

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052820\
 Data File : VX016477.D
 Acq On : 28 May 2020 12:07
 Operator : JC/SP
 Sample : L2730-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021RW245-200520

Quant Time: May 29 03:37:52 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	5.64	168	330325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	535965	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	519677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	256835	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	194673	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
35) Dibromofluoromethane	5.47	113	155394	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
50) Toluene-d8	8.70	98	654888	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.12	95	260149	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	

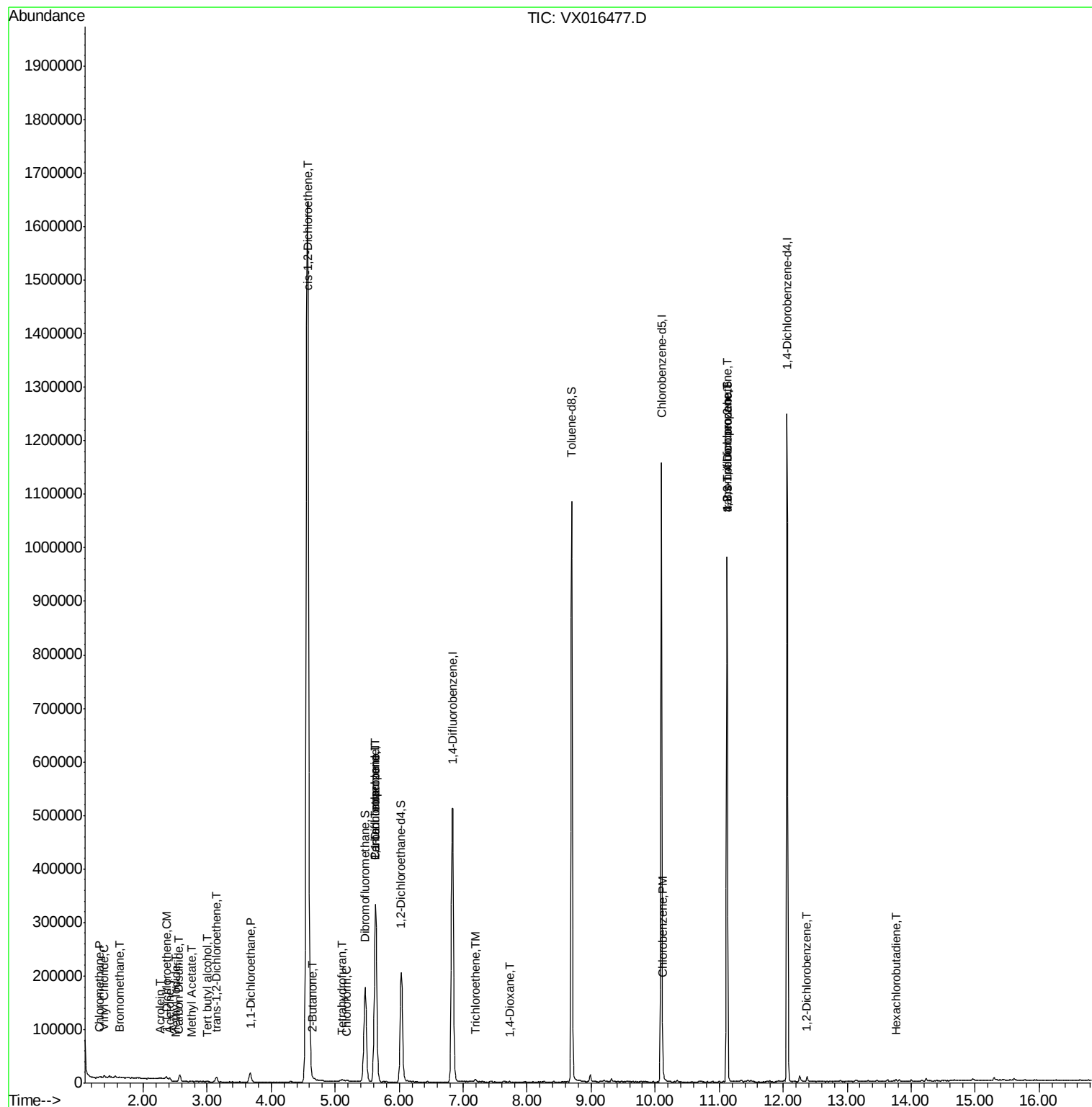
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1472	0.375	ug/l	95
4) Vinyl Chloride	1.39	62	2236	0.538	ug/l	91
5) Bromomethane	1.64	94	613	0.303	ug/l	84
