

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070620\
 Data File : VX017170.D
 Acq On : 06 Jul 2020 16:03
 Operator : JC/SP
 Sample : L3159-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 65BR-20200629

Quant Time: Jul 07 07:10:23 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	281538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	467229	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	473798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	271364	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	172740	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
35) Dibromofluoromethane	5.47	113	148215	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
50) Toluene-d8	8.70	98	556537	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.12	95	239836	56.14	ug/l	0.00
Spiked Amount			Recovery	=	112.28%	

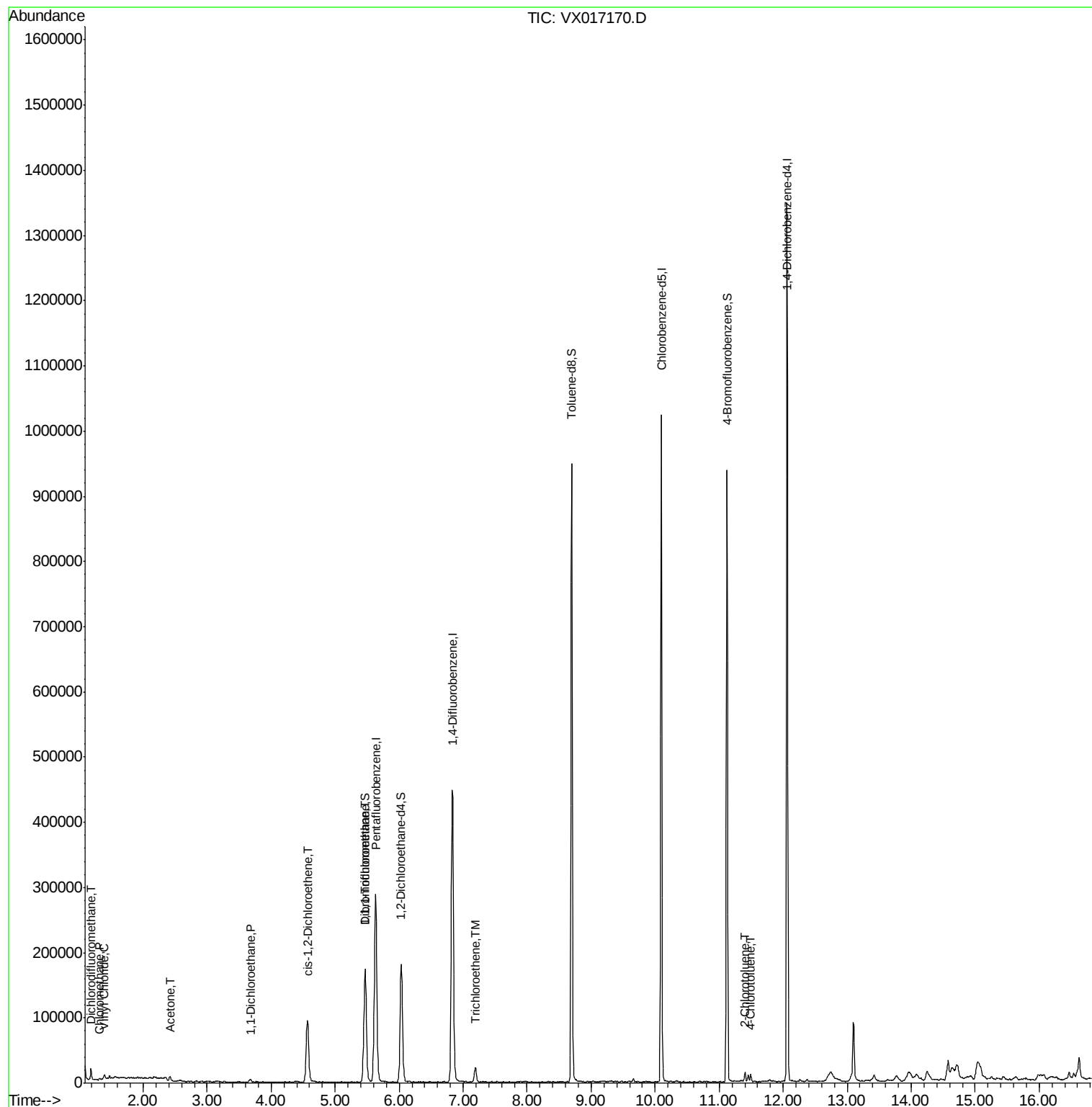
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	7727	2.837	ug/l	95
3) Chloromethane	1.31	50	1386	0.420	ug/l #	77
4) Vinyl Chloride	1.39	62	4282	1.400	ug/l	92
16) Acetone	2.42	43	7156	5.511	ug/l	91
24) 1,1-Dichloroethane	3.68	63	3992	0.736	ug/l #	93
27) cis-1,2-Dichloroethene	4.57	96	61768	17.636	ug/l	89
32) 1,1,1-Trichloroethane	5.46	97	1569	0.307	ug/l #	45
44) Trichloroethene	7.20	130	8177	1.987	ug/l	96
79) 2-Chlorotoluene	11.40	91	6309	0.519	ug/l	94
82) 4-Chlorotoluene	11.49	91	4144	0.285	ug/l	86

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

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Quant Time: Jul 07 07:10:23 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: VX017170.D

