

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052820\
 Data File : VX016478.D
 Acq On : 28 May 2020 12:30
 Operator : JC/SP
 Sample : L2730-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021RW246-200520

Quant Time: May 29 09:06:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	317409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	516729	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	512094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	253942	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	186986	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	5.46	113	149497	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
50) Toluene-d8	8.70	98	634148	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	11.12	95	258088	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	

Target Compounds

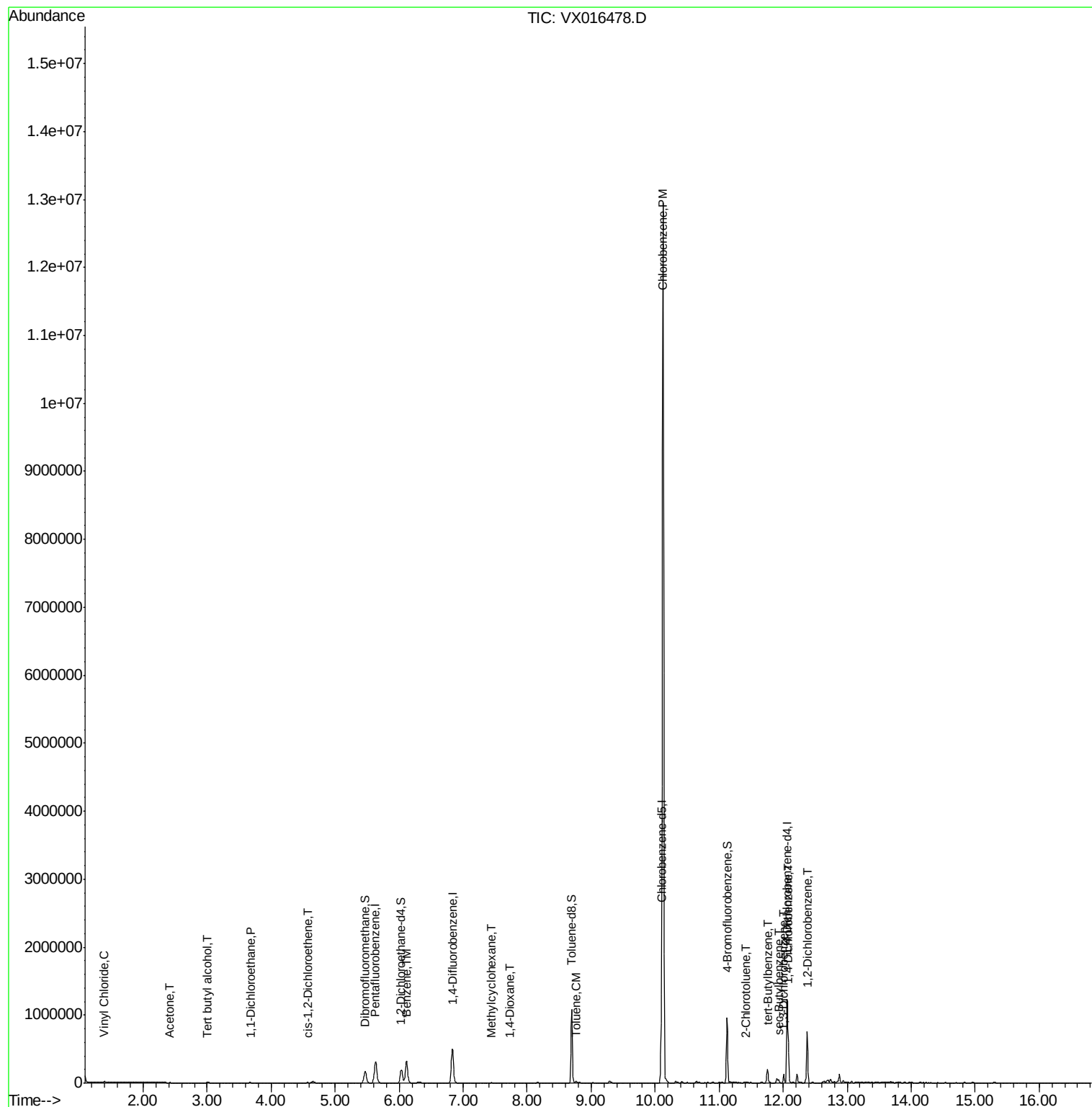
						Qvalue
4) Vinyl Chloride	1.39	62	7804	1.955	ug/l	95
11) Tert butyl alcohol	3.01	59	17631	17.443	ug/l #	94
16) Acetone	2.42	43	3833	2.219	ug/l	91
24) 1,1-Dichloroethane	3.67	63	8793	1.444	ug/l #	93
27) cis-1,2-Dichloroethene	4.57	96	4277	1.094	ug/l	85
39) Methylcyclohexane	7.44	83	2448	0.461	ug/l	95
40) Benzene	6.12	78	385850	26.484	ug/l	100
49) 1,4-Dioxane	7.72	88	3704	36.080	ug/l	98
52) Toluene	8.77	92	5857	0.638	ug/l	95
65) Chlorobenzene	10.12	112	5570203	533.535	ug/l	98
79) 2-Chlorotoluene	11.40	91	4423	0.369	ug/l	97
83) tert-Butylbenzene	11.76	119	78565	6.258	ug/l	94
85) sec-Butylbenzene	11.93	105	23002	1.461	ug/l	96
87) 1,3-Dichlorobenzene	12.01	146	42688	5.339	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	143762	17.581	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	247828	31.994	ug/l	99

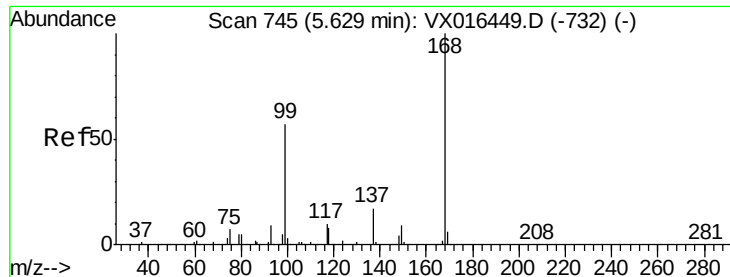
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016478.D

Acq: 28 May 2020 12:30

Instrument :

MSVOA_X

ClientSampleId :

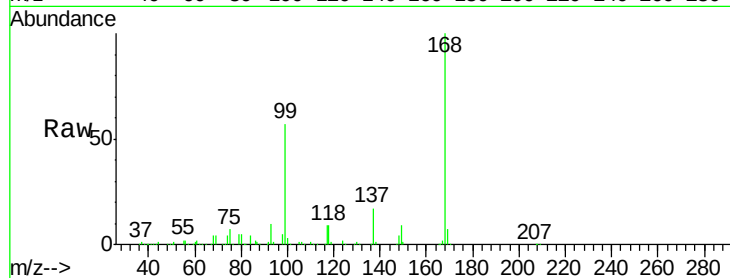
WP021RW246-200520

Tot Ion:168 Resp: 317409

Ion Ratio Lower Upper

168 100

99 57.3 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

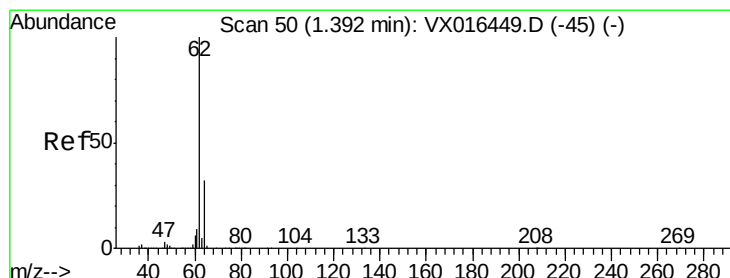
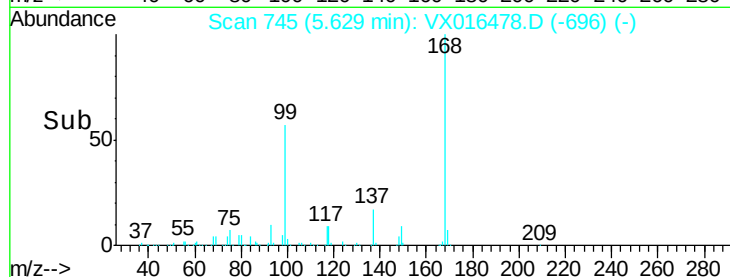
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 1.955 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016478.D

