

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110118\
 Data File : VX005729.D
 Acq On : 01 Nov 2018 15:11
 Operator : JC/MD
 Sample : J5769-22
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 01 16:17:15 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	118273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	199880	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	163065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	74051	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	89841	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
35) Dibromofluoromethane	5.50	113	64667	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
50) Toluene-d8	8.71	98	229957	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	
62) 4-Bromofluorobenzene	11.14	95	75181	41.97	ug/l	0.00
Spiked Amount			Recovery	=	83.94%	

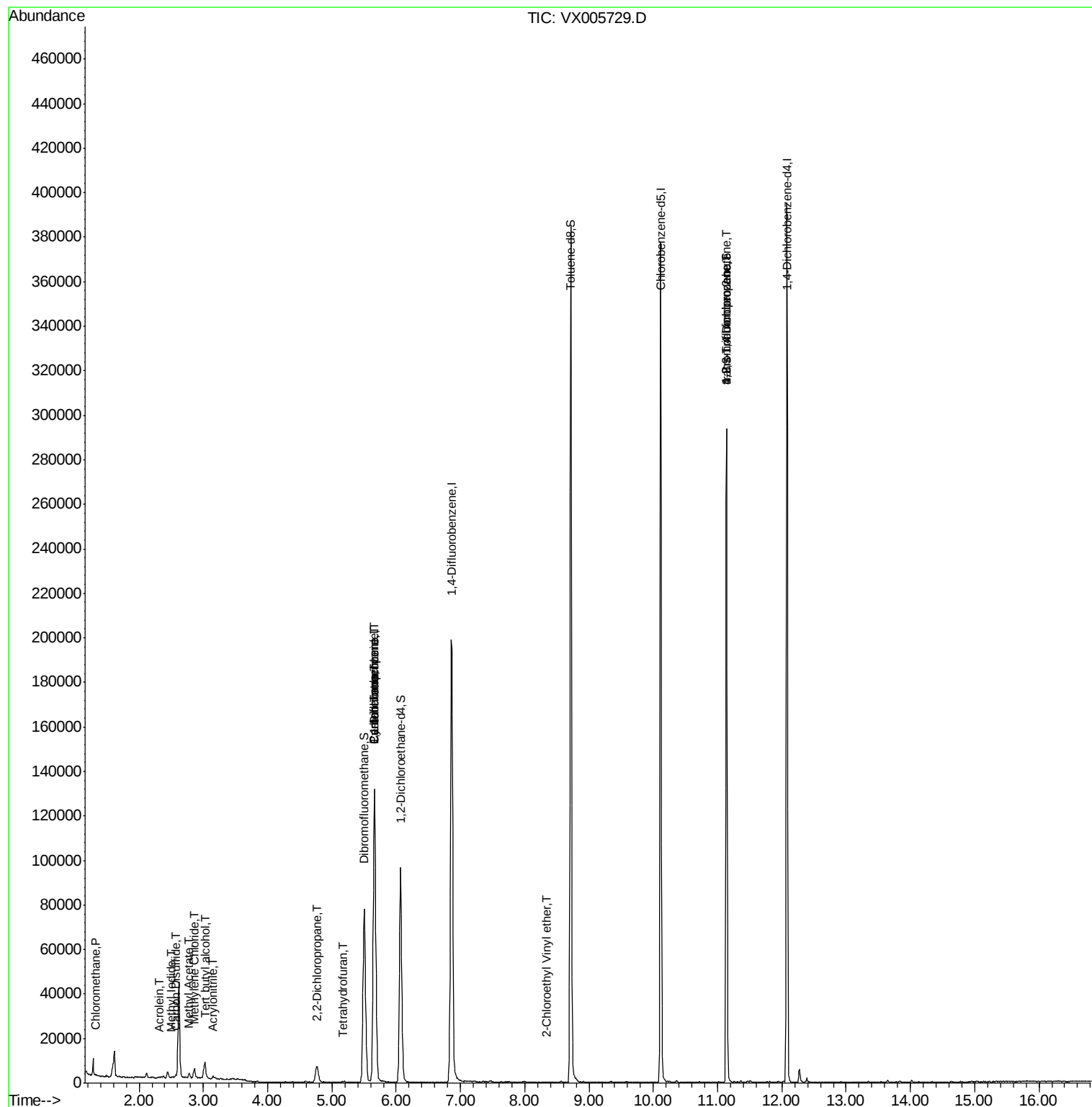
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	323	0.200	ug/l #	88
6) Chloroethane	1.73	64	20	Below Cal	#	42
10) Methyl Iodide	2.51	142	294	2.162	ug/l #	50
11) Tert butyl alcohol	3.02	59	4937	10.513	ug/l #	74
13) Acrolein	2.31	56	120	12.523	ug/l #	66
15) Acrylonitrile	3.15	53	277	0.268	ug/l #	71
16) Acetone	2.45	43	3167	Below Cal		89
17) Carbon Disulfide	2.57	76	1155	0.295	ug/l	99
18) Methyl Acetate	2.78	43	2209	0.890	ug/l #	85
20) Methylene Chloride	2.86	84	1603	1.075	ug/l	97
26) 2,2-Dichloropropane	4.76	77	671	0.325	ug/l #	53
29) Tetrahydrofuran	5.17	42	250	0.281	ug/l #	54
31) Cyclohexane	5.66	56	3115	1.348	ug/l #	12
36) 1,1-Dichloropropene	5.66	75	10627	4.990	ug/l #	49
38) Carbon Tetrachloride	5.66	117	11389	5.919	ug/l #	16
58) 2-Chloroethyl Vinyl ether	8.34	63	22	10.353	ug/l #	48
76) 1,2,3-Trichloropropane	11.14	75	38667	20.965	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	38667	67.738	ug/l #	9

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

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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: VX005729.D

Acq: 01 Nov 2018 15:11

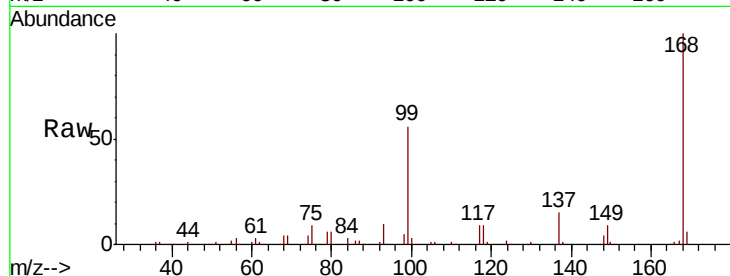
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 118273

Ion Ratio Lower Upper

168 100

99 55.7 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

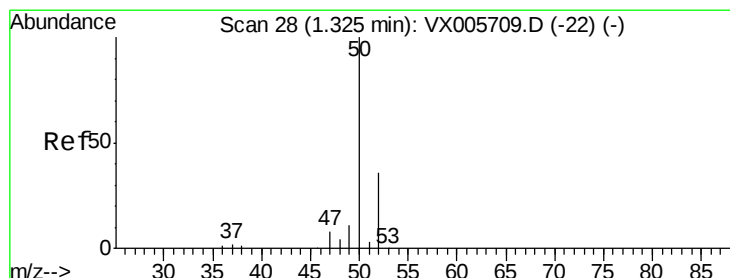
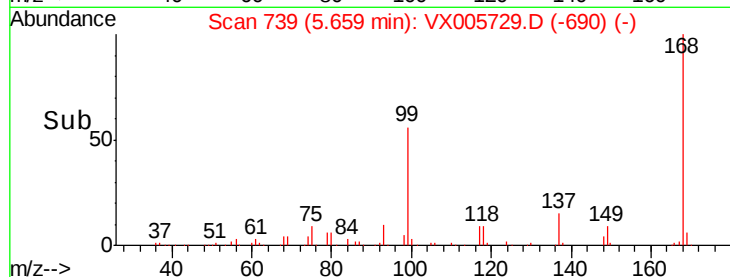
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.200 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005729.D

