

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110118\
 Data File : VX005721.D
 Acq On : 01 Nov 2018 11:30
 Operator : JC/MD
 Sample : VX1101MBL01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 01 14:35:17 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	127552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	204526	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	173610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	76958	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	93044	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
35) Dibromofluoromethane	5.50	113	72101	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
50) Toluene-d8	8.71	98	246846	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.14	95	79243	43.23	ug/l	0.00
Spiked Amount			Recovery	=	86.46%	

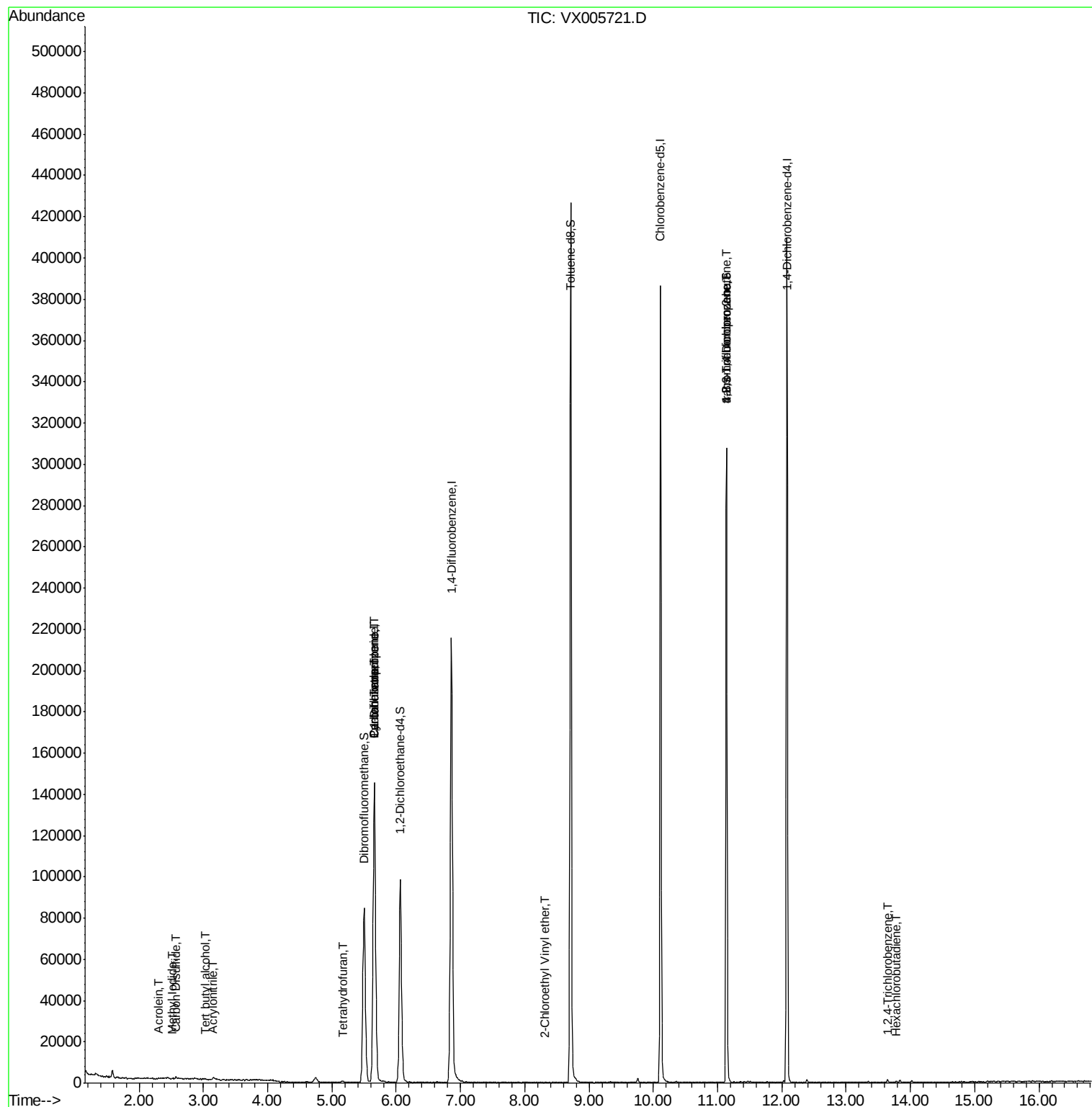
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	23	Below Cal	#	42
10) Methyl Iodide	2.51	142	232	2.103	ug/l #	80
11) Tert butyl alcohol	3.04	59	177	0.350	ug/l #	72
13) Acrolein	2.29	56	177	12.648	ug/l	88
15) Acrylonitrile	3.15	53	480	0.431	ug/l	90
16) Acetone	2.43	43	577	Below Cal	#	45
17) Carbon Disulfide	2.57	76	1271	0.301	ug/l #	70
29) Tetrahydrofuran	5.16	42	417	0.434	ug/l #	64
31) Cyclohexane	5.66	56	3526	1.415	ug/l #	9
36) 1,1-Dichloropropene	5.66	75	11098	5.093	ug/l #	48
38) Carbon Tetrachloride	5.66	117	13048	6.628	ug/l #	14
58) 2-Chloroethyl Vinyl ether	8.32	63	81	10.391	ug/l #	48
76) 1,2,3-Trichloropropane	11.14	75	41502	21.652	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	41502	69.958	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.65	180	331	0.203	ug/l	92
94) Hexachlorobutadiene	13.79	225	176	0.223	ug/l #	72

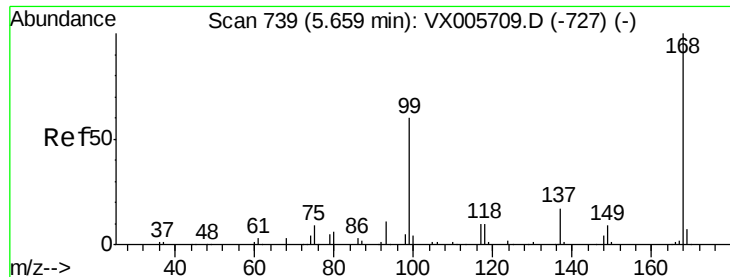
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110118\
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Sample : VX1101MBL01
Misc : 5.0µl/10mL/100ul/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 01 14:35:17 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: VX005721.D

Acq: 01 Nov 2018 11:30

Instrument :

MSVOA_X

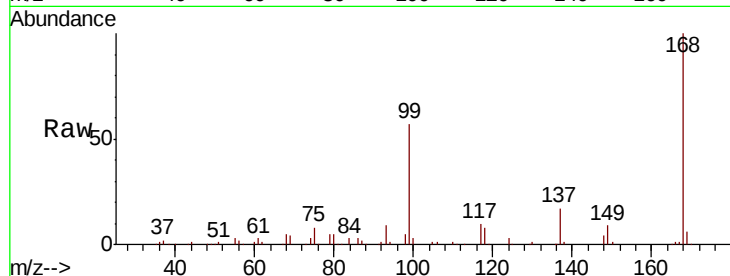
ClientSampleId :

Tot Ion:168 Resp: 127552

Ion Ratio Lower Upper

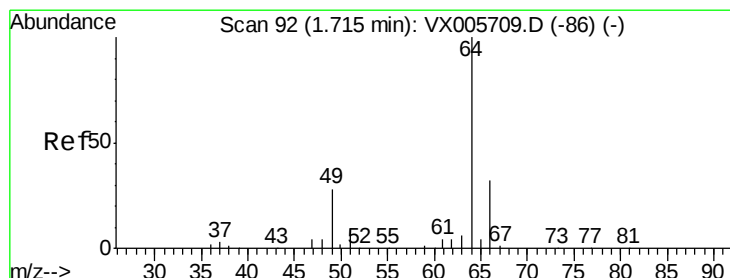
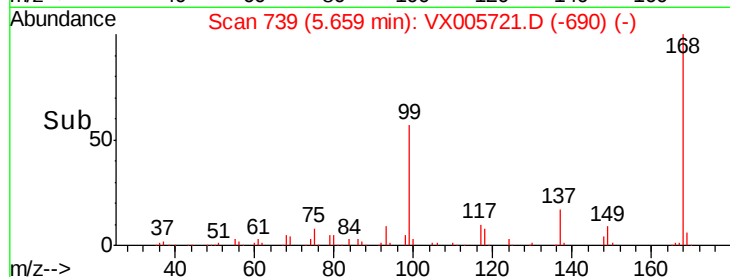
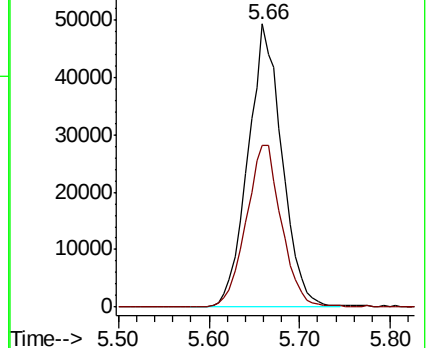
168 100