10) Methyl Iodide	2.50	142	464	3.177	ug/l #	70
11) Tert butyl alcohol	3.00	59	597	0.568	ug/l	96
12) 1,1-Dichloroethene	2.36	96	1234	0.388	ug/l	92
13) Acrolein	2.27	56	241	0.539	ug/l #	1
16) Acetone	2.42	43	5739	3.193	ug/l	98
17) Carbon Disulfide	2.55	76	2330	0.247	ug/l #	57
18) Methyl Acetate	2.76	43	925	0.201	ug/l	91
21) trans-1,2-Dichloroethene	3.14	96	3948	1.123	ug/l	93
24) 1,1-Dichloroethane	3.67	63	19725	3.112	ug/l	97
25) 2-Butanone	4.65	43	1074	0.353	ug/l #	72
27) cis-1,2-Dichloroethene	4.57	96	1073330	263.898	ug/l	92
29) Tetrahydrofuran	5.10	42	3167	1.610	ug/l #	63
30) Chloroform	5.18	83	1315	0.206	ug/l	88
36) 1,1-Dichloropropene	5.64	75	23729	4.676	ug/l #	50
38) Carbon Tetrachloride	5.63	117	31683	5.941	ug/l #	17
44) Trichloroethene	7.20	130	1587	0.331	ug/l	84
49) 1,4-Dioxane	7.73	88	331	3.108	ug/l #	63
65) Chlorobenzene	10.12	112	5586	0.527	ug/l #	86
76) 1,2,3-Trichloropropane	11.12	75	126847	22.469	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	126847	55.271	ug/l #	14
91) 1,2-Dichlorobenzene	12.37	146	1860	0.237	ug/l	93
94) Hexachlorobutadiene	13.77	225	583	0.285	ug/l	87