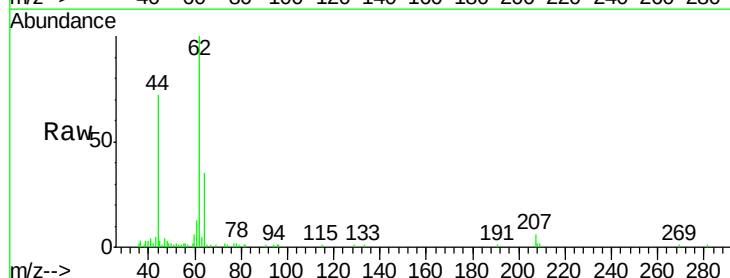
Acq: 28 May 2020 12:30

Tgt Ion: 62 Resp: 7804

Ion Ratio Lower Upper

62 100

64 35.0 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

8000

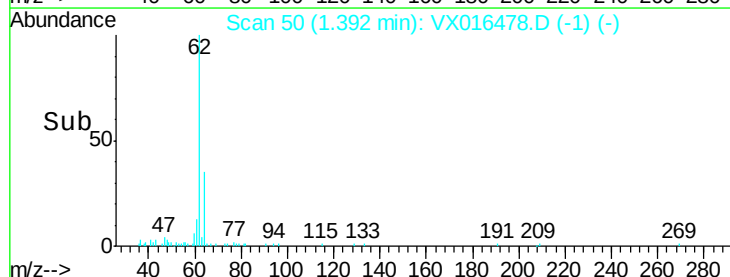
6000

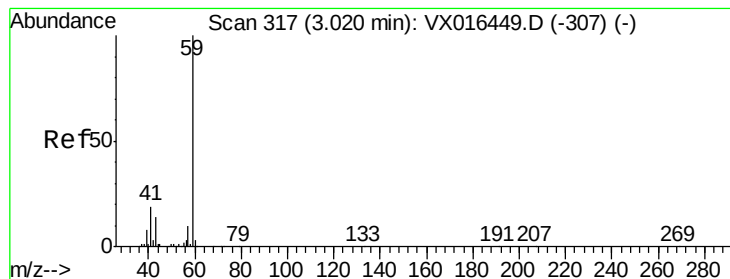
4000

2000

0

Time-->





#11

Tert butyl alcohol

Concen: 17.443 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016478.D

Acq: 28 May 2020 12:30

Instrument :

MSVOA_X

ClientSampleId :

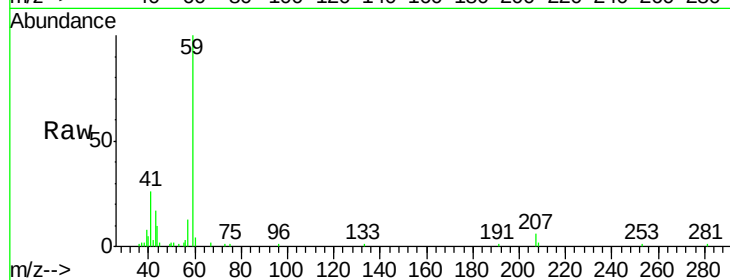
WP021RW246-200520

Tot Ion: 59 Resp: 17631

Ion Ratio Lower Upper

59 100

57 12.6 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

8000

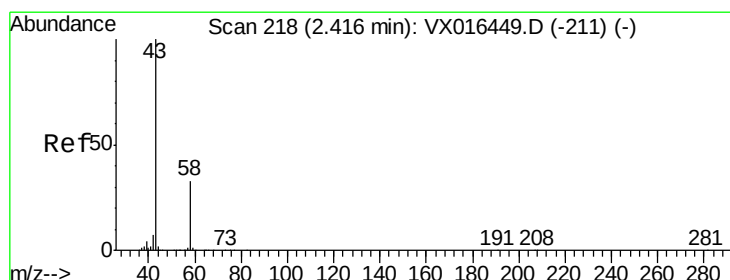
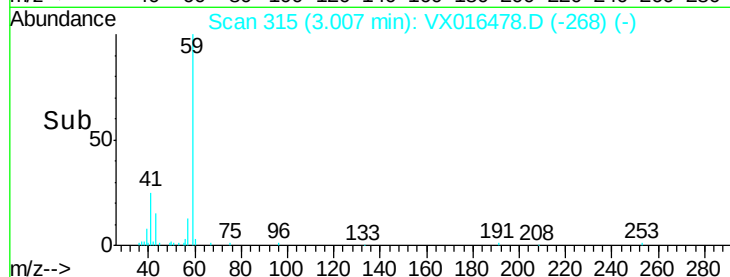
6000

4000

2000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#16

Acetone

Concen: 2.219 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016478.D

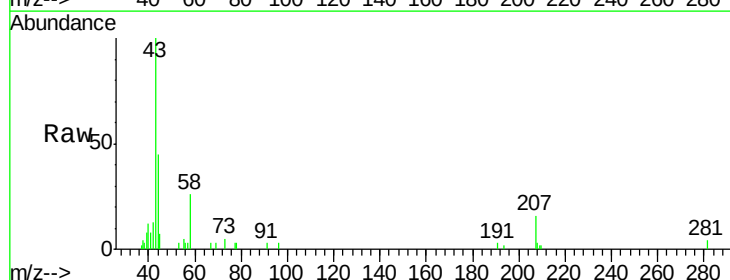
Acq: 28 May 2020 12:30

Tgt Ion: 43 Resp: 3833

Ion Ratio Lower Upper

43 100

58 27.3 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

3000

2500

2000

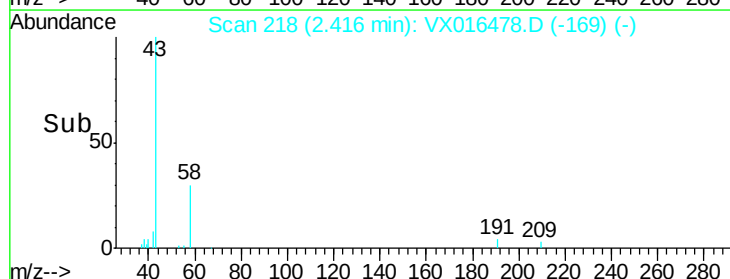
1500

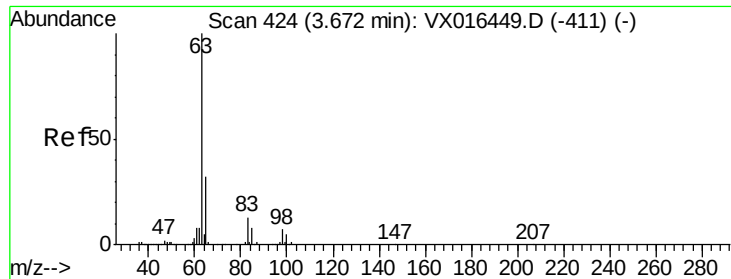
1000

500

0

Time--> 2.35 2.40 2.45





#24

1,1-Dichloroethane

Concen: 1.444 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016478.D

Acq: 28 May 2020 12:30

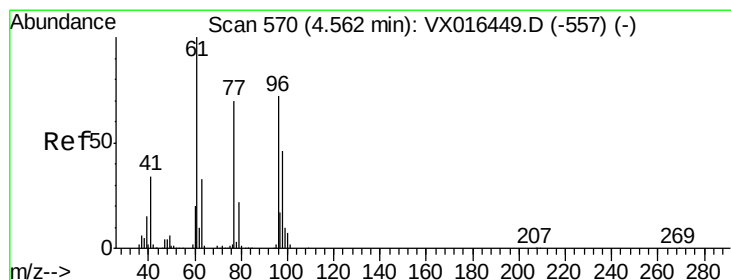
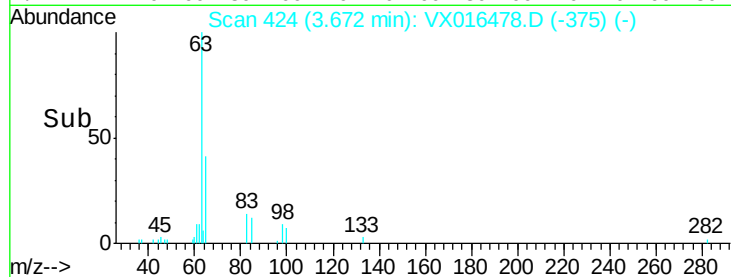
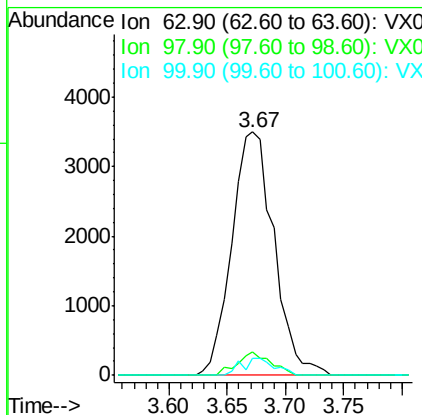
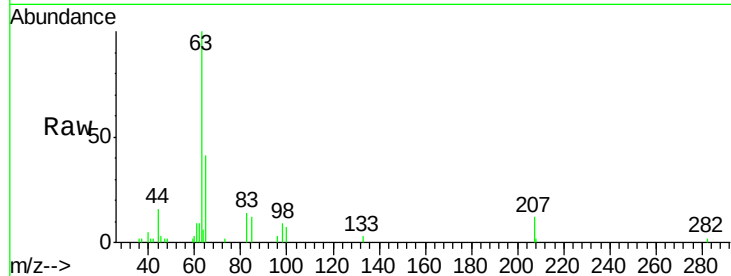
Instrument :

