

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017121.D
 Acq On : 02 Jul 2020 00:44
 Operator : JC/SP
 Sample : L3159-08 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 54BR-20200629

Quant Time: Jul 02 01:43:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	216064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	368500	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	374348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	202153	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	141577	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
35) Dibromofluoromethane	5.47	113	120739	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
50) Toluene-d8	8.70	98	442205	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	11.12	95	185101	54.93	ug/l	0.00
Spiked Amount			Recovery	=	109.86%	

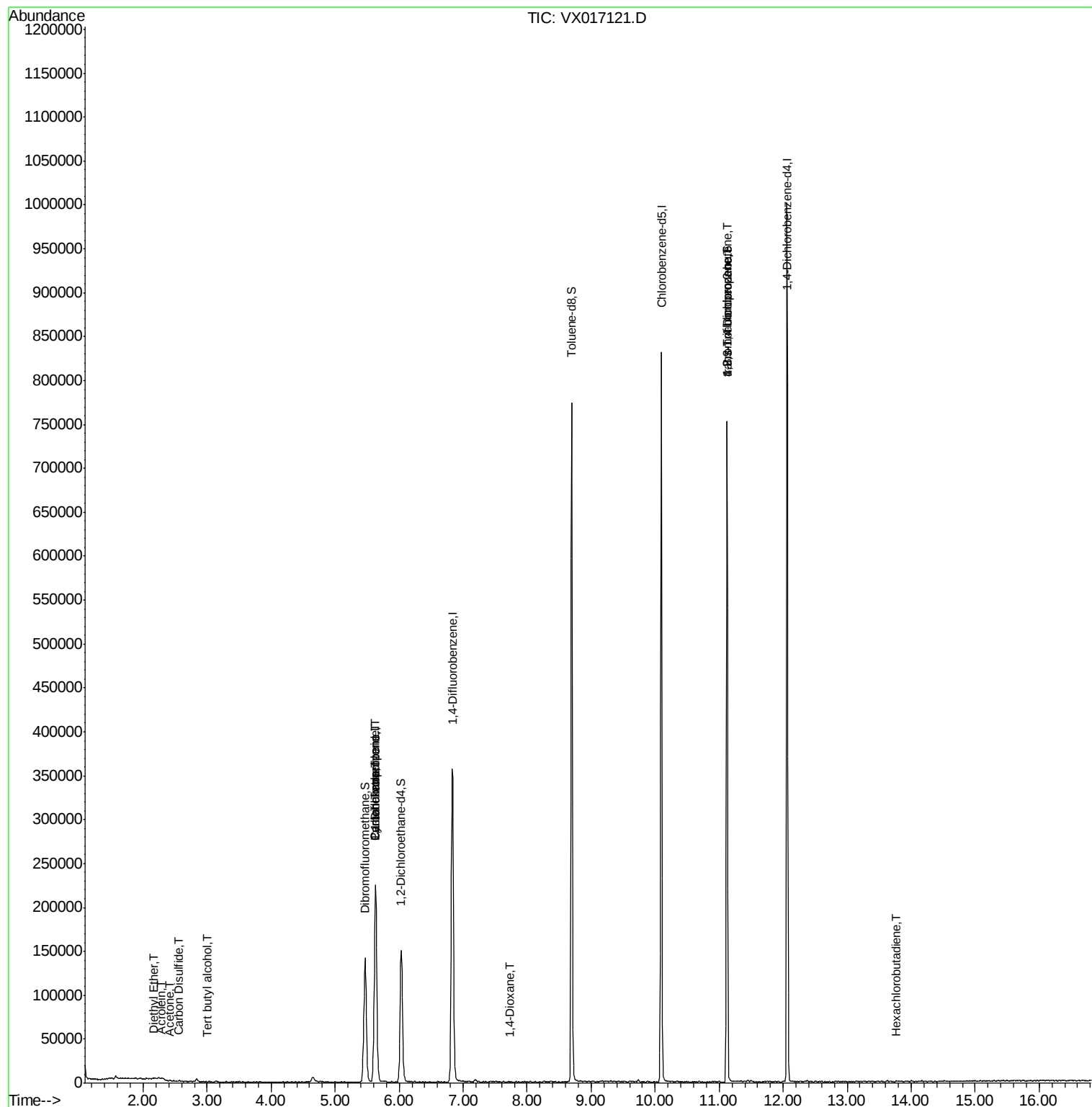
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	260	0.586	ug/l #	1
11) Tert butyl alcohol	3.01	59	105	0.207	ug/l #	73
13) Acrolein	2.28	56	201	0.662	ug/l #	15
16) Acetone	2.42	43	945	0.948	ug/l	91
17) Carbon Disulfide	2.55	76	1108	0.208	ug/l #	56
20) Methylene Chloride	2.84	84	1408	Below Cal	#	84
31) Cyclohexane	5.62	56	4271	1.188	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16036	4.604	ug/l #	50
38) Carbon Tetrachloride	5.63	117	20957	5.463	ug/l #	19
49) 1,4-Dioxane	7.72	88	19	0.301	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	91943	23.129	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	91943	59.896	ug/l #	13
88) 1,4-Dichlorobenzene	12.08	146	590	Below Cal	#	1
94) Hexachlorobutadiene	13.77	225	121	0.919	ug/l	78

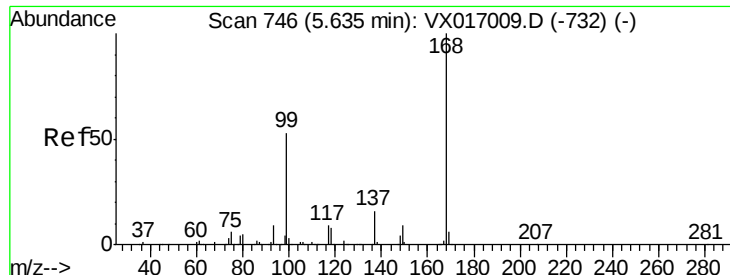
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070120\
Data File : VX017121.D
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MSVOA_X
ClientSampled :
54BR-20200629

Quant Time: Jul 02 01:43:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017121.D

Acq: 02 Jul 2020 00:44

Instrument :

MSVOA_X

ClientSampleId :

