

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112320\
 Data File : VX019553.D
 Acq On : 23 Nov 2020 16:15
 Operator : JC/MD
 Sample : L4798-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20201118

Quant Time: Nov 24 04:24:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	301054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	492764	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	432279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	197407	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	181862	46.59	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.18%
35) Dibromofluoromethane	5.46	113	147264	47.61	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.22%
50) Toluene-d8	8.70	98	580732	48.32	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.64%
62) 4-Bromofluorobenzene	11.12	95	206865	47.84	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.68%

Target Compounds

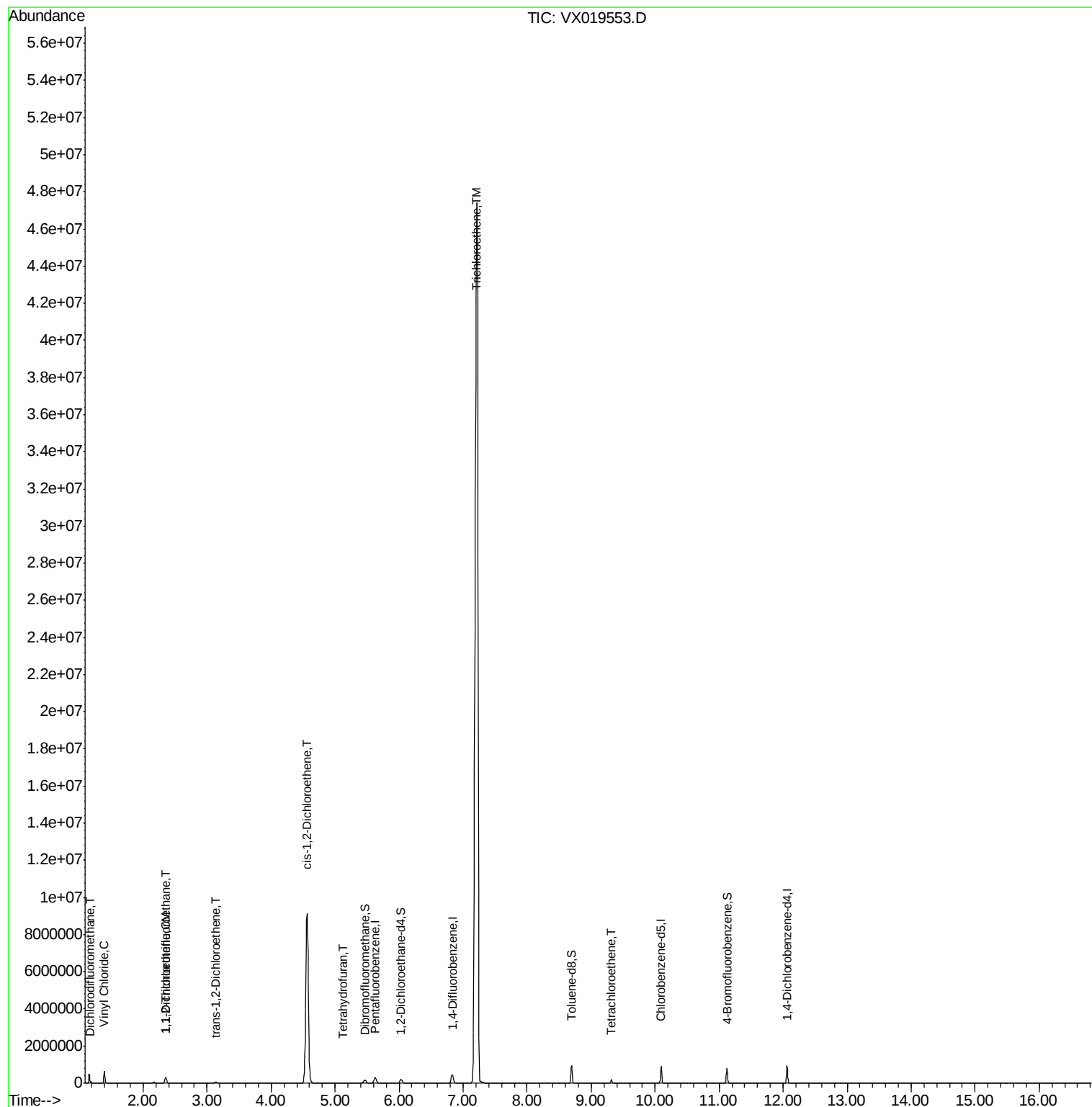
						Qvalue
2) Dichlorodifluoromethane	1.18	85	61909	21.147	ug/l	98
4) Vinyl Chloride	1.39	62	380623	105.249	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	97795	33.583	ug/l	99
12) 1,1-Dichloroethene	2.34	96	33763	11.296	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	20304	5.996	ug/l	96
27) cis-1,2-Dichloroethene	4.56	96	6208653	1596.122	ug/l	88
29) Tetrahydrofuran	5.12	42	2236	1.545	ug/l	91
44) Trichloroethene	7.22	130	24625419	6623.402	ug/l	99
64) Tetrachloroethene	9.32	164	34633	10.192	ug/l	97

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 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: VX019553.D