99 57.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX005721.D

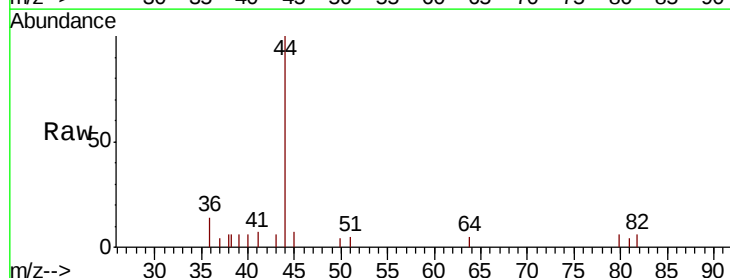
Acq: 01 Nov 2018 11:30

Tgt Ion: 64 Resp: 23

Ion Ratio Lower Upper

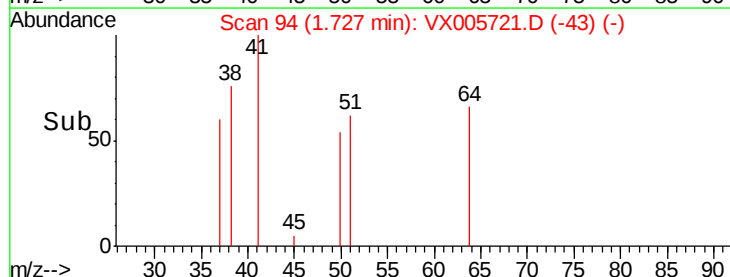
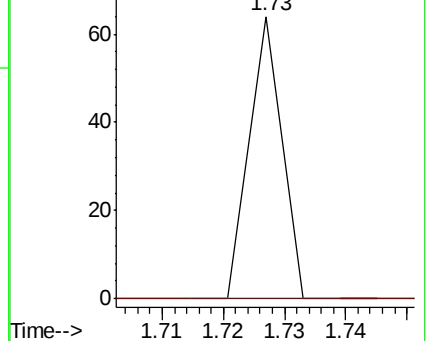
64 100

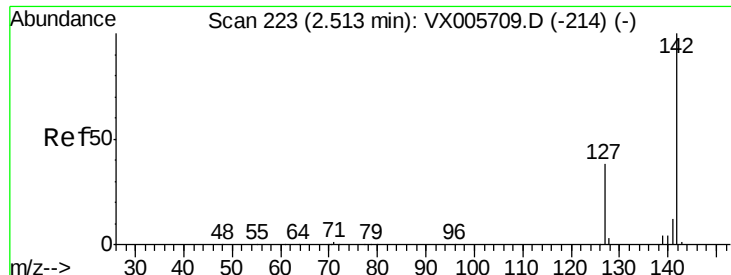
66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

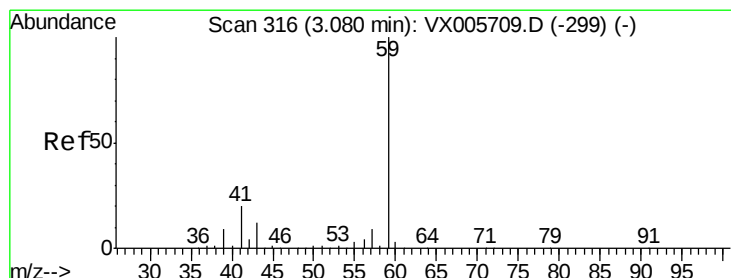
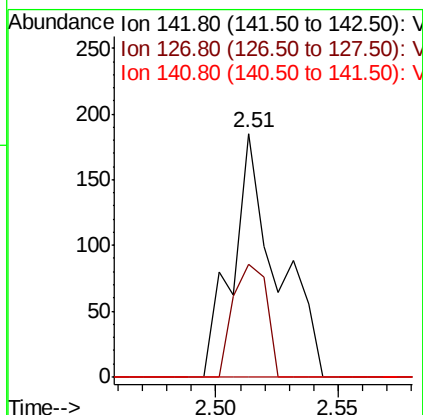
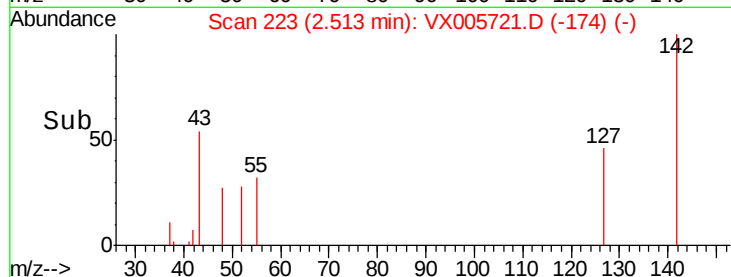
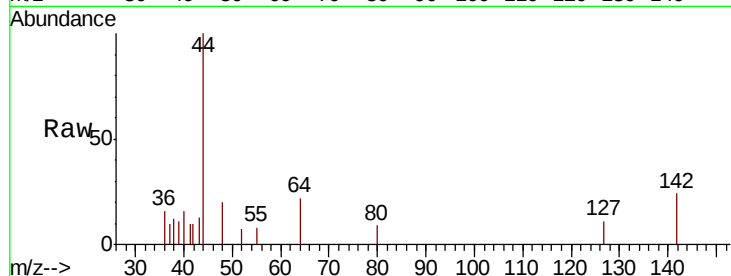




#10
Methyl Iodide
Concen: 2.103 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX005721.D
Acq: 01 Nov 2018 11:30

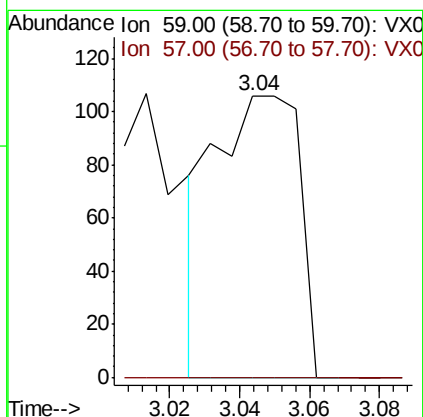
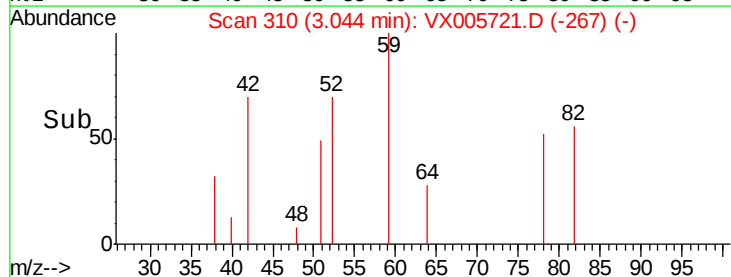
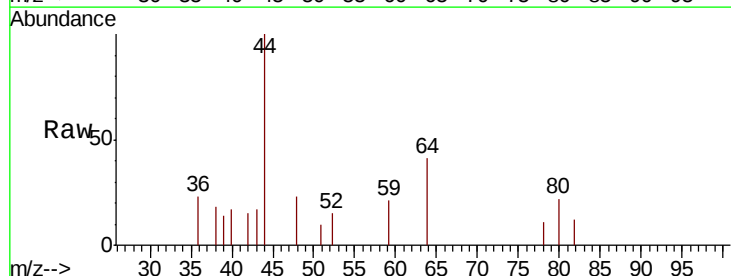
Instrument :
MSVOA_X
ClientSampled :

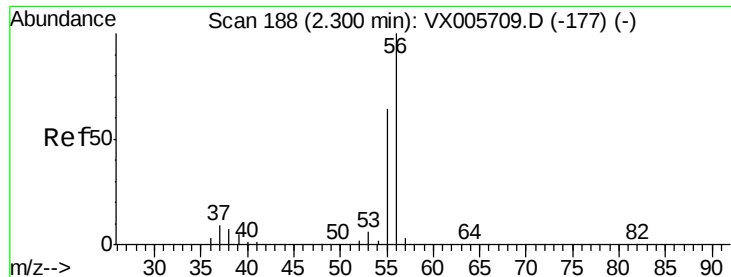
Tot Ion:142 Resp: 232
Ion Ratio Lower Upper
142 100
127 35.3 36.0 54.0#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.350 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.04 min
Lab File: VX005721.D
Acq: 01 Nov 2018 11:30

Tgt Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 12.648 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX005721.D

Acq: 01 Nov 2018 11:30

Instrument :

