

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010200.D
 Acq On : 11 Jun 2019 01:06
 Operator : JC/SP
 Sample : K3255-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20190604

Quant Time: Jun 11 08:22:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	255229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387452	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	341883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	153869	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	114849	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	
35) Dibromofluoromethane	5.50	113	118092	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
50) Toluene-d8	8.71	98	452955	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	11.13	95	148497	44.39	ug/l	0.00
Spiked Amount			Recovery	=	88.78%	

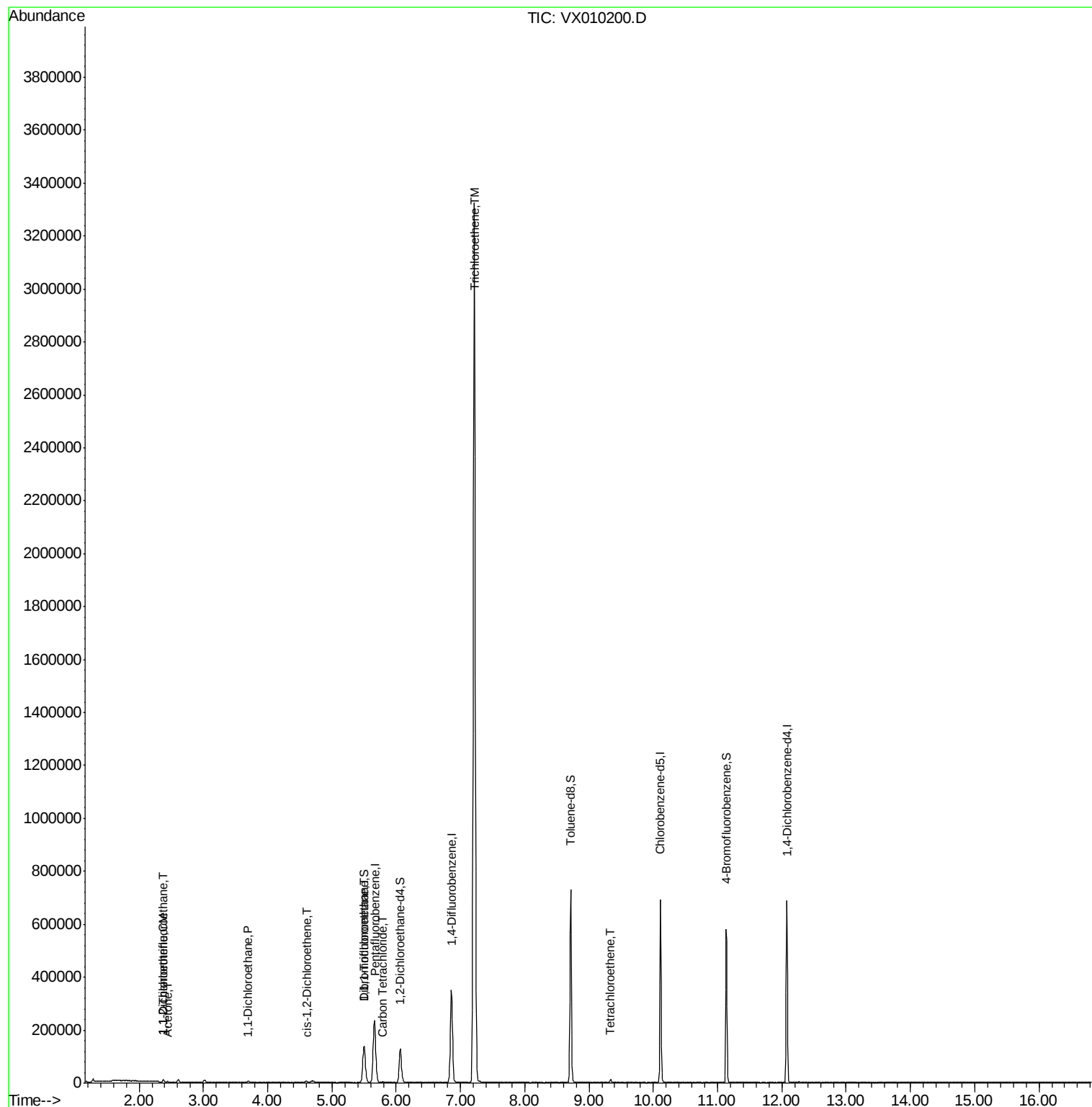
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1449	0.646	ug/l	92
12) 1,1-Dichloroethene	2.38	96	2446	1.067	ug/l #	61
16) Acetone	2.45	43	3141	2.681	ug/l	94
24) 1,1-Dichloroethane	3.70	63	4374	1.089	ug/l #	88
27) cis-1,2-Dichloroethene	4.60	96	3860	1.368	ug/l	72
32) 1,1,1-Trichloroethane	5.50	97	1505	0.384	ug/l #	52
38) Carbon Tetrachloride	5.79	117	2119	0.592	ug/l	93
44) Trichloroethene	7.21	130	1370326	465.099	ug/l	87
64) Tetrachloroethene	9.34	164	2719	1.071	ug/l	90

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

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Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010200.D

Acq: 11 Jun 2019 01:06

Instrument :

MSVOA_X

ClientSampleId :

