

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017134.D
 Acq On : 02 Jul 2020 05:40
 Operator : JC/SP
 Sample : L3159-21 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 60BR-20200629

Quant Time: Jul 02 06:02:50 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	5.63	168	201400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	343616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	358051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	192449	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	136411	54.94	ug/l	0.00
Spiked Amount			Recovery	=	109.88%	
35) Dibromofluoromethane	5.46	113	115311	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
50) Toluene-d8	8.70	98	422105	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
62) 4-Bromofluorobenzene	11.12	95	173737	55.30	ug/l	0.00
Spiked Amount			Recovery	=	110.60%	

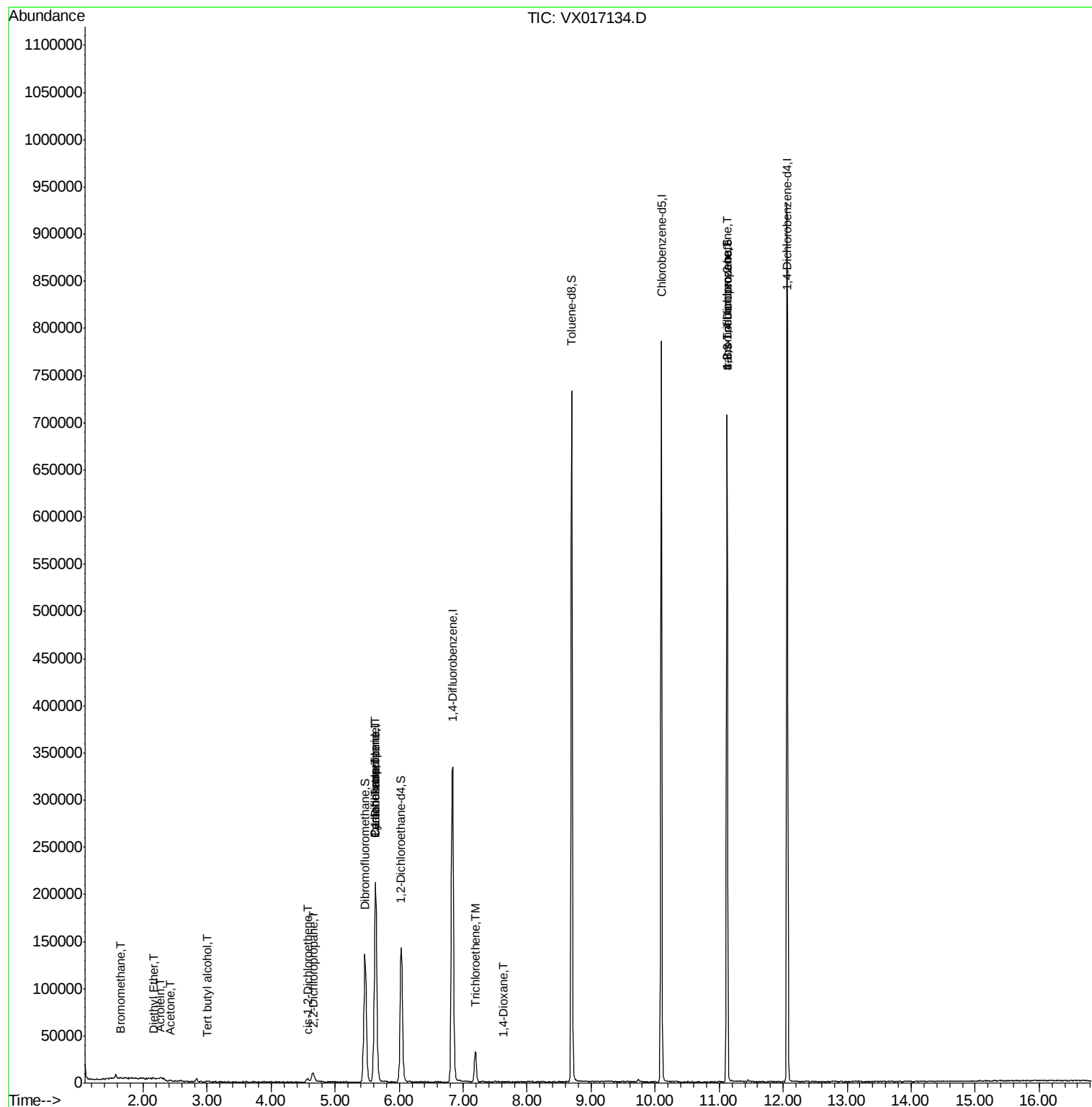
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	233	0.202	ug/l #	70
8) Diethyl Ether	2.17	74	384	0.716	ug/l	52
11) Tert butyl alcohol	3.01	59	466	0.984	ug/l #	73
13) Acrolein	2.28	56	294	1.038	ug/l	89
16) Acetone	2.43	43	1080	1.163	ug/l #	86
20) Methylene Chloride	2.84	84	1402	Below Cal	#	93
26) 2,2-Dichloropropane	4.65	77	937	0.272	ug/l #	53
27) cis-1,2-Dichloroethene	4.57	96	2611	1.042	ug/l	76
31) Cyclohexane	5.63	56	4234	1.263	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15192	4.678	ug/l #	50
38) Carbon Tetrachloride	5.62	117	19786	5.531	ug/l #	17
44) Trichloroethene	7.19	130	12548	4.484	ug/l	96
49) 1,4-Dioxane	7.63	88	20	0.339	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	88791	23.462	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	88791	60.759	ug/l #	13
88) 1,4-Dichlorobenzene	12.06	146	194	Below Cal	#	1

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

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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: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017134.D

Acq: 02 Jul 2020 05:40

Instrument :

MSVOA_X

ClientSampleId :

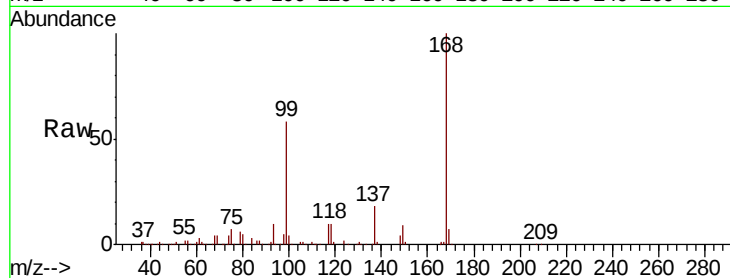
60BR-20200629

Tot Ion:168 Resp: 201400

Ion Ratio Lower Upper

168 100

99 57.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

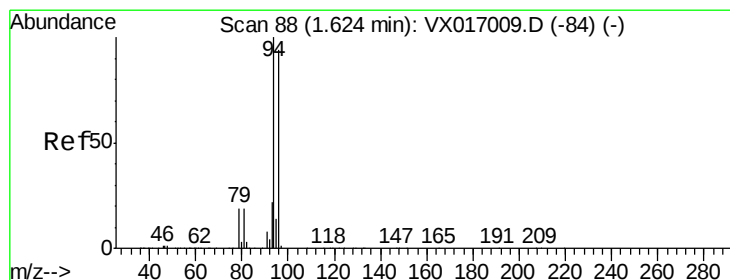
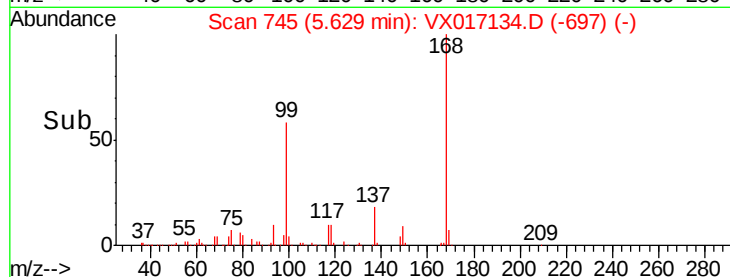
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.202 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017134.D