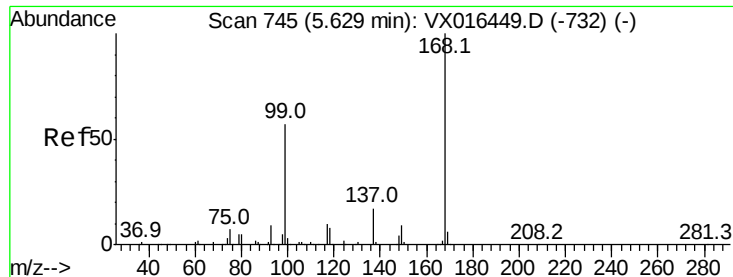
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052820\
Data File : VX016477.D
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Instrument :
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ClientSampleId :
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Quant Time: May 29 03:37:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016477.D

Acq: 28 May 2020 12:07

Instrument :

MSVOA_X

ClientSampleId :

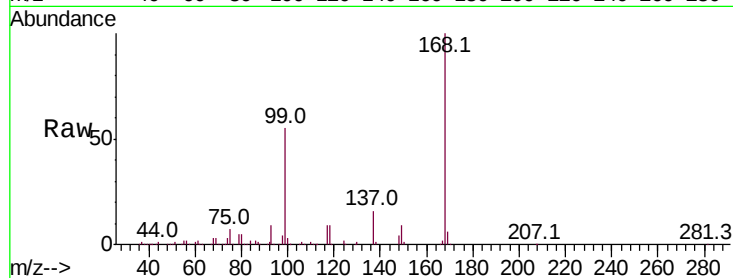
WP021RW245-200520

Tot Ion:168 Resp: 330325

Ion Ratio Lower Upper

168 100

99 54.6 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

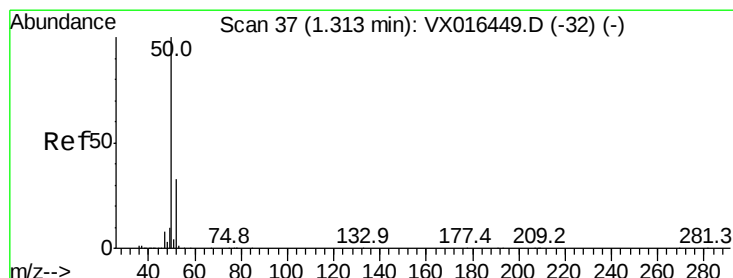
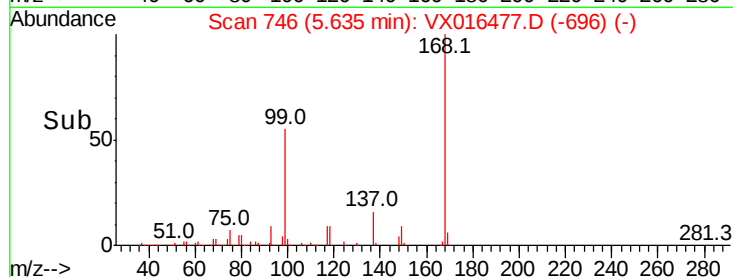
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.375 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016477.D

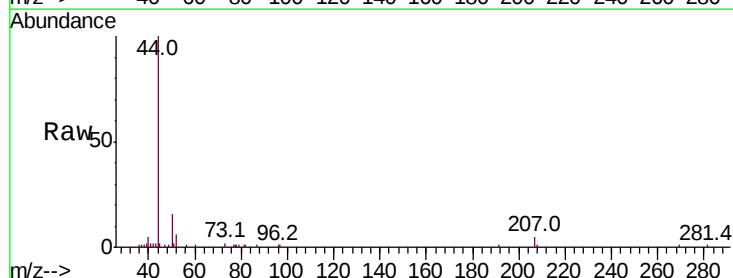
Acq: 28 May 2020 12:07

Tgt Ion: 50 Resp: 1472

Ion Ratio Lower Upper

50 100

52 35.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

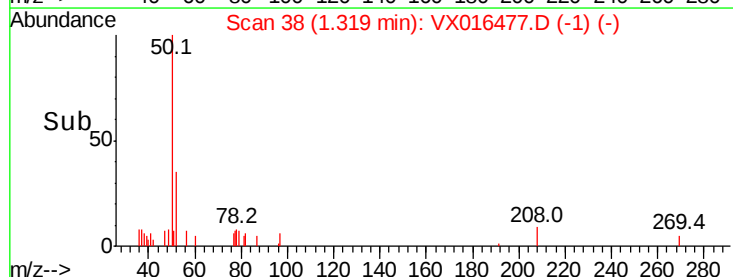
1000

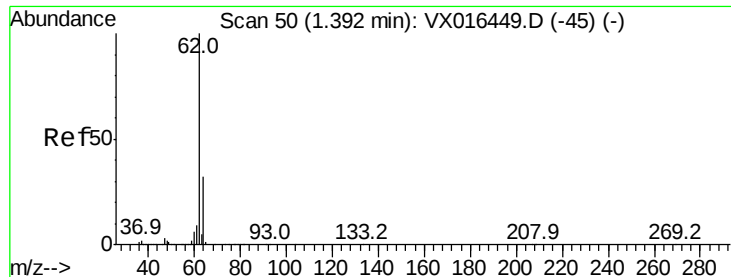
500

0

1.30 1.35

Time-->





#4

Vinyl Chloride

Concen: 0.538 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016477.D

Acq: 28 May 2020 12:07

Instrument :

MSVOA_X

ClientSampleId :