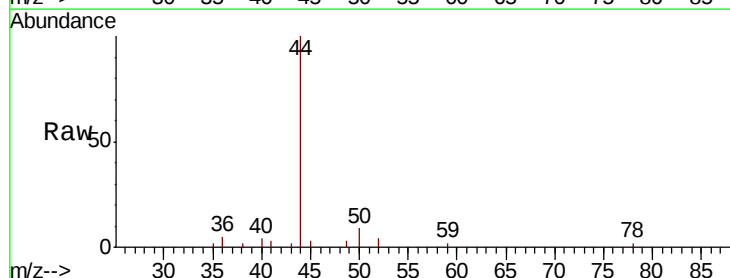
Acq: 01 Nov 2018 15:11

Tgt Ion: 50 Resp: 323

Ion Ratio Lower Upper

50 100

52 39.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

250

200

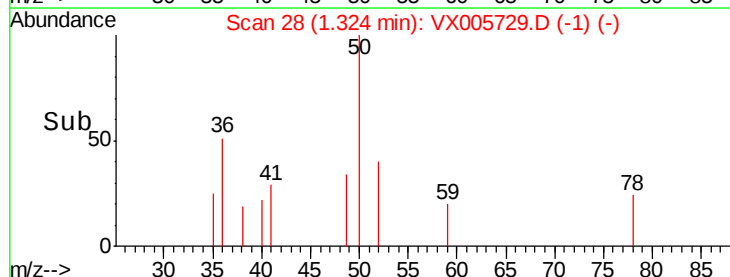
150

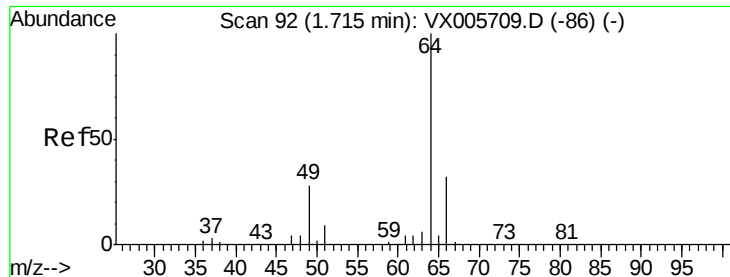
100

50

0

Time--> 1.30 1.35





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX005729.D

Acq: 01 Nov 2018 15:11

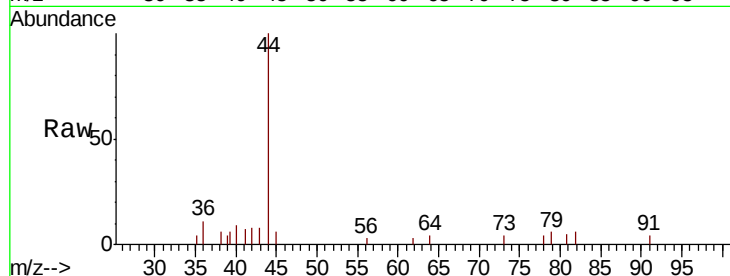
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 64 Resp: 20

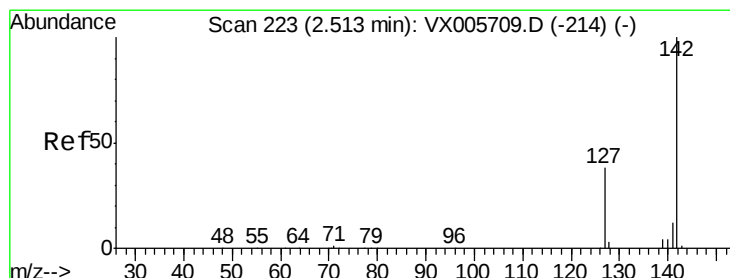
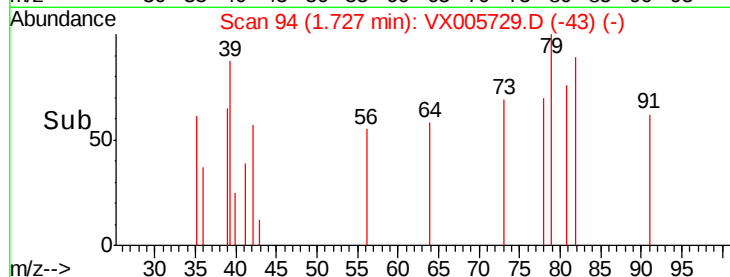
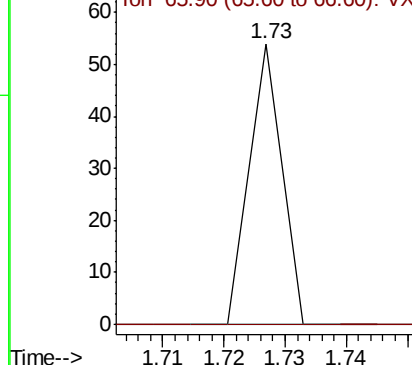
Ion Ratio Lower Upper

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: 2.162 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX005729.D

Acq: 01 Nov 2018 15:11

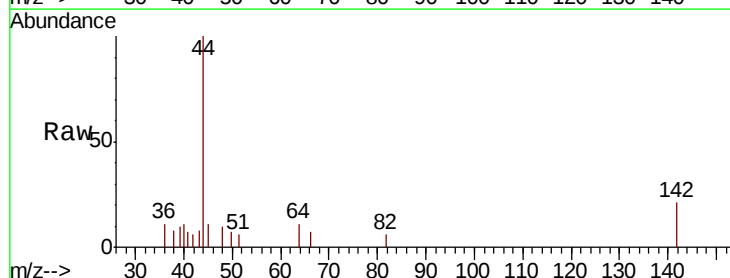
Tgt Ion:142 Resp: 294

Ion Ratio Lower Upper

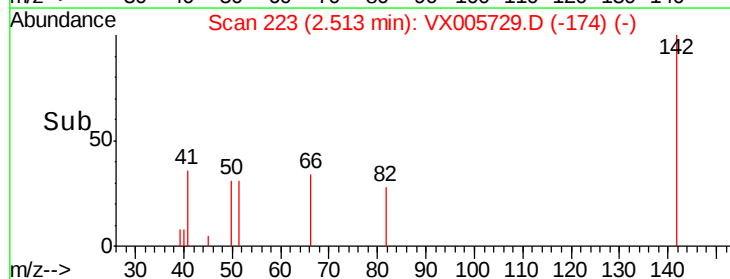
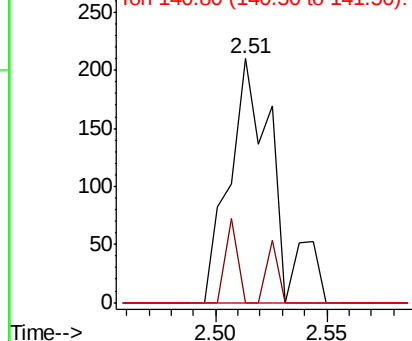
142 100

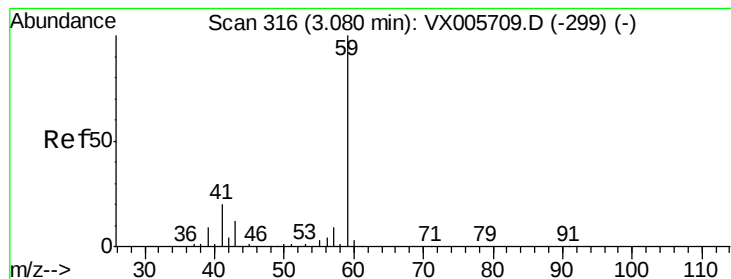
127 8.8 36.0 54.0#

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



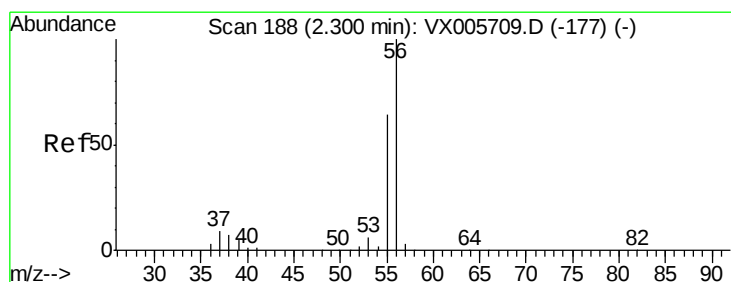
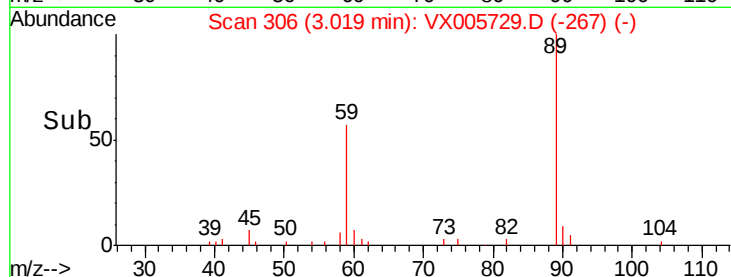
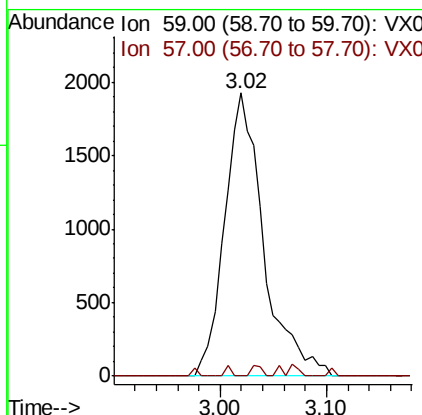
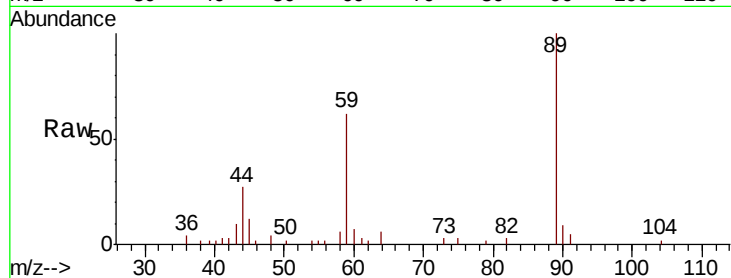


#11

Tert butyl alcohol
 Concen: 10.513 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005729.D
 Acq: 01 Nov 2018 15:11

Instrument :
 MSVOA_X
 ClientSampled :