MSVOA_X

ClientSampleId :

WP021RW246-200520

Tot Ion:	63	Resp:	8793
Ion	Ratio	Lower	Upper
63	100		
98	9.5	3.6	10.9
100	7.3	2.4	7.1#



#27

cis-1,2-Dichloroethene

Concen: 1.094 ug/l

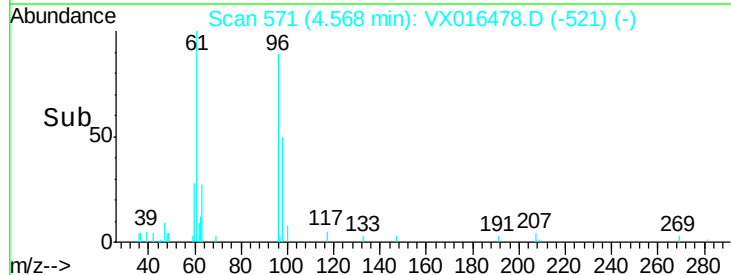
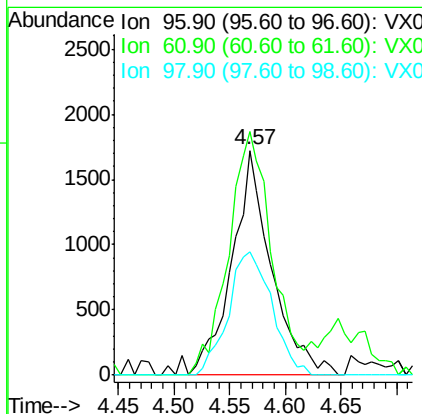
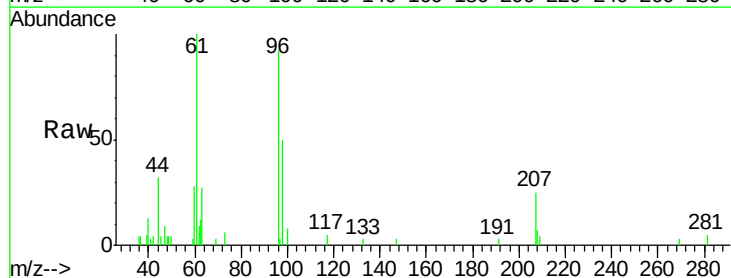
RT: 4.57 min Scan# 571

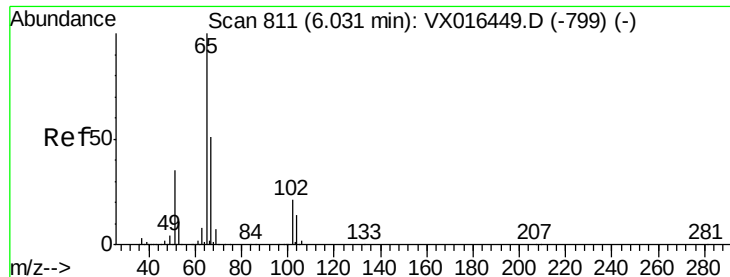
Delta R.T. 0.01 min

Lab File: VX016478.D

Acq: 28 May 2020 12:30

Tgt Ion:	96	Resp:	4277
Ion	Ratio	Lower	Upper
96	100		
61	117.3	0.0	284.6
98	60.1	0.0	127.2

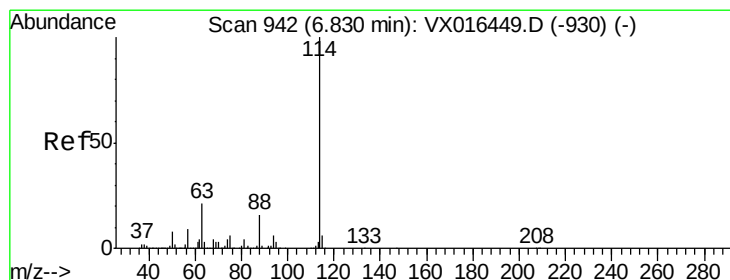
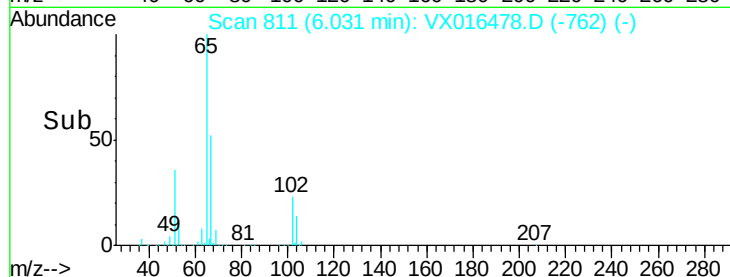
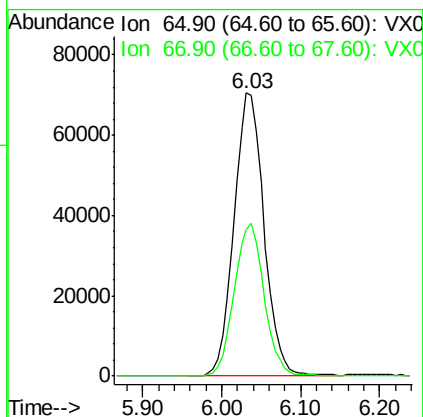
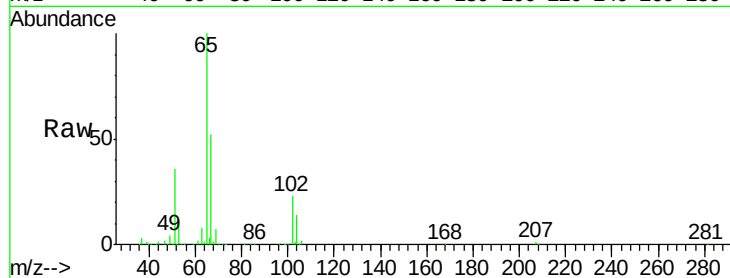




#33
 1,2-Dichloroethane-d4
 Concen: 47.437 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016478.D
 Acq: 28 May 2020 12:30

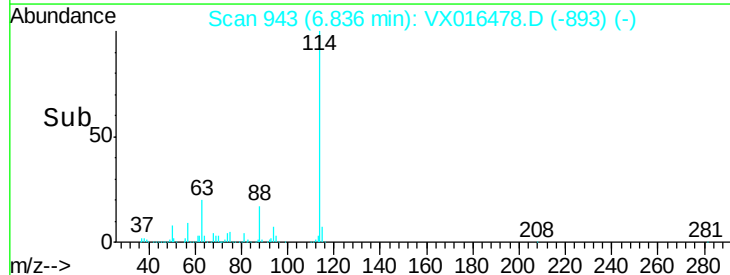
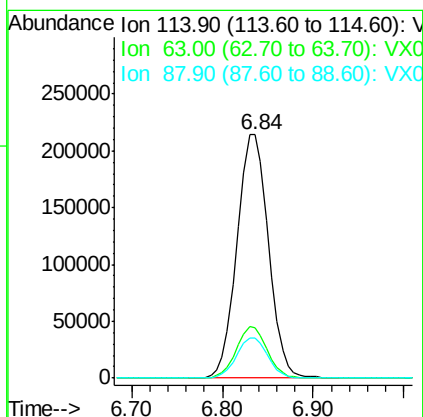
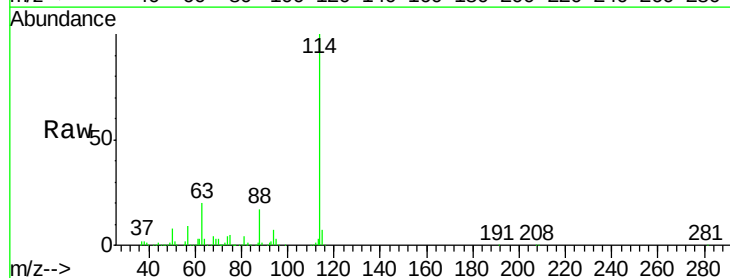
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021RW246-200520