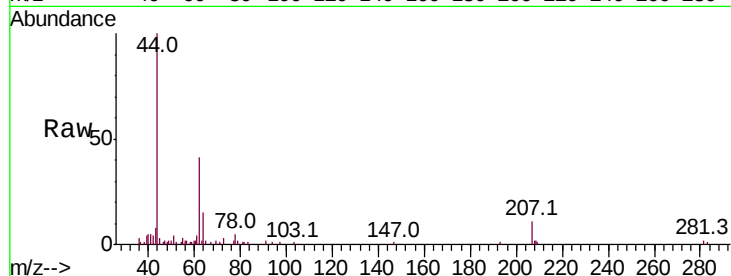
WP021RW245-200520

Tot Ion: 62 Resp: 2236

Ion Ratio Lower Upper

62 100

64 37.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

2500

2000

1500

1000

500

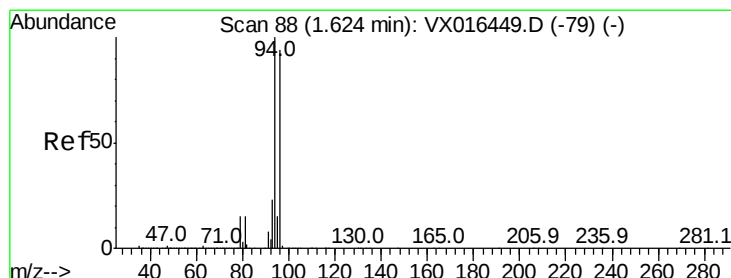
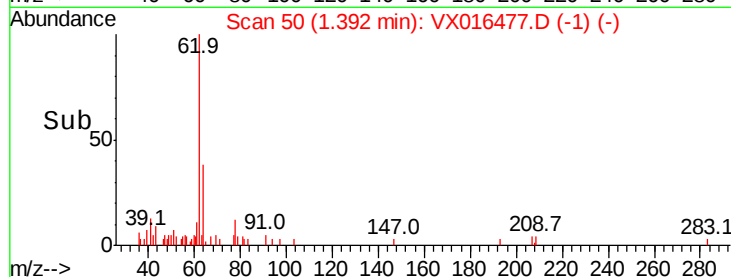
0

Time-->

1.35

1.40

1.45



#5

Bromomethane

Concen: 0.303 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016477.D

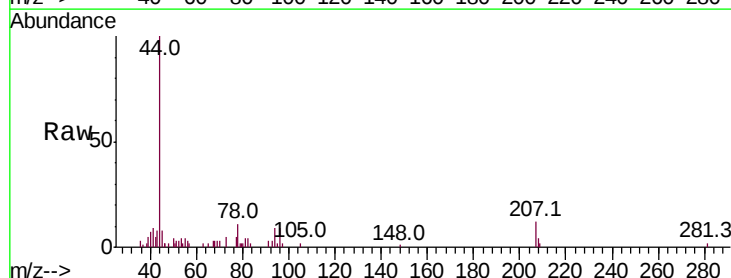
Acq: 28 May 2020 12:07

Tgt Ion: 94 Resp: 613

Ion Ratio Lower Upper

94 100

96 78.0 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

500

400

300

200

100

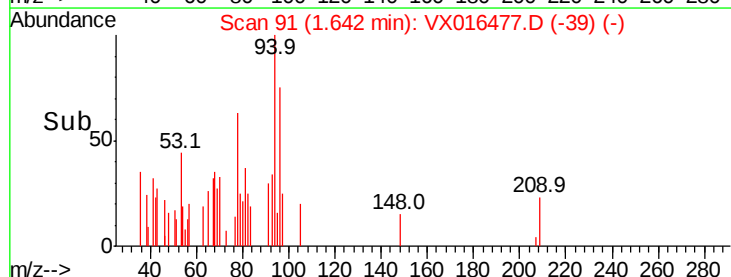
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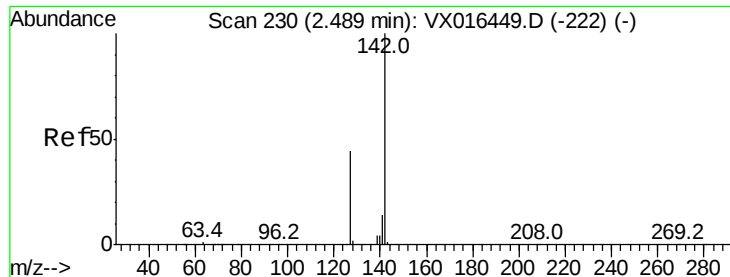
Time-->

