

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110218\
 Data File : VX005745.D
 Acq On : 02 Nov 2018 10:12
 Operator : JC/MD
 Sample : VX1102MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1102MBL01

Quant Time: Nov 03 01:24:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	119047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	197676	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	168069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	72966	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	95965	55.14	ug/l	0.00
Spiked Amount			Recovery	=	110.28%	
35) Dibromofluoromethane	5.50	113	69362	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
50) Toluene-d8	8.71	98	237224	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	11.14	95	73119	41.27	ug/l	0.00
Spiked Amount			Recovery	=	82.54%	

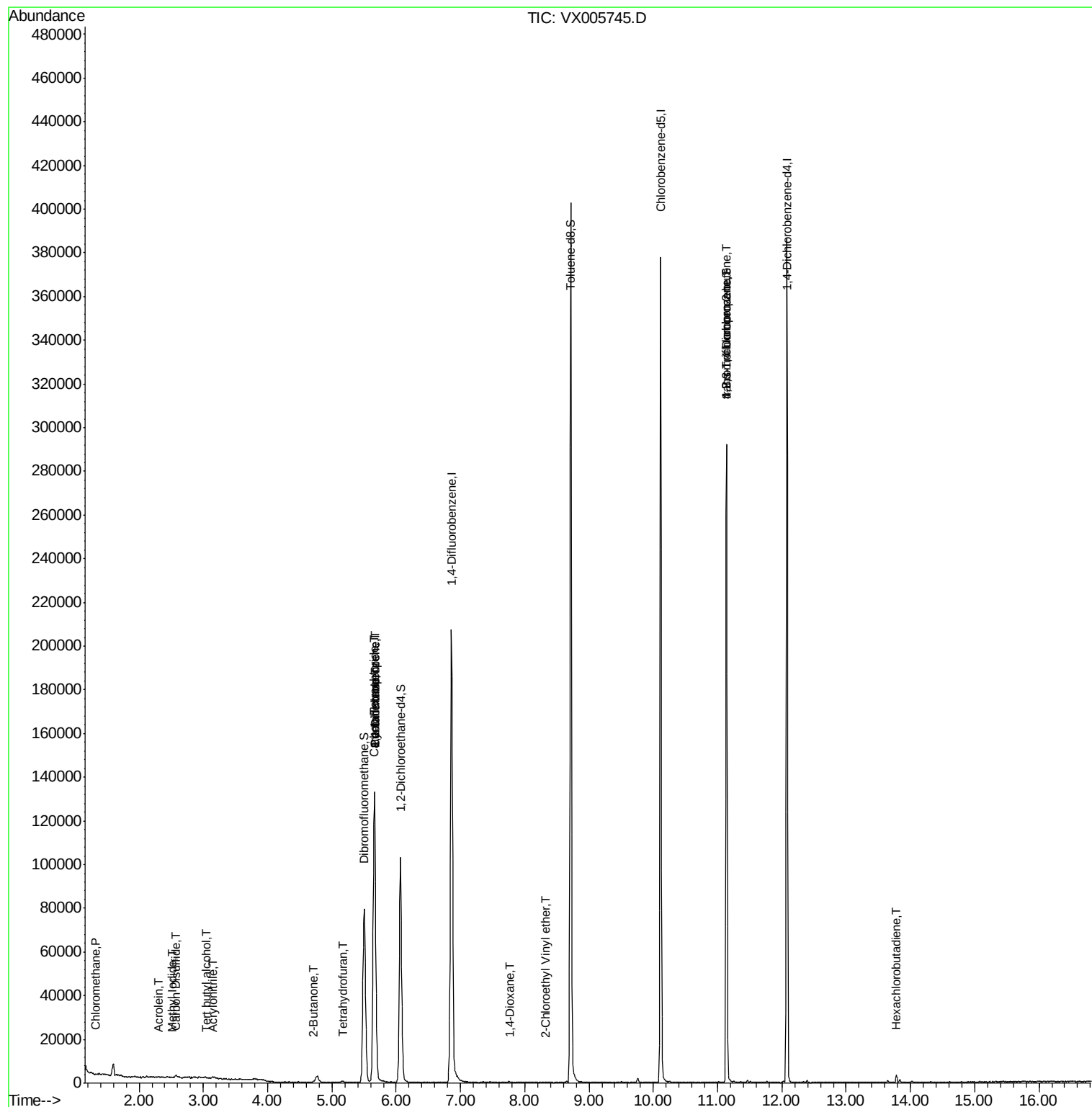
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	386	0.238	ug/l	90
6) Chloroethane	1.73	64	89	Below Cal	#	50
10) Methyl Iodide	2.51	142	22	1.957	ug/l #	39
11) Tert butyl alcohol	3.06	59	333	0.705	ug/l #	72
13) Acrolein	2.29	56	105	12.478	ug/l #	37
15) Acrylonitrile	3.15	53	475	0.457	ug/l #	70
16) Acetone	2.45	43	440	Below Cal	#	43
17) Carbon Disulfide	2.57	76	1028	0.261	ug/l #	89
25) 2-Butanone	4.70	43	334	0.227	ug/l #	51
29) Tetrahydrofuran	5.17	42	478	0.533	ug/l #	73
31) Cyclohexane	5.67	56	3239	1.393	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	10388	4.932	ug/l #	49
38) Carbon Tetrachloride	5.65	117	11824	6.214	ug/l #	16
49) 1,4-Dioxane	7.76	88	73	1.737	ug/l #	31
58) 2-Chloroethyl Vinyl ether	8.32	63	86	10.396	ug/l #	48
76) 1,2,3-Trichloropropane	11.14	75	39381	21.670	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	39381	70.014	ug/l #	9
94) Hexachlorobutadiene	13.78	225	586	0.783	ug/l	97

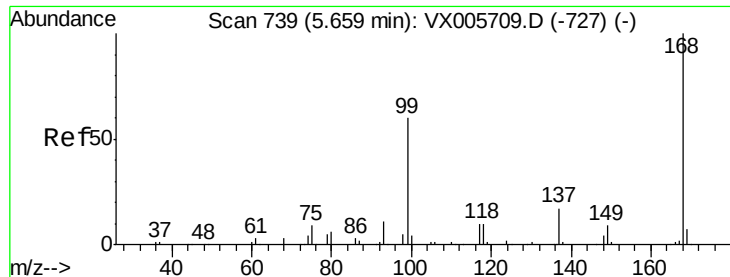
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005745.D

Acq: 02 Nov 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

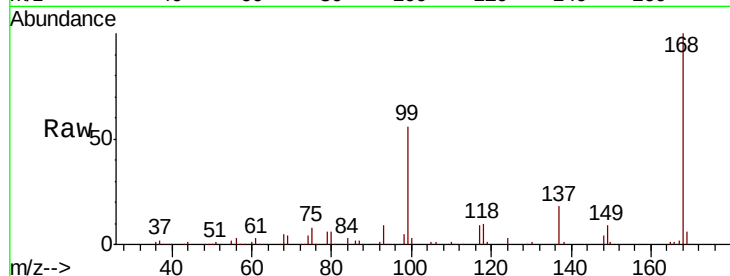
VX1102MBL01

Tot Ion:168 Resp: 119047

Ion Ratio Lower Upper

168 100

99 56.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

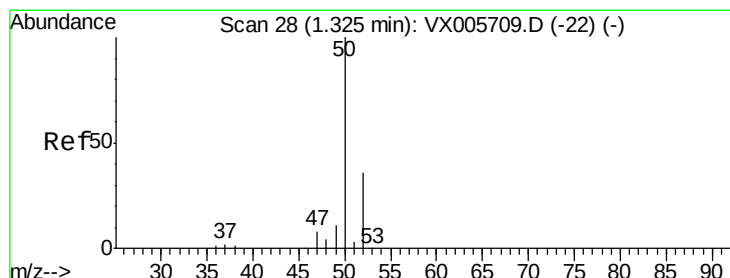
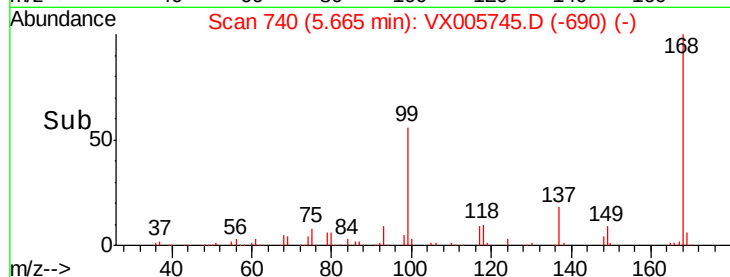
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.238 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005745.D

