

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO050120\
 Data File : VX016019.D
 Acq On : 01 May 2020 18:10
 Operator : JC/SP
 Sample : L2469-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 02 07:01:47 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	273523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	446613	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	428662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	228963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	177856	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	5.47	113	134855	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	8.70	98	550248	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
62) 4-Bromofluorobenzene	11.12	95	220549	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	

Target Compounds

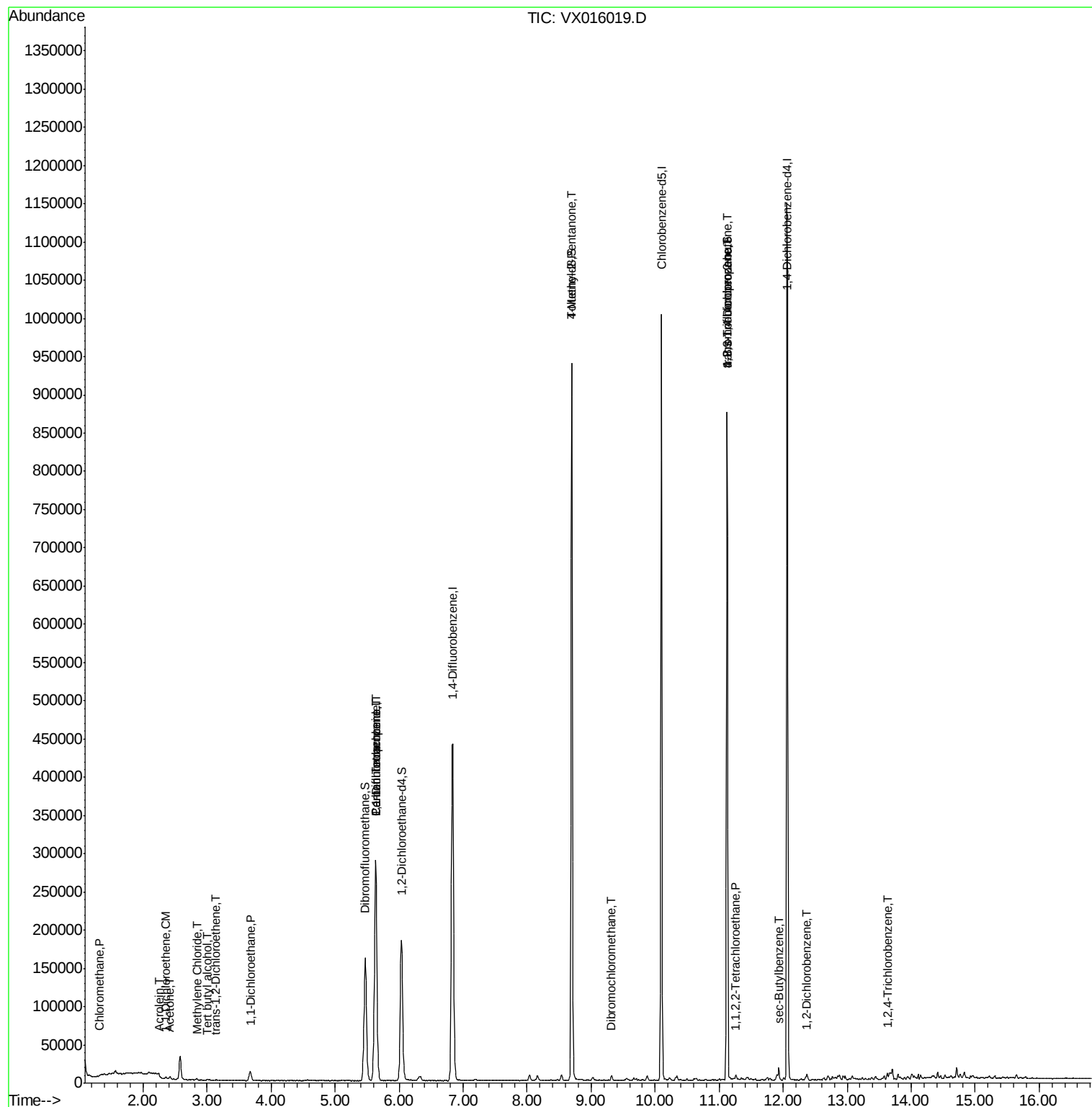
						Qvalue
3) Chloromethane	1.31	50	913	0.308	ug/l #	87
11) Tert butyl alcohol	3.01	59	992	1.143	ug/l #	90
12) 1,1-Dichloroethene	2.36	96	669	0.256	ug/l #	71
13) Acrolein	2.26	56	346	1.586	ug/l #	14
16) Acetone	2.42	43	3061	2.002	ug/l	94
20) Methylene Chloride	2.84	84	647	0.214	ug/l	90
21) trans-1,2-Dichloroethene	3.14	96	593	0.201	ug/l #	30
24) 1,1-Dichloroethane	3.67	63	14233	2.754	ug/l	100
36) 1,1-Dichloropropene	5.64	75	21342	5.017	ug/l #	50
38) Carbon Tetrachloride	5.63	117	26440	5.885	ug/l #	17
51) 4-Methyl-2-Pentanone	8.70	43	2672	0.545	ug/l #	1
60) Dibromochloromethane	9.32	129	834	0.242	ug/l #	10
75) 1,1,2,2-Tetrachloroethane	11.26	83	357	3.792	ug/l #	42
76) 1,2,3-Trichloropropane	11.12	75	115674	24.076	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	115674	56.897	ug/l #	10
85) sec-Butylbenzene	11.93	105	7491	0.491	ug/l #	78
91) 1,2-Dichlorobenzene	12.38	146	1545	0.221	ug/l	96
93) 1,2,4-Trichlorobenzene	13.63	180	1486	0.283	ug/l #	67

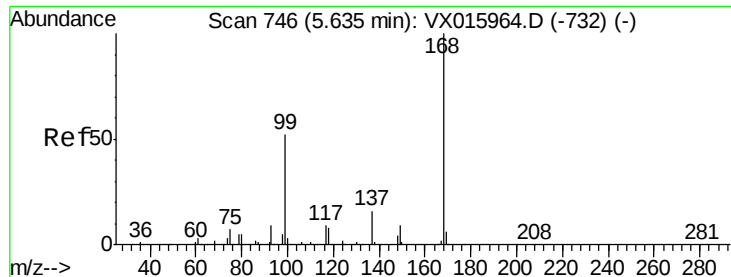
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050120\
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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: VX016019.D

Acq: 01 May 2020 18:10

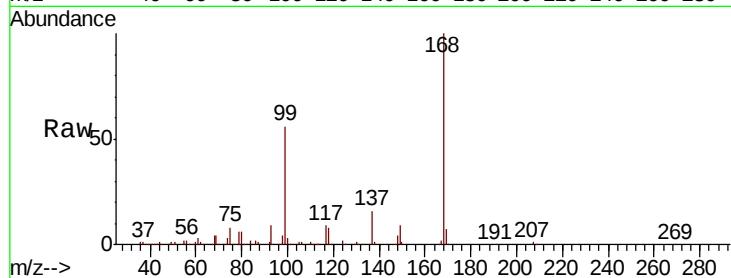
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 273523

Ion Ratio Lower Upper

168 100

99 56.0 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

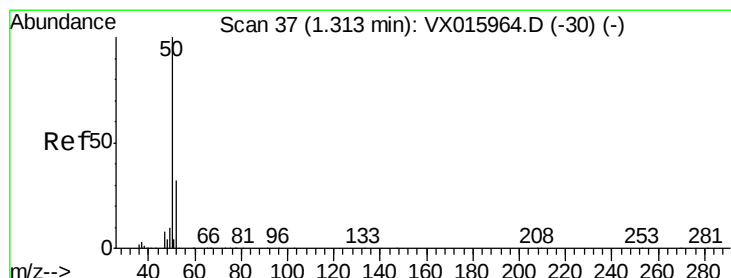
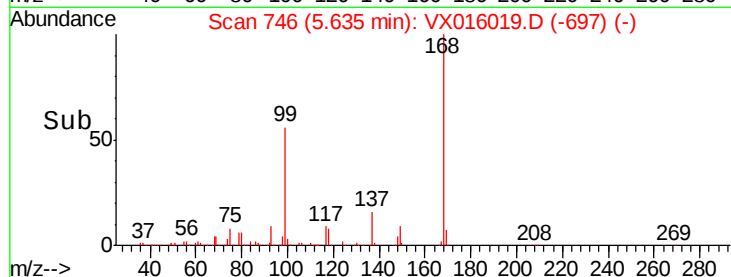
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.308 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016019.D