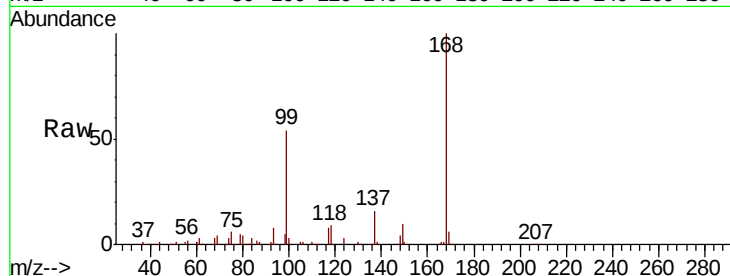
54BR-20200629

Tot Ion:168 Resp: 216064

Ion Ratio Lower Upper

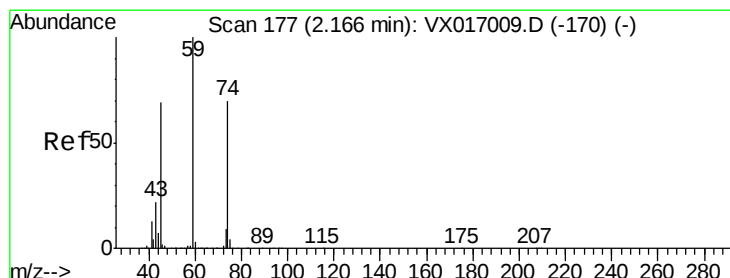
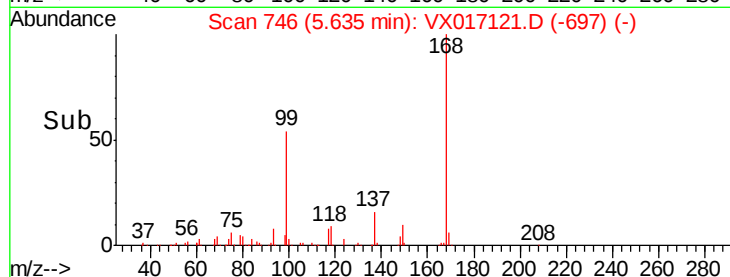
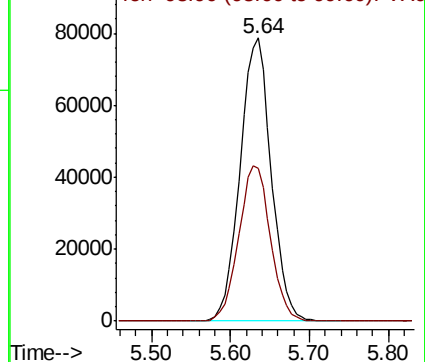
168 100

99 53.9 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.586 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017121.D

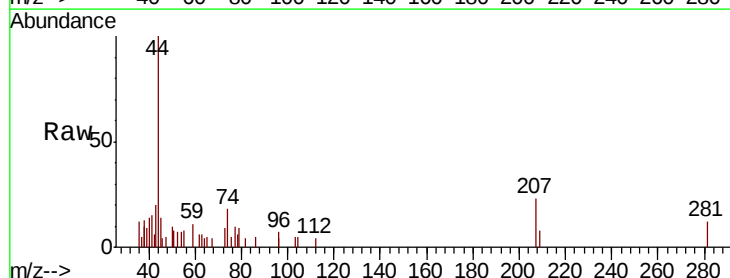
Acq: 02 Jul 2020 00:44

Tgt Ion: 74 Resp: 260

Ion Ratio Lower Upper

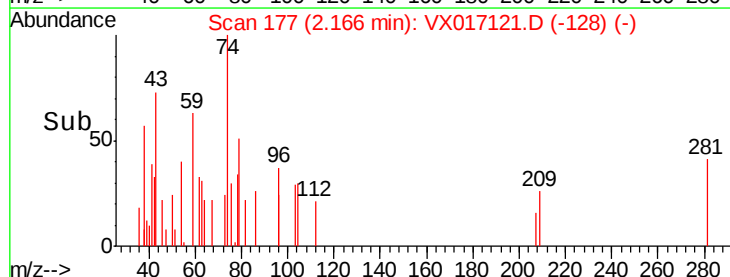
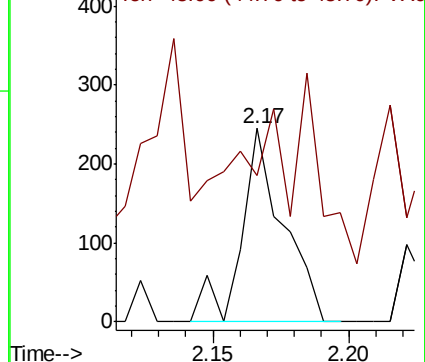
74 100

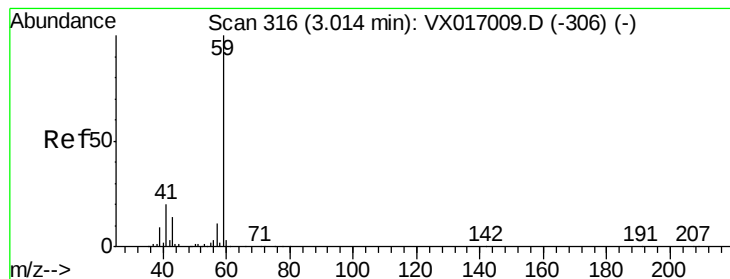
45 0.0 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



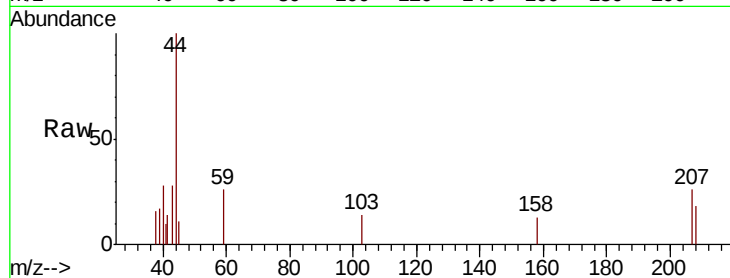


#11

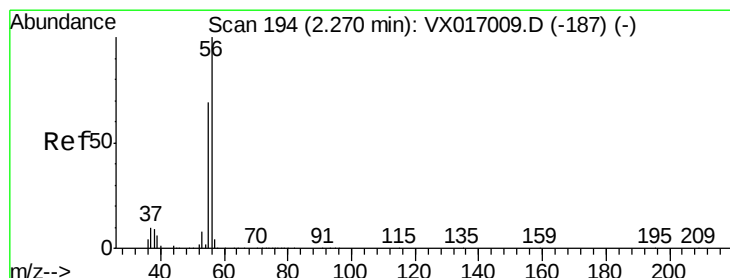
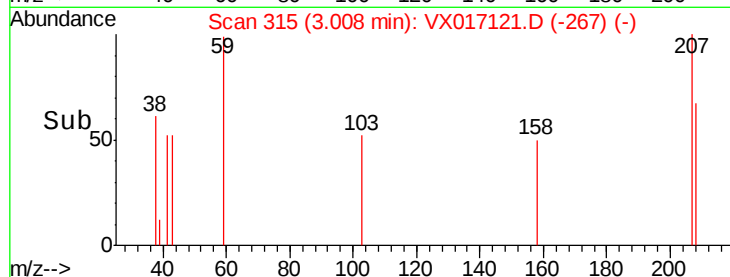
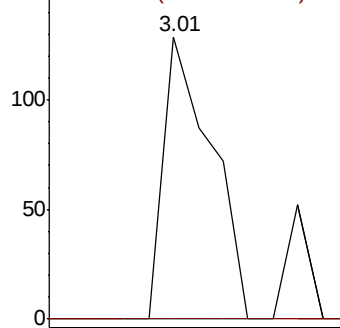
Tert butyl alcohol
Concen: 0.207 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017121.D
Acq: 02 Jul 2020 00:44

Instrument :
MSVOA_X
ClientSampleId :
54BR-20200629

Tot Ion: 59 Resp: 105
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



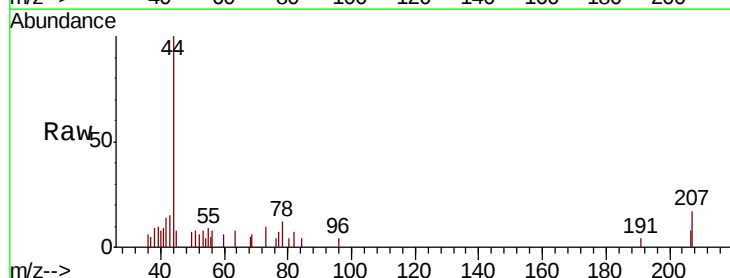
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



