

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016989.D
 Acq On : 26 Jun 2020 17:23
 Operator : JC/SP
 Sample : L3097-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 25BR-20200623

Quant Time: Jun 27 05:02:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:34:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	239421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	433226	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	446876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	234599	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	182345	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	5.47	113	142883	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	8.70	98	542990	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.12	95	229833	56.67	ug/l	0.00
Spiked Amount			Recovery	=	113.34%	

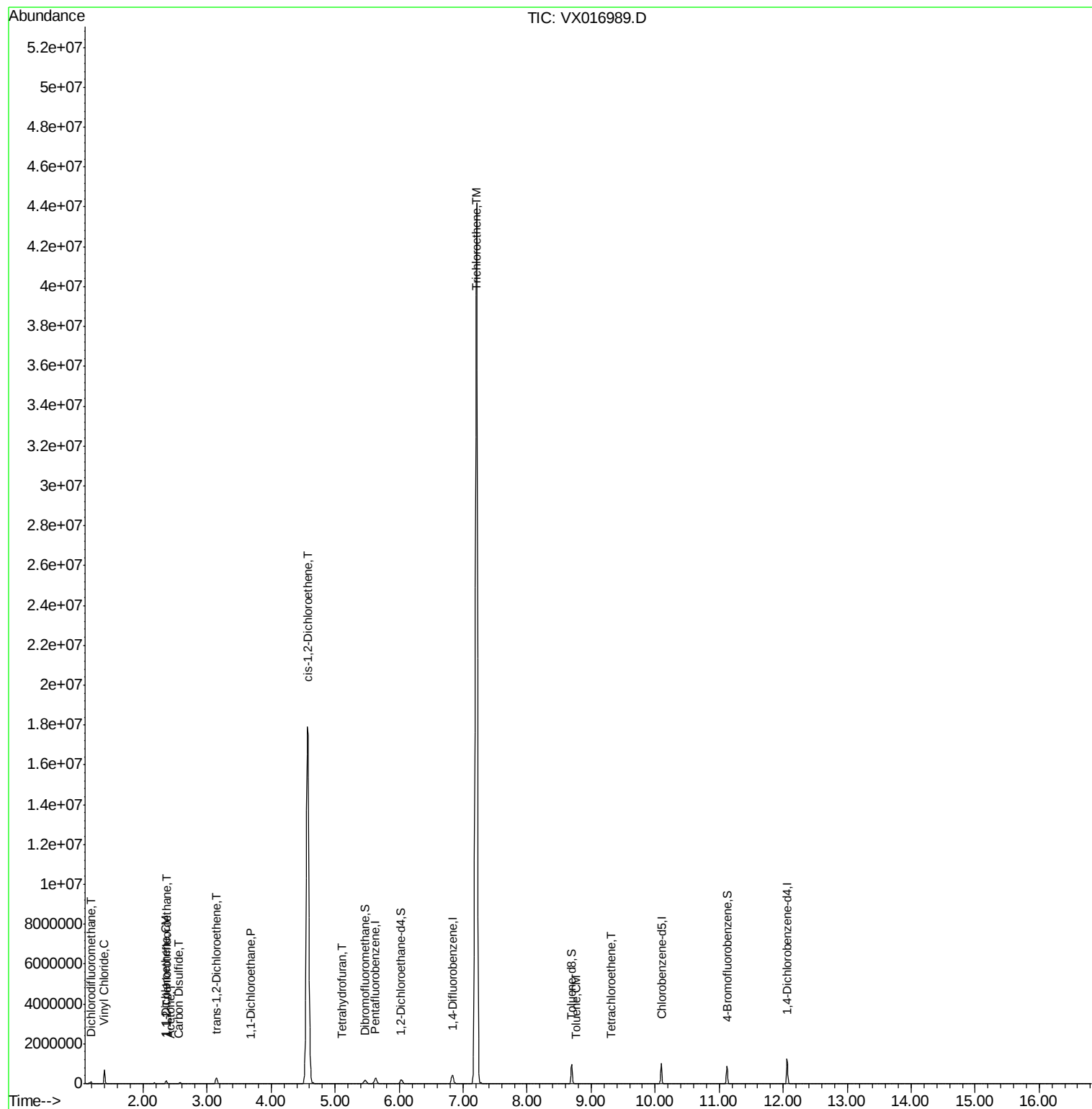
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	52988	23.222	ug/l	97
4) Vinyl Chloride	1.39	62	433186	144.189	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4013	1.530	ug/l	90
12) 1,1-Dichloroethene	2.36	96	42521	16.023	ug/l	94
16) Acetone	2.42	43	10772	7.622	ug/l	99
17) Carbon Disulfide	2.56	76	2289	0.272	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	118097	39.387	ug/l	96
24) 1,1-Dichloroethane	3.68	63	1138	0.209	ug/l #	80
27) cis-1,2-Dichloroethene	4.57	96	11502440	3471.589	ug/l	87
29) Tetrahydrofuran	5.10	42	10790	7.620	ug/l	98
44) Trichloroethene	7.21	130	18633494	5666.266	ug/l	97
52) Toluene	8.77	92	1726	0.227	ug/l	88
64) Tetrachloroethene	9.32	164	2706	0.895	ug/l	90

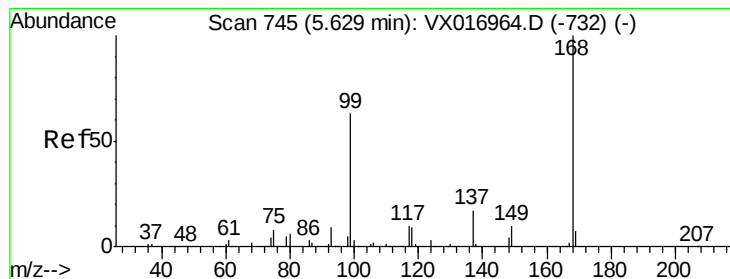
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062620\
Data File : VX016989.D
Acq On : 26 Jun 2020 17:23
Operator : JC/SP
Sample : L3097-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
25BR-20200623

Quant Time: Jun 27 05:02:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 26 08:34:16 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016989.D

Acq: 26 Jun 2020 17:23

Instrument :

MSVOA_X

ClientSampleId :

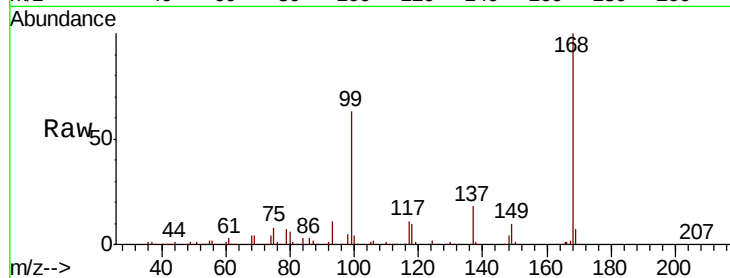
25BR-20200623

Tot Ion:168 Resp: 239421

Ion Ratio Lower Upper

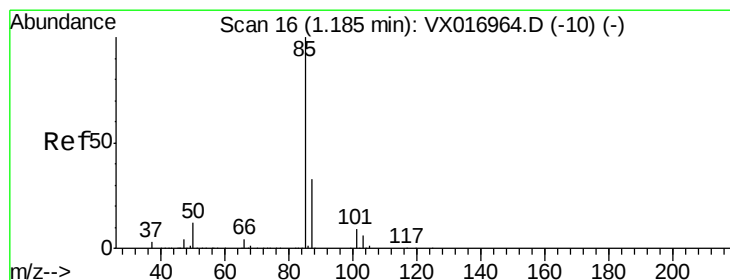
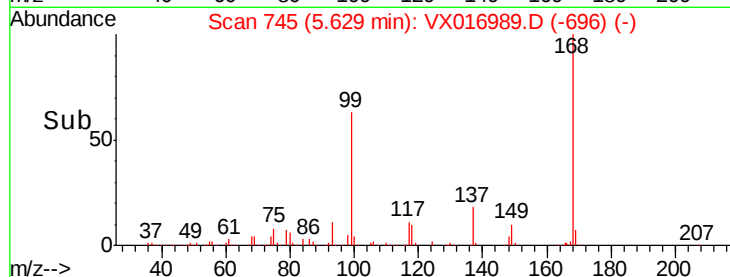
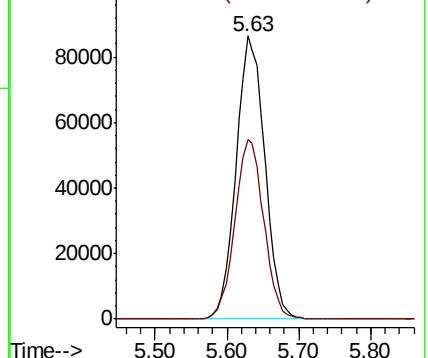
168 100