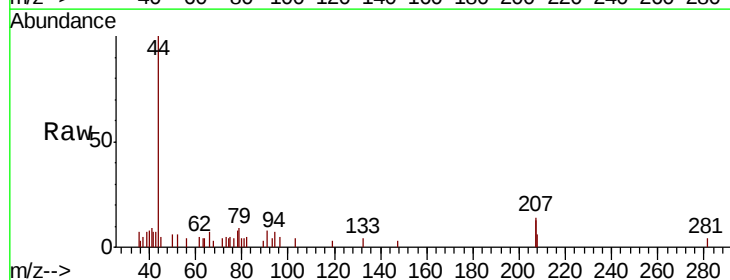
Acq: 02 Jul 2020 05:40

Tgt Ion: 94 Resp: 233

Ion Ratio Lower Upper

94 100

96 64.9 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

150

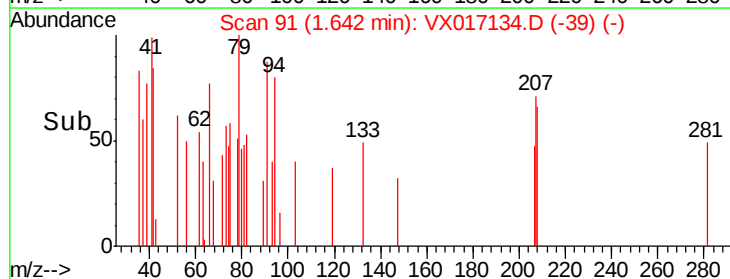
100

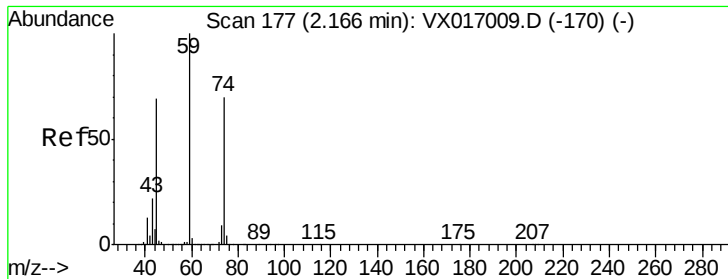
50

0

Time-->

1.60 1.65





#8

Diethyl Ether

Concen: 0.716 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017134.D

Acq: 02 Jul 2020 05:40

Instrument :

MSVOA_X

ClientSampleId :

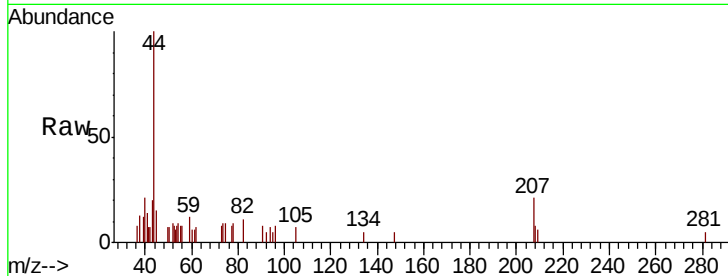
60BR-20200629

Tot Ion: 74 Resp: 384

Ion Ratio Lower Upper

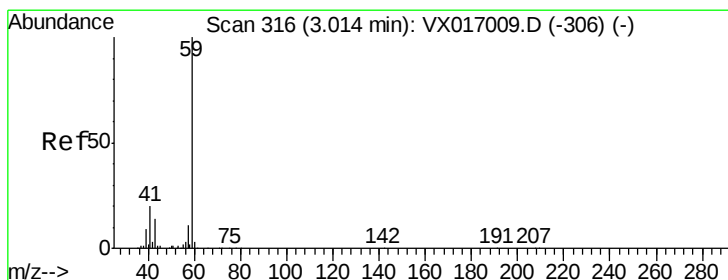
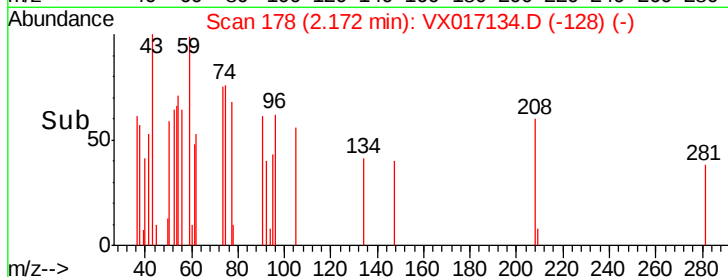
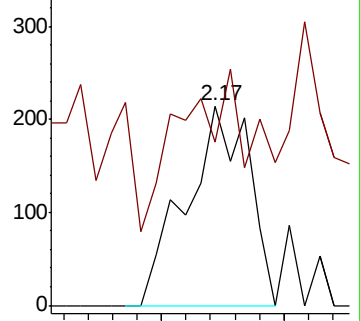
74 100

45 51.3 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: 0.984 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX017134.D

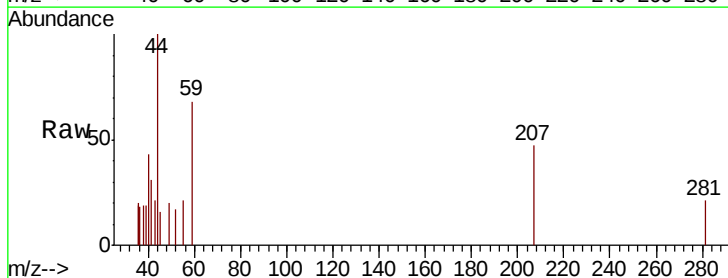
Acq: 02 Jul 2020 05:40

Tgt Ion: 59 Resp: 466

Ion Ratio Lower Upper

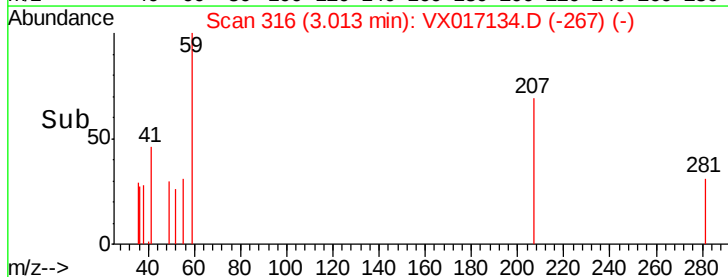
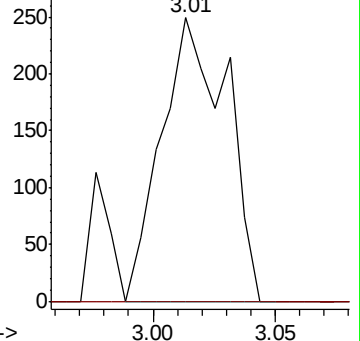
59 100

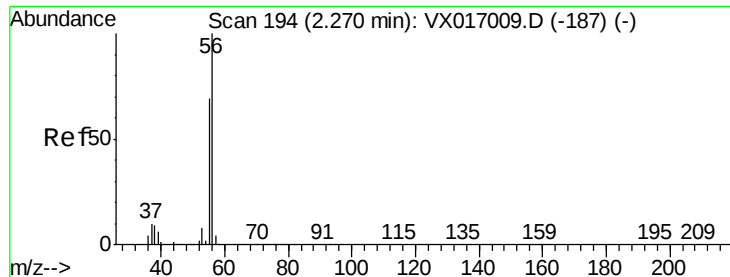
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.038 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX017134.D

Acq: 02 Jul 2020 05:40

Instrument :

MSVOA_X

ClientSampleId :