Acq: 23 Nov 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

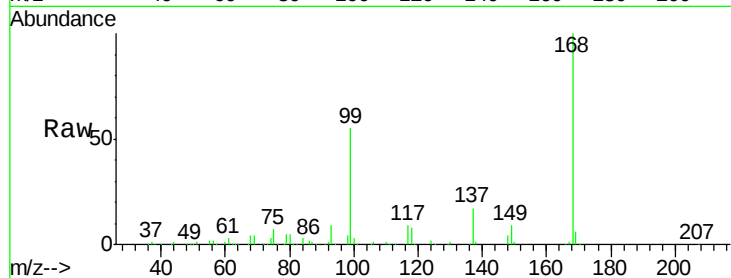
56BR-20201118

Tot Ion:168 Resp: 301054

Ion Ratio Lower Upper

168 100

99 55.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

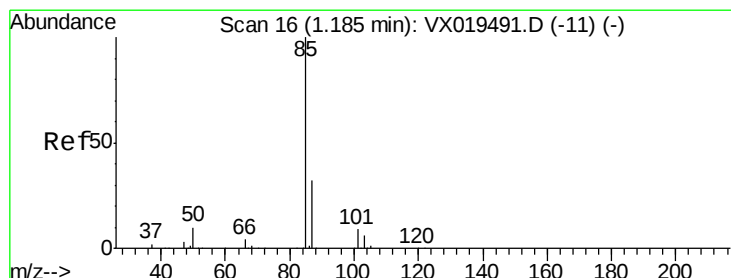
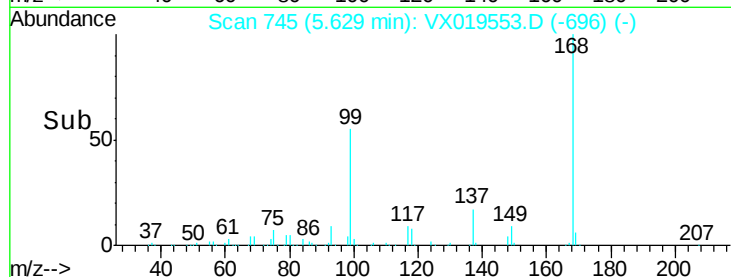
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.147 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019553.D

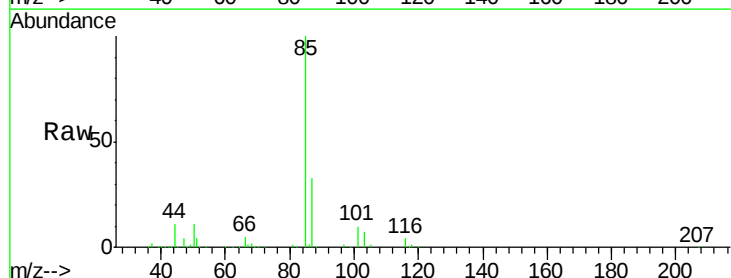
Acq: 23 Nov 2020 16:15

Tgt Ion: 85 Resp: 61909

Ion Ratio Lower Upper

85 100

87 32.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

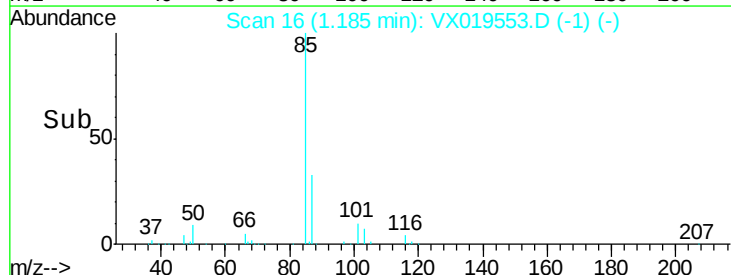
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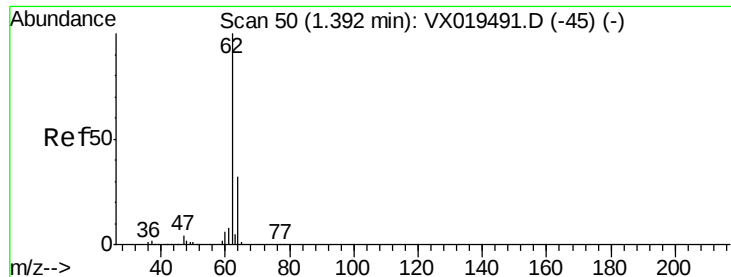
40000

20000

0

Time-->





#4

Vinyl Chloride

Concen: 105.249 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019553.D

Acq: 23 Nov 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

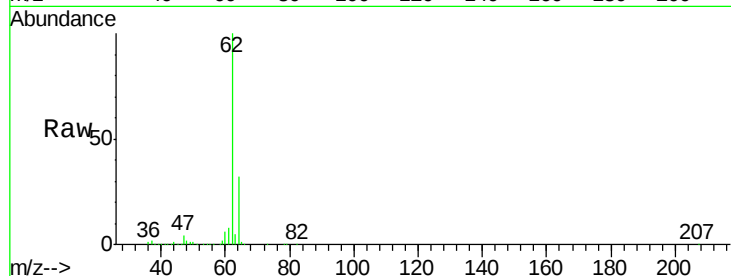
56BR-20201118

Tot Ion: 62 Resp: 380623

Ion Ratio Lower Upper

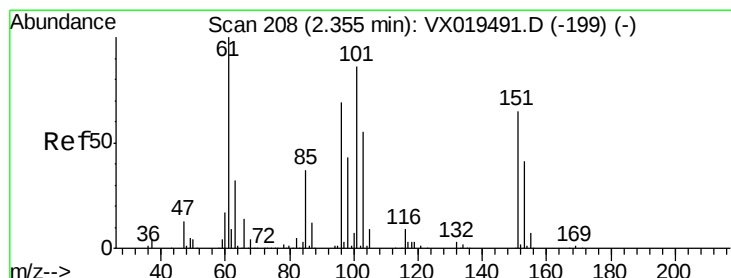
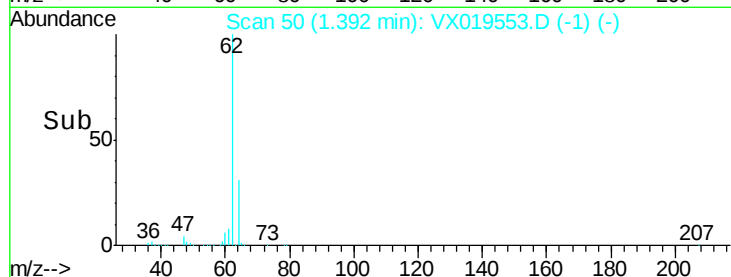
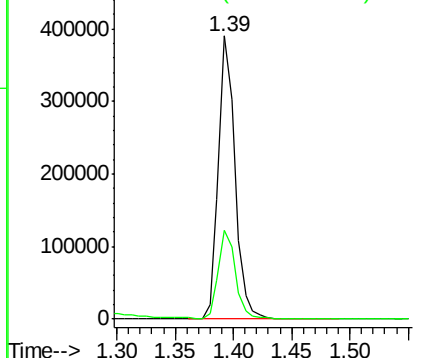
62 100

64 31.3 25.4 38.2



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: 33.583 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019553.D

