

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\
 Data File : VX016020.D
 Acq On : 01 May 2020 18:33
 Operator : JC/SP
 Sample : L2469-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ190I-20200429

Quant Time: May 04 05:18:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	272120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	446193	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	434452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	226555	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	176033	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
35) Dibromofluoromethane	5.47	113	134702	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	8.70	98	543158	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	11.12	95	220900	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	

Target Compounds

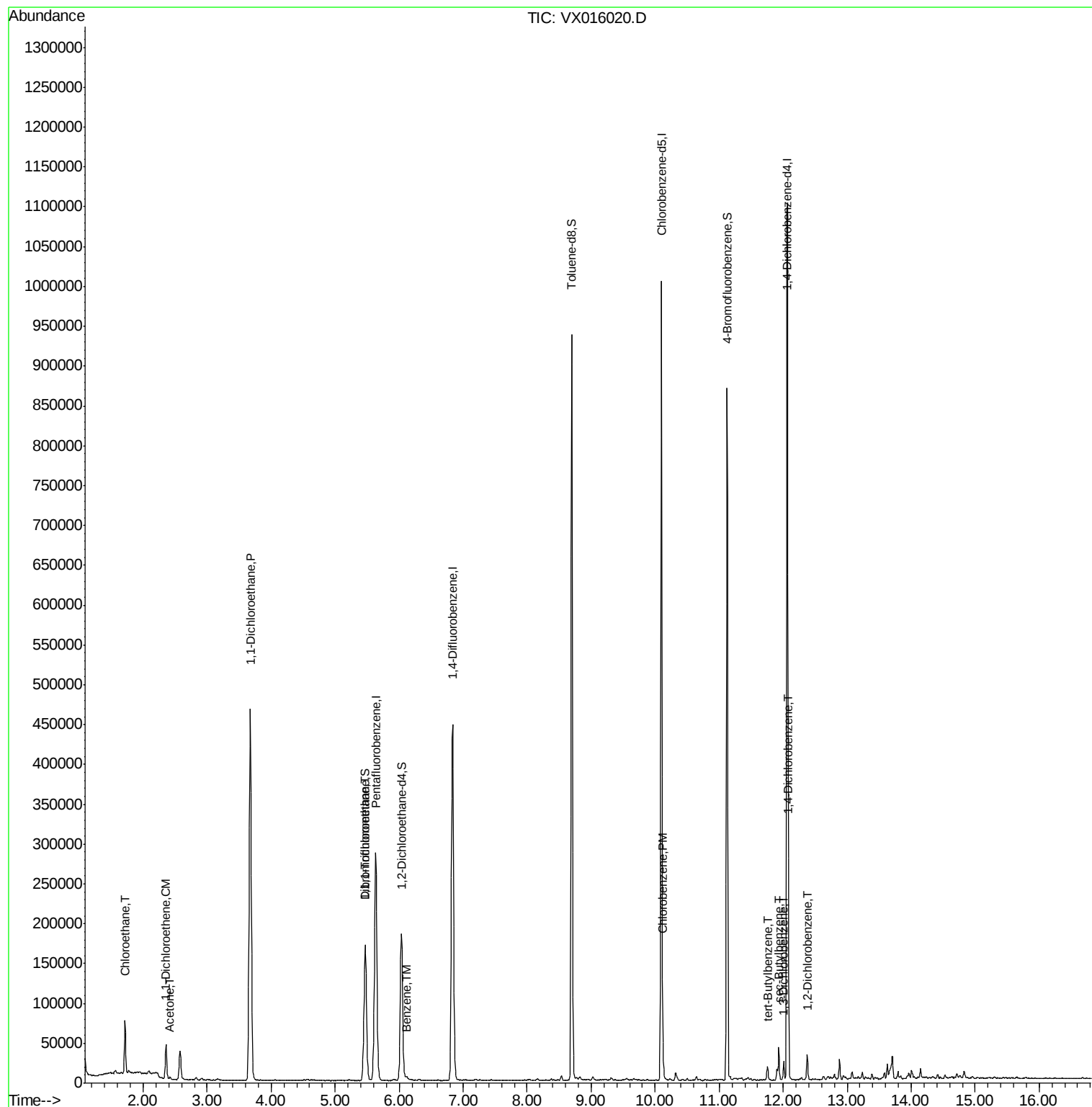
						Qvalue
6) Chloroethane	1.72	64	39521	17.728	ug/l	100
12) 1,1-Dichloroethene	2.36	96	13532	5.197	ug/l	98
16) Acetone	2.42	43	2464	1.620	ug/l	96
24) 1,1-Dichloroethane	3.67	63	530437	103.166	ug/l	100
32) 1,1,1-Trichloroethane	5.47	97	10923	2.219	ug/l	97
40) Benzene	6.12	78	4646	0.383	ug/l	100
65) Chlorobenzene	10.12	112	8689	0.982	ug/l	98
83) tert-Butylbenzene	11.76	119	6028	0.538	ug/l	97
85) sec-Butylbenzene	11.93	105	20582	1.365	ug/l	85
87) 1,3-Dichlorobenzene	12.01	146	7562	1.045	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	32892	4.499	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	8861	1.281	ug/l	98

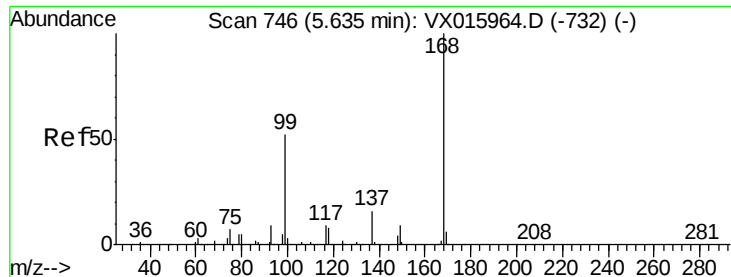
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050120\
Data File : VX016020.D
Acq On : 01 May 2020 18:33
Operator : JC/SP
Sample : L2469-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ190I-20200429

Quant Time: May 04 05:18:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 28 17:30:11 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: VX016020.D

Acq: 01 May 2020 18:33

Instrument :

MSVOA_X

ClientSampleId :

