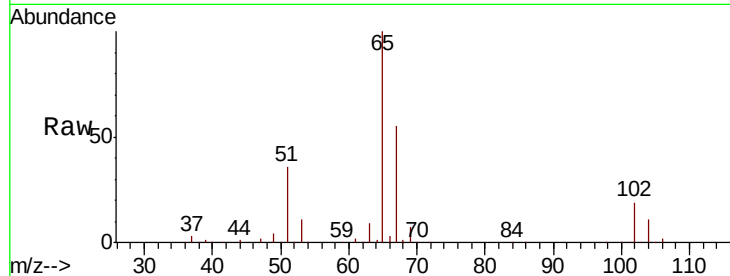




#33
 1,2-Dichloroethane-d4
 Concen: 51.664 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005776.D
 Acq: 05 Nov 2018 14:17

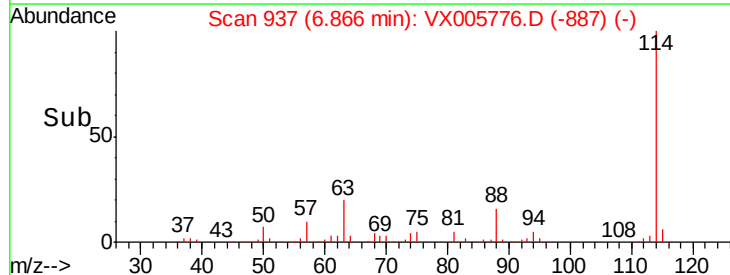
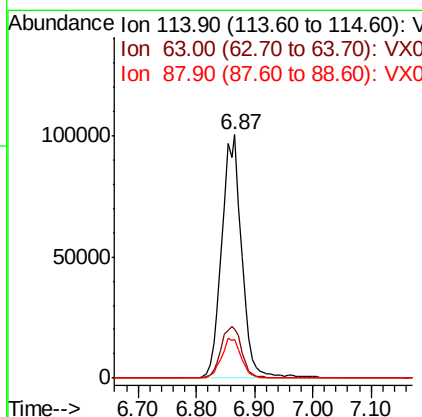
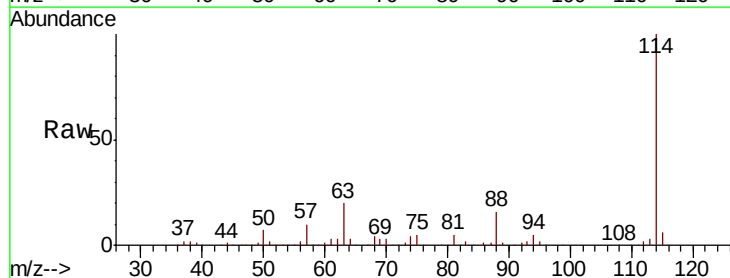
Instrument :
 MSVOA_X
 ClientSampleId :

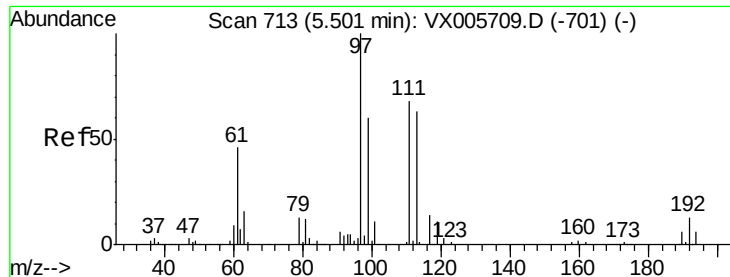
Tot Ion: 65 Resp: 107349
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005776.D
 Acq: 05 Nov 2018 14:17

Tgt Ion: 114 Resp: 240329
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.8
 88 15.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.316 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005776.D

Acq: 05 Nov 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

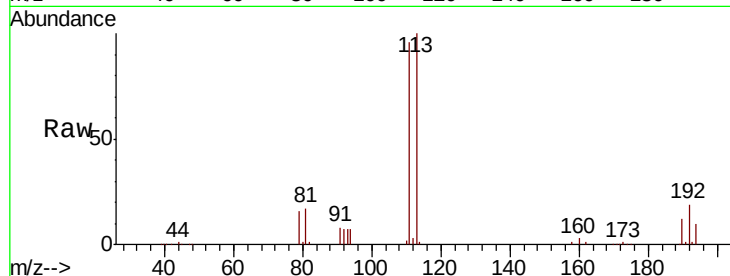
Tot Ion:113 Resp: 83729

Ion Ratio Lower Upper

113 100

111 100.9 82.3 123.5

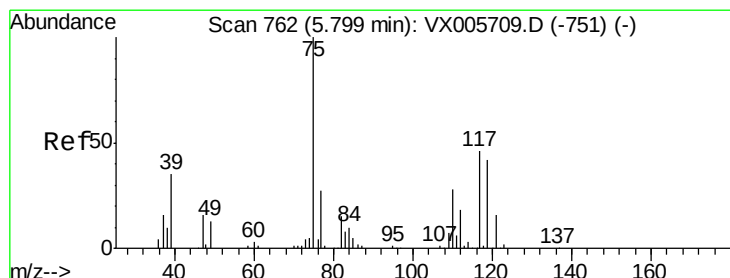
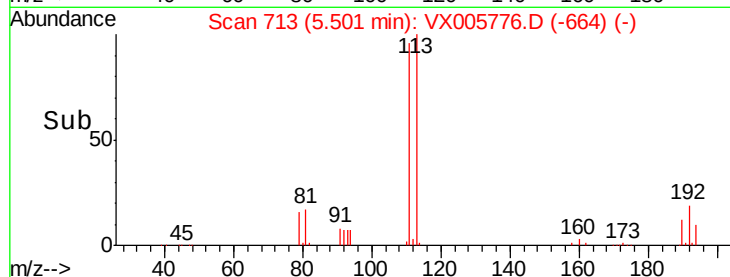
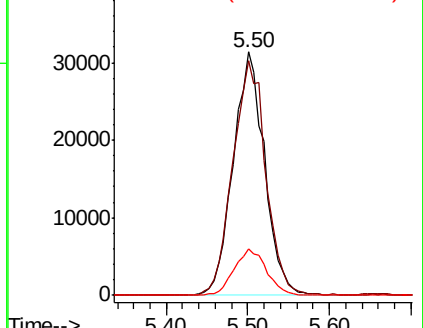
192 19.5 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.707 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX005776.D