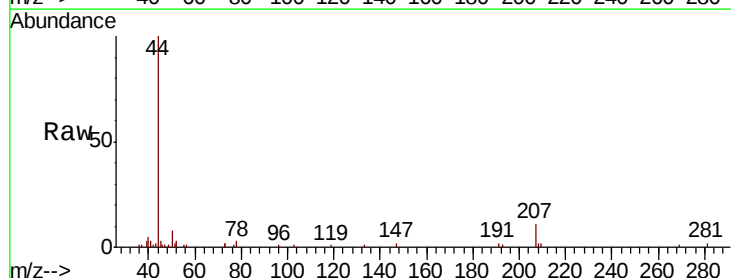
Acq: 01 May 2020 18:10

Tgt Ion: 50 Resp: 913

Ion Ratio Lower Upper

50 100

52 39.0 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

500

400

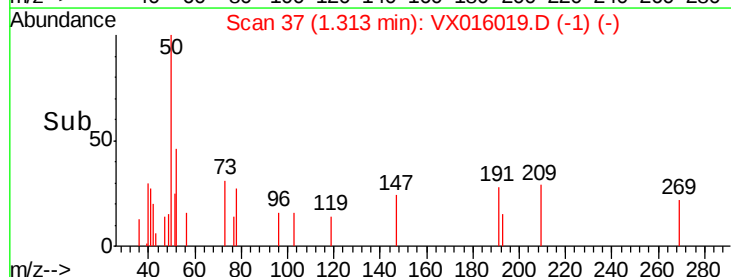
300

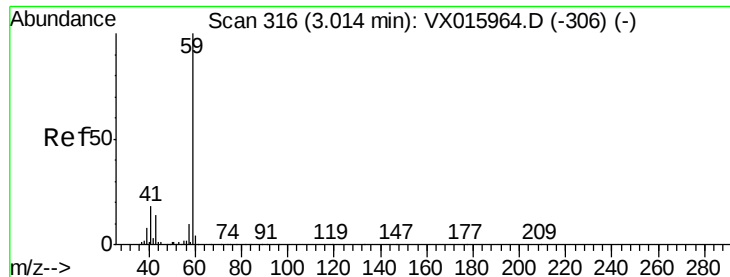
200

100

0

Time-->



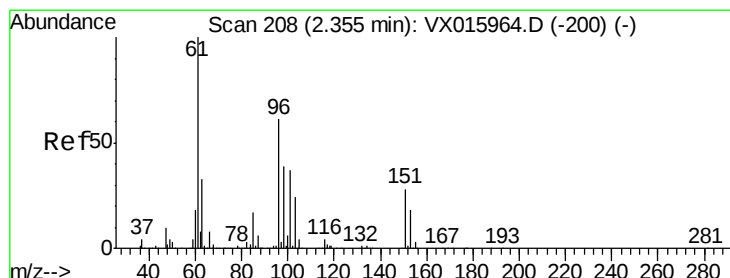
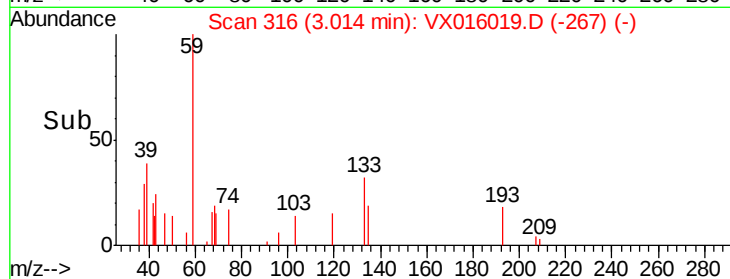
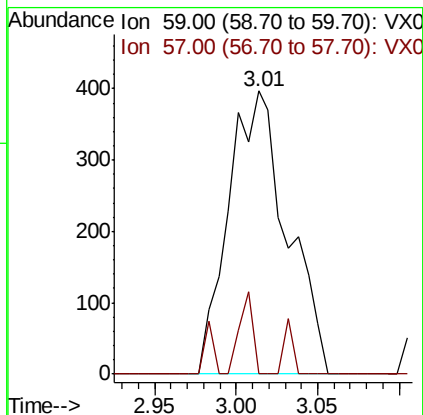
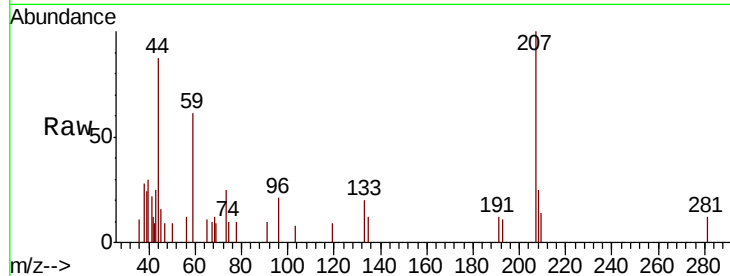


#11

Tert butyl alcohol
Concen: 1.143 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX016019.D
Acq: 01 May 2020 18:10

Instrument :
MSVOA_X
ClientSampleId :

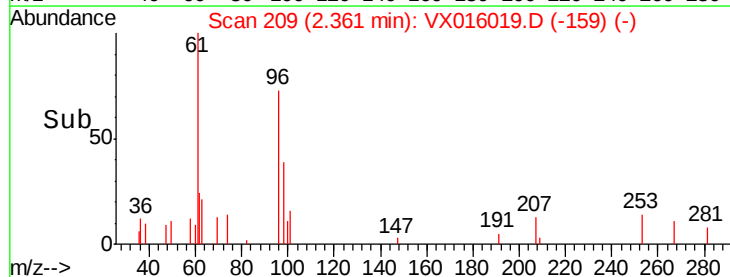
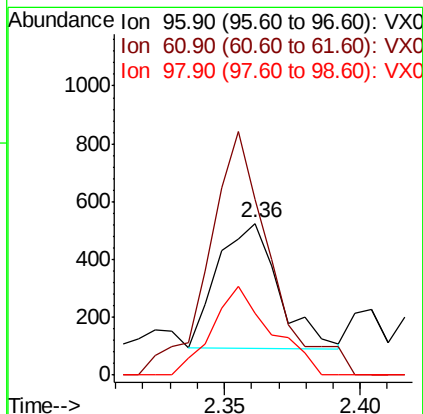
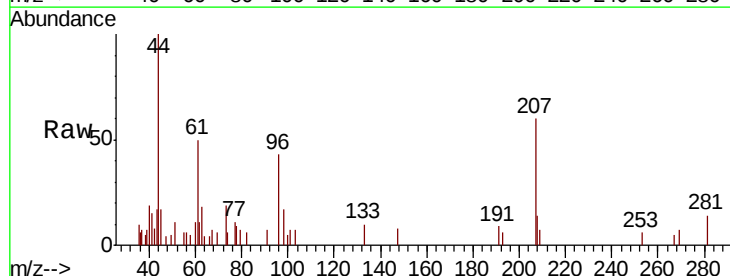
Tot Ion: 59 Resp: 992
Ion Ratio Lower Upper
59 100
57 6.6 8.3 12.5#

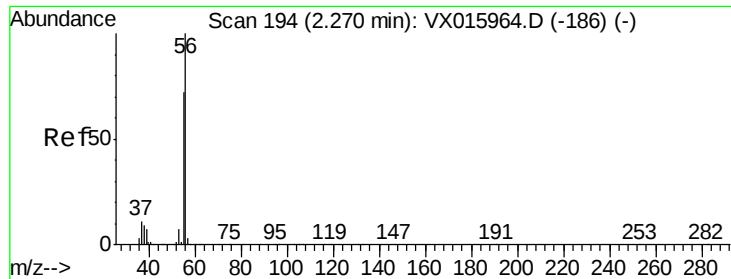


#12

1,1-Dichloroethene
Concen: 0.256 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX016019.D
Acq: 01 May 2020 18:10

Tgt Ion: 96 Resp: 669
Ion Ratio Lower Upper
96 100
61 118.3 131.0 196.4#
98 49.4 50.7 76.1#





#13

Acrolein

Concen: 1.586 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016019.D

Acq: 01 May 2020 18:10

Instrument :

MSVOA_X

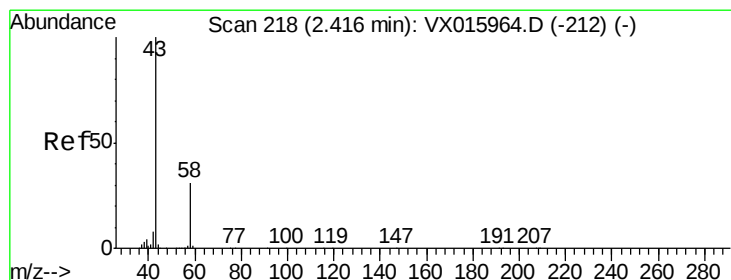
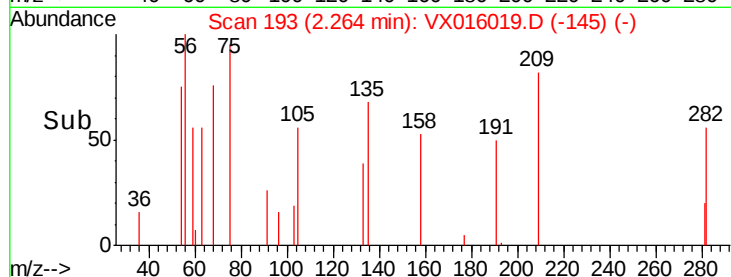
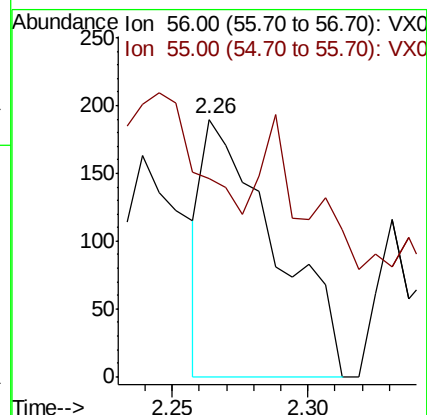
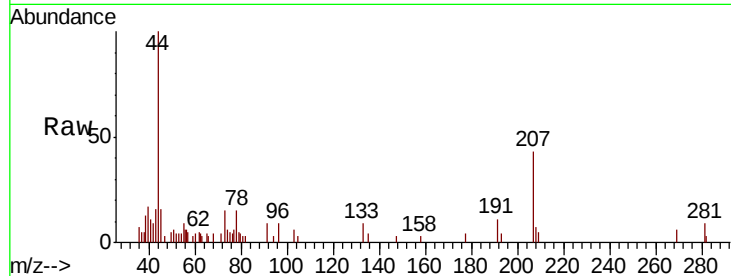
ClientSampleId :