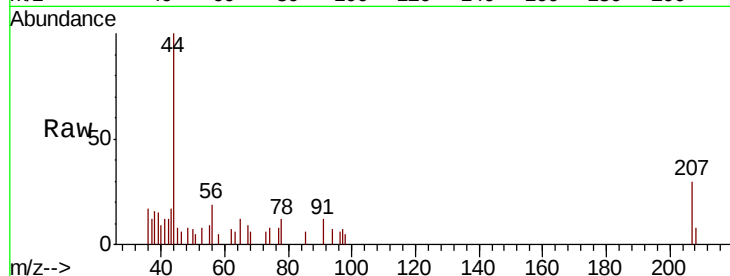
60BR-20200629

Tot Ion: 56 Resp: 294

Ion Ratio Lower Upper

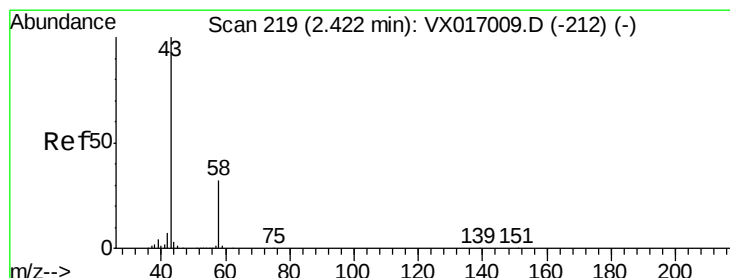
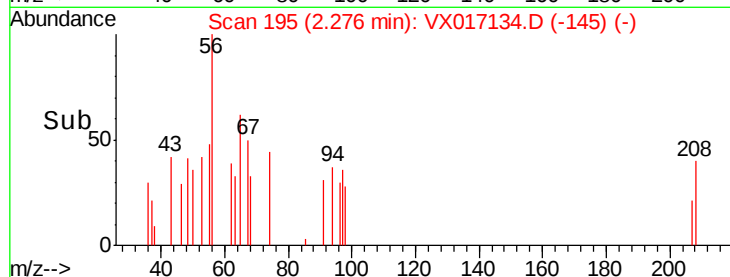
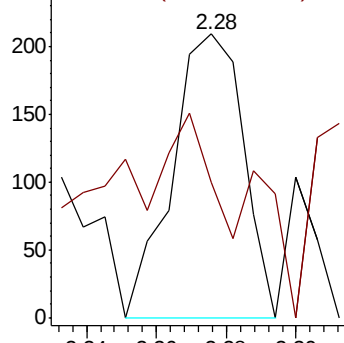
56 100

55 78.2 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: 1.163 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX017134.D

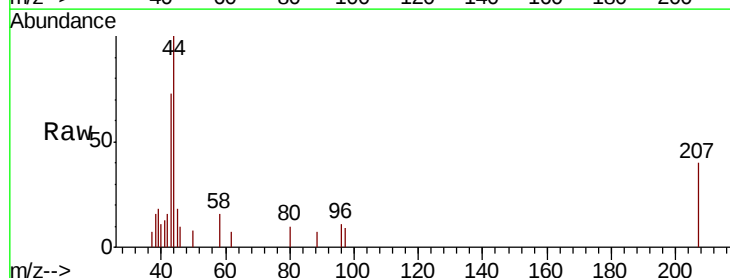
Acq: 02 Jul 2020 05:40

Tgt Ion: 43 Resp: 1080

Ion Ratio Lower Upper

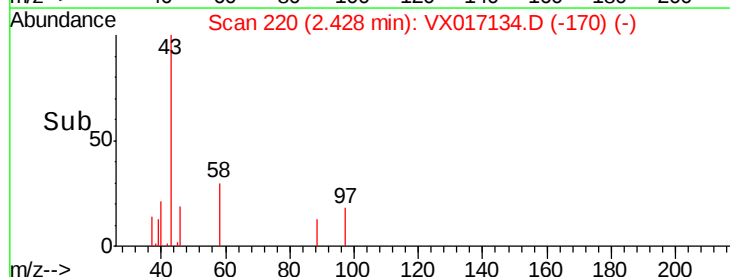
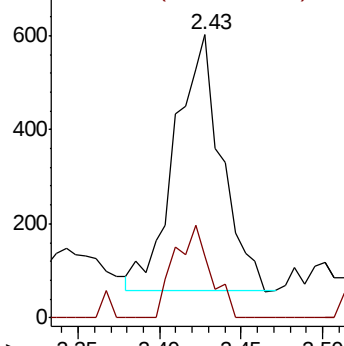
43 100

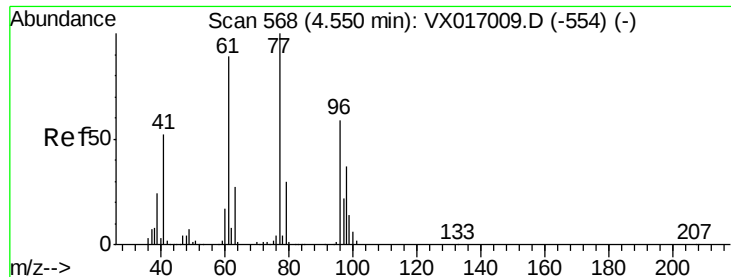
58 24.3 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

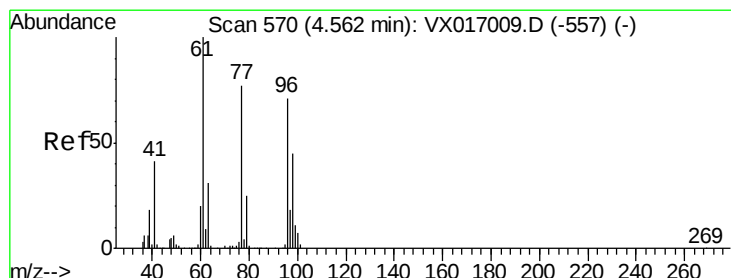
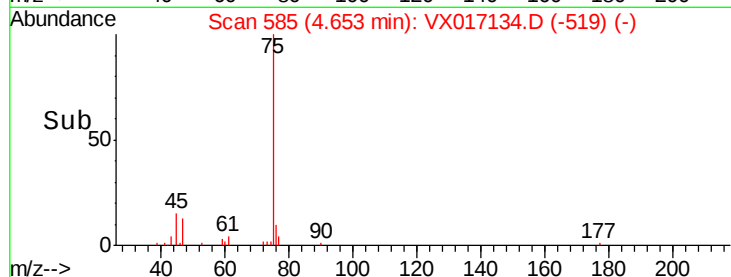
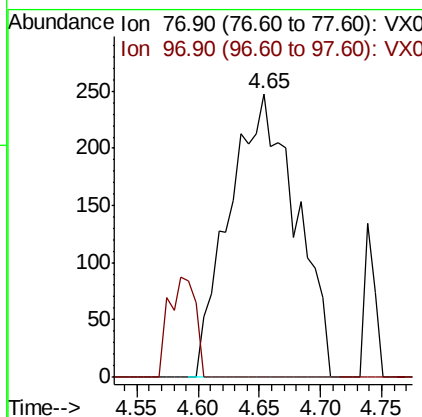
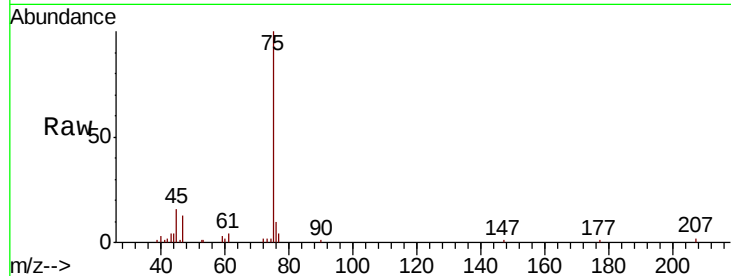