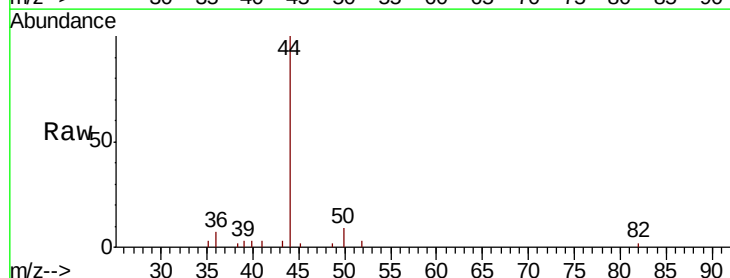
Acq: 02 Nov 2018 10:12

Tgt Ion: 50 Resp: 386

Ion Ratio Lower Upper

50 100

52 38.1 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

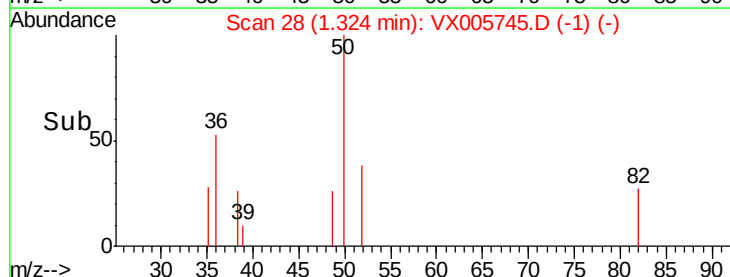
150

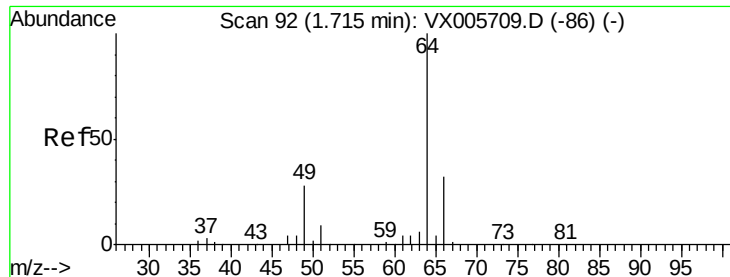
100

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: VX005745.D

Acq: 02 Nov 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

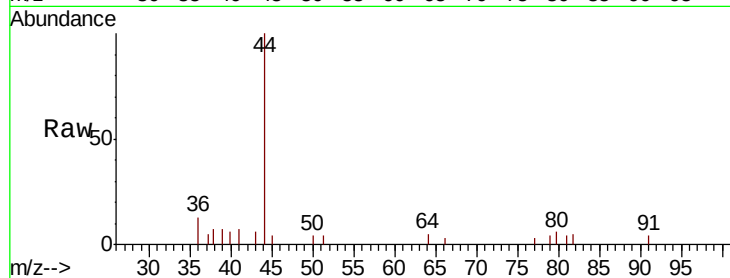
VX1102MBL01

Tot Ion: 64 Resp: 89

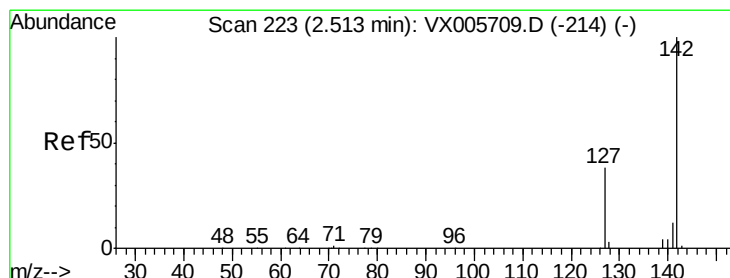
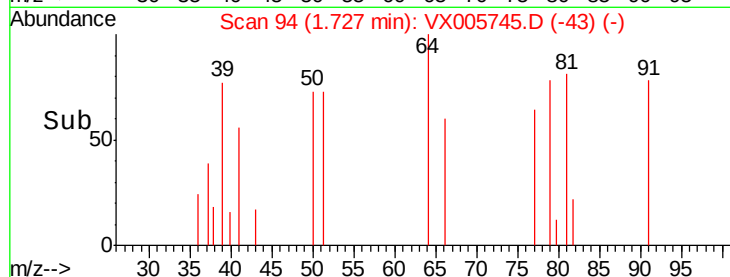
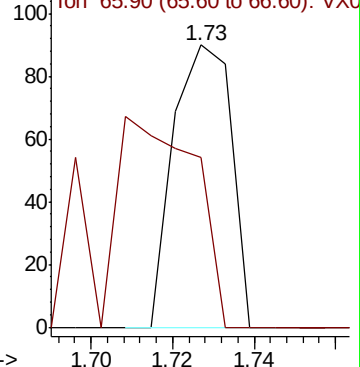
Ion Ratio Lower Upper

64 100

66 60.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX005709.D (-86) (-)



#10

Methyl Iodide

Concen: 1.957 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.01 min

Lab File: VX005745.D

Acq: 02 Nov 2018 10:12

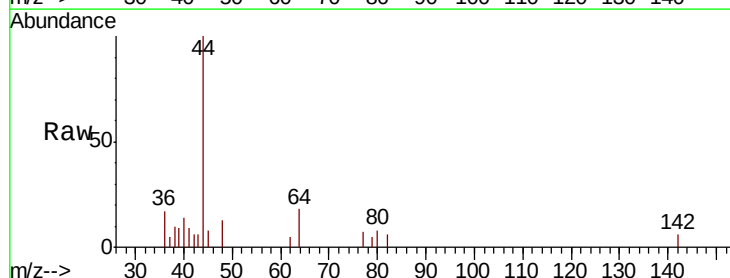
Tgt Ion: 142 Resp: 22

Ion Ratio Lower Upper

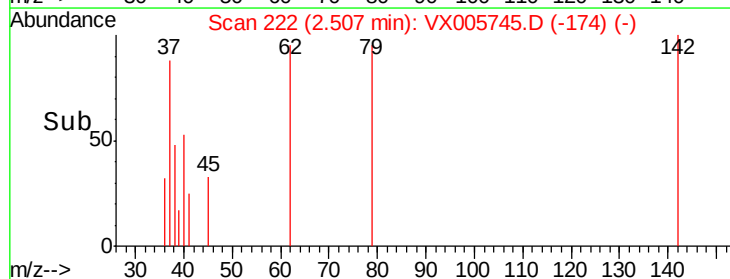
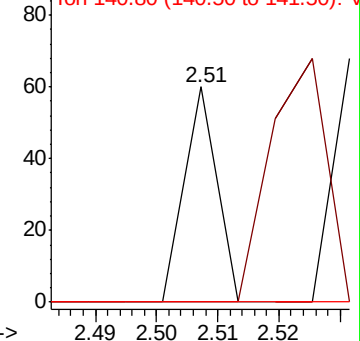
142 100

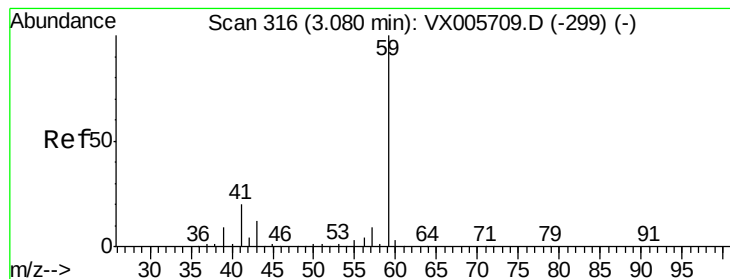
127 0.0 36.0 54.0#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): VX005745.D (-174) (-)





#11

Tert butyl alcohol

Concen: 0.705 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX005745.D

Acq: 02 Nov 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

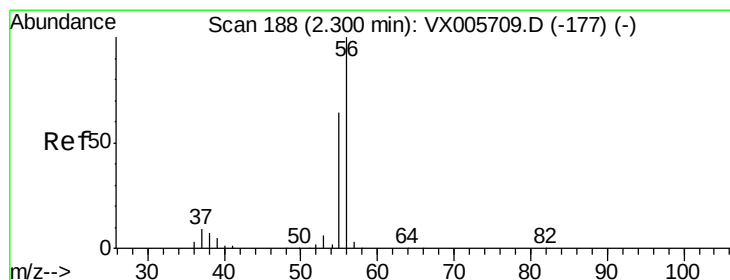
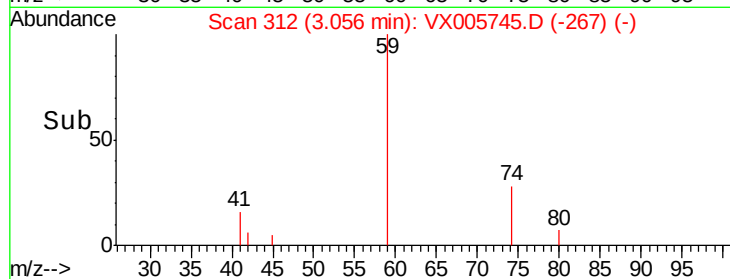
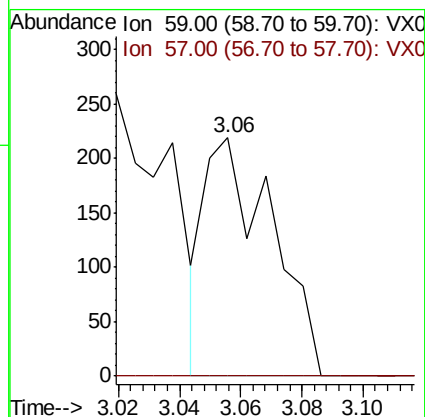
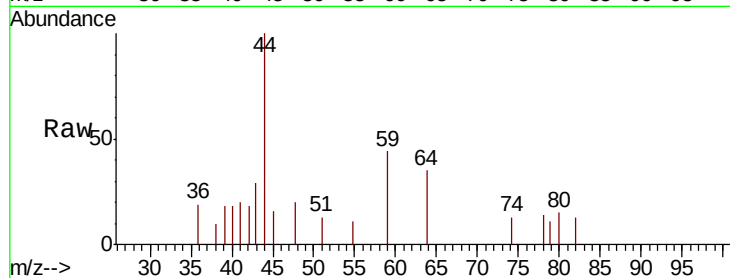
VX1102MBL01

Tot Ion: 59 Resp: 333

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 12.478 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX005745.D