Acq: 05 Nov 2018 14:17

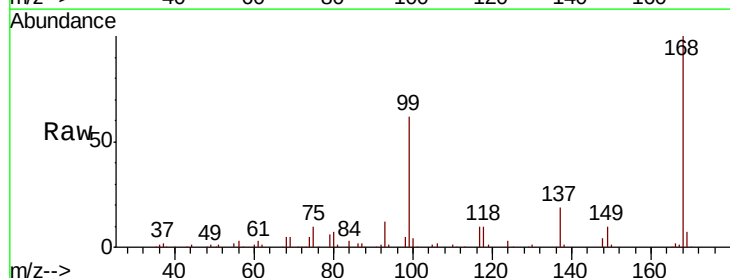
Tgt Ion: 75 Resp: 12053

Ion Ratio Lower Upper

75 100

110 7.4 17.4 52.2#

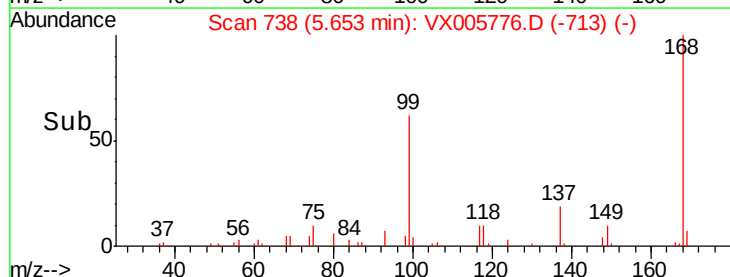
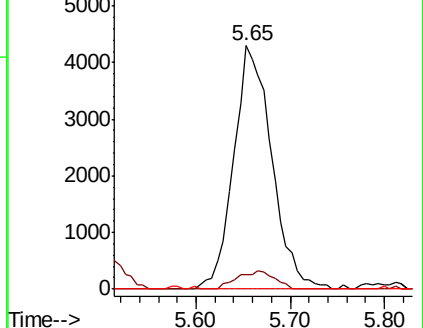
77 0.0 25.8 38.6#

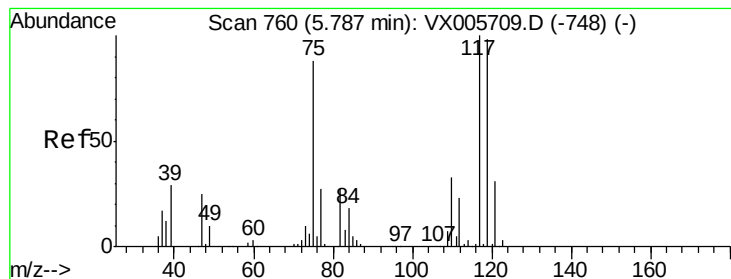


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.257 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX005776.D

Acq: 05 Nov 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

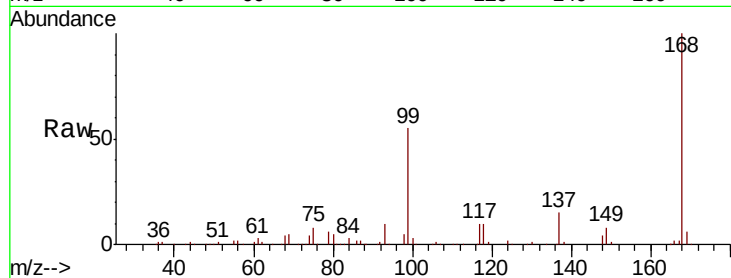
Tot Ion:117 Resp: 14474

Ion Ratio Lower Upper

117 100

119 5.8 78.1 117.1#

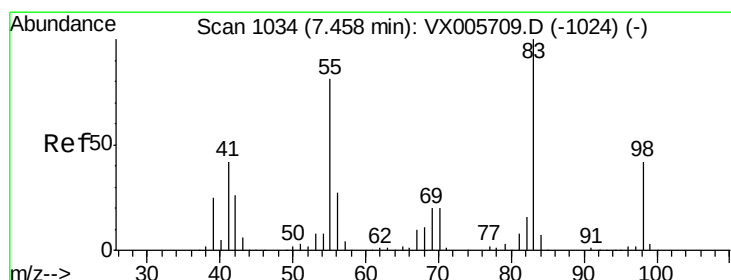
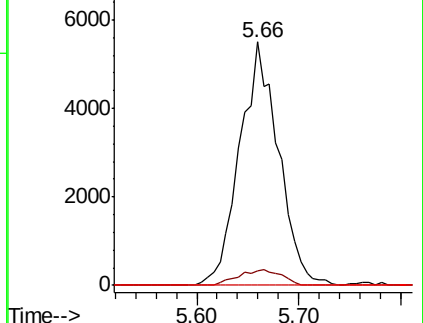
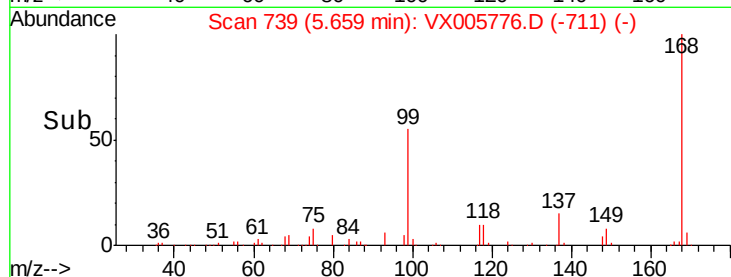
121 0.0 24.6 36.8#