#26
 2,2-Dichloropropane
 Concen: 0.272 ug/l
 RT: 4.65 min Scan# 585
 Delta R.T. 0.10 min
 Lab File: VX017134.D
 Acq: 02 Jul 2020 05:40

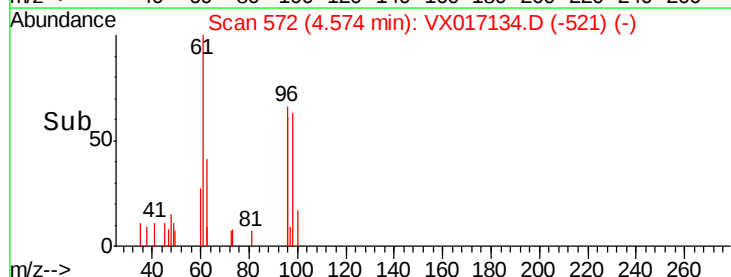
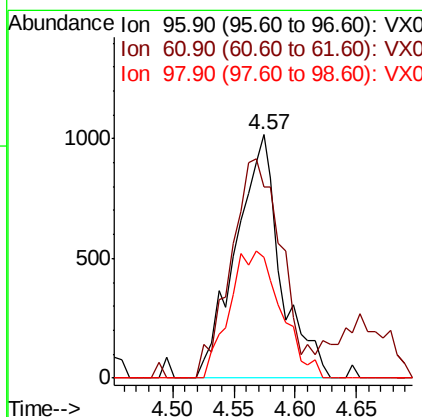
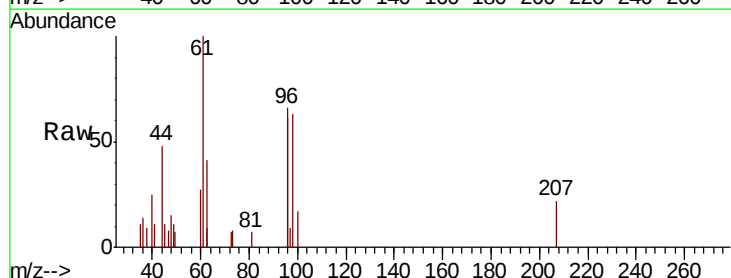
Instrument :
 MSVOA_X
 ClientSampleId :
 60BR-20200629

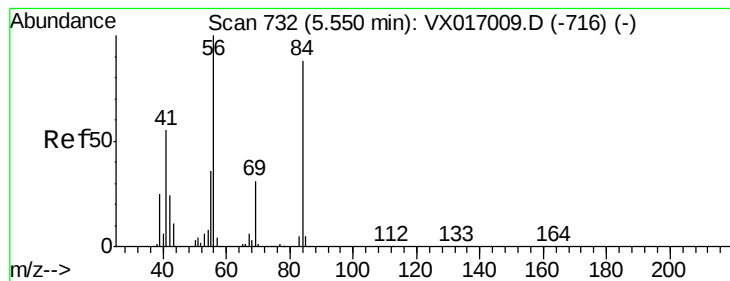
Tot Ion: 77 Resp: 937
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.2#



#27
 cis-1,2-Dichloroethene
 Concen: 1.042 ug/l
 RT: 4.57 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VX017134.D
 Acq: 02 Jul 2020 05:40

Tgt Ion: 96 Resp: 2611
 Ion Ratio Lower Upper
 96 100
 61 101.8 0.0 282.8
 98 59.4 0.0 127.6





#31

Cyclohexane

Concen: 1.263 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017134.D

Acq: 02 Jul 2020 05:40

Instrument :

MSVOA_X

ClientSampleId :

60BR-20200629

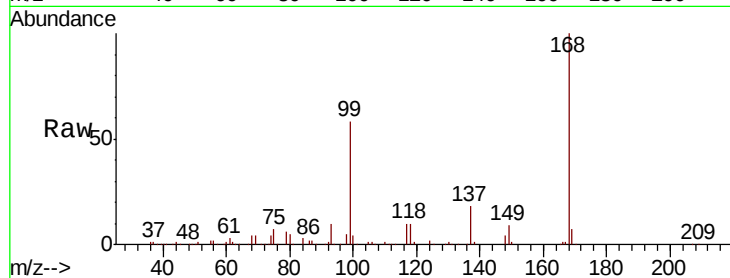
Tot Ion: 56 Resp: 4234

Ion Ratio Lower Upper

56 100

69 179.9 25.0 37.4#

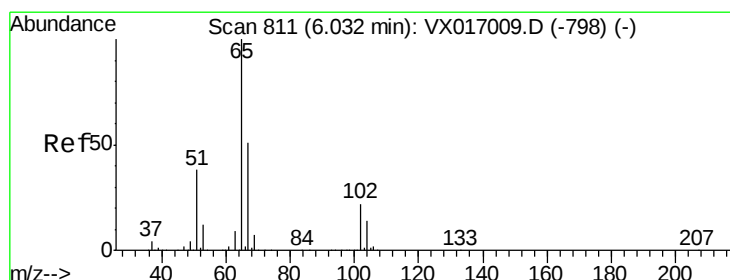
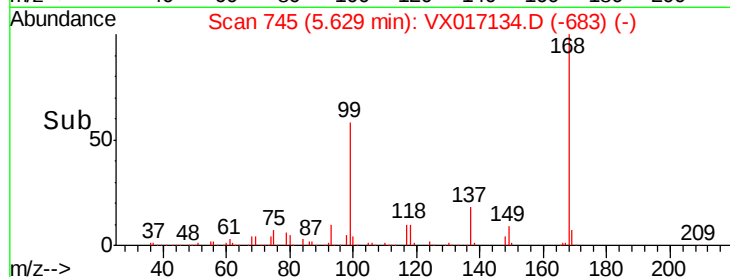
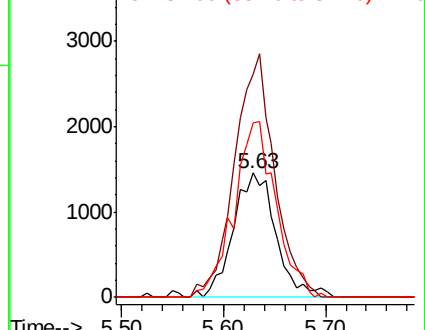
84 140.4 69.1 103.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.941 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017134.D

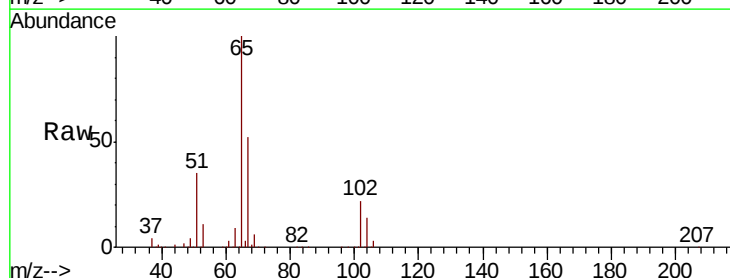
Acq: 02 Jul 2020 05:40

Tgt Ion: 65 Resp: 136411

Ion Ratio Lower Upper

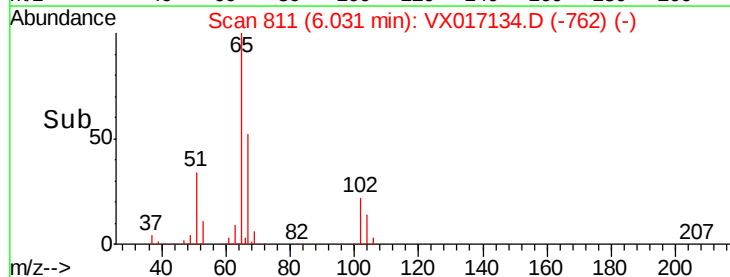
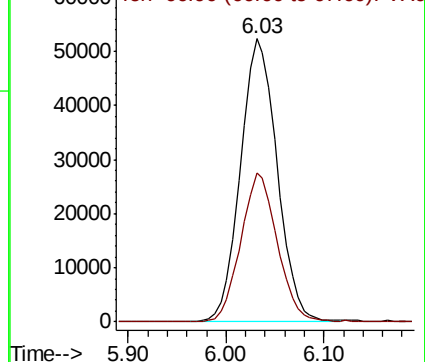
65 100