Acq: 23 Nov 2020 16:15

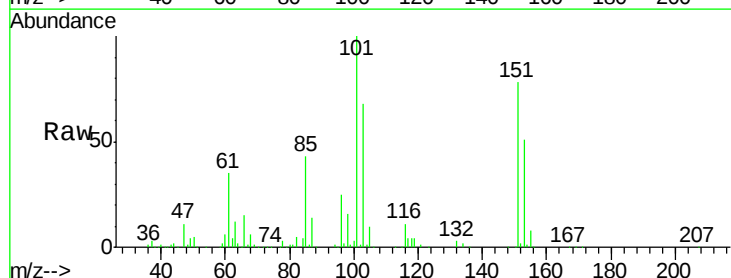
Tgt Ion: 101 Resp: 97795

Ion Ratio Lower Upper

101 100

85 43.6 33.9 50.9

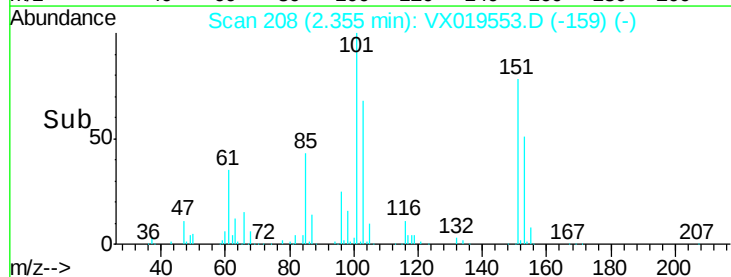
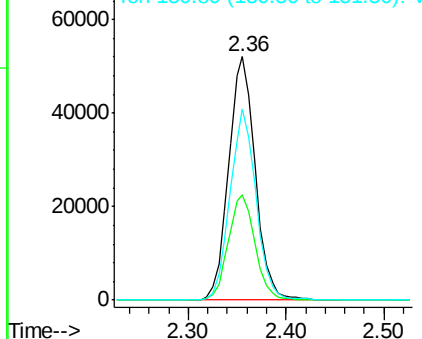
151 77.0 60.9 91.3

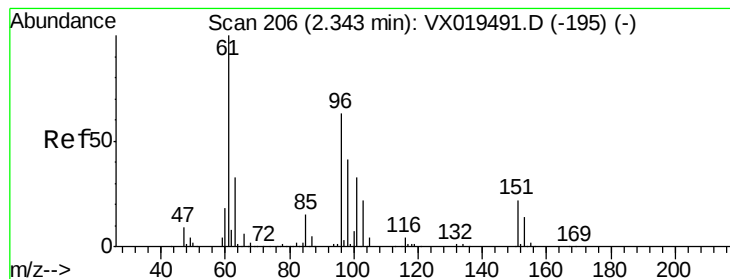


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 11.296 ug/l

RT: 2.34 min Scan# 206

Delta R.T. 0.00 min

Lab File: VX019553.D

Acq: 23 Nov 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

56BR-20201118

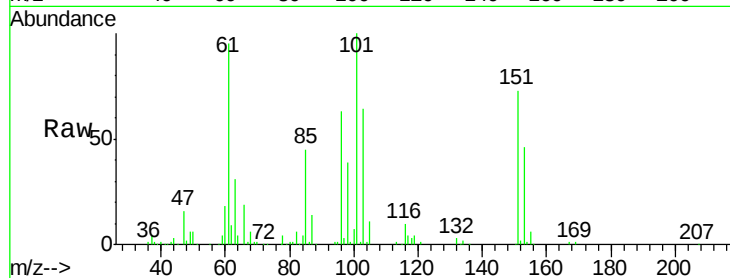
Tot Ion: 96 Resp: 33763

Ion Ratio Lower Upper

96 100

61 150.0 126.0 189.0

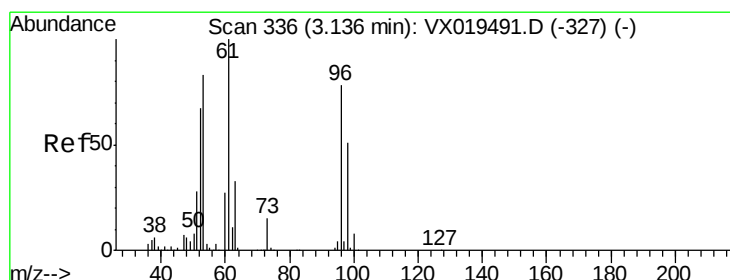
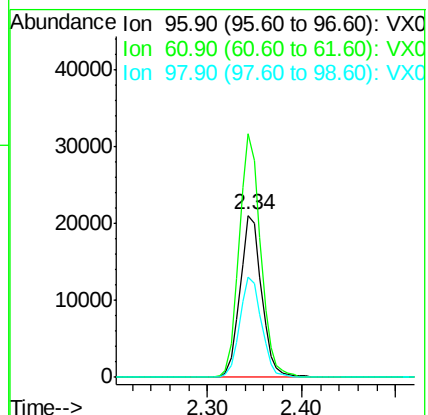
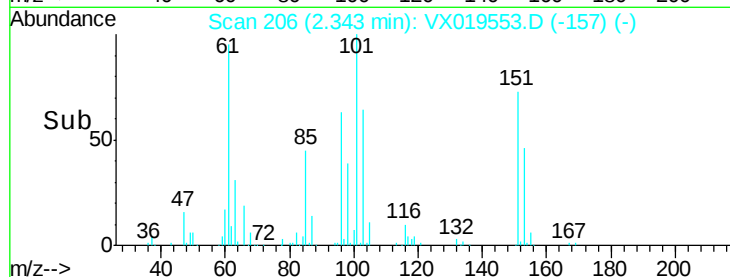
98 62.0 52.0 78.0