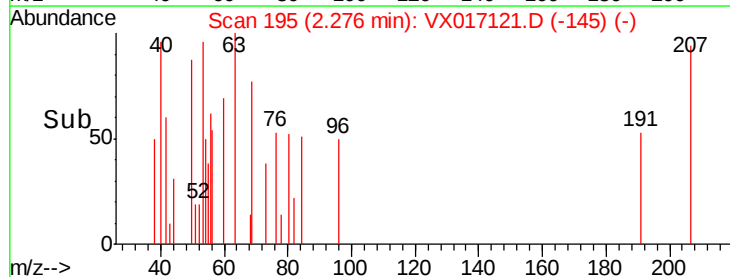
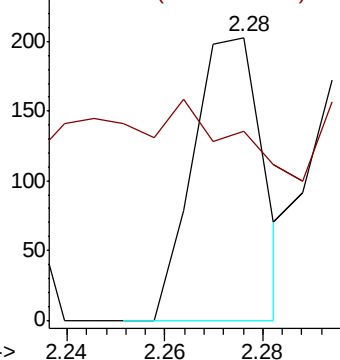
#13

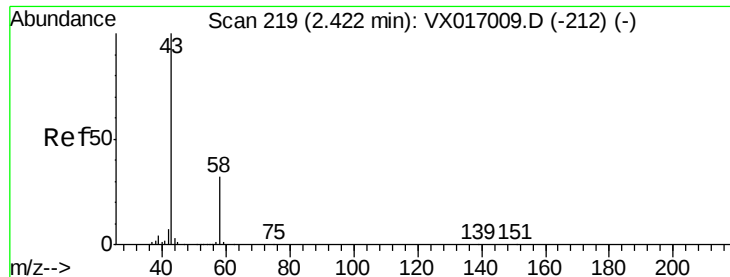
Acrolein
Concen: 0.662 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX017121.D
Acq: 02 Jul 2020 00:44

Tgt Ion: 56 Resp: 201
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.948 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017121.D

Acq: 02 Jul 2020 00:44

Instrument :

MSVOA_X

ClientSampleId :

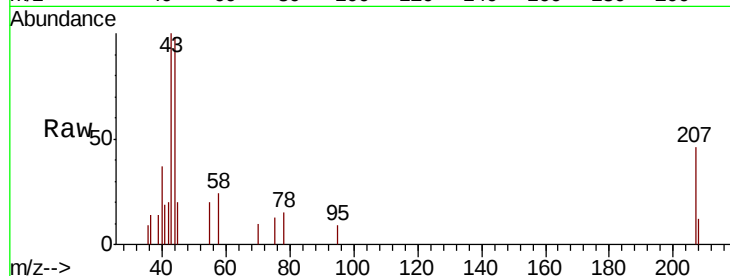
54BR-20200629

Tot Ion: 43 Resp: 945

Ion Ratio Lower Upper

43 100

58 26.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

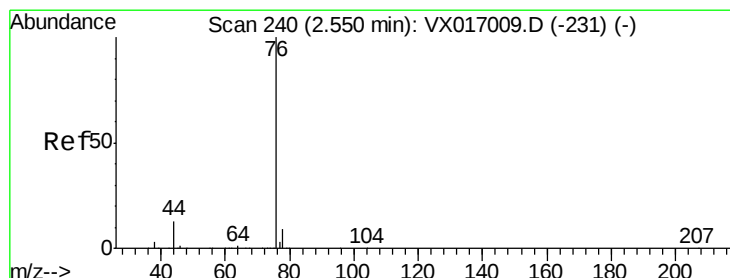
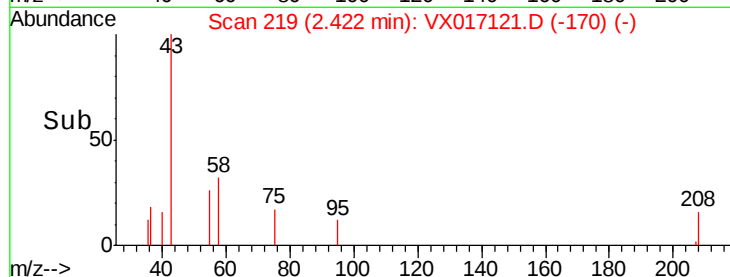
600