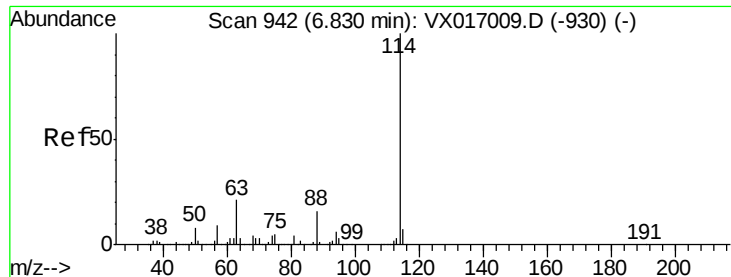
67 52.0 0.0 103.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017134.D

Acq: 02 Jul 2020 05:40

Instrument :

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ClientSampleId :

60BR-20200629

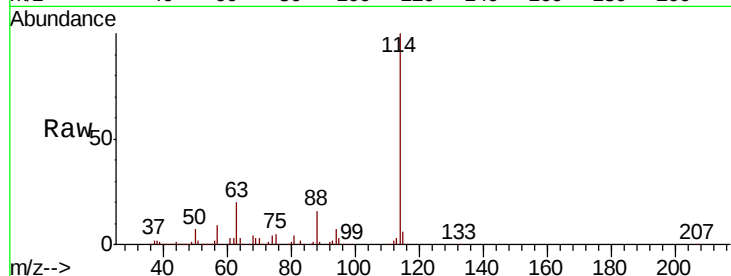
Tot Ion:114 Resp: 343616

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

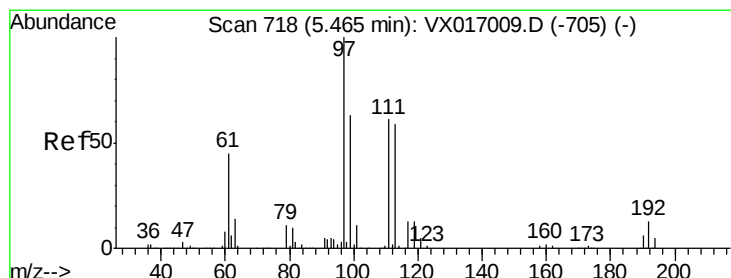
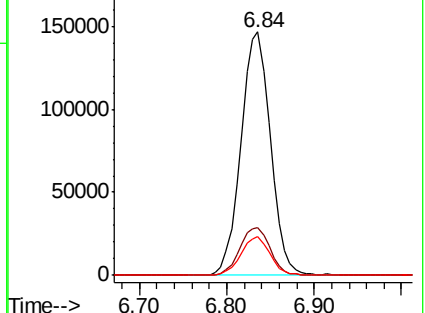
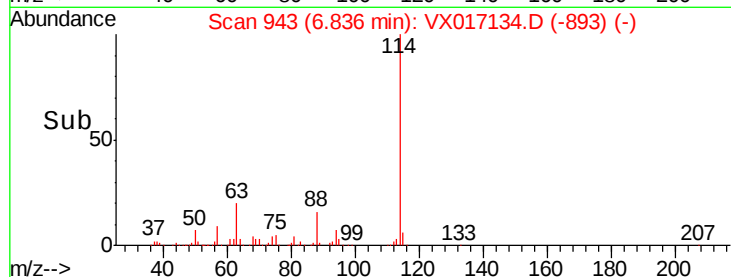
88 15.8 0.0 32.4



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: 53.050 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017134.D

Acq: 02 Jul 2020 05:40

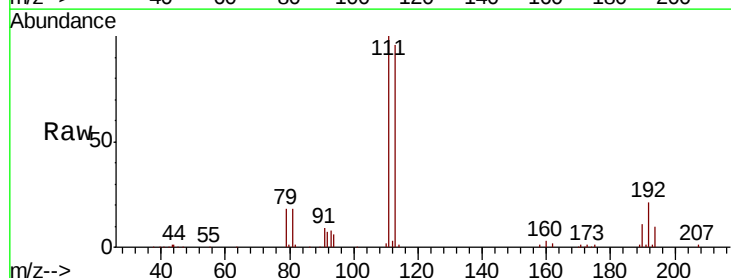
Tgt Ion:113 Resp: 115311

Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

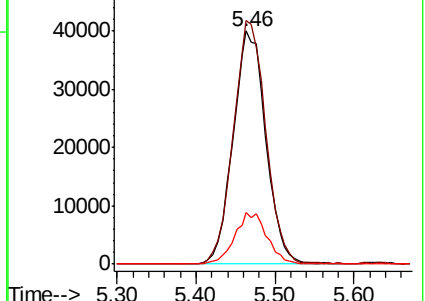
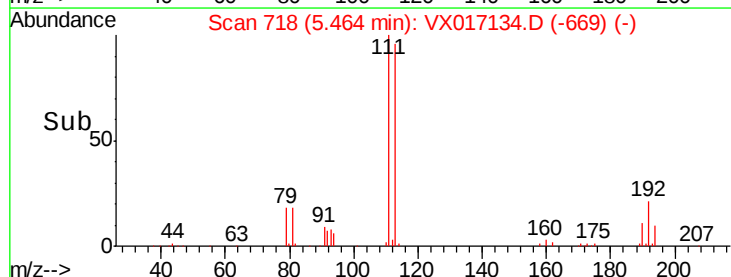
192 21.7 16.7 25.1

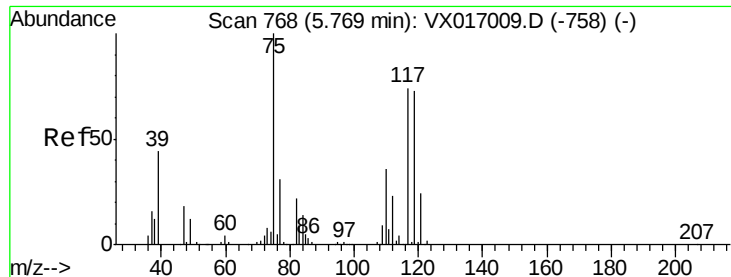


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.678 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017134.D

Acq: 02 Jul 2020 05:40

Instrument :

MSVOA_X

ClientSampleId :