Acq: 06 Jul 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

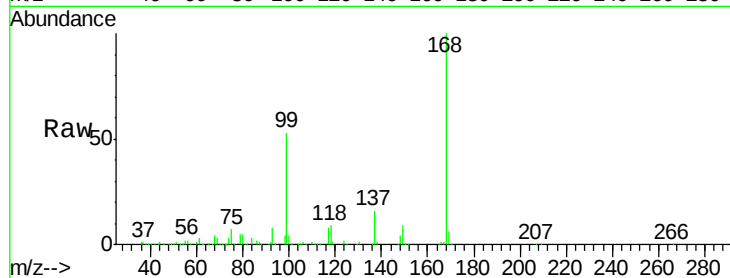
65BR-20200629

Tot Ion:168 Resp: 281538

Ion Ratio Lower Upper

168 100

99 53.3 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

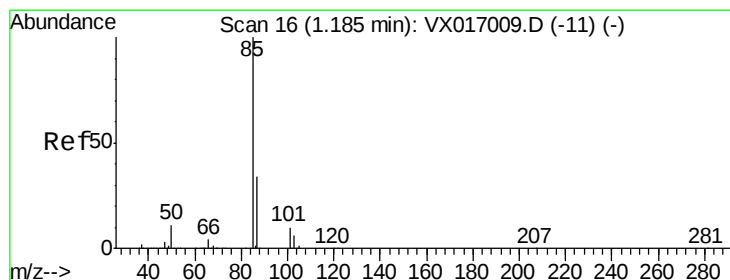
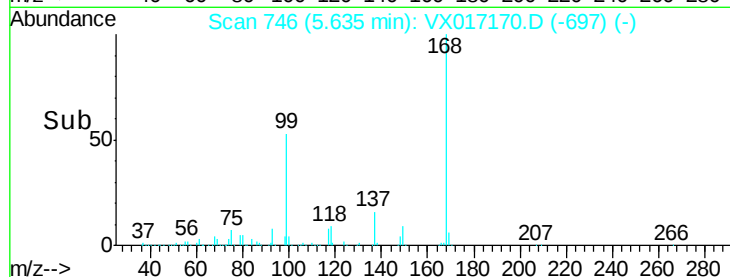
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.837 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017170.D

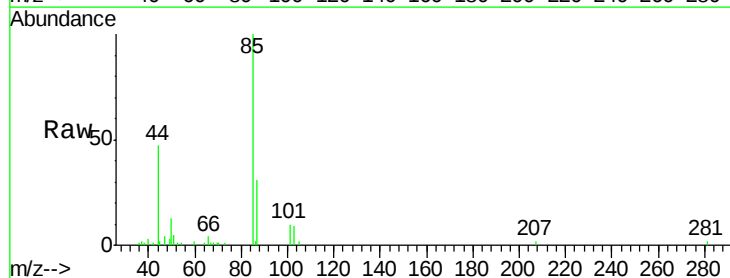
Acq: 06 Jul 2020 16:03

Tgt Ion: 85 Resp: 7727

Ion Ratio Lower Upper

85 100

87 30.5 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

10000

8000

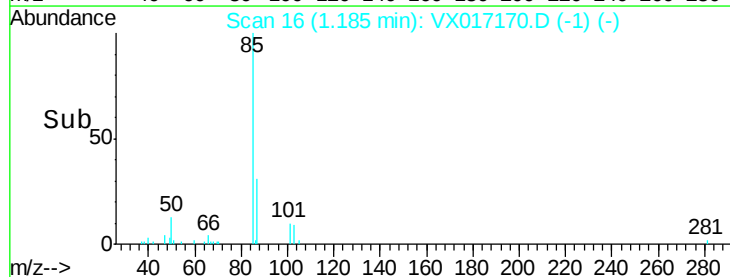
6000

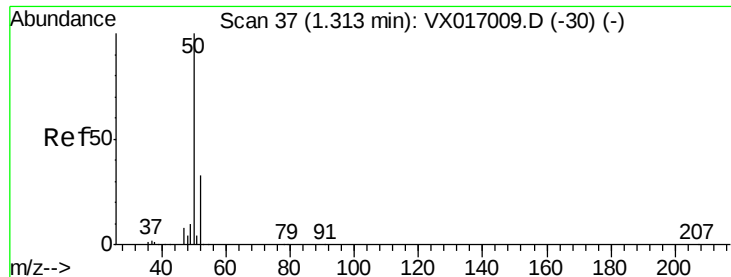
4000

2000

0

Time-->





#3

Chloromethane

Concen: 0.420 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017170.D

Acq: 06 Jul 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

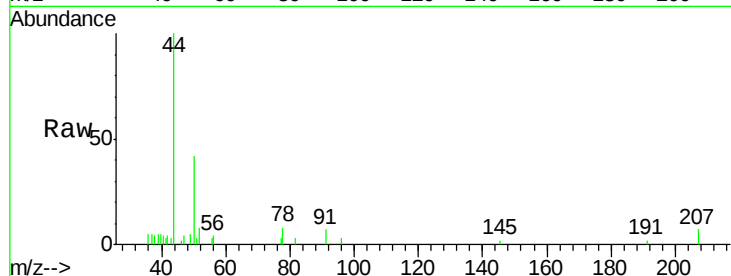
65BR-20200629

Tot Ion: 50 Resp: 1386

Ion Ratio Lower Upper

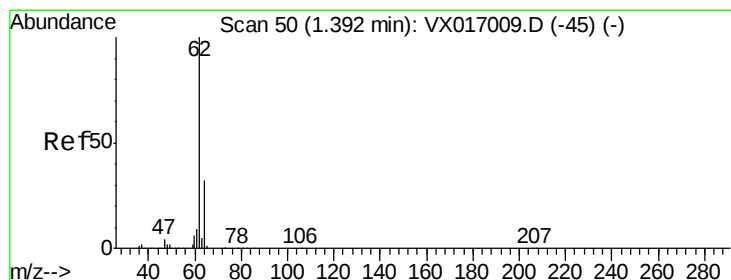
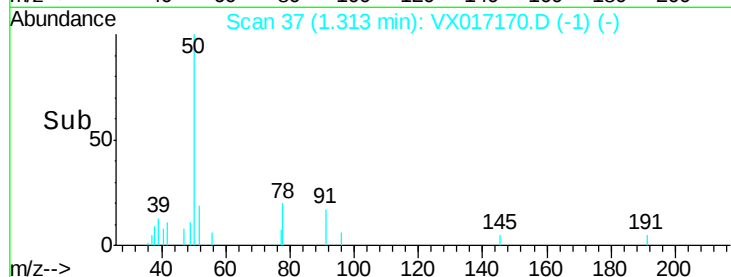
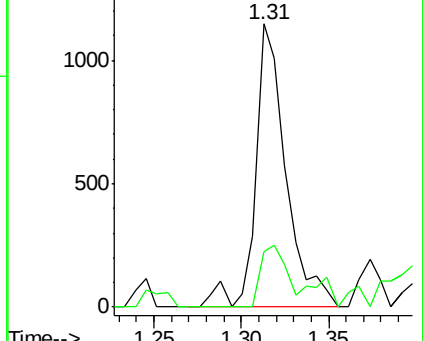
50 100

52 19.4 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1.400 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017170.D