MSVOA_X

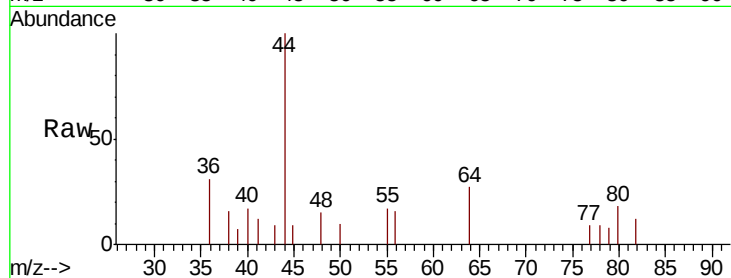
ClientSampleId :

Tot Ion: 56 Resp: 177

Ion Ratio Lower Upper

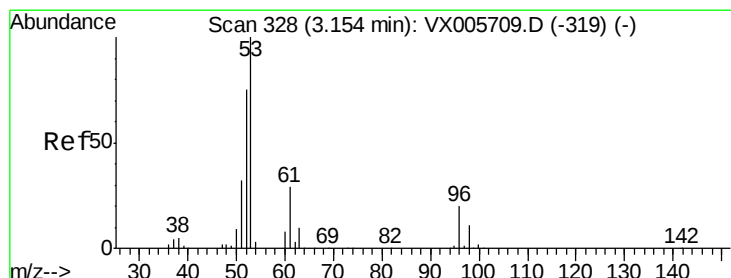
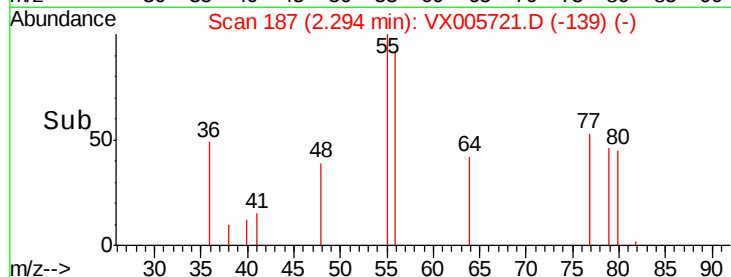
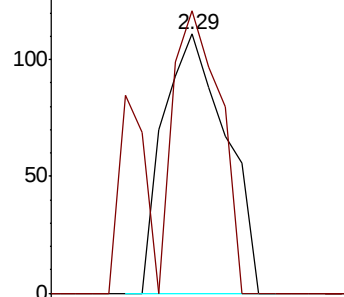
56 100

55 81.9 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: 0.431 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005721.D

Acq: 01 Nov 2018 11:30

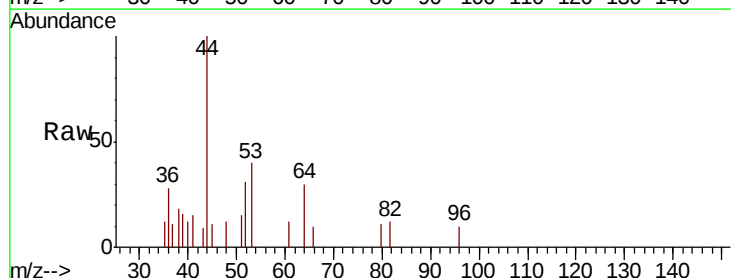
Tgt Ion: 53 Resp: 480

Ion Ratio Lower Upper

53 100

52 91.9 66.6 99.8

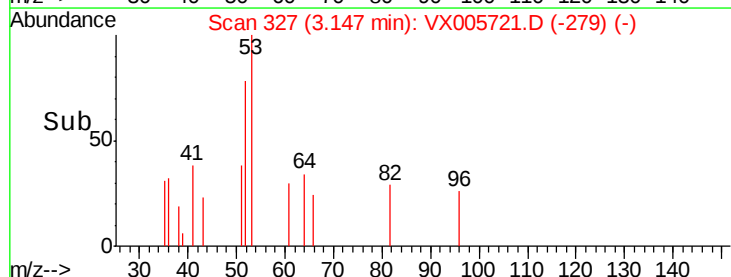
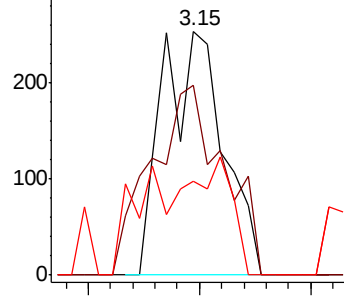
51 29.6 28.4 42.6

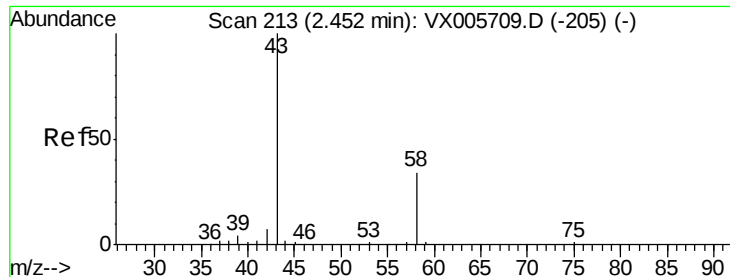


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 210

Delta R.T. -0.02 min

Lab File: VX005721.D

Acq: 01 Nov 2018 11:30

Instrument :

MSVOA_X

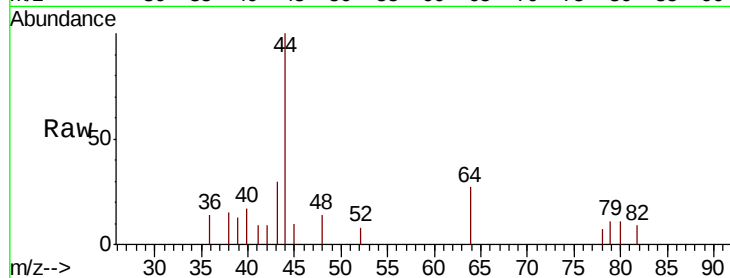
ClientSampled :

Tot Ion: 43 Resp: 577

Ion Ratio Lower Upper

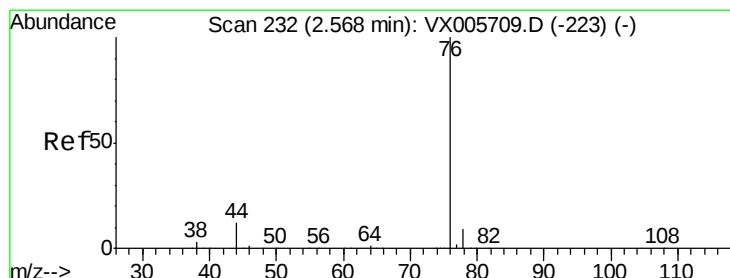
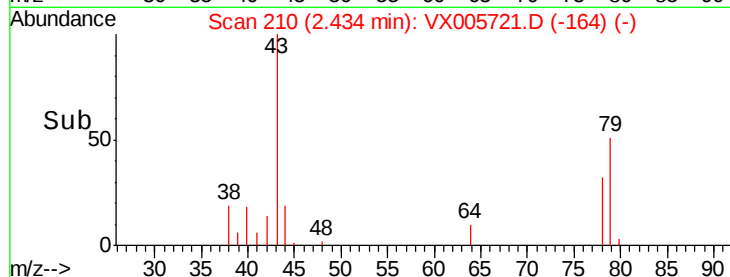
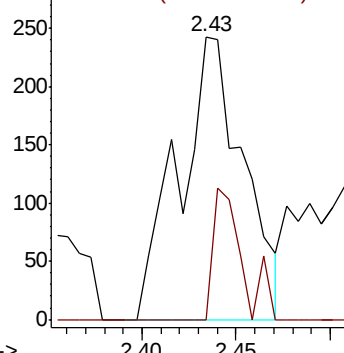
43 100

58 0.0 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: 0.301 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005721.D

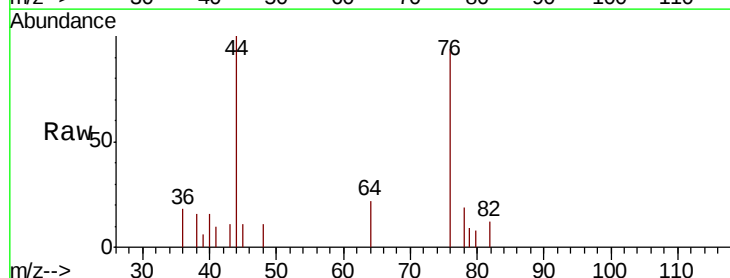
Acq: 01 Nov 2018 11:30

Tgt Ion: 76 Resp: 1271

Ion Ratio Lower Upper

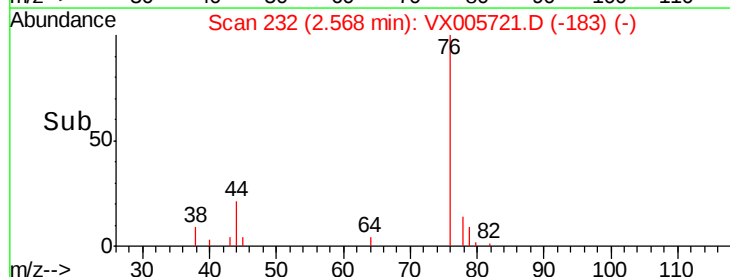
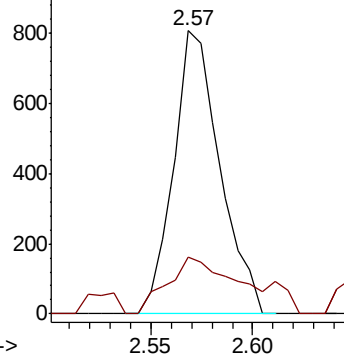
76 100