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



#39

Methylcyclohexane

Concen: 1.039 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX005776.D

Acq: 05 Nov 2018 14:17

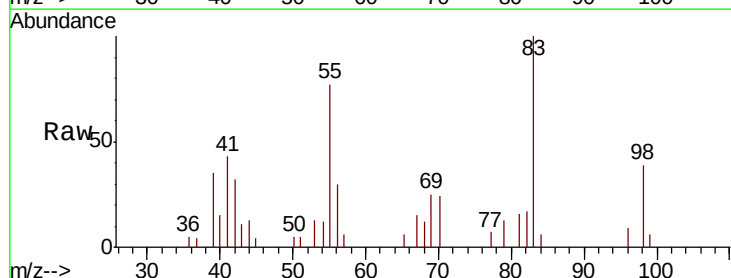
Tgt Ion: 83 Resp: 2775

Ion Ratio Lower Upper

83 100

55 76.6 63.7 95.5

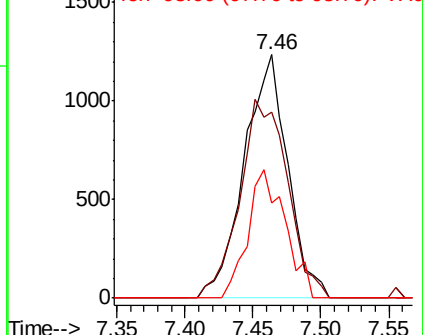
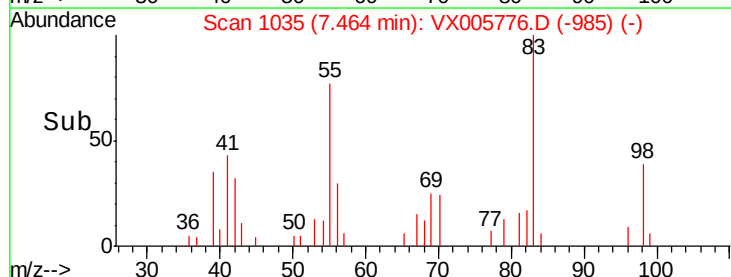
98 38.9 36.2 54.2

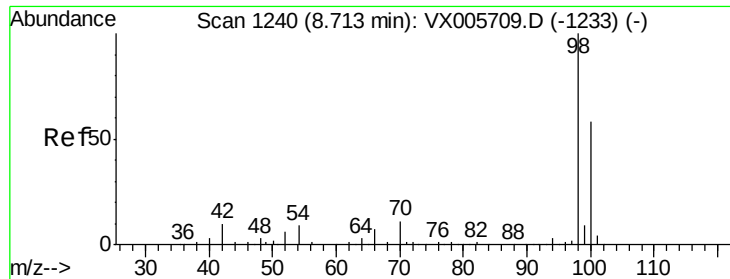


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

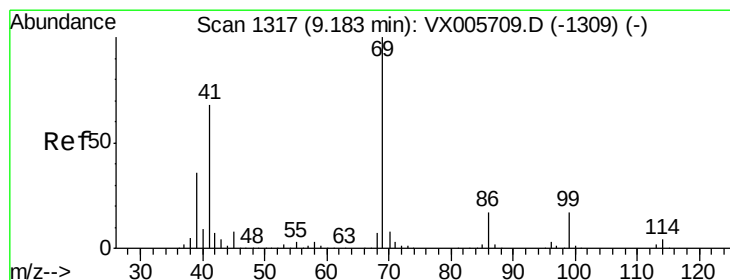
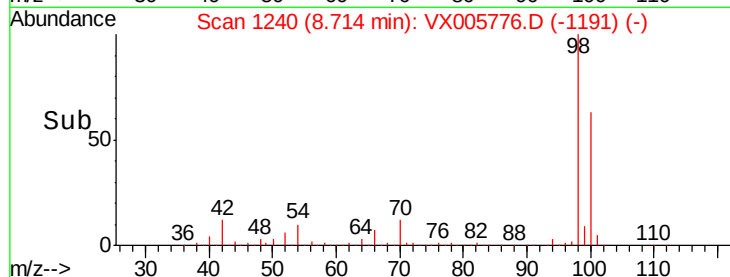
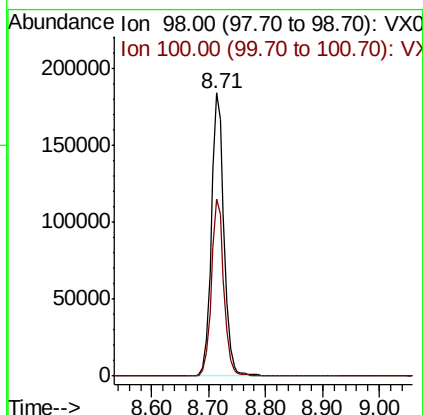
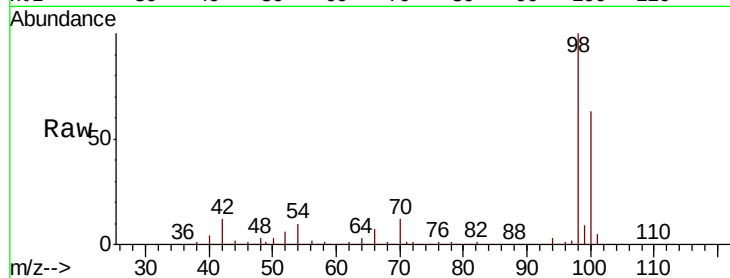




#50
Toluene-d8
Concen: 48.662 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005776.D
Acq: 05 Nov 2018 14:17

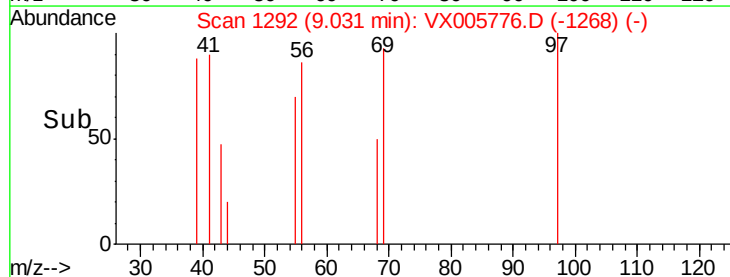
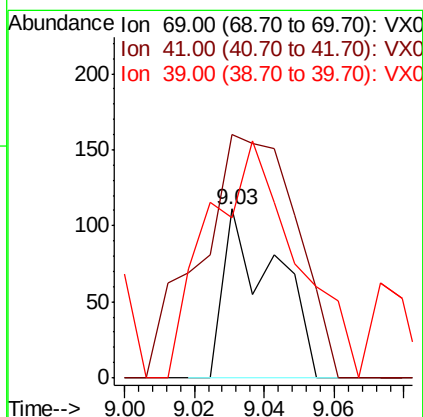
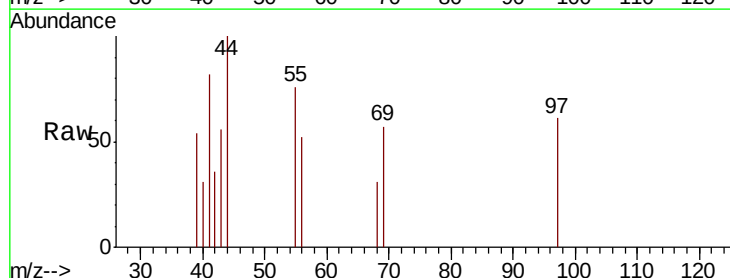
Instrument :
MSVOA_X
ClientSampled :