400

200

0

Time--> 2.35 2.40 2.45



#17

Carbon Disulfide

Concen: 0.208 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017121.D

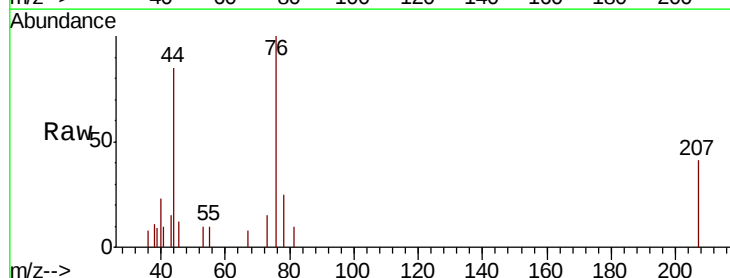
Acq: 02 Jul 2020 00:44

Tgt Ion: 76 Resp: 1108

Ion Ratio Lower Upper

76 100

78 24.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

800

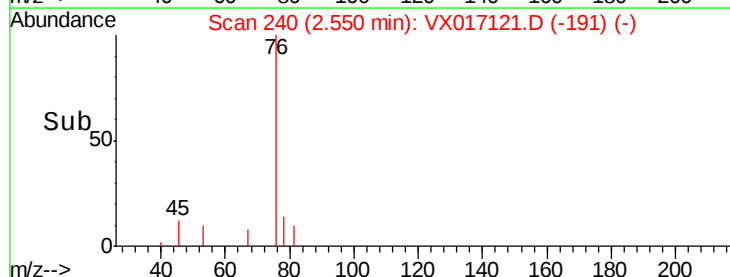
600

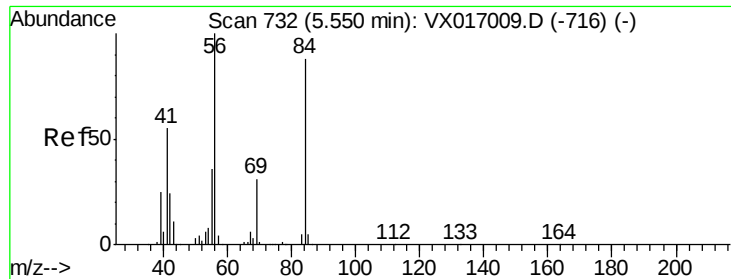
400

200

0

Time--> 2.50 2.55 2.60

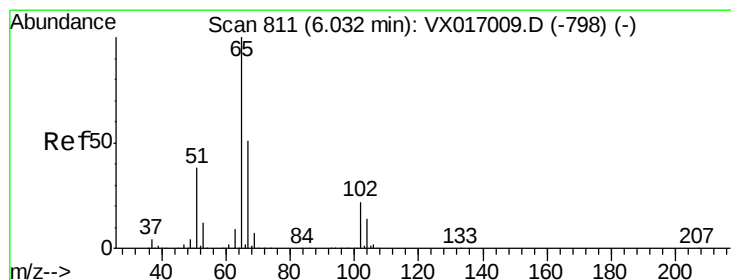
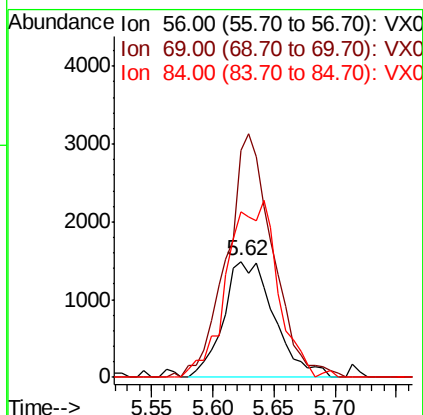
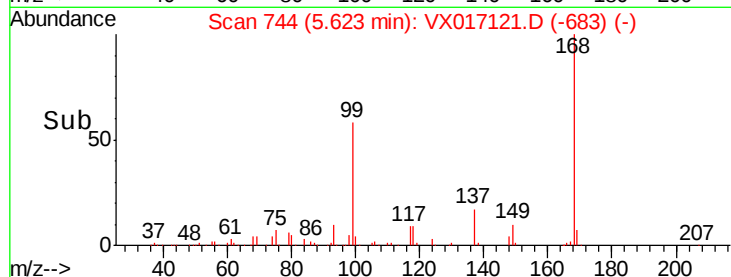
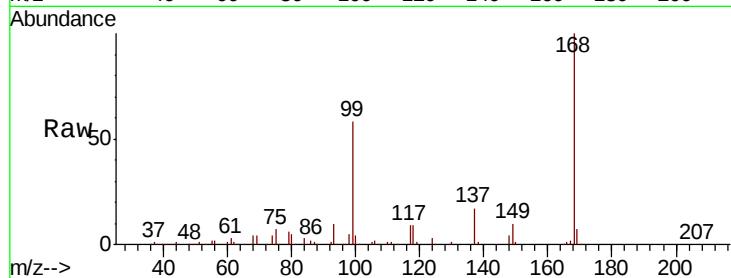




#31
Cyclohexane
Concen: 1.188 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017121.D
Acq: 02 Jul 2020 00:44

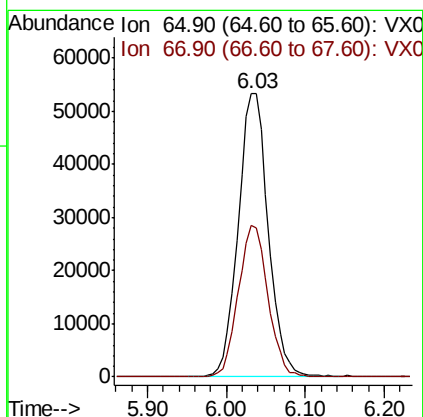
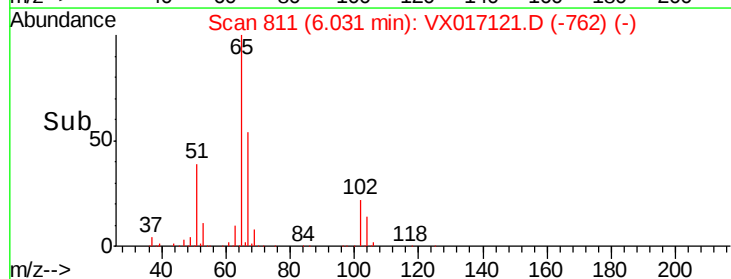
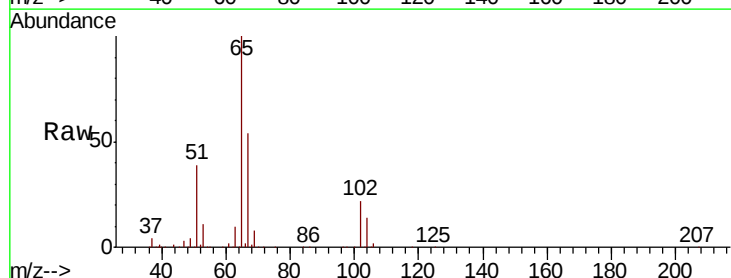
Instrument :
MSVOA_X
ClientSampleId :
54BR-20200629

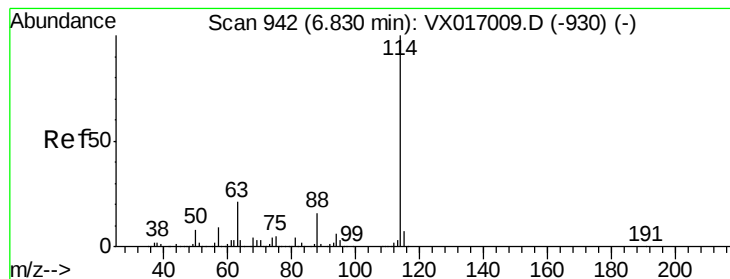
Tot Ion: 56 Resp: 4271
Ion Ratio Lower Upper
56 100
69 191.6 25.0 37.4#
84 142.4 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 53.152 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017121.D
Acq: 02 Jul 2020 00:44

Tgt Ion: 65 Resp: 141577
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017121.D

Acq: 02 Jul 2020 00:44

Instrument :

MSVOA_X

ClientSampleId :

54BR-20200629

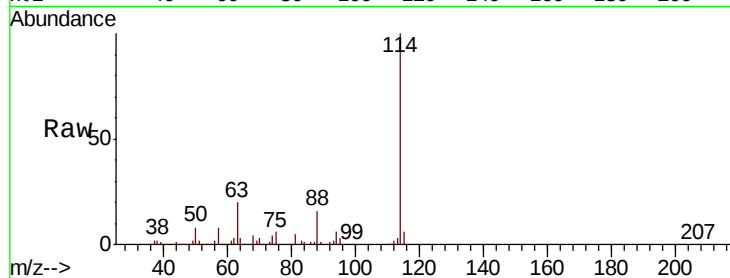
Tot Ion:114 Resp: 368500

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

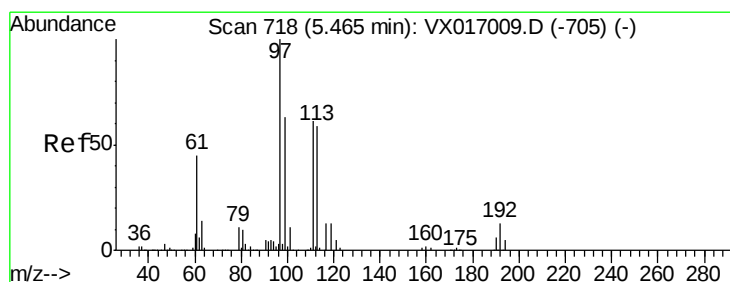
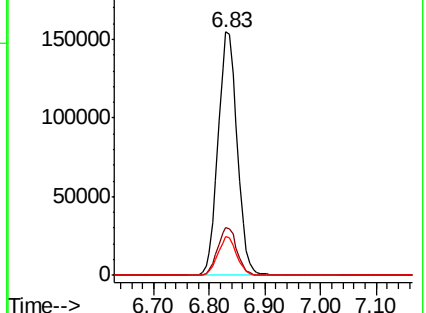
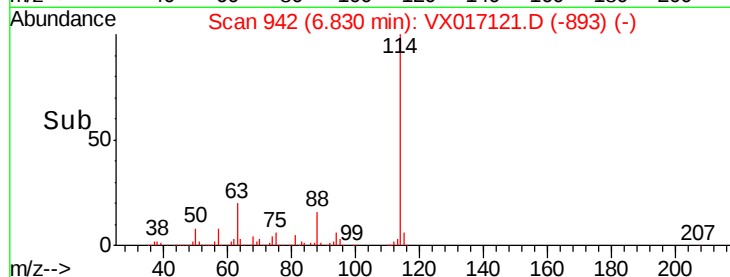
88 15.9 0.0 32.4