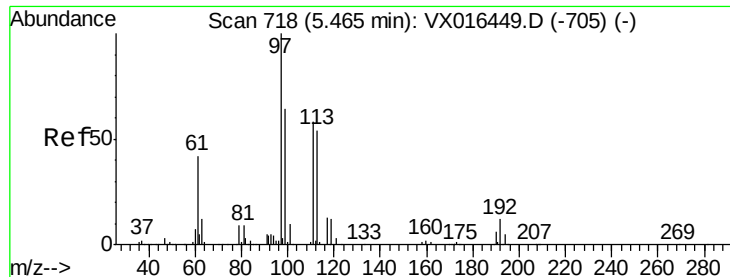
Tot Ion: 65 Resp: 186986
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016478.D
 Acq: 28 May 2020 12:30

Tgt Ion: 114 Resp: 516729
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 46.986 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016478.D

Acq: 28 May 2020 12:30

Instrument :

MSVOA_X

ClientSampleId :

WP021RW246-200520

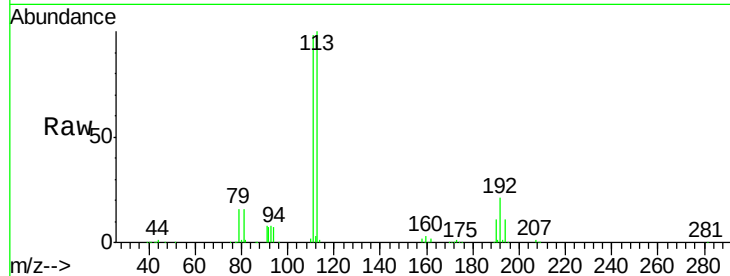
Tot Ion:113 Resp: 149497

Ion Ratio Lower Upper

113 100

111 100.6 83.0 124.6

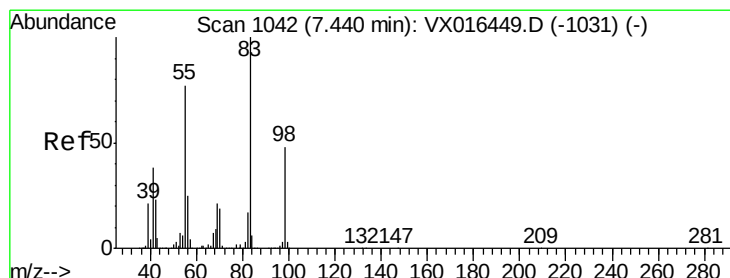
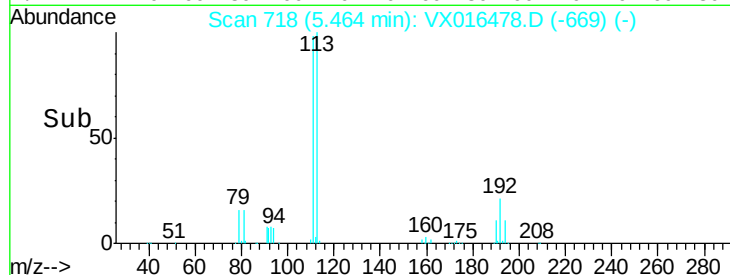
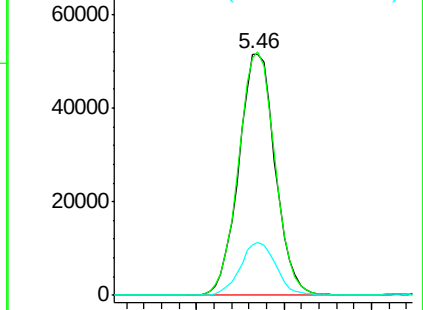
192 21.5 17.7 26.5



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



#39

Methylcyclohexane

Concen: 0.461 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX016478.D

Acq: 28 May 2020 12:30

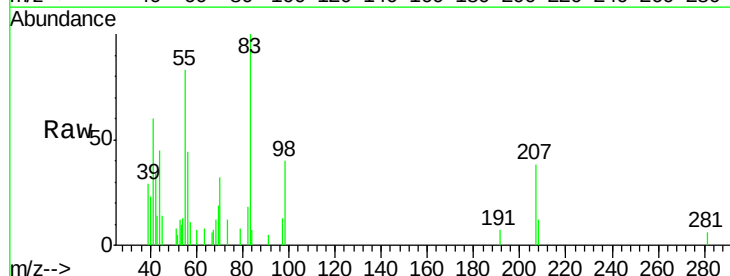
Tgt Ion: 83 Resp: 2448

Ion Ratio Lower Upper

83 100

55 77.0 61.7 92.5

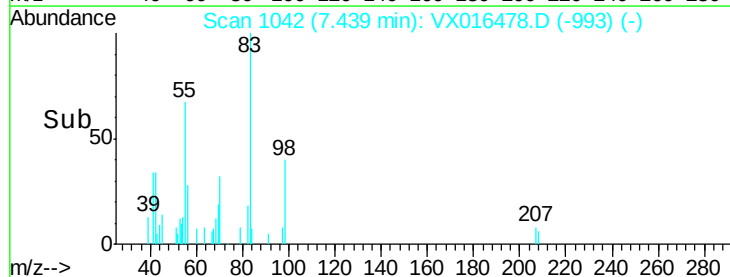
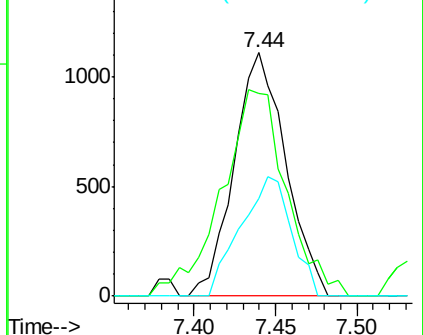
98 40.2 38.7 58.1

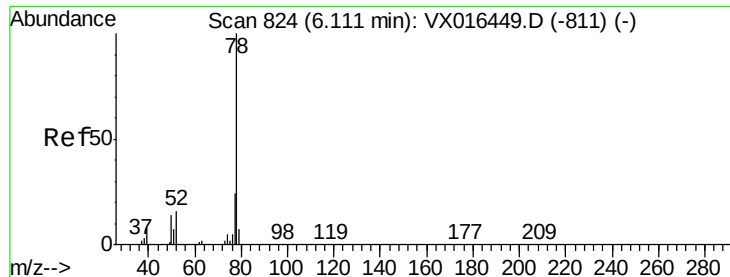


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 26.484 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX016478.D

Acq: 28 May 2020 12:30

Instrument :

MSVOA_X

ClientSampleId :

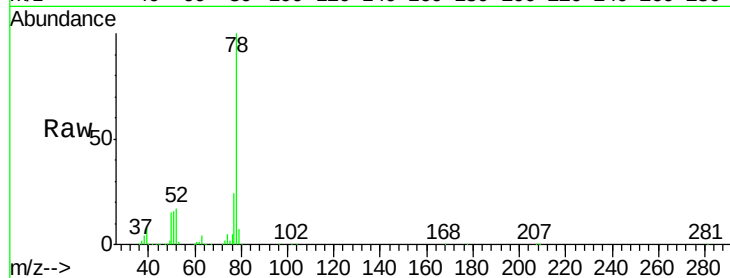
WP021RW246-200520

Tot Ion: 78 Resp: 385850

Ion Ratio Lower Upper

78 100

77 23.8 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.12

150000

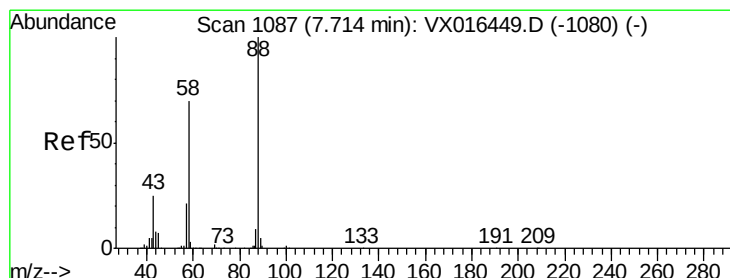
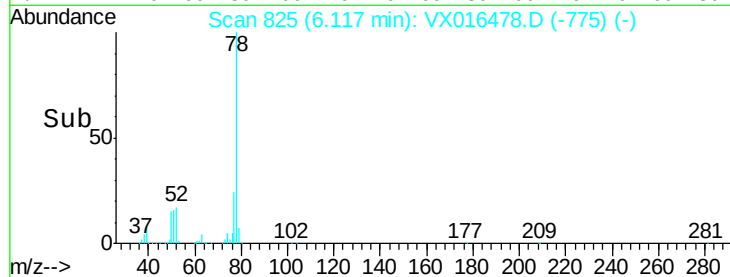
100000