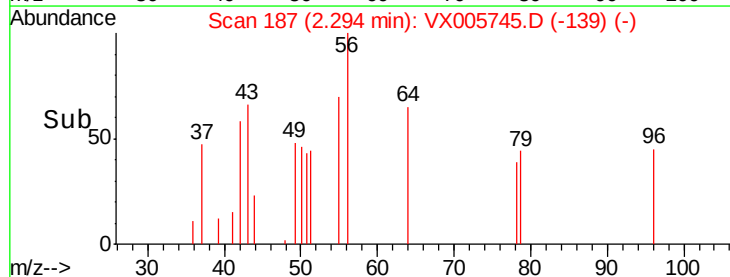
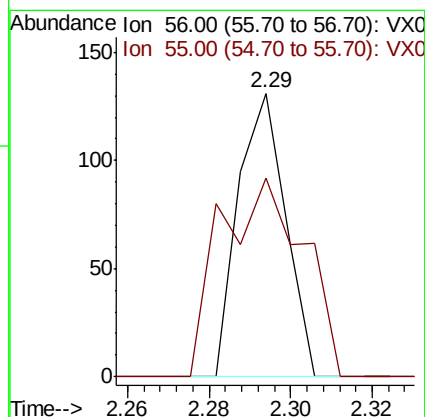
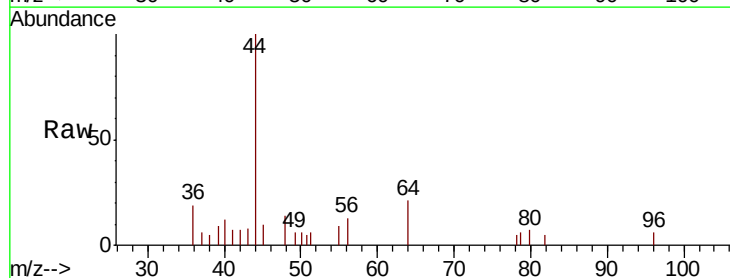
Acq: 02 Nov 2018 10:12

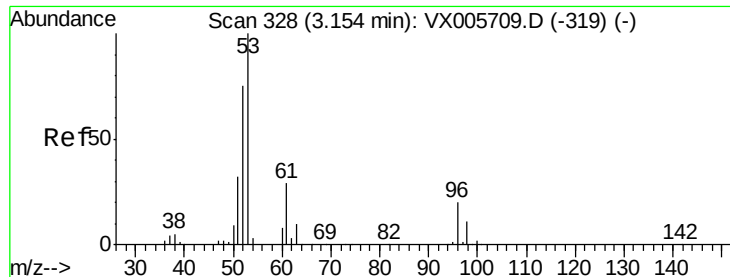
Tgt Ion: 56 Resp: 105

Ion Ratio Lower Upper

56 100

55 123.8 57.3 85.9#





#15

Acrylonitrile

Concen: 0.457 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX005745.D

Acq: 02 Nov 2018 10:12

Instrument :

MSVOA_X

ClientSampled :

VX1102MBL01

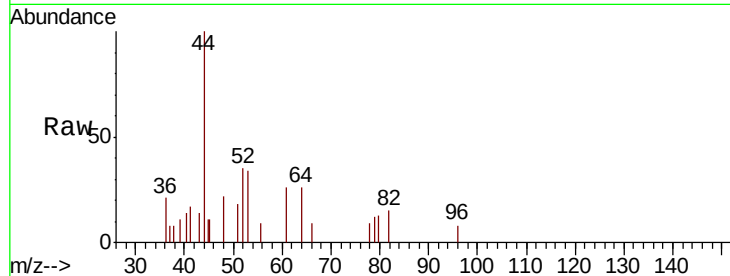
Tot Ion: 53 Resp: 475

Ion Ratio Lower Upper

53 100

52 90.7 66.6 99.8

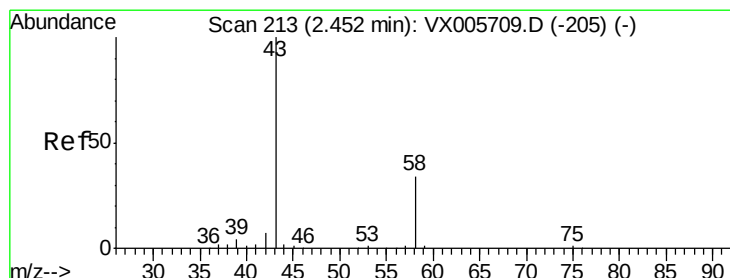
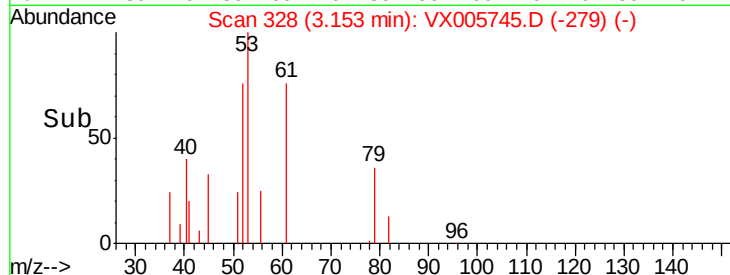
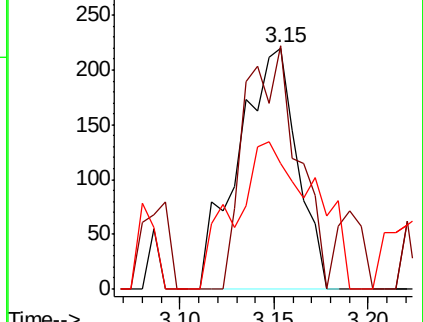
51 83.2 28.4 42.6#



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: VX005745.D

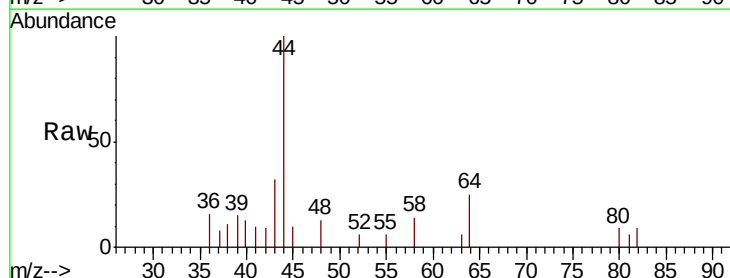
Acq: 02 Nov 2018 10:12

Tgt Ion: 43 Resp: 440

Ion Ratio Lower Upper

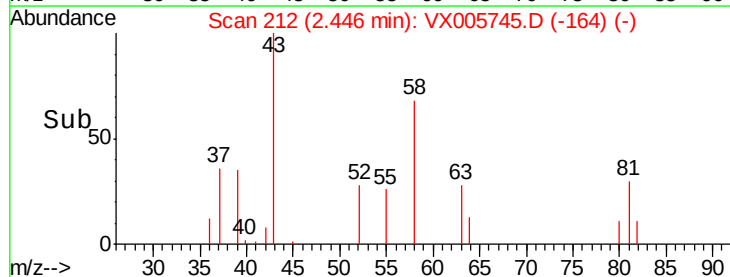
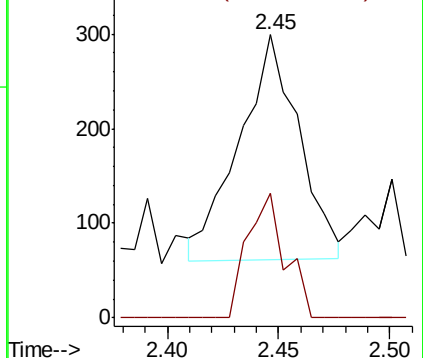
43 100

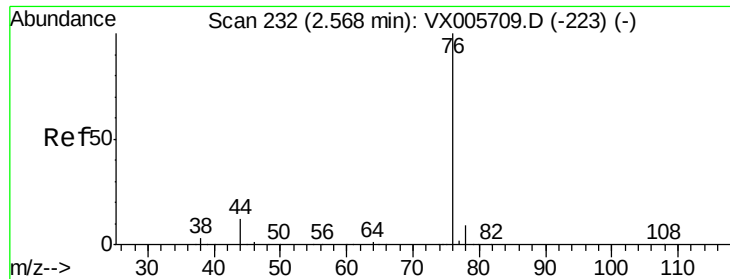
58 60.6 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

