

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070220\
 Data File : VX017160.D
 Acq On : 02 Jul 2020 19:42
 Operator : JC/SP
 Sample : L3210-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 06 08:01:30 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

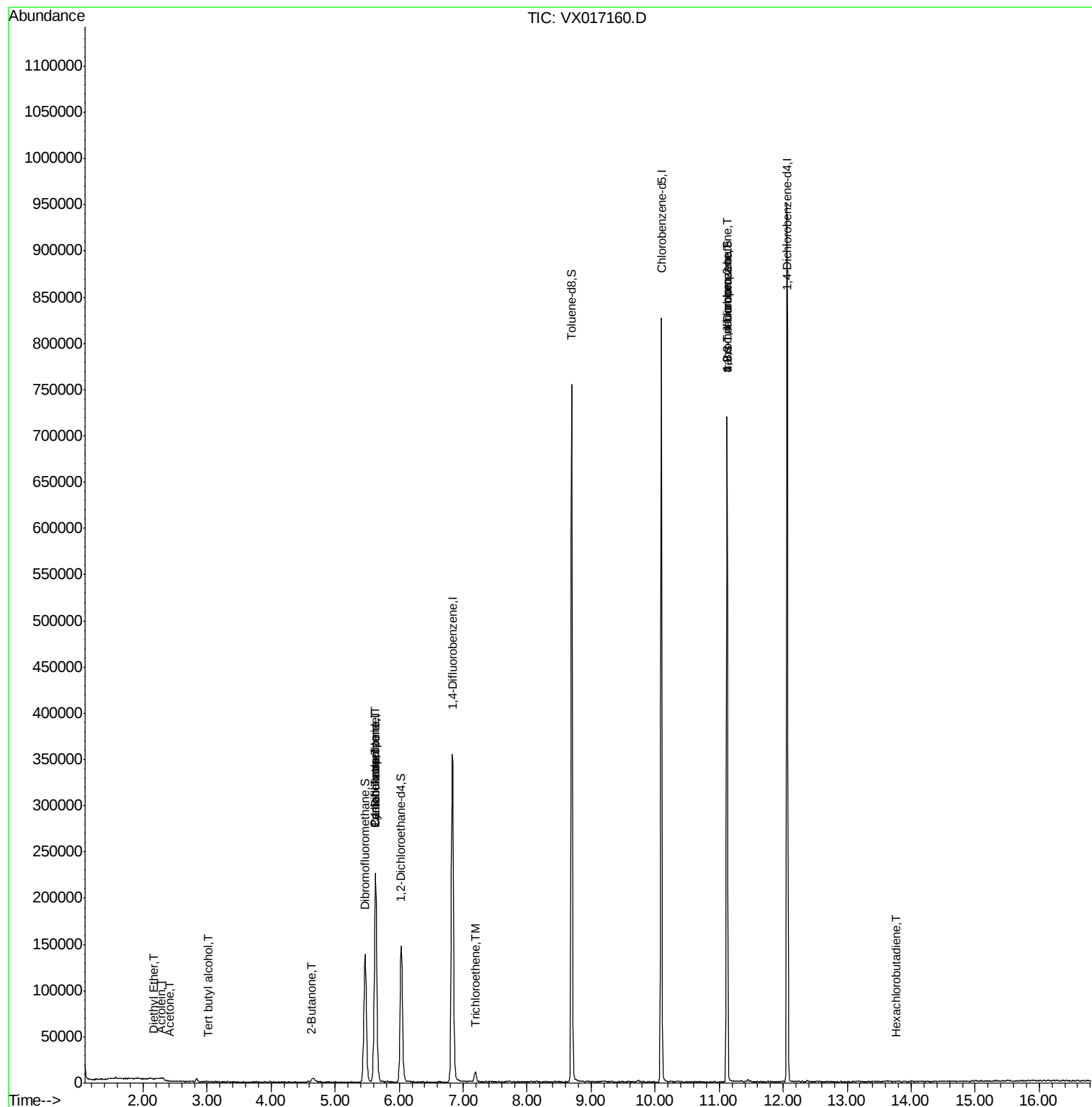
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	213553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	359960	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	366581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	198931	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	141665	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
35) Dibromofluoromethane	5.47	113	120463	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	8.70	98	438505	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
62) 4-Bromofluorobenzene	11.12	95	180134	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	115	0.464	ug/l	55
11) Tert butyl alcohol	3.01	59	136	0.271	ug/l #	80
13) Acrolein	2.28	56	381	1.269	ug/l	98
16) Acetone	2.42	43	991	1.006	ug/l #	83
20) Methylene Chloride	2.84	84	1367	Below Cal	#	86
25) 2-Butanone	4.63	43	332	0.202	ug/l #	49
31) Cyclohexane	5.63	56	4433	1.247	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15434	4.537	ug/l #	50
38) Carbon Tetrachloride	5.63	117	20663	5.514	ug/l #	17
44) Trichloroethene	7.19	130	4451	1.312	ug/l	89
76) 1,2,3-Trichloropropane	11.12	75	89453	22.867	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	89453	59.218	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	326	Below Cal		75
94) Hexachlorobutadiene	13.77	225	119	0.918	ug/l #	50

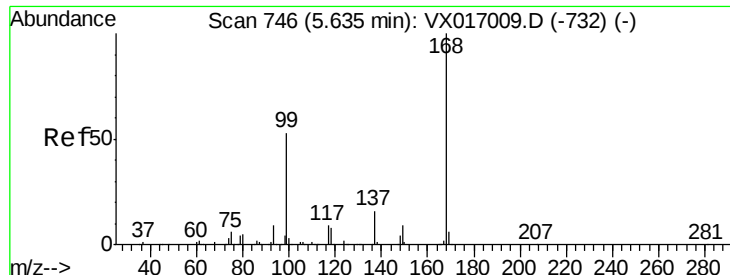
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 06 08:01:30 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: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017160.D

Acq: 02 Jul 2020 19:42

Instrument :

MSVOA_X

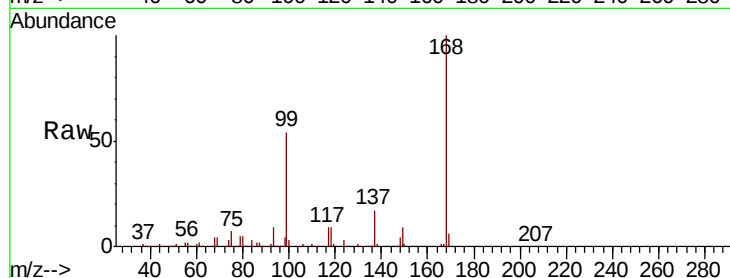
ClientSampleId :