60BR-20200629

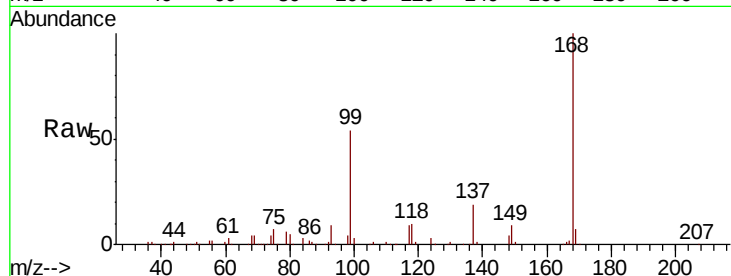
Tot Ion: 75 Resp: 15192

Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.1#

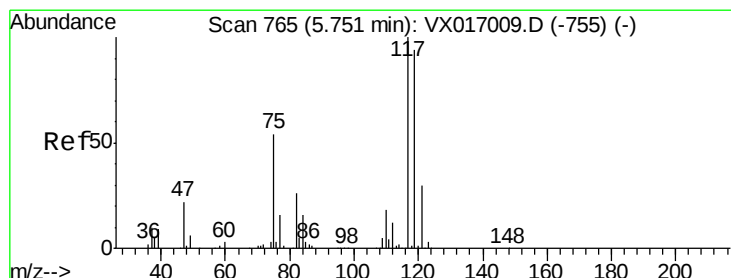
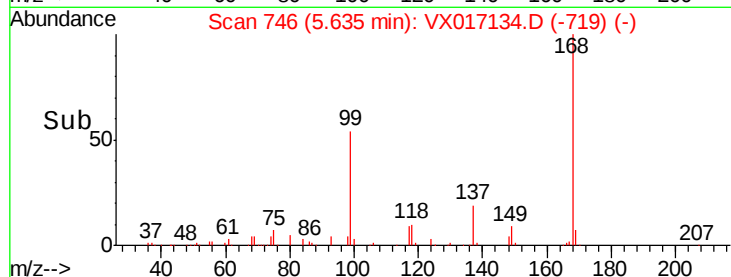
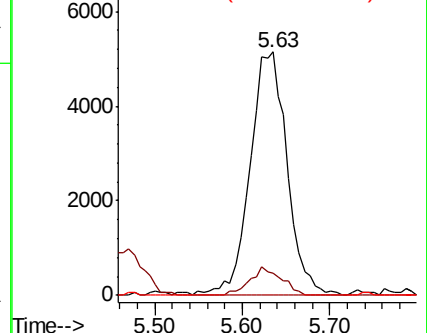
77 0.0 24.6 37.0#



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: 5.531 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX017134.D

Acq: 02 Jul 2020 05:40

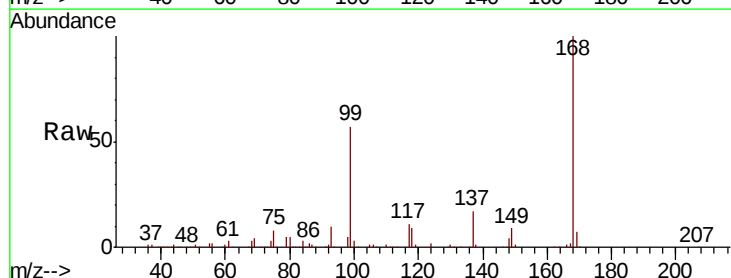
Tgt Ion: 117 Resp: 19786

Ion Ratio Lower Upper

117 100

119 5.0 75.4 113.0#

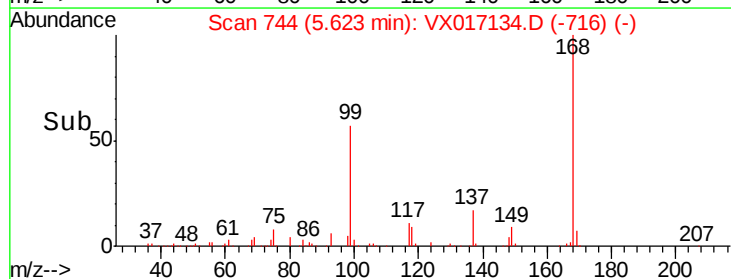
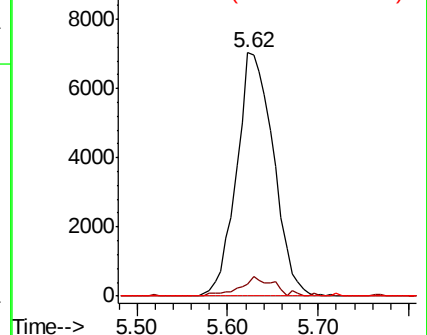
121 0.0 23.8 35.6#

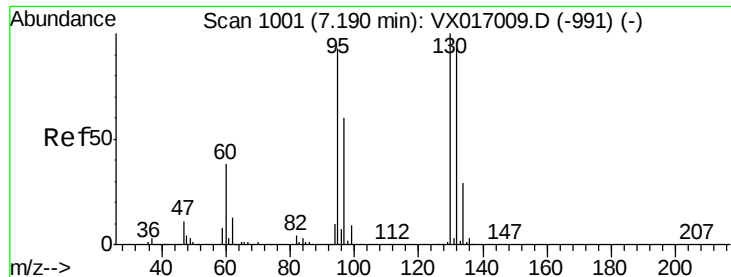


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 4.484 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017134.D

Acq: 02 Jul 2020 05:40

Instrument :

MSVOA_X

ClientSampleId :

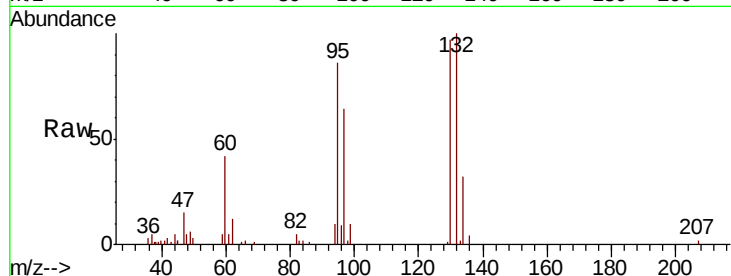
60BR-20200629

Tot Ion:130 Resp: 12548

Ion Ratio Lower Upper

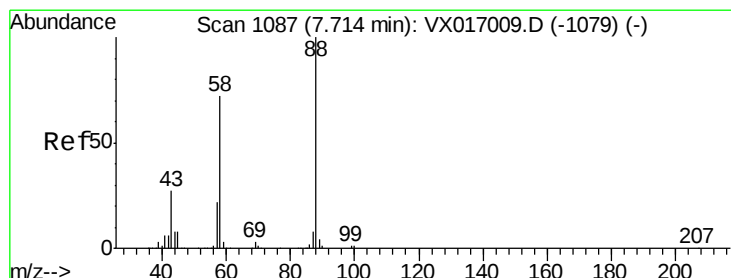
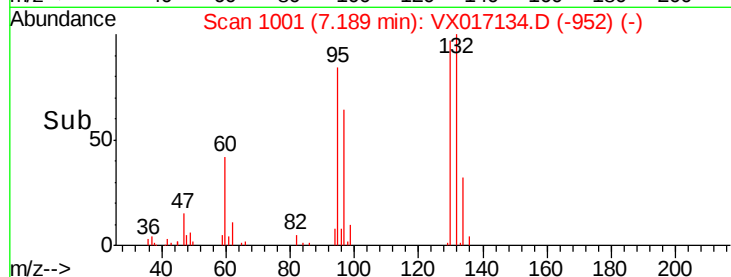
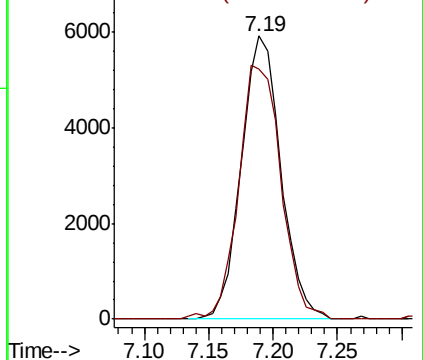
130 100

95 88.5 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.339 ug/l

RT: 7.63 min Scan# 1073

Delta R.T. -0.09 min

Lab File: VX017134.D

Acq: 02 Jul 2020 05:40

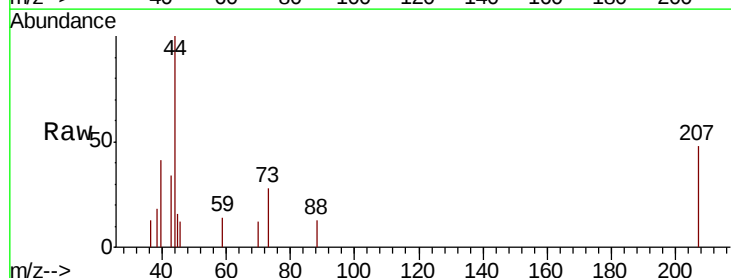
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 840.0 25.8 38.8#