Tot Ion: 56 Resp: 346

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 2.002 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016019.D

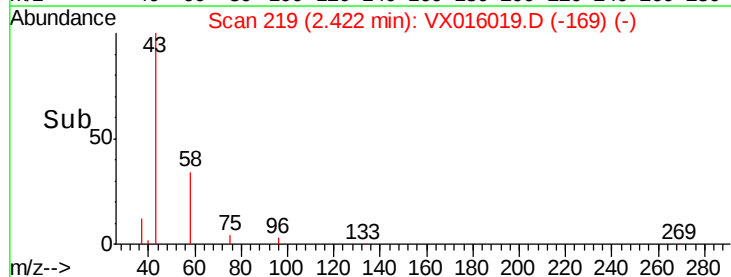
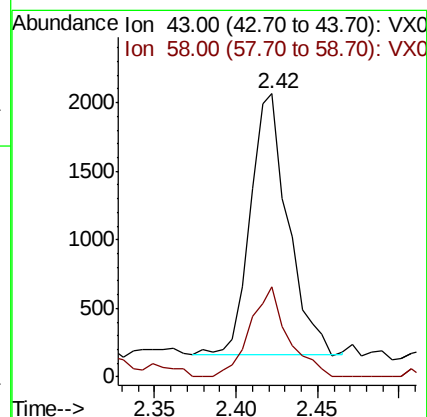
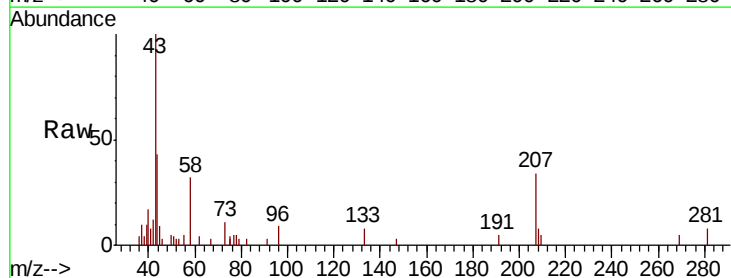
Acq: 01 May 2020 18:10

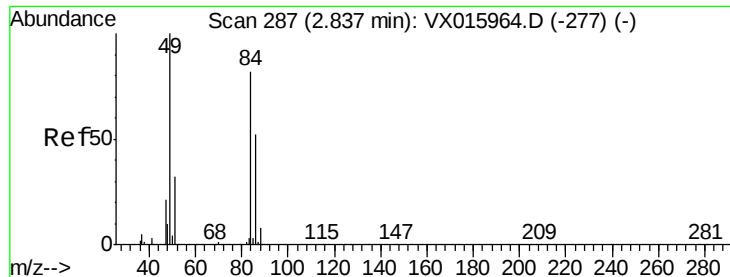
Tgt Ion: 43 Resp: 3061

Ion Ratio Lower Upper

43 100

58 34.5 25.1 37.7

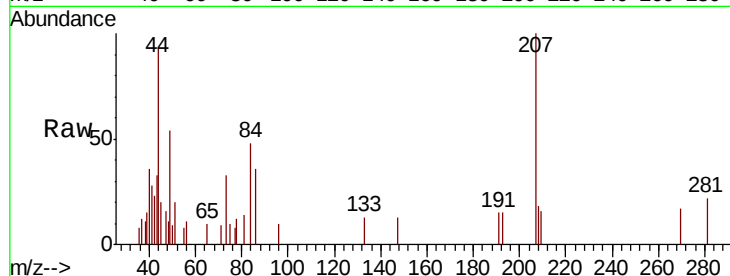




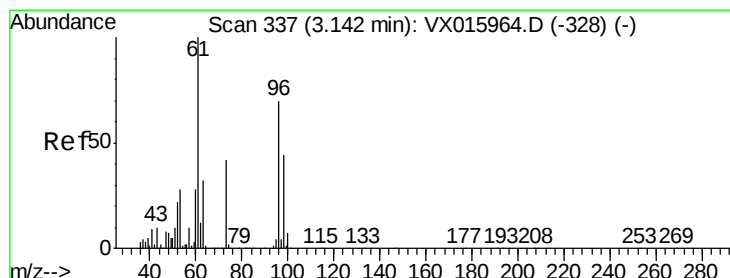
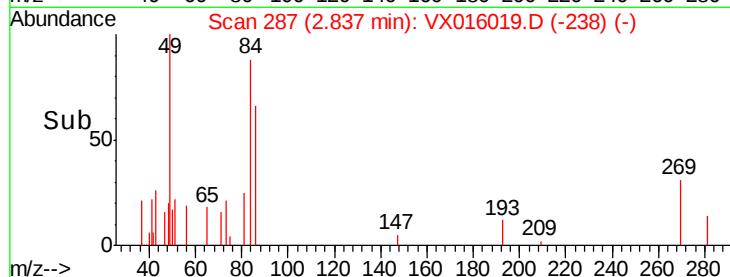
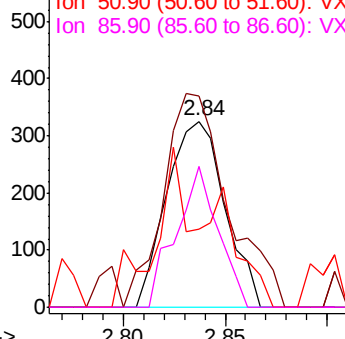
#20
Methvlene Chloride
Concen: 0.214 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX016019.D
Acq: 01 May 2020 18:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	84	Resp:	647
Ion	Ratio	Lower	Upper
84	100		
49	113.5	97.9	146.9
51	42.0	31.2	46.8
86	75.5	50.7	76.1

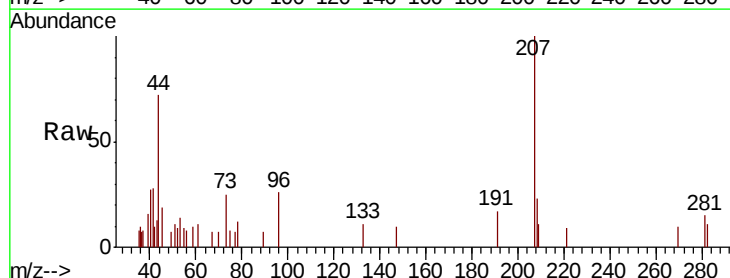


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

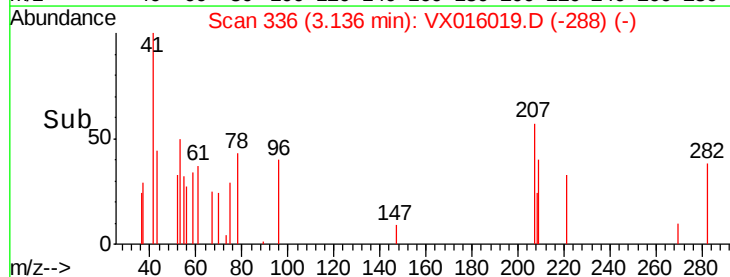
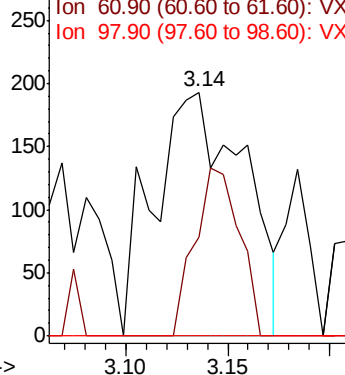


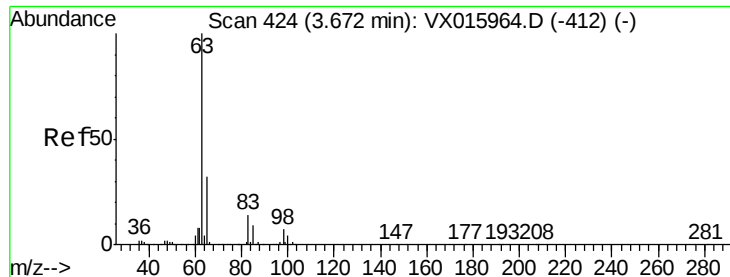
#21
trans-1,2-Dichloroethene
Concen: 0.201 ug/l
RT: 3.14 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX016019.D
Acq: 01 May 2020 18:10

Tgt Ion:	96	Resp:	593
Ion	Ratio	Lower	Upper
96	100		
61	61.4	113.6	170.4#
98	0.0	50.3	75.5#



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: 2.754 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX016019.D