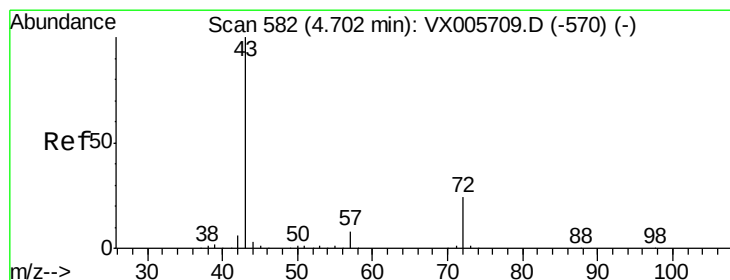
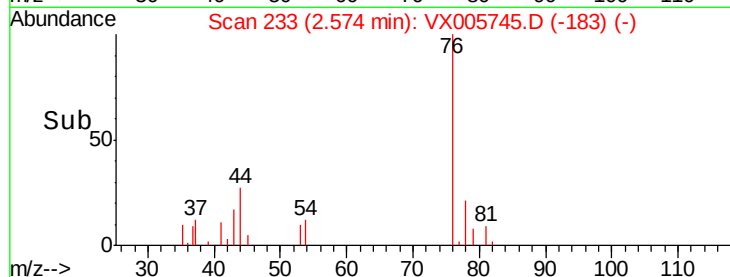
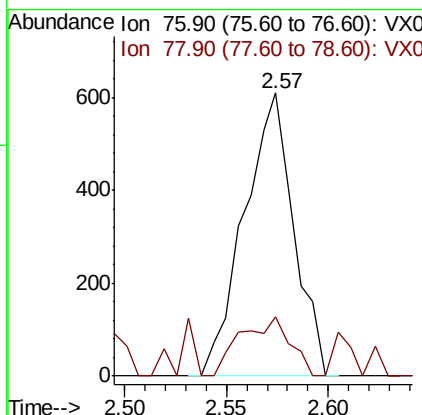
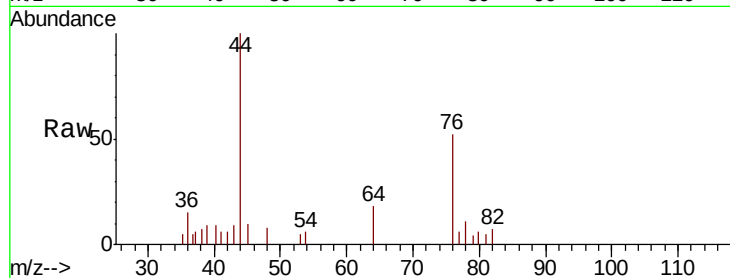




#17
Carbon Disulfide
Concen: 0.261 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX005745.D
Acq: 02 Nov 2018 10:12

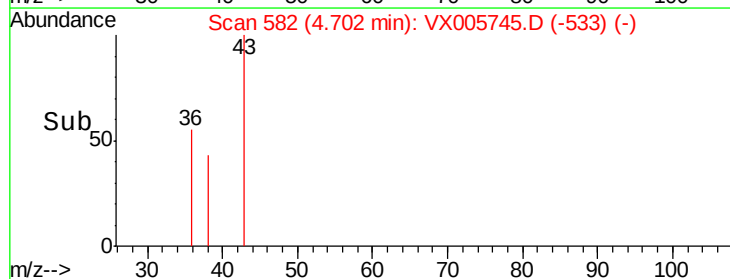
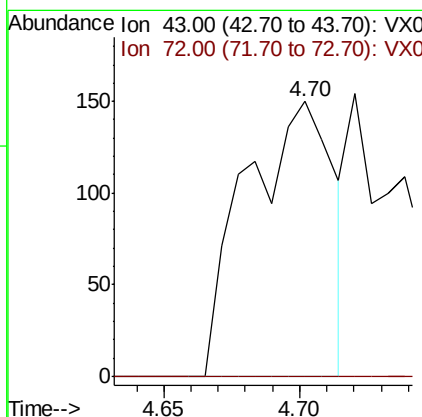
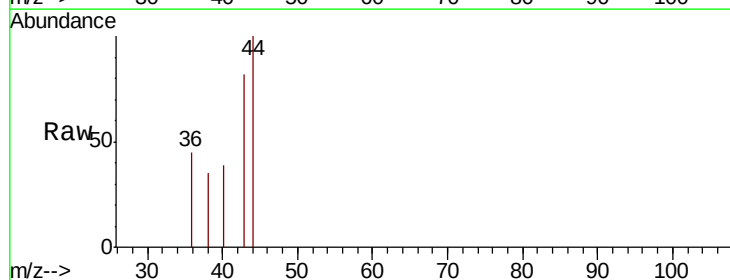
Instrument :
MSVOA_X
ClientSampleId :
VX1102MBL01

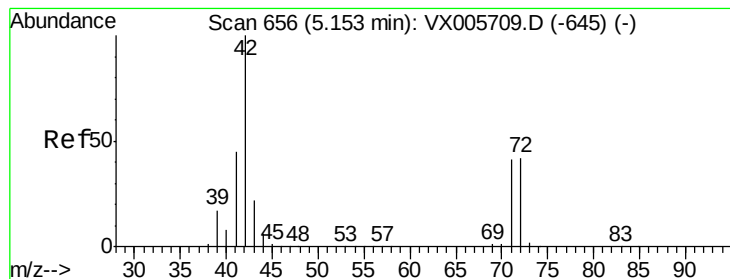
Tot Ion: 76 Resp: 1028
Ion Ratio Lower Upper
76 100
78 5.1 7.3 10.9#



#25
2-Butanone
Concen: 0.227 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX005745.D
Acq: 02 Nov 2018 10:12

Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#





#29

Tetrahydrofuran

Concen: 0.533 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005745.D

Acq: 02 Nov 2018 10:12

Instrument :

MSVOA_X

ClientSampled :

VX1102MBL01

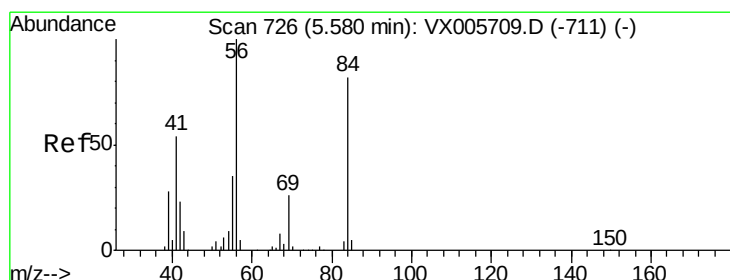
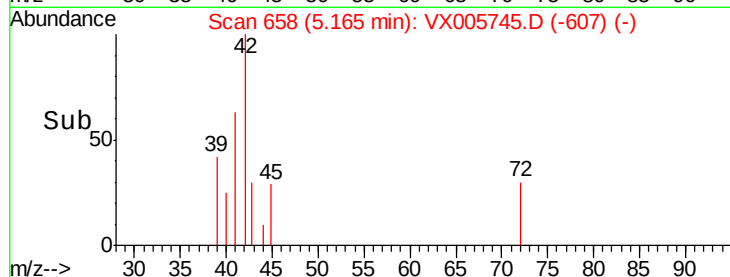
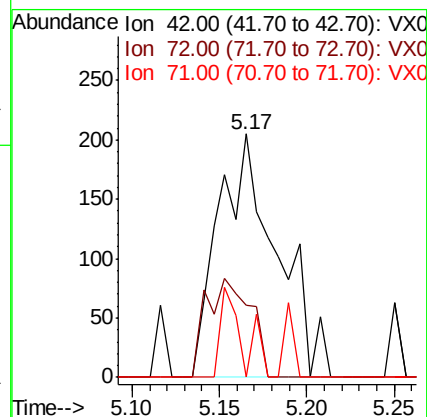
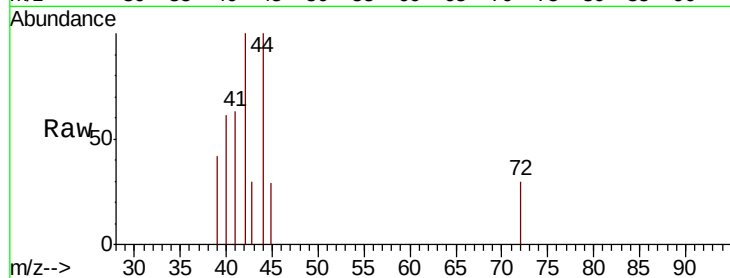
Tot Ion: 42 Resp: 478

Ion Ratio Lower Upper

42 100

72 30.8 32.0 48.0#

71 13.8 29.8 44.8#



#31

Cyclohexane

Concen: 1.393 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005745.D

Acq: 02 Nov 2018 10:12

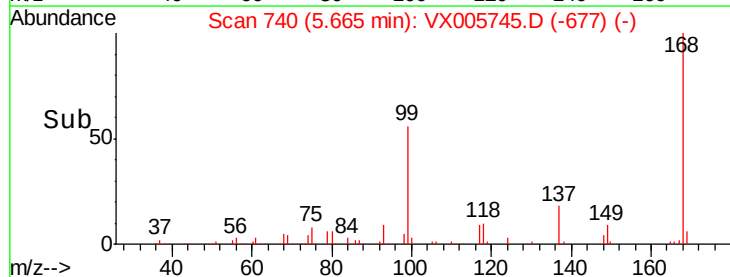
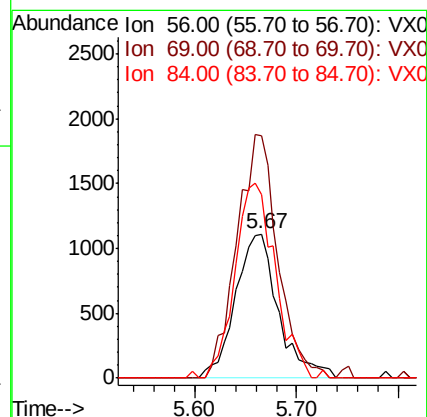
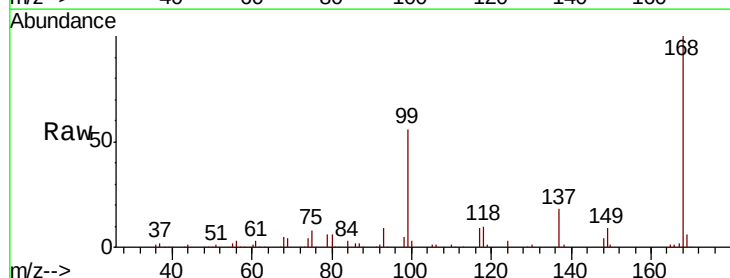
Tgt Ion: 56 Resp: 3239