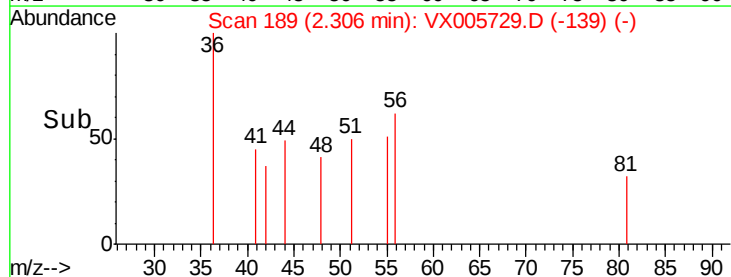
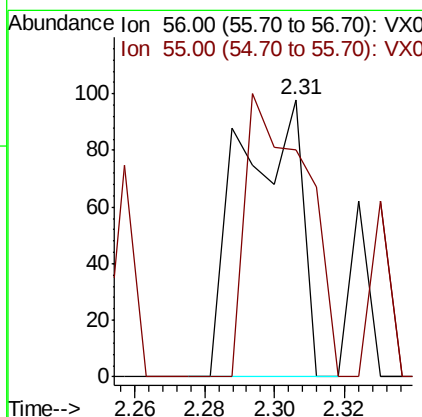
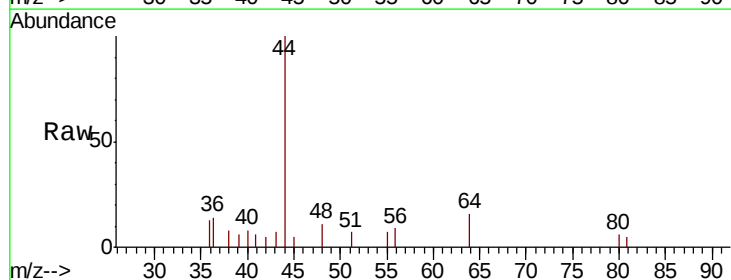
Tot Ion: 59 Resp: 4937
 Ion Ratio Lower Upper
 59 100
 57 1.0 8.5 12.7#

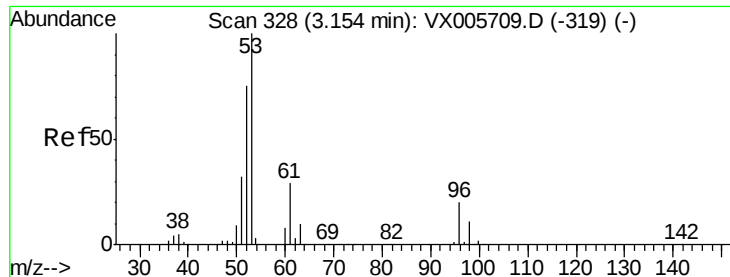


#13

Acrolein
 Concen: 12.523 ug/l
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX005729.D
 Acq: 01 Nov 2018 15:11

Tgt Ion: 56 Resp: 120
 Ion Ratio Lower Upper
 56 100
 55 100.0 57.3 85.9#





#15

Acrylonitrile

Concen: 0.268 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005729.D

Acq: 01 Nov 2018 15:11

Instrument :

MSVOA_X

ClientSampled :

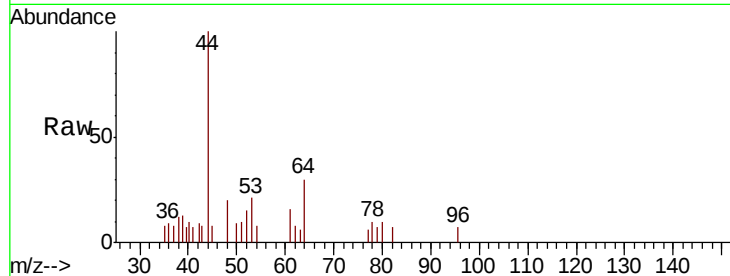
Tot Ion: 53 Resp: 277

Ion Ratio Lower Upper

53 100

52 74.4 66.6 99.8

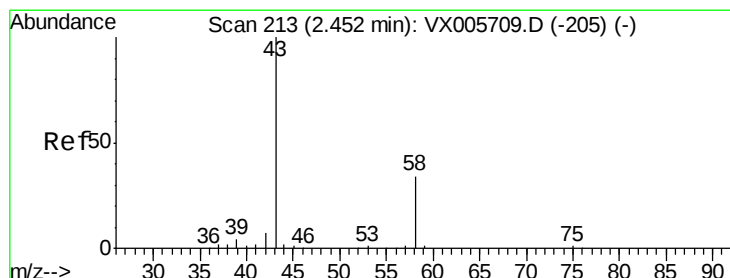
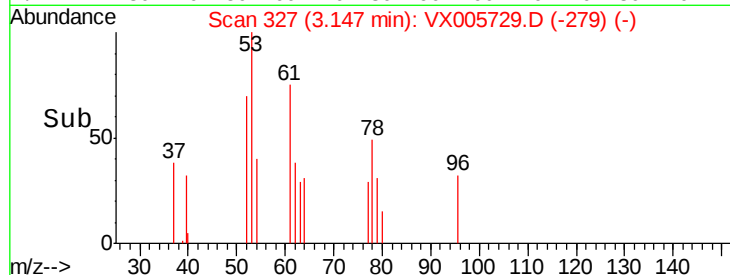
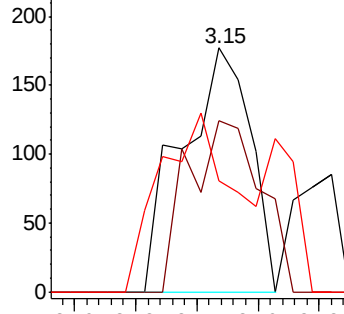
51 78.7 28.4 42.6#



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# 212

Delta R.T. -0.01 min

Lab File: VX005729.D

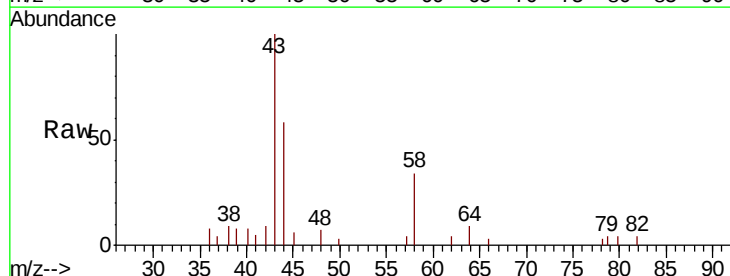
Acq: 01 Nov 2018 15:11

Tgt Ion: 43 Resp: 3167

Ion Ratio Lower Upper

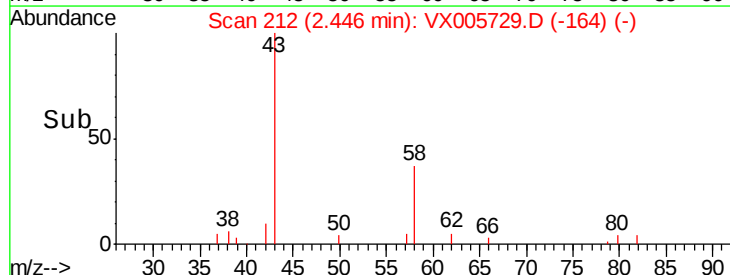
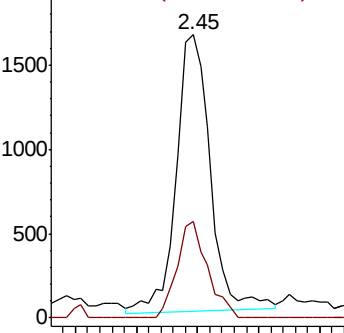
43 100

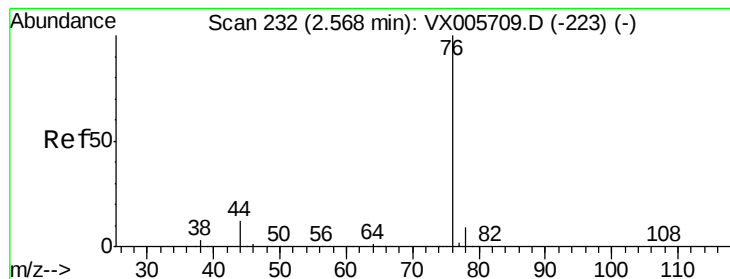
58 35.5 23.8 35.6



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# 233

Delta R.T. 0.01 min

Lab File: VX005729.D

Acq: 01 Nov 2018 15:11

Instrument :

MSVOA_X

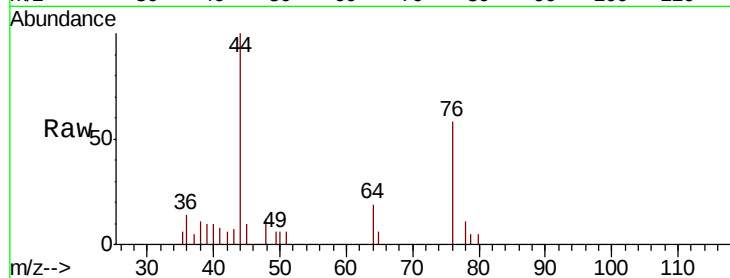
ClientSampleId :