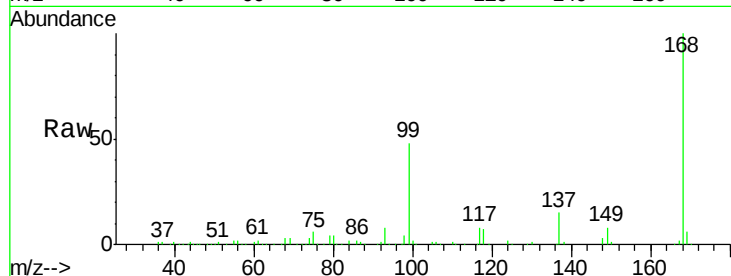
RE126D2-20190604

Tot Ion:168 Resp: 255229

Ion Ratio Lower Upper

168 100

99 47.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

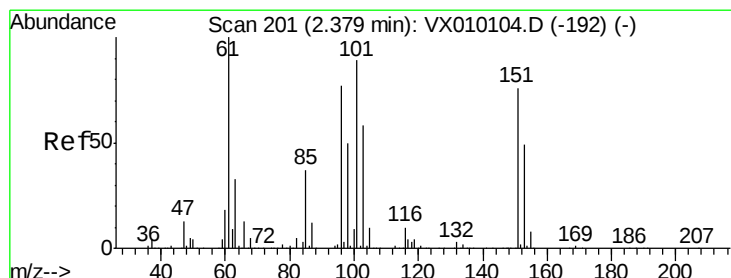
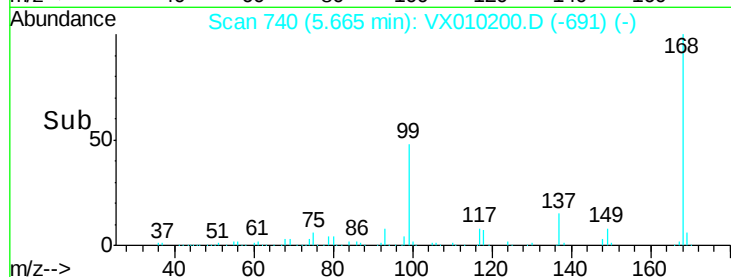
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.646 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010200.D

Acq: 11 Jun 2019 01:06

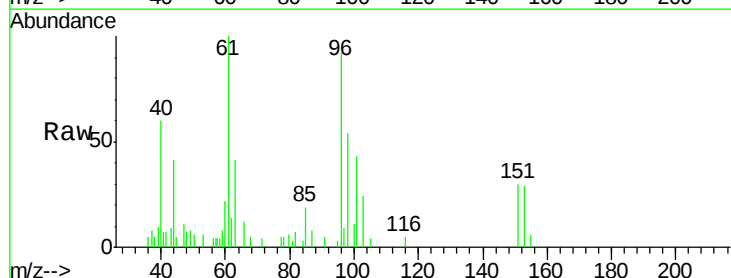
Tgt Ion:101 Resp: 1449

Ion Ratio Lower Upper

101 100

85 51.7 35.2 52.8

151 81.8 61.9 92.9



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

2.38

800

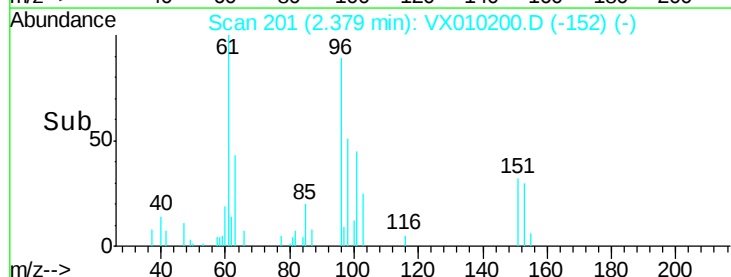
600

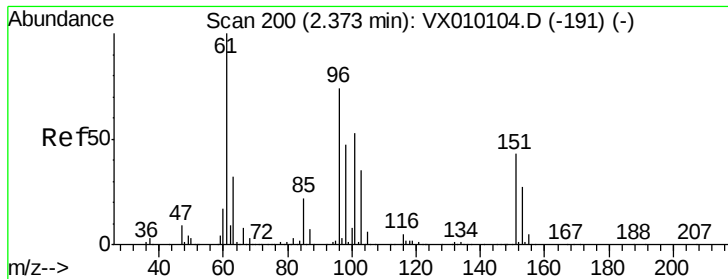
400

200

0

Time--> 2.35 2.40 2.45





#12

1,1-Dichloroethene

Concen: 1.067 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX010200.D

Acq: 11 Jun 2019 01:06

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20190604

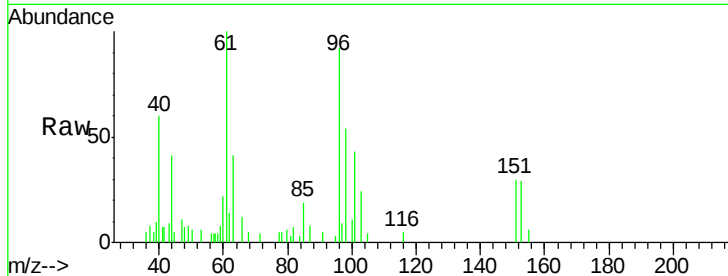
Tot Ion: 96 Resp: 2446

Ion Ratio Lower Upper

96 100

61 105.0 140.7 211.1#

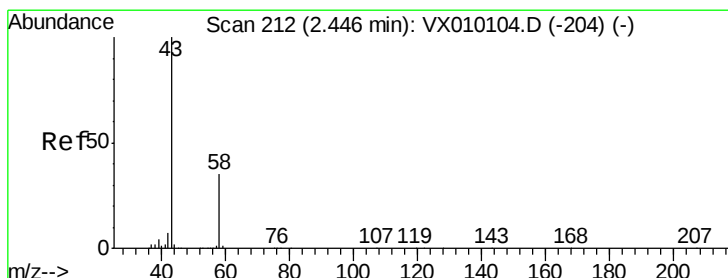
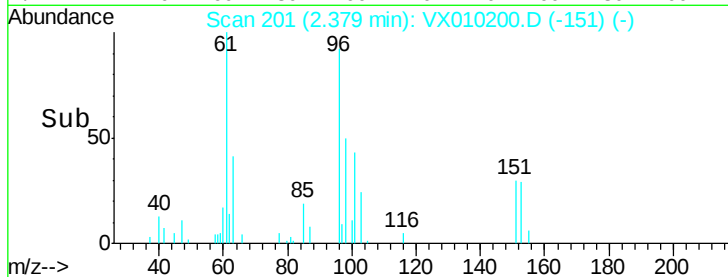
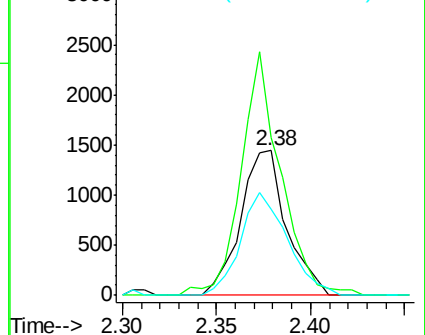
98 59.3 50.1 75.1