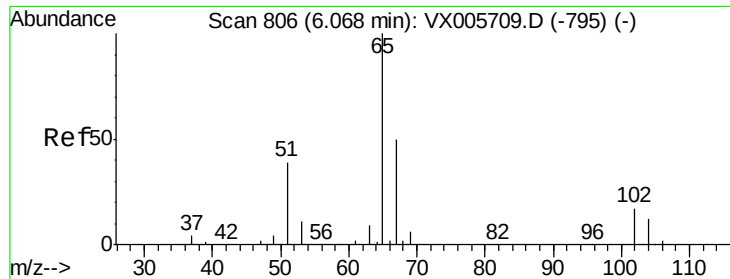
Ion Ratio Lower Upper

56 100

69 168.4 22.6 34.0#

84 127.0 62.7 94.1#

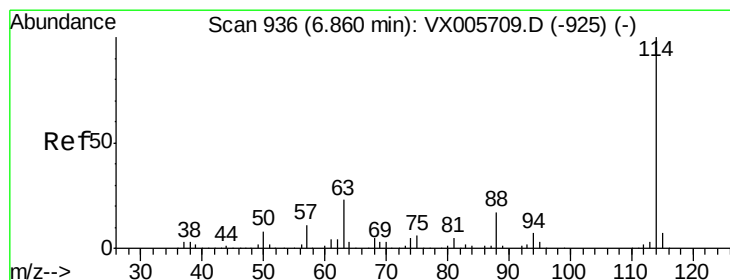
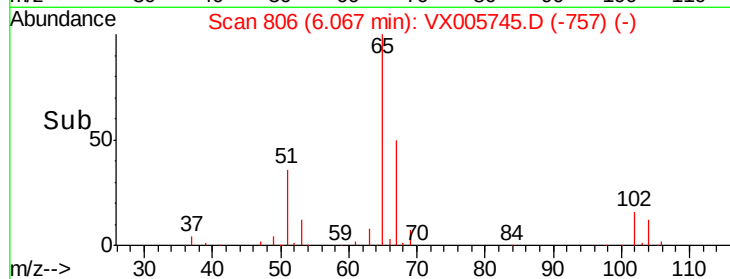
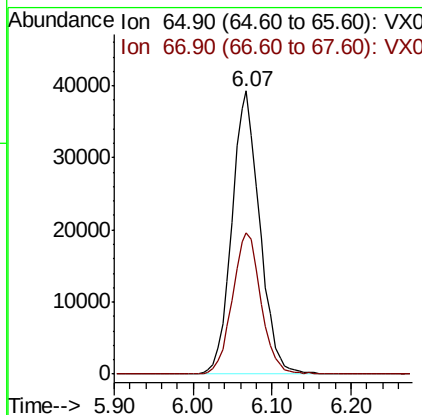
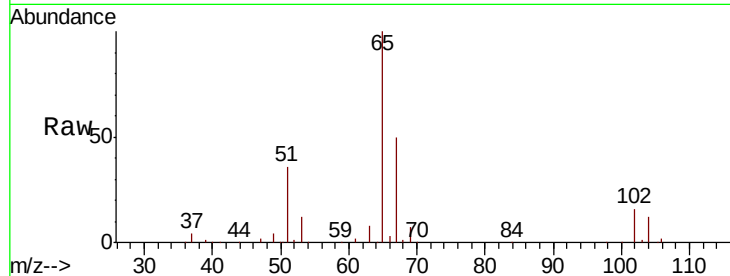




#33
 1,2-Dichloroethane-d4
 Concen: 55.137 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005745.D
 Acq: 02 Nov 2018 10:12

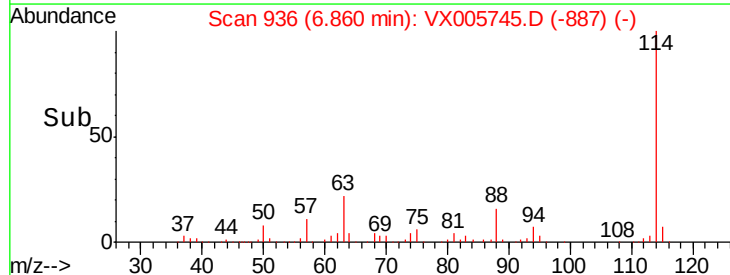
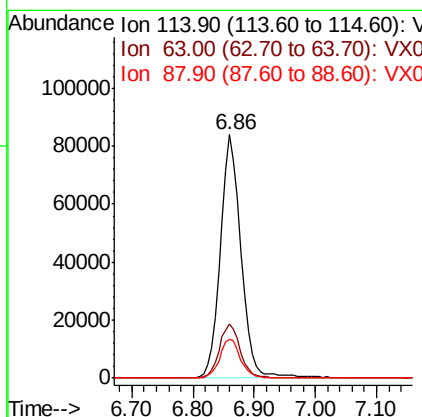
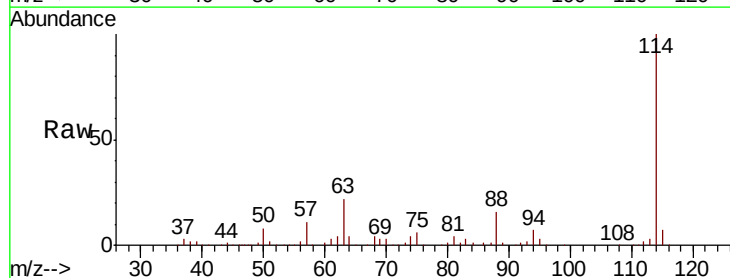
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1102MBL01

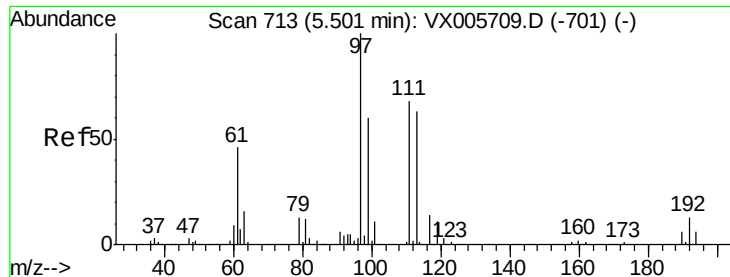
Tot Ion: 65 Resp: 95965
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005745.D
 Acq: 02 Nov 2018 10:12

Tgt Ion: 114 Resp: 197676
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 42.8
 88 16.0 0.0 31.2

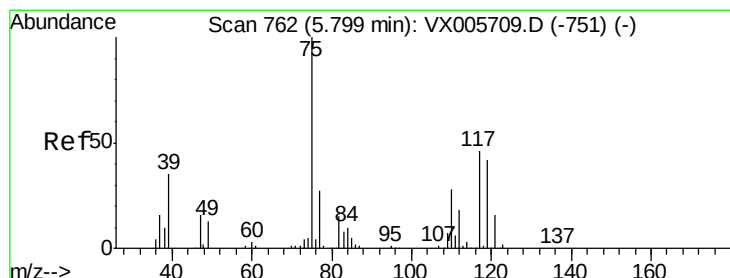
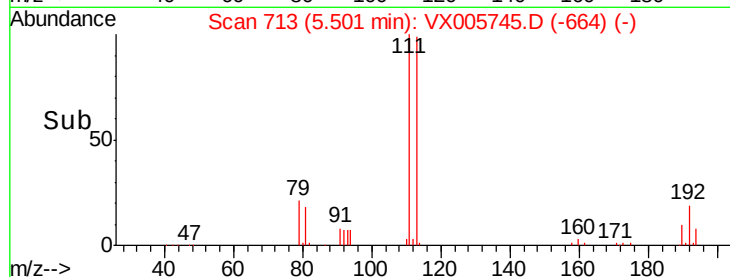
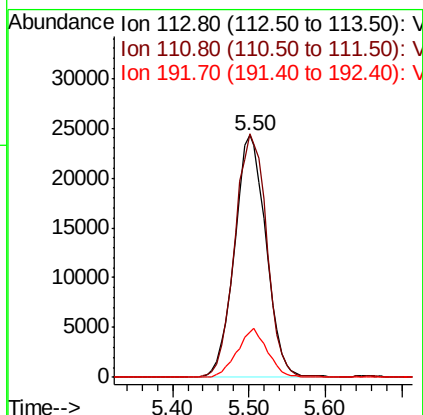
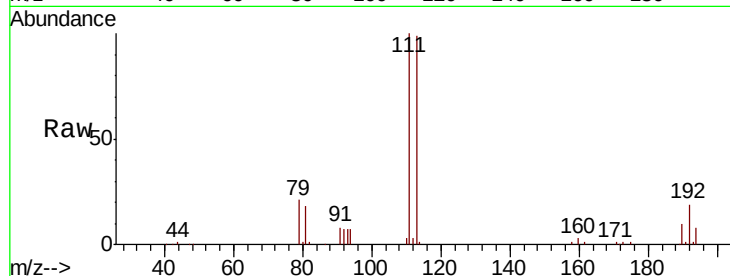




#35
 Dibromofluoromethane
 Concen: 50.676 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005745.D
 Acq: 02 Nov 2018 10:12