Tot Ion: 76 Resp: 1155

Ion Ratio Lower Upper

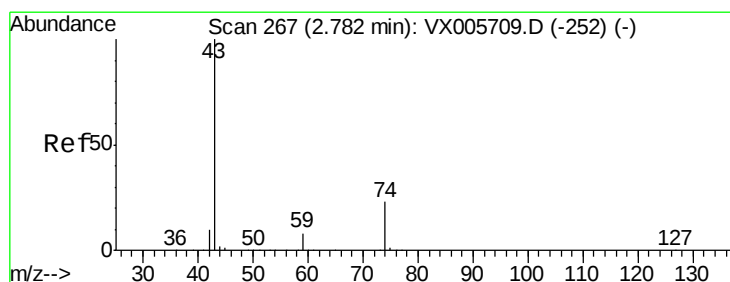
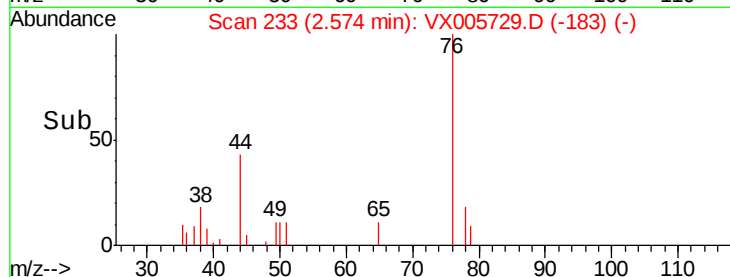
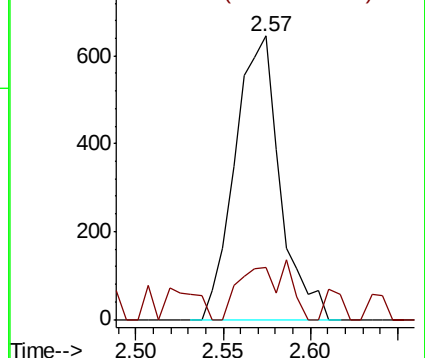
76 100

78 9.6 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: 0.890 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005729.D

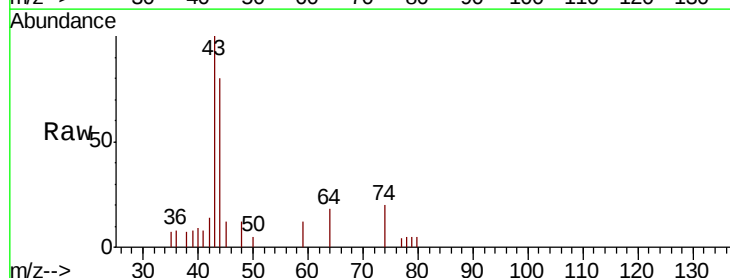
Acq: 01 Nov 2018 15:11

Tgt Ion: 43 Resp: 2209

Ion Ratio Lower Upper

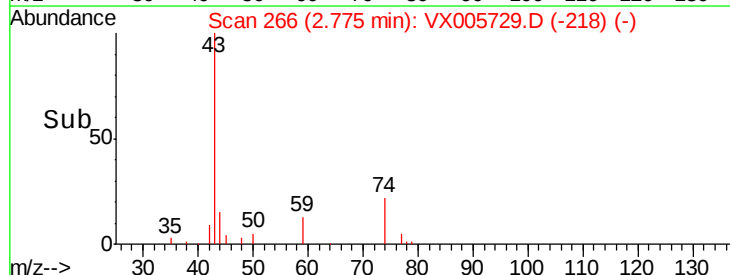
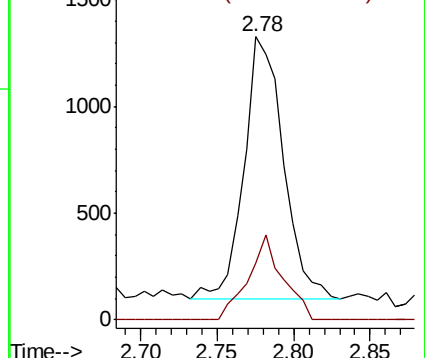
43 100

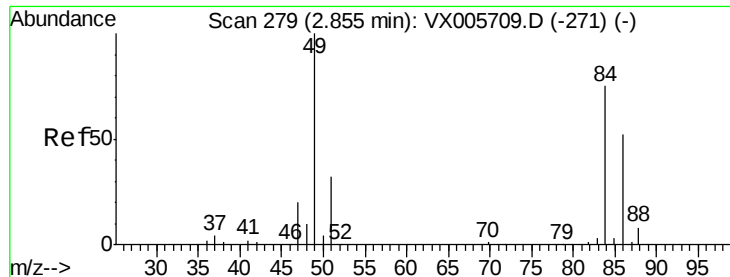
74 28.2 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

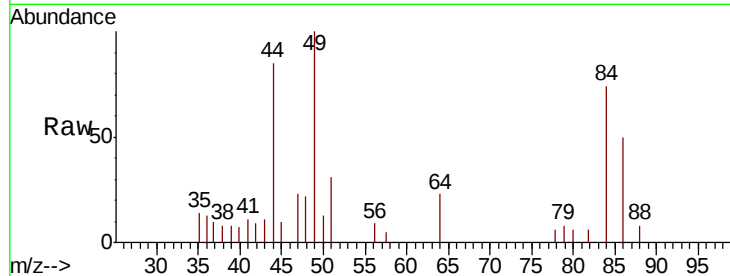




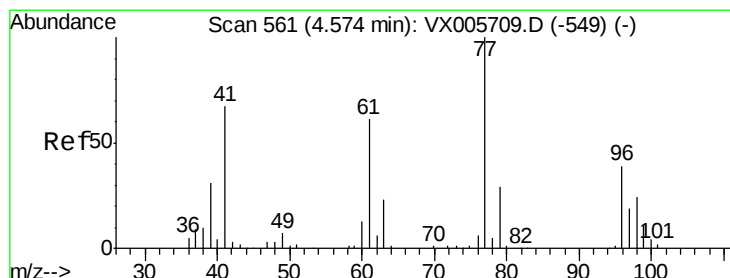
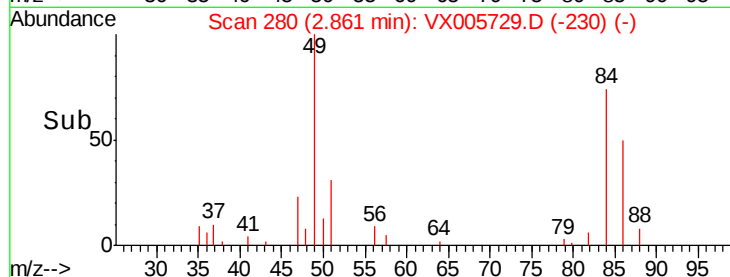
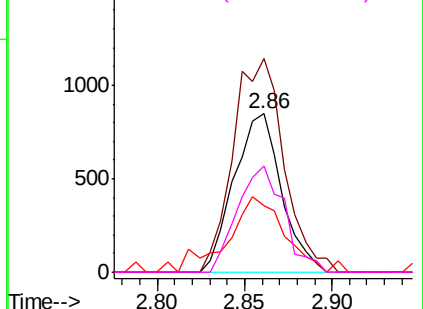
#20
Methvlene Chloride
Concen: 1.075 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005729.D
Acq: 01 Nov 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 1603
Ion Ratio Lower Upper
84 100
49 135.0 109.5 164.3
51 35.3 33.3 49.9
86 67.0 52.7 79.1

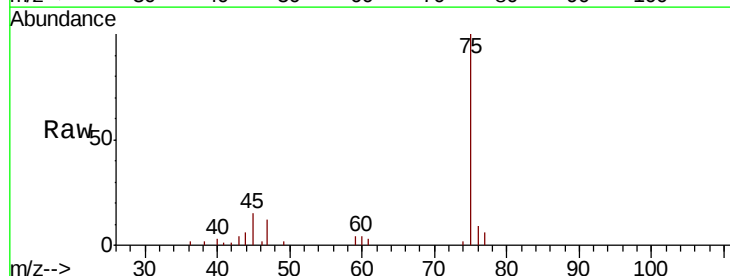


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

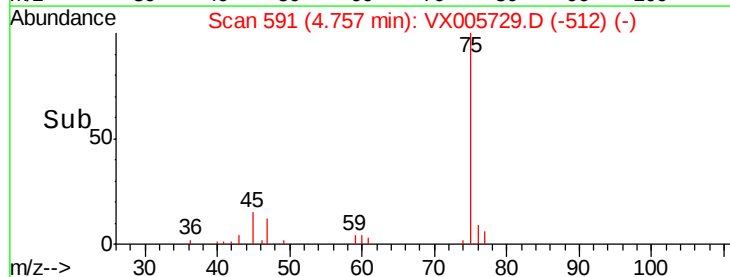
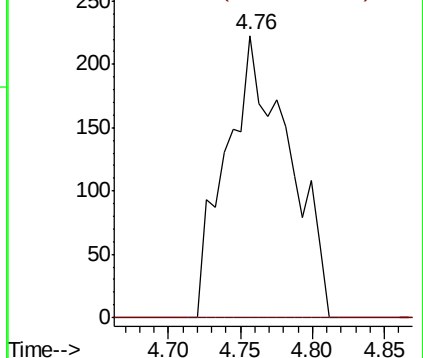