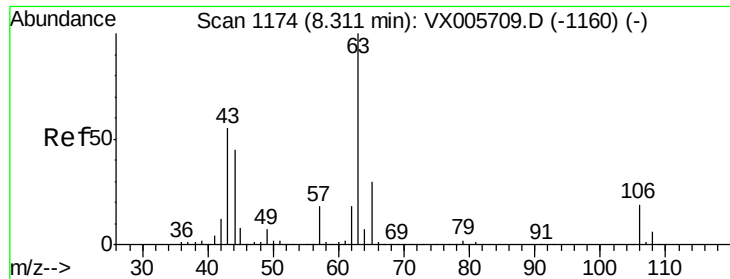
Tot Ion: 98 Resp: 284013
Ion Ratio Lower Upper
98 100
100 61.8 51.3 76.9



#56
Ethyl methacrylate
Concen: 2.507 ug/l
RT: 9.03 min Scan# 1292
Delta R.T. -0.15 min
Lab File: VX005776.D
Acq: 05 Nov 2018 14:17

Tgt Ion: 69 Resp: 115
Ion Ratio Lower Upper
69 100
41 267.8 57.0 85.6#
39 238.3 28.3 42.5#

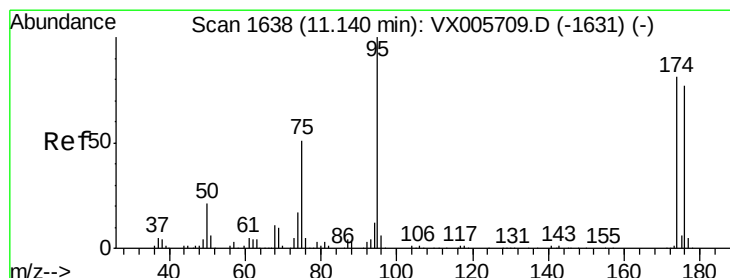
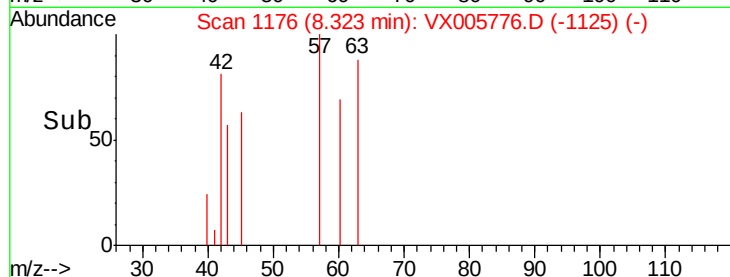
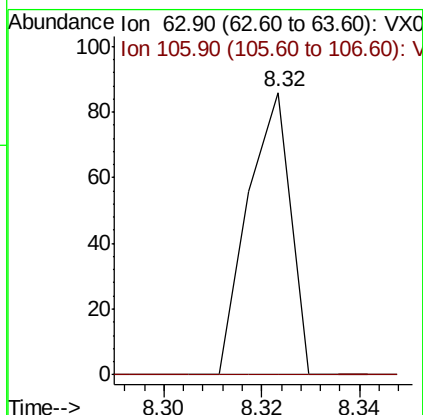
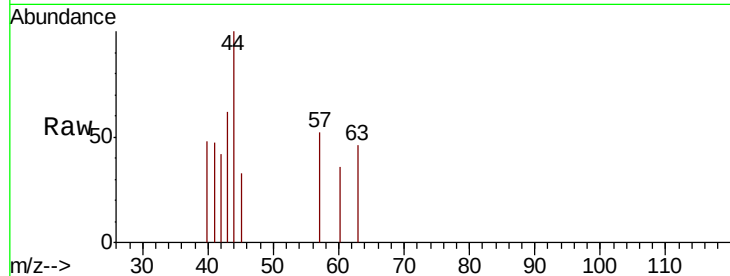




#58
2-Chloroethyl Vinyl ether
Concen: 10.367 ug/l
RT: 8.32 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VX005776.D
Acq: 05 Nov 2018 14:17

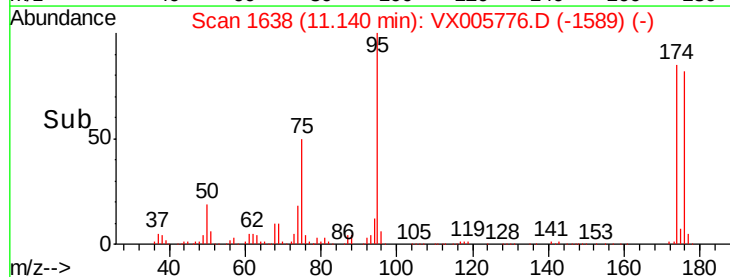
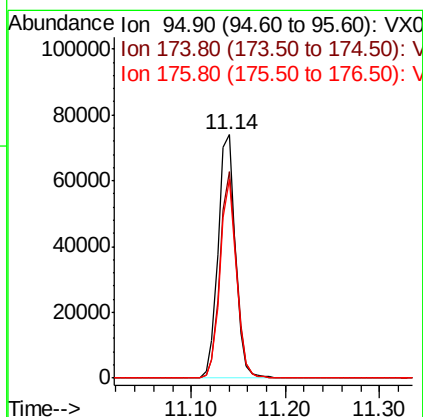
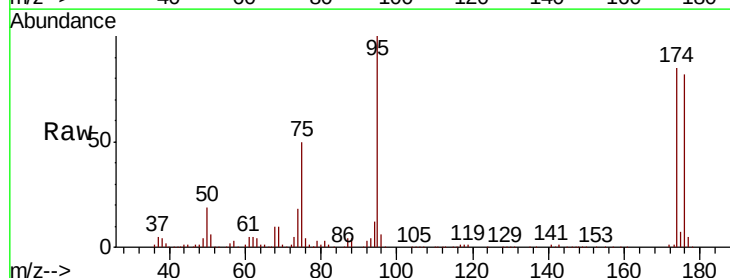
Instrument :
MSVOA_X
ClientSampleId :

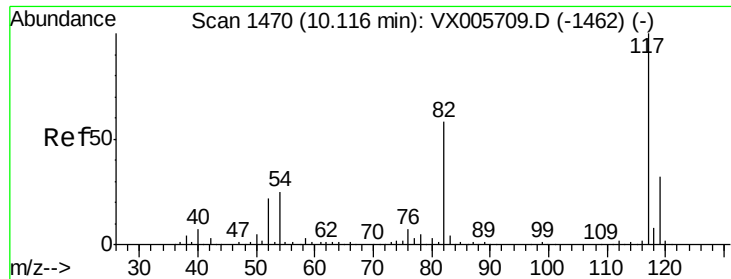
Tot Ion: 63 Resp: 52
Ion Ratio Lower Upper
63 100
106 0.0 21.3 31.9#