99 63.5 50.2 75.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 23.222 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016989.D

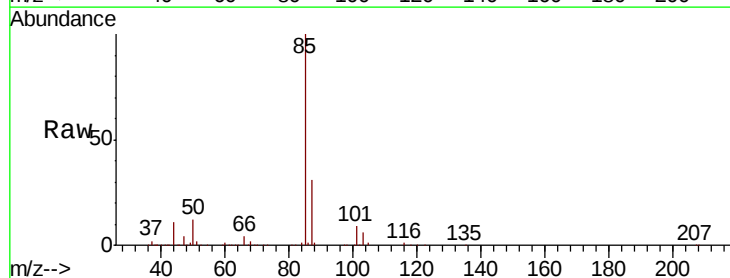
Acq: 26 Jun 2020 17:23

Tgt Ion: 85 Resp: 52988

Ion Ratio Lower Upper

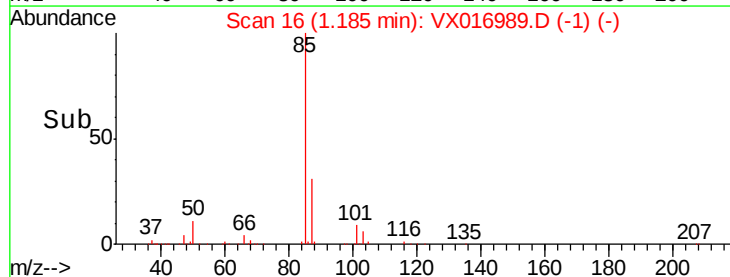
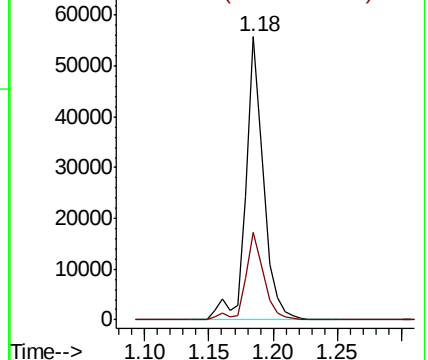
85 100

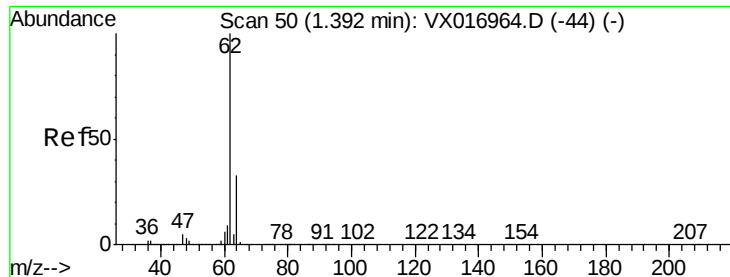
87 31.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#4

Vinyl Chloride

Concen: 144.189 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016989.D

Acq: 26 Jun 2020 17:23

Instrument :

MSVOA_X

ClientSampleId :

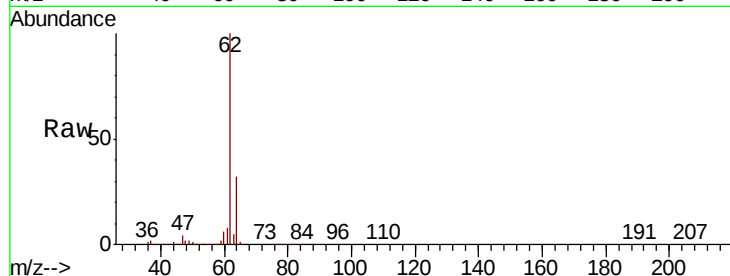
25BR-20200623

Tot Ion: 62 Resp: 433186

Ion Ratio Lower Upper

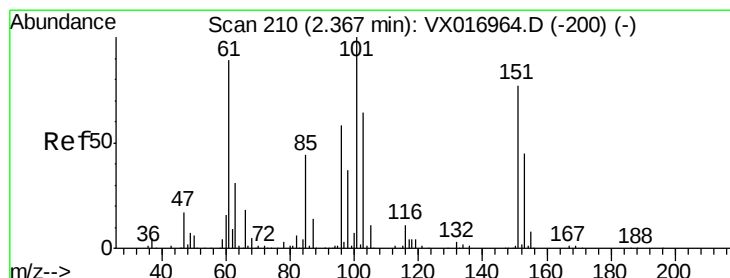
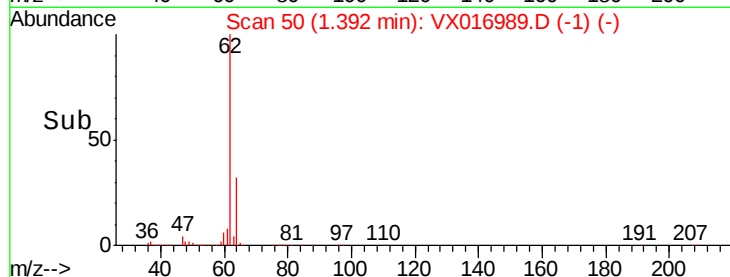
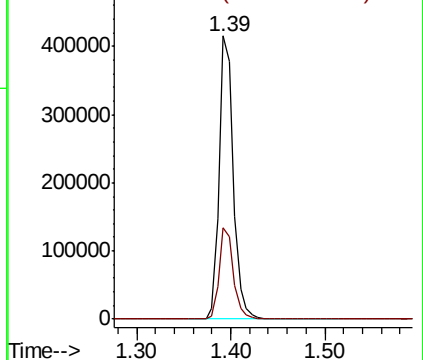
62 100

64 32.3 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.530 ug/l

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX016989.D

Acq: 26 Jun 2020 17:23

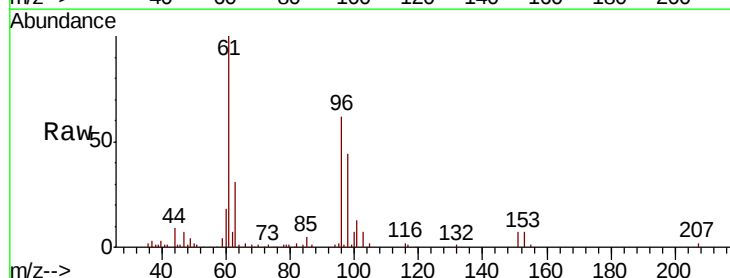
Tgt Ion:101 Resp: 4013

Ion Ratio Lower Upper

101 100

85 43.5 36.8 55.2

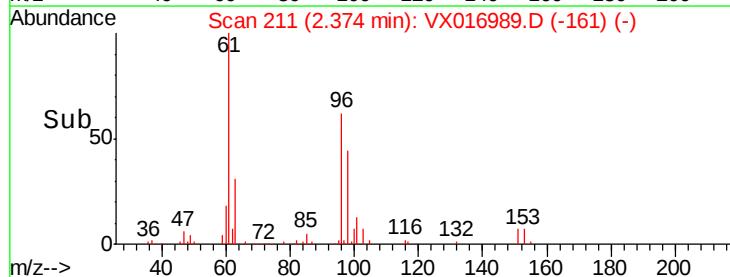
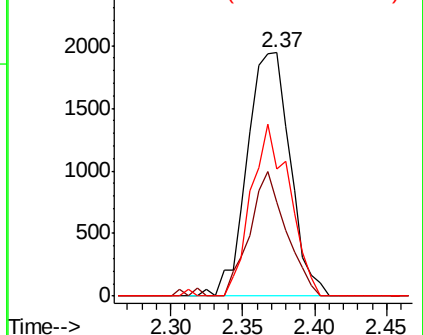
151 63.2 59.8 89.6