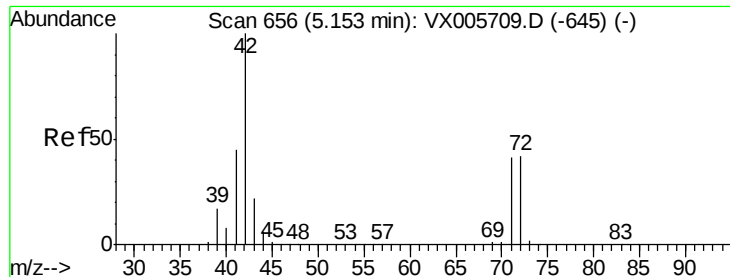
#26
2,2-Dichloropropane
Concen: 0.325 ug/l
RT: 4.76 min Scan# 591
Delta R.T. 0.18 min
Lab File: VX005729.D
Acq: 01 Nov 2018 15:11

Tgt Ion: 77 Resp: 671
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.5#



Abundance Ion 76.90 (76.60 to 77.60): VX0
Ion 96.90 (96.60 to 97.60): VX0





#29

Tetrahydrofuran

Concen: 0.281 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005729.D

Acq: 01 Nov 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

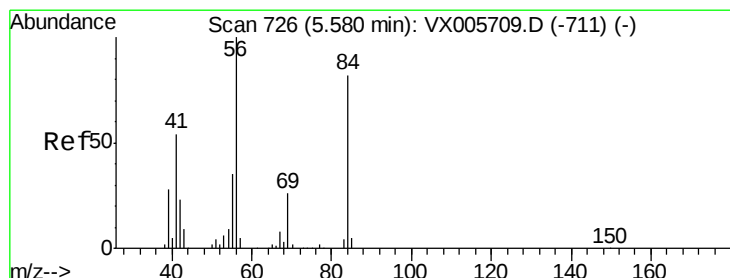
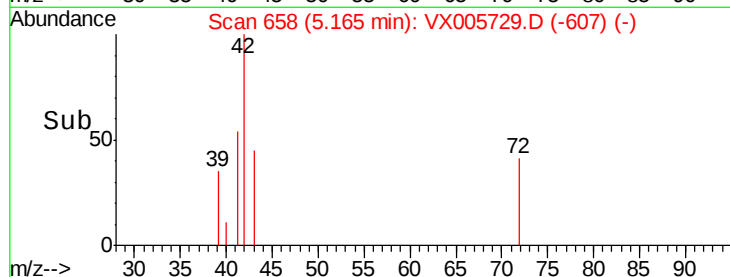
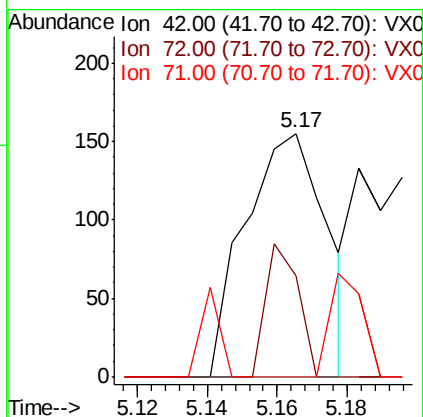
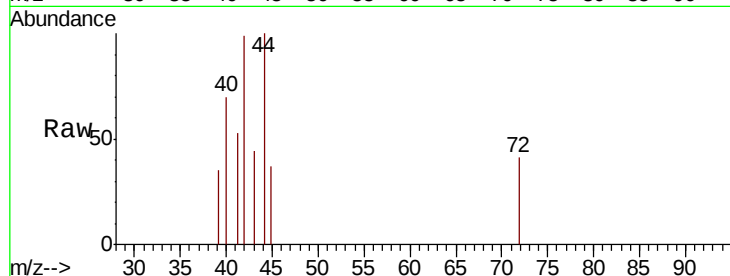
Tot Ion: 42 Resp: 250

Ion Ratio Lower Upper

42 100

72 21.6 32.0 48.0#

71 0.0 29.8 44.8#



#31

Cyclohexane

Concen: 1.348 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX005729.D

Acq: 01 Nov 2018 15:11

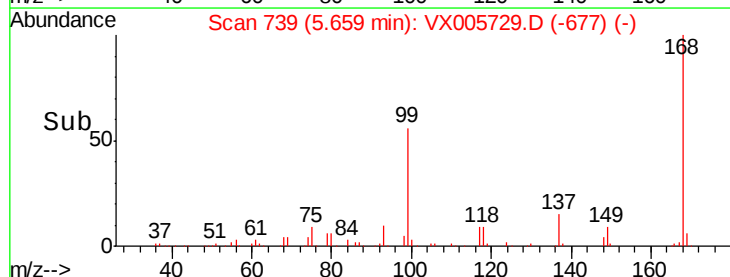
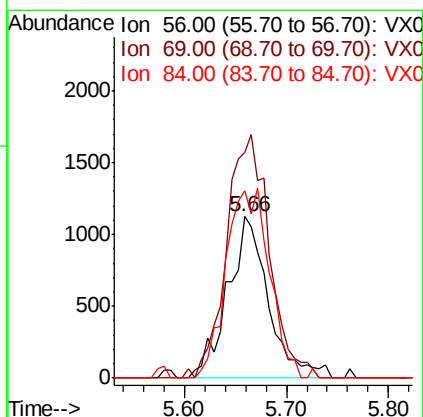
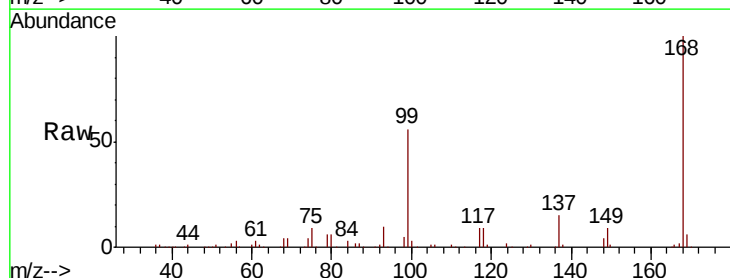
Tgt Ion: 56 Resp: 3115

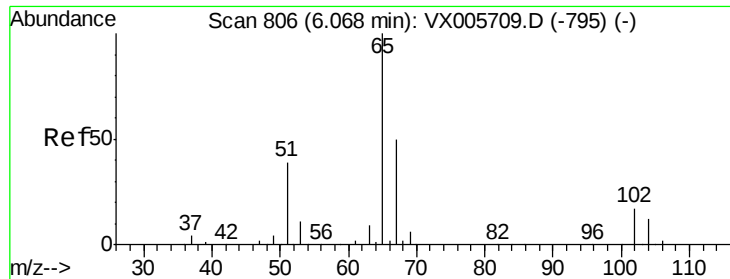
Ion Ratio Lower Upper

56 100

69 140.1 22.6 34.0#

84 116.5 62.7 94.1#

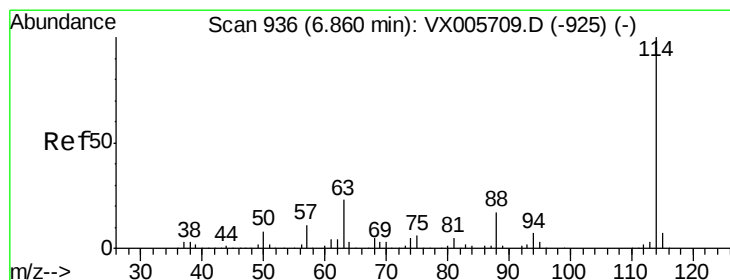
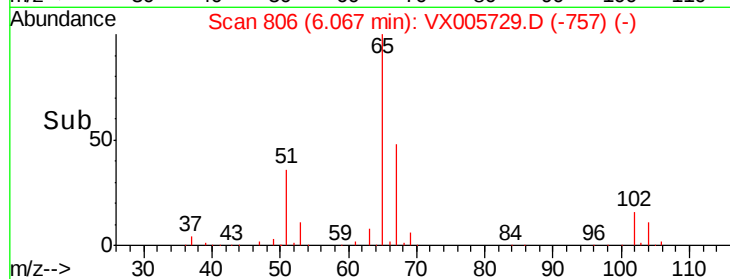
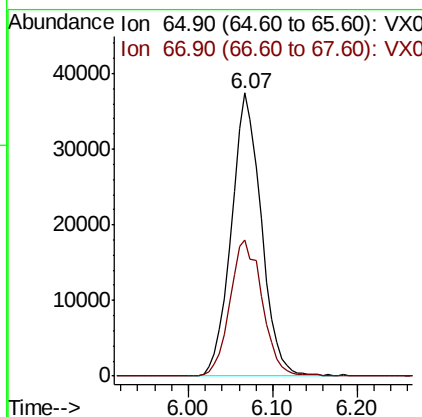
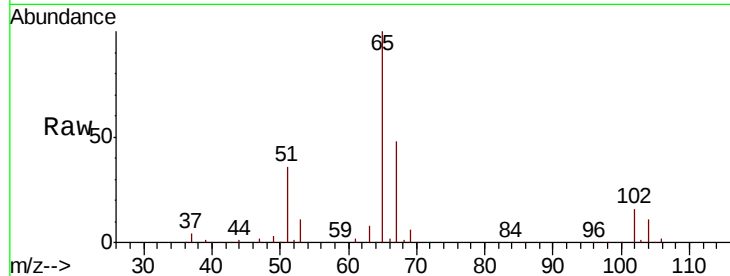




#33
 1,2-Dichloroethane-d4
 Concen: 51.956 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005729.D
 Acq: 01 Nov 2018 15:11