50000

0

Time-->

6.00 6.10 6.20 6.30



#49

1,4-Dioxane

Concen: 36.080 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX016478.D

Acq: 28 May 2020 12:30

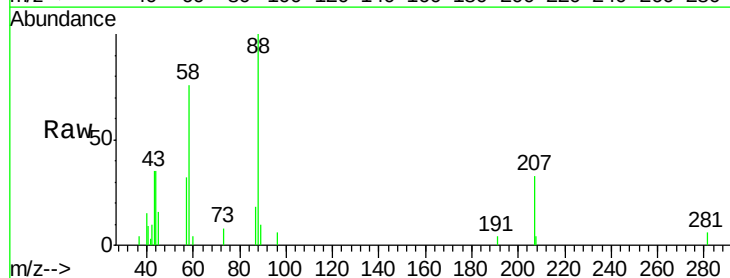
Tgt Ion: 88 Resp: 3704

Ion Ratio Lower Upper

88 100

43 28.5 24.2 36.4

58 69.3 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

1500

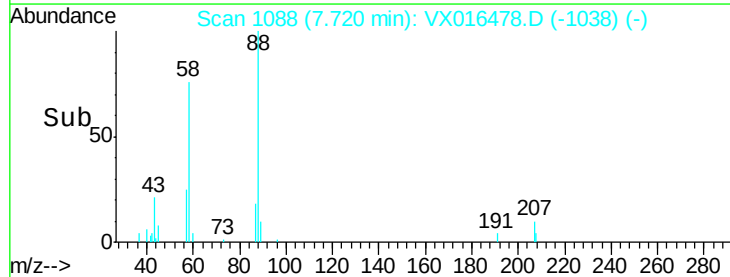
1000

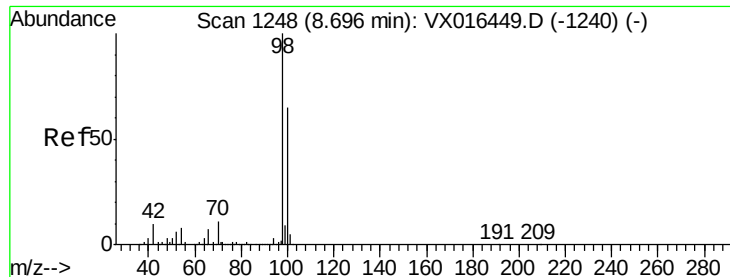
500

0

Time-->

7.65 7.70 7.75 7.80





#50

Toluene-d8

Concen: 51.207 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016478.D

Acq: 28 May 2020 12:30

Instrument :

MSVOA_X

ClientSampleId :

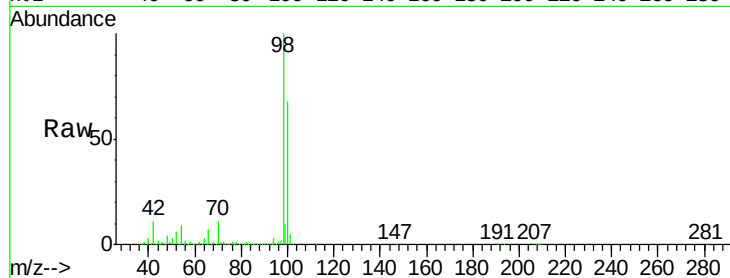
WP021RW246-200520

Tot Ion: 98 Resp: 634148

Ion Ratio Lower Upper

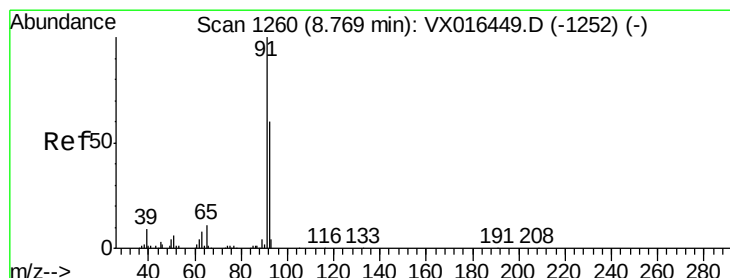
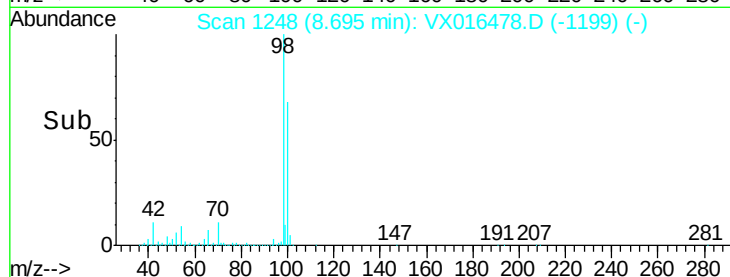
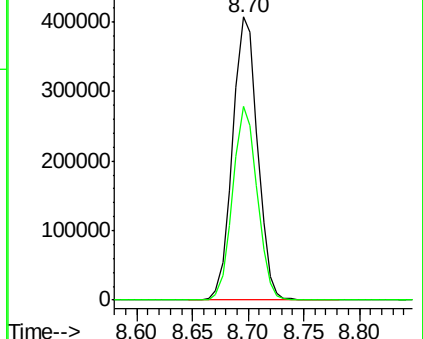
98 100

100 67.1 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 0.638 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016478.D

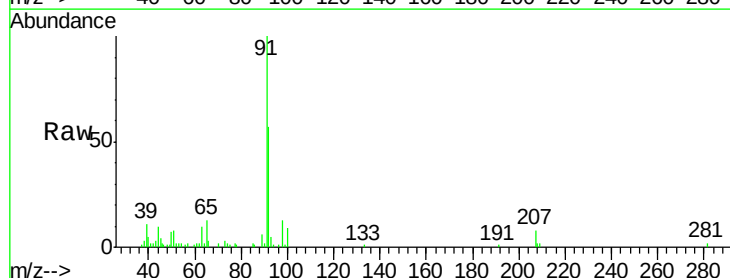
Acq: 28 May 2020 12:30

Tgt Ion: 92 Resp: 5857

Ion Ratio Lower Upper

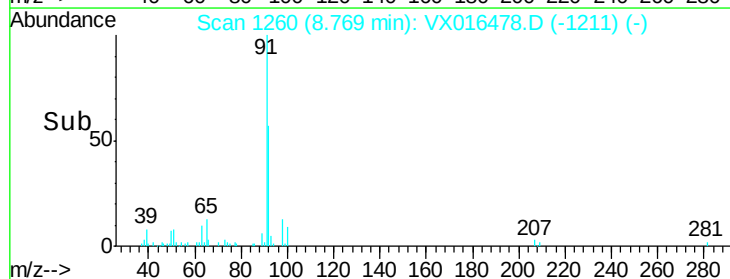
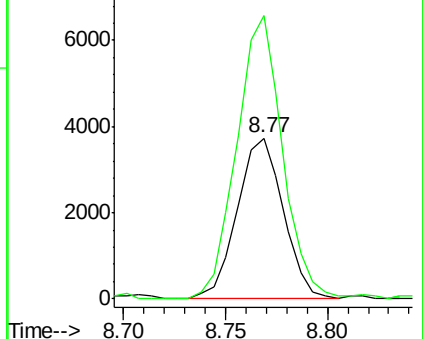
92 100

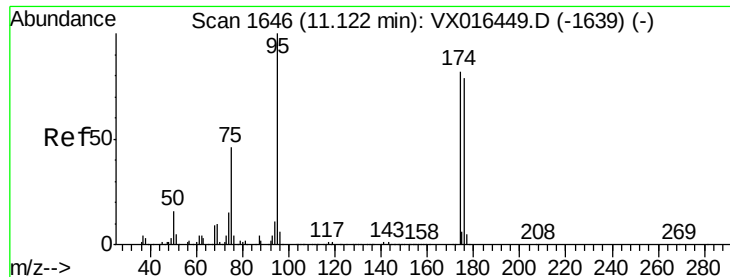
91 175.8 135.0 202.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.935 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016478.D

Acq: 28 May 2020 12:30

Instrument :

MSVOA_X

ClientSampleId :