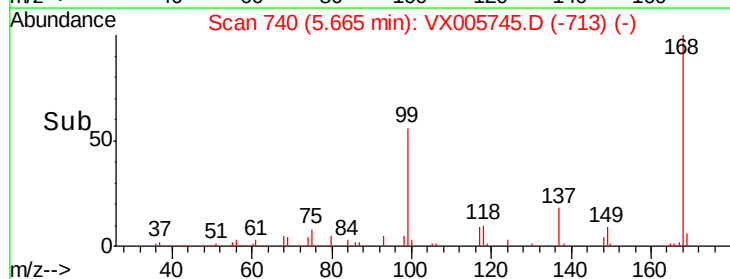
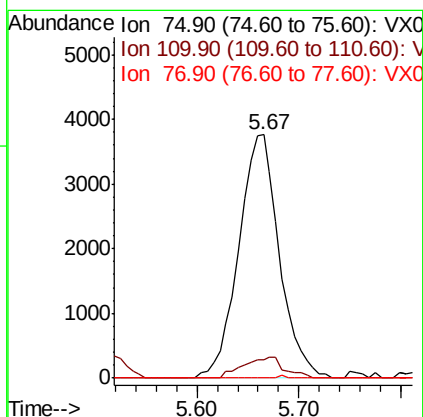
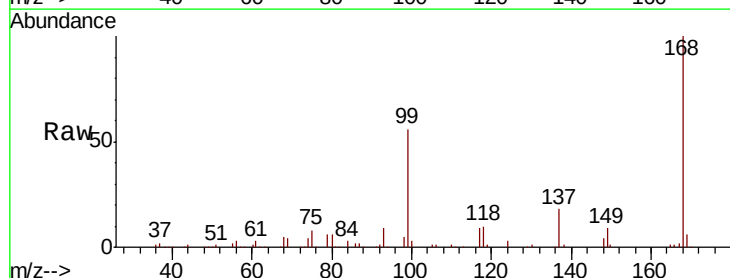
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1102MBL01

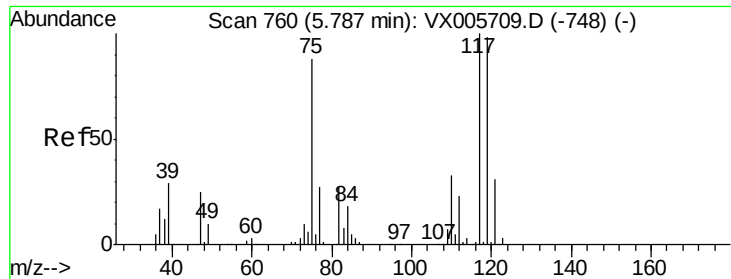
Tot Ion:113 Resp: 69362
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.3 123.5
 192 19.4 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.932 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005745.D
 Acq: 02 Nov 2018 10:12

Tgt Ion: 75 Resp: 10388
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.4 52.2#
 77 0.2 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.214 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX005745.D

Acq: 02 Nov 2018 10:12

Instrument :

MSVOA_X

ClientSampled :

VX1102MBL01

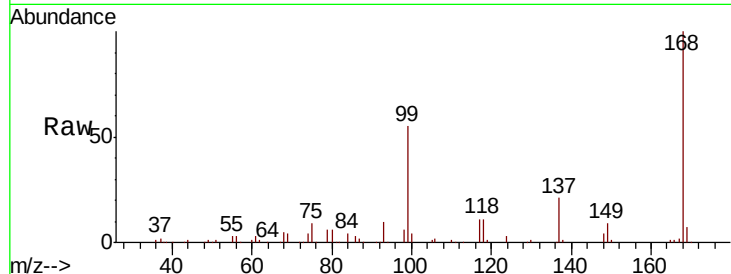
Tot Ion:117 Resp: 11824

Ion Ratio Lower Upper

117 100

119 6.2 78.1 117.1#

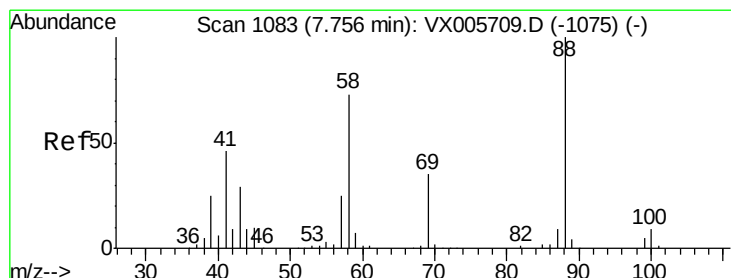
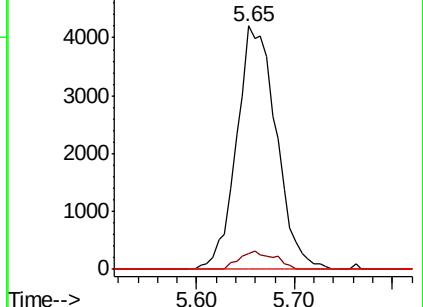
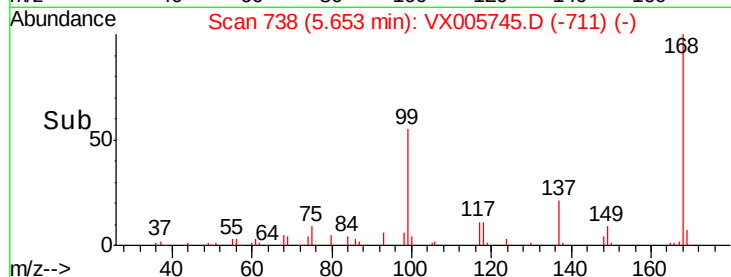
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 1.737 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX005745.D

Acq: 02 Nov 2018 10:12

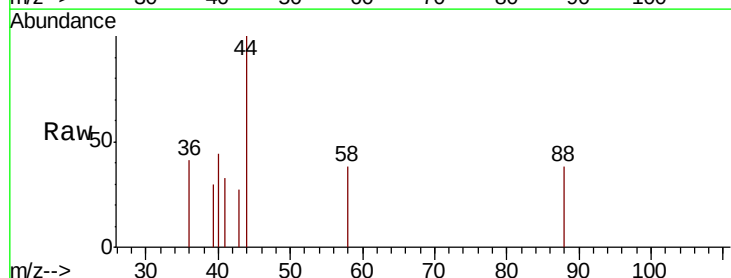
Tgt Ion: 88 Resp: 73

Ion Ratio Lower Upper

88 100

43 102.7 27.4 41.0#

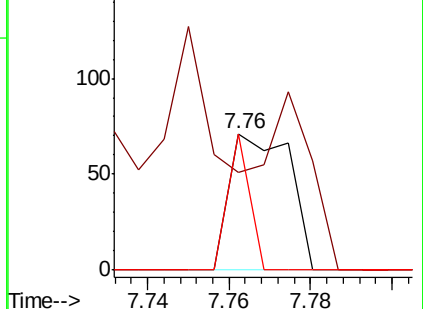
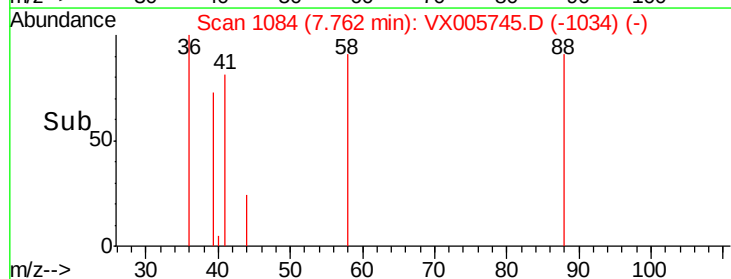
58 35.6 59.4 89.2#

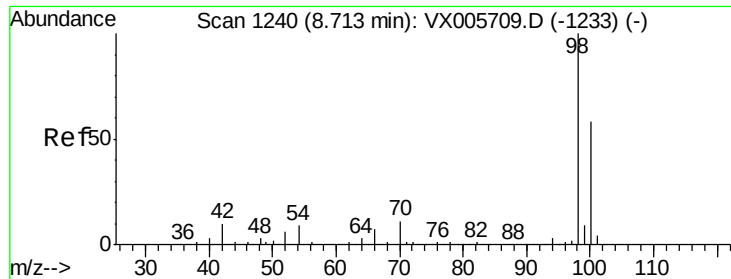


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

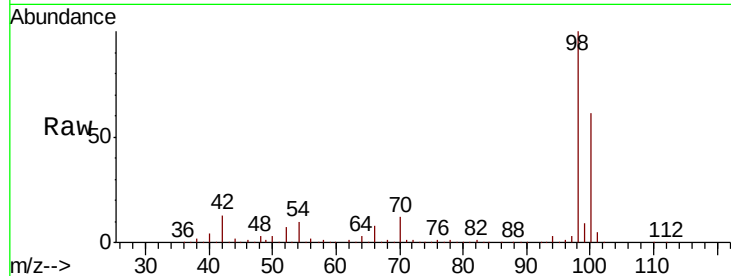




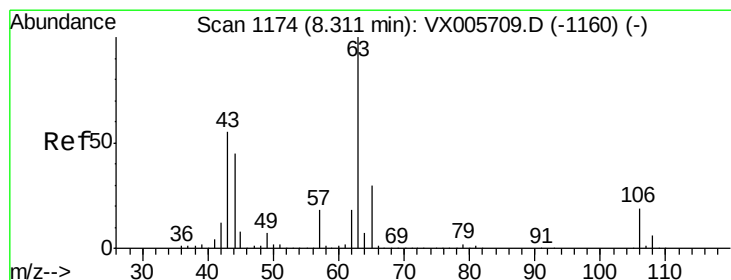
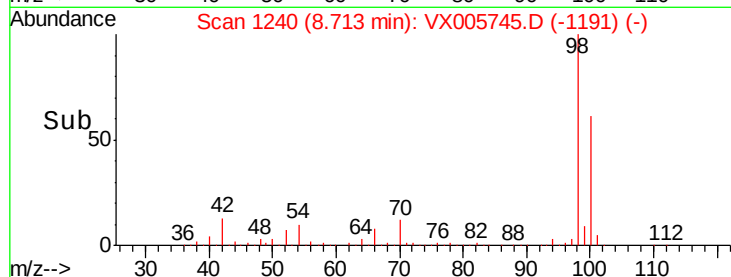
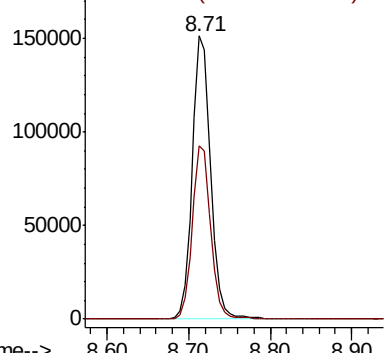
#50
Toluene-d8
Concen: 49.416 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005745.D
Acq: 02 Nov 2018 10:12