Tot Ion:168 Resp: 213553

Ion Ratio Lower Upper

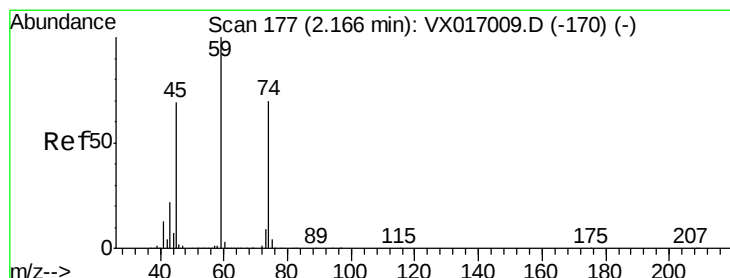
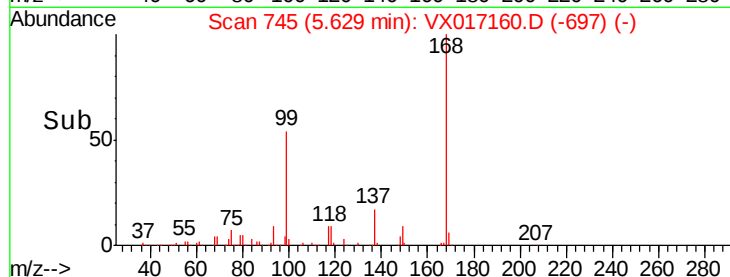
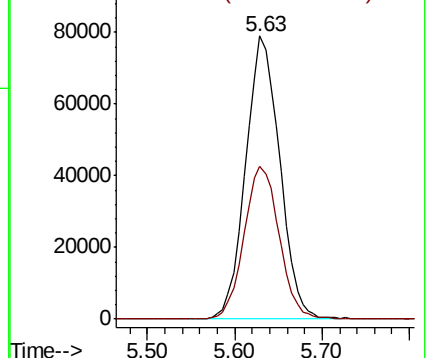
168 100

99 54.0 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.464 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017160.D

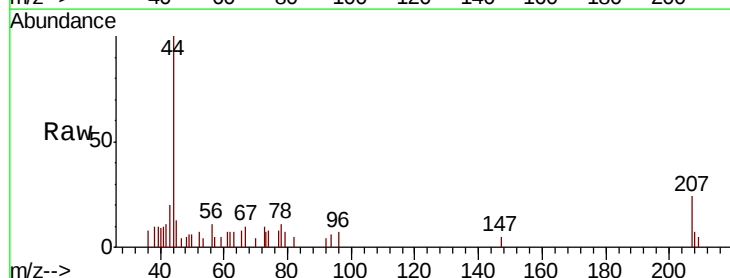
Acq: 02 Jul 2020 19:42

Tgt Ion: 74 Resp: 115

Ion Ratio Lower Upper

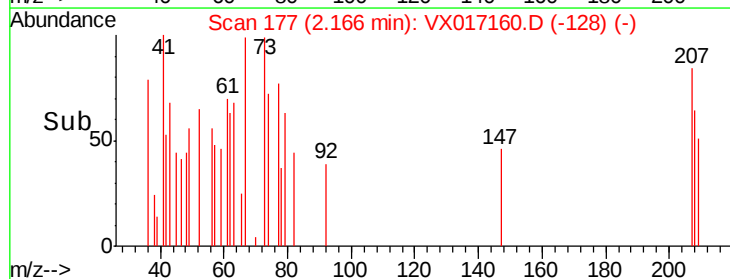
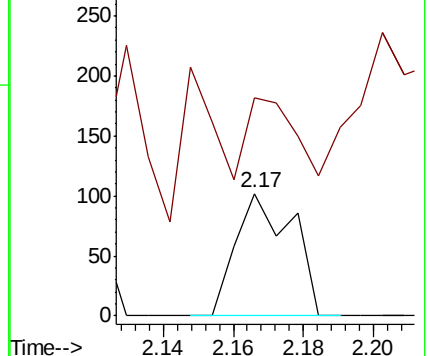
74 100

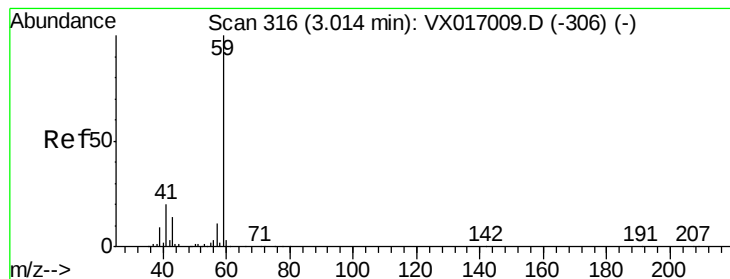
45 54.8 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



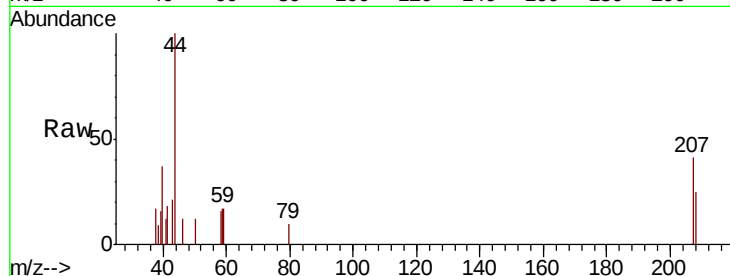


#11

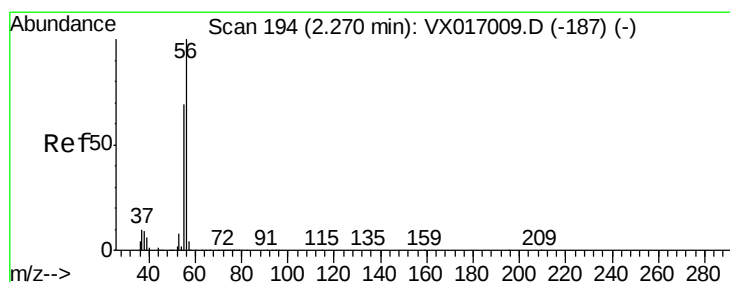
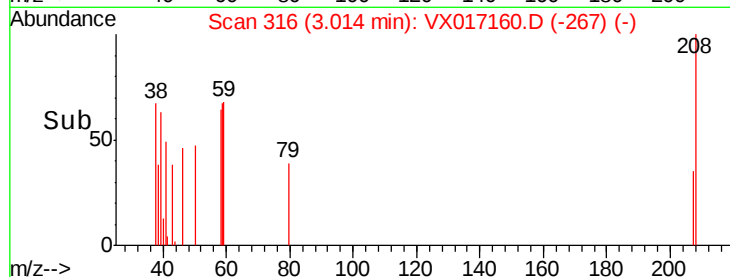
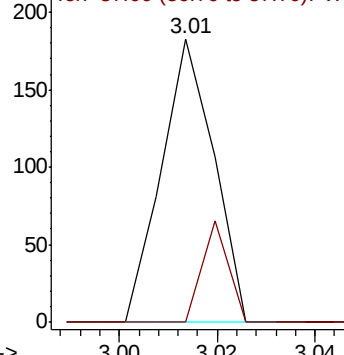
Tert butyl alcohol
 Concen: 0.271 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VX017160.D
 Acq: 02 Jul 2020 19:42

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 59 Resp: 136
 Ion Ratio Lower Upper
 59 100
 57 17.6 8.2 12.2#