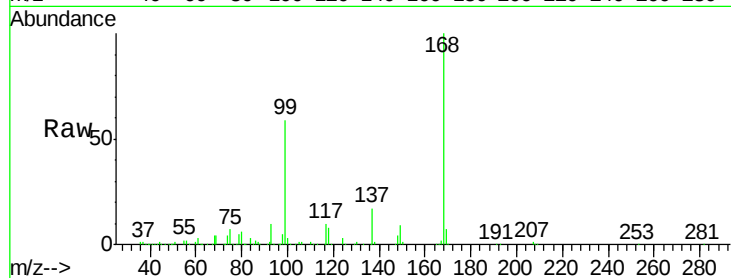
SA-PZ190I-20200429

Tot Ion:168 Resp: 272120

Ion Ratio Lower Upper

168 100

99 59.1 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

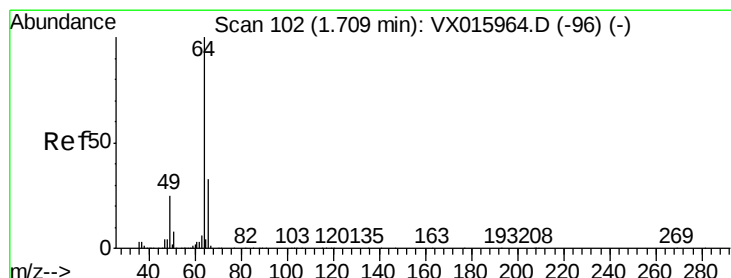
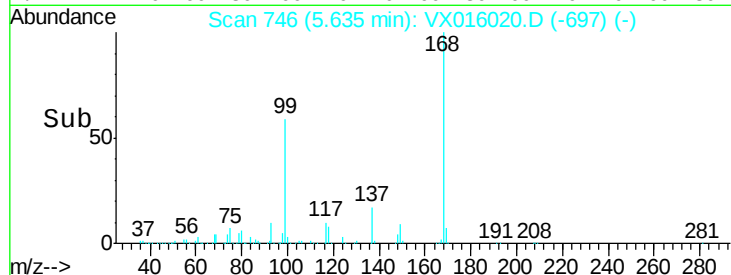
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 17.728 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX016020.D

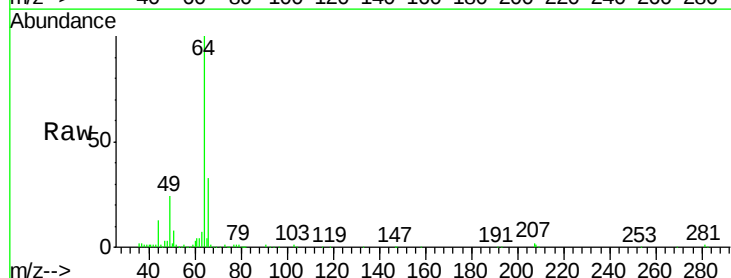
Acq: 01 May 2020 18:33

Tgt Ion: 64 Resp: 39521

Ion Ratio Lower Upper

64 100

66 32.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

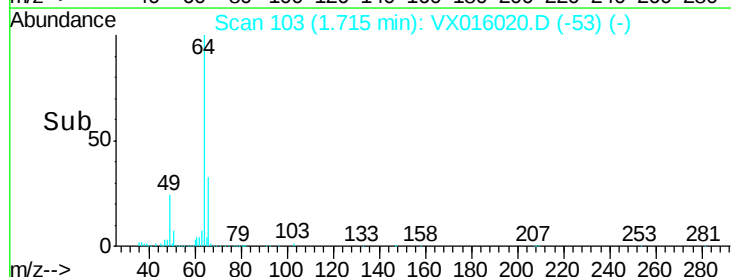
30000

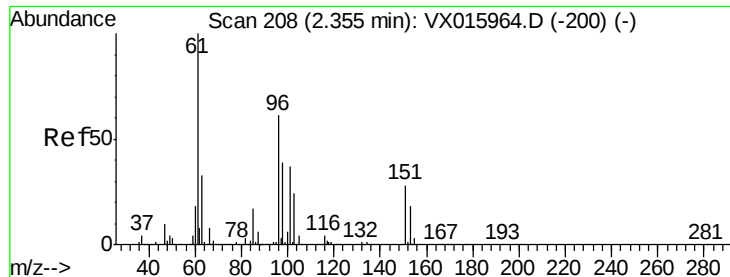
20000

10000

0

Time-->





#12

1,1-Dichloroethene

Concen: 5.197 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ190I-20200429

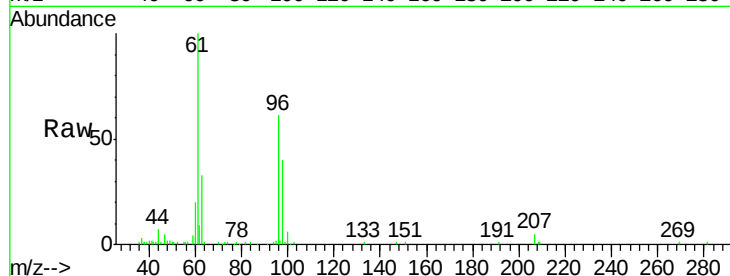
Tot Ion: 96 Resp: 13532

Ion Ratio Lower Upper

96 100

61 165.1 131.0 196.4

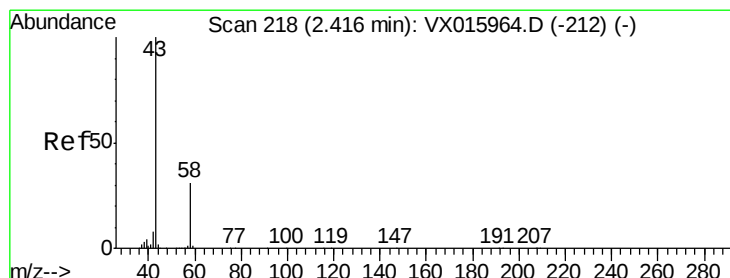
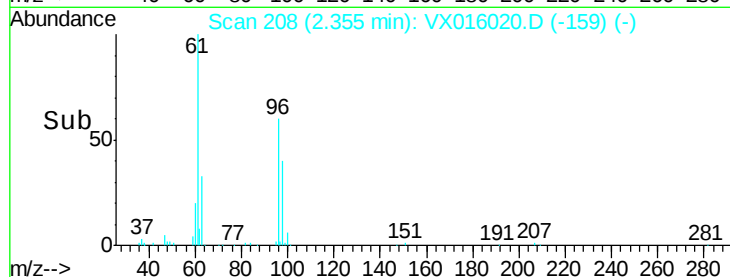
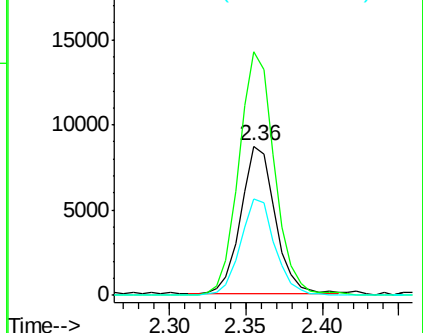
98 65.8 50.7 76.1



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



#16

Acetone

Concen: 1.620 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016020.D

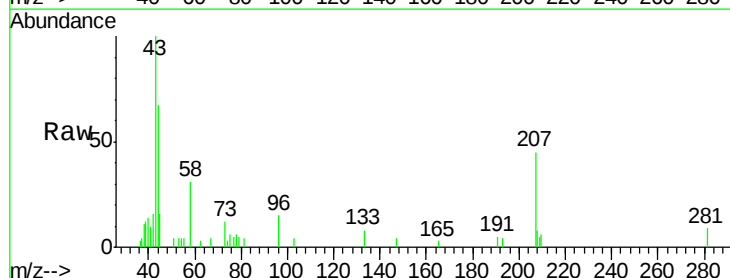
Acq: 01 May 2020 18:33

Tgt Ion: 43 Resp: 2464

Ion Ratio Lower Upper

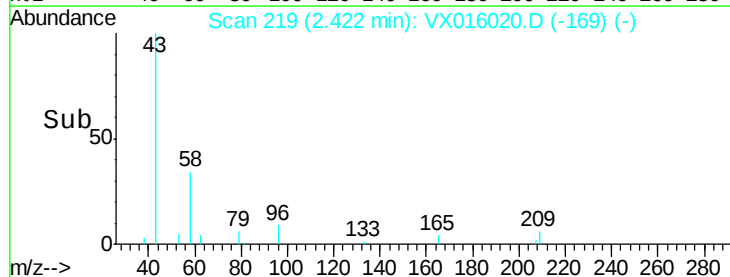
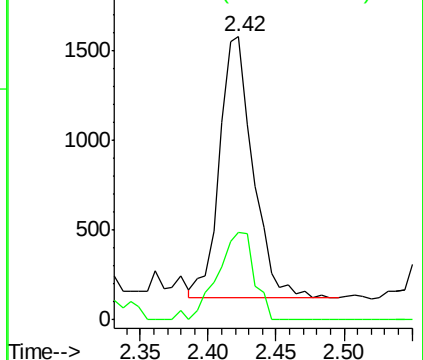
43 100