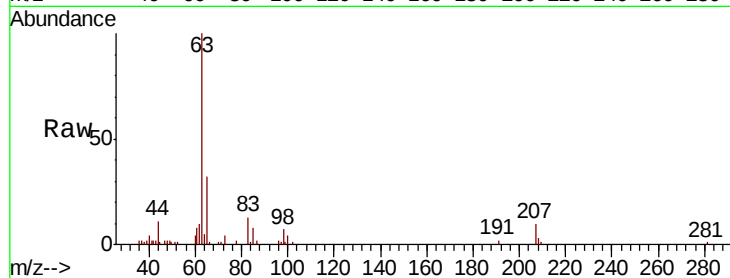
Acq: 01 May 2020 18:10

Instrument :

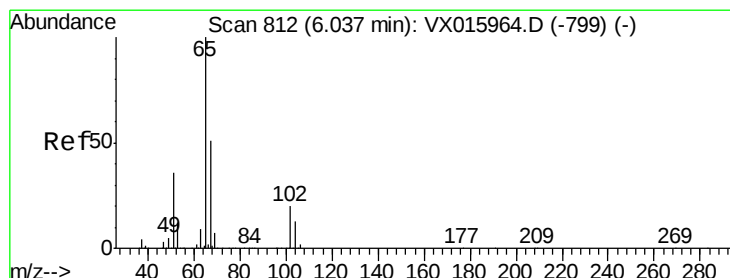
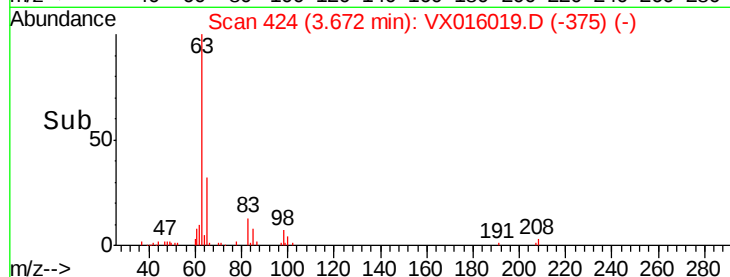
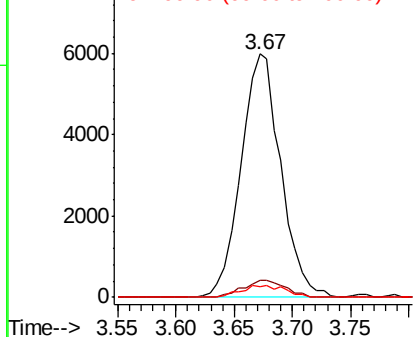
MSVOA_X

ClientSampleId :

Tot Ion:	63	Resp:	14233
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.6	10.8
100	4.3	2.2	6.6



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



#33

1,2-Dichloroethane-d4

Concen: 49.733 ug/l

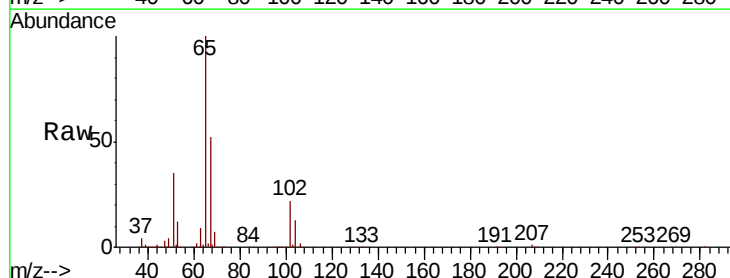
RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

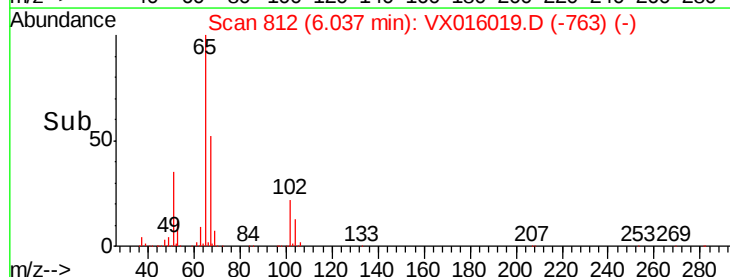
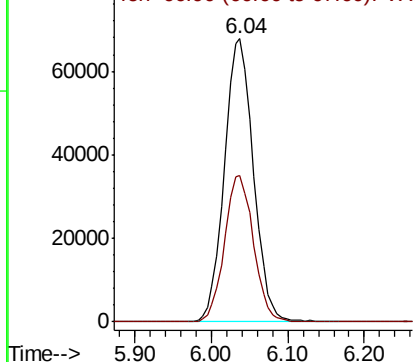
Lab File: VX016019.D

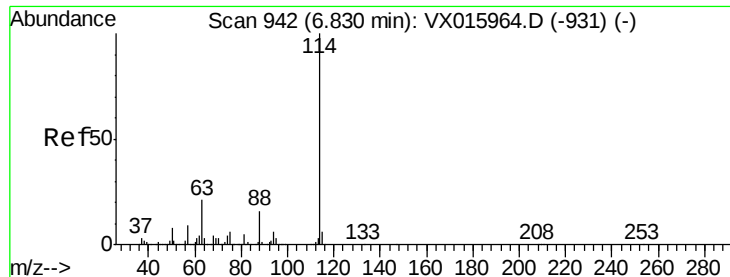
Acq: 01 May 2020 18:10

Tgt Ion:	65	Resp:	177856
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.4



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016019.D

Acq: 01 May 2020 18:10

Instrument :

MSVOA_X

ClientSampleId :

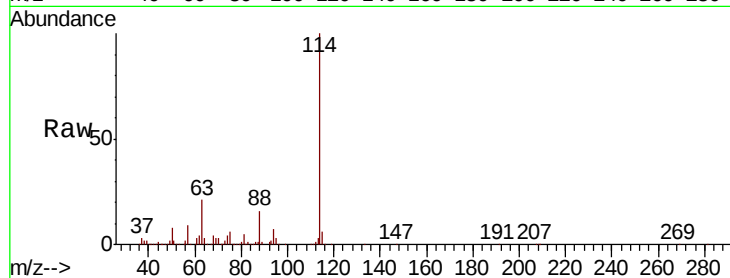
Tot Ion:114 Resp: 446613

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.2

88 16.5 0.0 31.8



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

250000

200000

150000

100000

50000

0

6.84

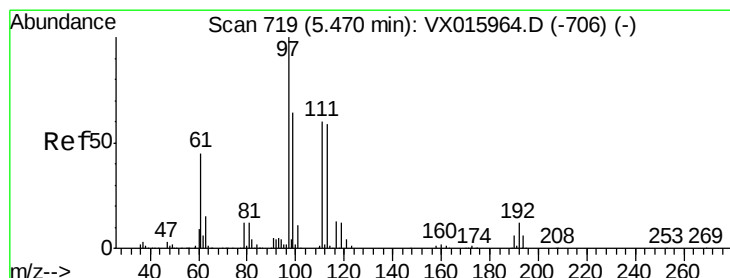
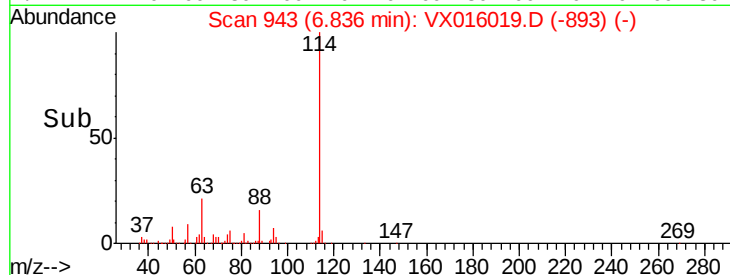
6.80