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



#21

trans-1,2-Dichloroethene

Concen: 5.996 ug/l

RT: 3.14 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX019553.D

Acq: 23 Nov 2020 16:15

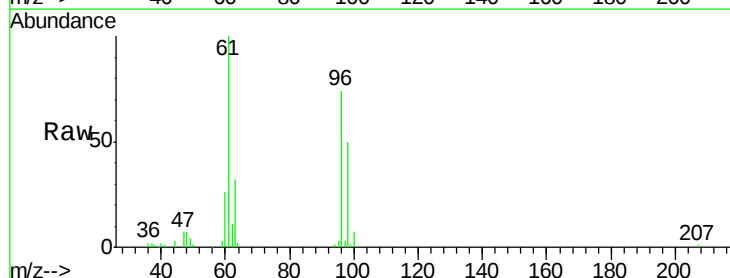
Tgt Ion: 96 Resp: 20304

Ion Ratio Lower Upper

96 100

61 134.7 102.9 154.3

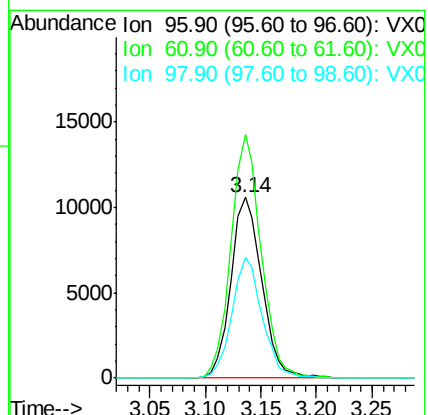
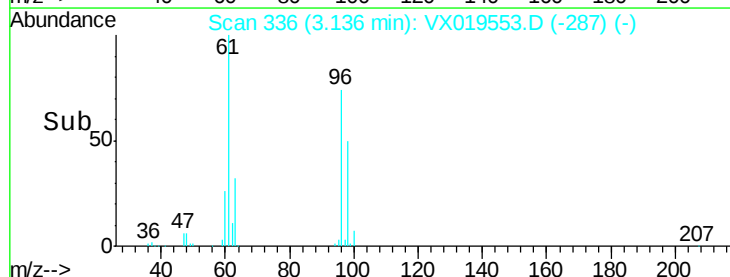
98 66.7 52.1 78.1

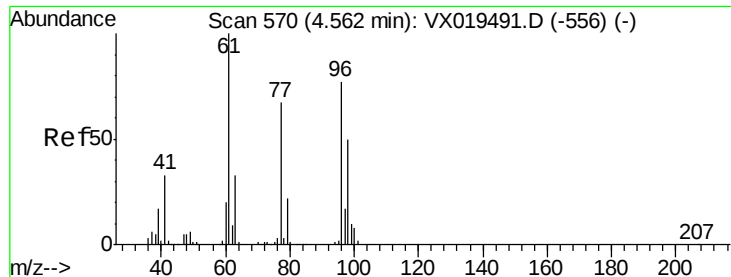


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



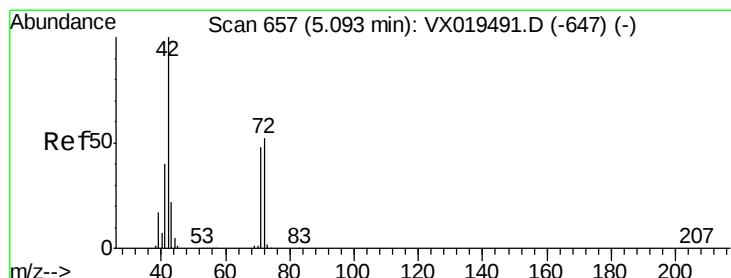
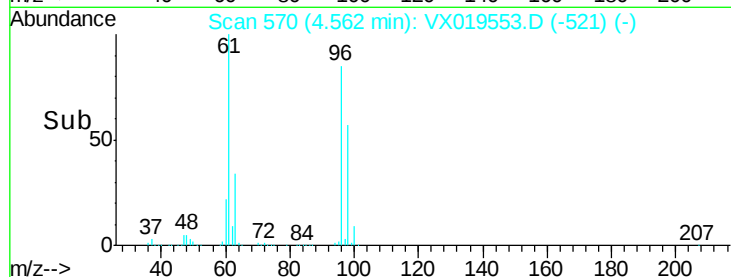
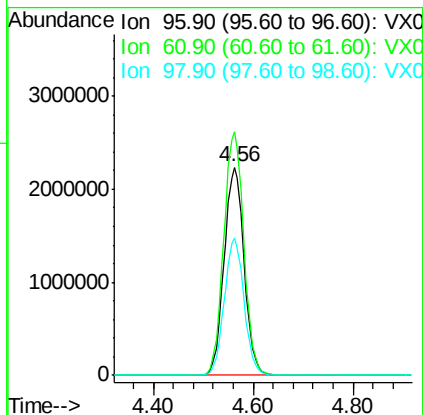
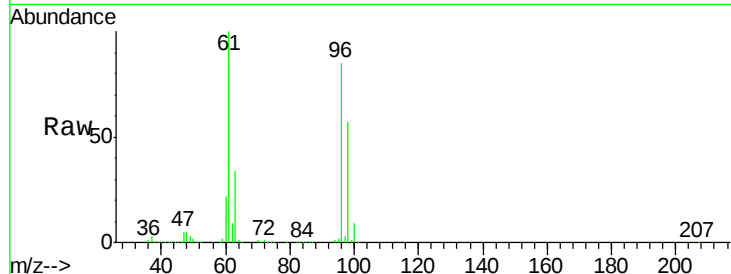


#27

cis-1,2-Dichloroethene
 Concen: 1596.122 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VX019553.D
 Acq: 23 Nov 2020 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20201118

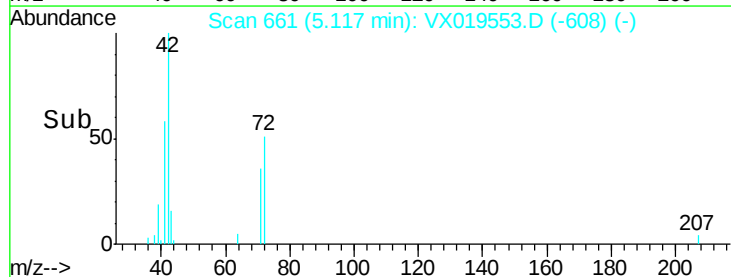
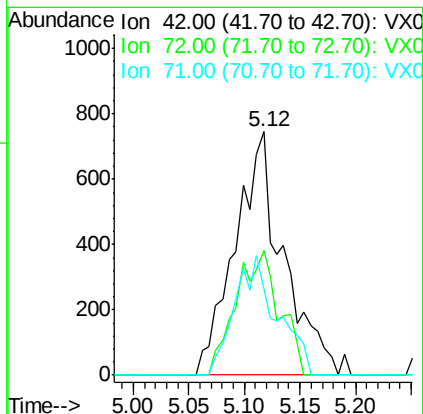
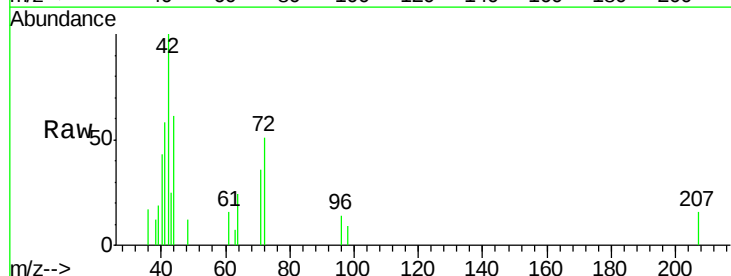
Tot Ion: 96 Resp: 6208653
 Ion Ratio Lower Upper
 96 100
 61 118.0 0.0 279.2
 98 65.1 0.0 129.8