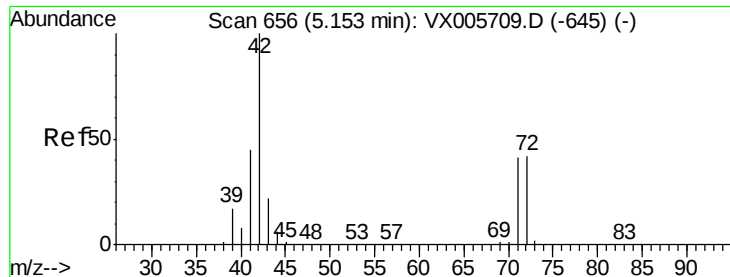
78 20.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#29

Tetrahydrofuran

Concen: 0.434 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005721.D

Acq: 01 Nov 2018 11:30

Instrument :

MSVOA_X

ClientSampleId :

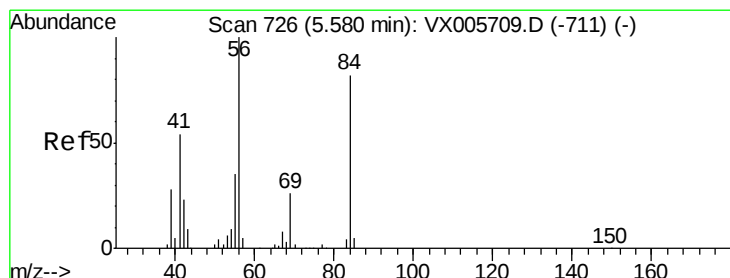
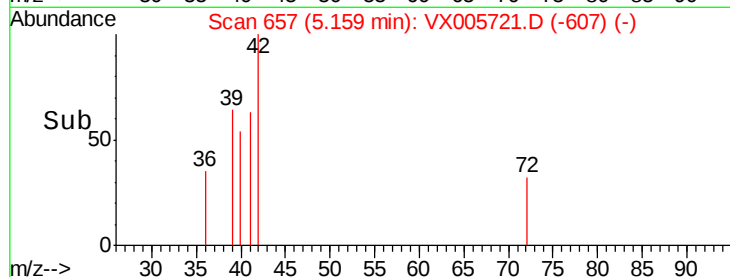
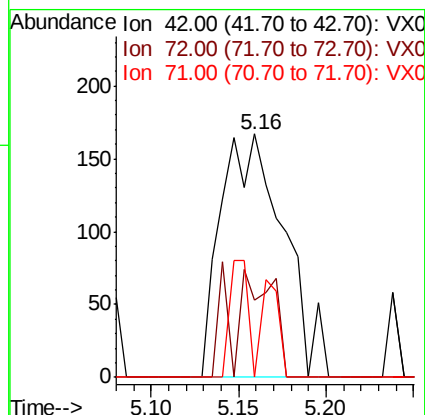
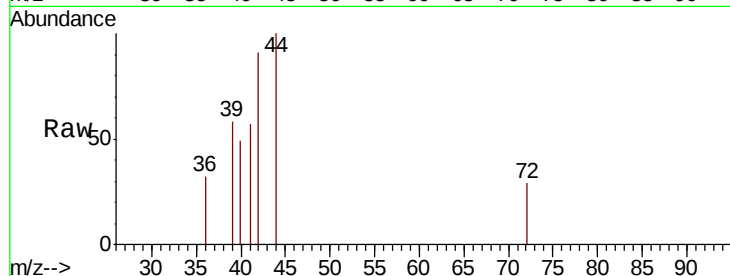
Tot Ion: 42 Resp: 417

Ion Ratio Lower Upper

42 100

72 22.3 32.0 48.0#

71 11.0 29.8 44.8#



#31

Cyclohexane

Concen: 1.415 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX005721.D

Acq: 01 Nov 2018 11:30

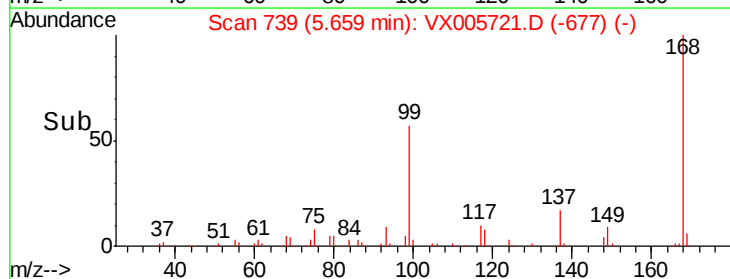
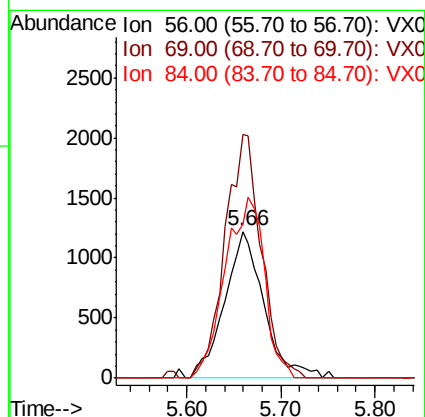
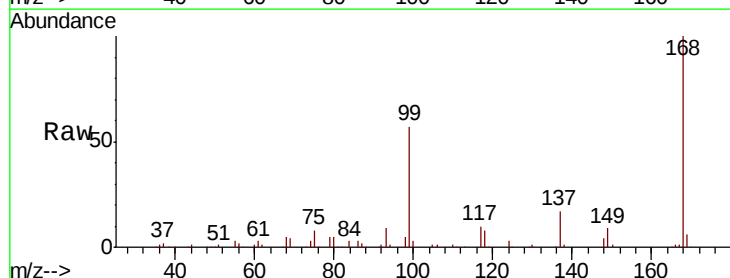
Tgt Ion: 56 Resp: 3526

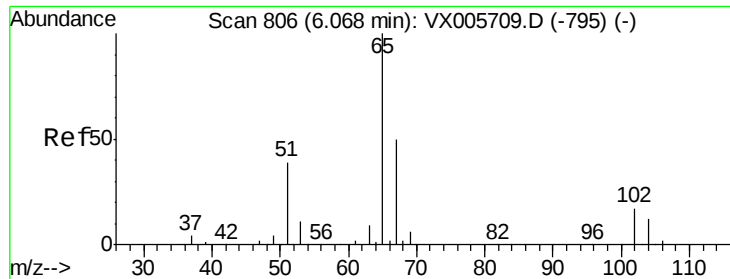
Ion Ratio Lower Upper

56 100

69 165.7 22.6 34.0#

84 104.8 62.7 94.1#

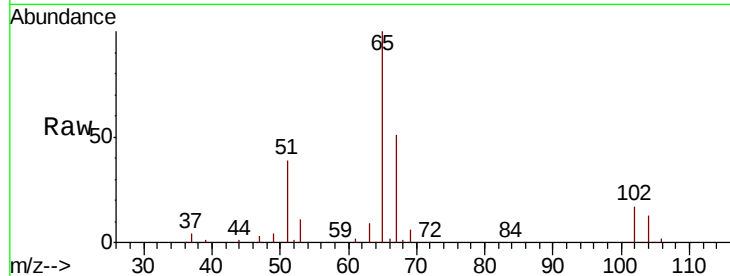




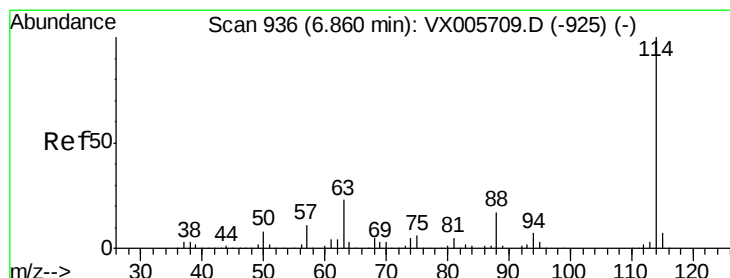
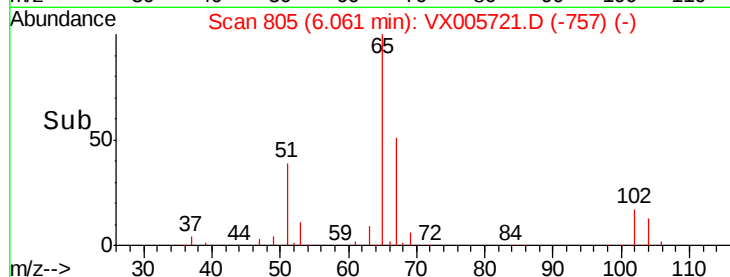
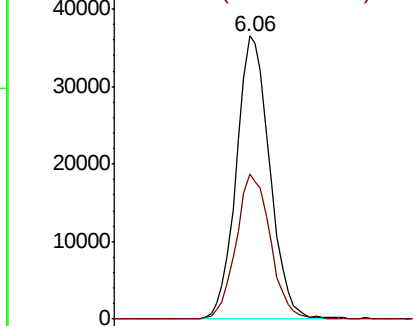
#33
 1,2-Dichloroethane-d4
 Concen: 49.894 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005721.D
 Acq: 01 Nov 2018 11:30