WP021RW246-200520

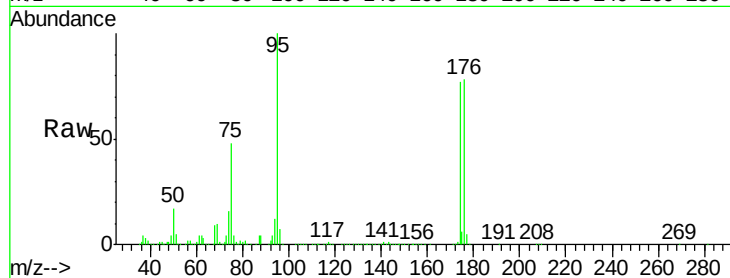
Tot Ion: 95 Resp: 258088

Ion Ratio Lower Upper

95 100

174 80.8 0.0 163.0

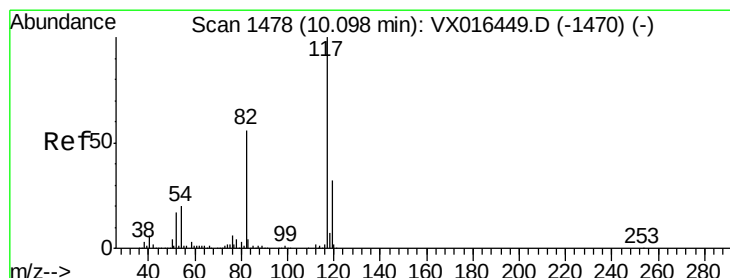
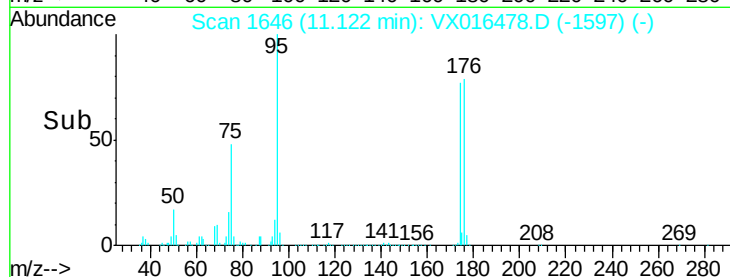
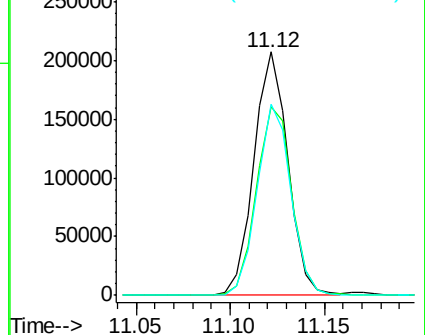
176 78.6 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016478.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016478.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016478.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016478.D

Acq: 28 May 2020 12:30

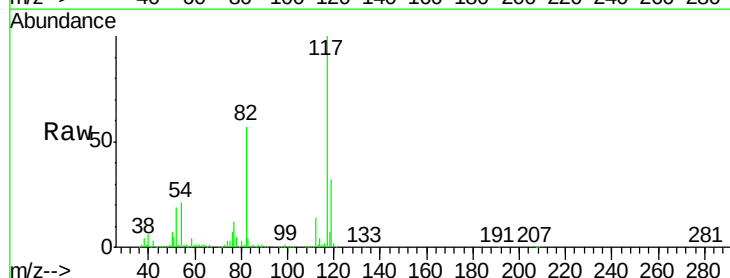
Tgt Ion: 117 Resp: 512094

Ion Ratio Lower Upper

117 100

82 57.1 45.0 67.6

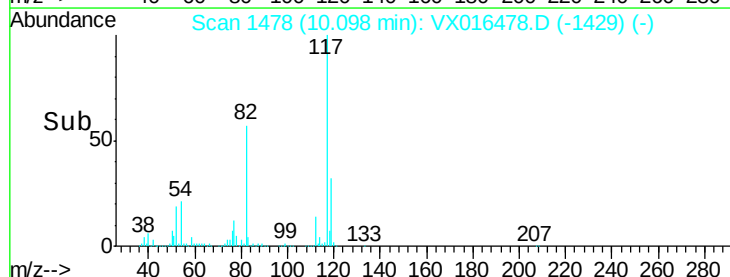
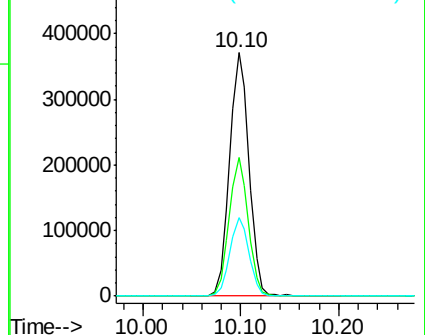
119 32.2 25.8 38.8

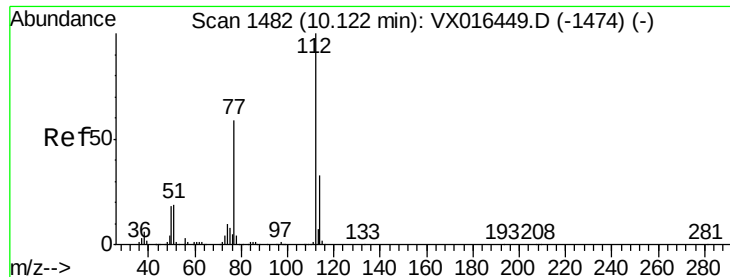


Abundance Ion 116.90 (116.60 to 117.60): VX016478.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016478.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016478.D (-1429) (-)

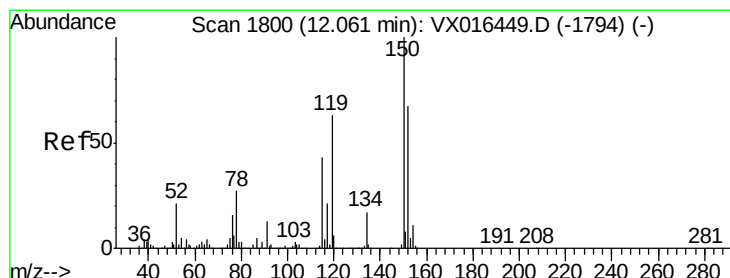
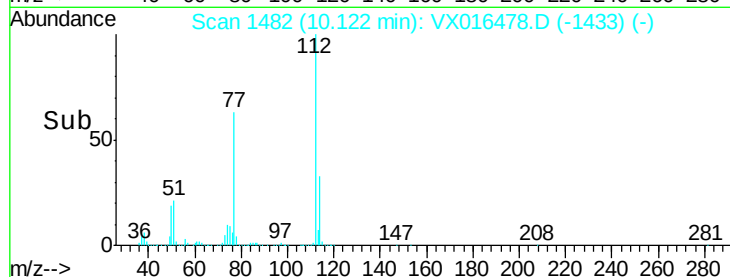
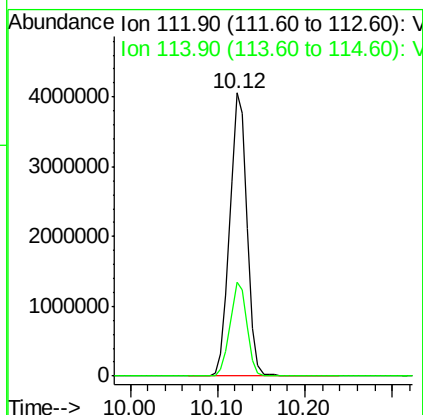
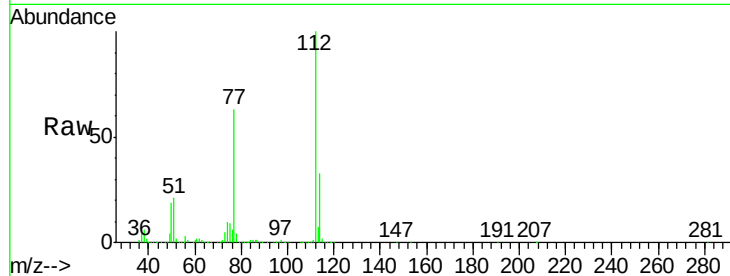




#65
Chlorobenzene
Concen: 533.535 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016478.D
Acq: 28 May 2020 12:30

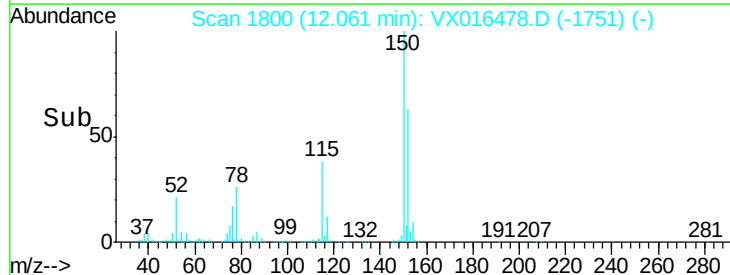
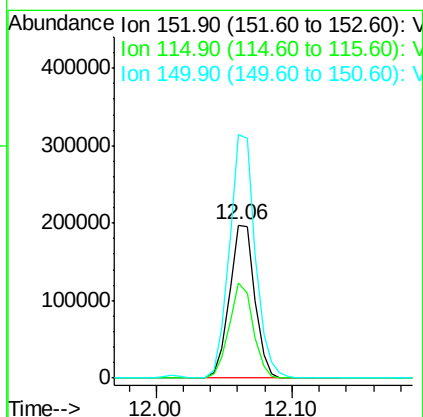
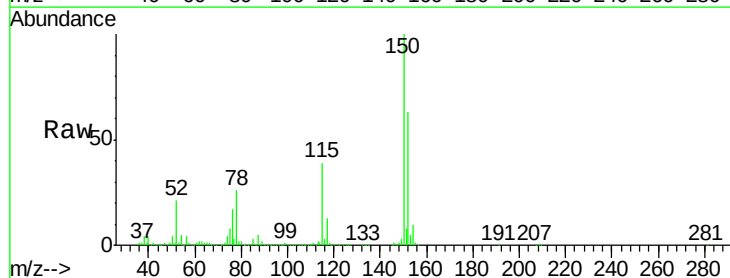
Instrument :
MSVOA_X
ClientSampleId :
WP021RW246-200520