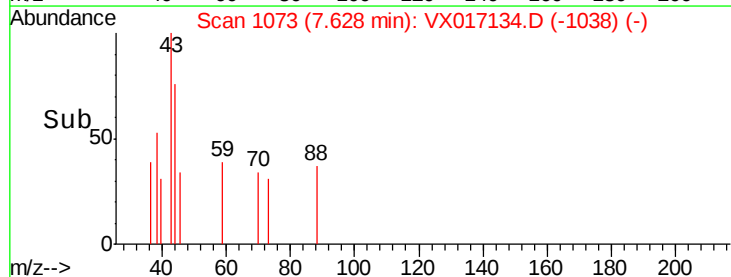
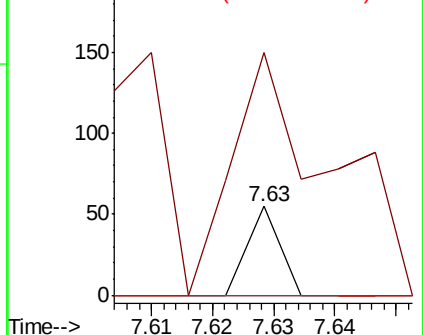
58 0.0 54.8 82.2#

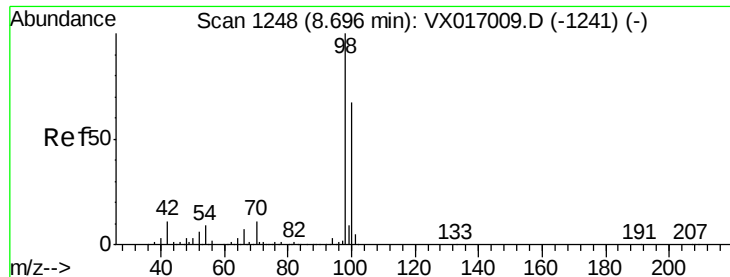


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.517 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017134.D

Acq: 02 Jul 2020 05:40

Instrument :

MSVOA_X

ClientSampleId :

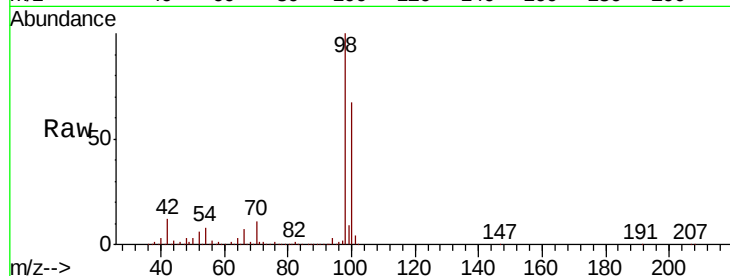
60BR-20200629

Tot Ion: 98 Resp: 422105

Ion Ratio Lower Upper

98 100

100 66.9 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

300000

250000

200000

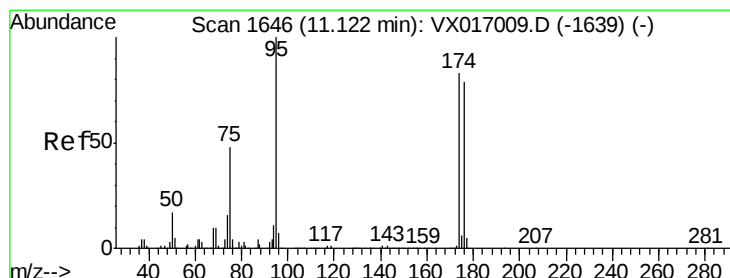
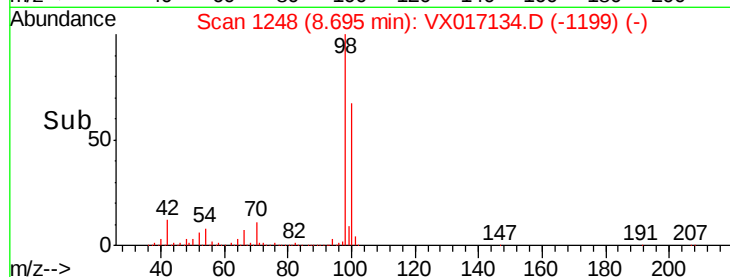
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 55.295 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017134.D