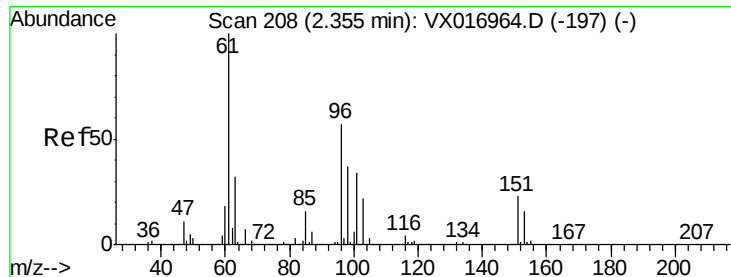


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 16.023 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016989.D

Acq: 26 Jun 2020 17:23

Instrument :

MSVOA_X

ClientSampleId :

25BR-20200623

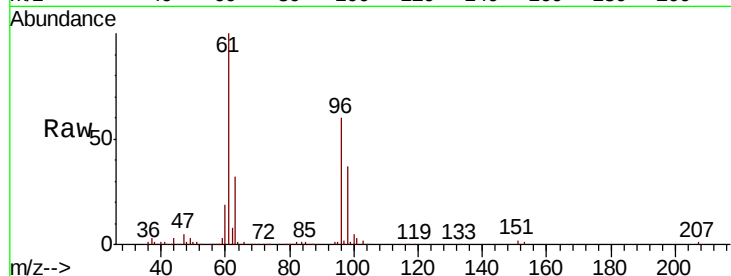
Tot Ion: 96 Resp: 42521

Ion Ratio Lower Upper

96 100

61 165.4 139.7 209.5

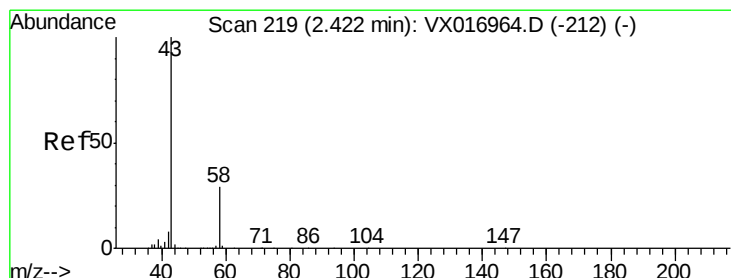
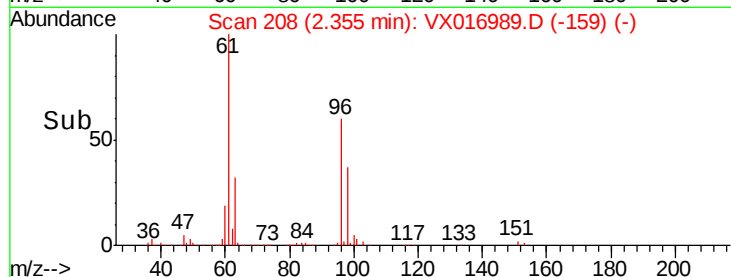
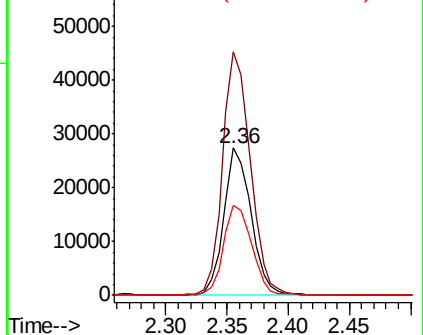
98 61.1 51.0 76.6



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



#16

Acetone

Concen: 7.622 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016989.D

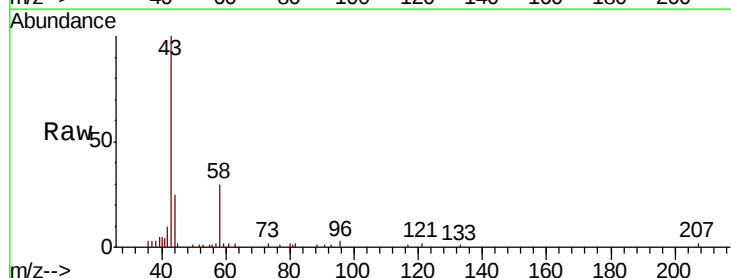
Acq: 26 Jun 2020 17:23

Tgt Ion: 43 Resp: 10772

Ion Ratio Lower Upper

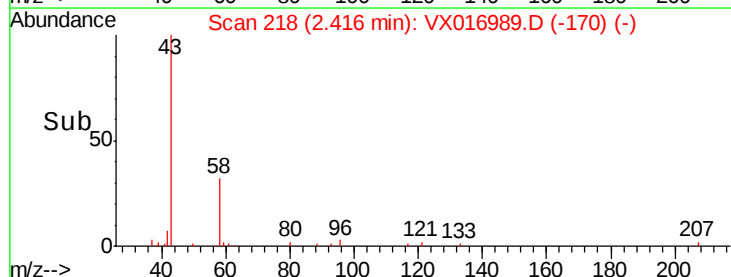
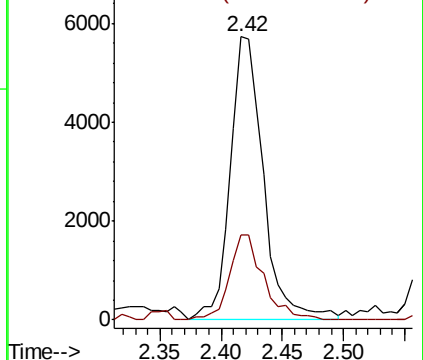
43 100

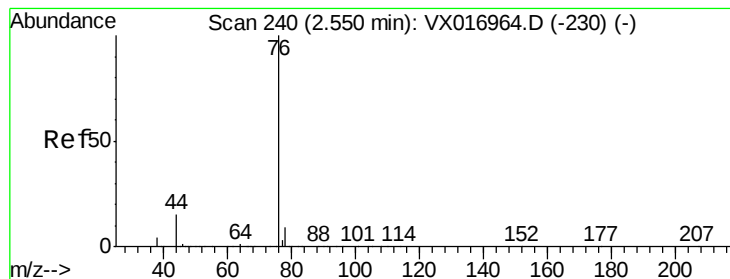
58 29.8 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.272 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016989.D

Acq: 26 Jun 2020 17:23

Instrument :

MSVOA_X

ClientSampleId :