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: 51.797 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017121.D

Acq: 02 Jul 2020 00:44

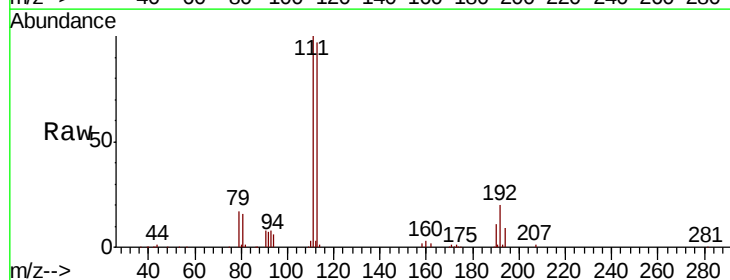
Tgt Ion:113 Resp: 120739

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

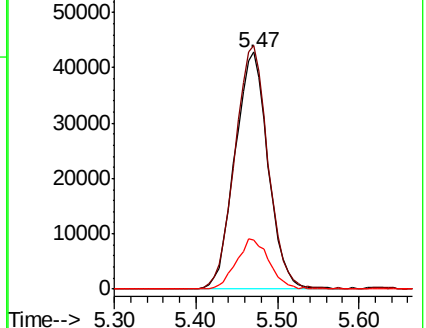
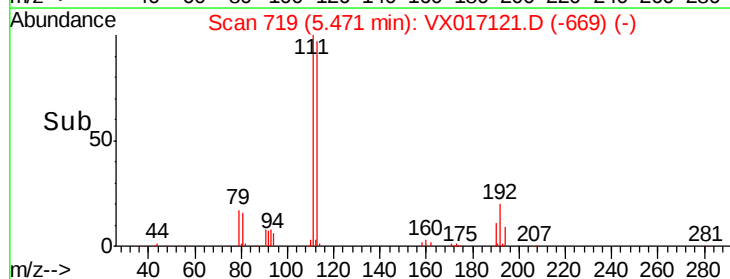
192 21.0 16.7 25.1

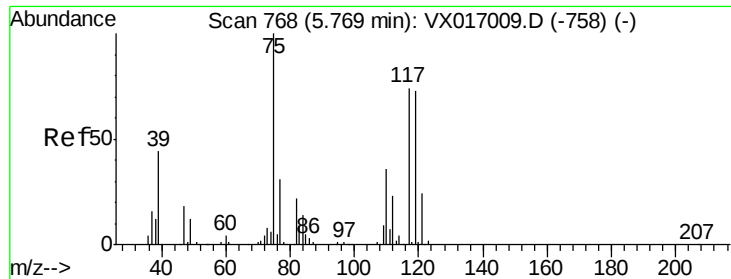


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.604 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017121.D

Acq: 02 Jul 2020 00:44

Instrument :

MSVOA_X

ClientSampleId :

54BR-20200629

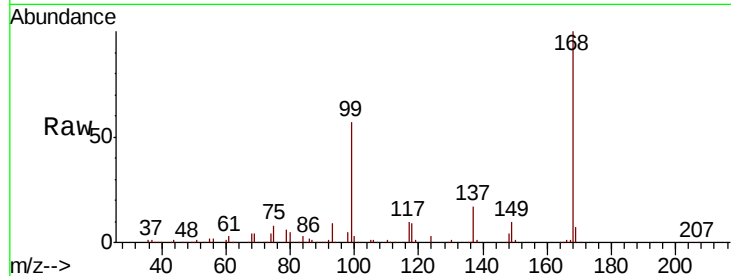
Tot Ion: 75 Resp: 16036

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.1#

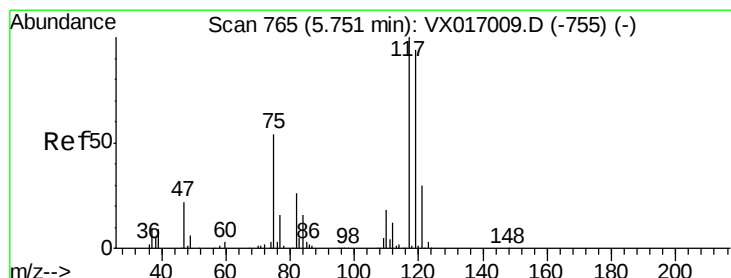
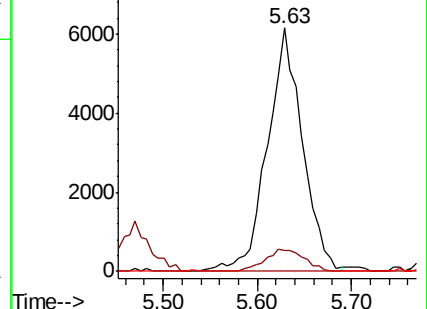
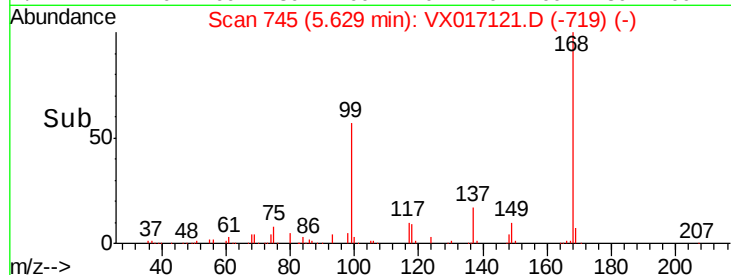
77 0.0 24.6 37.0#



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: 5.463 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017121.D

Acq: 02 Jul 2020 00:44

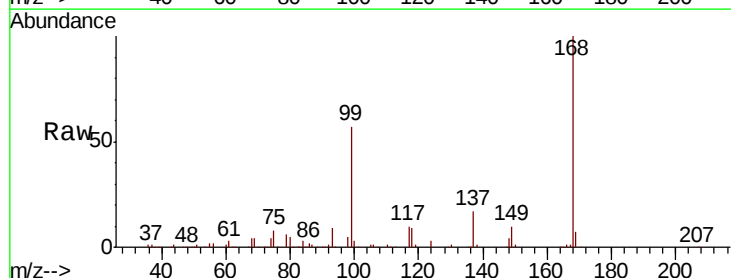
Tgt Ion:117 Resp: 20957

Ion Ratio Lower Upper

117 100

119 7.4 75.4 113.0#

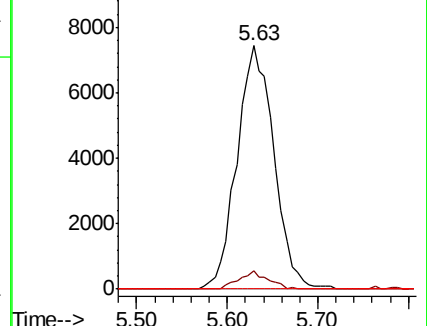
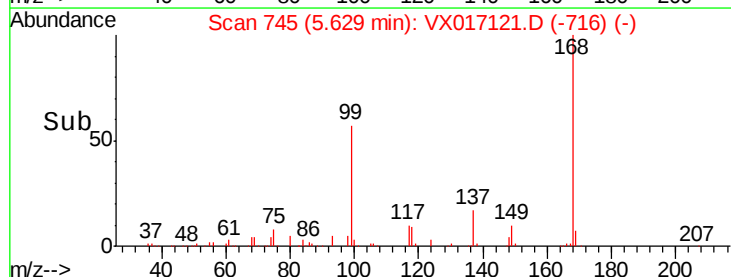
121 0.0 23.8 35.6#