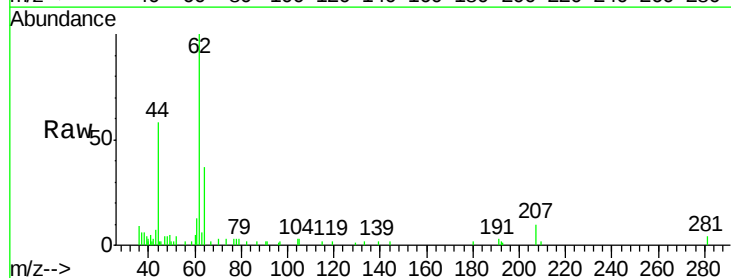
Acq: 06 Jul 2020 16:03

Tgt Ion: 62 Resp: 4282

Ion Ratio Lower Upper

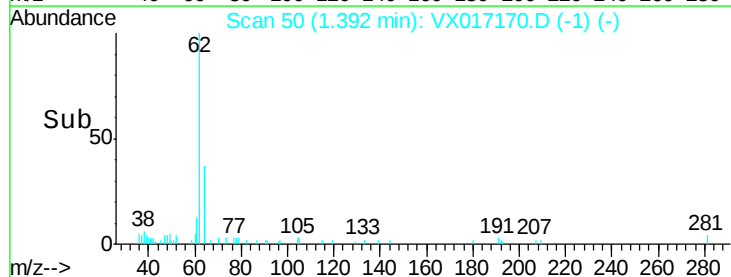
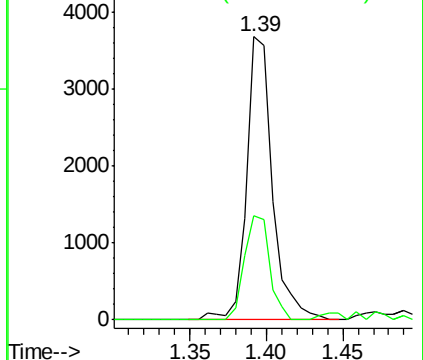
62 100

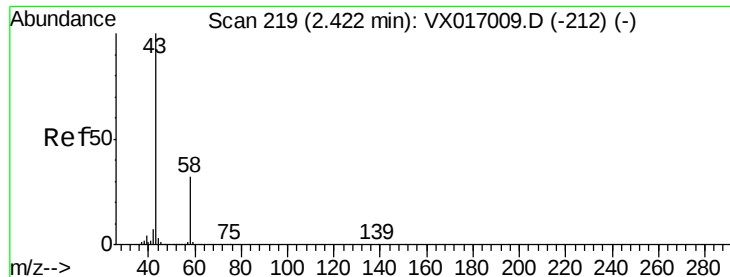
64 36.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#16

Acetone

Concen: 5.511 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017170.D

Acq: 06 Jul 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

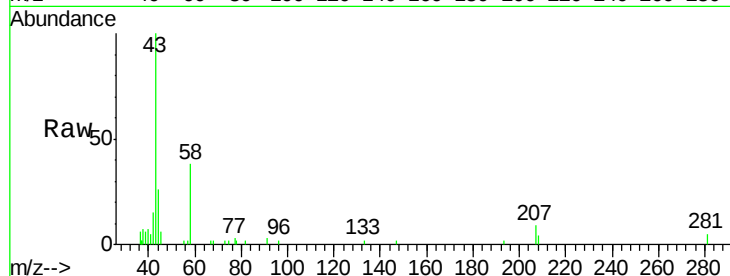
65BR-20200629

Tot Ion: 43 Resp: 7156

Ion Ratio Lower Upper

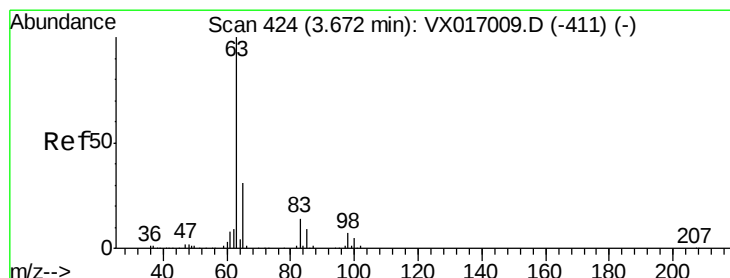
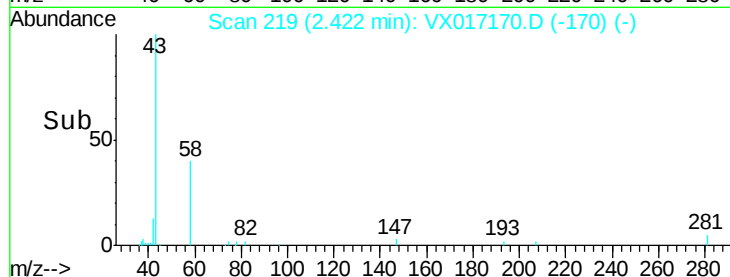
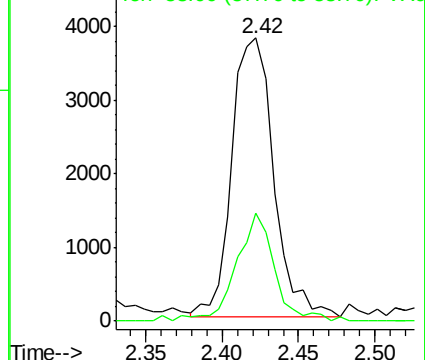
43 100

58 37.2 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#24

1,1-Dichloroethane

Concen: 0.736 ug/l

RT: 3.68 min Scan# 425

Delta R.T. 0.01 min

Lab File: VX017170.D

Acq: 06 Jul 2020 16:03

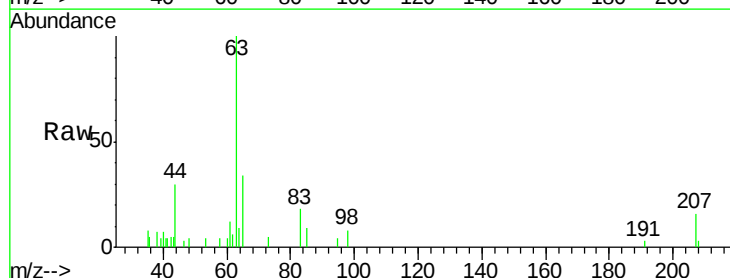
Tgt Ion: 63 Resp: 3992

Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.8

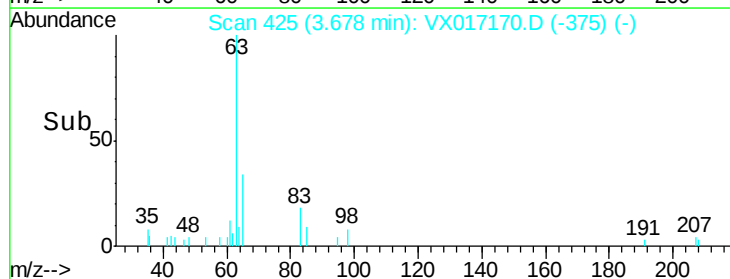
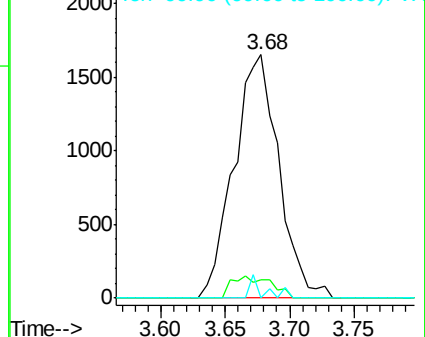
100 0.0 2.4 7.1#