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



#16

Acetone

Concen: 2.681 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010200.D

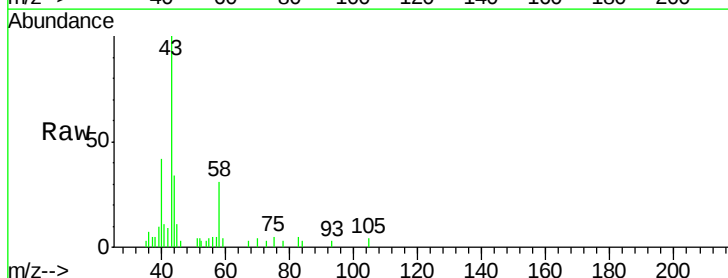
Acq: 11 Jun 2019 01:06

Tgt Ion: 43 Resp: 3141

Ion Ratio Lower Upper

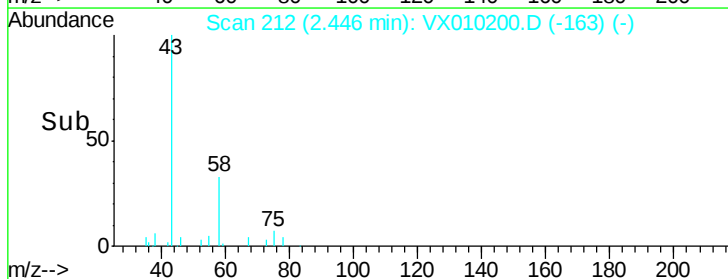
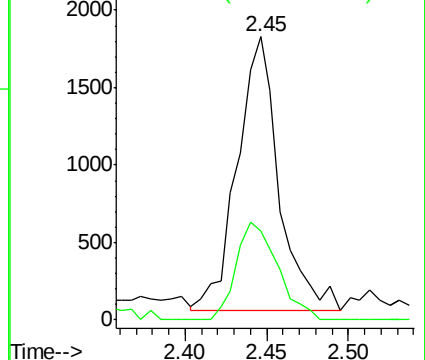
43 100

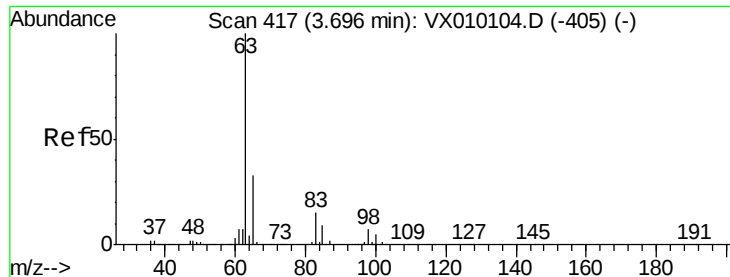
58 32.4 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#24

1,1-Dichloroethane

Concen: 1.089 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010200.D

Acq: 11 Jun 2019 01:06

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20190604

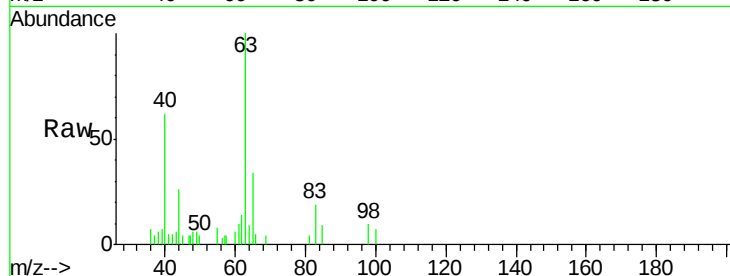
Tot Ion: 63 Resp: 4374

Ion Ratio Lower Upper

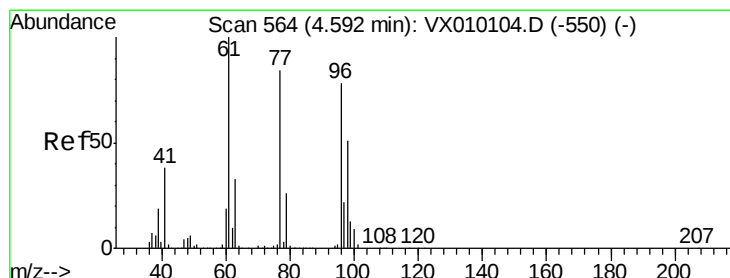
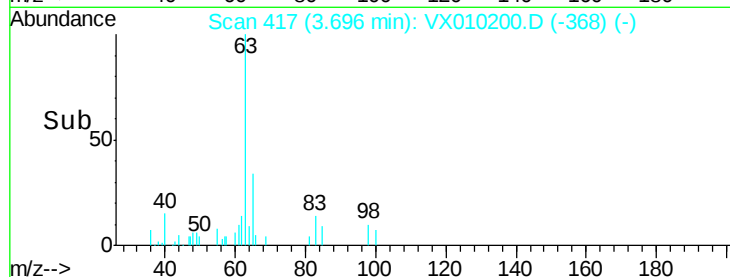
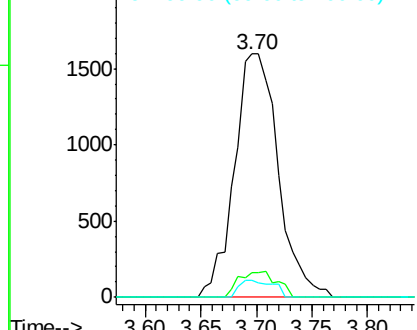
63 100

98 10.0 2.9 8.8#

100 7.3 1.8 5.4#



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: 1.368 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX010200.D