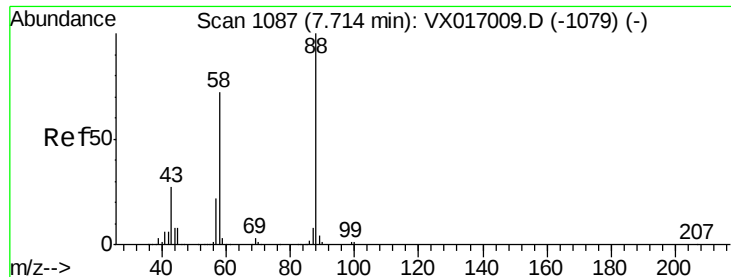


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

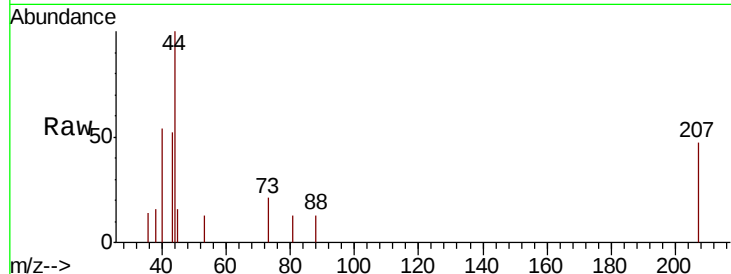




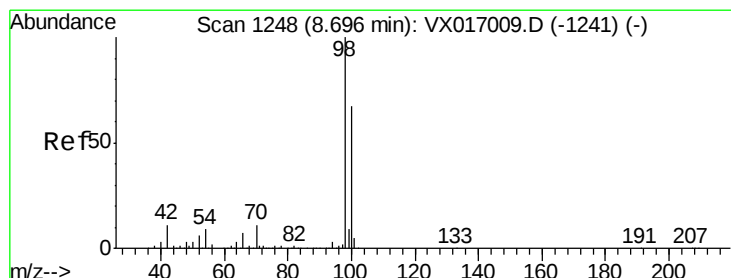
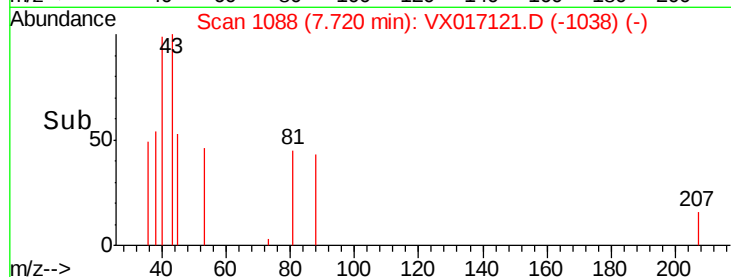
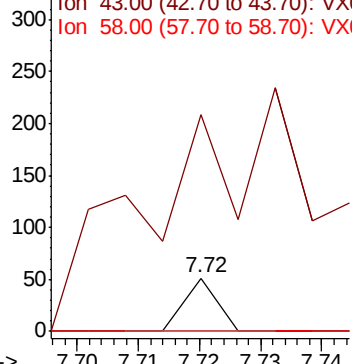
#49
1,4-Dioxane
Concen: 0.301 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017121.D
Acq: 02 Jul 2020 00:44

Instrument :
MSVOA_X
ClientSampleId :
54BR-20200629

Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 1252.6 25.8 38.8#
58 0.0 54.8 82.2#

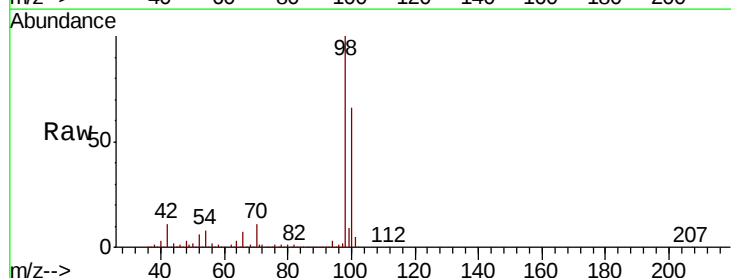


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

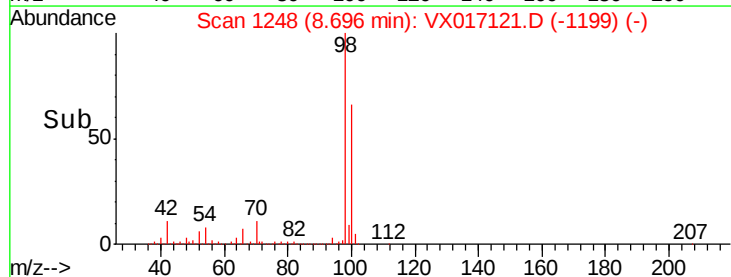
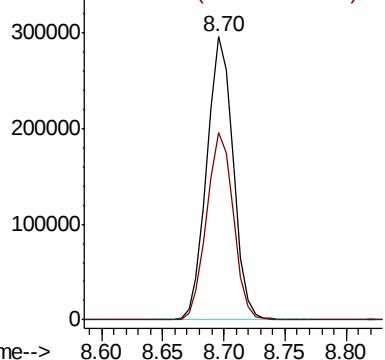


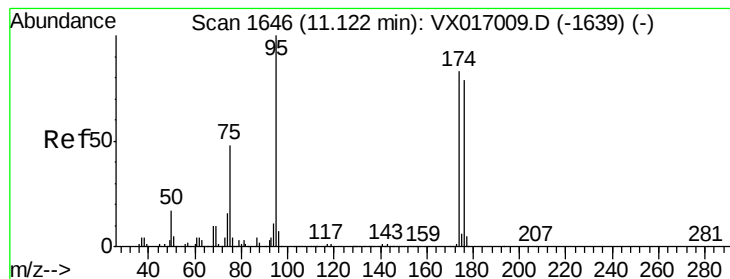
#50
Toluene-d8
Concen: 51.302 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017121.D
Acq: 02 Jul 2020 00:44

Tgt Ion: 98 Resp: 442205
Ion Ratio Lower Upper
98 100
100 67.0 53.8 80.6



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





#62

4-Bromofluorobenzene

Concen: 54.934 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017121.D

Acq: 02 Jul 2020 00:44

Instrument :

MSVOA_X

ClientSampleId :