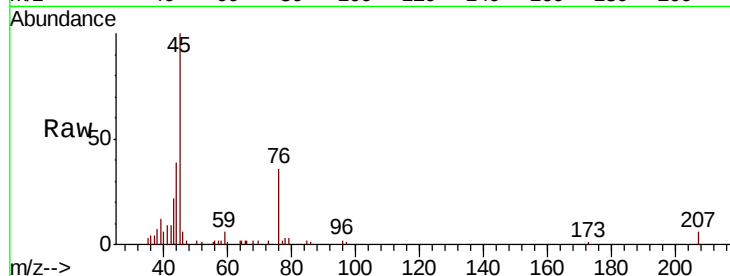
25BR-20200623

Tot Ion: 76 Resp: 2289

Ion Ratio Lower Upper

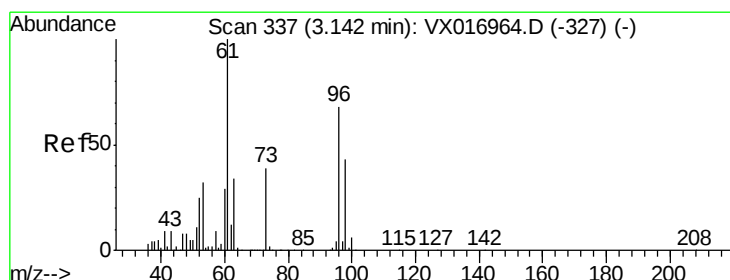
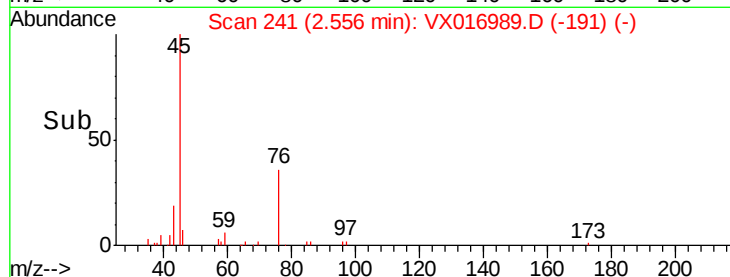
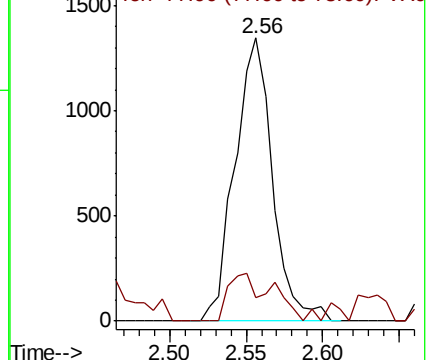
76 100

78 8.3 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 39.387 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016989.D

Acq: 26 Jun 2020 17:23

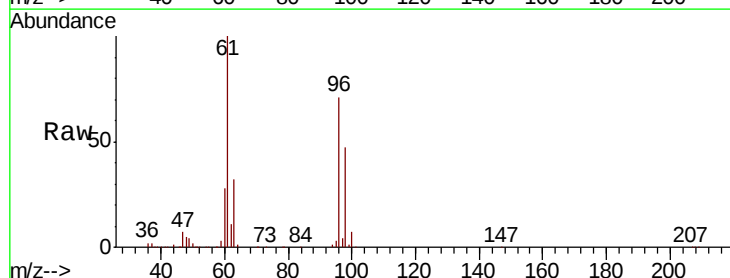
Tgt Ion: 96 Resp: 118097

Ion Ratio Lower Upper

96 100

61 140.3 116.7 175.1

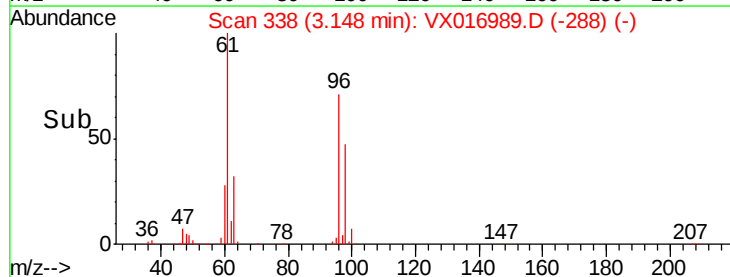
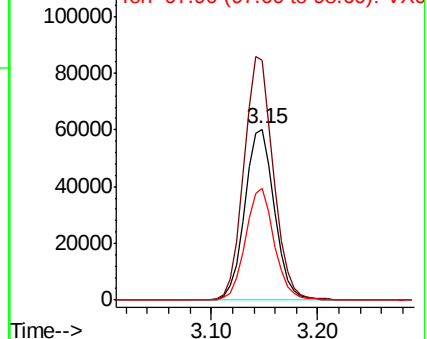
98 65.4 50.7 76.1

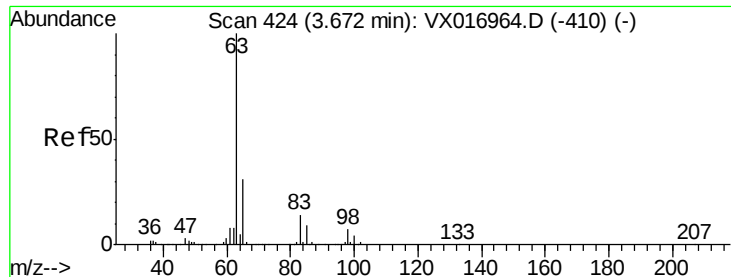


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#24

1,1-Dichloroethane

Concen: 0.209 ug/l

RT: 3.68 min Scan# 425

Delta R.T. 0.01 min

Lab File: VX016989.D

Acq: 26 Jun 2020 17:23

Instrument :

MSVOA_X

ClientSampleId :

25BR-20200623

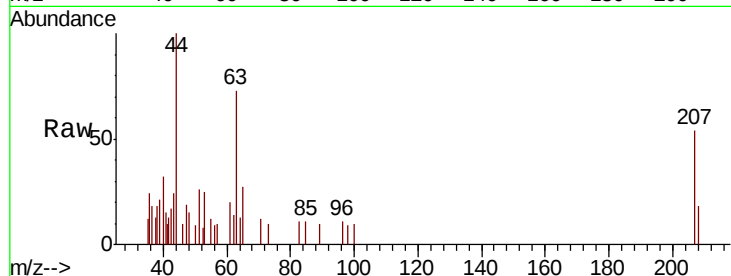
Tot Ion: 63 Resp: 1138

Ion Ratio Lower Upper

63 100

98 12.6 3.6 10.8#

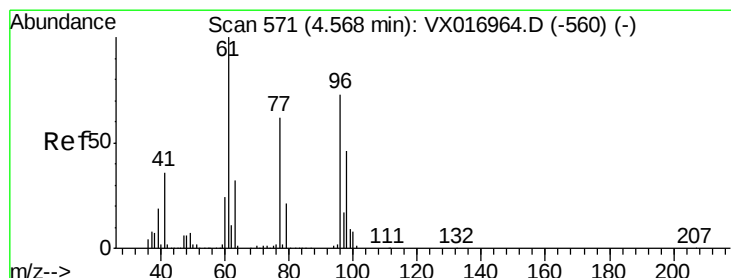
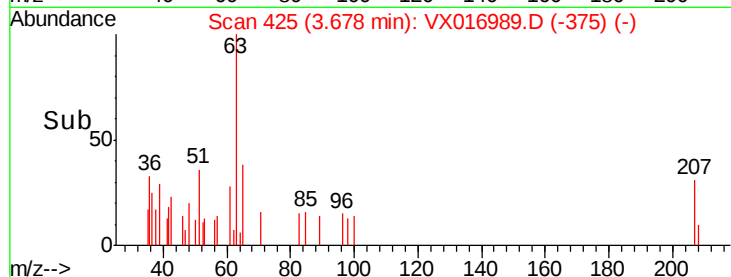
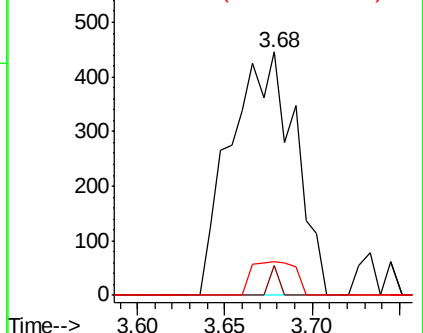
100 13.7 2.1 6.3#



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: 3471.589 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016989.D