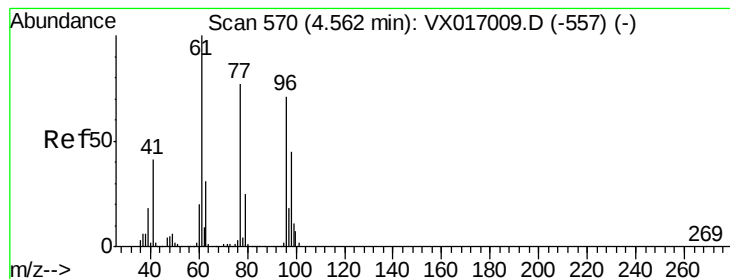


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 17.636 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX017170.D

Acq: 06 Jul 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

65BR-20200629

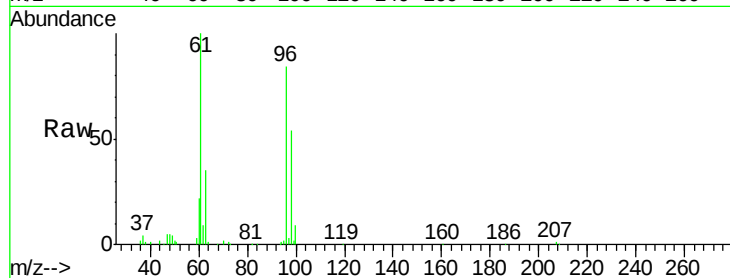
Tot Ion: 96 Resp: 61768

Ion Ratio Lower Upper

96 100

61 123.4 0.0 282.8

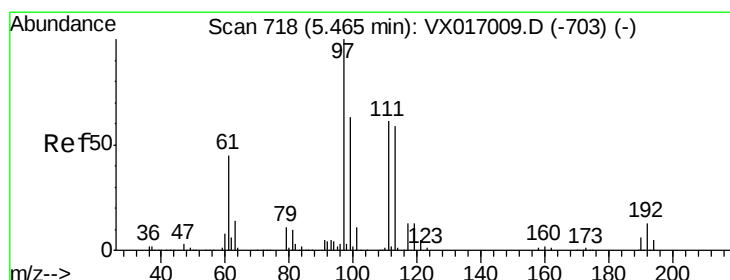
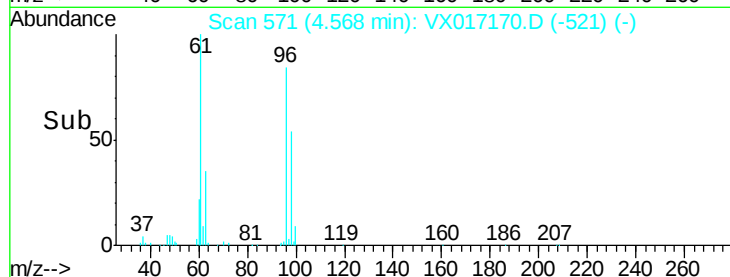
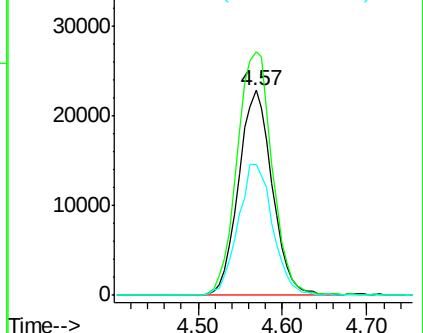
98 65.7 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#32

1,1,1-Trichloroethane

Concen: 0.307 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017170.D

Acq: 06 Jul 2020 16:03

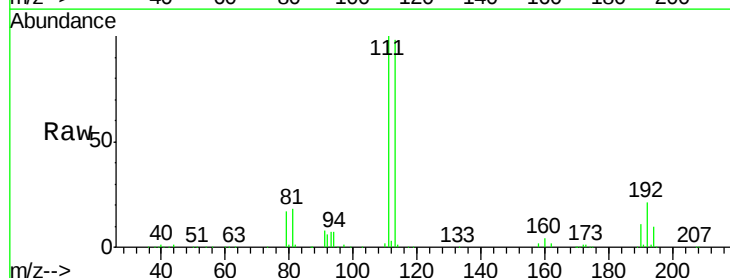
Tgt Ion: 97 Resp: 1569

Ion Ratio Lower Upper

97 100

99 0.0 50.8 76.2#

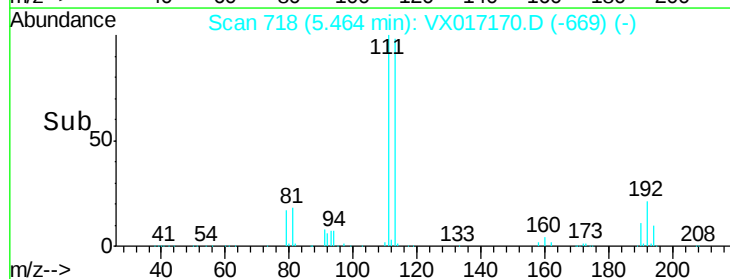
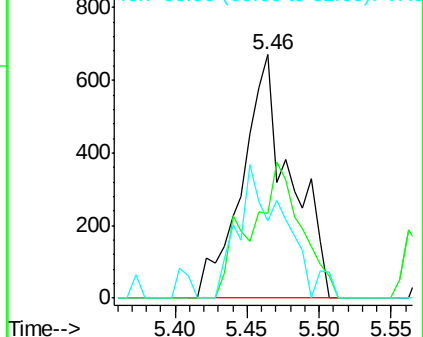
61 52.3 33.7 50.5#