Acq: 02 Jul 2020 05:40

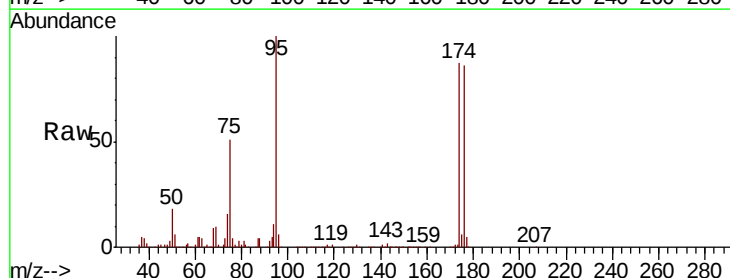
Tgt Ion: 95 Resp: 173737

Ion Ratio Lower Upper

95 100

174 84.7 0.0 164.0

176 82.4 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

11.12

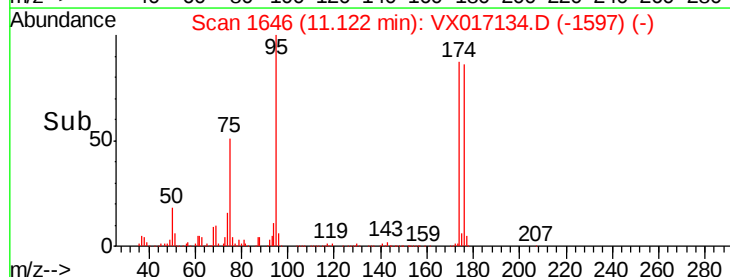
150000

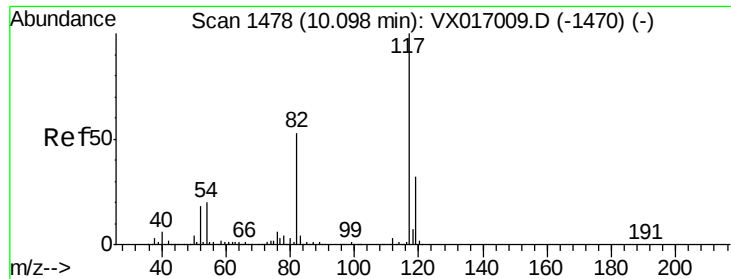
100000

50000

0

Time--> 11.05 11.10 11.15 11.20

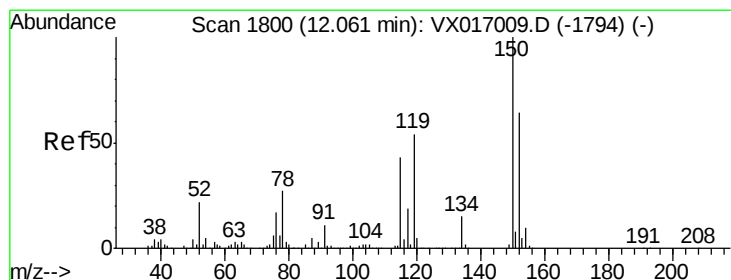
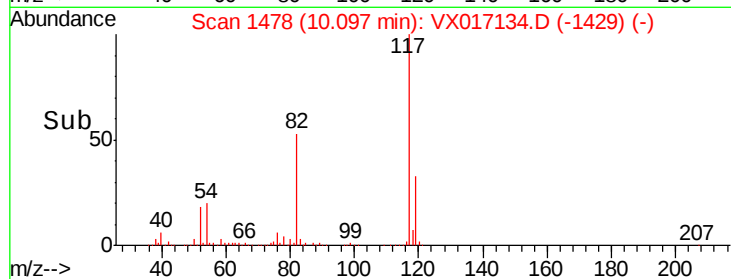
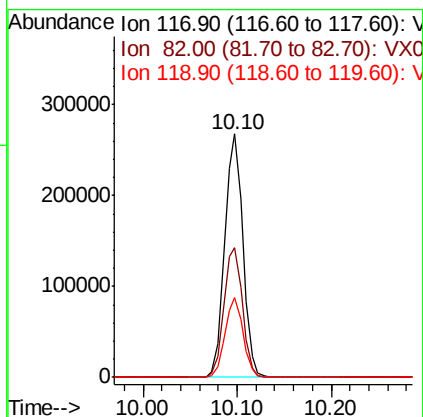
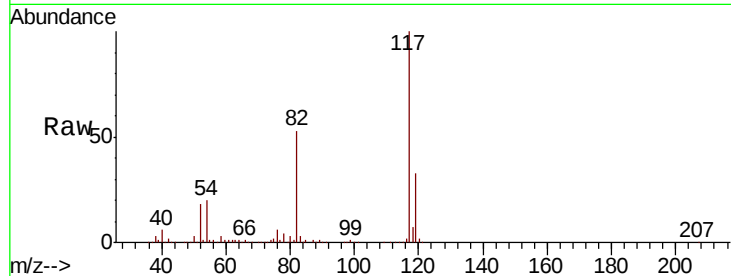




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017134.D
Acq: 02 Jul 2020 05:40

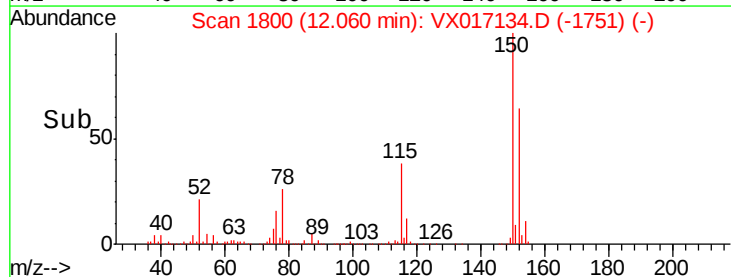
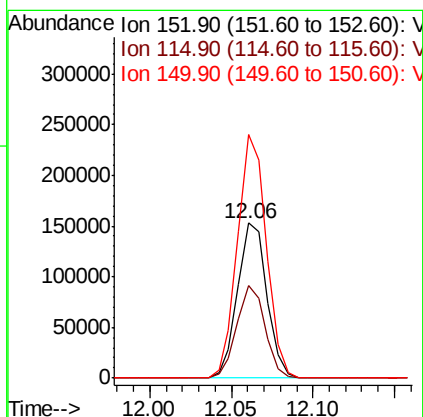
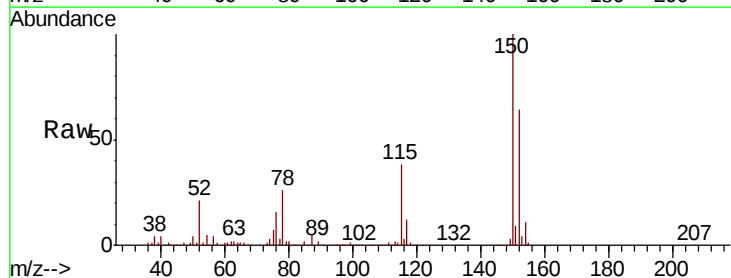
Instrument :
MSVOA_X
ClientSampleId :
60BR-20200629

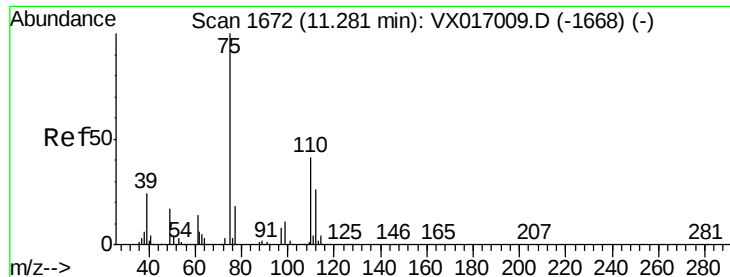
Tot Ion:117 Resp: 358051
Ion Ratio Lower Upper
117 100
82 53.2 42.6 63.8
119 32.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017134.D
Acq: 02 Jul 2020 05:40

Tgt Ion:152 Resp: 192449
Ion Ratio Lower Upper
152 100
115 57.5 40.9 122.7
150 154.2 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 23.462 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017134.D

Acq: 02 Jul 2020 05:40

Instrument :

MSVOA_X

ClientSampleId :

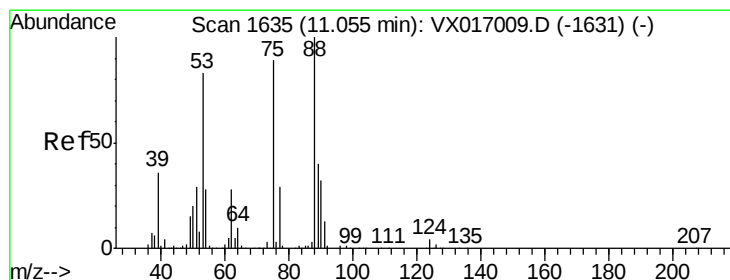
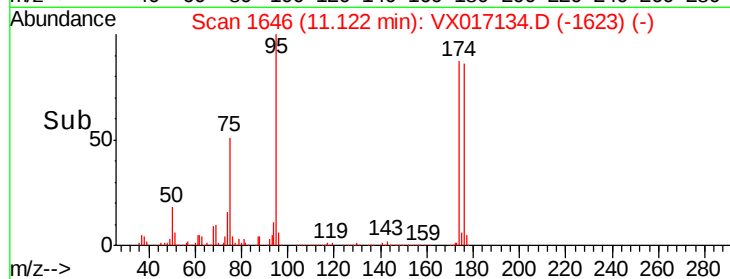
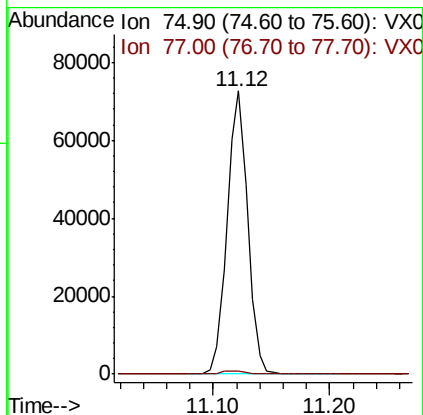
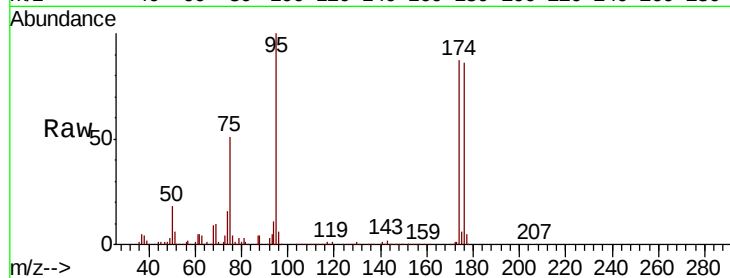
60BR-20200629

Tot Ion: 75 Resp: 88791

Ion Ratio Lower Upper

75 100

77 1.5 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.759 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017134.D

Acq: 02 Jul 2020 05:40

Tgt Ion: 75 Resp: 88791

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

89 0.0 37.0 55.4#