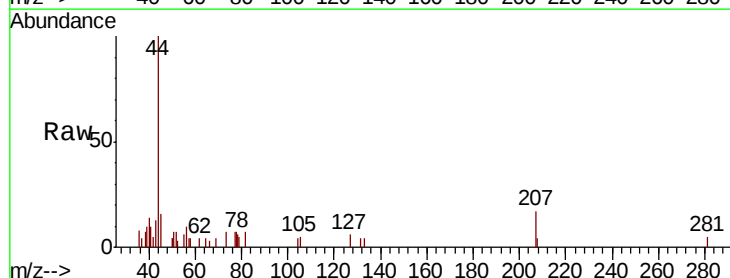
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



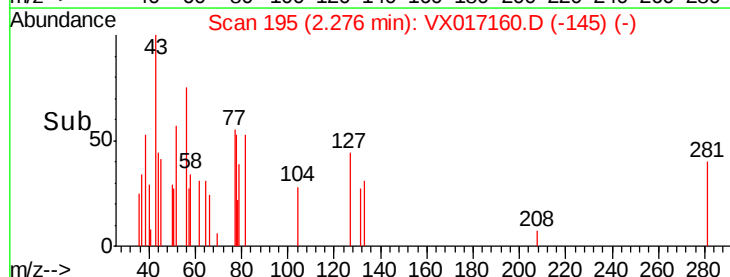
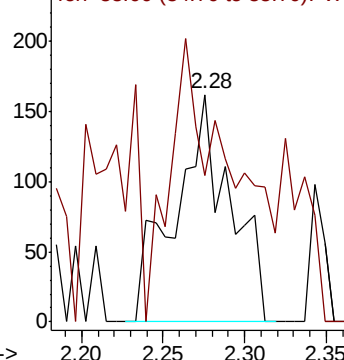
#13

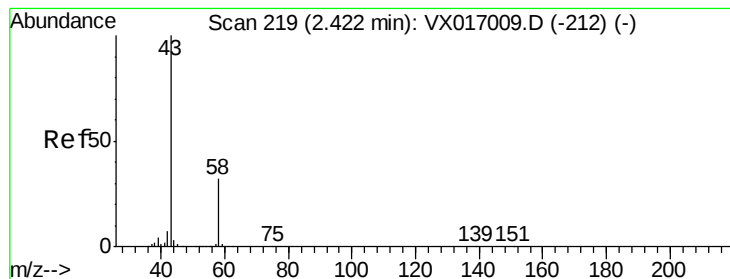
Acrolein
 Concen: 1.269 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX017160.D
 Acq: 02 Jul 2020 19:42

Tgt Ion: 56 Resp: 381
 Ion Ratio Lower Upper
 56 100
 55 70.9 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: 1.006 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017160.D

Acq: 02 Jul 2020 19:42

Instrument :

MSVOA_X

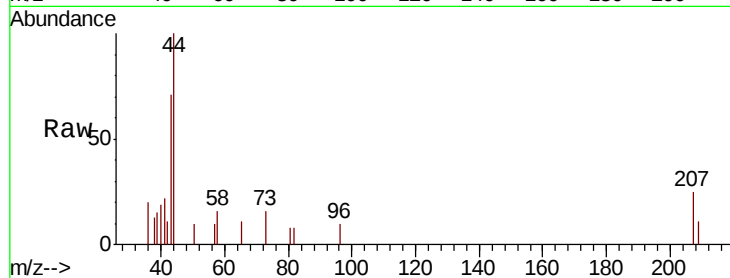
ClientSampled :

Tot Ion: 43 Resp: 991

Ion Ratio Lower Upper

43 100

58 22.7 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

400

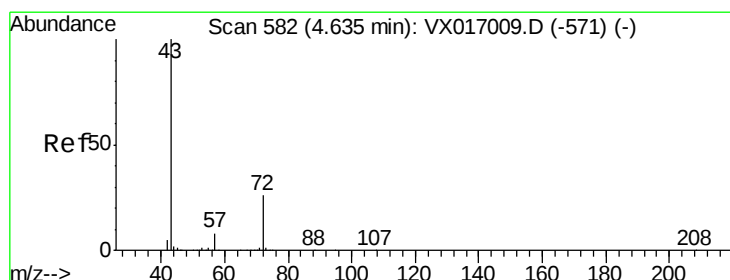
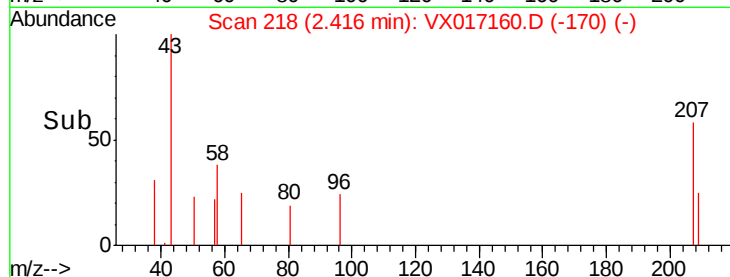
300