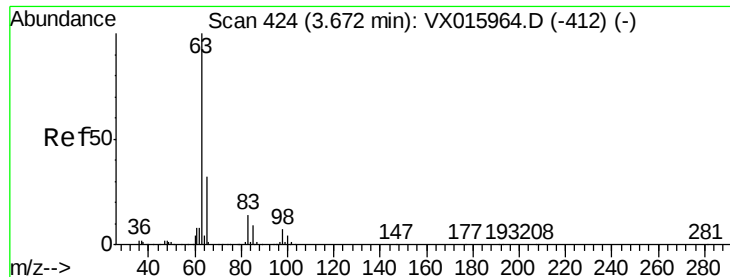
58 33.8 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#24

1,1-Dichloroethane

Concen: 103.166 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

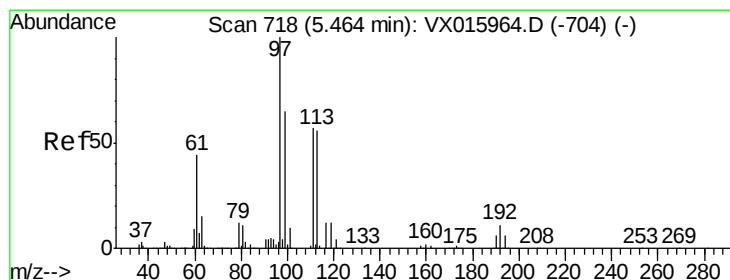
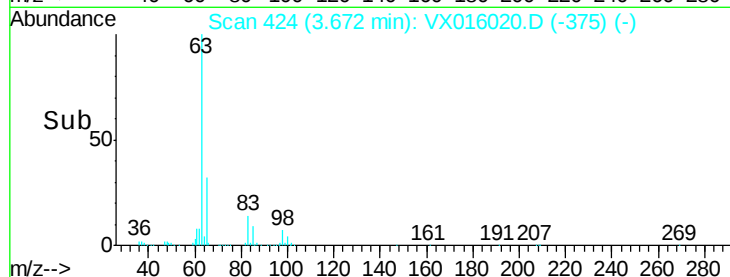
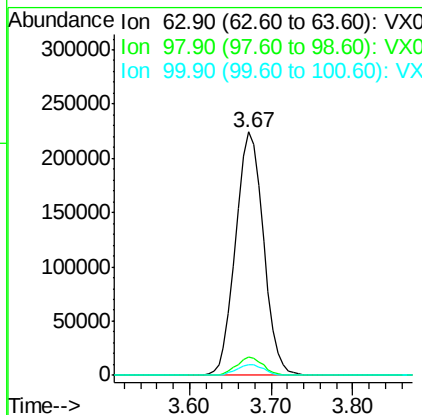
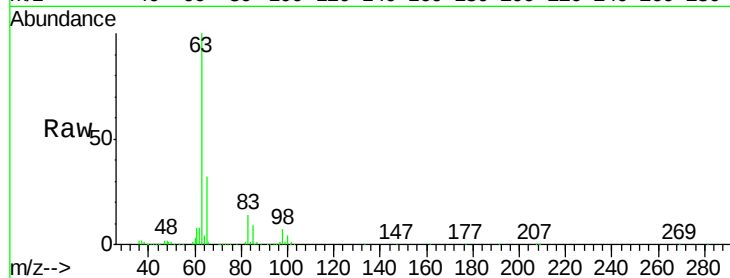
Instrument :

MSVOA_X

ClientSampleId :

SA-PZ190I-20200429

Tot Ion:	63	Resp:	530437
Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.8
100	4.4	2.2	6.6



#32

1,1,1-Trichloroethane

Concen: 2.219 ug/l

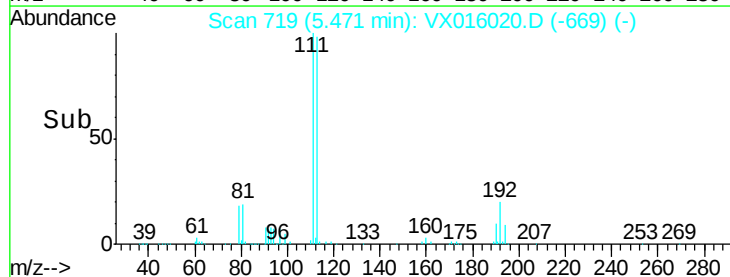
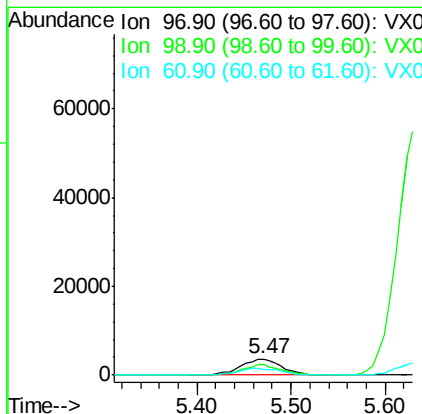
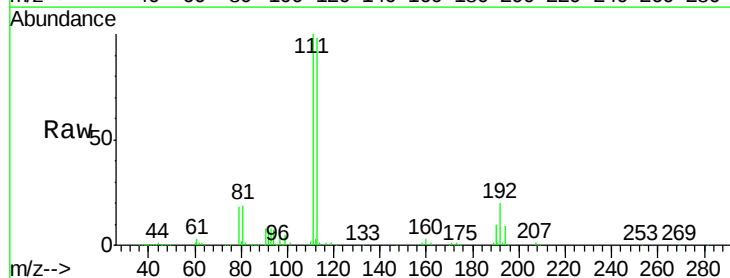
RT: 5.47 min Scan# 719

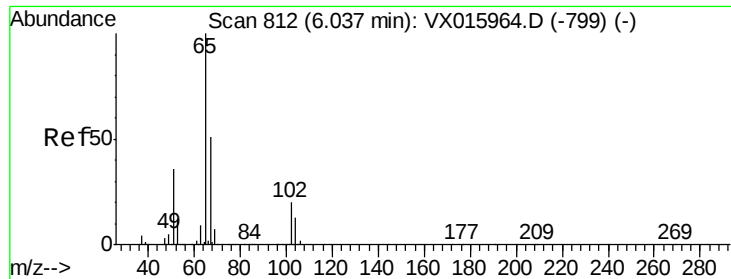
Delta R.T. 0.01 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