6.85

6.90

7.00

Time-->



#35

Dibromofluoromethane

Concen: 48.405 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX016019.D

Acq: 01 May 2020 18:10

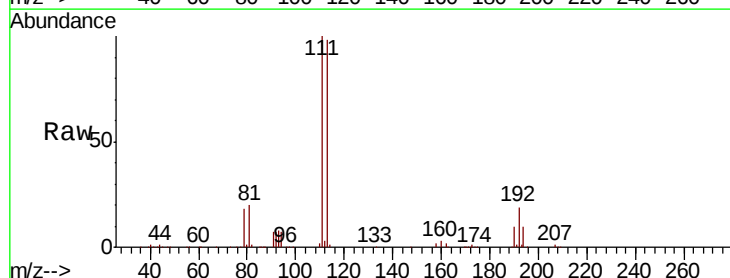
Tgt Ion:113 Resp: 134855

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

192 20.7 16.8 25.2



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

60000

40000

20000

0

5.47

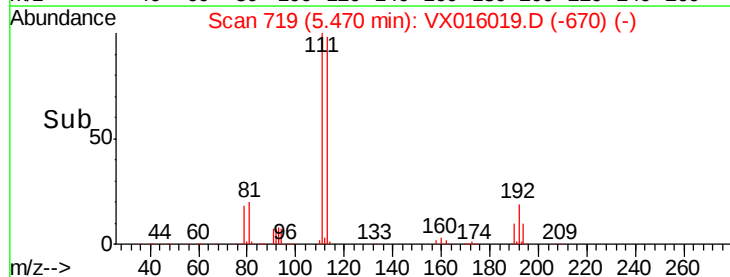
5.40

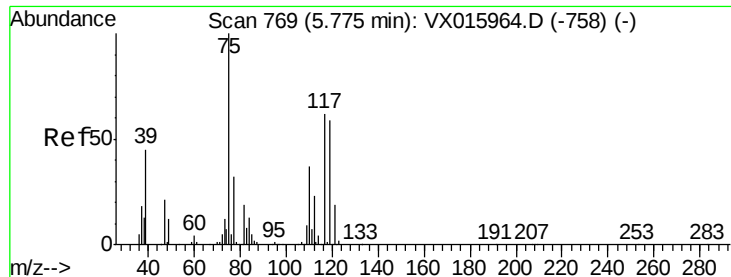
5.45

5.50

5.55

Time-->

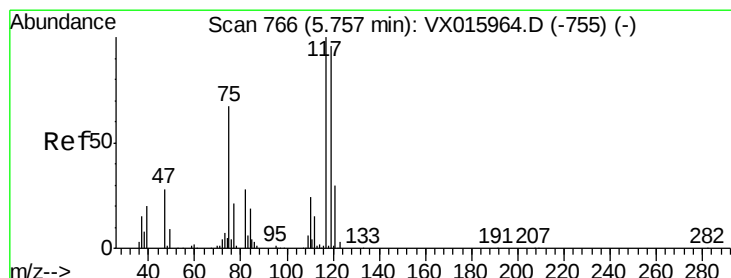
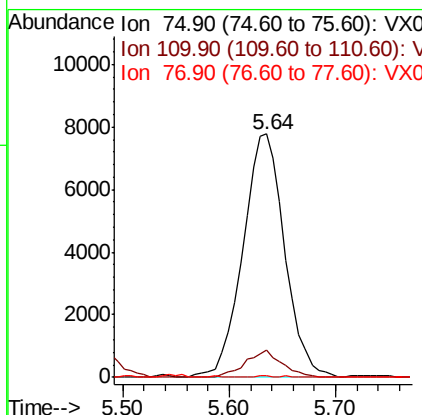
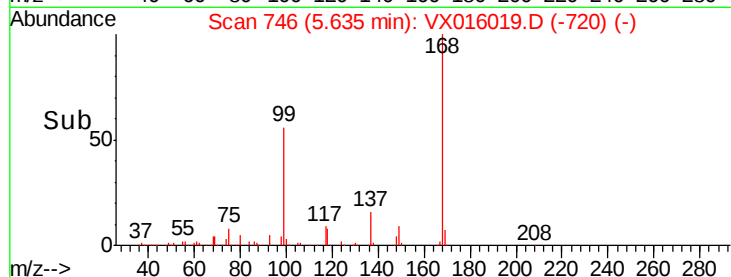
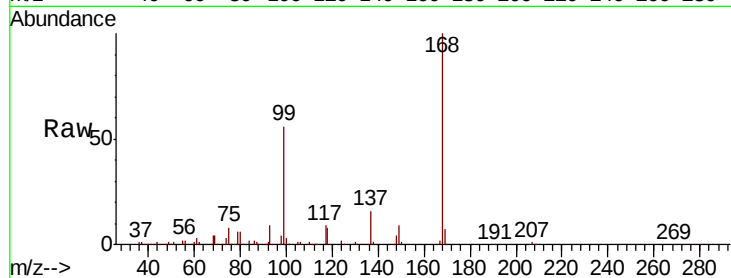




#36
 1,1-Dichloropropene
 Concen: 5.017 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.14 min
 Lab File: VX016019.D
 Acq: 01 May 2020 18:10

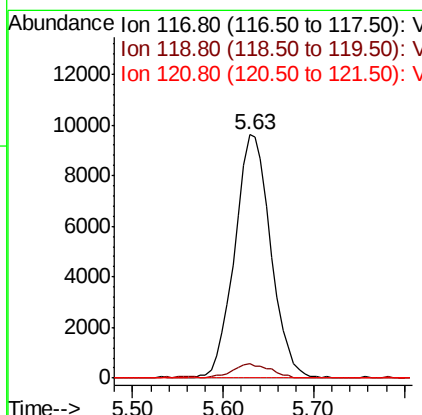
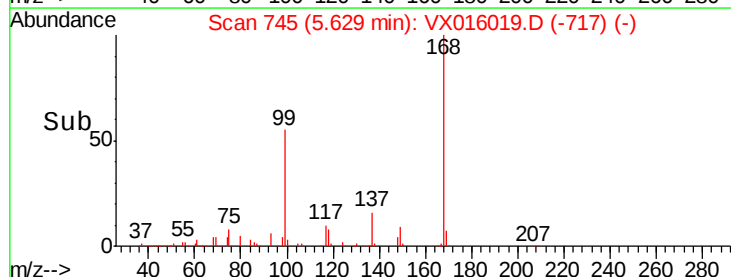
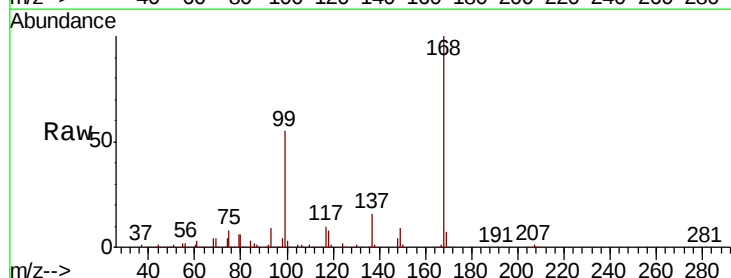
Instrument :
 MSVOA_X
 ClientSampled :

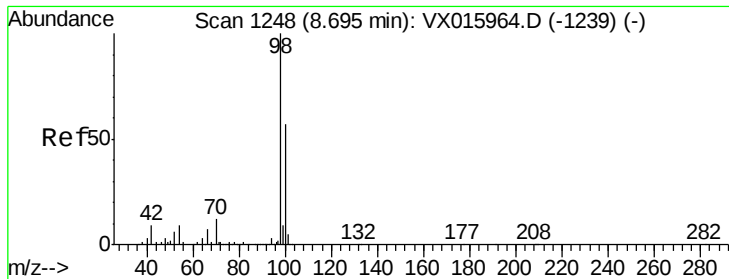
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.9	53.7#
77	0.2	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.885 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016019.D
 Acq: 01 May 2020 18:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.2	114.4#
121	0.0	24.2	36.4#





#50

Toluene-d8

Concen: 52.825 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016019.D

Acq: 01 May 2020 18:10

Instrument :

MSVOA_X

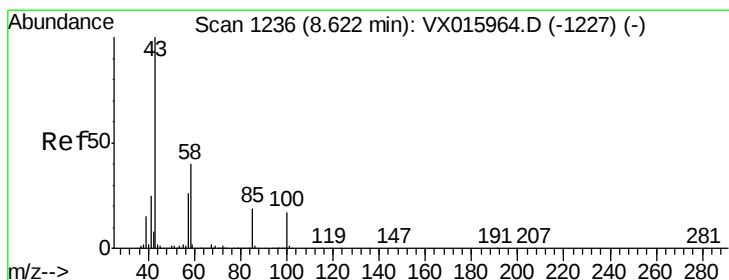
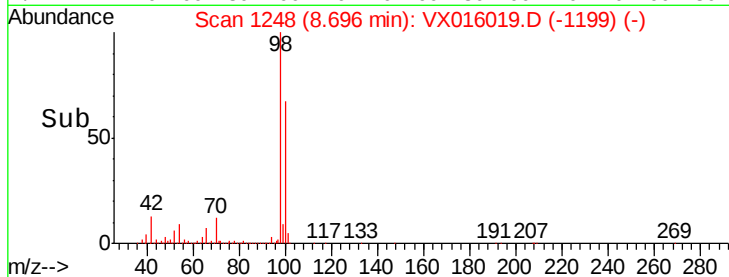
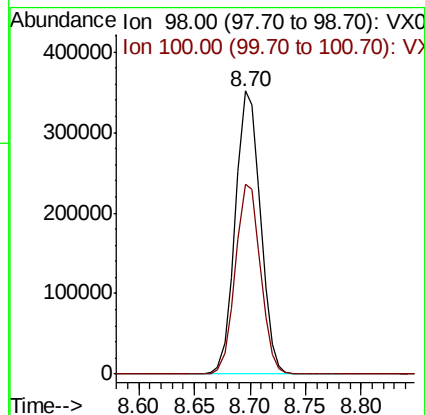
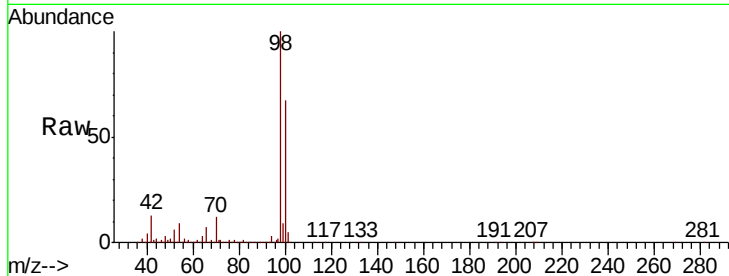
ClientSampleId :

Tot Ion: 98 Resp: 550248

Ion Ratio Lower Upper

98 100

100 67.0 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.545 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VX016019.D