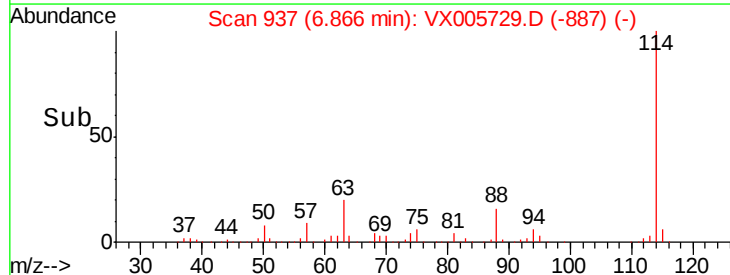
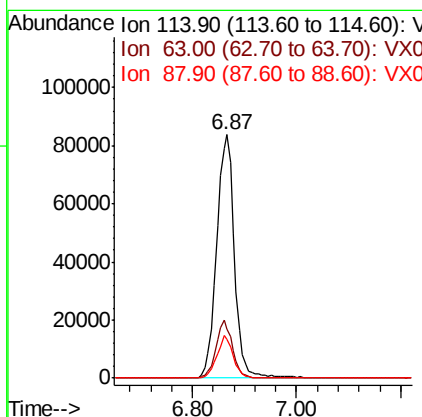
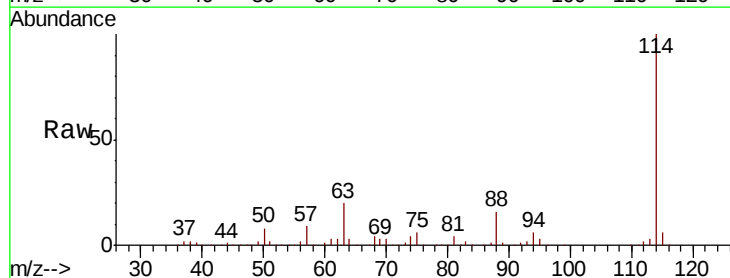
Instrument :
 MSVOA_X
 ClientSampleId :

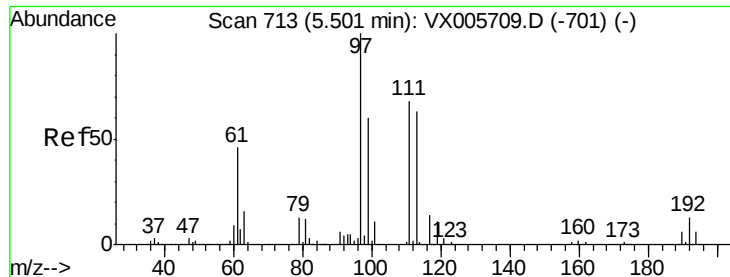
Tot Ion: 65 Resp: 89841
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005729.D
 Acq: 01 Nov 2018 15:11

Tgt Ion: 114 Resp: 199880
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.8
 88 15.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 46.725 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005729.D

Acq: 01 Nov 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

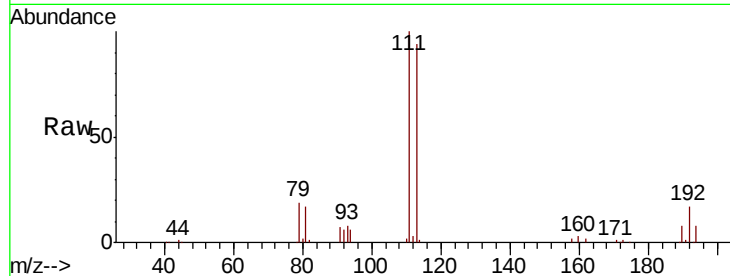
Tot Ion:113 Resp: 64667

Ion Ratio Lower Upper

113 100

111 104.1 82.3 123.5

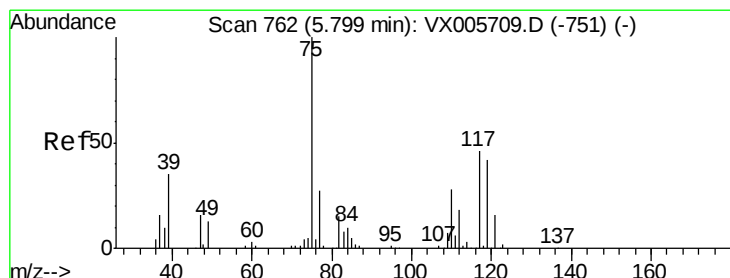
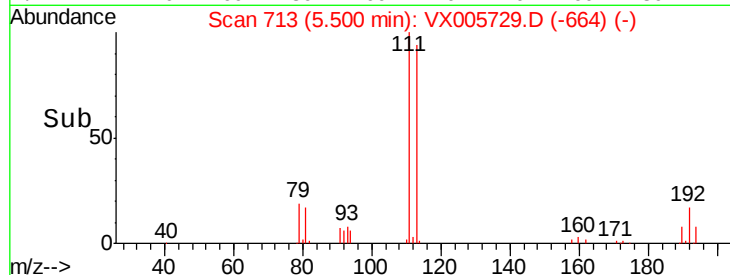
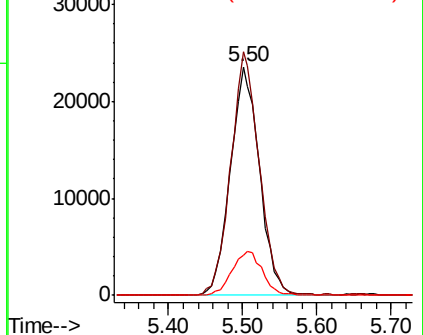
192 19.9 17.9 26.9



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: 4.990 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005729.D

Acq: 01 Nov 2018 15:11

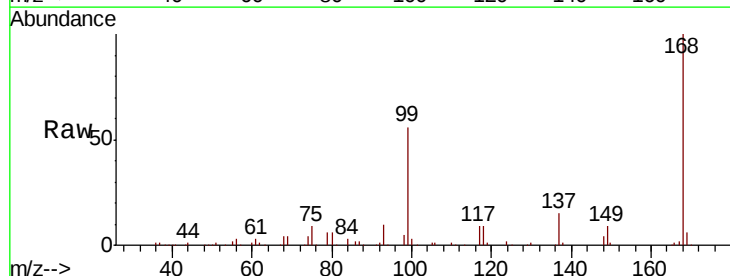
Tgt Ion: 75 Resp: 10627

Ion Ratio Lower Upper

75 100

110 8.8 17.4 52.2#

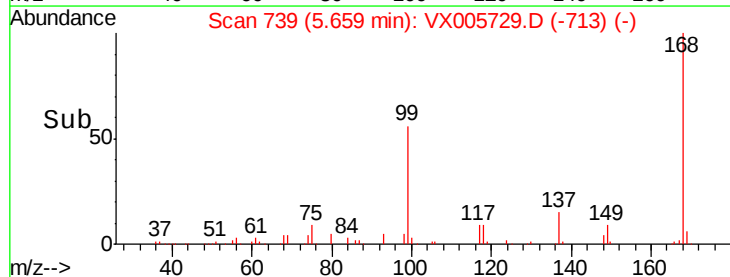
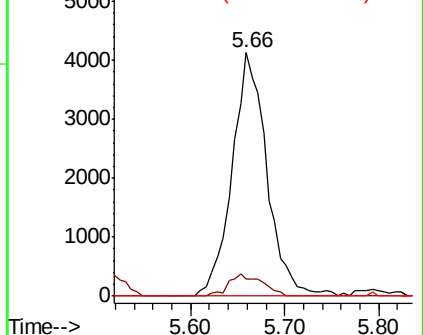
77 0.0 25.8 38.6#

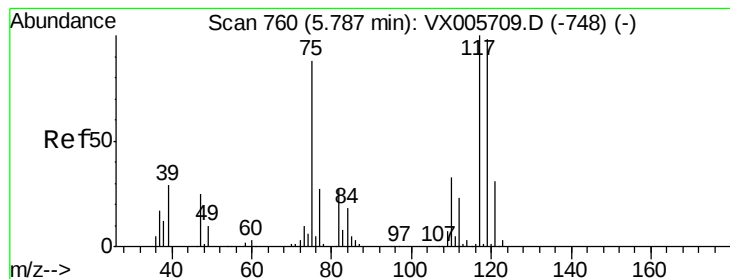


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.919 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX005729.D

Acq: 01 Nov 2018 15:11

Instrument :

MSVOA_X

ClientSampled :