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 65 Resp: 93044
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.0

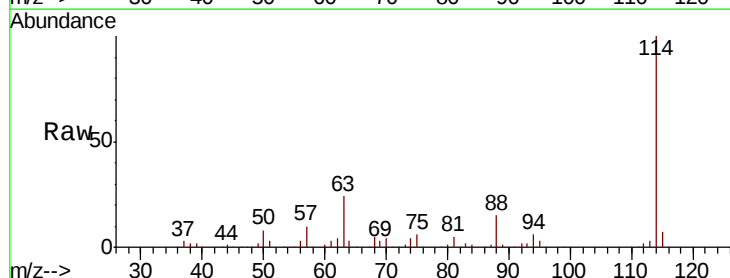


Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0

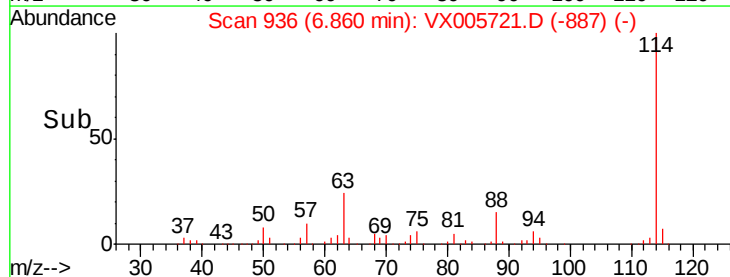
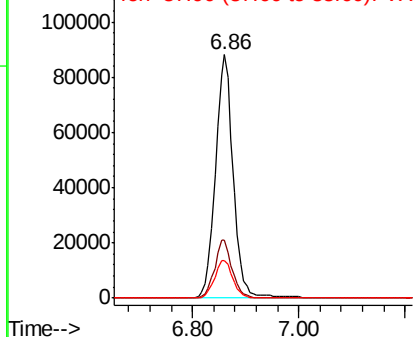


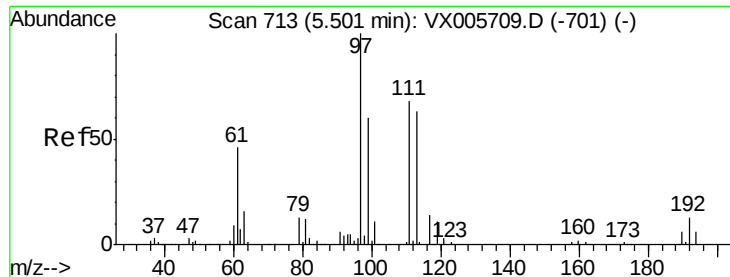
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005721.D
 Acq: 01 Nov 2018 11:30

Tgt Ion: 114 Resp: 204526
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 42.8
 88 15.4 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

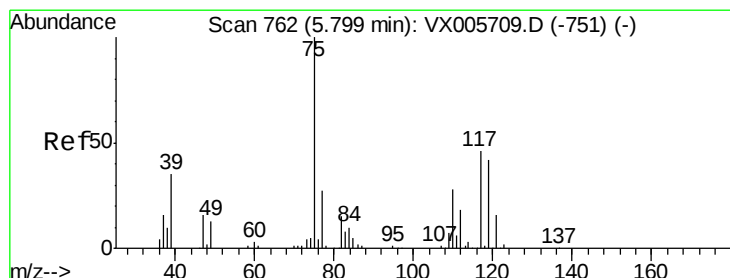
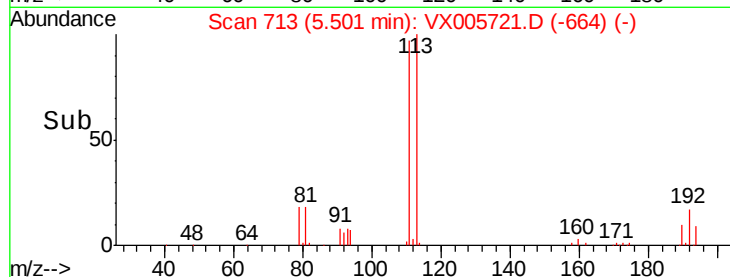
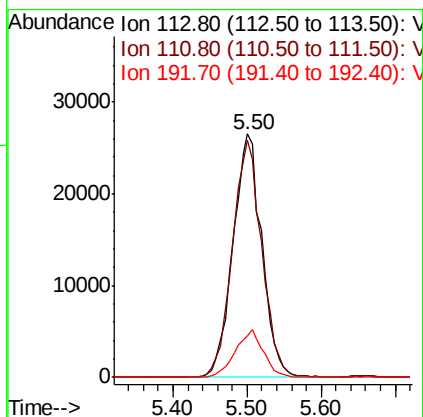
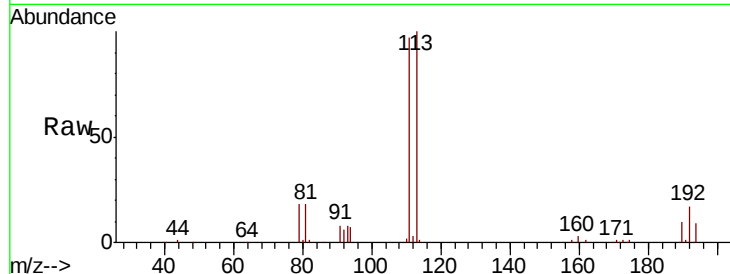




#35
 Dibromofluoromethane
 Concen: 50.913 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005721.D
 Acq: 01 Nov 2018 11:30

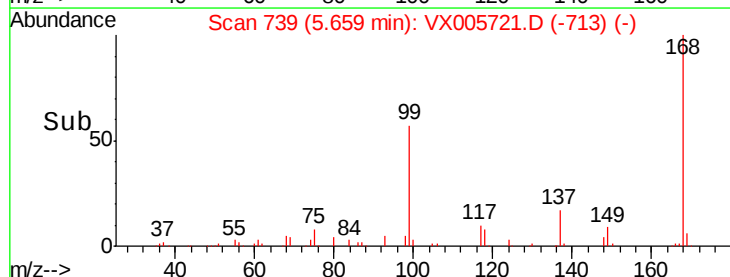
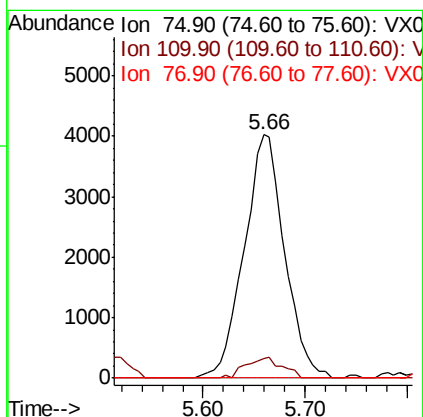
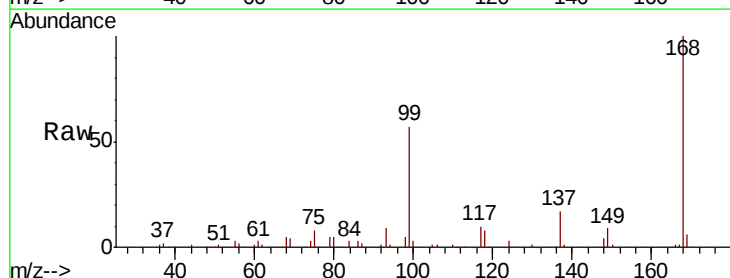
Instrument :
 MSVOA_X
 ClientSampleId :