200

100

0

Time-->



#25

2-Butanone

Concen: 0.202 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX017160.D

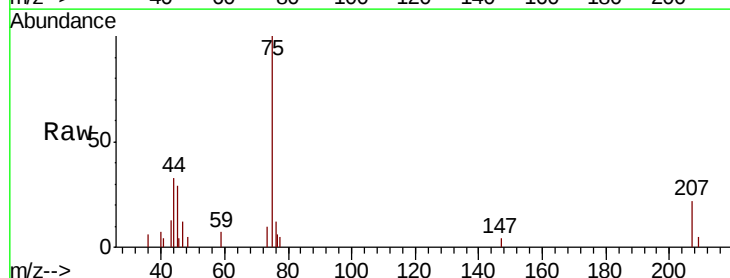
Acq: 02 Jul 2020 19:42

Tgt Ion: 43 Resp: 332

Ion Ratio Lower Upper

43 100

72 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250

200

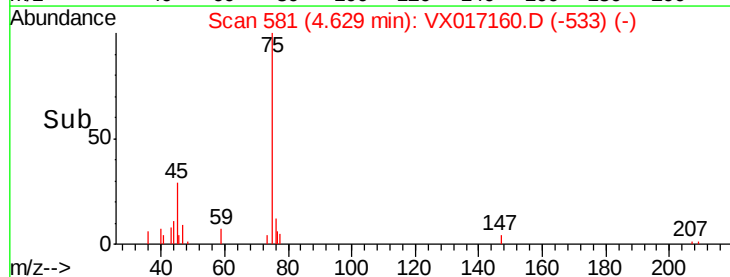
150

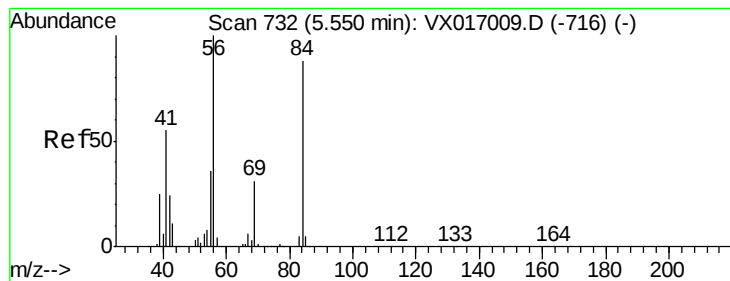
100

50

0

Time-->





#31

Cyclohexane

Concen: 1.247 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX017160.D

Acq: 02 Jul 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

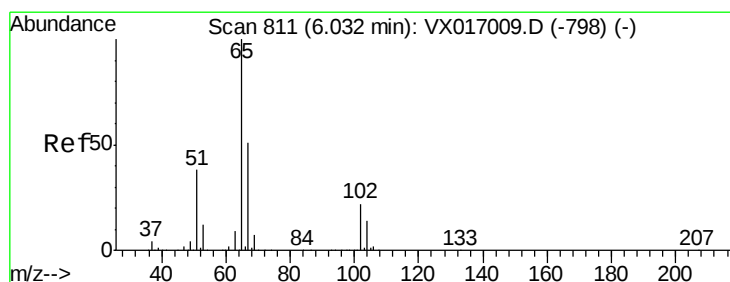
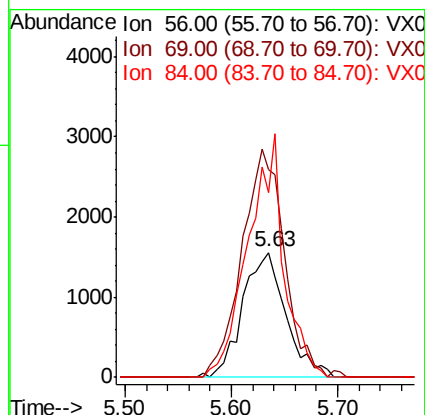
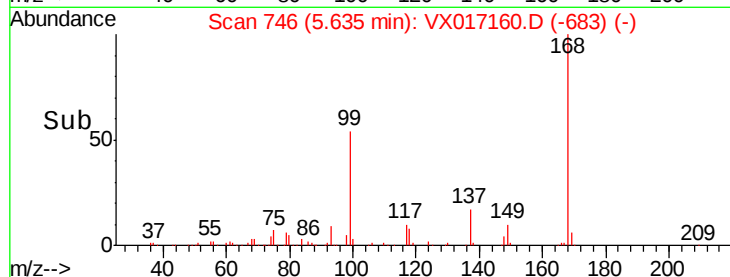
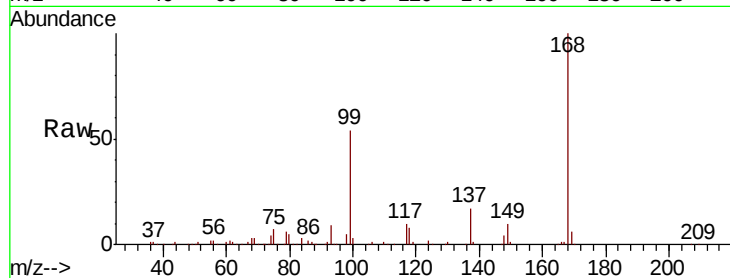
Tot Ion: 56 Resp: 4433

Ion Ratio Lower Upper

56 100

69 166.6 25.0 37.4#

84 148.2 69.1 103.7#



#33

1,2-Dichloroethane-d4

Concen: 53.810 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017160.D

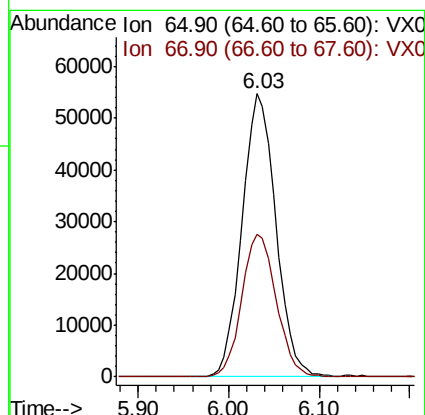
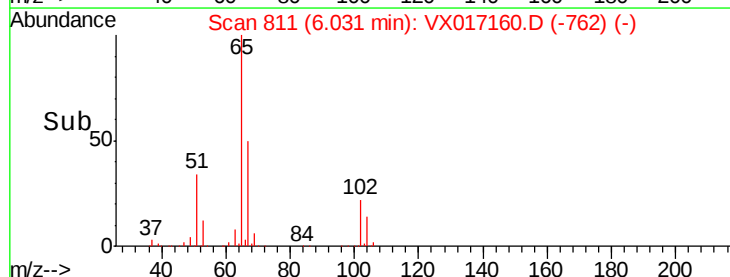
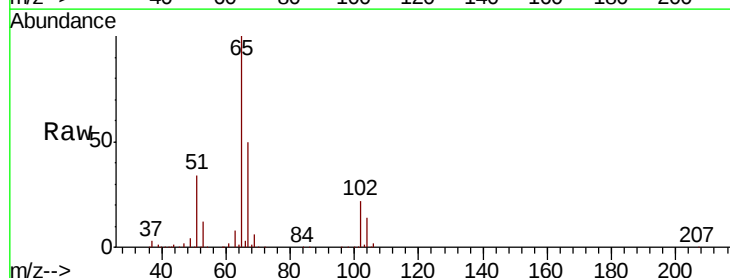
Acq: 02 Jul 2020 19:42