#62
4-Bromofluorobenzene
Concen: 43.951 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005776.D
Acq: 05 Nov 2018 14:17

Tgt Ion: 95 Resp: 94673
Ion Ratio Lower Upper
95 100
174 81.6 0.0 184.4
176 77.3 0.0 177.4

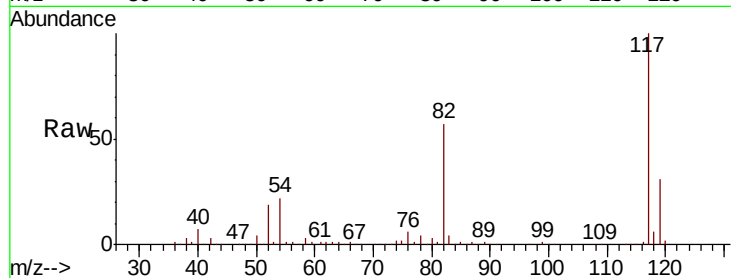




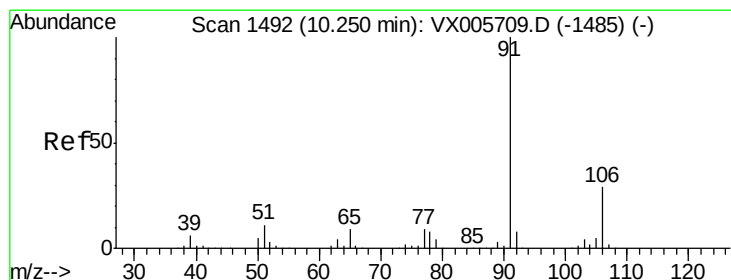
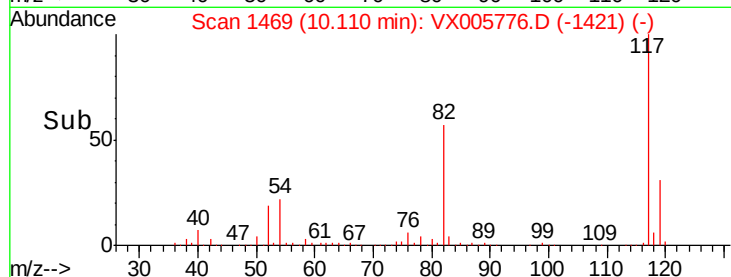
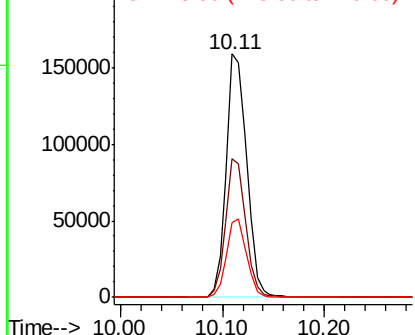
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX005776.D
Acq: 05 Nov 2018 14:17

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 221638
Ion Ratio Lower Upper
117 100
82 57.0 44.1 66.1
119 30.8 26.2 39.2

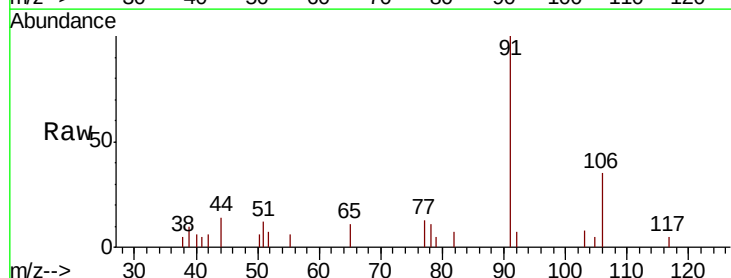


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

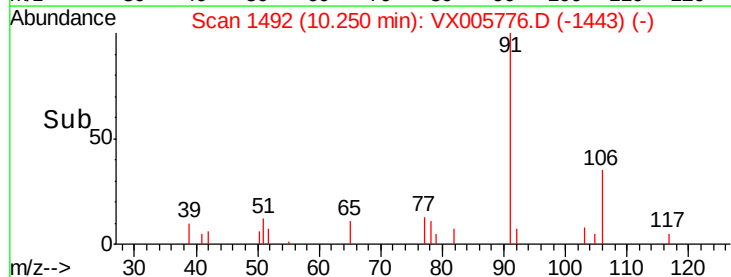
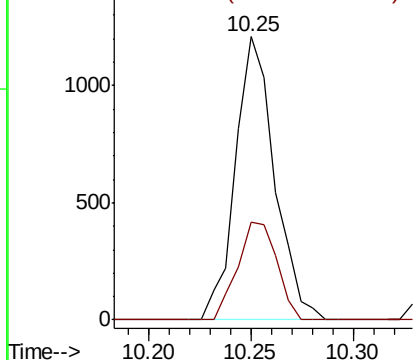


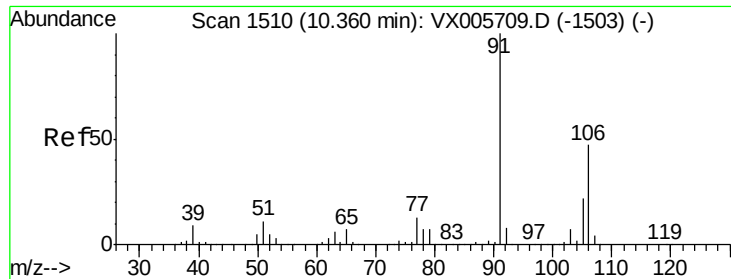
#67
Ethyl Benzene
Concen: 0.200 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX005776.D
Acq: 05 Nov 2018 14:17

Tgt Ion: 91 Resp: 1611
Ion Ratio Lower Upper
91 100
106 34.6 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: 1.033 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005776.D

Acq: 05 Nov 2018 14:17

Instrument :

MSVOA_X

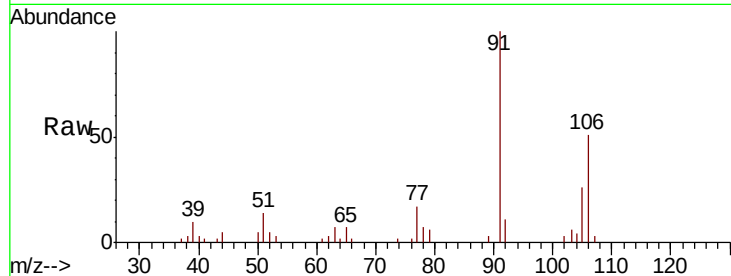
ClientSampled :