Instrument :
MSVOA_X
ClientSampleId :
VX1102MBL01

Tot Ion: 98 Resp: 237224
Ion Ratio Lower Upper
98 100
100 61.4 51.3 76.9

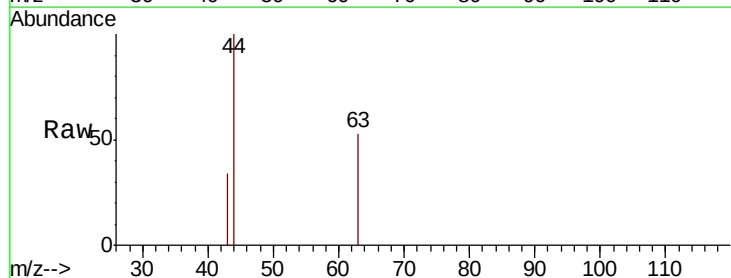


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

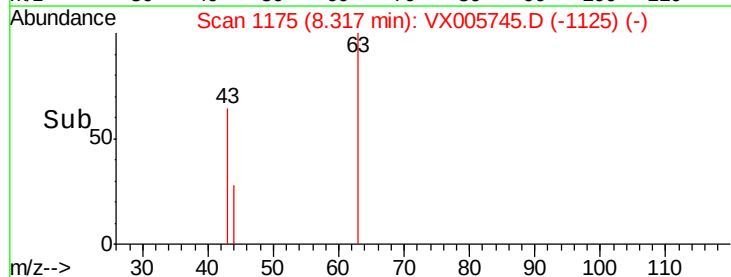
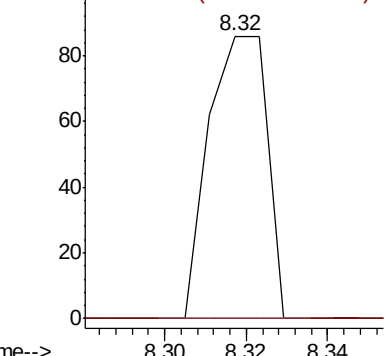


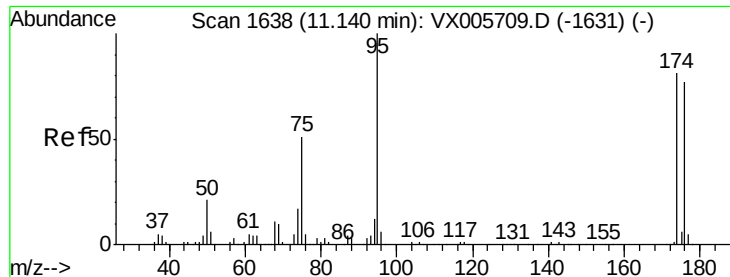
#58
2-Chloroethyl Vinyl ether
Concen: 10.396 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VX005745.D
Acq: 02 Nov 2018 10:12

Tgt Ion: 63 Resp: 86
Ion Ratio Lower Upper
63 100
106 0.0 21.3 31.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 41.269 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005745.D

Acq: 02 Nov 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VX1102MBL01

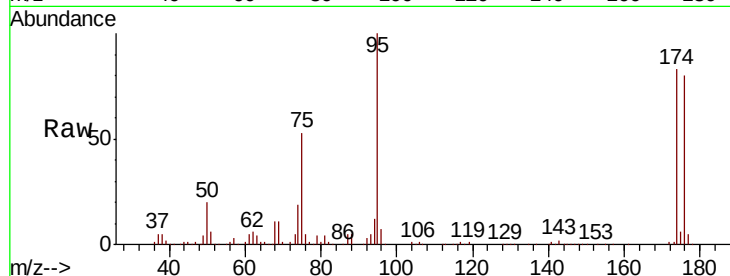
Tot Ion: 95 Resp: 73119

Ion Ratio Lower Upper

95 100

174 81.2 0.0 184.4

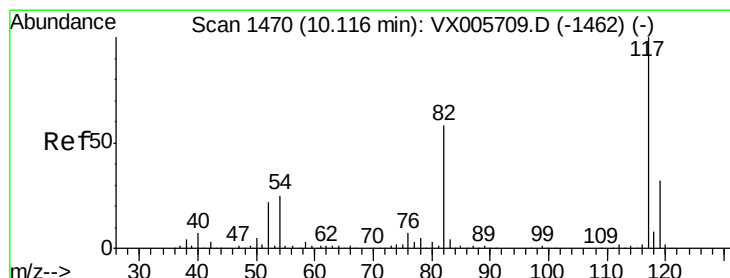
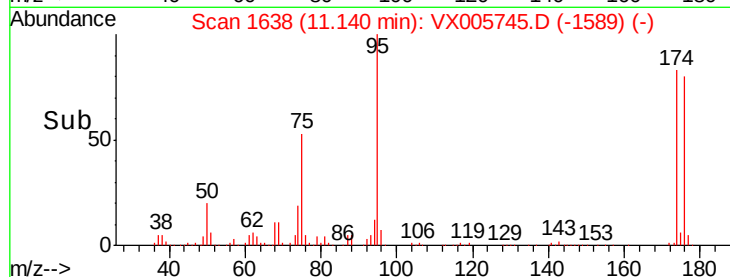
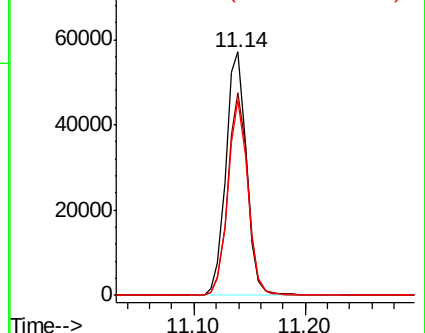
176 77.4 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX005709.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005709.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005709.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005745.D

Acq: 02 Nov 2018 10:12

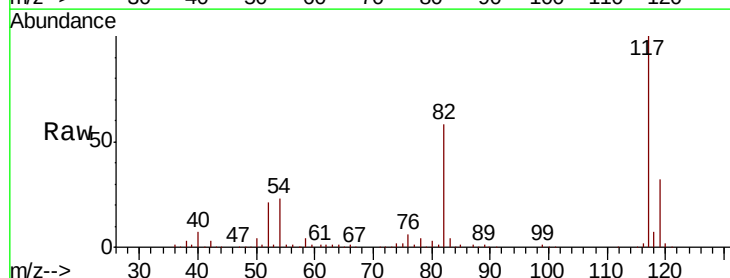
Tgt Ion: 117 Resp: 168069

Ion Ratio Lower Upper

117 100

82 58.1 44.1 66.1

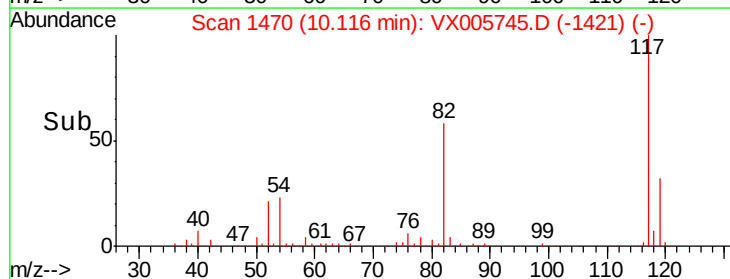
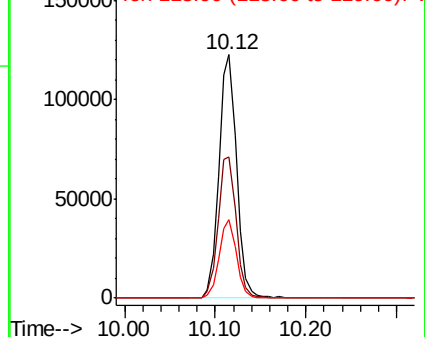
119 32.0 26.2 39.2

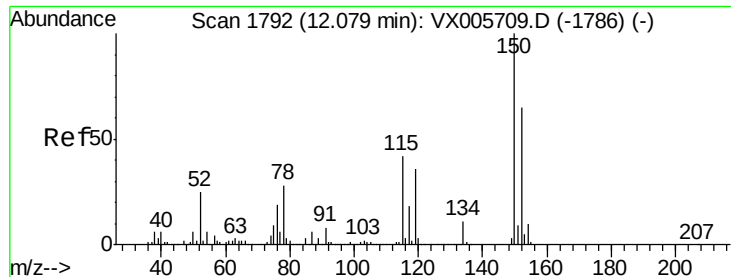


Abundance Ion 116.90 (116.60 to 117.60): VX005709.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005709.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005709.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005745.D