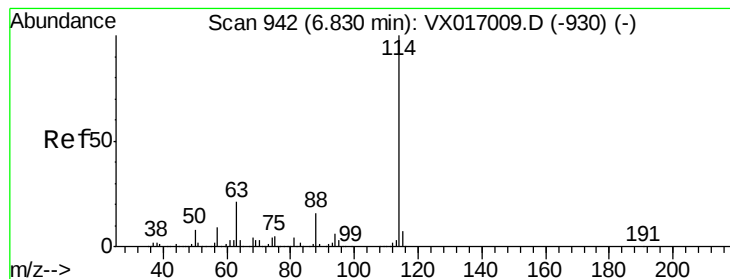
Tgt Ion: 65 Resp: 141665

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017160.D

Acq: 02 Jul 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

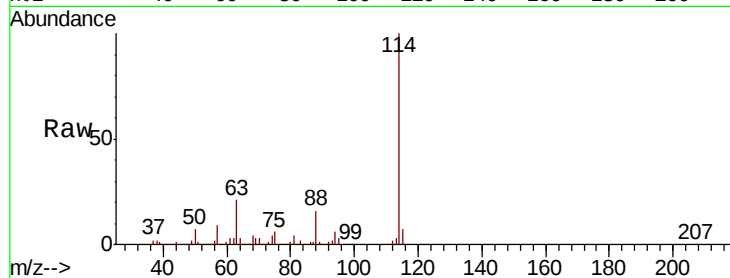
Tot Ion:114 Resp: 359960

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

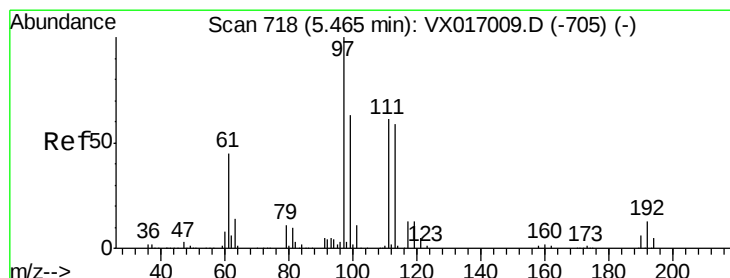
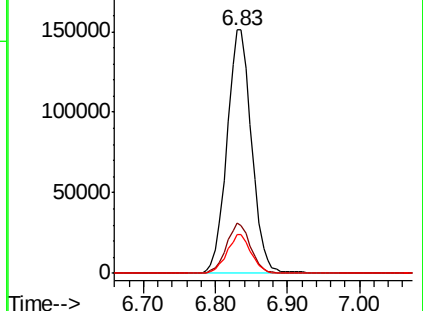
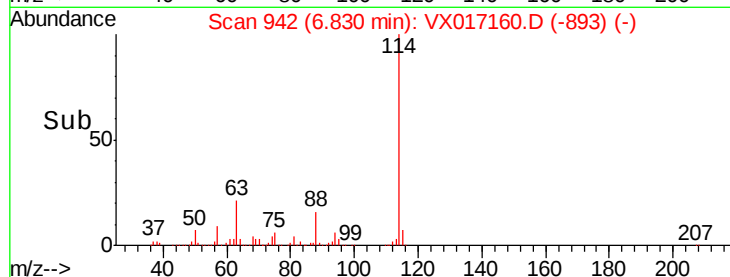
88 16.0 0.0 32.4



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: 52.904 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017160.D

Acq: 02 Jul 2020 19:42

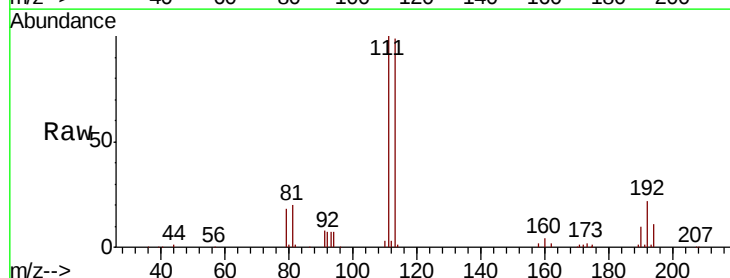
Tgt Ion:113 Resp: 120463

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

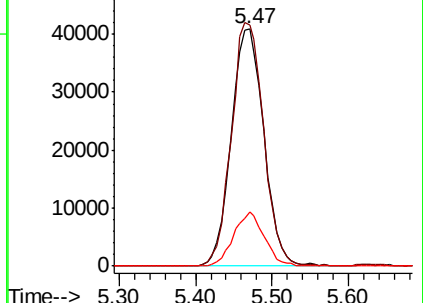
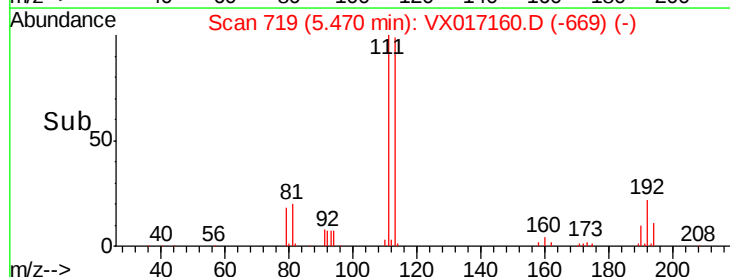
192 21.6 16.7 25.1

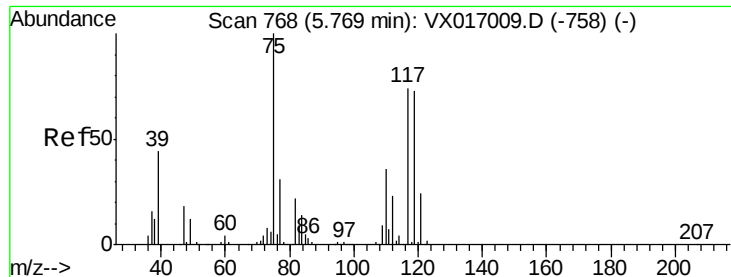


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.537 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017160.D

Acq: 02 Jul 2020 19:42

Instrument :
MSVOA_X
ClientSampleId :

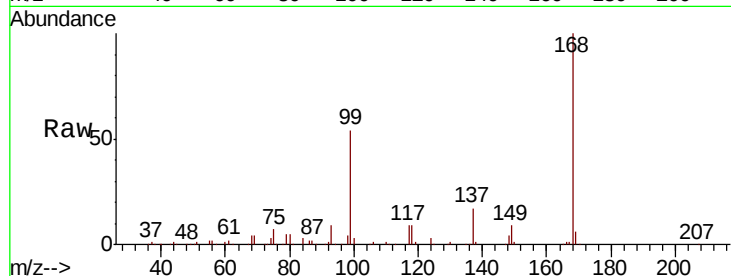
Tot Ion: 75 Resp: 15434

Ion Ratio Lower Upper

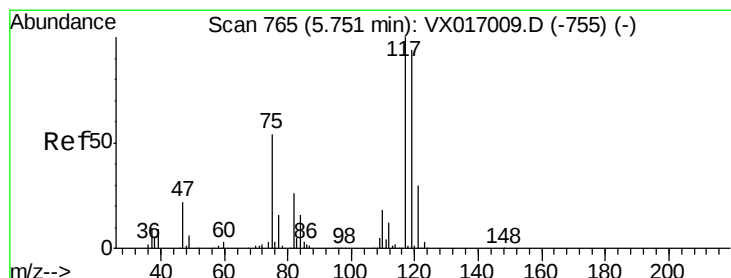
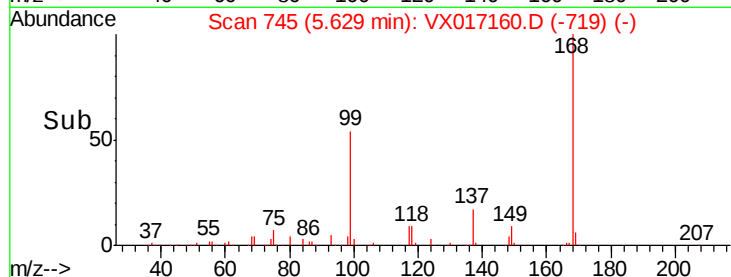
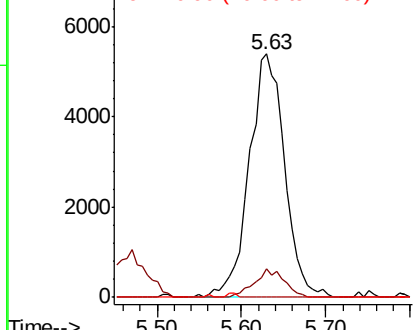
75 100

110 9.8 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: 5.514 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017160.D