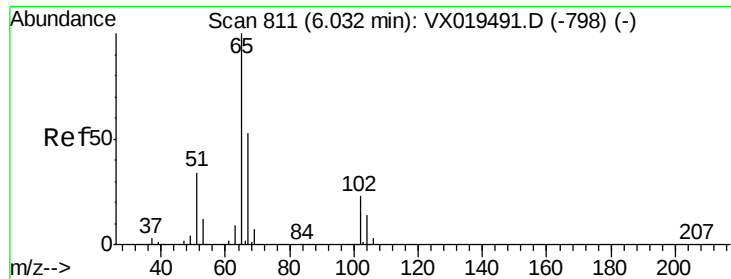


#29

Tetrahydrofuran
 Concen: 1.545 ug/l
 RT: 5.12 min Scan# 661
 Delta R.T. 0.02 min
 Lab File: VX019553.D
 Acq: 23 Nov 2020 16:15

Tgt Ion: 42 Resp: 2236
 Ion Ratio Lower Upper
 42 100
 72 46.3 42.6 63.8
 71 43.2 39.0 58.6





#33

1,2-Dichloroethane-d4

Concen: 46.590 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019553.D

Acq: 23 Nov 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

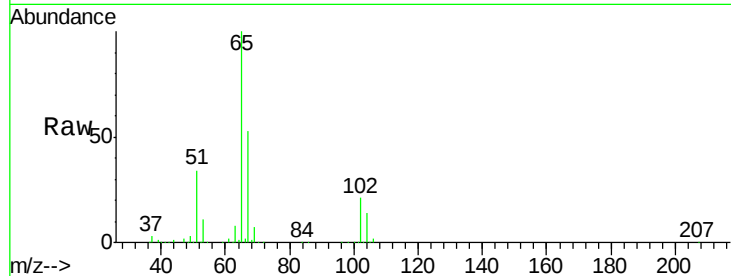
56BR-20201118

Tot Ion: 65 Resp: 181862

Ion Ratio Lower Upper

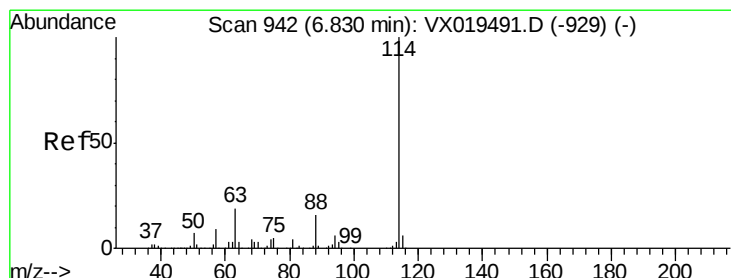
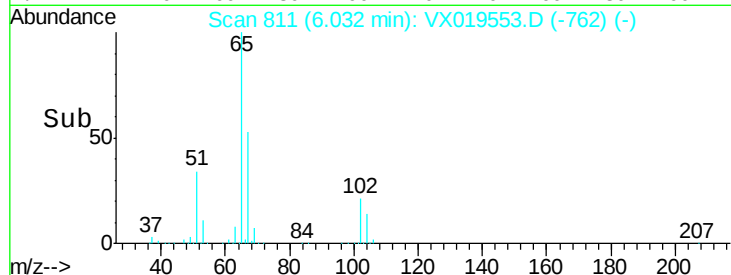
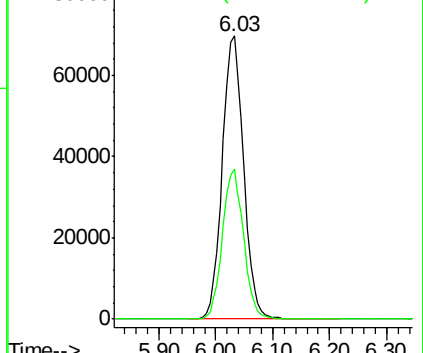
65 100

67 52.4 0.0 105.0



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: VX019553.D

Acq: 23 Nov 2020 16:15

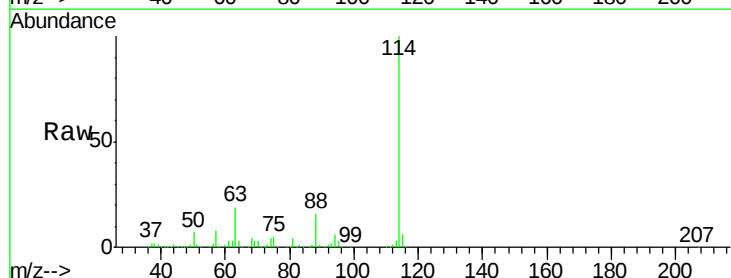
Tgt Ion: 114 Resp: 492764

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.8

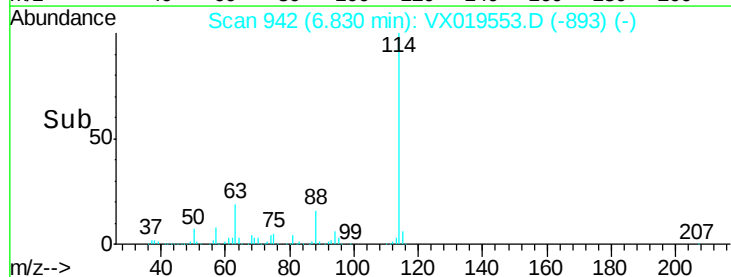
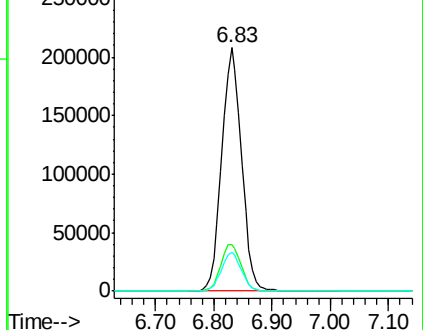
88 16.0 0.0 31.6