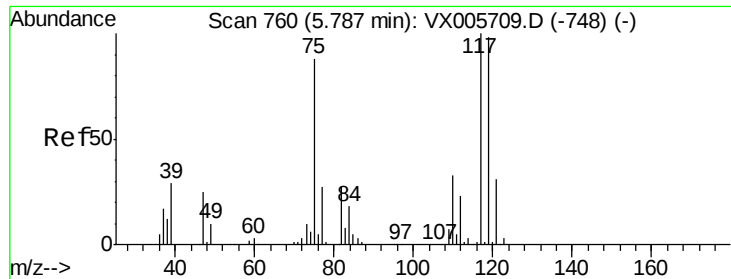
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.8	82.3	123.5
192	18.9	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 5.093 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005721.D
 Acq: 01 Nov 2018 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	17.4	52.2#
77	0.0	25.8	38.6#

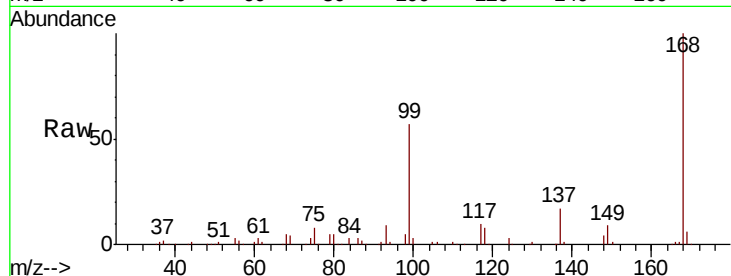




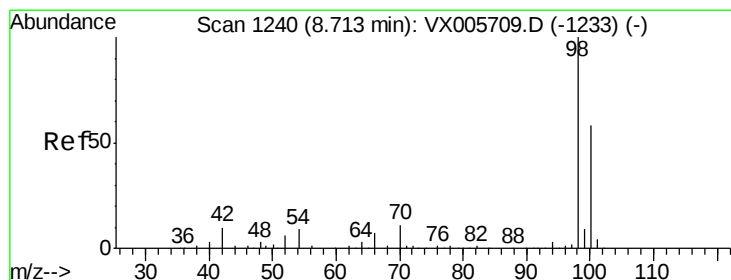
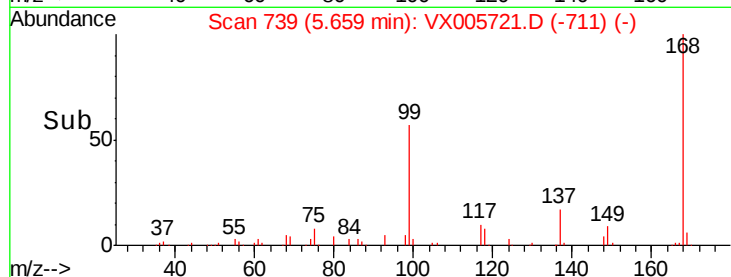
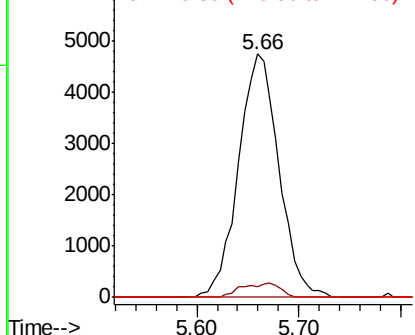
#38
Carbon Tetrachloride
Concen: 6.628 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX005721.D
Acq: 01 Nov 2018 11:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 13048
Ion Ratio Lower Upper
117 100
119 4.1 78.1 117.1#
121 0.0 24.6 36.8#

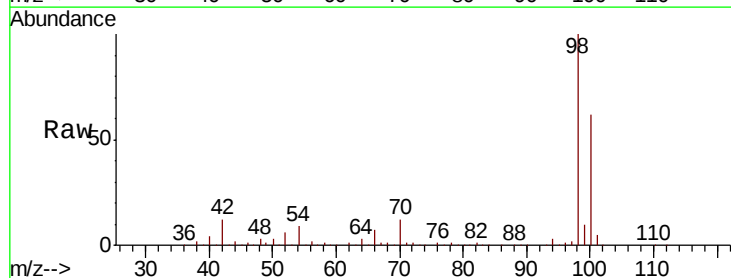


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

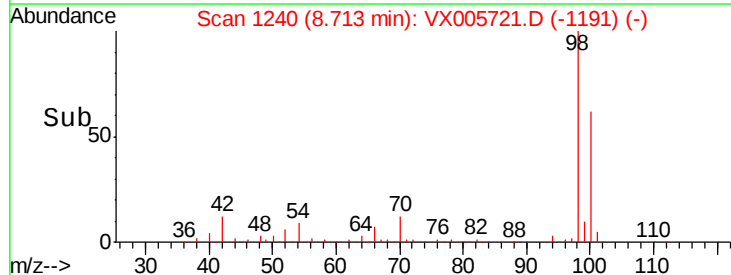
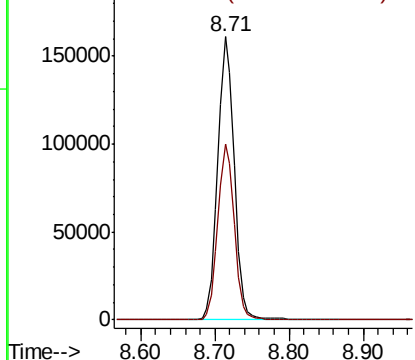


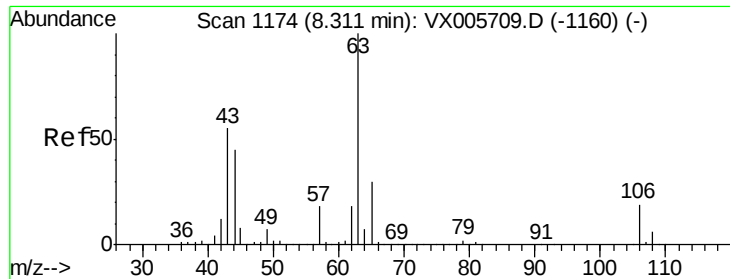
#50
Toluene-d8
Concen: 49.698 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005721.D
Acq: 01 Nov 2018 11:30

Tgt Ion: 98 Resp: 246846
Ion Ratio Lower Upper
98 100
100 62.3 51.3 76.9



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

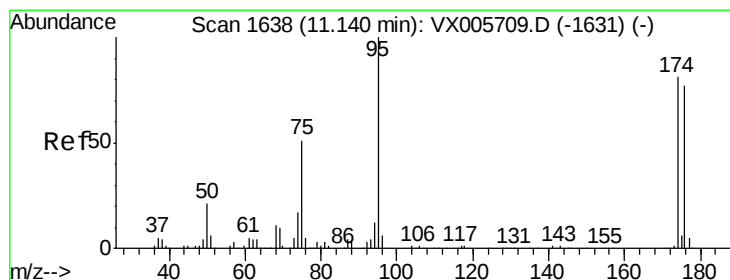
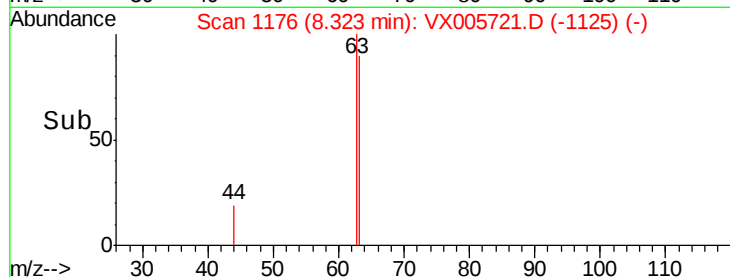
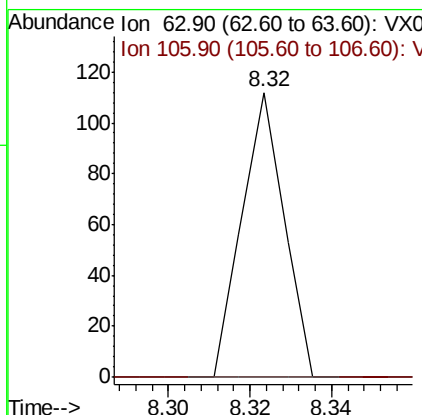
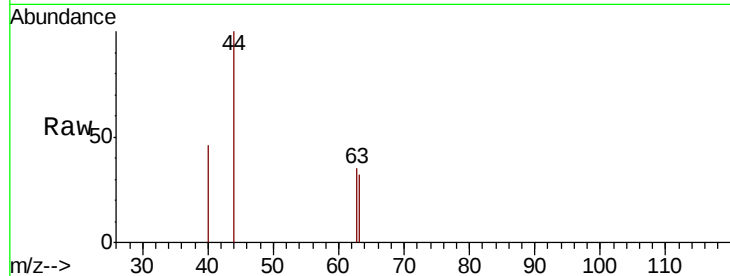