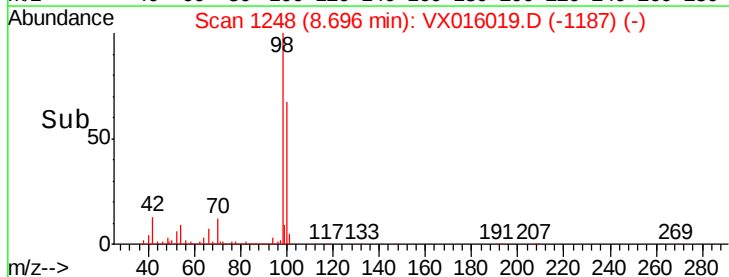
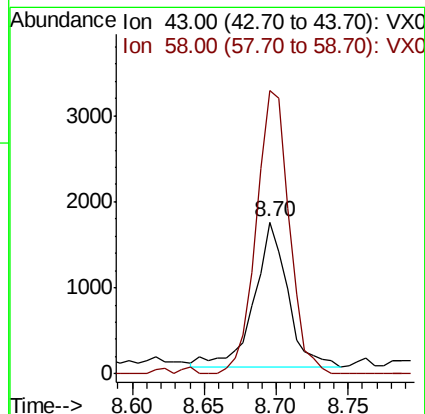
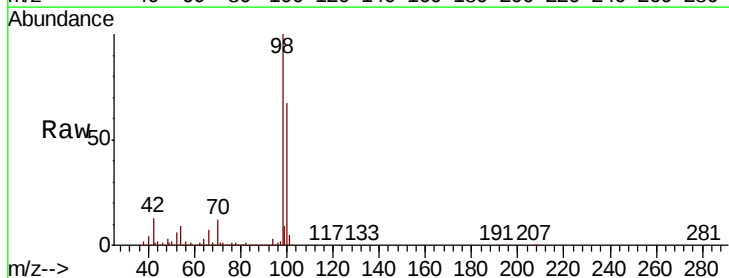
Acq: 01 May 2020 18:10

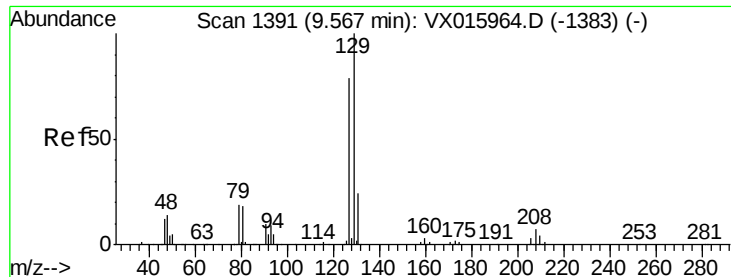
Tgt Ion: 43 Resp: 2672

Ion Ratio Lower Upper

43 100

58 193.5 32.0 48.0#





#60

Dibromochloromethane

Concen: 0.242 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016019.D

Acq: 01 May 2020 18:10

Instrument :

MSVOA_X

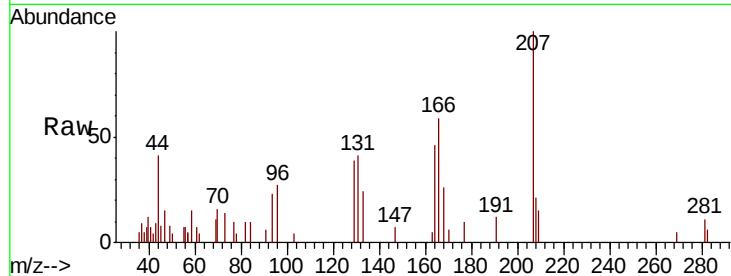
ClientSampleId :

Tot Ion:129 Resp: 834

Ion Ratio Lower Upper

129 100

127 0.0 39.4 118.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

600

500

400

300

200

100

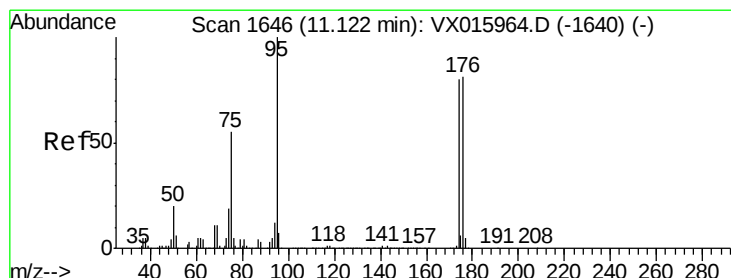
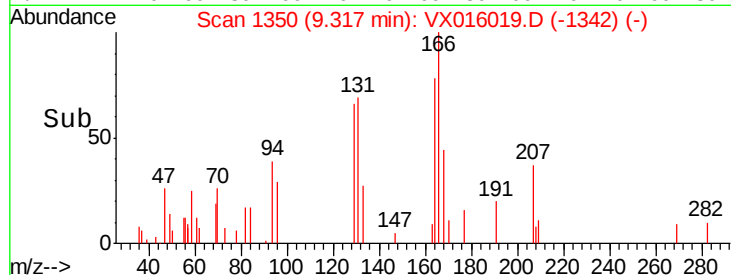
0

9.30

9.32

9.35

Time-->



#62

4-Bromofluorobenzene

Concen: 53.983 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016019.D

Acq: 01 May 2020 18:10

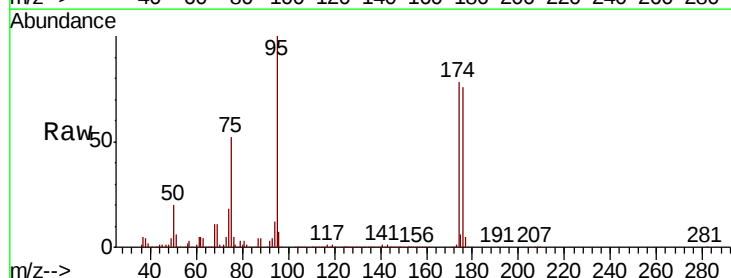
Tgt Ion: 95 Resp: 220549

Ion Ratio Lower Upper

95 100

174 80.8 0.0 165.0

176 77.4 0.0 163.2



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

250000

200000

150000

100000

50000

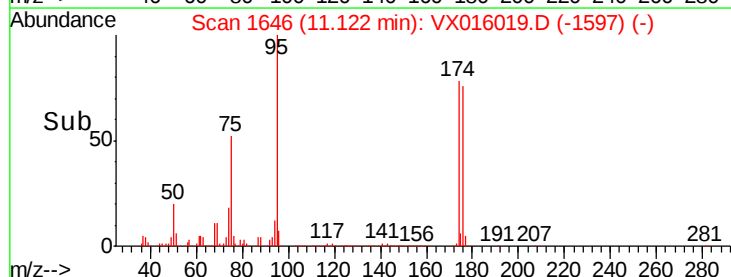
0

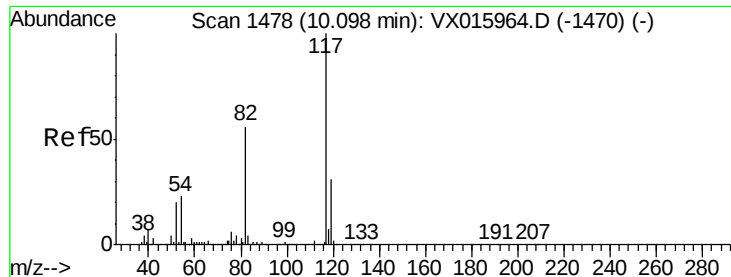
11.10

11.12

11.20

Time-->

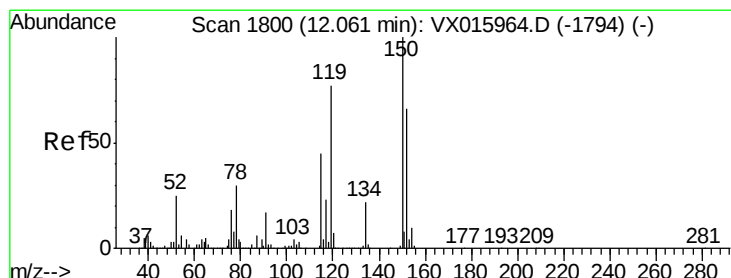
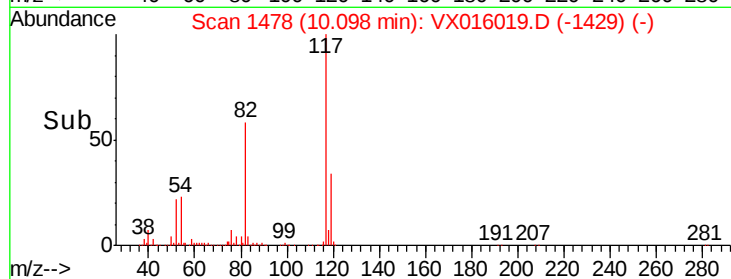
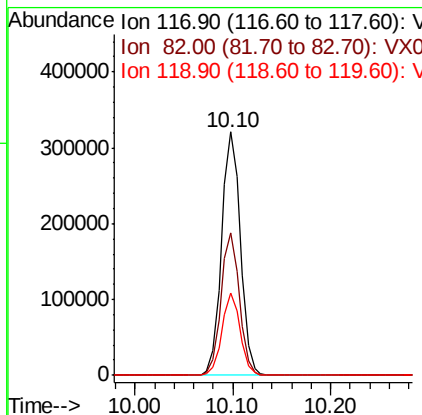
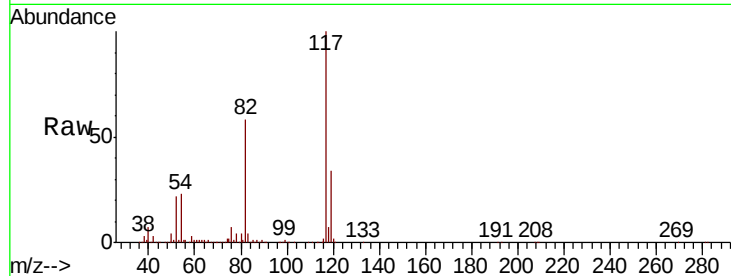