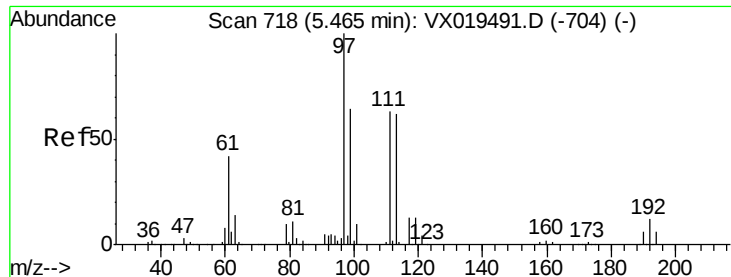


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.611 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019553.D

Acq: 23 Nov 2020 16:15

Instrument :

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ClientSampleId :

56BR-20201118

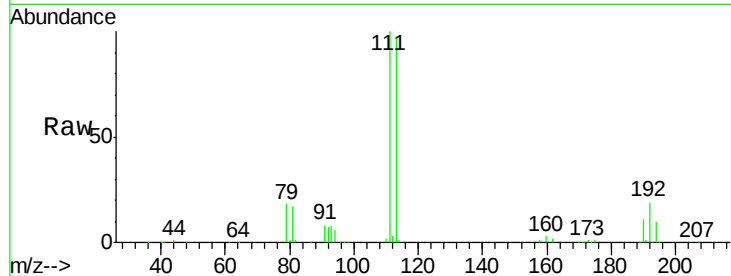
Tot Ion:113 Resp: 147264

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

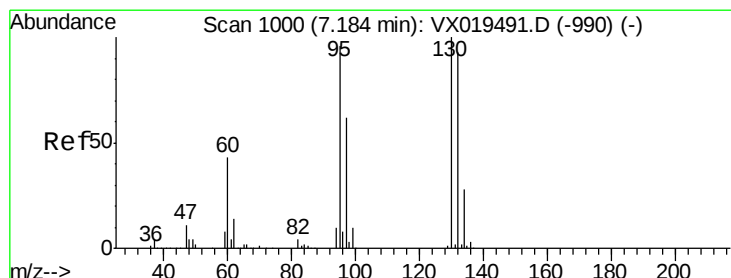
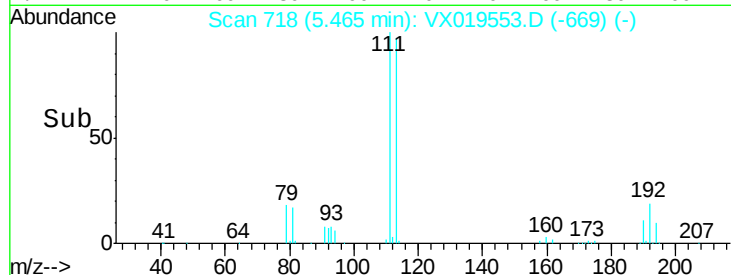
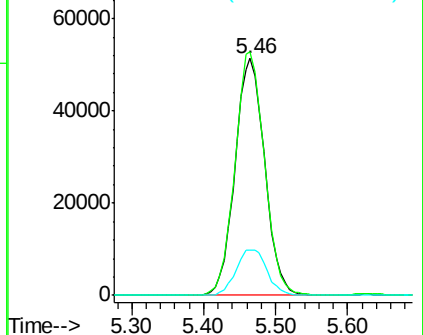
192 20.1 16.2 24.2



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: 6623.402 ug/l

RT: 7.22 min Scan# 1006

Delta R.T. 0.04 min

Lab File: VX019553.D

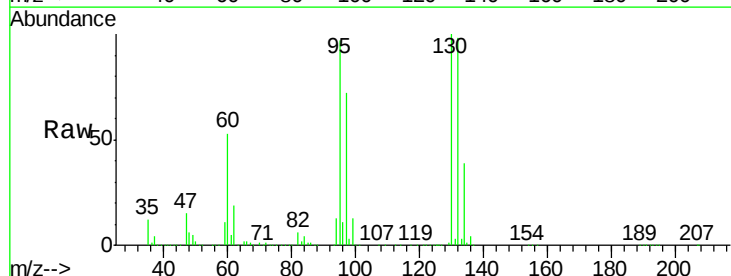
Acq: 23 Nov 2020 16:15

Tgt Ion:130 Resp:24625419

Ion Ratio Lower Upper

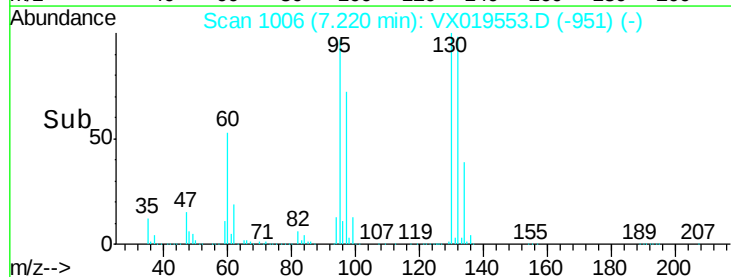
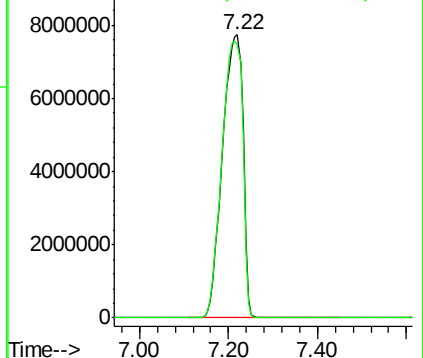
130 100