Acq: 02 Nov 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VX1102MBL01

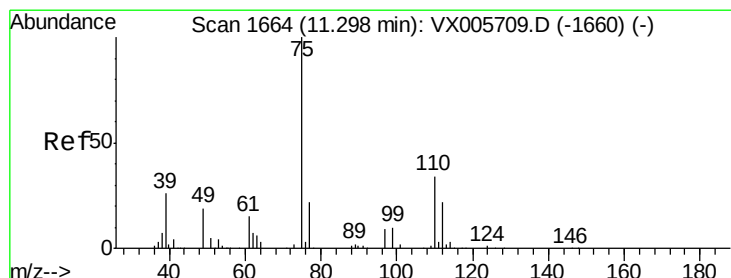
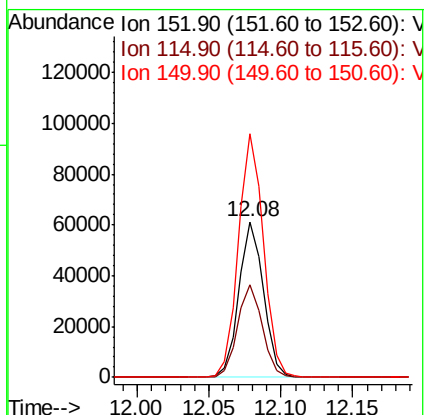
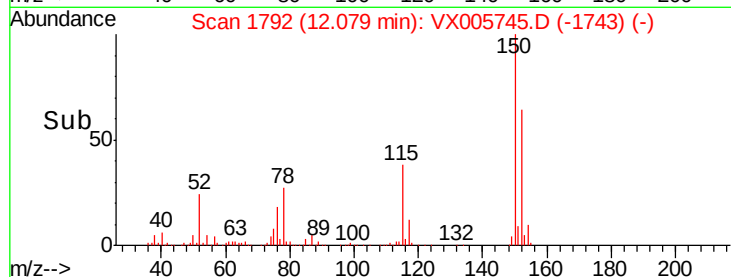
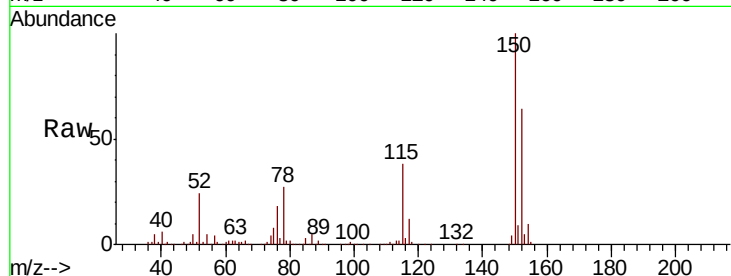
Tot Ion:152 Resp: 72966

Ion Ratio Lower Upper

152 100

115 59.7 39.4 118.1

150 159.1 0.0 346.4



#76

1,2,3-Trichloropropane

Concen: 21.670 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005745.D

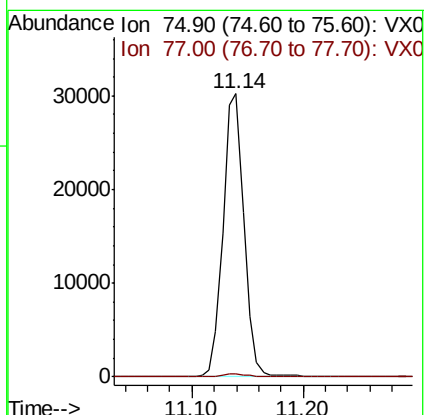
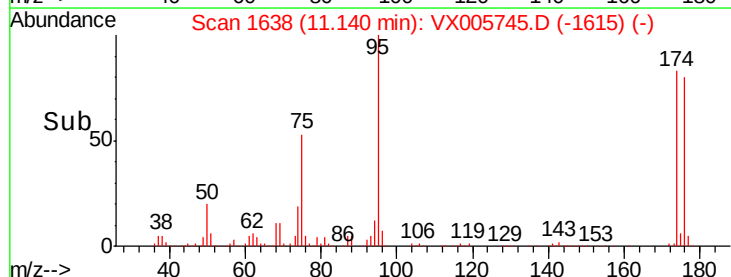
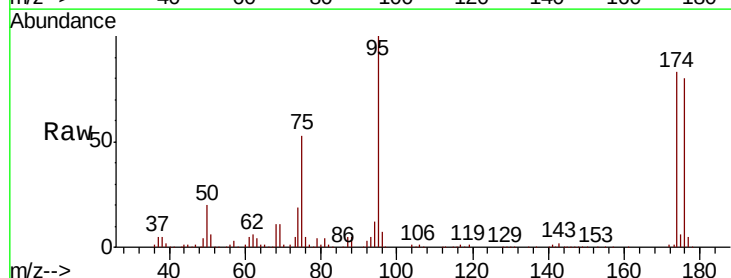
Acq: 02 Nov 2018 10:12

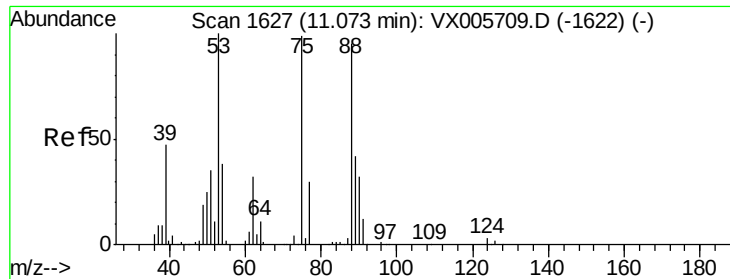
Tgt Ion: 75 Resp: 39381

Ion Ratio Lower Upper

75 100

77 1.2 20.5 61.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 70.014 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005745.D

Acq: 02 Nov 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VX1102MBL01

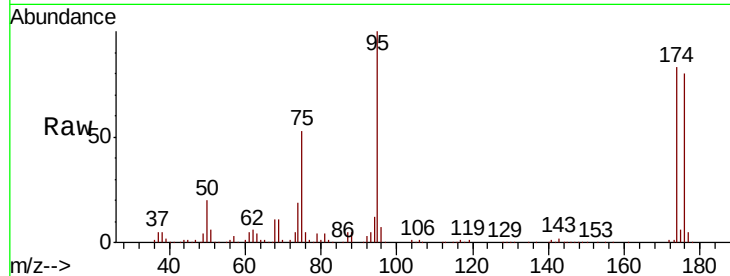
Tot Ion: 75 Resp: 39381

Ion Ratio Lower Upper

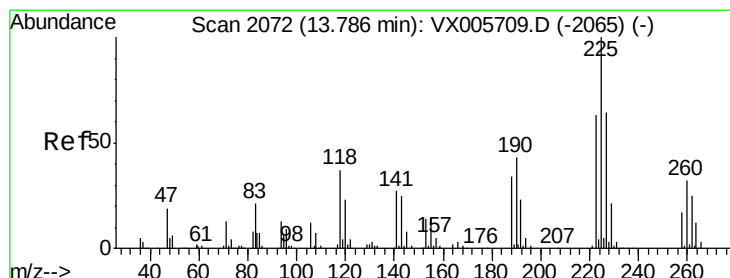
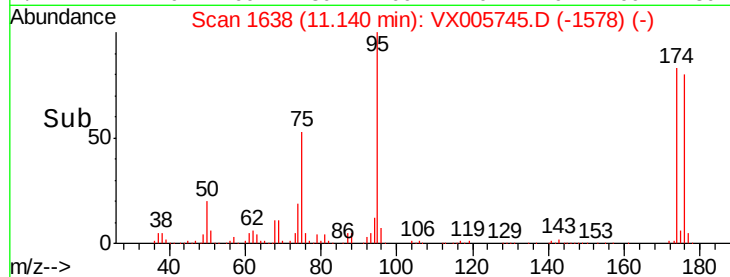
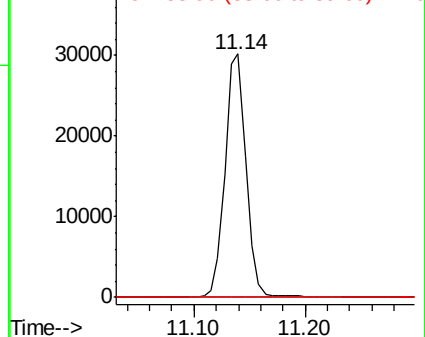
75 100

53 0.3 80.2 120.2#

89 0.1 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



#94

Hexachlorobutadiene

Concen: 0.783 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VX005745.D

Acq: 02 Nov 2018 10:12

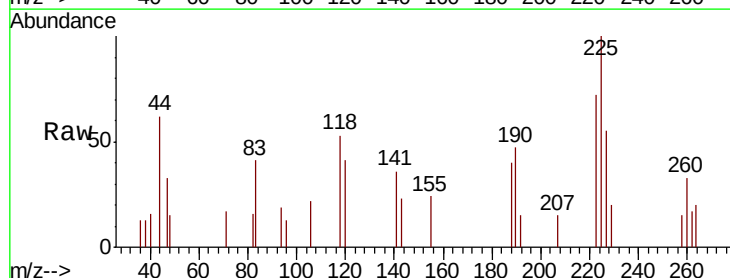
Tgt Ion: 225 Resp: 586

Ion Ratio Lower Upper

225 100

223 64.0 31.7 95.1

227 61.3 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