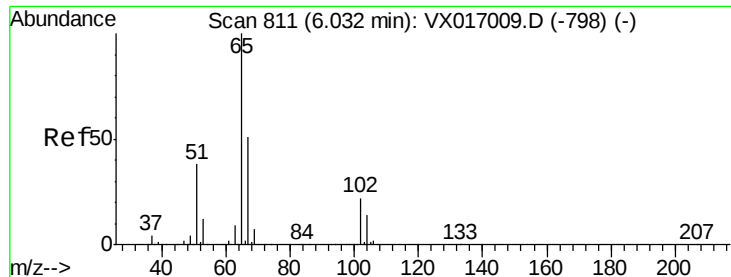


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.770 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017170.D

Acq: 06 Jul 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

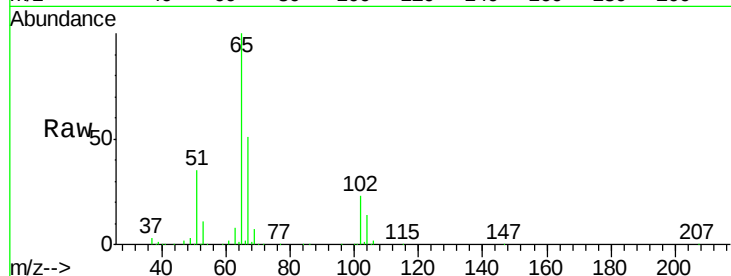
65BR-20200629

Tot Ion: 65 Resp: 172740

Ion Ratio Lower Upper

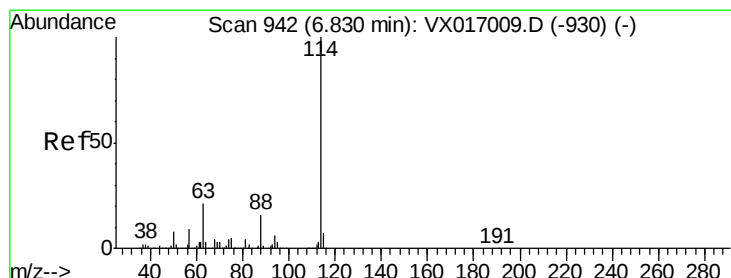
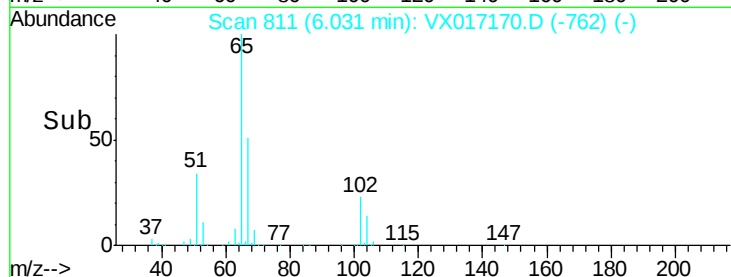
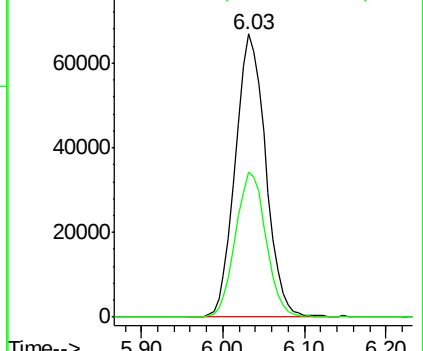
65 100

67 51.5 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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017170.D

Acq: 06 Jul 2020 16:03

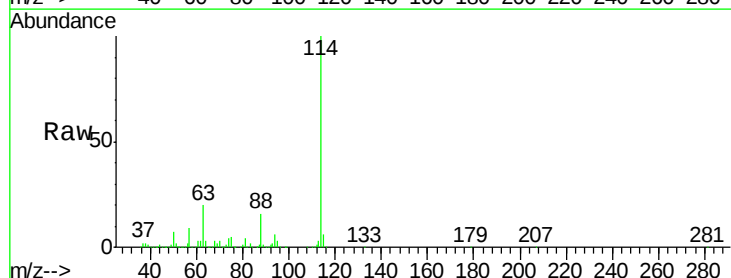
Tgt Ion: 114 Resp: 467229

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

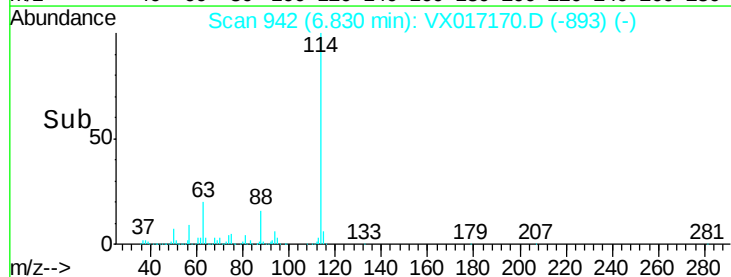
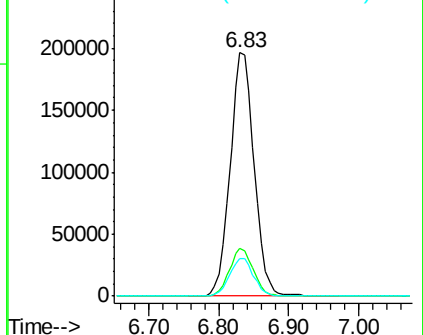
88 15.5 0.0 32.4

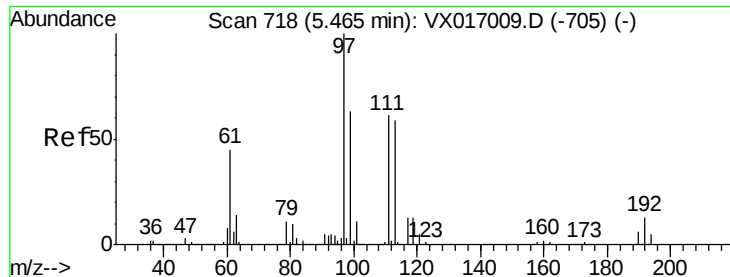


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.148 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017170.D

Acq: 06 Jul 2020 16:03

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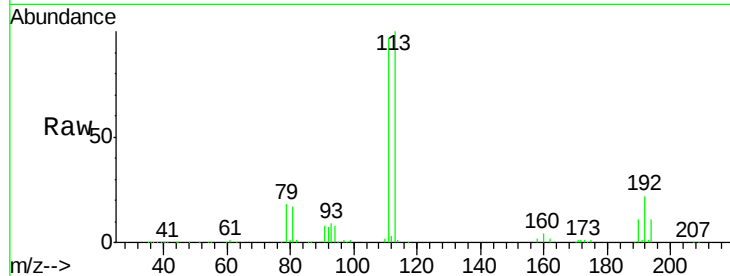
Tot Ion:113 Resp: 148215