Tot Ion:106 Resp: 3086

Ion Ratio Lower Upper

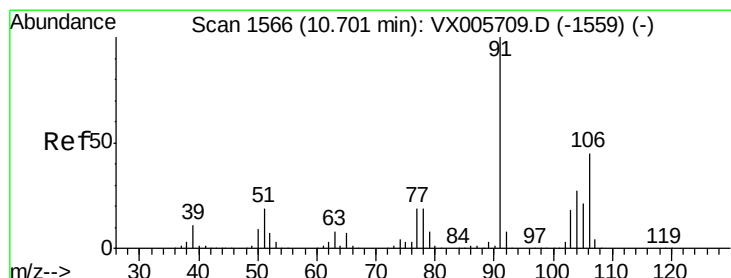
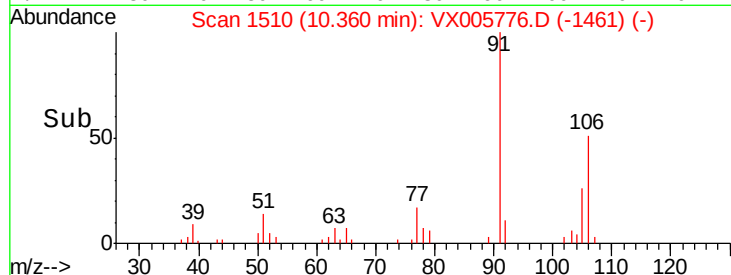
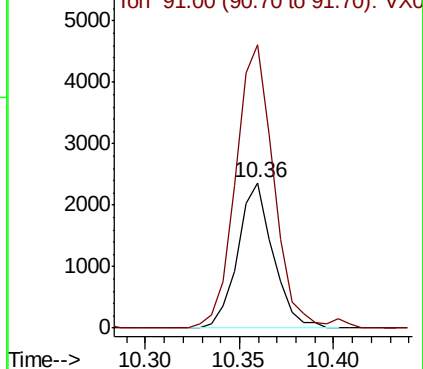
106 100

91 210.7 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.459 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX005776.D

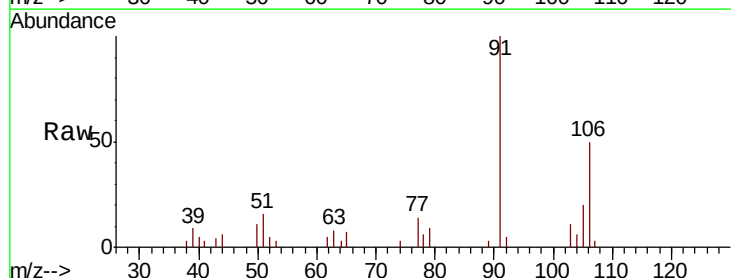
Acq: 05 Nov 2018 14:17

Tgt Ion:106 Resp: 1312

Ion Ratio Lower Upper

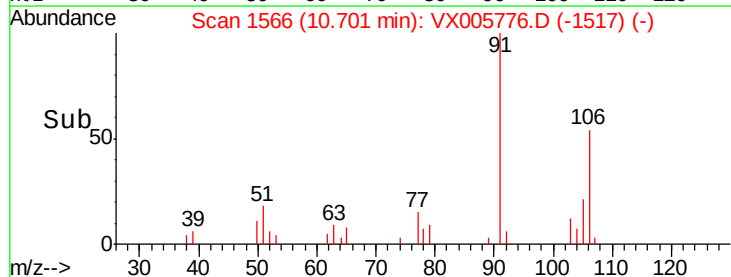
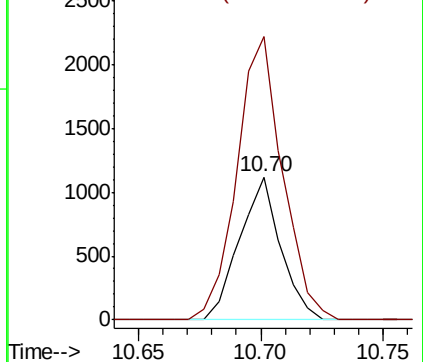
106 100

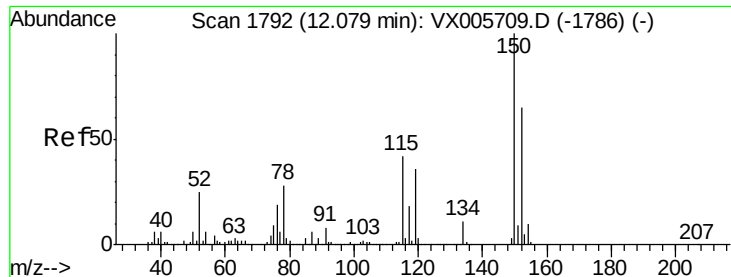
91 219.0 108.5 325.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