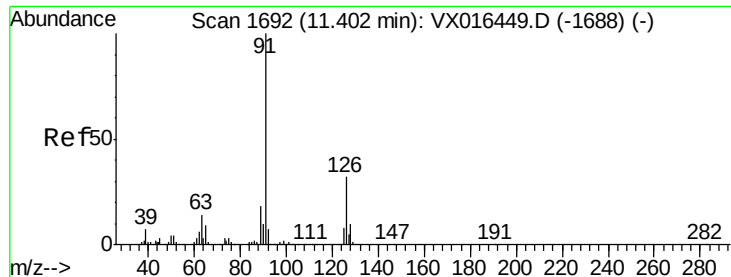
Tot Ion:112 Resp: 5570203
Ion Ratio Lower Upper
112 100
114 33.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016478.D
Acq: 28 May 2020 12:30

Tgt Ion:152 Resp: 253942
Ion Ratio Lower Upper
152 100
115 59.2 39.9 119.6
150 163.2 0.0 341.0

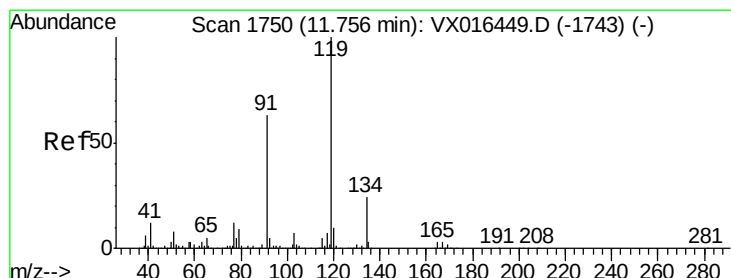
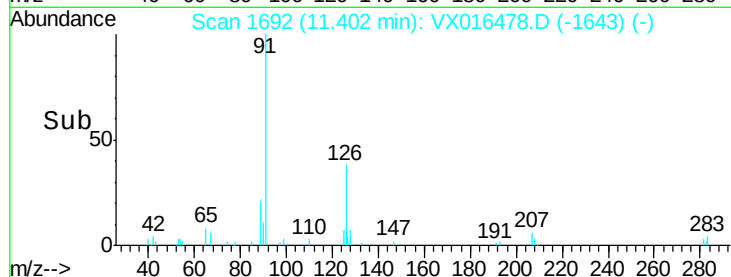
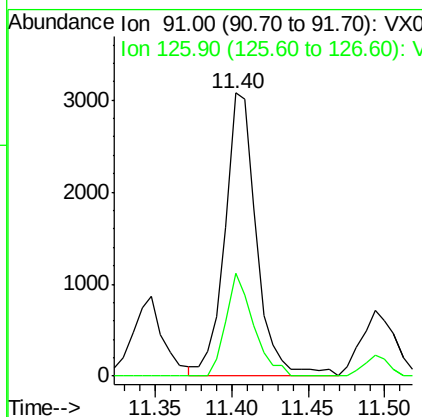
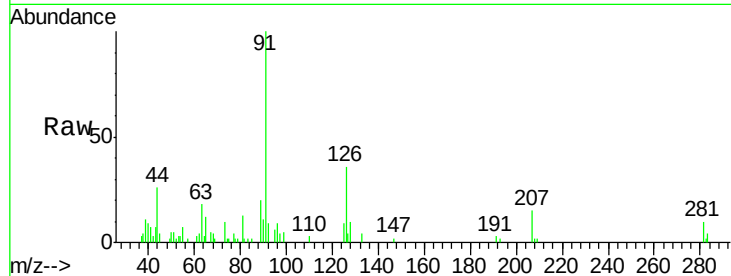




#79
2-Chlorotoluene
Concen: 0.369 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX016478.D
Acq: 28 May 2020 12:30

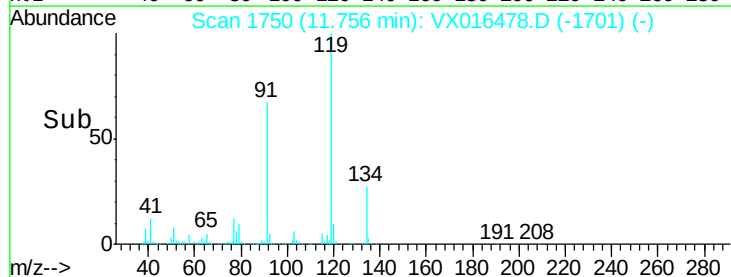
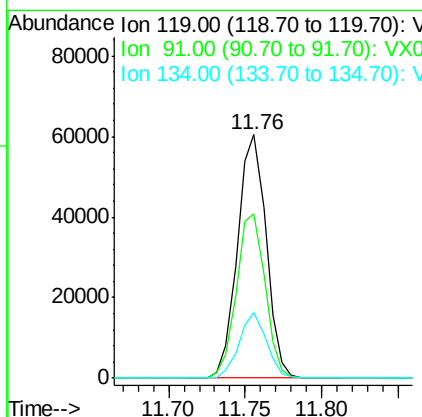
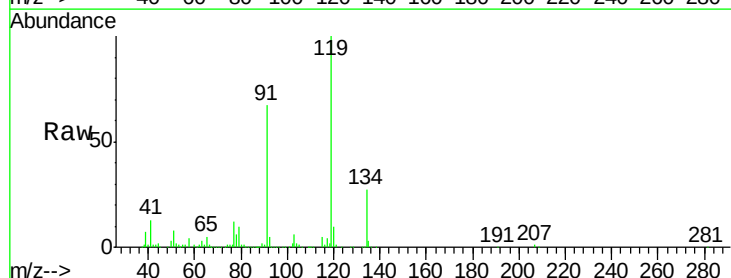
Instrument :
MSVOA_X
ClientSampleId :
WP021RW246-200520

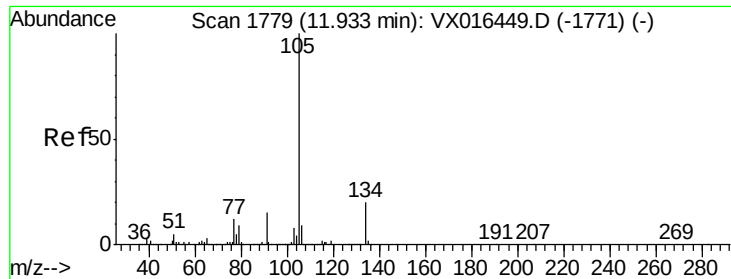
Tot Ion: 91 Resp: 4423
Ion Ratio Lower Upper
91 100
126 31.5 16.8 50.3



#83
tert-Butylbenzene
Concen: 6.258 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016478.D
Acq: 28 May 2020 12:30

Tgt Ion: 119 Resp: 78565
Ion Ratio Lower Upper
119 100
91 67.8 31.3 93.8
134 25.5 12.0 36.0