Ion Ratio Lower Upper

113 100

111 101.2 81.9 122.9

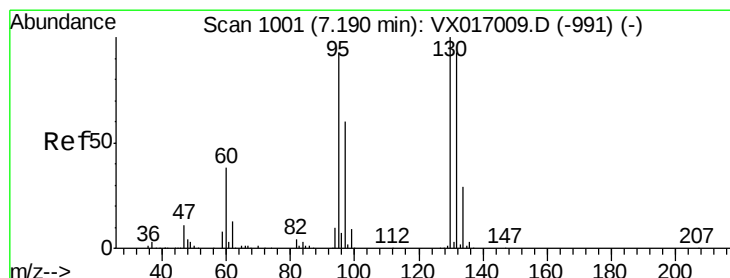
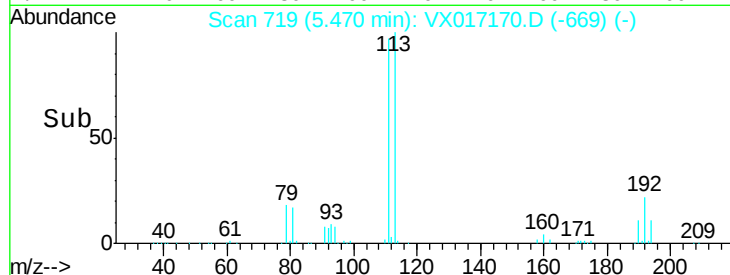
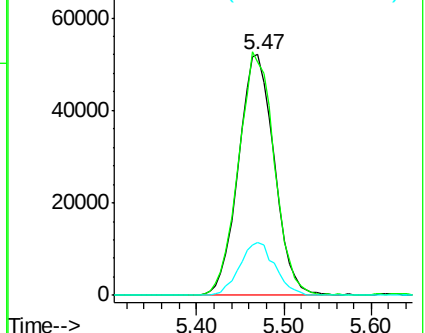
192 21.9 16.7 25.1



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



#44

Trichloroethene

Concen: 1.987 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX017170.D

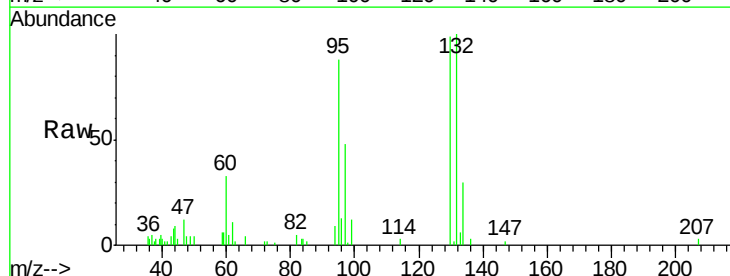
Acq: 06 Jul 2020 16:03

Tgt Ion:130 Resp: 8177

Ion Ratio Lower Upper

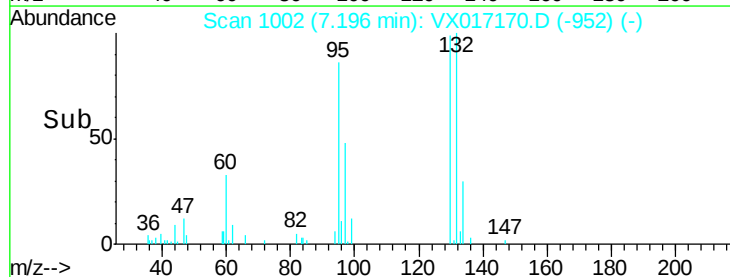
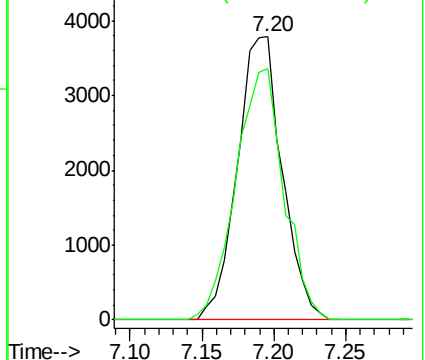
130 100

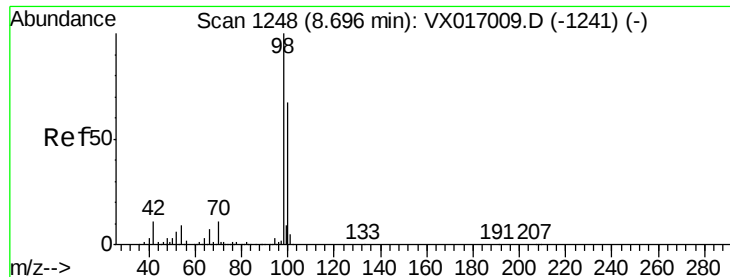
95 88.7 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.923 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017170.D