Acq: 02 Jul 2020 19:42

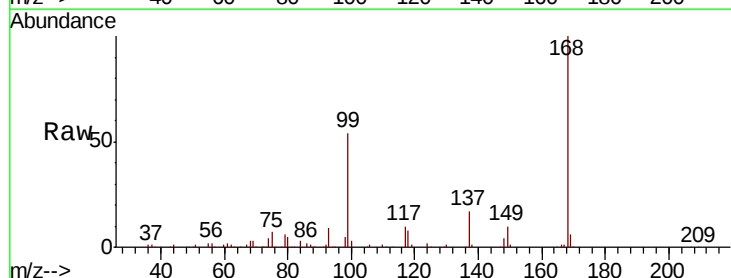
Tgt Ion:117 Resp: 20663

Ion Ratio Lower Upper

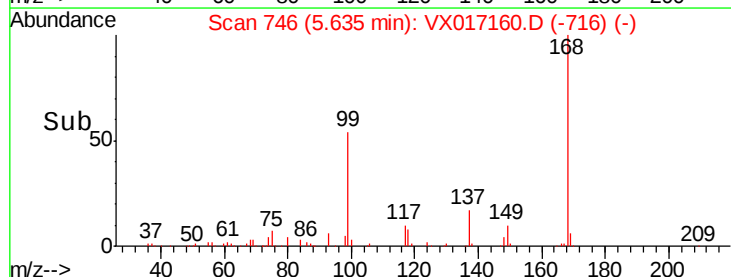
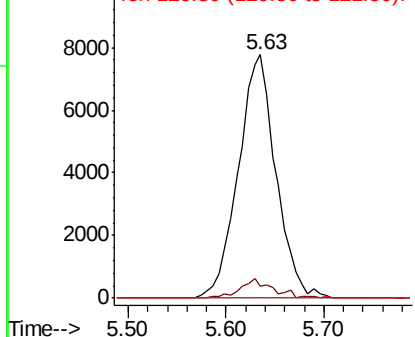
117 100

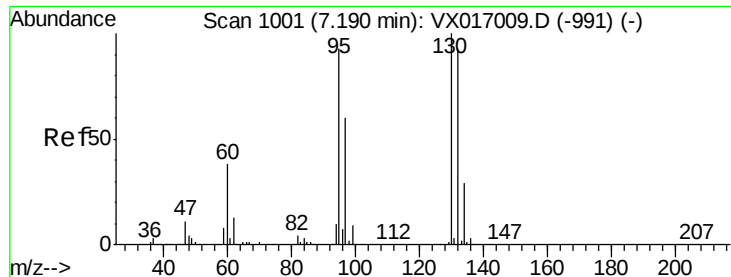
119 5.0 75.4 113.0#

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: 1.312 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017160.D

Acq: 02 Jul 2020 19:42

Instrument :

MSVOA_X

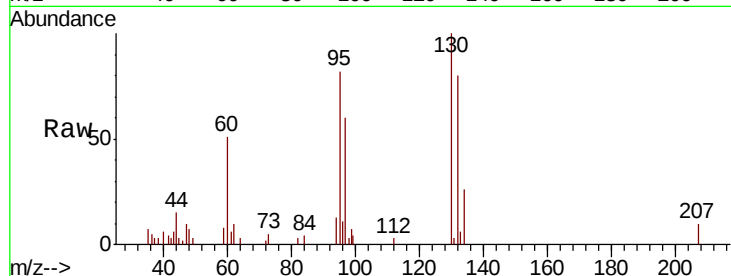
ClientSampled :

Tot Ion:130 Resp: 4451

Ion Ratio Lower Upper

130 100

95 82.3 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

2500

2000

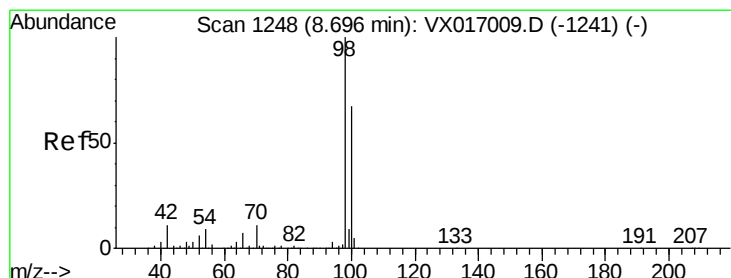
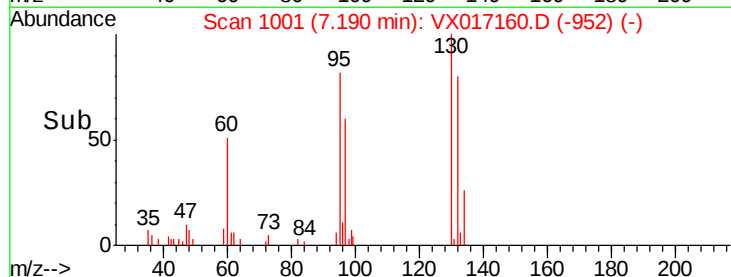
1500