#58
 2-Chloroethyl Vinyl ether
 Concen: 10.391 ug/l
 RT: 8.32 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VX005721.D
 Acq: 01 Nov 2018 11:30

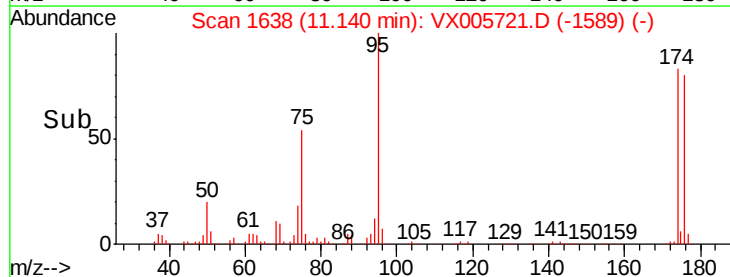
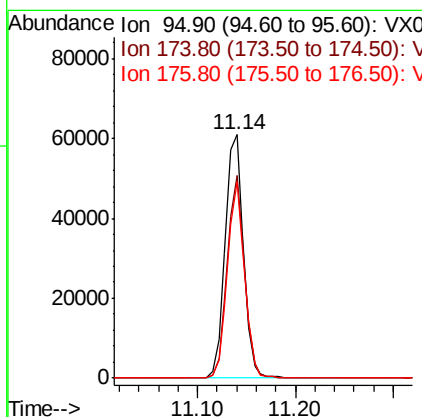
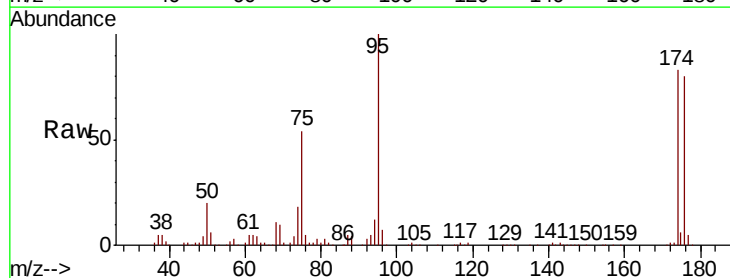
Instrument :
 MSVOA_X
 ClientSampleId :

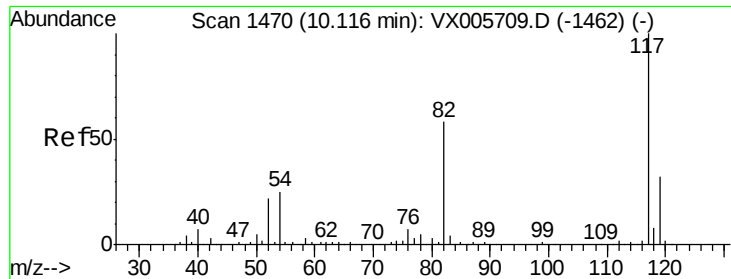
Tot Ion: 63 Resp: 81
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.3 31.9#



#62
 4-Bromofluorobenzene
 Concen: 43.228 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005721.D
 Acq: 01 Nov 2018 11:30

Tgt Ion: 95 Resp: 79243
 Ion Ratio Lower Upper
 95 100
 174 79.3 0.0 184.4
 176 75.8 0.0 177.4

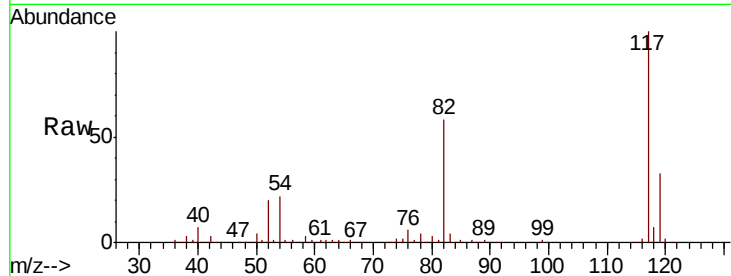




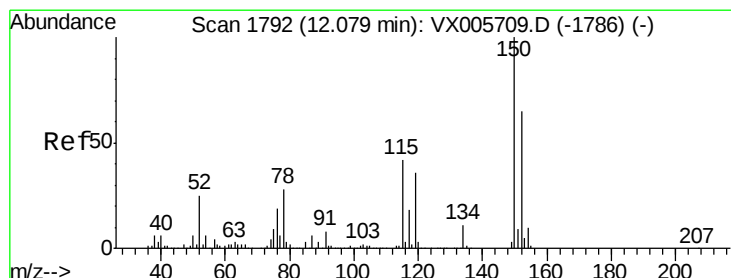
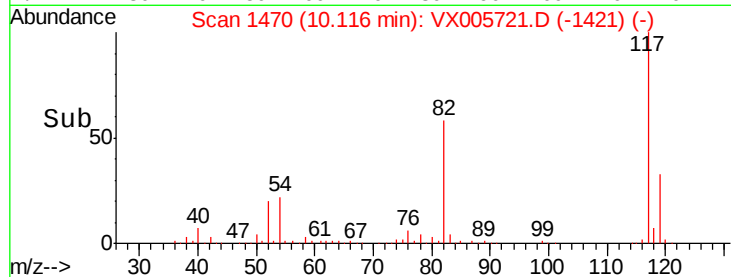
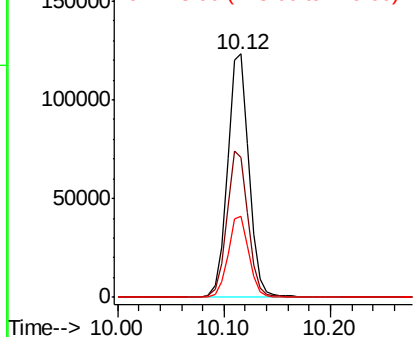
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005721.D
Acq: 01 Nov 2018 11:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 173610
Ion Ratio Lower Upper
117 100
82 57.5 44.1 66.1
119 33.2 26.2 39.2

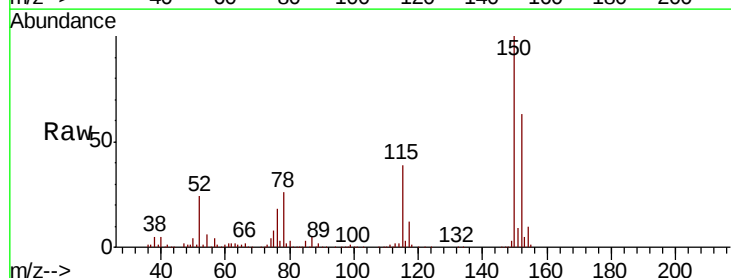


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

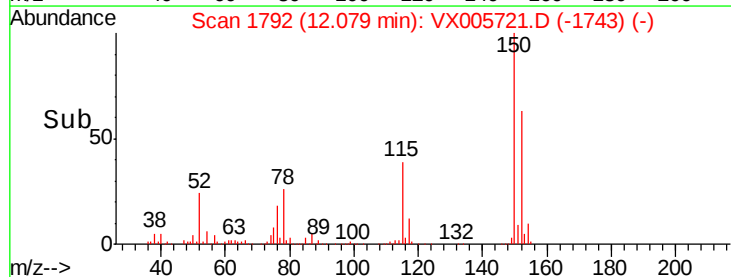
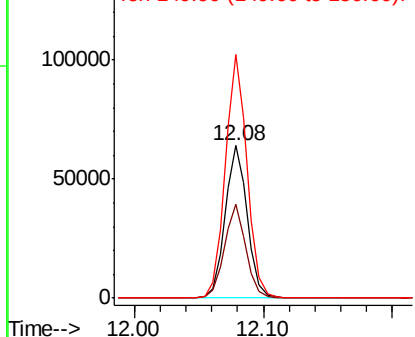


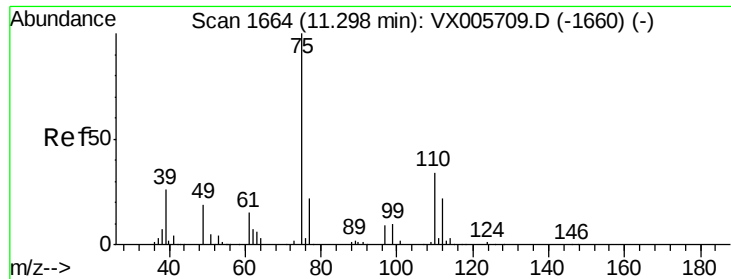
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005721.D
Acq: 01 Nov 2018 11:30

Tgt Ion:152 Resp: 76958
Ion Ratio Lower Upper
152 100
115 60.0 39.4 118.1
150 157.7 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: 21.652 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005721.D