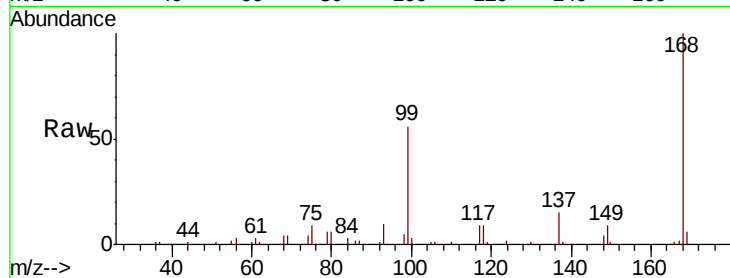
Tot Ion:117 Resp: 11389

Ion Ratio Lower Upper

117 100

119 5.7 78.1 117.1#

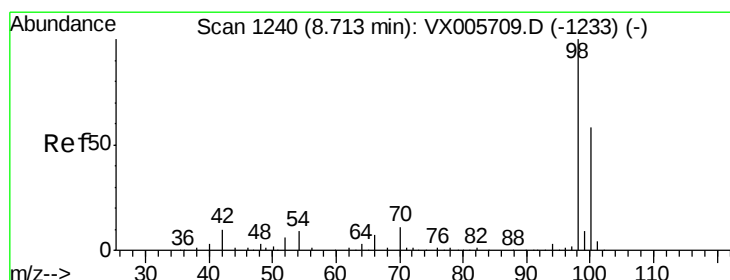
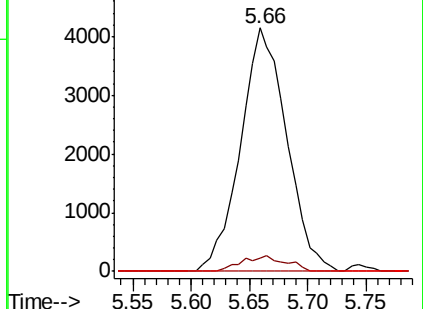
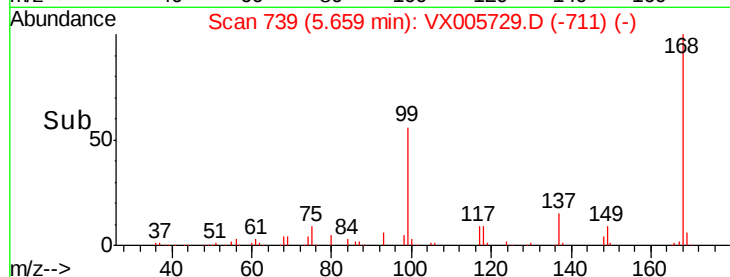
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 47.374 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005729.D

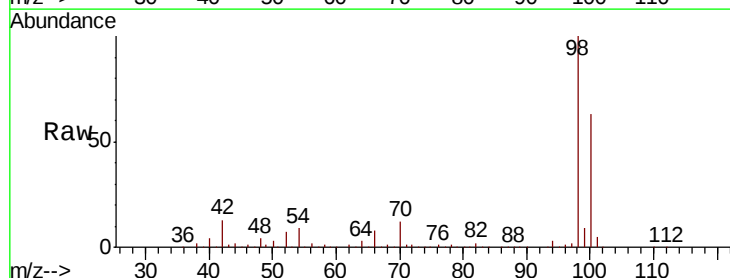
Acq: 01 Nov 2018 15:11

Tgt Ion: 98 Resp: 229957

Ion Ratio Lower Upper

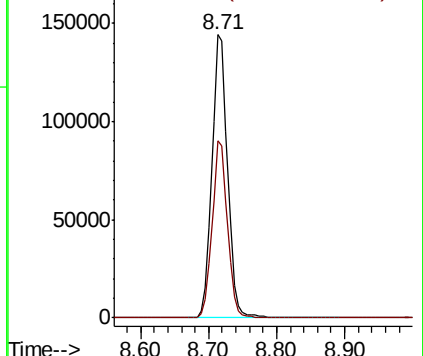
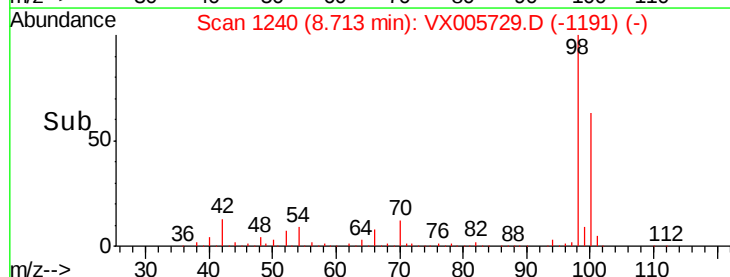
98 100

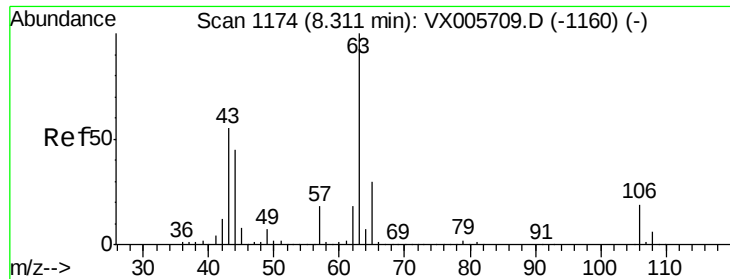
100 61.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

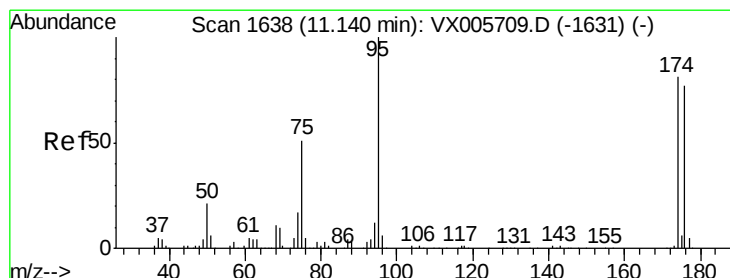
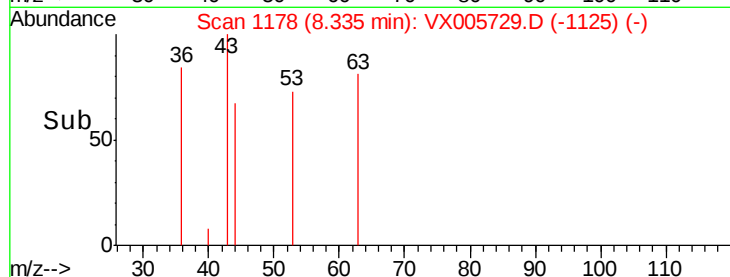
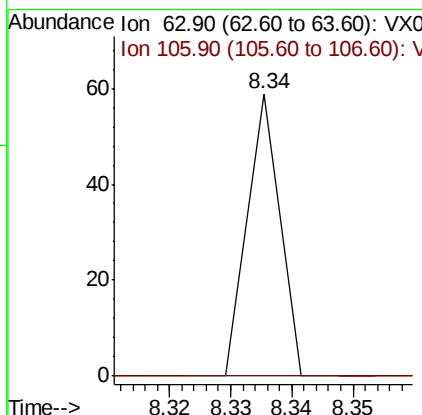
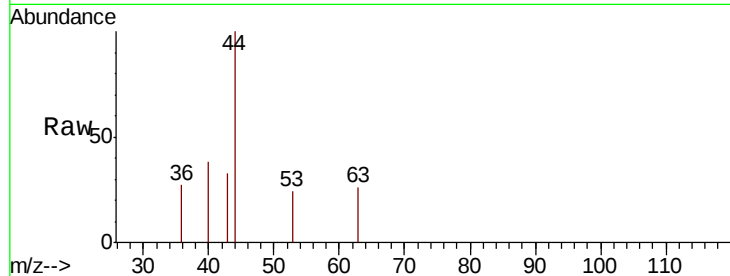




#58
 2-Chloroethyl Vinyl ether
 Concen: 10.353 ug/l
 RT: 8.34 min Scan# 1178
 Delta R.T. 0.02 min
 Lab File: VX005729.D
 Acq: 01 Nov 2018 15:11

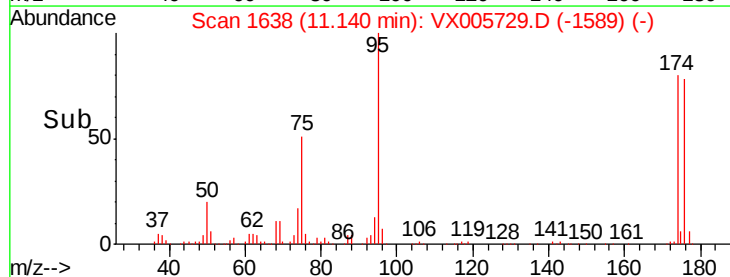
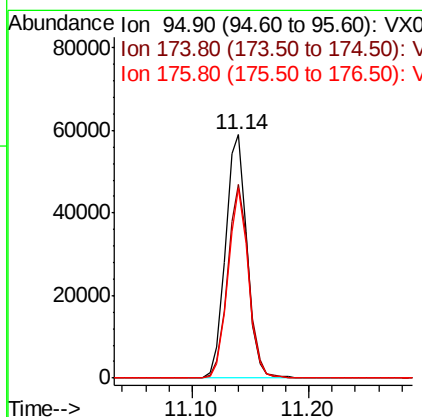
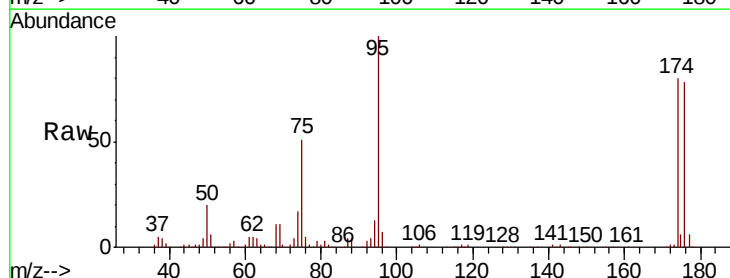
Instrument :
 MSVOA_X
 ClientSampleId :