Acq: 11 Jun 2019 01:06

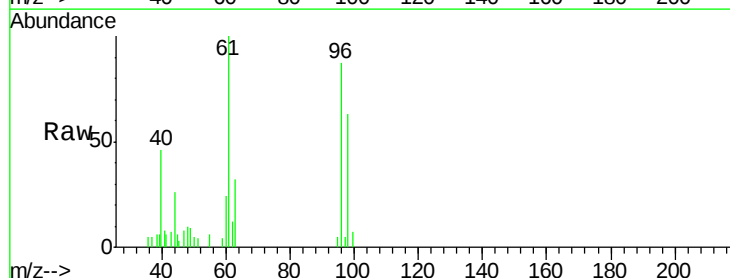
Tgt Ion: 96 Resp: 3860

Ion Ratio Lower Upper

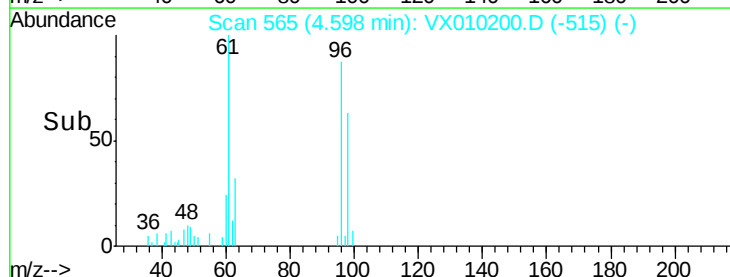
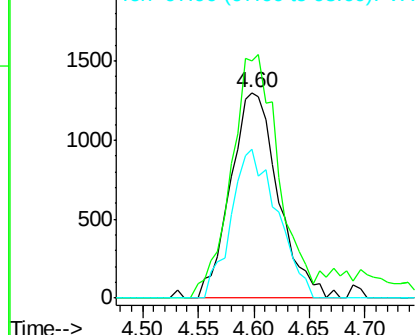
96 100

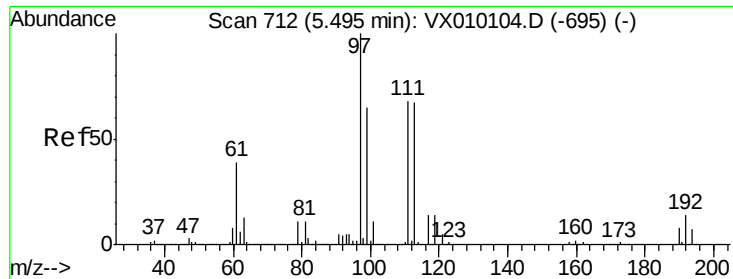
61 117.8 0.0 334.0

98 70.4 0.0 131.6



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: 0.384 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX010200.D

Acq: 11 Jun 2019 01:06

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20190604

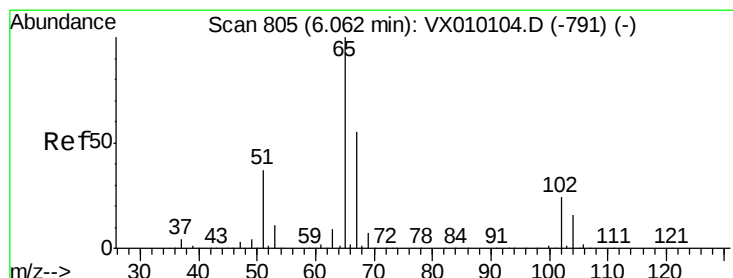
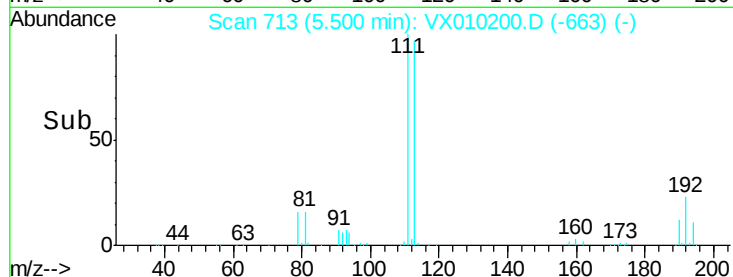
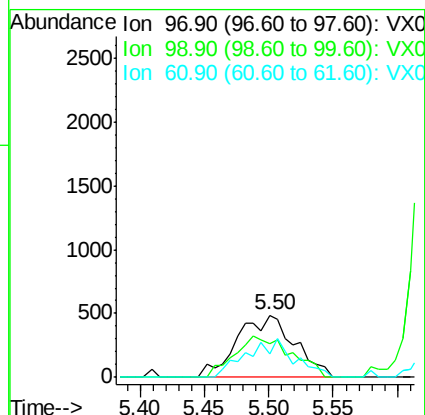
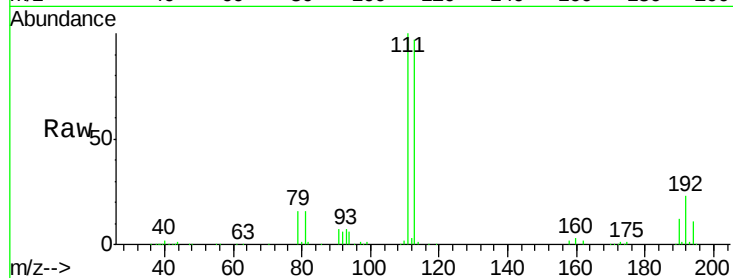
Tot Ion: 97 Resp: 1505

Ion Ratio Lower Upper

97 100

99 0.0 51.0 76.4#

61 51.2 38.7 58.1



#33

1,2-Dichloroethane-d4

Concen: 46.100 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010200.D

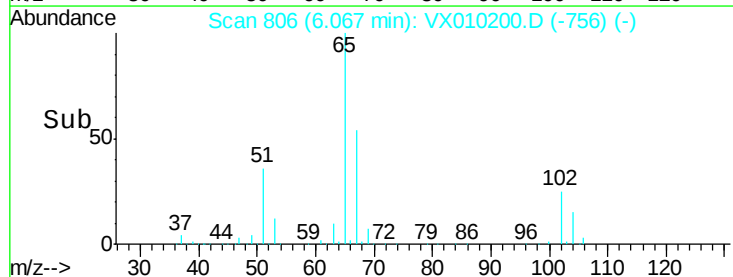
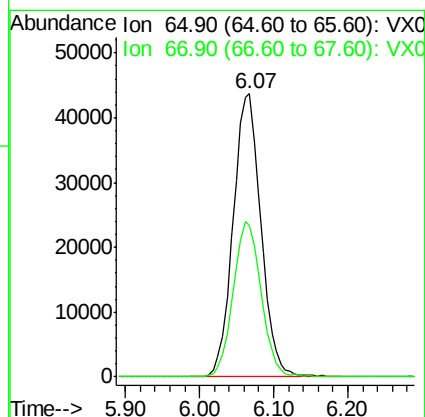
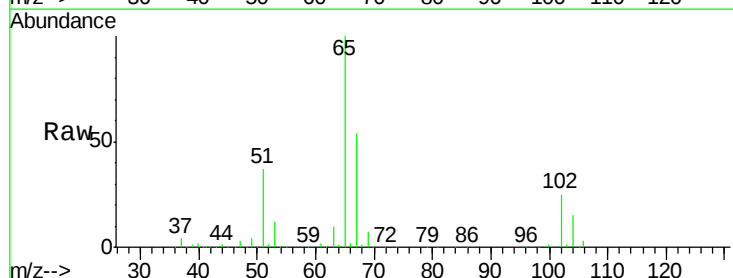
Acq: 11 Jun 2019 01:06