Acq: 01 Nov 2018 11:30

Instrument :

MSVOA_X

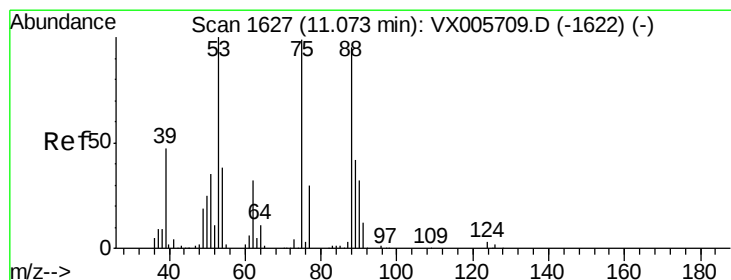
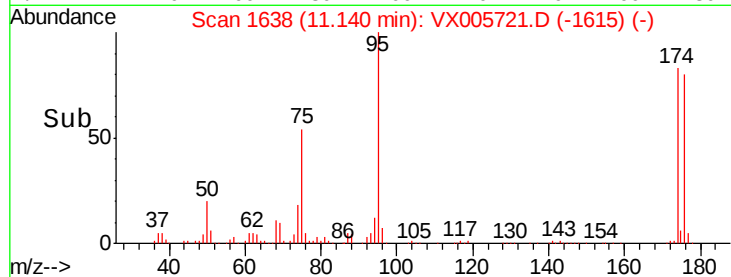
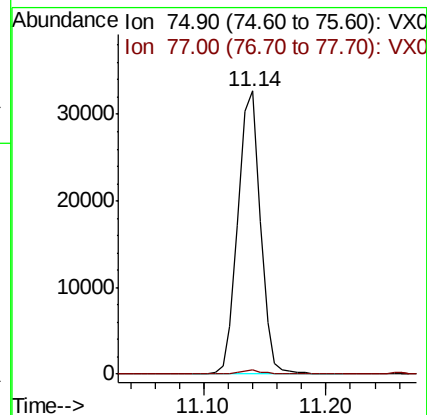
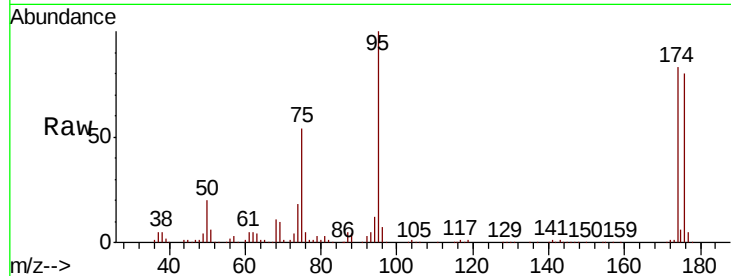
ClientSampleId :

Tot Ion: 75 Resp: 41502

Ion Ratio Lower Upper

75 100

77 1.4 20.5 61.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.958 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005721.D

Acq: 01 Nov 2018 11:30

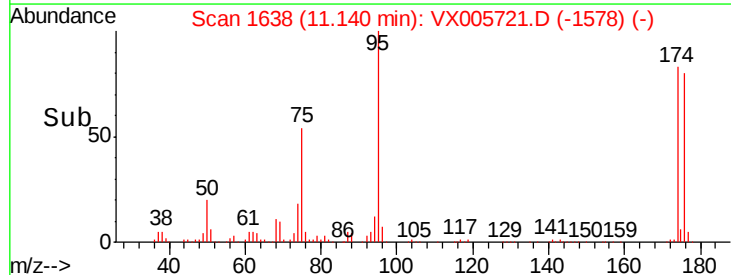
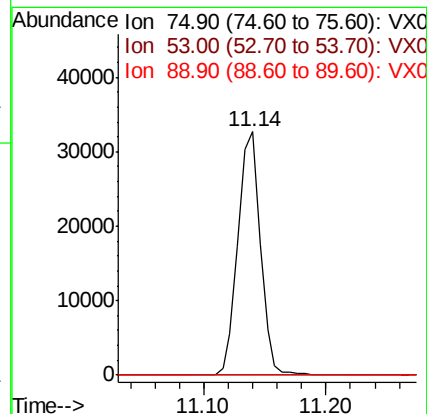
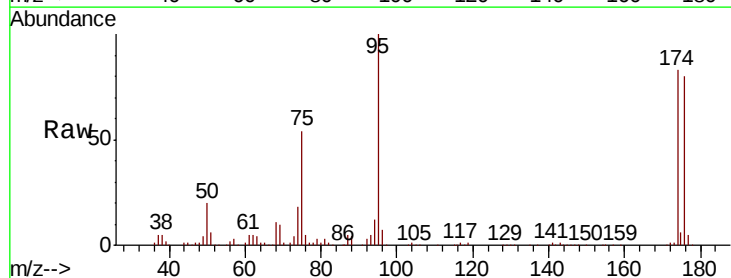
Tgt Ion: 75 Resp: 41502

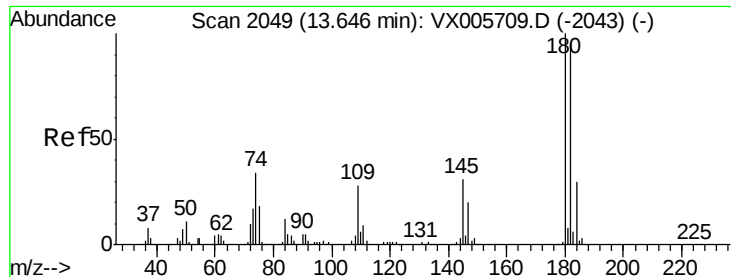
Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

89 0.1 39.8 59.8#

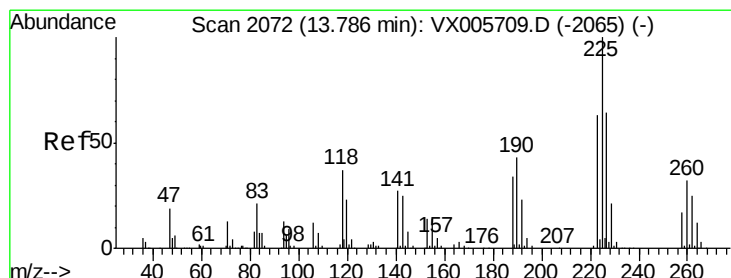
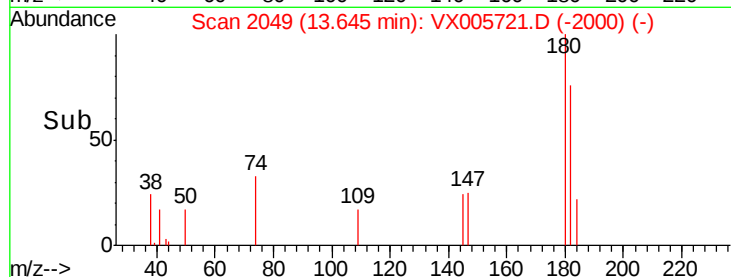
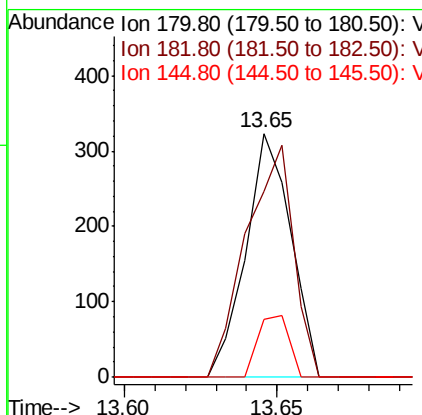
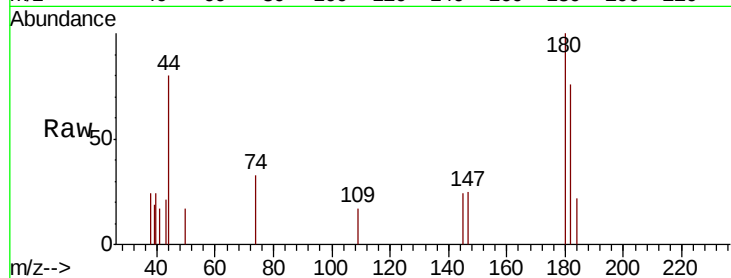




#93
 1,2,4-Trichlorobenzene
 Concen: 0.203 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005721.D
 Acq: 01 Nov 2018 11:30

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 331
 Ion Ratio Lower Upper
 180 100
 182 99.7 47.6 142.8
 145 17.5 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 0.223 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005721.D
 Acq: 01 Nov 2018 11:30

Tgt Ion:225 Resp: 176
 Ion Ratio Lower Upper
 225 100
 223 23.9 31.7 95.1#
 227 60.2 32.3 96.9