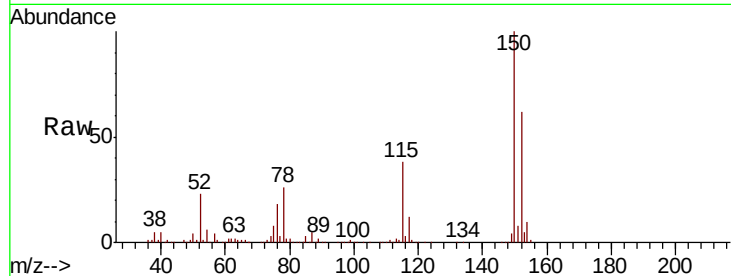


#72

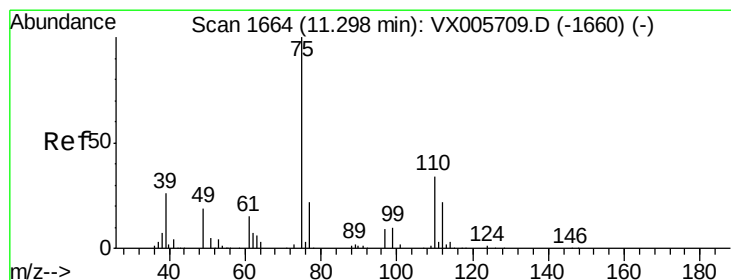
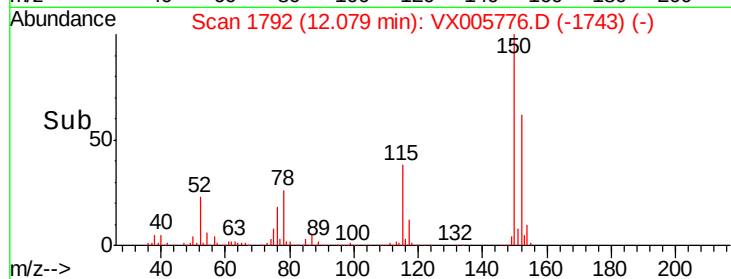
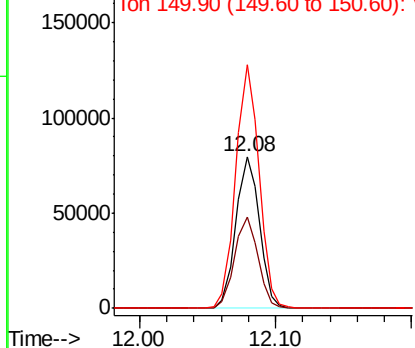
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005776.D
Acq: 05 Nov 2018 14:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 96054
Ion Ratio Lower Upper
152 100
115 60.4 39.4 118.1
150 159.3 0.0 346.4



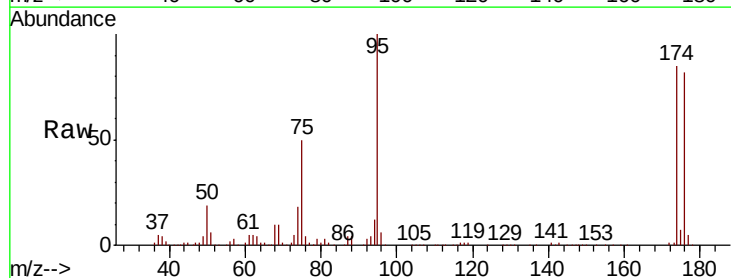
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



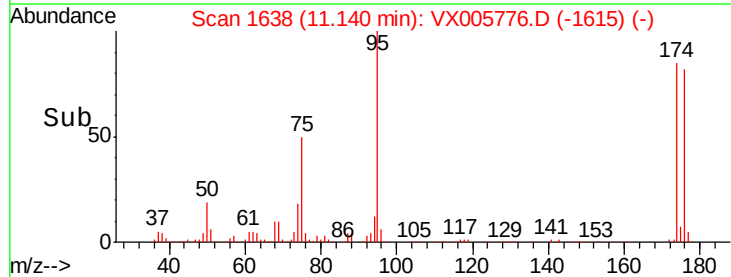
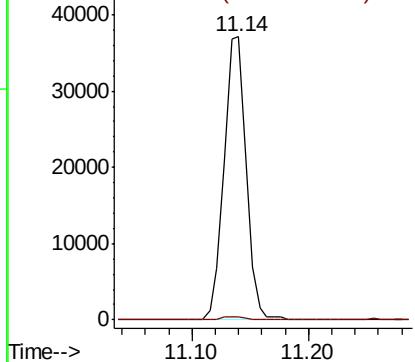
#76

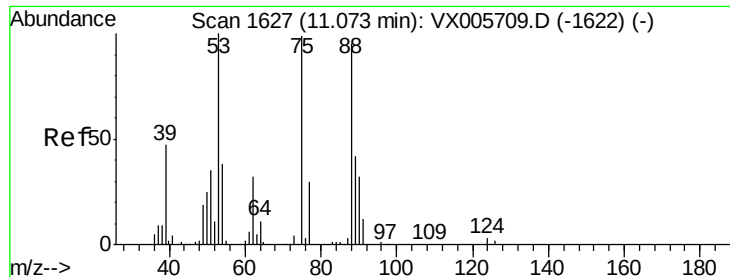
1,2,3-Trichloropropane
Concen: 20.474 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005776.D
Acq: 05 Nov 2018 14:17

Tgt Ion: 75 Resp: 48980
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: 66.149 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005776.D

Acq: 05 Nov 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

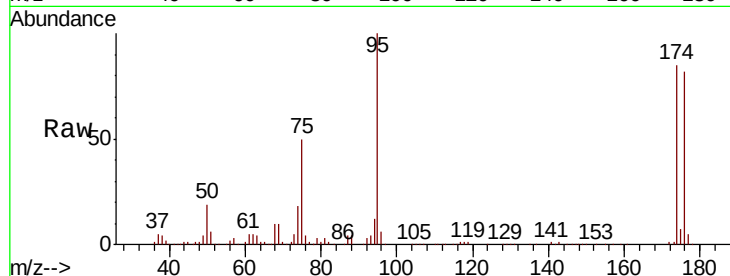
Tot Ion: 75 Resp: 48980

Ion Ratio Lower Upper

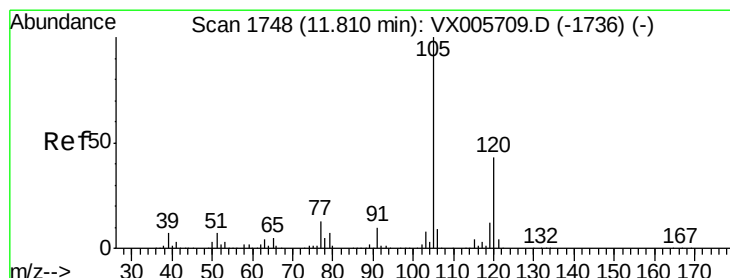
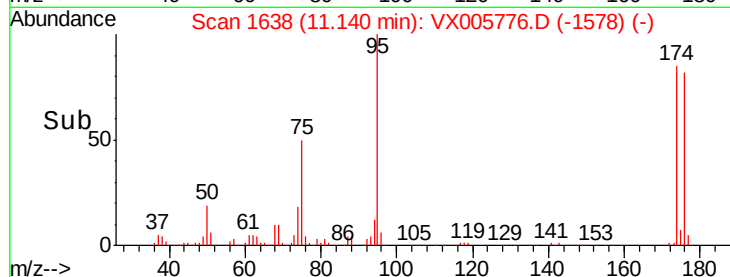
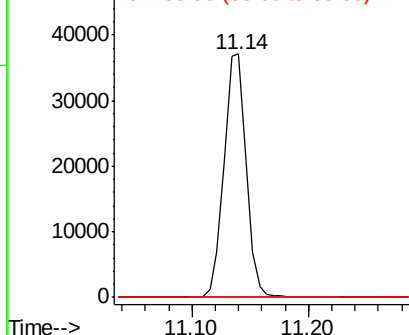
75 100