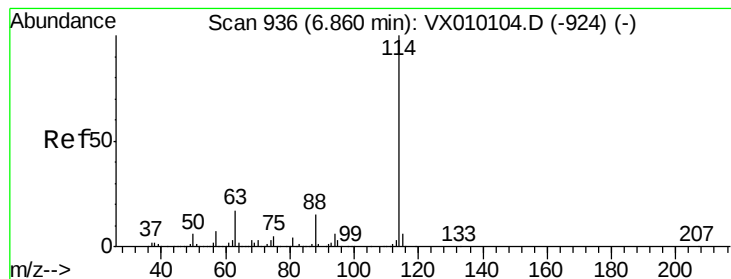
Tgt Ion: 65 Resp: 114849

Ion Ratio Lower Upper

65 100

67 55.3 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010200.D

Acq: 11 Jun 2019 01:06

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20190604

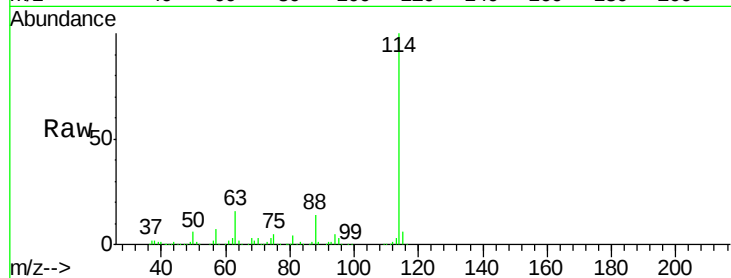
Tot Ion:114 Resp: 387452

Ion Ratio Lower Upper

114 100

63 16.3 0.0 47.4

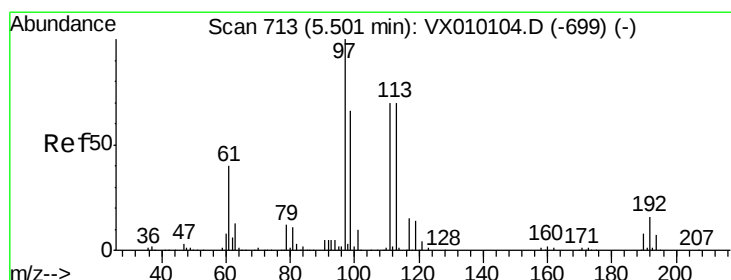
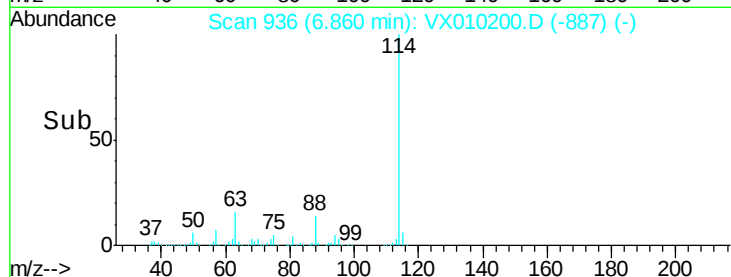
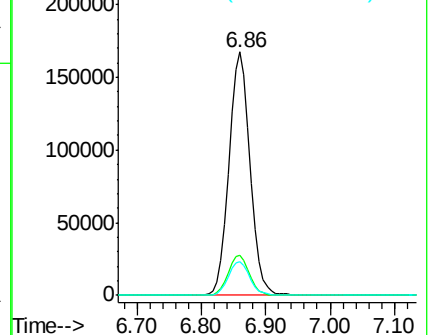
88 13.9 0.0 33.0



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: 49.413 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010200.D

Acq: 11 Jun 2019 01:06

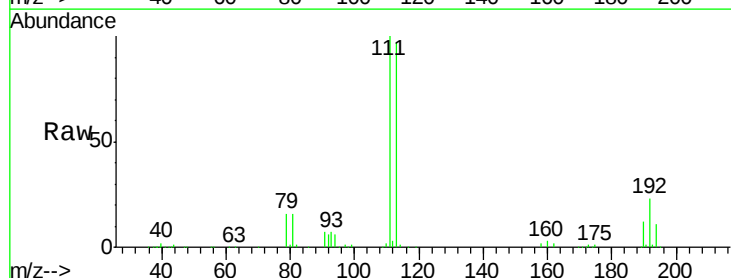
Tgt Ion:113 Resp: 118092

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

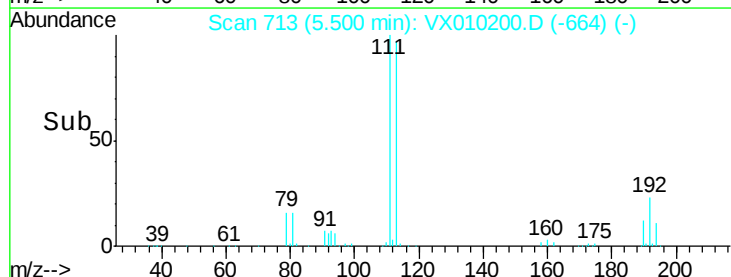
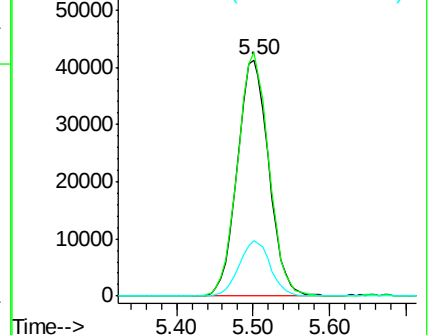
192 23.3 17.1 25.7