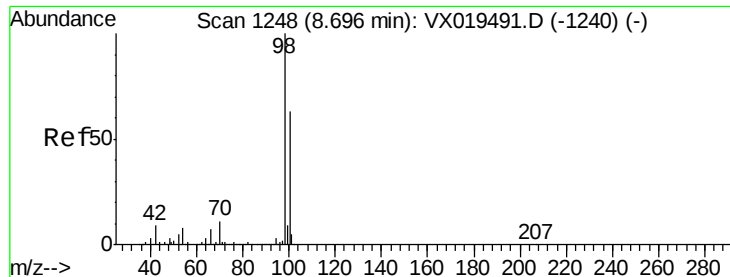
95 96.5 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 48.316 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019553.D

Acq: 23 Nov 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

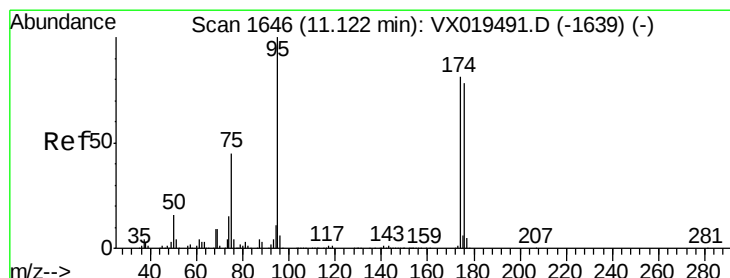
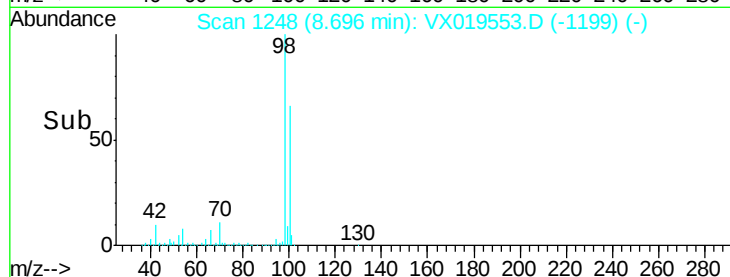
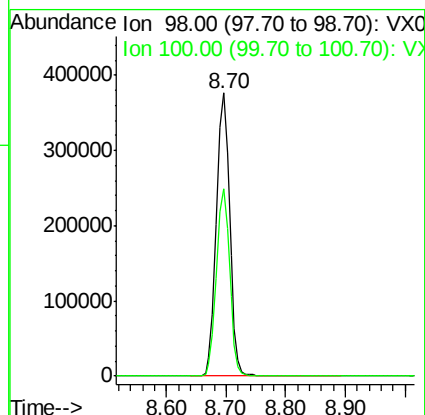
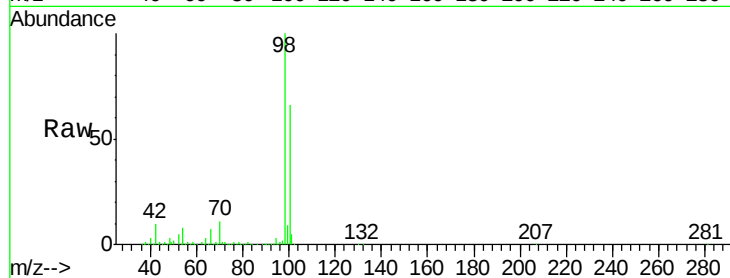
56BR-20201118

Tot Ion: 98 Resp: 580732

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 47.837 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019553.D

Acq: 23 Nov 2020 16:15

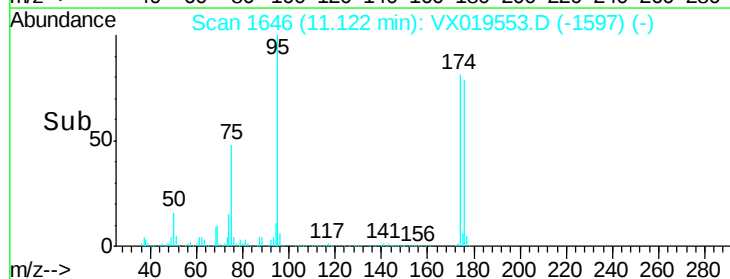
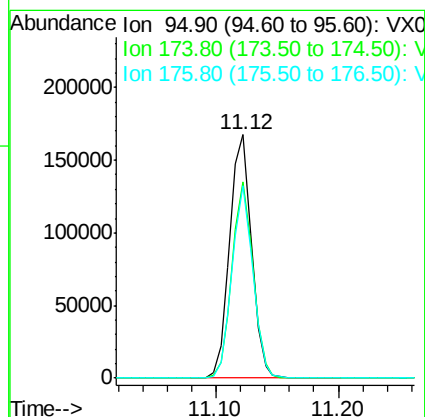
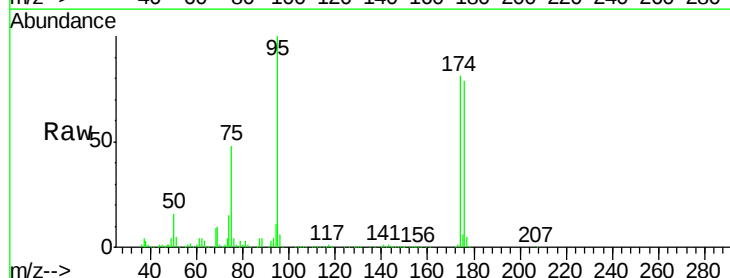
Tgt Ion: 95 Resp: 206865