Acq: 26 Jun 2020 17:23

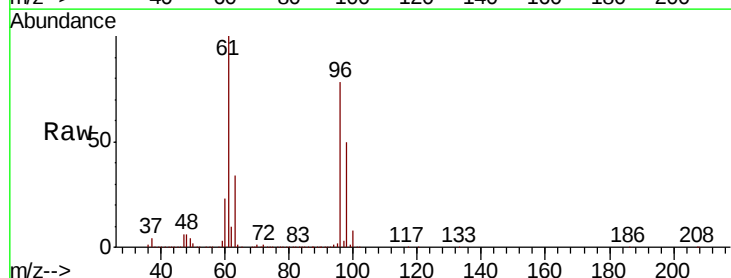
Tgt Ion: 96 Resp: 11502440

Ion Ratio Lower Upper

96 100

61 131.2 0.0 307.2

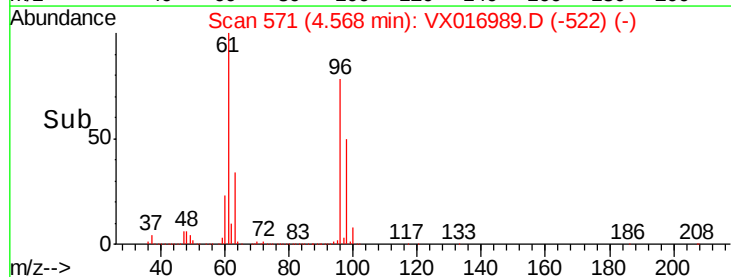
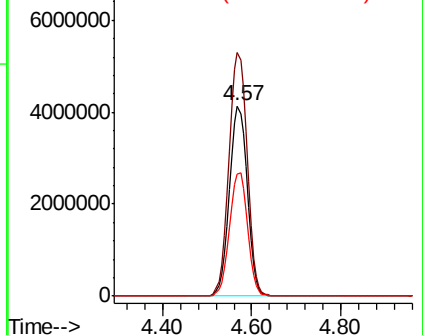
98 65.4 0.0 128.4

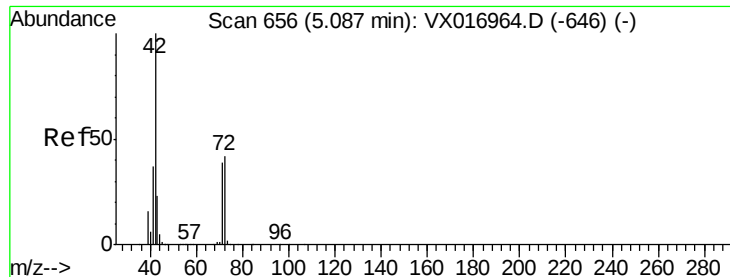


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

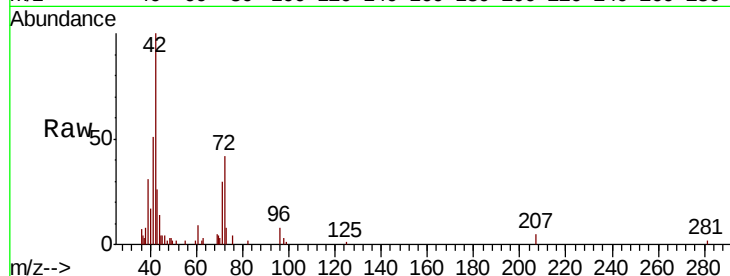




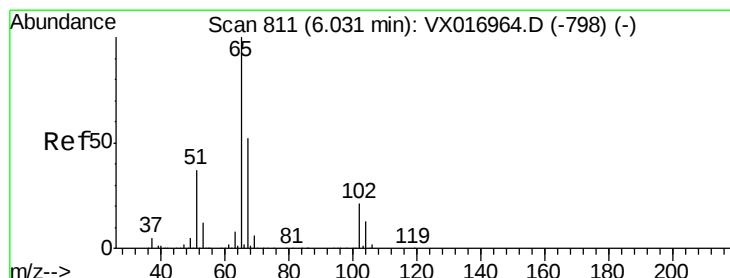
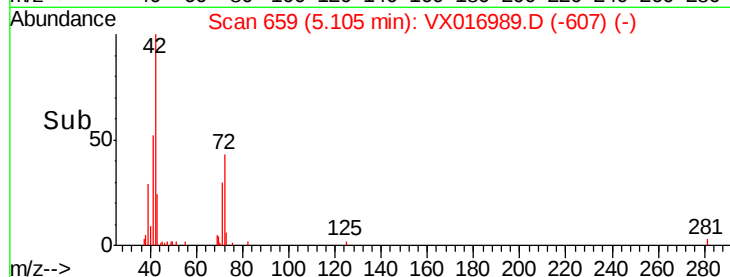
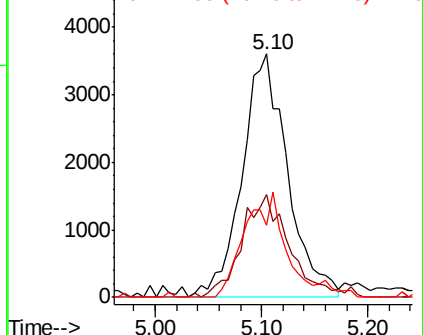
#29
Tetrahydrofuran
Concen: 7.620 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX016989.D
Acq: 26 Jun 2020 17:23

Instrument :
MSVOA_X
ClientSampleId :
25BR-20200623

Tot Ion: 42 Resp: 10790
Ion Ratio Lower Upper
42 100
72 44.9 34.1 51.1
71 40.7 32.1 48.1

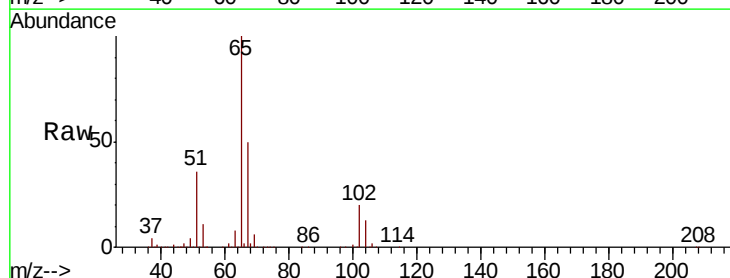


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

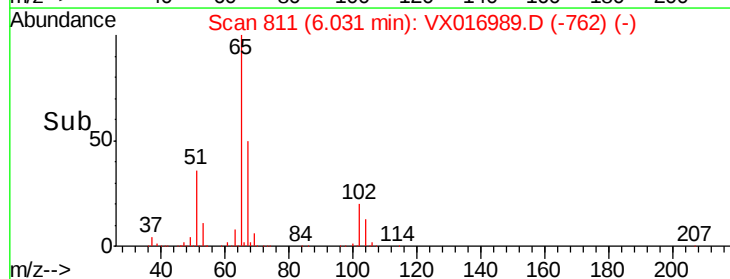
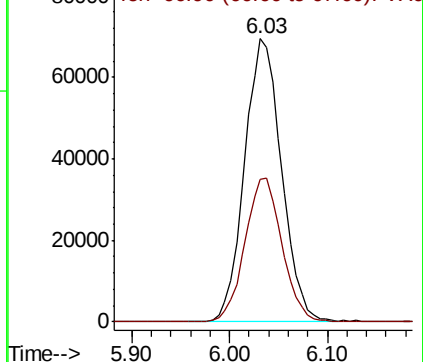


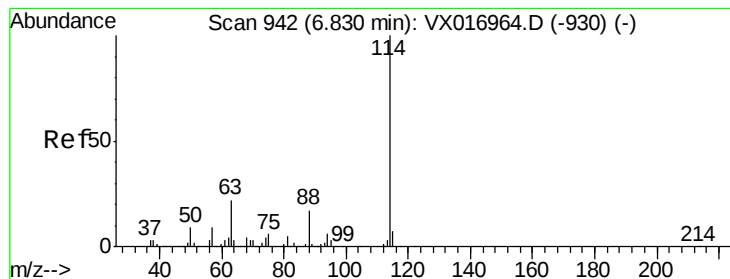
#33
1,2-Dichloroethane-d4
Concen: 50.434 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016989.D
Acq: 26 Jun 2020 17:23