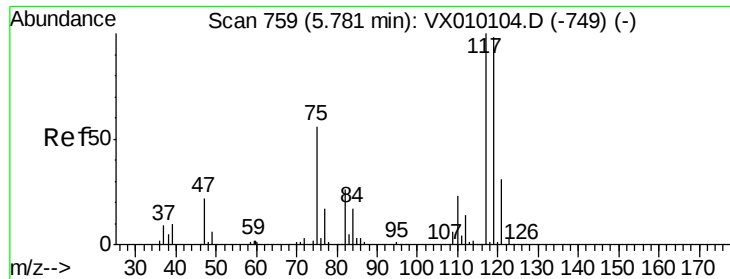


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 0.592 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX010200.D

Acq: 11 Jun 2019 01:06

Instrument :

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ClientSampleId :

RE126D2-20190604

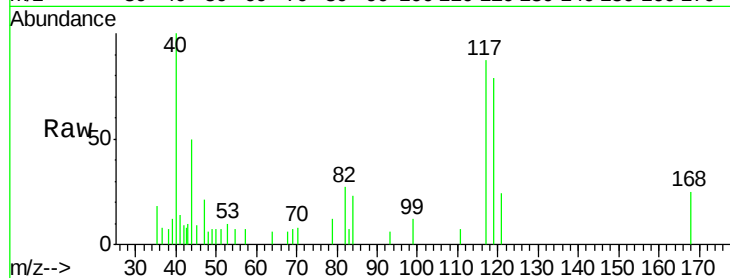
Tot Ion:117 Resp: 2119

Ion Ratio Lower Upper

117 100

119 90.8 77.3 115.9

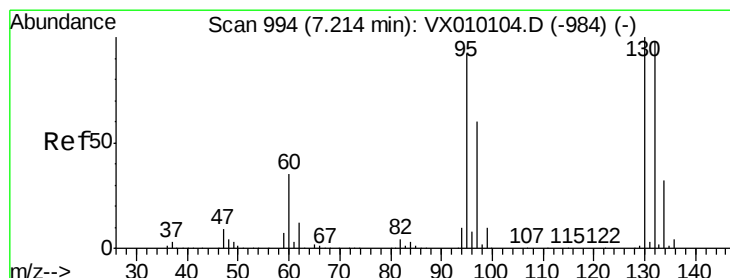
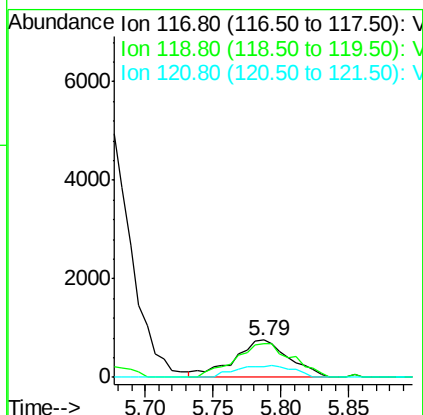
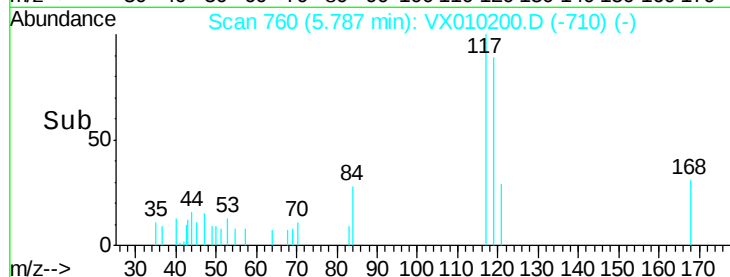
121 27.0 25.4 38.0



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: 465.099 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010200.D

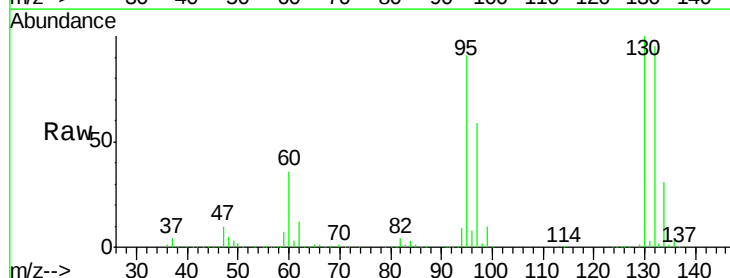
Acq: 11 Jun 2019 01:06

Tgt Ion:130 Resp: 1370326

Ion Ratio Lower Upper

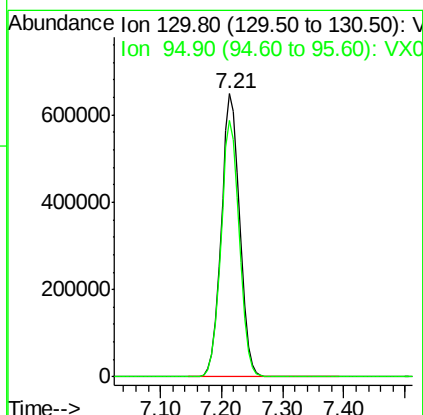
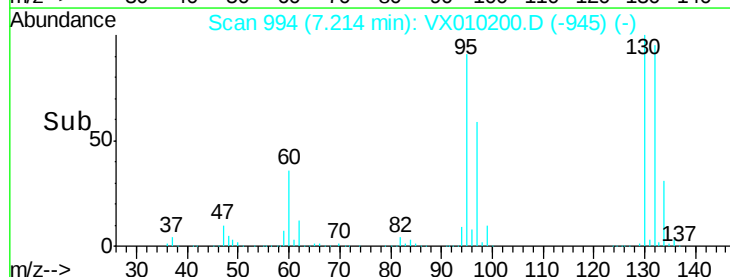
130 100

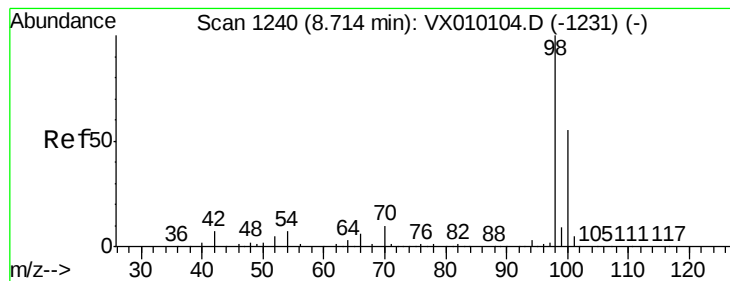
95 90.8 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.570 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010200.D