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



#84

1,2,4-Trimethylbenzene

Concen: 0.217 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX005776.D

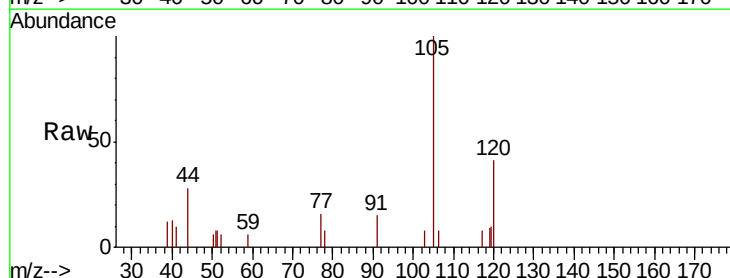
Acq: 05 Nov 2018 14:17

Tgt Ion: 105 Resp: 1181

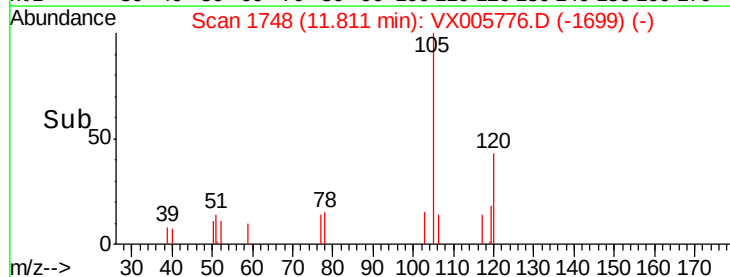
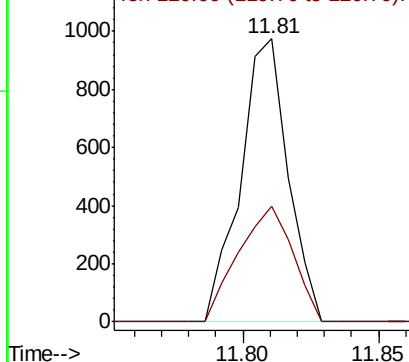
Ion Ratio Lower Upper

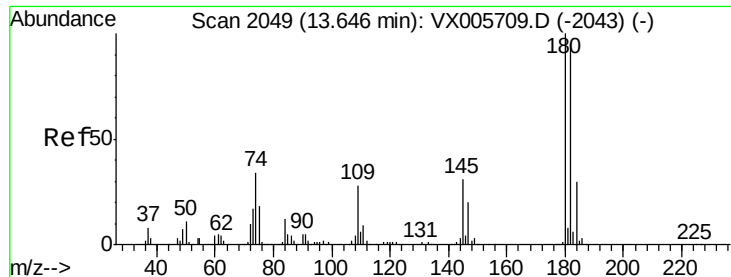
105 100

120 46.8 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

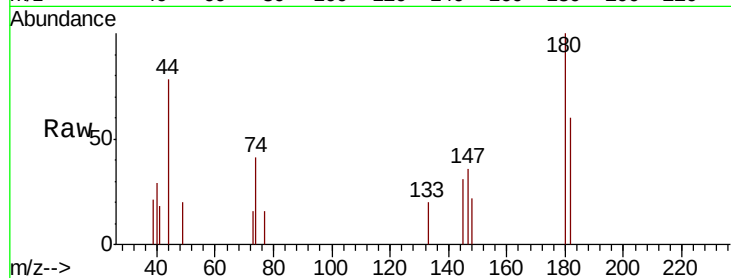




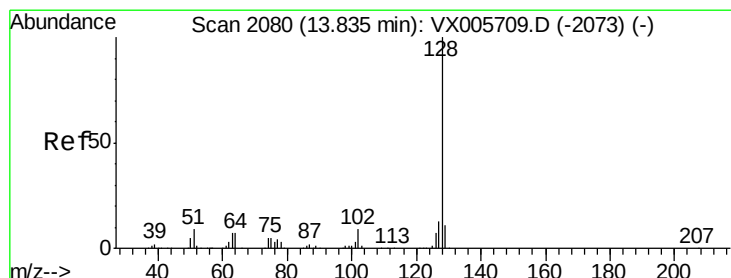
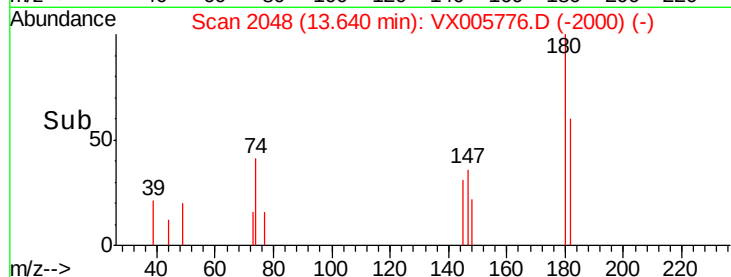
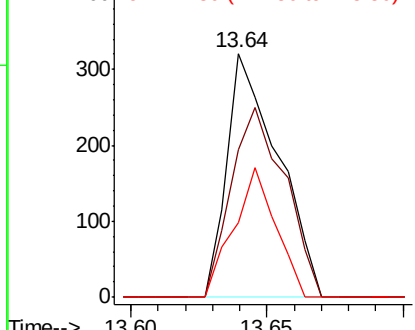
#93
 1,2,4-Trichlorobenzene
 Concen: 0.204 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX005776.D
 Acq: 05 Nov 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 416
 Ion Ratio Lower Upper
 180 100
 182 82.0 47.6 142.8
 145 43.8 14.1 42.2#

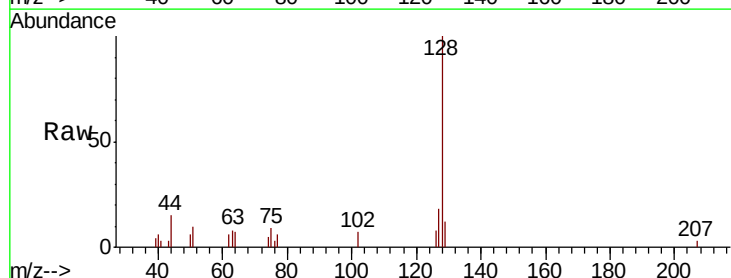


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 0.331 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX005776.D
 Acq: 05 Nov 2018 14:17

Tgt Ion:128 Resp: 2217
 Ion Ratio Lower Upper
 128 100
 127 17.6 10.4 15.6#
 129 11.2 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