Tgt Ion: 65 Resp: 182345
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.8



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: VX016989.D

Acq: 26 Jun 2020 17:23

Instrument :

MSVOA_X

ClientSampleId :

25BR-20200623

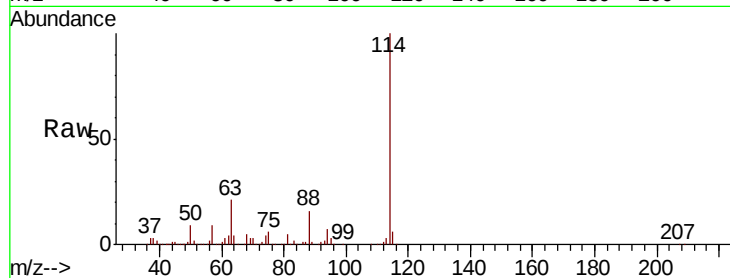
Tot Ion:114 Resp: 433226

Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.4

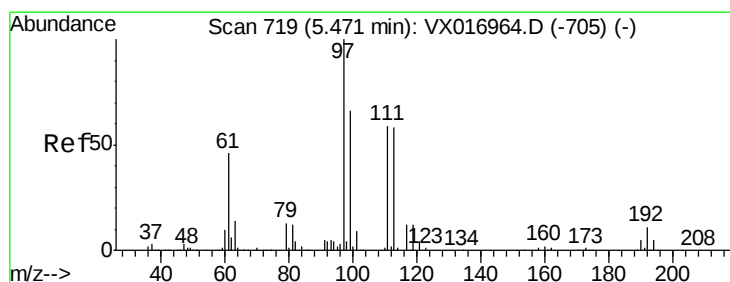
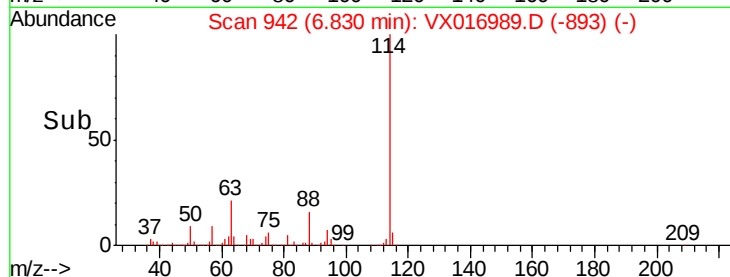
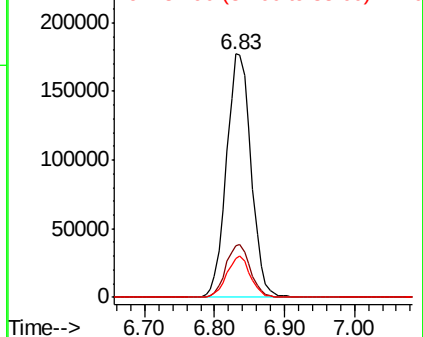
88 15.8 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.935 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016989.D

Acq: 26 Jun 2020 17:23

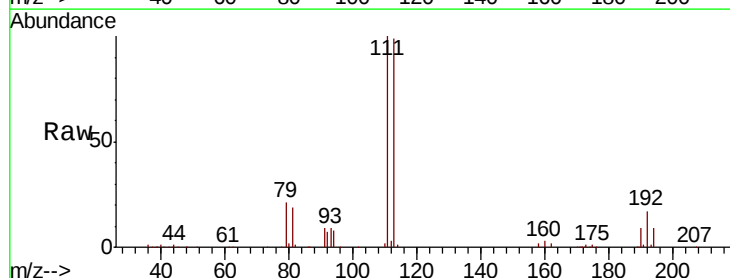
Tgt Ion:113 Resp: 142883

Ion Ratio Lower Upper

113 100

111 103.2 84.3 126.5

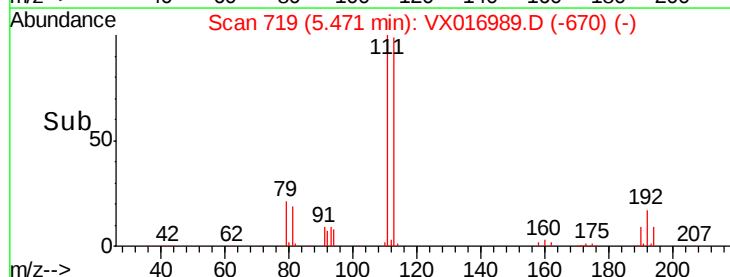
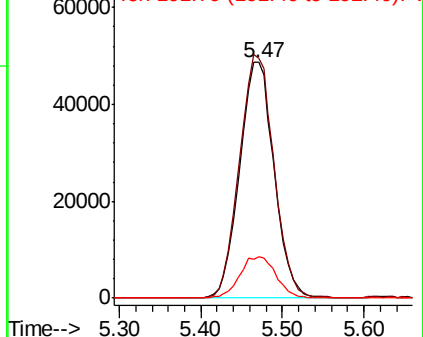
192 18.4 15.2 22.8

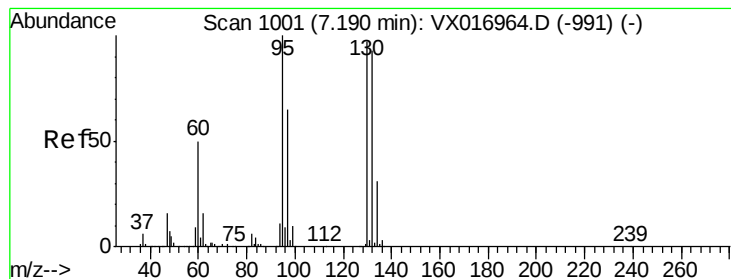


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 5666.266 ug/l

RT: 7.21 min Scan# 1005

Delta R.T. 0.02 min

Lab File: VX016989.D

Acq: 26 Jun 2020 17:23

Instrument :

MSVOA_X

ClientSampleId :

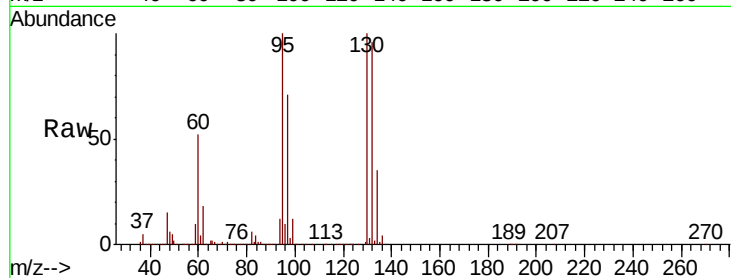
25BR-20200623

Tot Ion:130 Resp:18633494

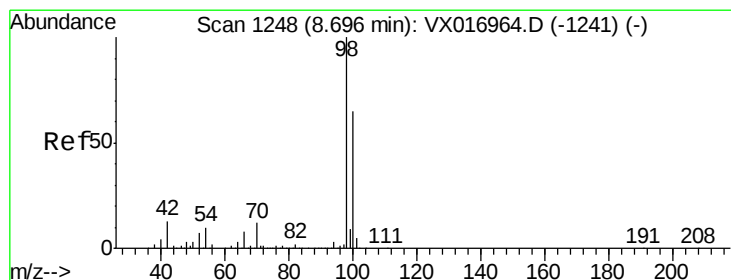
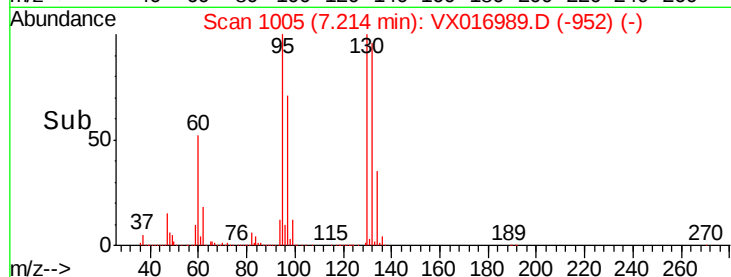
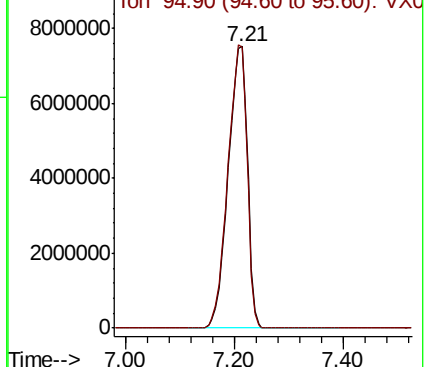
Ion Ratio Lower Upper