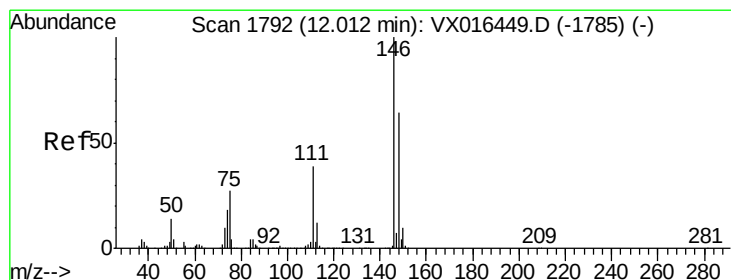
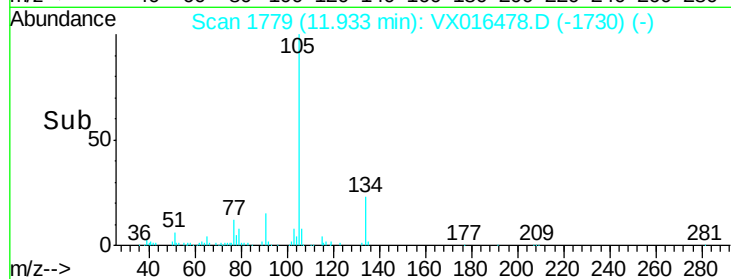
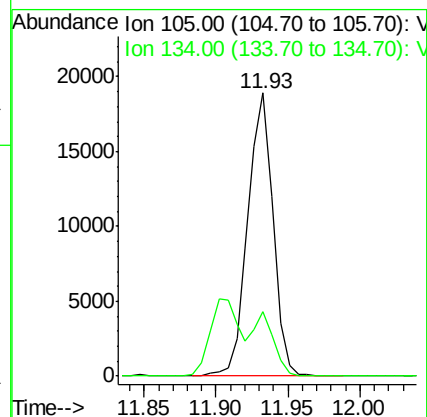
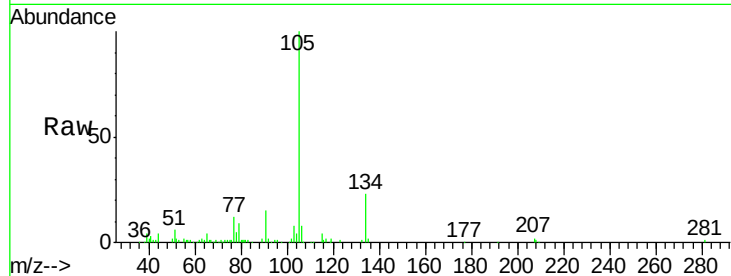




#85
 sec-Butylbenzene
 Concen: 1.461 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016478.D
 Acq: 28 May 2020 12:30

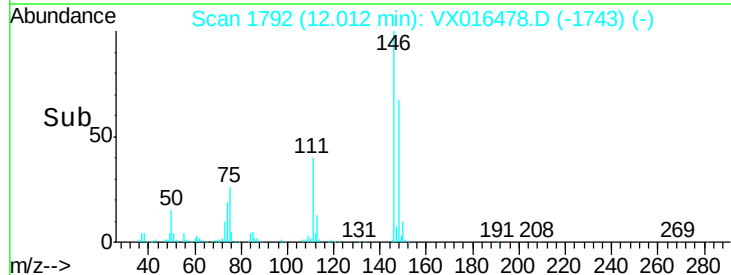
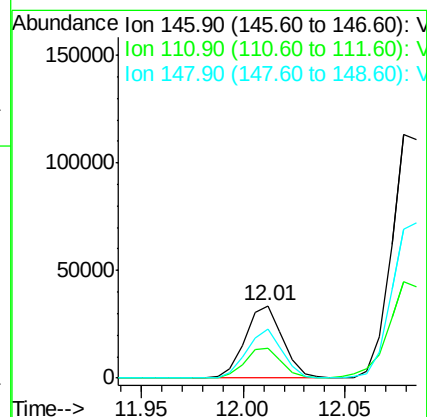
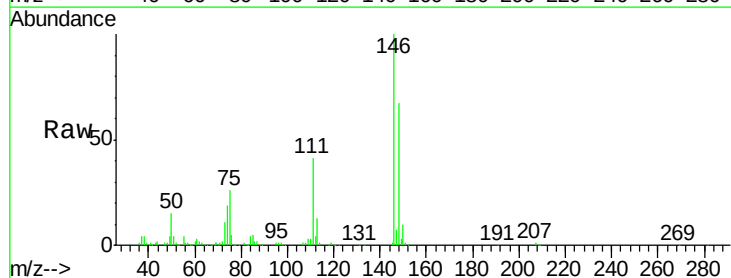
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021RW246-200520

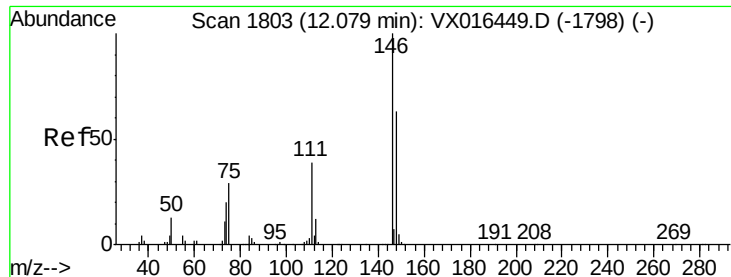
Tot Ion:105 Resp: 23002
 Ion Ratio Lower Upper
 105 100
 134 18.2 10.1 30.3



#87
 1,3-Dichlorobenzene
 Concen: 5.339 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016478.D
 Acq: 28 May 2020 12:30

Tgt Ion:146 Resp: 42688
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.0 60.0
 148 64.7 31.9 95.5





#88

1,4-Dichlorobenzene

Concen: 17.581 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX016478.D

Acq: 28 May 2020 12:30

Instrument :

MSVOA_X

ClientSampleId :

WP021RW246-200520

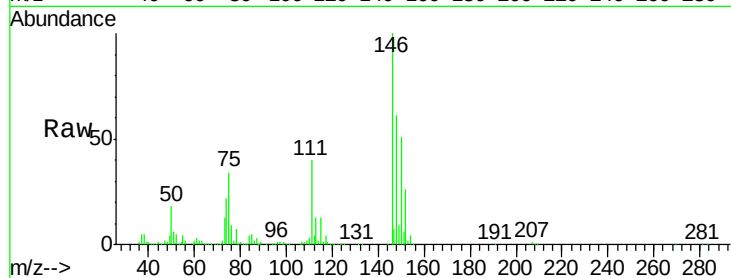
Tot Ion:146 Resp: 143762

Ion Ratio Lower Upper

146 100

111 41.2 19.4 58.2

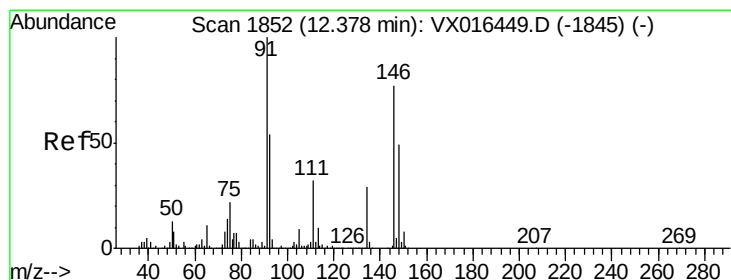
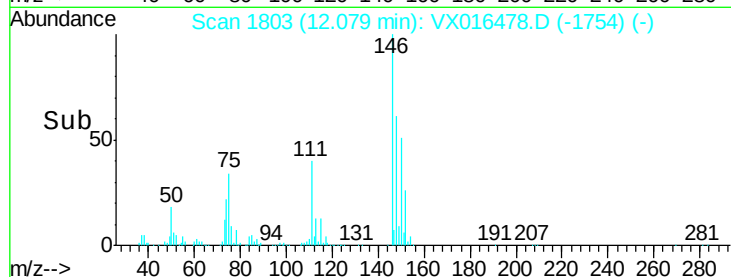
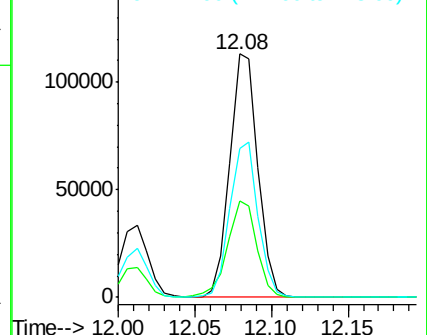
148 63.9 31.4 94.3



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



#91

1,2-Dichlorobenzene

Concen: 31.994 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016478.D

Acq: 28 May 2020 12:30

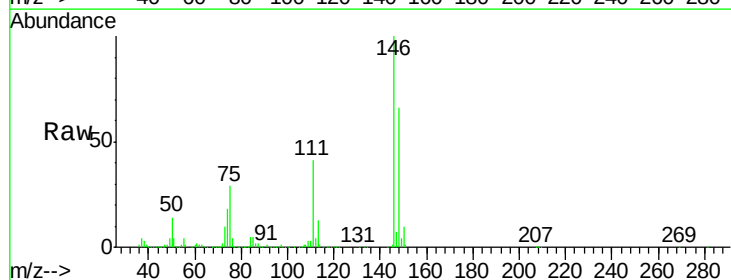
Tgt Ion:146 Resp: 247828

Ion Ratio Lower Upper

146 100

111 41.7 21.4 64.3

148 64.7 31.9 95.7



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