Acq: 06 Jul 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

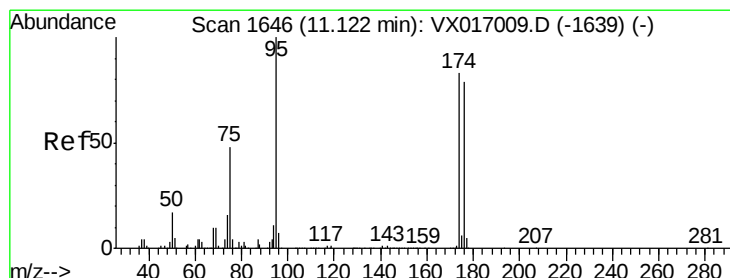
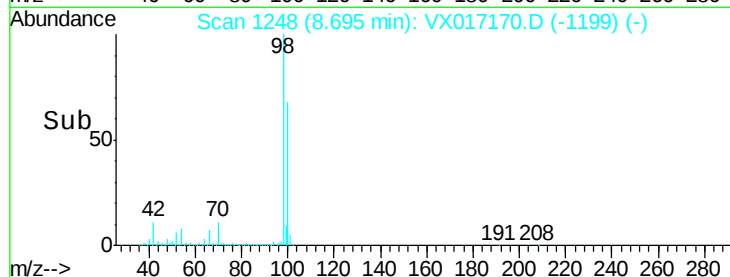
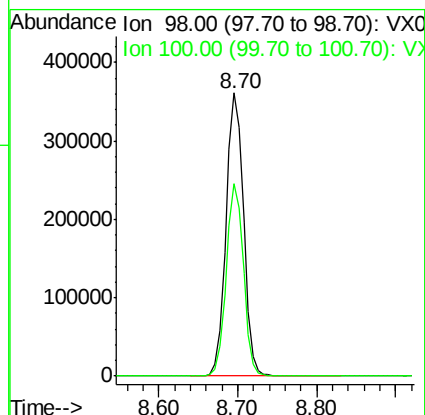
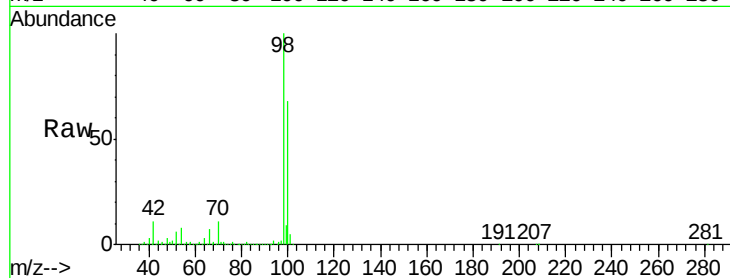
65BR-20200629

Tot Ion: 98 Resp: 556537

Ion Ratio Lower Upper

98 100

100 66.8 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 56.138 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017170.D

Acq: 06 Jul 2020 16:03

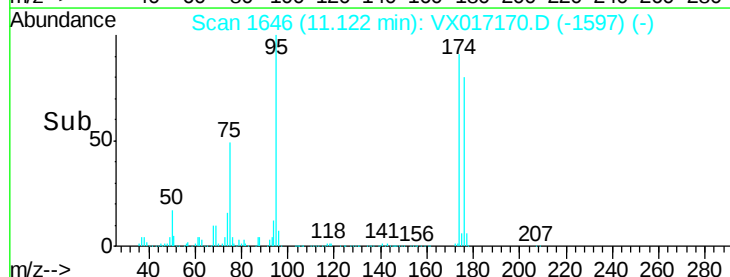
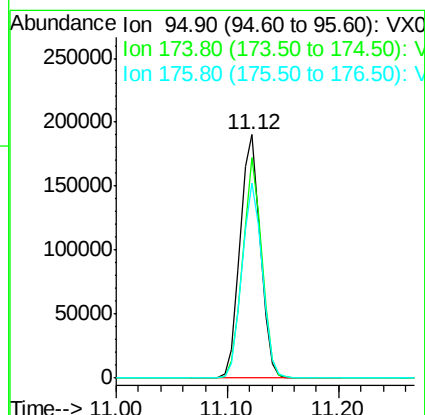
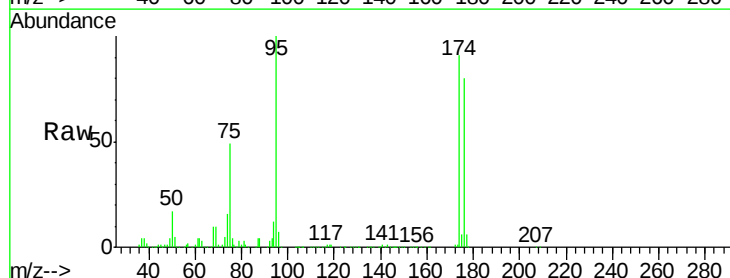
Tgt Ion: 95 Resp: 239836

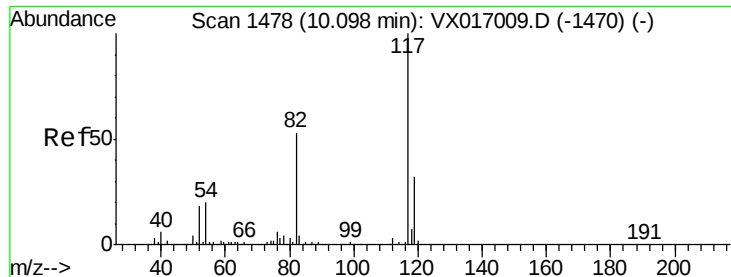
Ion Ratio Lower Upper

95 100

174 86.3 0.0 164.0

176 80.3 0.0 157.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017170.D

Acq: 06 Jul 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

65BR-20200629

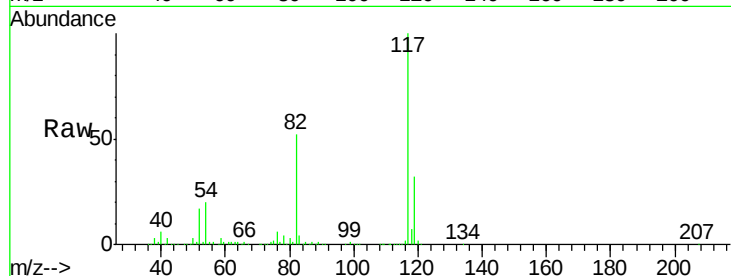
Tot Ion:117 Resp: 473798

Ion Ratio Lower Upper

117 100

82 52.4 42.6 63.8

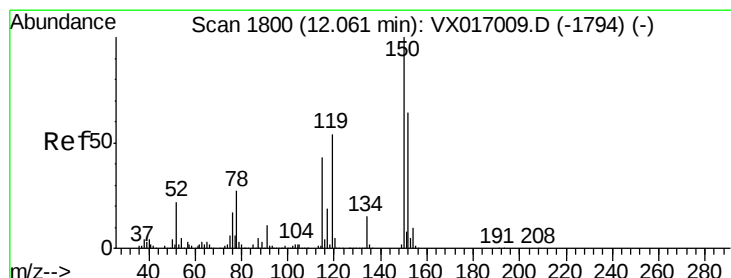
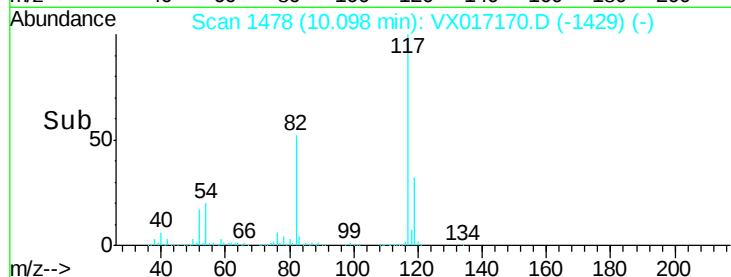
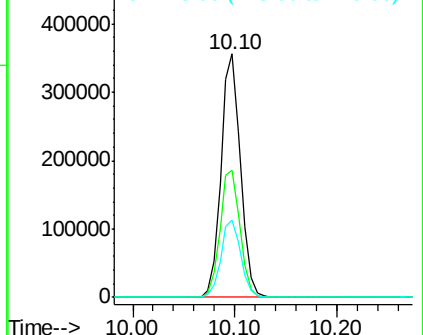
119 31.6 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VX017170.D