1000

500

0

Time--> 7.10 7.15 7.20 7.25



#50

Toluene-d8

Concen: 52.080 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017160.D

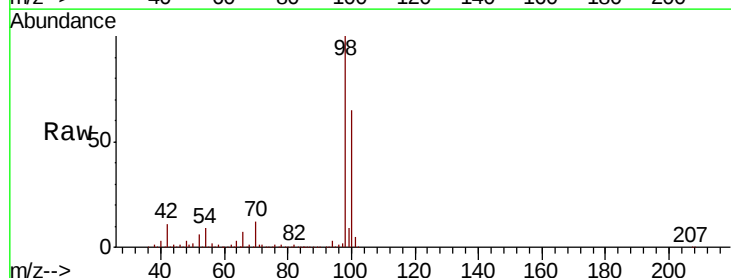
Acq: 02 Jul 2020 19:42

Tgt Ion: 98 Resp: 438505

Ion Ratio Lower Upper

98 100

100 65.7 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

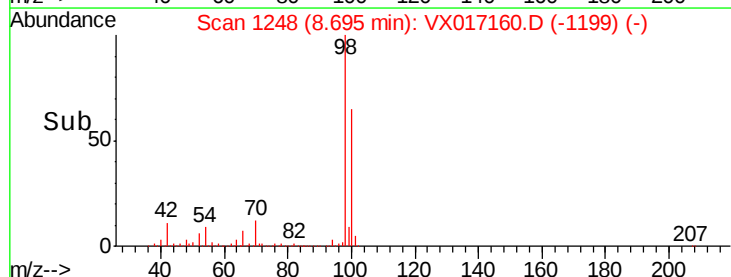
300000

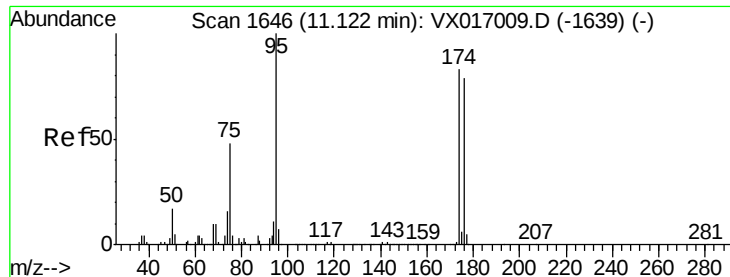
200000

100000

0

Time--> 8.60 8.70 8.80





#62

4-Bromofluorobenzene

Concen: 54.728 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017160.D

Acq: 02 Jul 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

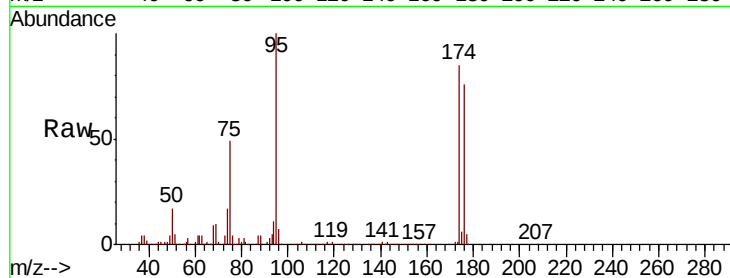
Tot Ion: 95 Resp: 180134

Ion Ratio Lower Upper

95 100

174 84.6 0.0 164.0

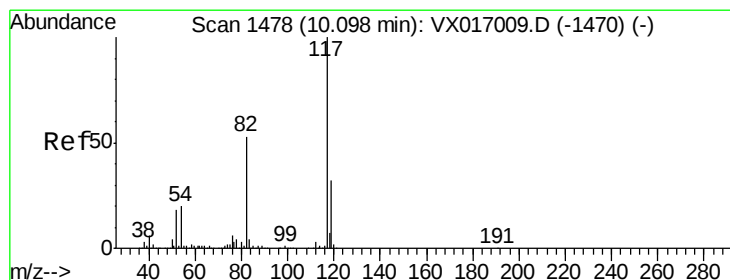
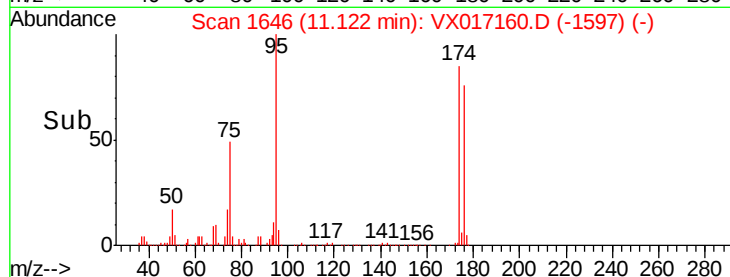
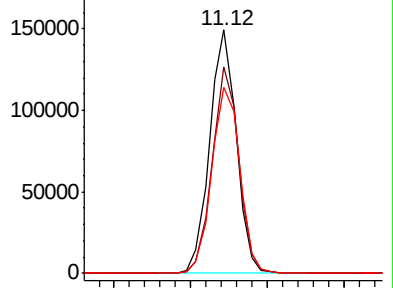
176 80.7 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX017160.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX017160.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX017160.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017160.D

Acq: 02 Jul 2020 19:42

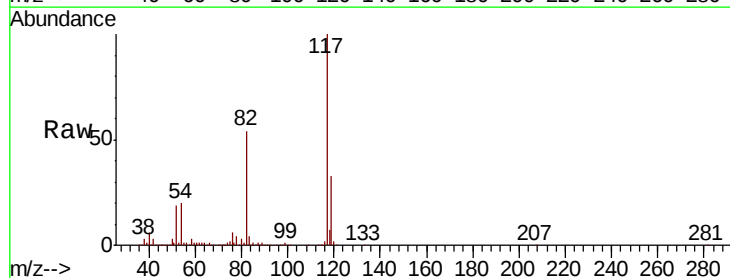
Tgt Ion: 117 Resp: 366581

Ion Ratio Lower Upper

117 100

82 54.0 42.6 63.8

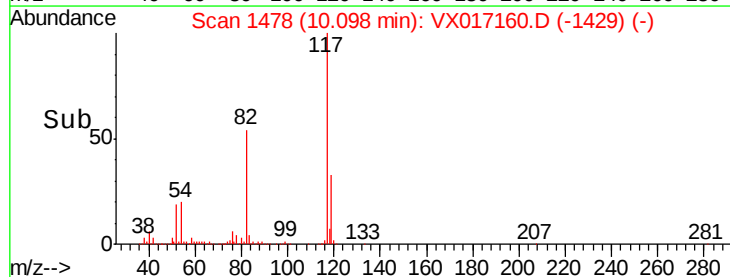
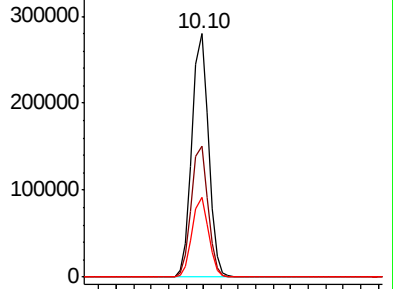
119 33.0 25.4 38.2

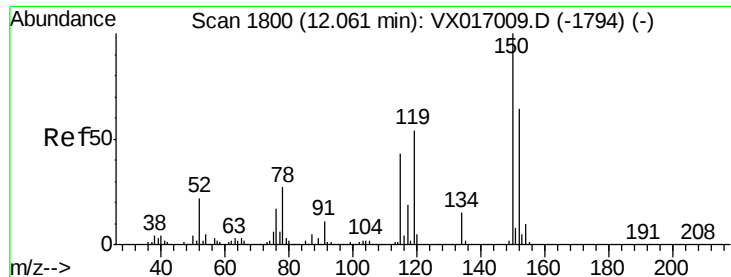


Abundance Ion 116.90 (116.60 to 117.60): VX017160.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017160.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017160.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017160.D

Acq: 02 Jul 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

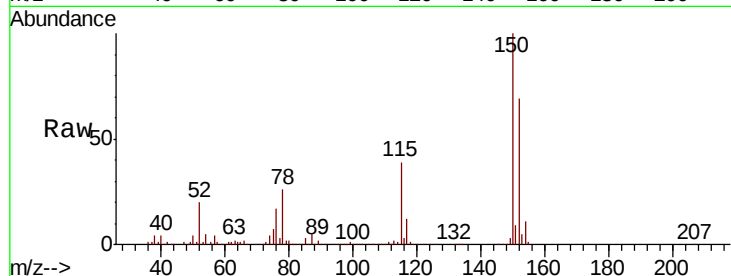
Tot Ion:152 Resp: 198931

Ion Ratio Lower Upper

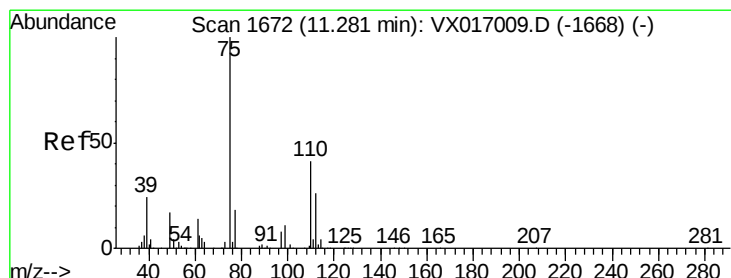
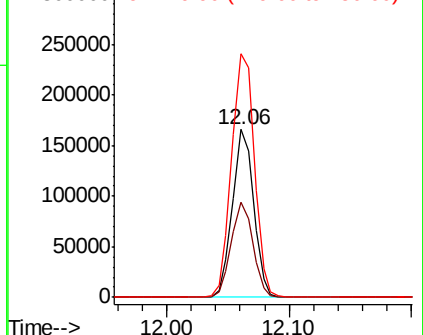
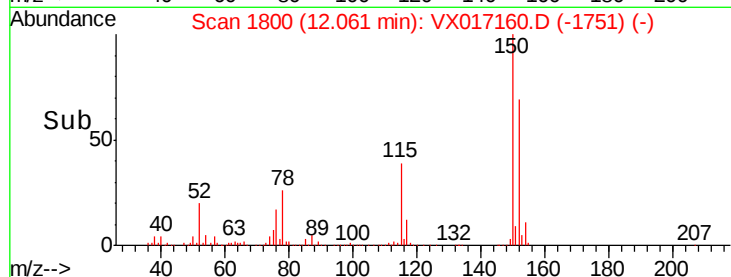
152 100