Tgt Ion:	97	Resp:	10923
Ion	Ratio	Lower	Upper
97	100		
99	61.3	51.4	77.0
61	44.0	35.7	53.5

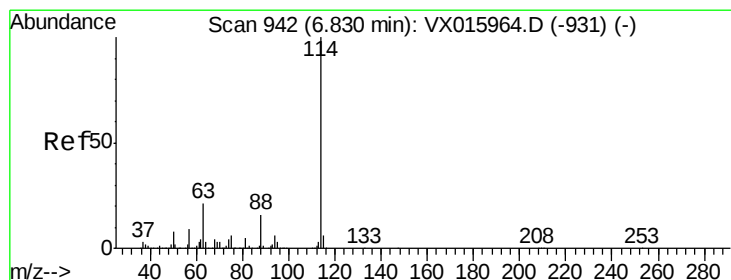
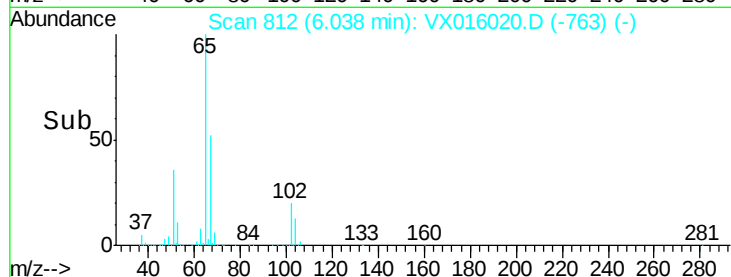
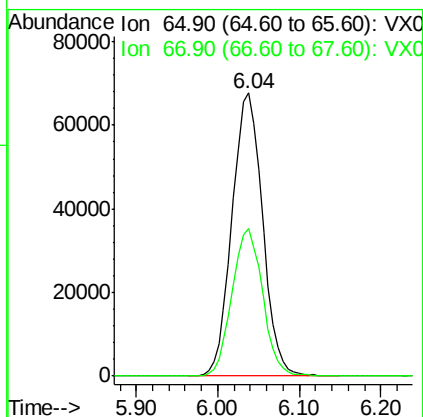
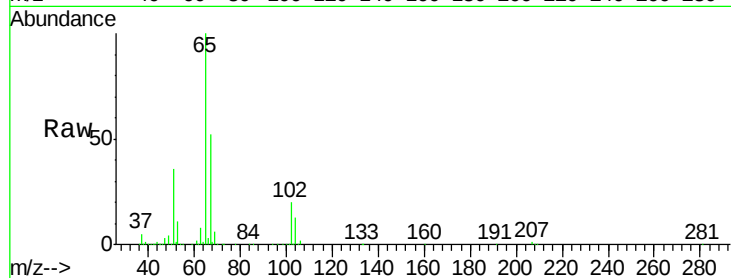




#33
 1,2-Dichloroethane-d4
 Concen: 49.477 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: VX016020.D
 Acq: 01 May 2020 18:33

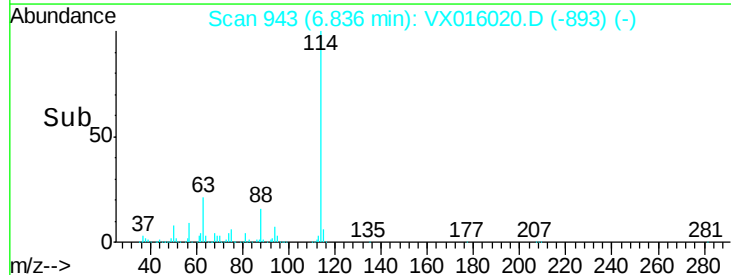
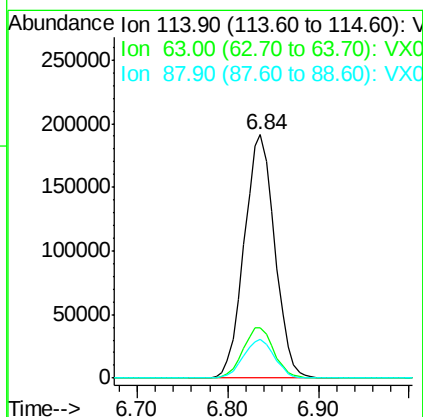
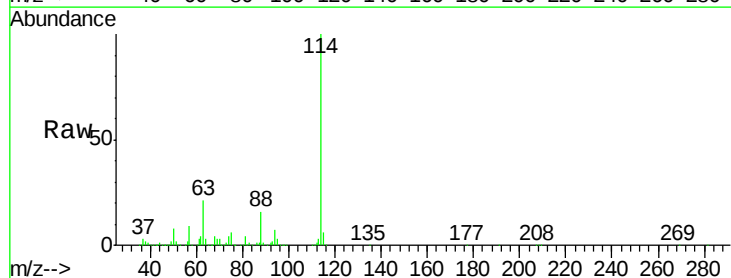
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ190I-20200429

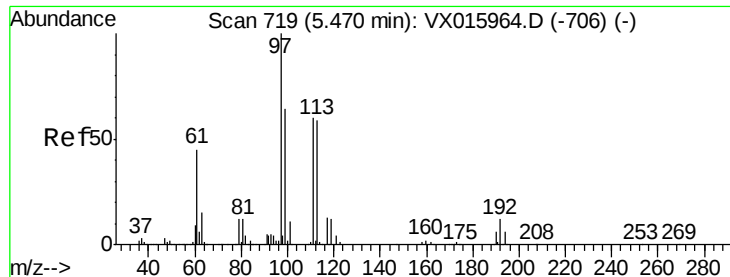
Tot Ion: 65 Resp: 176033
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016020.D
 Acq: 01 May 2020 18:33

Tgt Ion: 114 Resp: 446193
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.2
 88 16.0 0.0 31.8

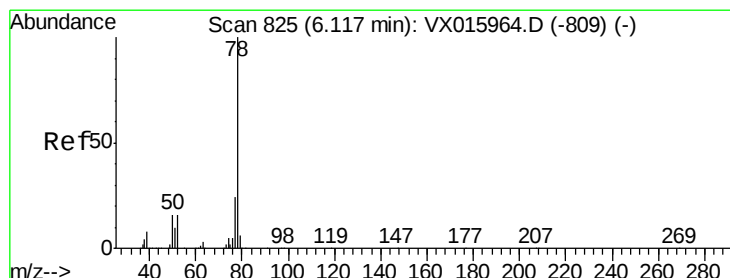
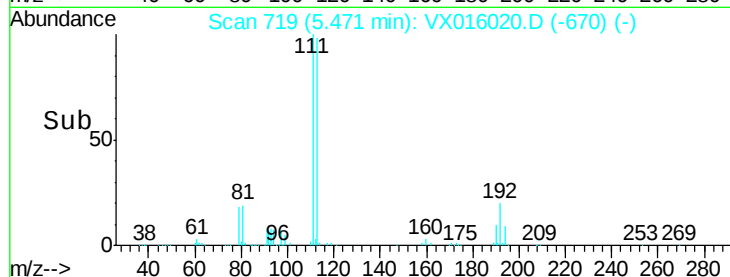
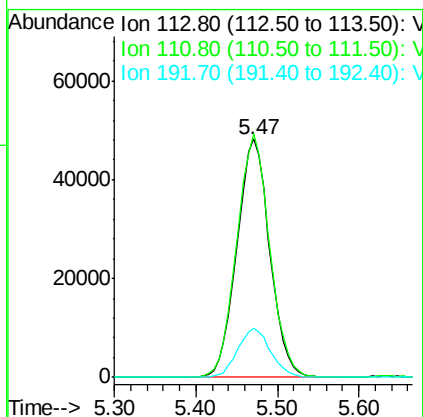
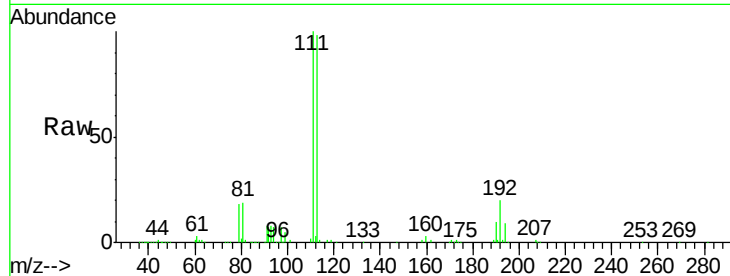