Acq: 11 Jun 2019 01:06

Instrument :

MSVOA_X

ClientSampleId :

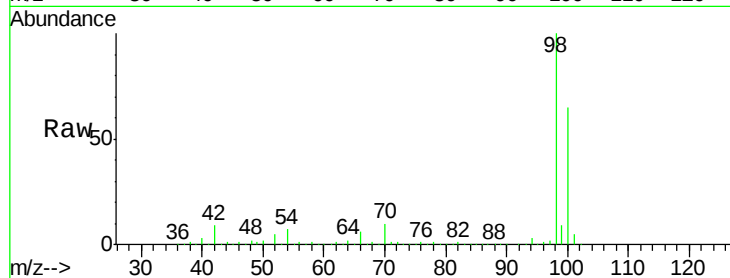
RE126D2-20190604

Tot Ion: 98 Resp: 452955

Ion Ratio Lower Upper

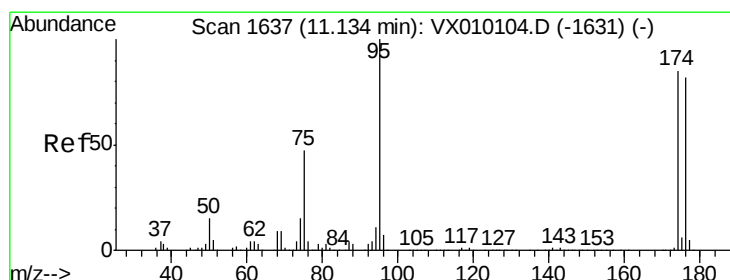
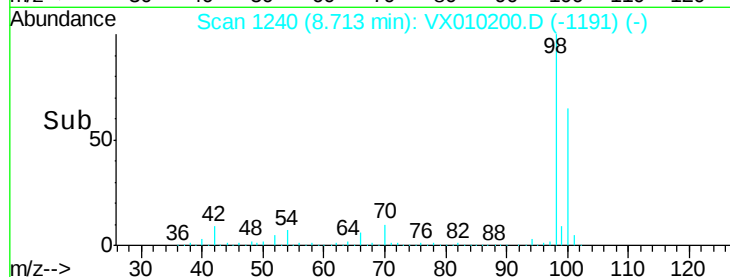
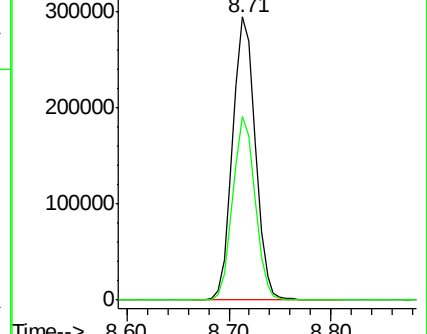
98 100

100 63.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 44.393 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010200.D

Acq: 11 Jun 2019 01:06

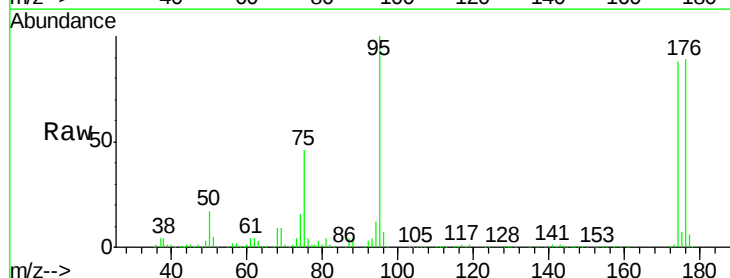
Tgt Ion: 95 Resp: 148497

Ion Ratio Lower Upper

95 100

174 94.9 0.0 160.4

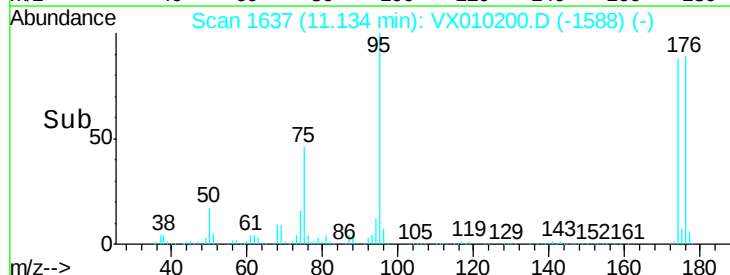
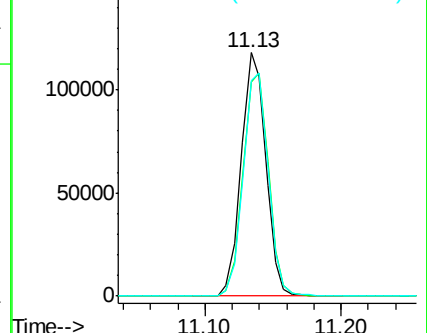
176 93.5 0.0 154.6