115 58.0 40.9 122.7

150 155.5 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



#76

1,2,3-Trichloropropane

Concen: 22.867 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017160.D

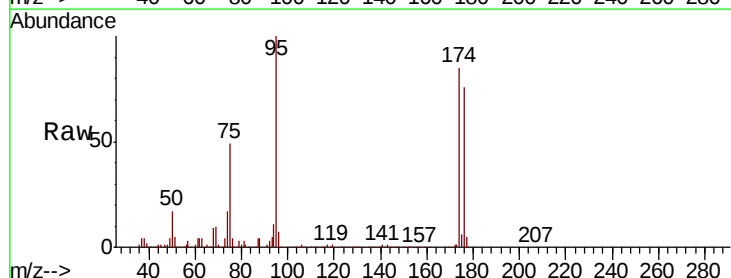
Acq: 02 Jul 2020 19:42

Tgt Ion: 75 Resp: 89453

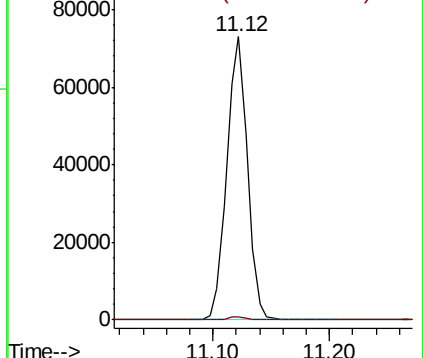
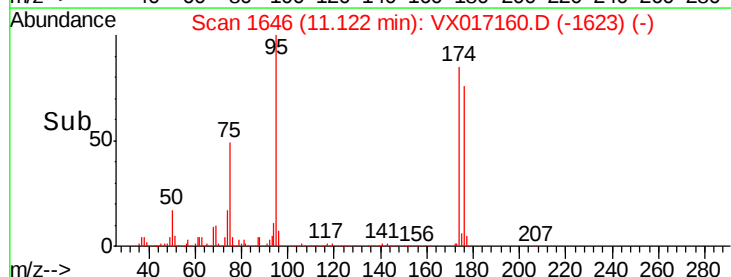
Ion Ratio Lower Upper

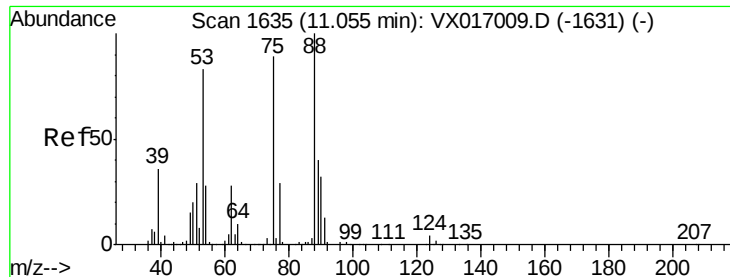
75 100

77 1.1 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.218 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017160.D

Acq: 02 Jul 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

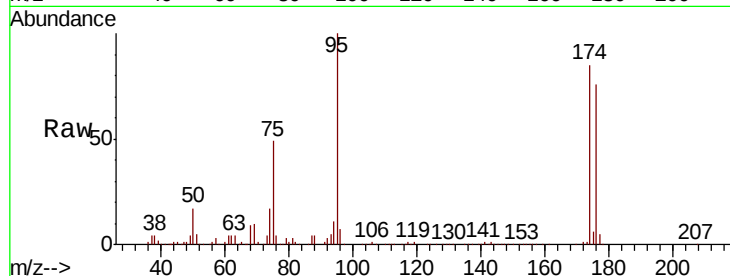
Tot Ion: 75 Resp: 89453

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

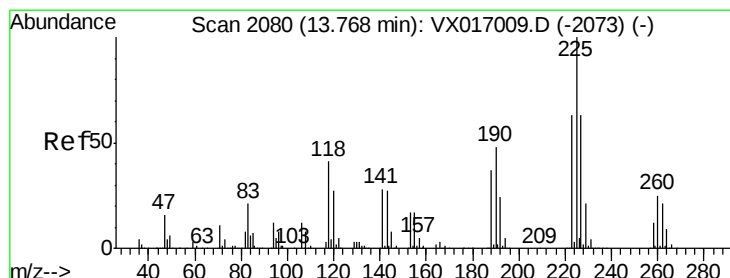
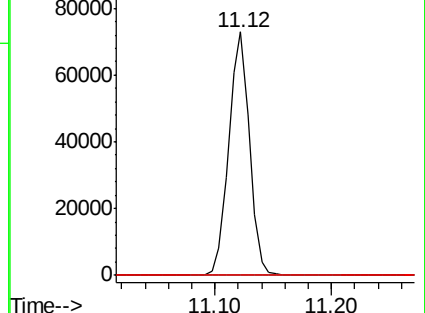
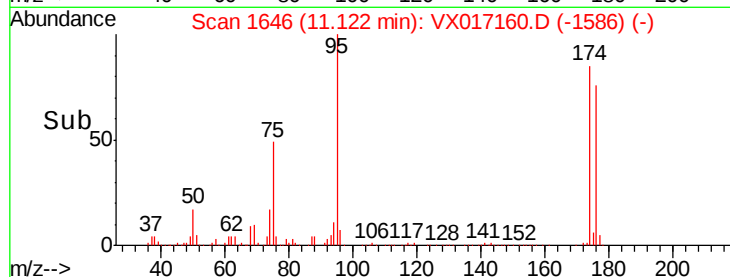
89 0.1 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#94

Hexachlorobutadiene

Concen: 0.918 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017160.D

Acq: 02 Jul 2020 19:42

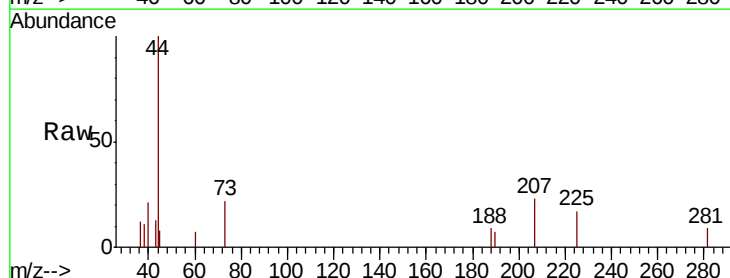
Tgt Ion: 225 Resp: 119

Ion Ratio Lower Upper

225 100

223 52.1 32.5 97.5

227 0.0 33.1 99.2#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