130 100

95 99.9 0.0 206.6



Abundance Ion 129.80 (129.50 to 130.50): V



#50

Toluene-d8

Concen: 51.770 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016989.D

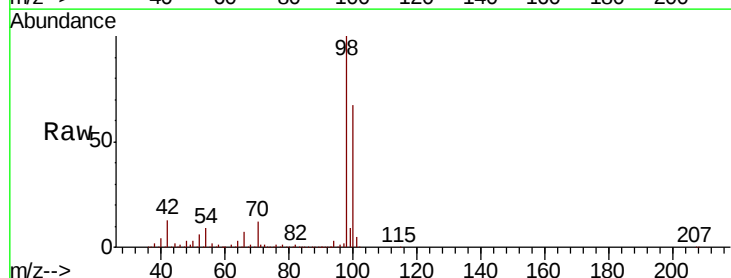
Acq: 26 Jun 2020 17:23

Tgt Ion: 98 Resp: 542990

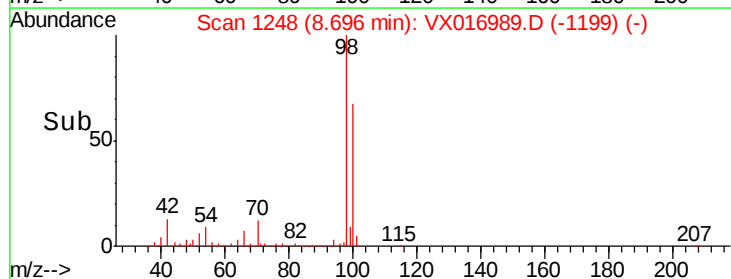
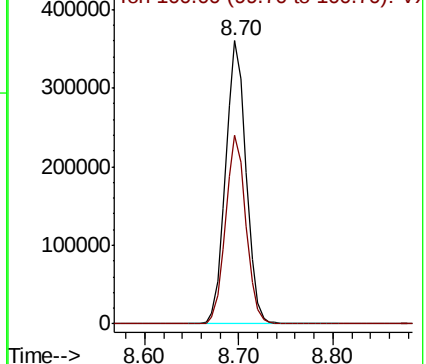
Ion Ratio Lower Upper

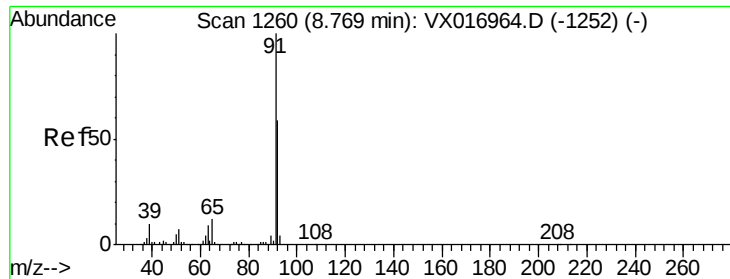
98 100

100 66.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0





#52

Toluene

Concen: 0.227 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016989.D

Acq: 26 Jun 2020 17:23

Instrument :

MSVOA_X

ClientSampleId :

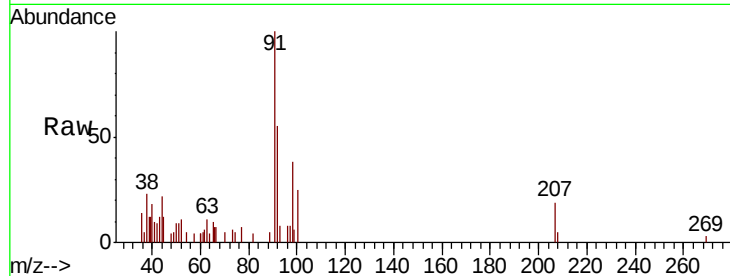
25BR-20200623

Tot Ion: 92 Resp: 1726

Ion Ratio Lower Upper

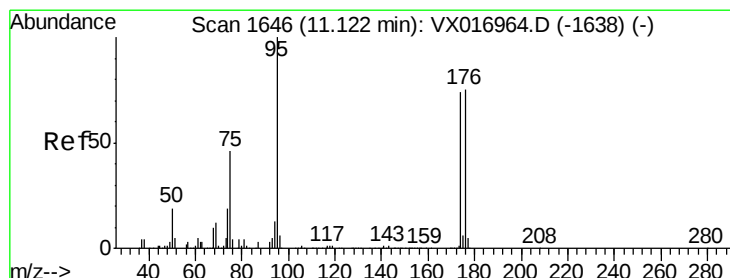
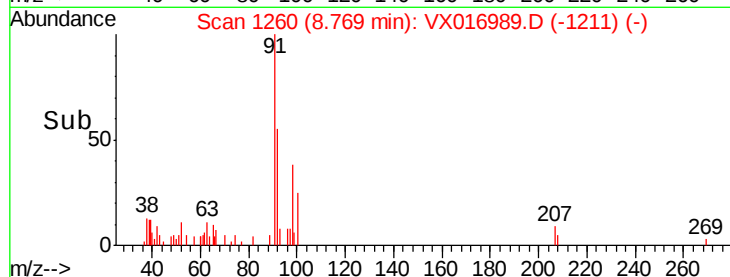
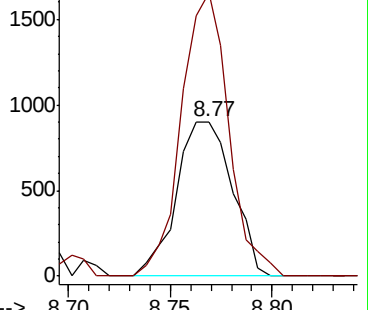
92 100

91 154.6 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 56.667 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016989.D

Acq: 26 Jun 2020 17:23

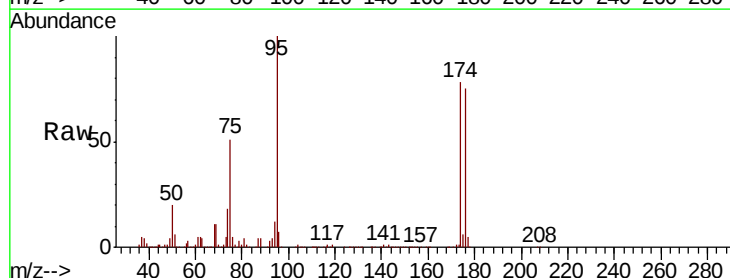
Tgt Ion: 95 Resp: 229833

Ion Ratio Lower Upper

95 100

174 74.8 0.0 149.6

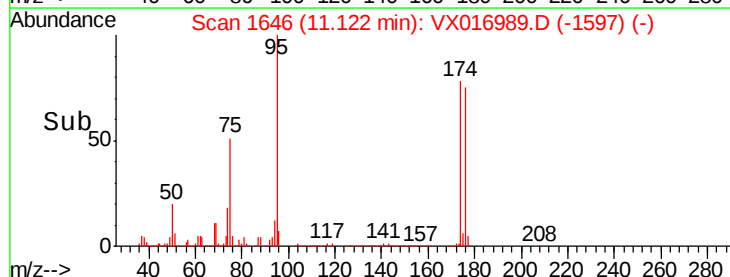
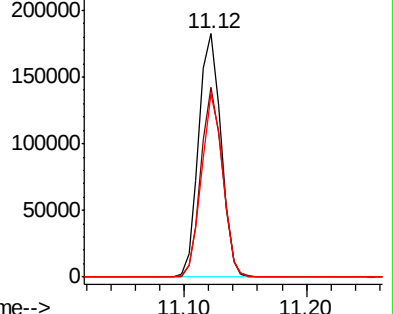
176 72.1 0.0 148.2