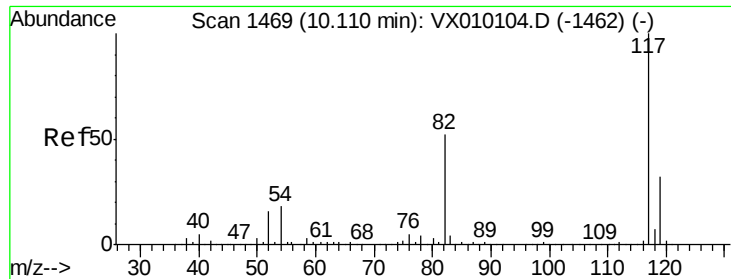


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

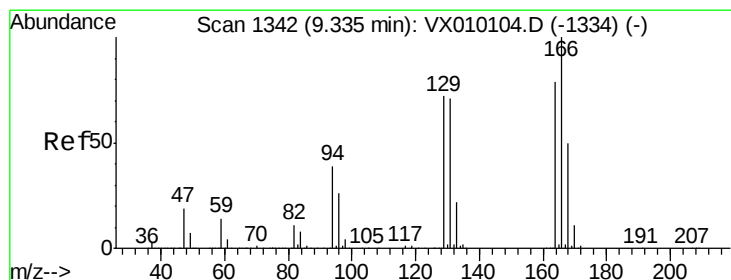
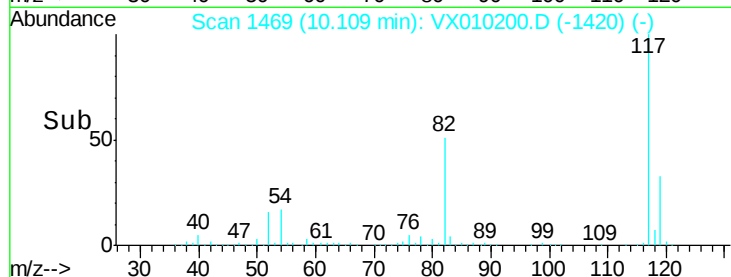
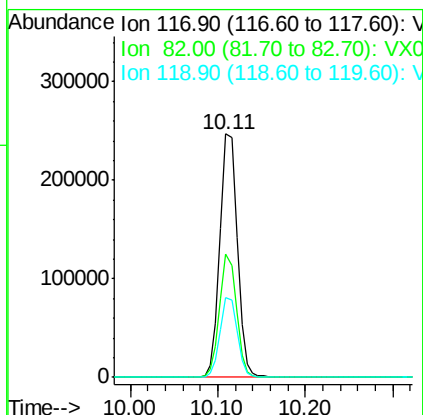
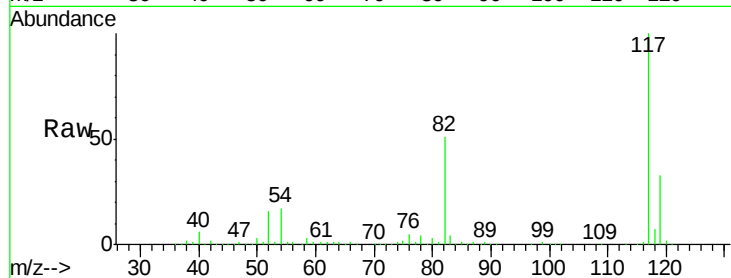




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010200.D
Acq: 11 Jun 2019 01:06

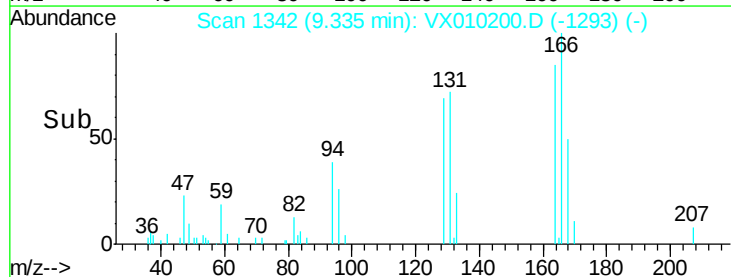
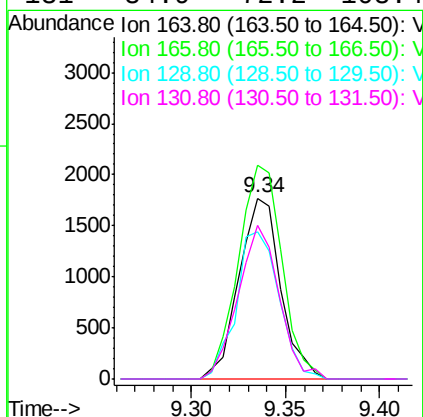
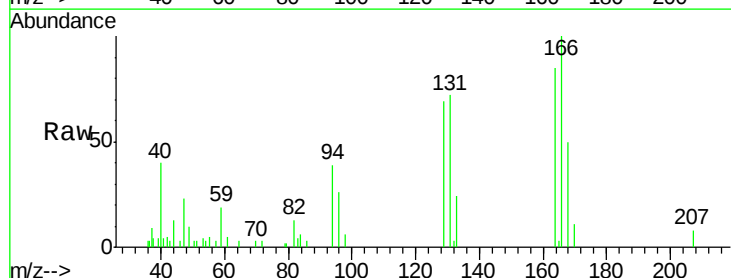
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20190604

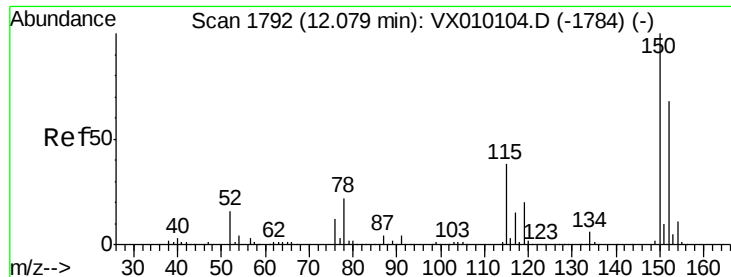
Tot Ion:117 Resp: 341883
Ion Ratio Lower Upper
117 100
82 50.6 49.2 73.8
119 33.0 25.2 37.8



#64
Tetrachloroethene
Concen: 1.071 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010200.D
Acq: 11 Jun 2019 01:06

Tgt Ion:164 Resp: 2719
Ion Ratio Lower Upper
164 100
166 118.2 105.0 157.4
129 81.8 75.1 112.7
131 84.9 72.2 108.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010200.D

Acq: 11 Jun 2019 01:06

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20190604

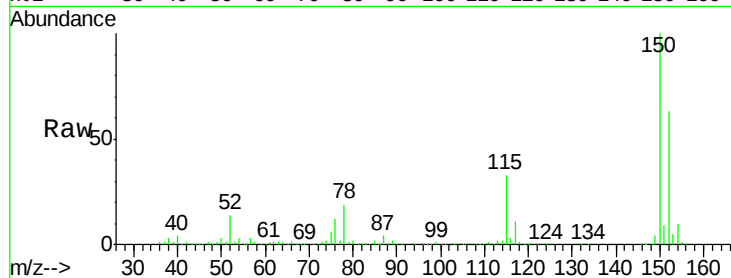
Tot Ion:152 Resp: 153869

Ion Ratio Lower Upper

152 100

115 54.4 41.4 124.2

150 157.4 0.0 345.2



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