#35
 Dibromofluoromethane
 Concen: 48.395 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX016020.D
 Acq: 01 May 2020 18:33

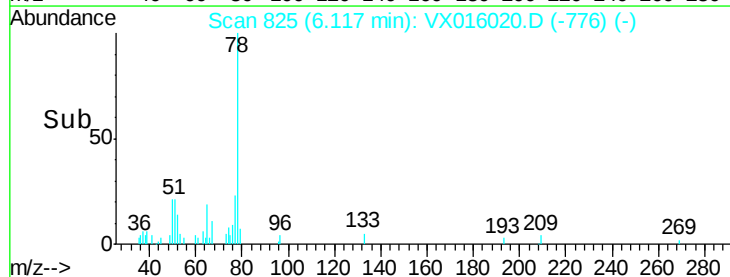
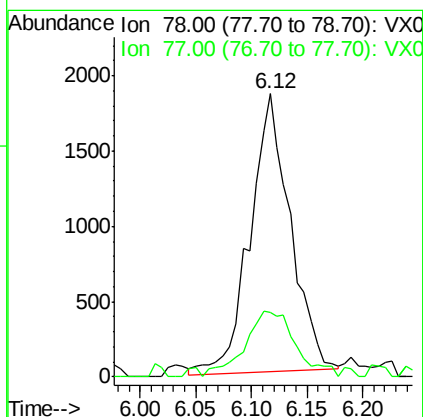
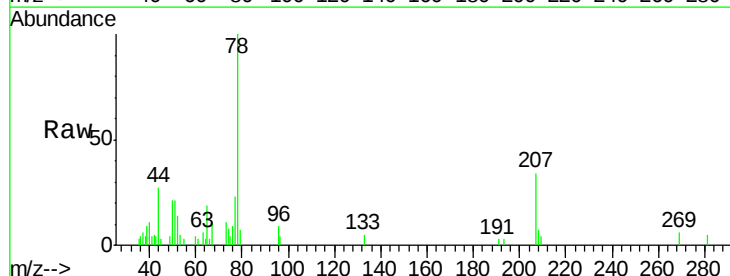
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ190I-20200429

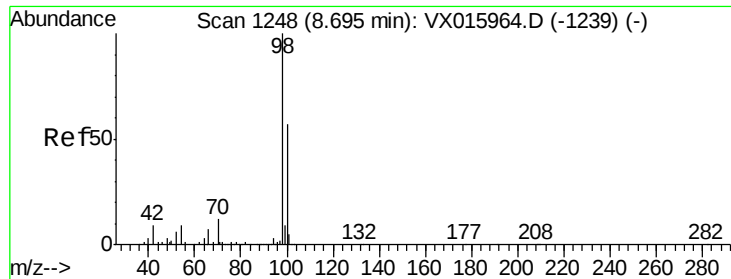
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	20.6	16.8	25.2



#40
 Benzene
 Concen: 0.383 ug/l
 RT: 6.12 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: VX016020.D
 Acq: 01 May 2020 18:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





#50

Toluene-d8

Concen: 52.193 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

Instrument :

MSVOA_X

ClientSampleId :

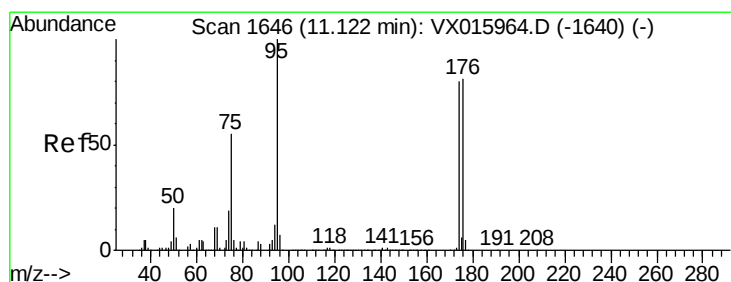
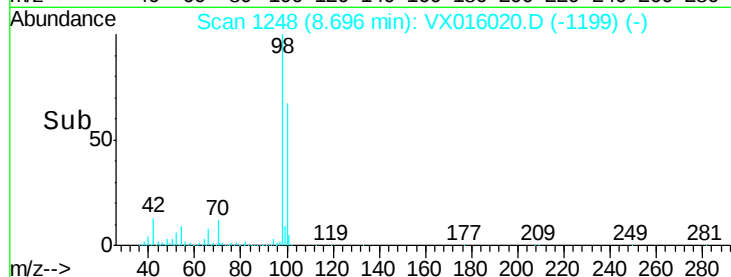
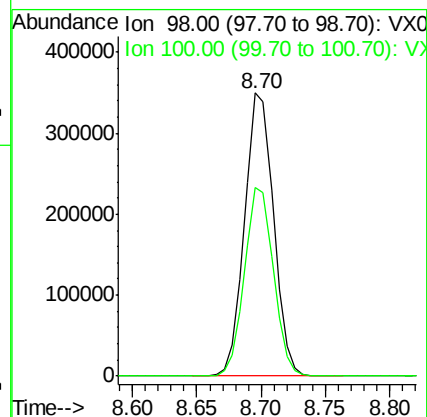
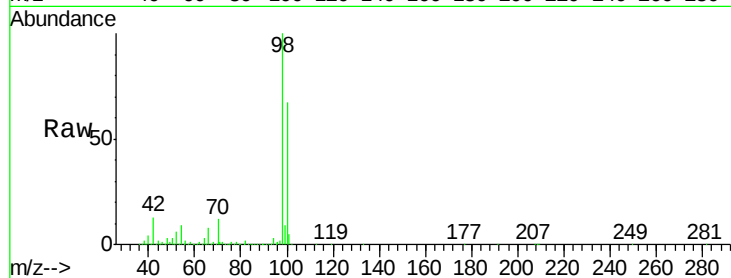
SA-PZ190I-20200429

Tot Ion: 98 Resp: 543158

Ion Ratio Lower Upper

98 100

100 66.8 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 54.120 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