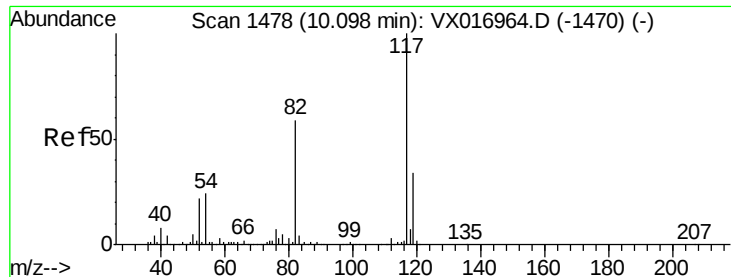


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

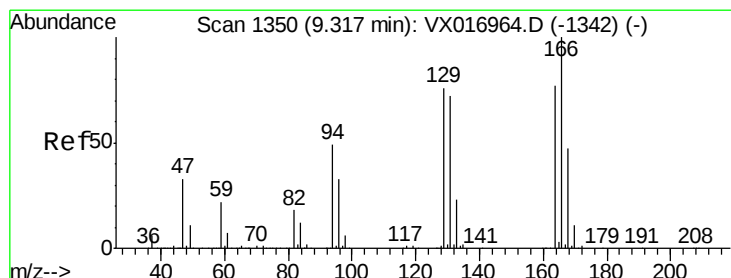
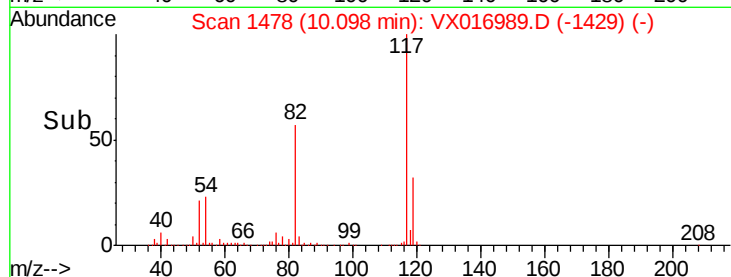
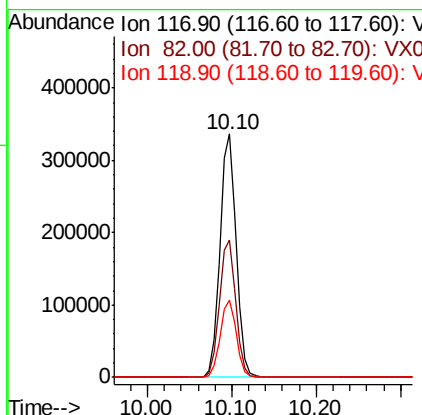
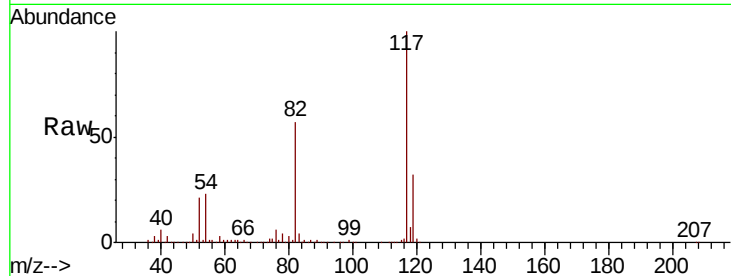




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016989.D
Acq: 26 Jun 2020 17:23

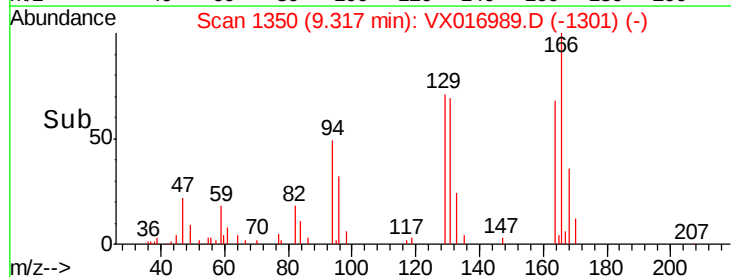
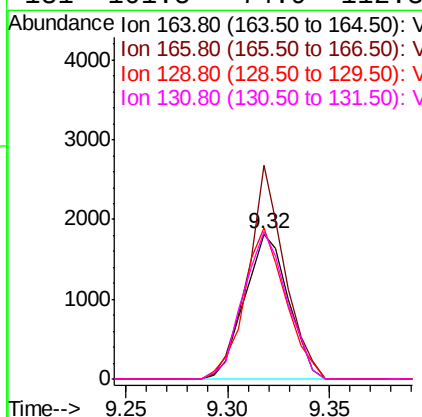
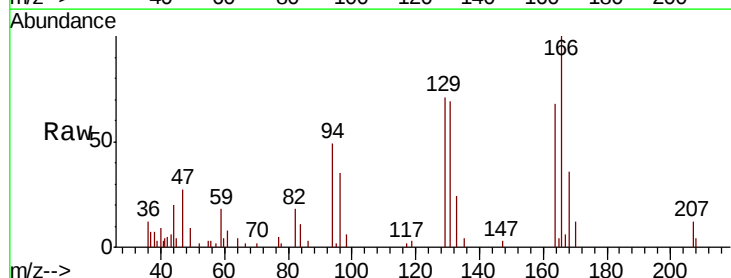
Instrument :
MSVOA_X
ClientSampleId :
25BR-20200623

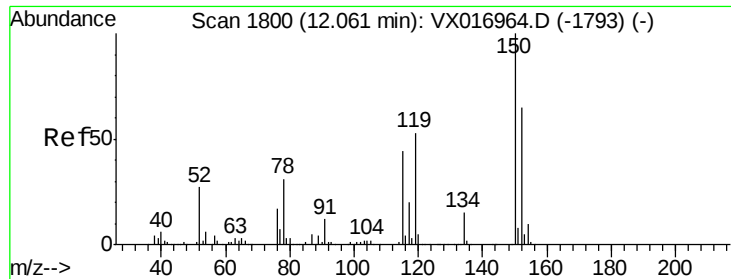
Tot Ion:117 Resp: 446876
Ion Ratio Lower Upper
117 100
82 56.6 46.8 70.2
119 31.8 27.3 40.9



#64
Tetrachloroethene
Concen: 0.895 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016989.D
Acq: 26 Jun 2020 17:23

Tgt Ion:164 Resp: 2706
Ion Ratio Lower Upper
164 100
166 147.5 104.2 156.4
129 104.5 79.3 118.9
131 101.5 74.9 112.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016989.D

Acq: 26 Jun 2020 17:23

Instrument :

MSVOA_X

ClientSampleId :

25BR-20200623

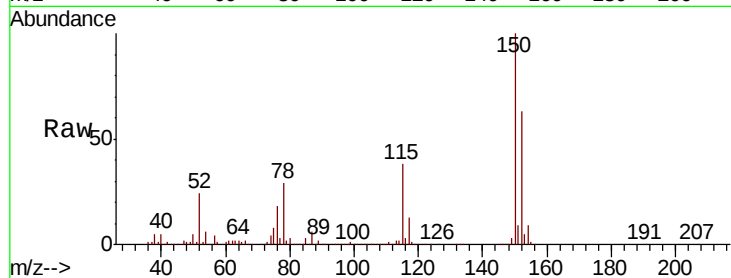
Tot Ion:152 Resp: 234599

Ion Ratio Lower Upper

152 100

115 59.8 42.8 128.4

150 154.9 0.0 347.8



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