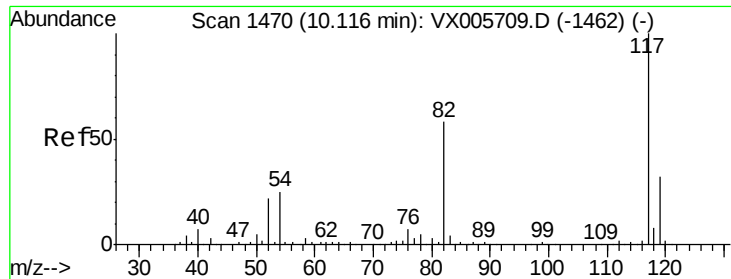
Tot Ion: 63 Resp: 22
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.3 31.9#



#62
 4-Bromofluorobenzene
 Concen: 41.965 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005729.D
 Acq: 01 Nov 2018 15:11

Tgt Ion: 95 Resp: 75181
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 184.4
 176 74.7 0.0 177.4

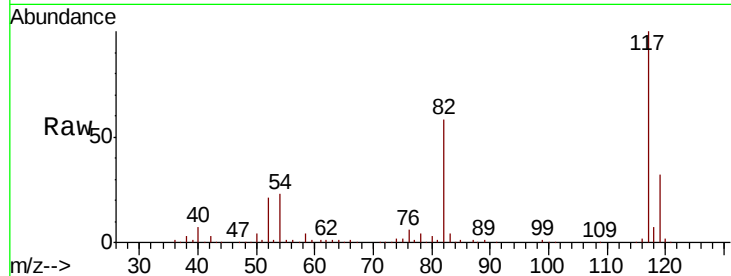




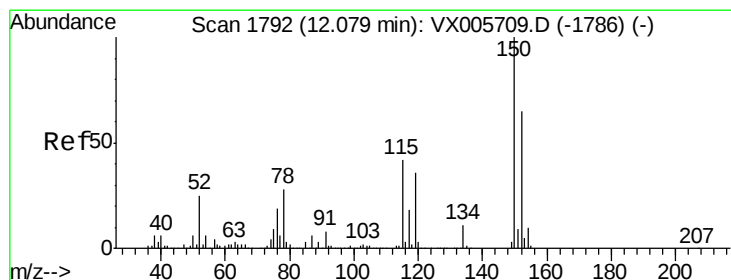
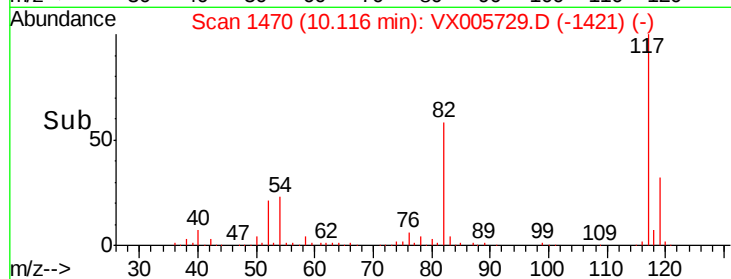
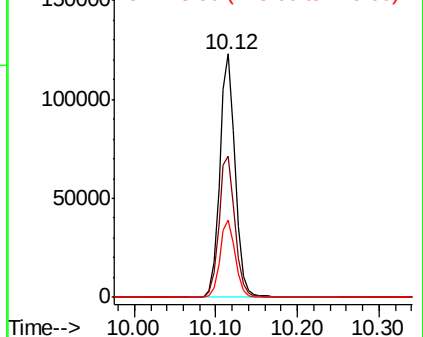
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005729.D
Acq: 01 Nov 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 163065
Ion Ratio Lower Upper
117 100
82 58.0 44.1 66.1
119 32.0 26.2 39.2

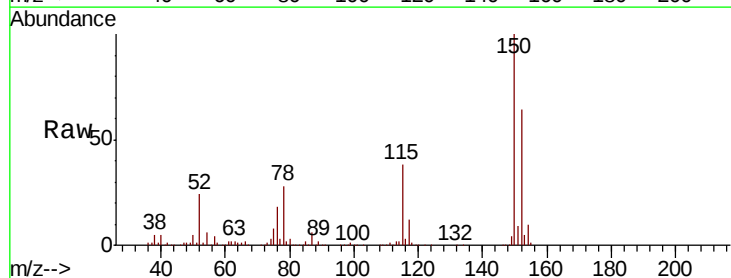


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

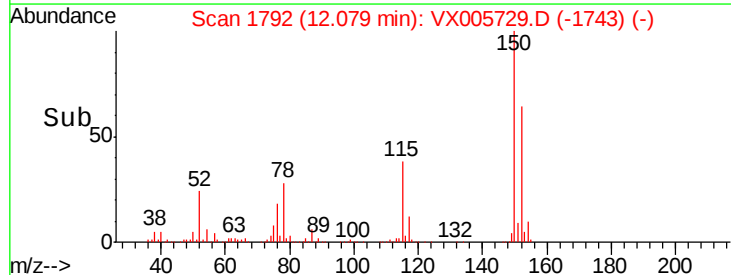
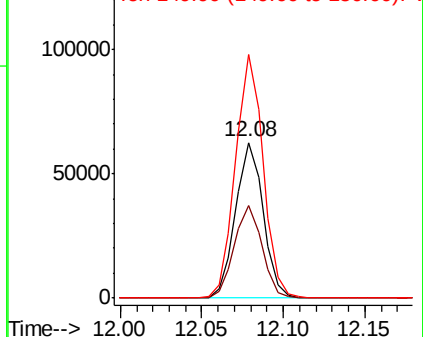


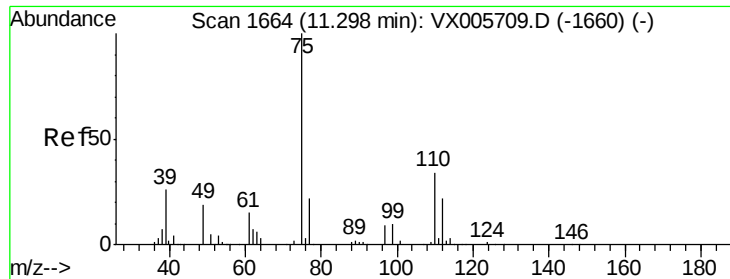
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005729.D
Acq: 01 Nov 2018 15:11

Tgt Ion:152 Resp: 74051
Ion Ratio Lower Upper
152 100
115 60.0 39.4 118.1
150 156.6 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

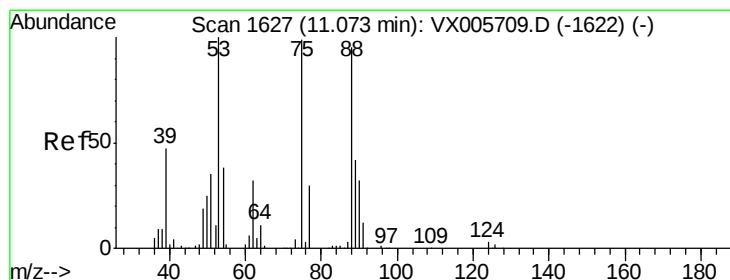
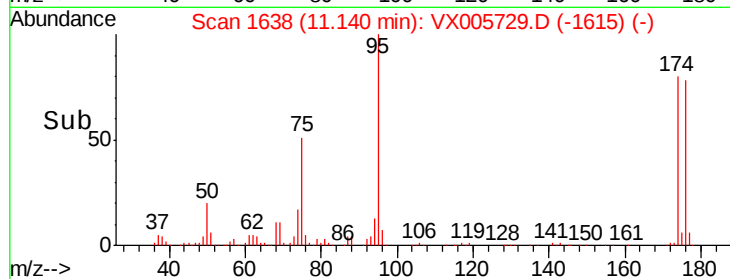
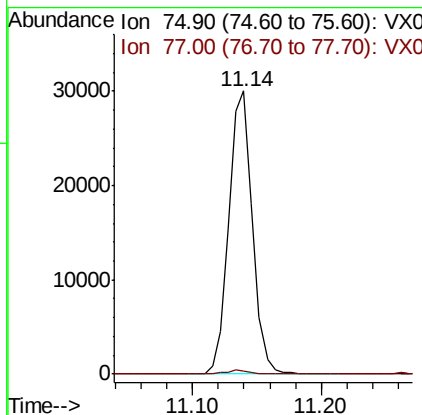
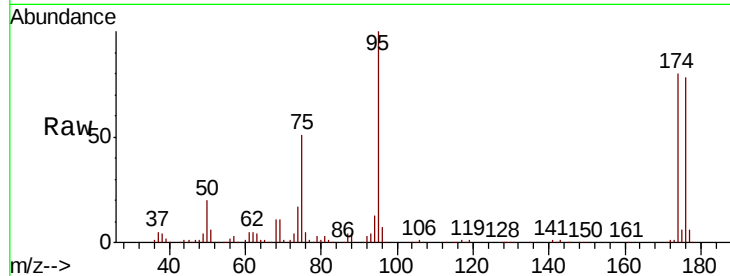




#76
 1,2,3-Trichloropropane
 Concen: 20.965 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005729.D
 Acq: 01 Nov 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 38667
 Ion Ratio Lower Upper
 75 100
 77 1.5 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.738 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005729.D
 Acq: 01 Nov 2018 15:11

Tgt Ion: 75 Resp: 38667
 Ion Ratio Lower Upper
 75 100
 53 0.4 80.2 120.2#
 89 0.2 39.8 59.8#