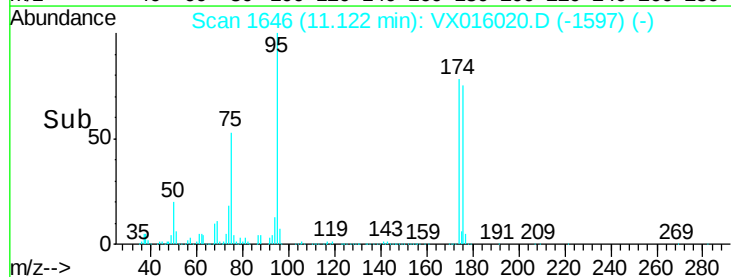
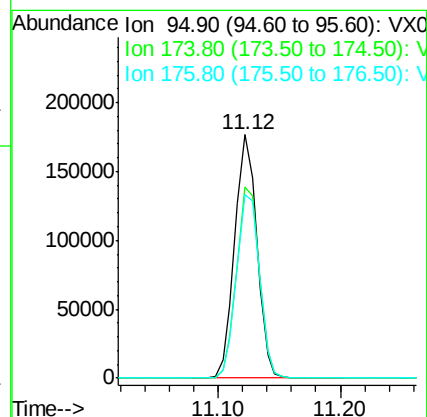
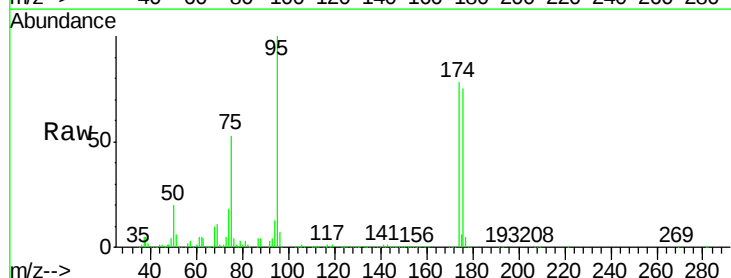
Tgt Ion: 95 Resp: 220900

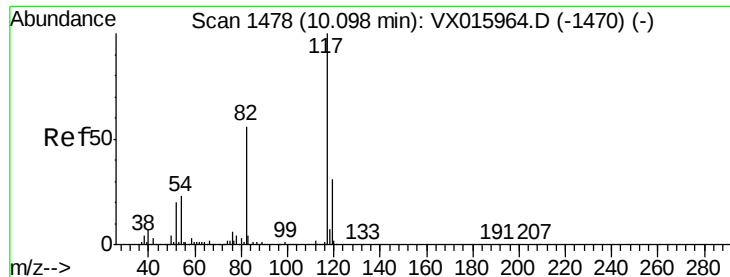
Ion Ratio Lower Upper

95 100

174 80.5 0.0 165.0

176 78.1 0.0 163.2

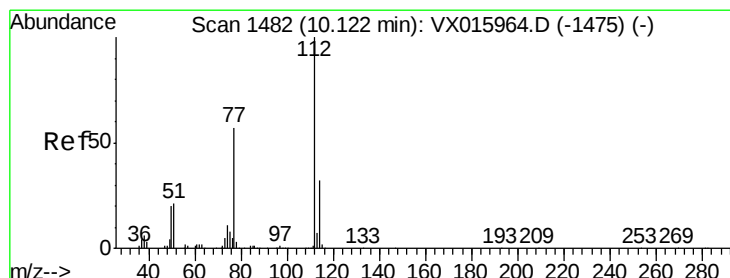
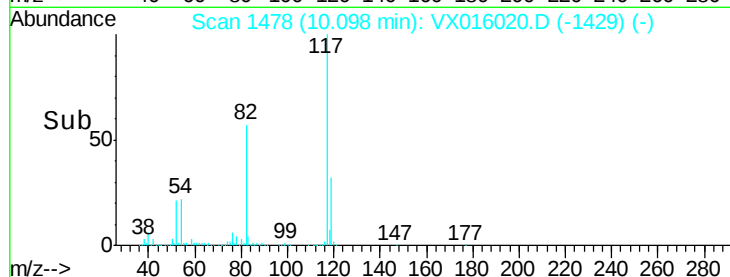
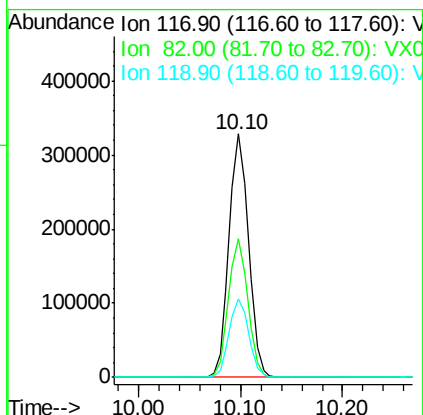
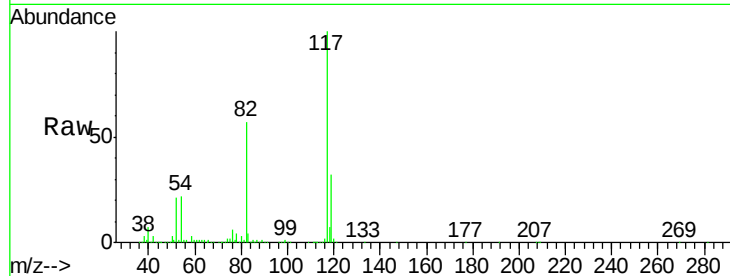




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016020.D
Acq: 01 May 2020 18:33

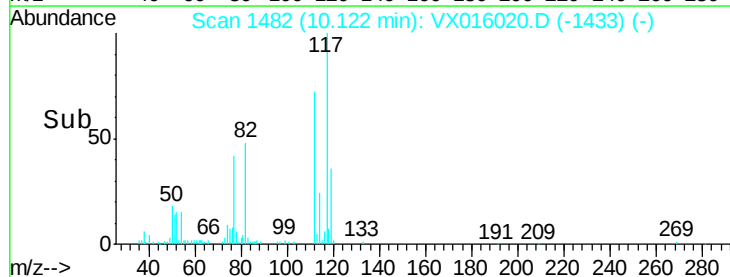
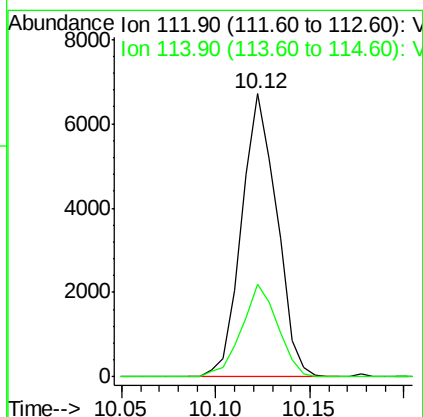
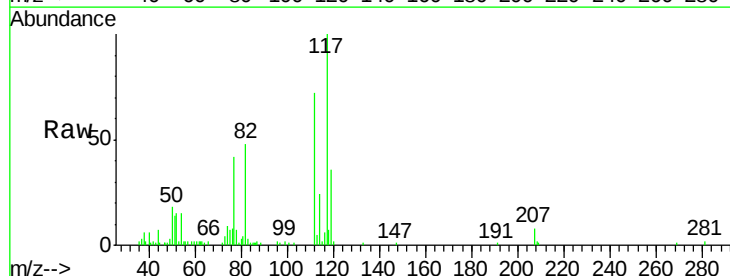
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ190I-20200429