Acq: 06 Jul 2020 16:03

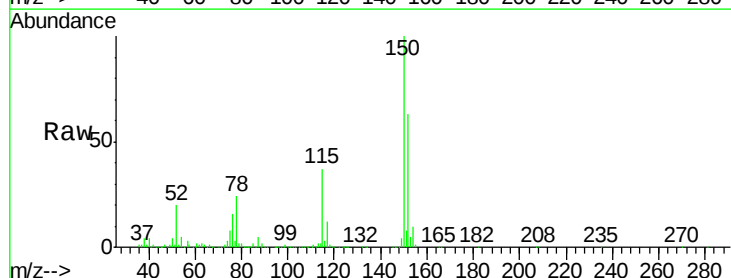
Tgt Ion:152 Resp: 271364

Ion Ratio Lower Upper

152 100

115 57.6 40.9 122.7

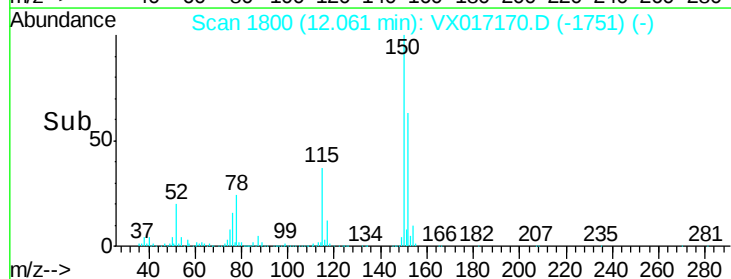
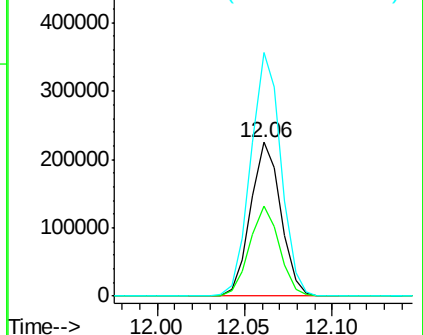
150 158.2 0.0 351.6

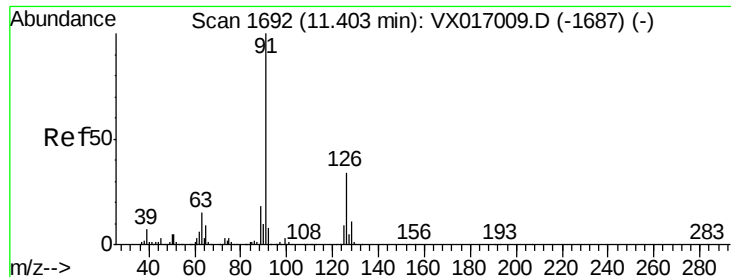


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

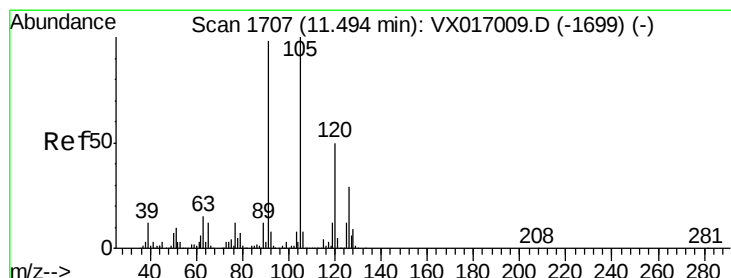
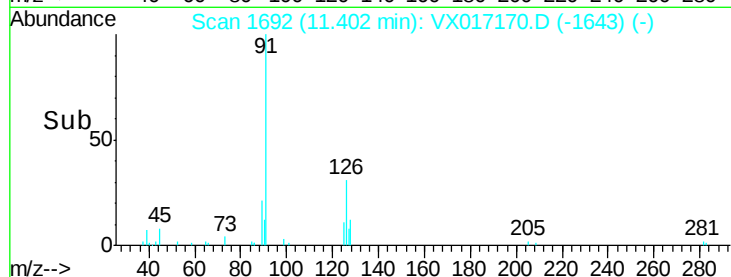
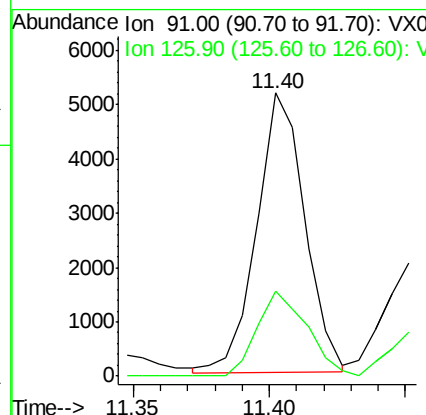
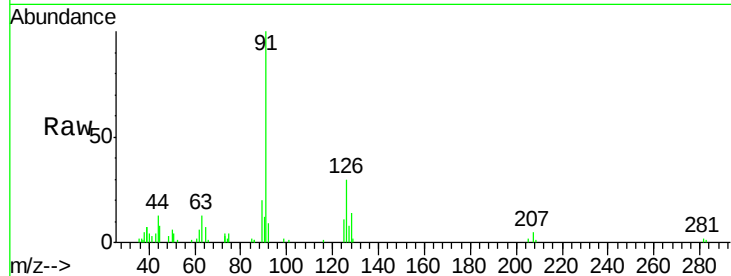




#79
2-Chlorotoluene
Concen: 0.519 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX017170.D
Acq: 06 Jul 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
65BR-20200629

Tot Ion: 91 Resp: 6309
Ion Ratio Lower Upper
91 100
126 31.2 17.4 52.3



#82
4-Chlorotoluene
Concen: 0.285 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX017170.D
Acq: 06 Jul 2020 16:03

Tgt Ion: 91 Resp: 4144
Ion Ratio Lower Upper
91 100
126 37.9 15.2 45.5