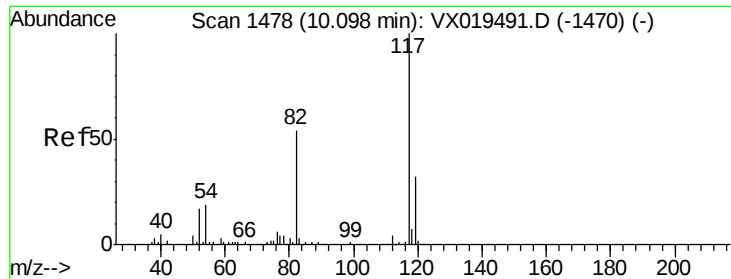
Ion Ratio Lower Upper

95 100

174 77.4 0.0 156.2

176 75.3 0.0 151.4

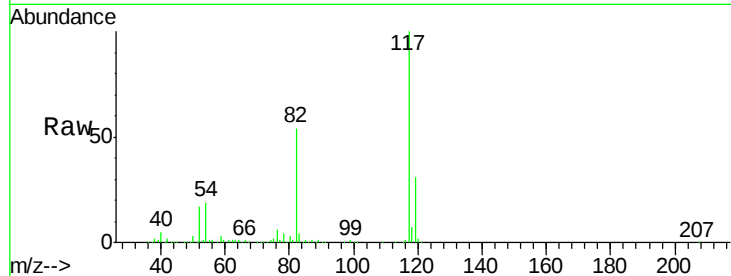




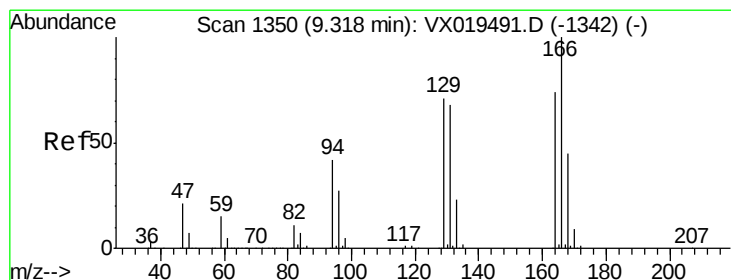
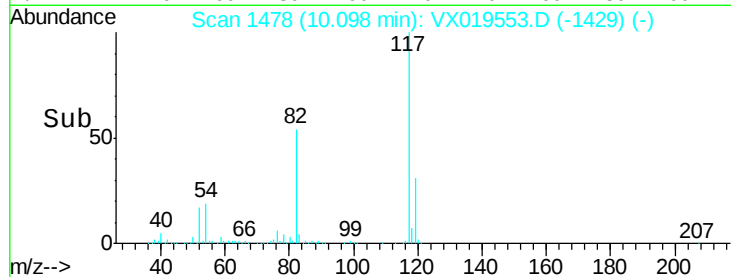
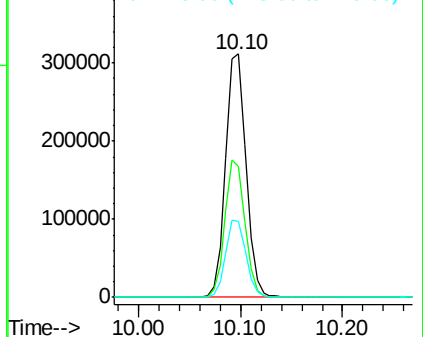
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019553.D
Acq: 23 Nov 2020 16:15

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118

Tot Ion:117 Resp: 432279
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 31.0 25.6 38.4

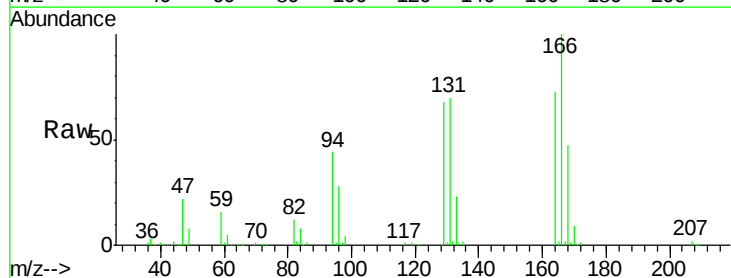


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

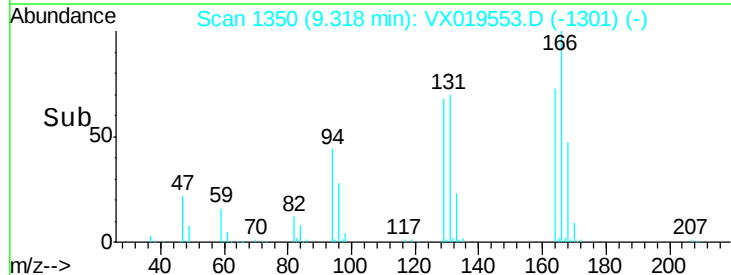
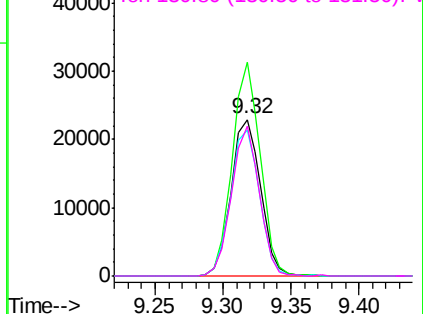


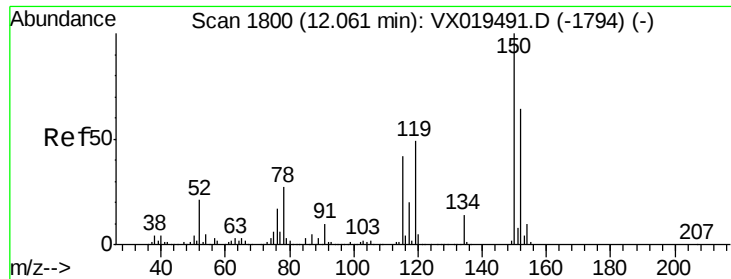
#64
Tetrachloroethene
Concen: 10.192 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX019553.D
Acq: 23 Nov 2020 16:15

Tgt Ion:164 Resp: 34633
Ion Ratio Lower Upper
164 100
166 136.6 107.4 161.0
129 93.4 76.6 114.8
131 95.5 72.6 108.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX019553.D

Acq: 23 Nov 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

56BR-20201118

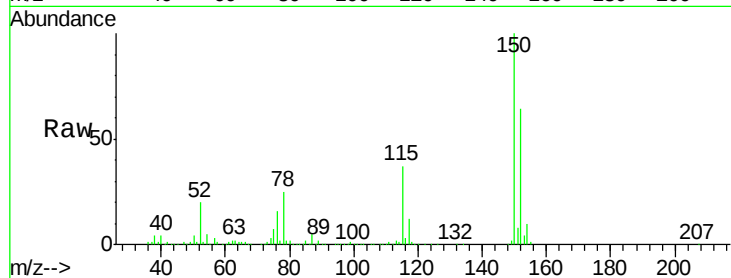
Tot Ion:152 Resp: 197407

Ion Ratio Lower Upper

152 100

115 59.4 41.8 125.4

150 157.1 0.0 348.2



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