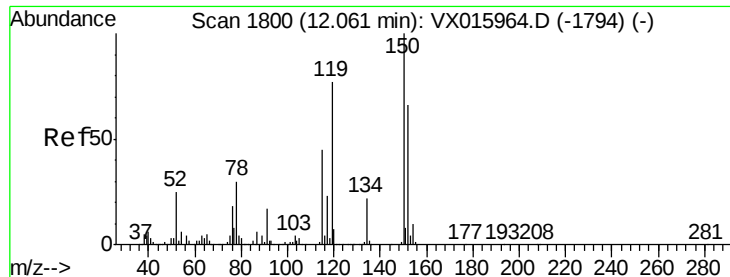
Tot Ion:117 Resp: 434452
Ion Ratio Lower Upper
117 100
82 57.1 44.5 66.7
119 32.4 25.0 37.6



#65
Chlorobenzene
Concen: 0.982 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX016020.D
Acq: 01 May 2020 18:33

Tgt Ion:112 Resp: 8689
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ190I-20200429

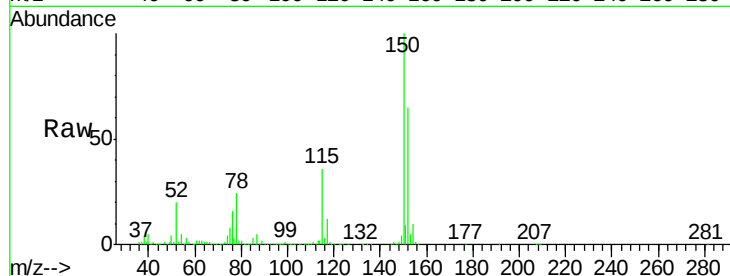
Tot Ion:152 Resp: 226555

Ion Ratio Lower Upper

152 100

115 59.1 40.9 122.7

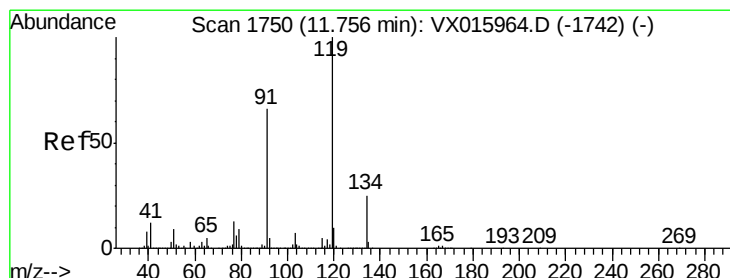
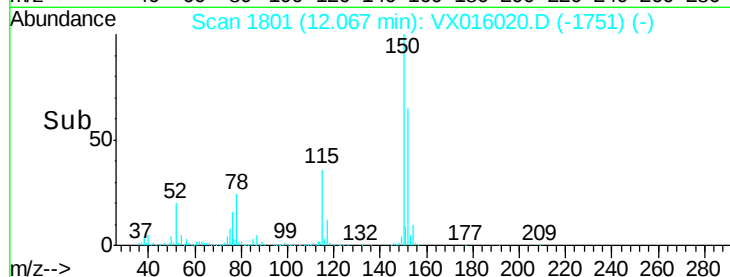
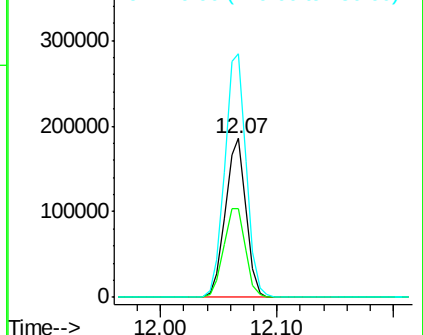
150 159.5 0.0 342.4



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



#83

tert-Butylbenzene

Concen: 0.538 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

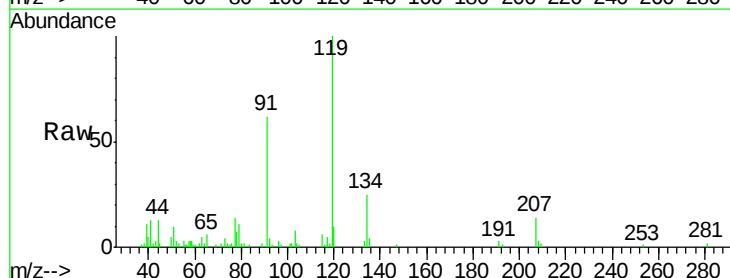
Tgt Ion:119 Resp: 6028

Ion Ratio Lower Upper

119 100

91 63.9 33.5 100.4

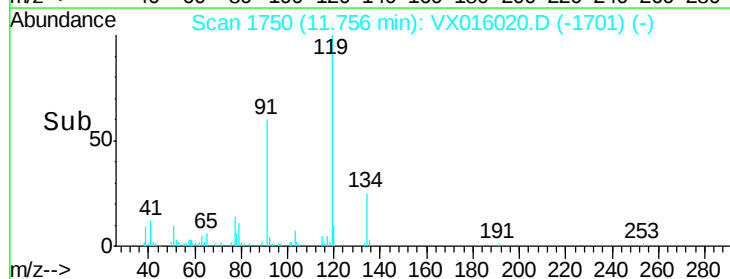
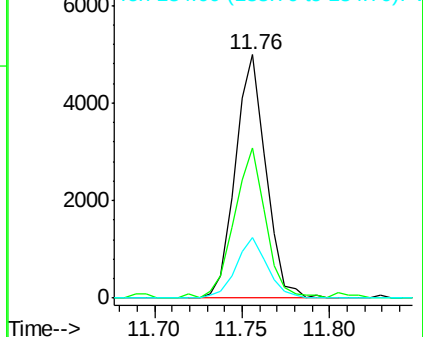
134 25.5 12.4 37.2

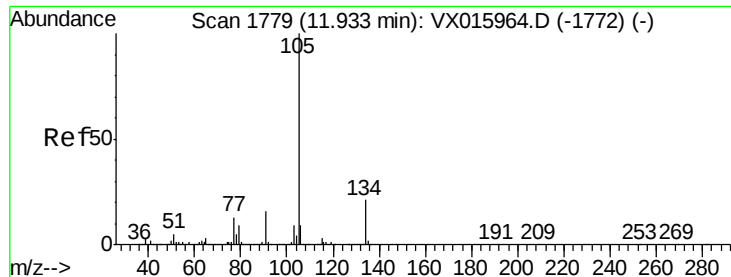


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V





#85

sec-Butylbenzene

Concen: 1.365 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

Instrument :

MSVOA_X

ClientSampleId :