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016019.D
Acq: 01 May 2020 18:10

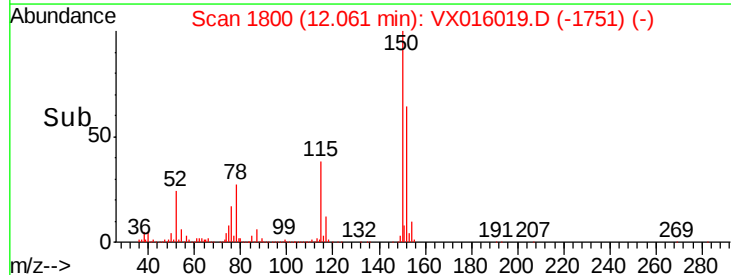
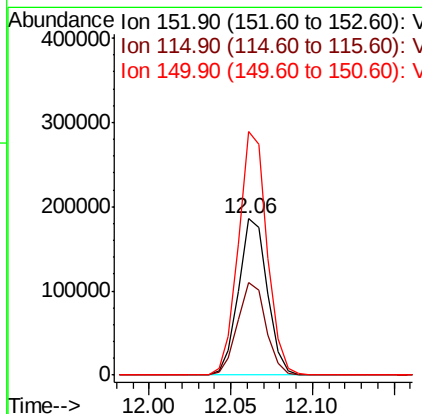
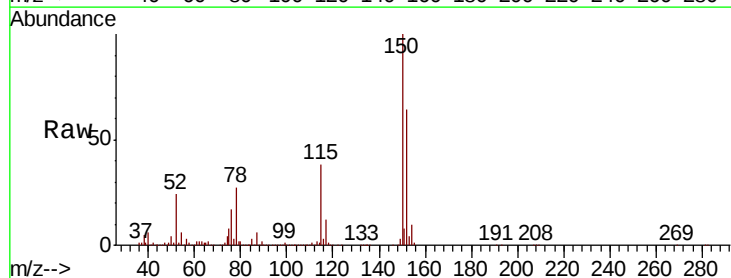
Instrument :
MSVOA_X
ClientSampleId :

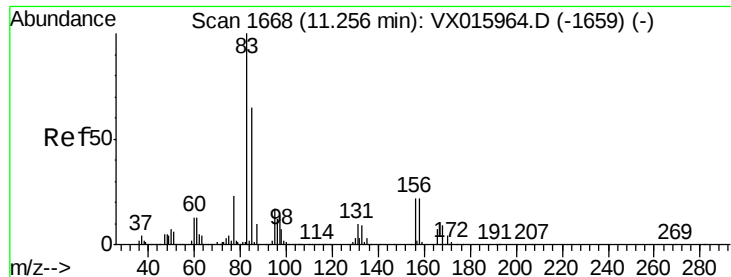
Tot Ion:117 Resp: 428662
Ion Ratio Lower Upper
117 100
82 58.5 44.5 66.7
119 33.7 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016019.D
Acq: 01 May 2020 18:10

Tgt Ion:152 Resp: 228963
Ion Ratio Lower Upper
152 100
115 58.4 40.9 122.7
150 154.6 0.0 342.4





#75

1,1,2,2-Tetrachloroethane

Concen: 3.792 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016019.D

Acq: 01 May 2020 18:10

Instrument :

MSVOA_X

ClientSampleId :

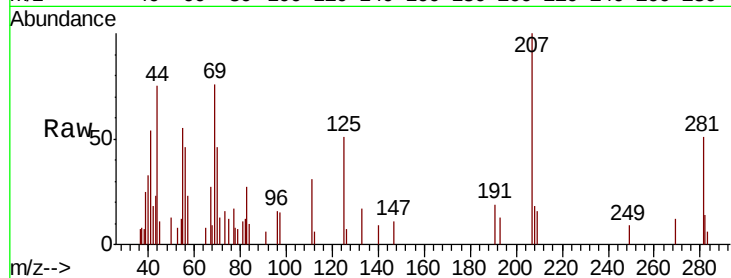
Tot Ion: 83 Resp: 357

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

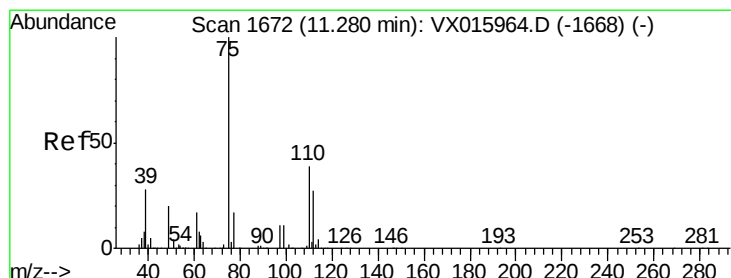
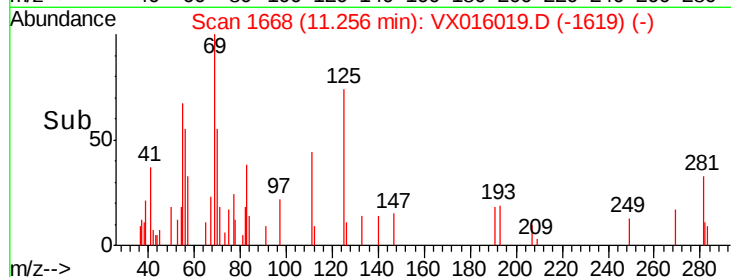
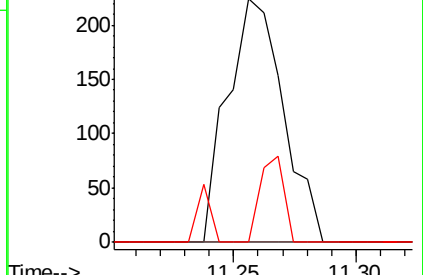
85 15.1 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.076 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016019.D

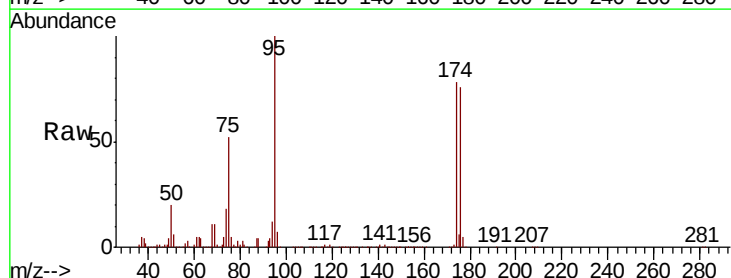
Acq: 01 May 2020 18:10

Tgt Ion: 75 Resp: 115674

Ion Ratio Lower Upper

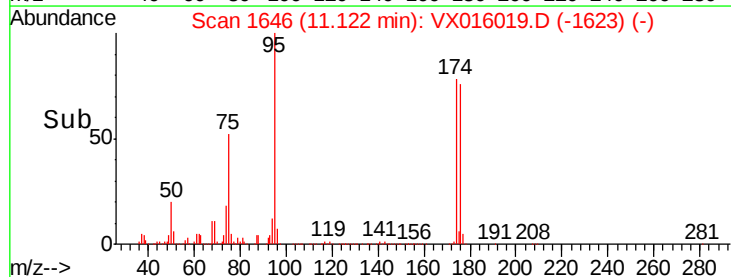
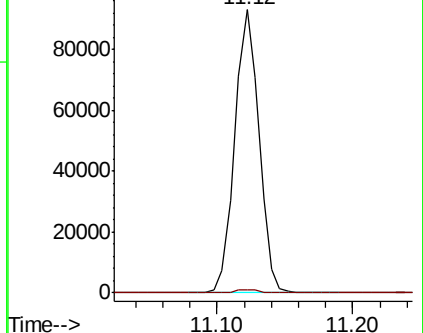
75 100

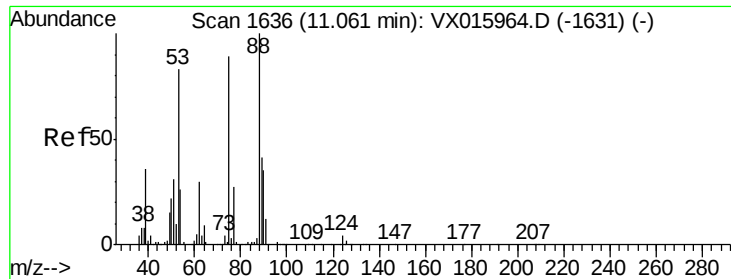
77 1.2 21.6 65.0#



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: 56.897 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016019.D