54BR-20200629

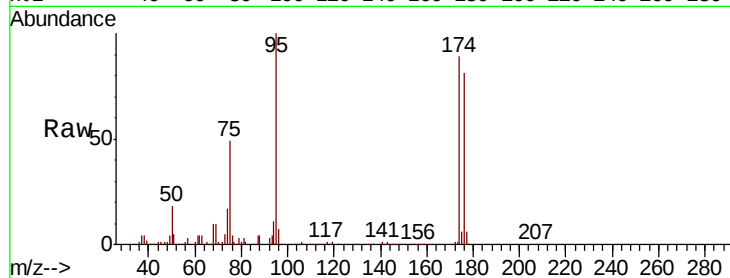
Tot Ion: 95 Resp: 185101

Ion Ratio Lower Upper

95 100

174 85.3 0.0 164.0

176 82.1 0.0 157.6

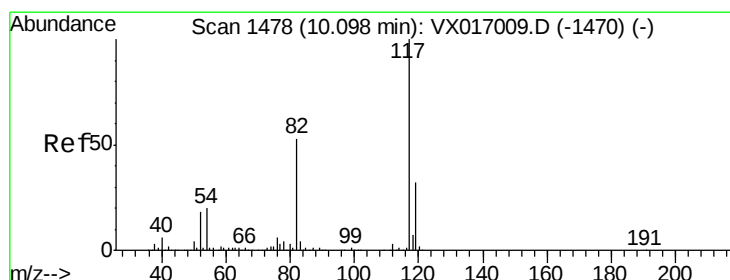
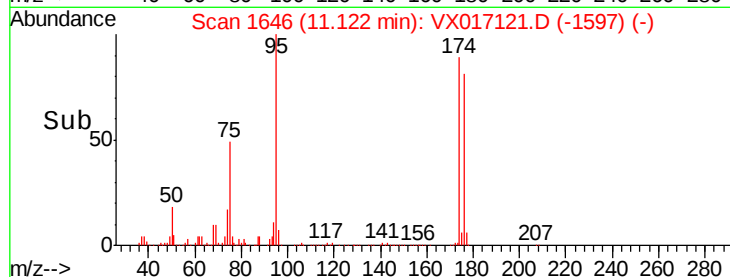
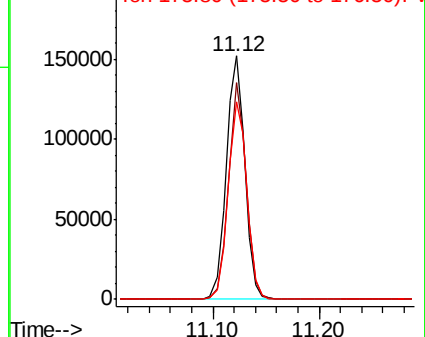


Abundance

Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017121.D

Acq: 02 Jul 2020 00:44

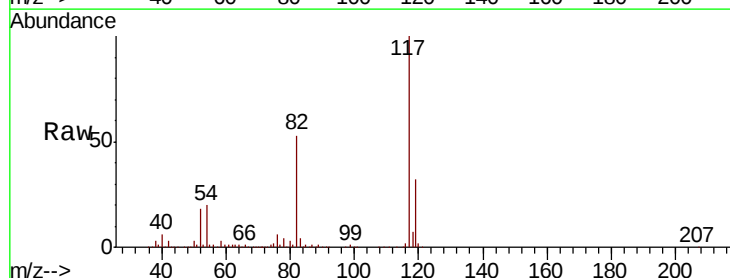
Tgt Ion: 117 Resp: 374348

Ion Ratio Lower Upper

117 100

82 52.7 42.6 63.8

119 32.1 25.4 38.2

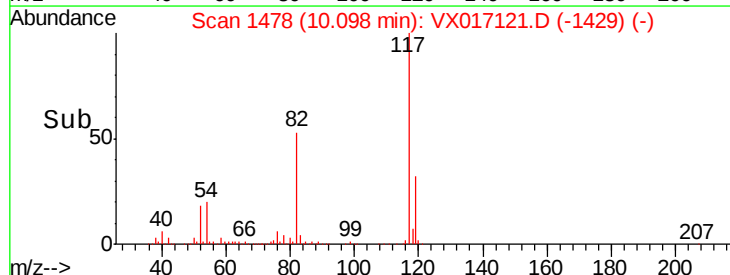
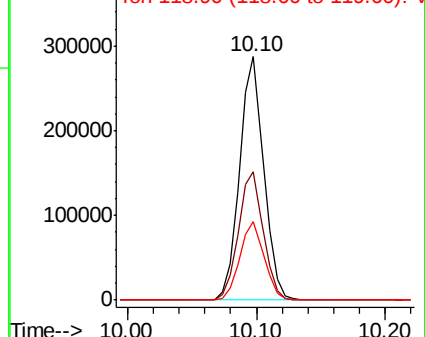


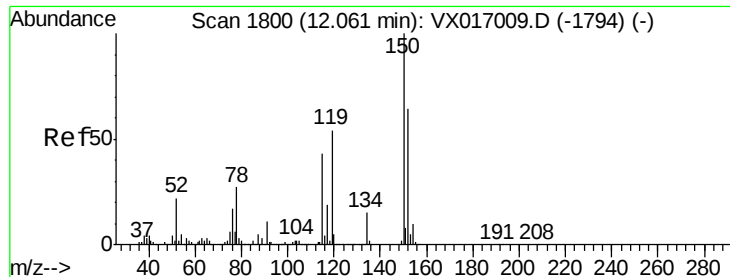
Abundance

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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017121.D

Acq: 02 Jul 2020 00:44

Instrument :

MSVOA_X

ClientSampleId :

54BR-20200629

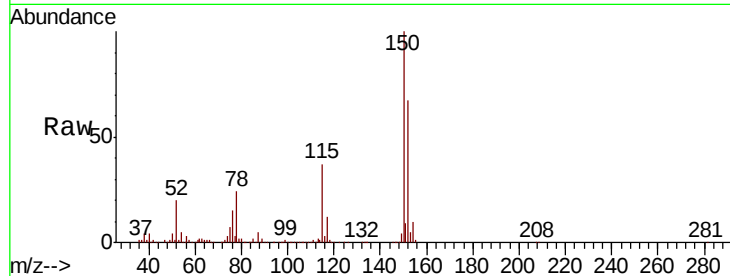
Tot Ion:152 Resp: 202153

Ion Ratio Lower Upper

152 100

115 56.3 40.9 122.7

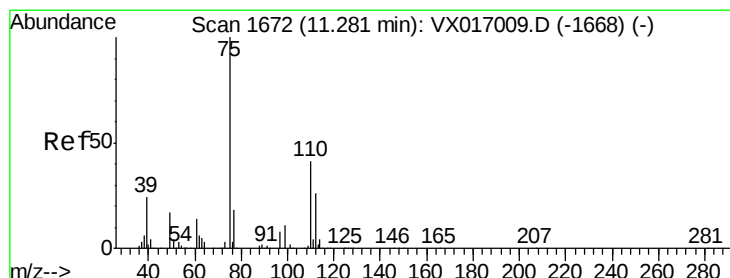
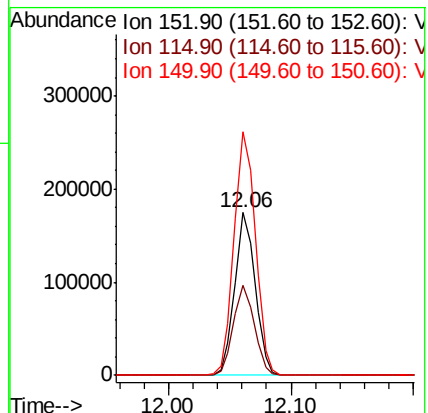
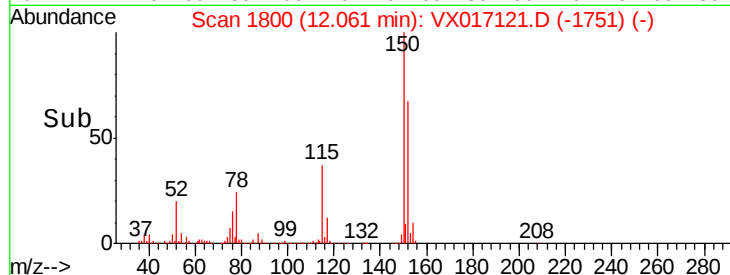
150 155.7 0.0 351.6