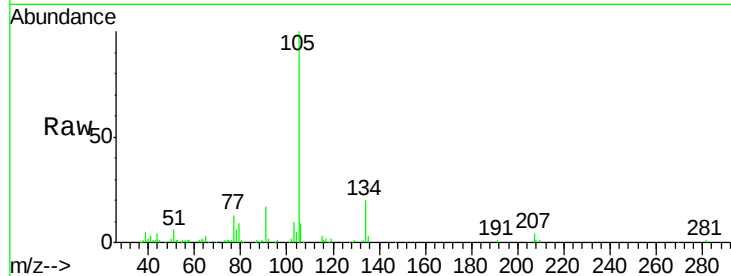
SA-PZ190I-20200429

Tot Ion:105 Resp: 20582

Ion Ratio Lower Upper

105 100

134 27.7 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

20000

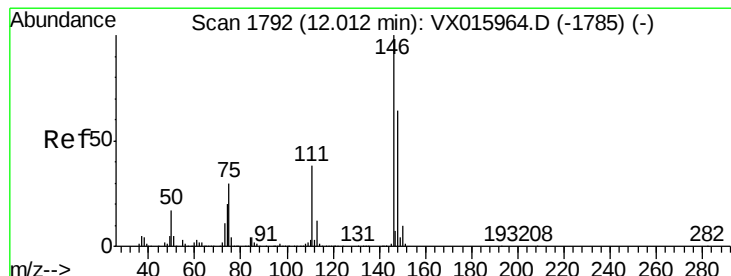
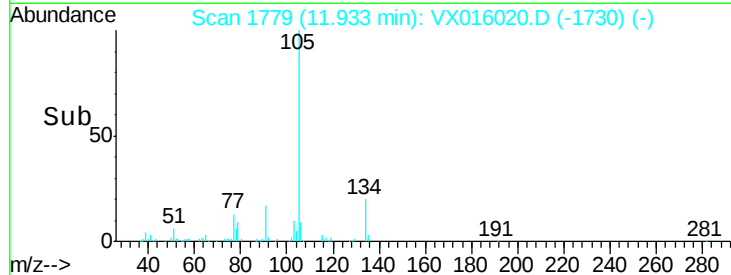
15000

10000

5000

0

Time--> 11.85 11.90 11.95 12.00



#87

1,3-Dichlorobenzene

Concen: 1.045 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

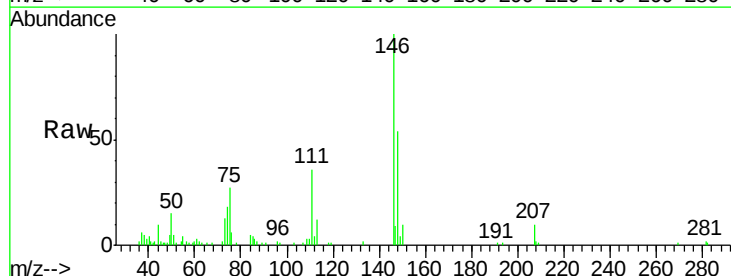
Tgt Ion:146 Resp: 7562

Ion Ratio Lower Upper

146 100

111 40.6 19.6 58.8

148 62.4 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

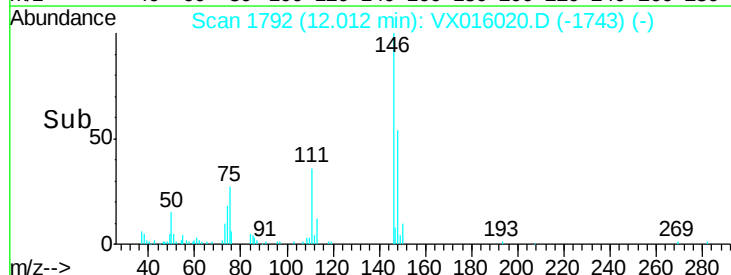
30000

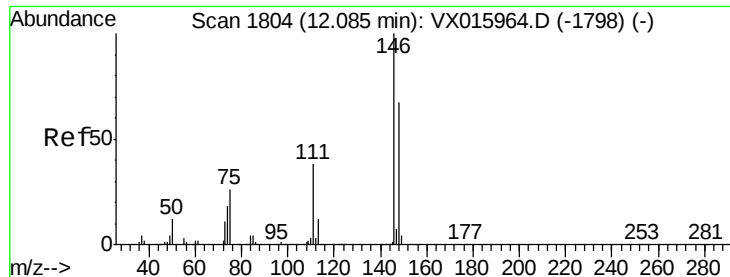
20000

10000

0

Time--> 11.95 12.00 12.05

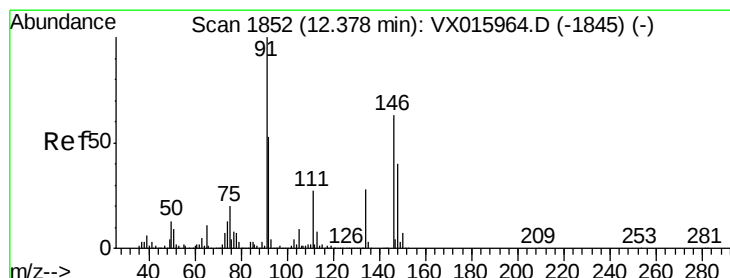
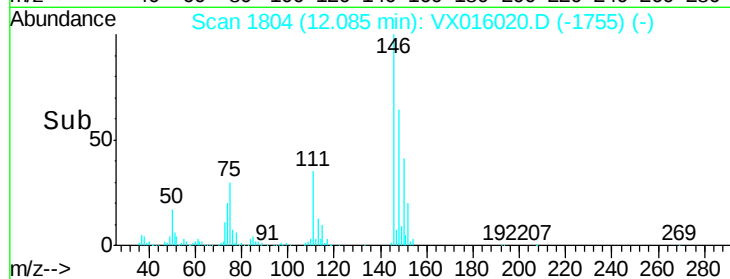
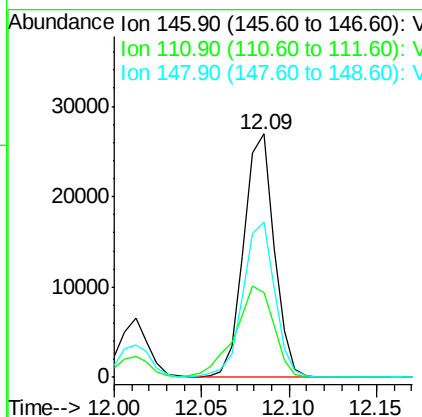
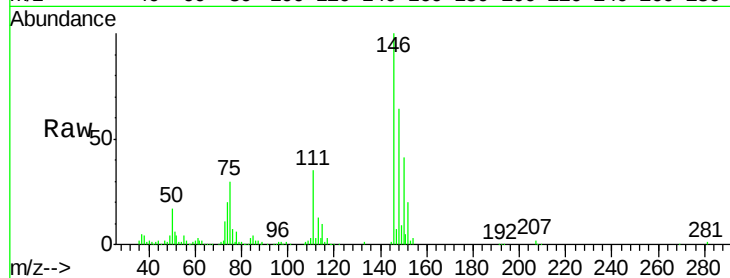




#88
 1,4-Dichlorobenzene
 Concen: 4.499 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX016020.D
 Acq: 01 May 2020 18:33

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ190I-20200429

Tot Ion:146 Resp: 32892
 Ion Ratio Lower Upper
 146 100
 111 47.6 19.7 59.0
 148 66.9 32.8 98.4



#91
 1,2-Dichlorobenzene
 Concen: 1.281 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016020.D
 Acq: 01 May 2020 18:33

Tgt Ion:146 Resp: 8861
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.1 63.3
 148 63.4 32.3 96.9