Acq: 01 May 2020 18:10

Instrument :

MSVOA_X

ClientSampleId :

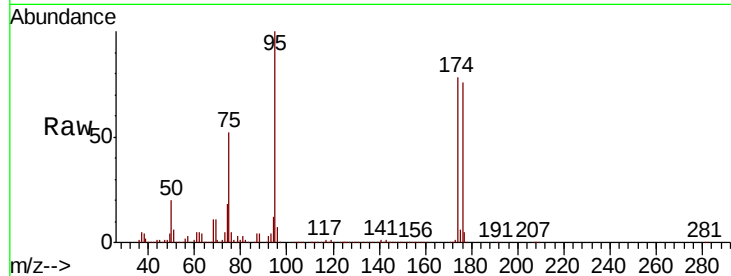
Tot Ion: 75 Resp: 115674

Ion Ratio Lower Upper

75 100

53 0.1 78.3 117.5#

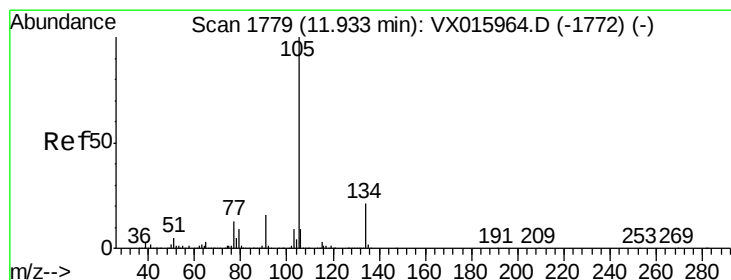
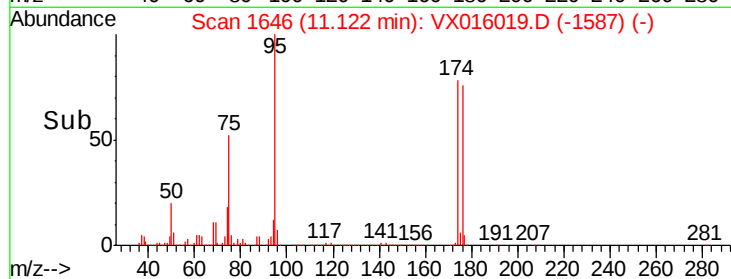
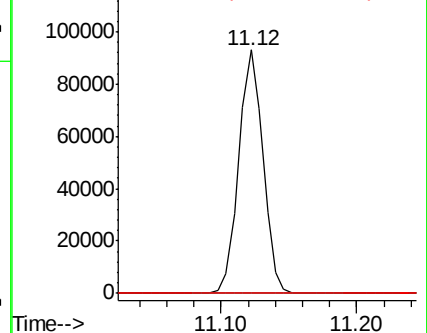
89 0.0 37.2 55.8#



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



#85

sec-Butylbenzene

Concen: 0.491 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016019.D

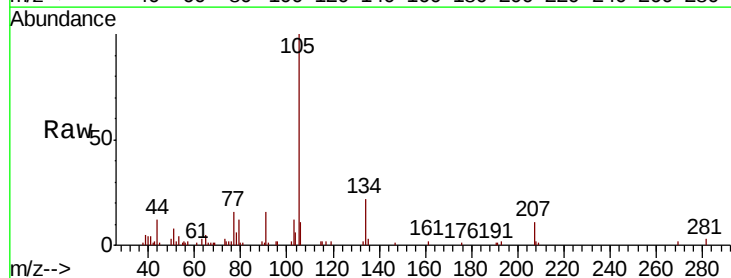
Acq: 01 May 2020 18:10

Tgt Ion: 105 Resp: 7491

Ion Ratio Lower Upper

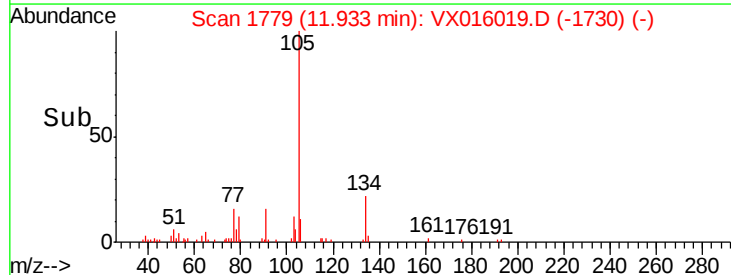
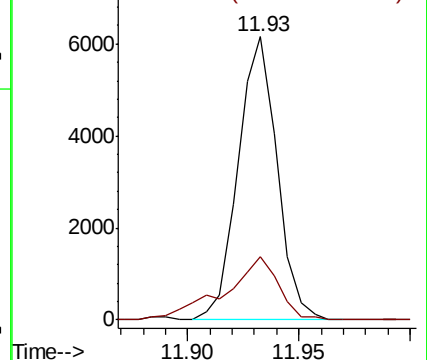
105 100

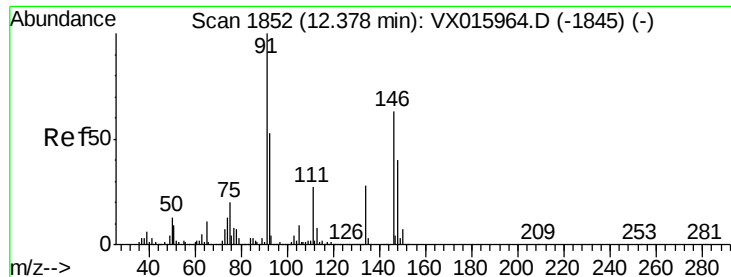
134 31.1 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.221 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX016019.D

Acq: 01 May 2020 18:10

Instrument :

MSVOA_X

ClientSampleId :

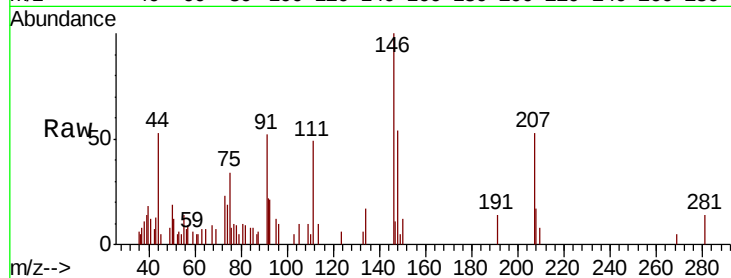
Tot Ion:146 Resp: 1545

Ion Ratio Lower Upper

146 100

111 41.2 21.1 63.3

148 60.7 32.3 96.9

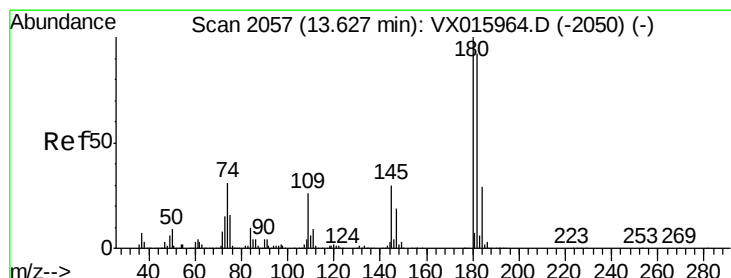
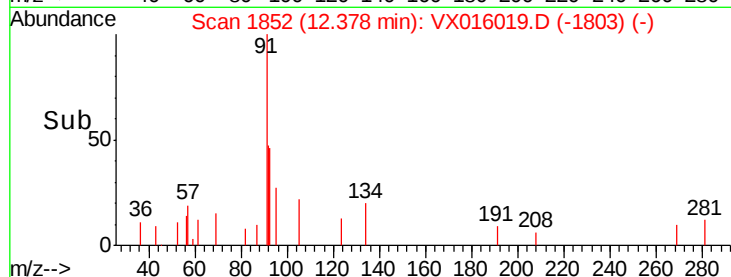
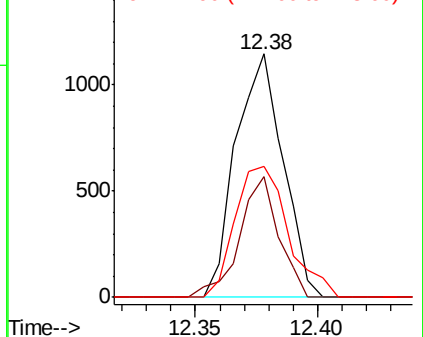


Abundance

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



#93

1,2,4-Trichlorobenzene

Concen: 0.283 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX016019.D

Acq: 01 May 2020 18:10

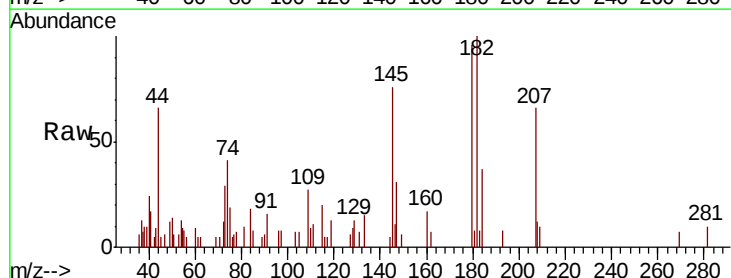
Tgt Ion:180 Resp: 1486

Ion Ratio Lower Upper

180 100

182 101.8 46.9 140.6

145 88.3 14.7 44.1#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