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: 23.129 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017121.D

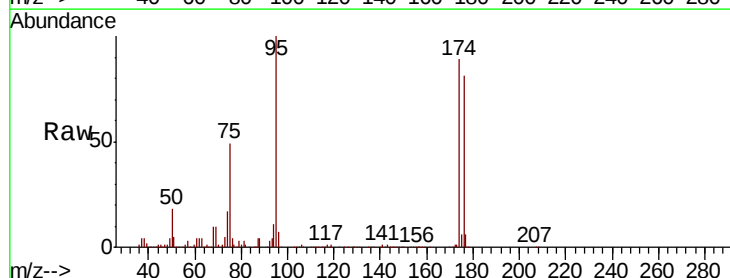
Acq: 02 Jul 2020 00:44

Tgt Ion: 75 Resp: 91943

Ion Ratio Lower Upper

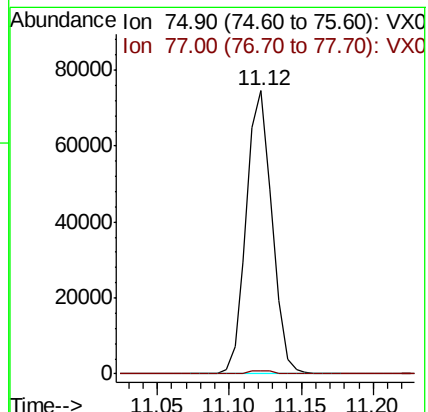
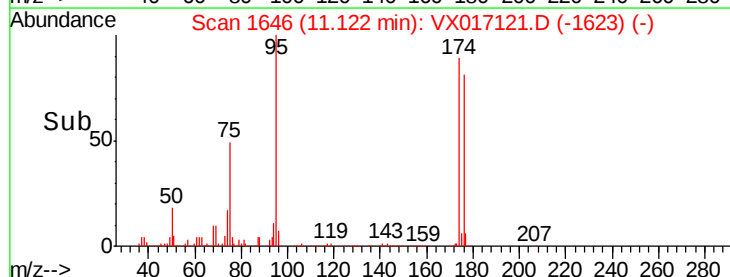
75 100

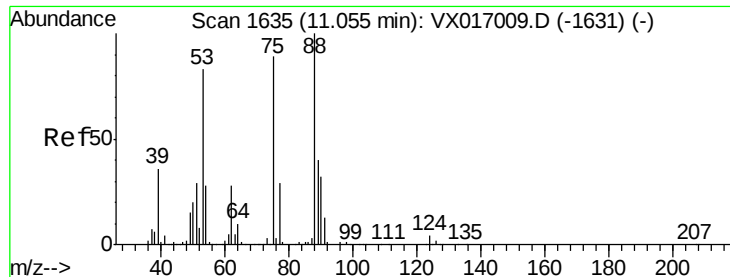
77 1.4 20.2 60.6#



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: 59.896 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017121.D

Acq: 02 Jul 2020 00:44

Instrument :

MSVOA_X

ClientSampleId :

54BR-20200629

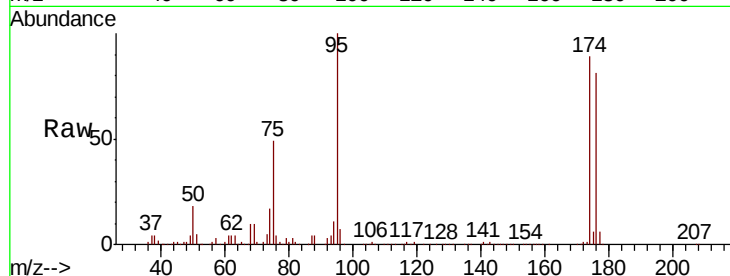
Tot Ion: 75 Resp: 91943

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

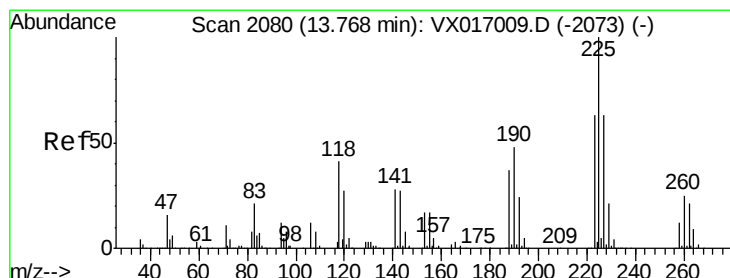
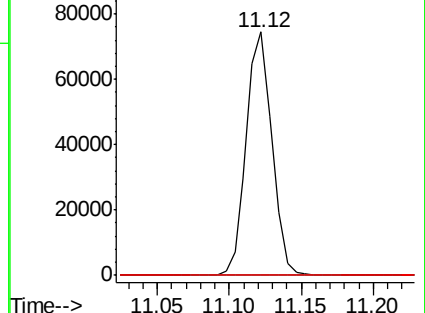
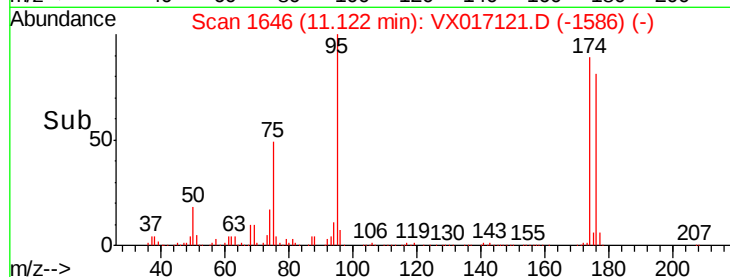
89 0.0 37.0 55.4#



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: 0.919 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017121.D

Acq: 02 Jul 2020 00:44

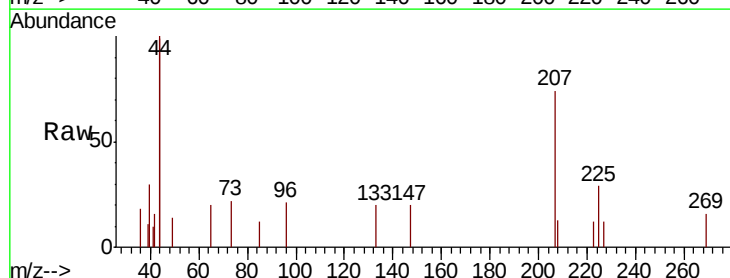
Tgt Ion: 225 Resp: 121

Ion Ratio Lower Upper

225 100

223 80.2 32.5 97.5

227 46.3 33.1 99.2



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