1.60

1.65

1.70

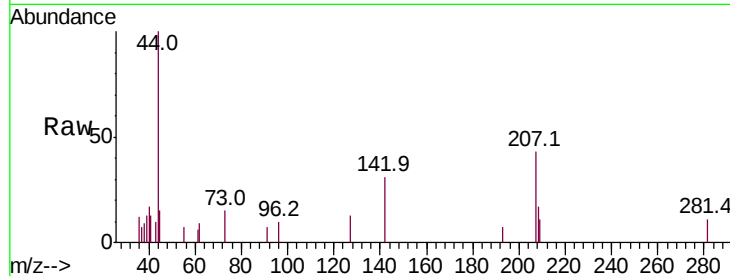




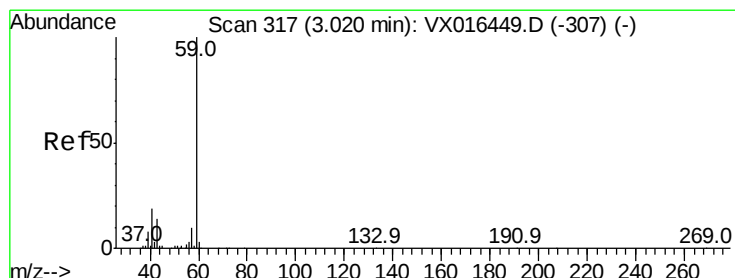
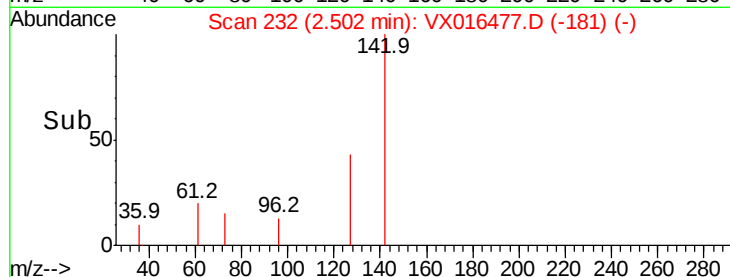
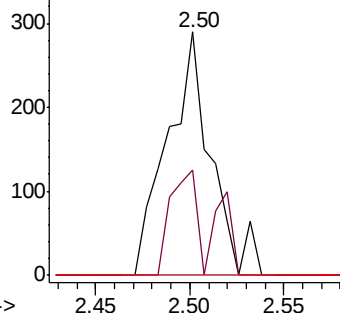
#10
Methyl Iodide
Concen: 3.177 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX016477.D
Acq: 28 May 2020 12:07

Instrument :
MSVOA_X
ClientSampleId :
WP021RW245-200520

Tot Ion:142 Resp: 464
Ion Ratio Lower Upper
142 100
127 25.9 35.3 52.9#
141 0.0 11.4 17.2#

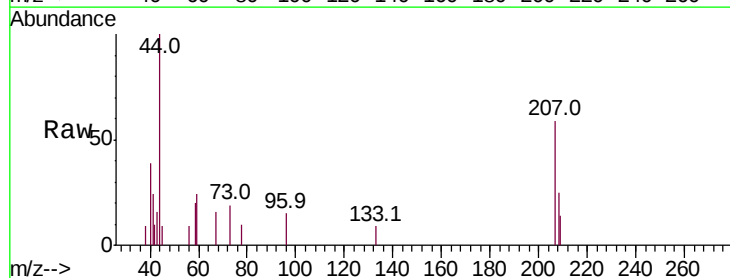


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

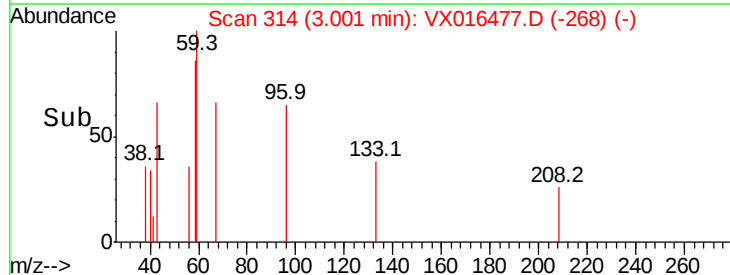
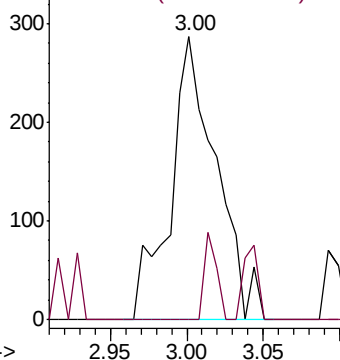


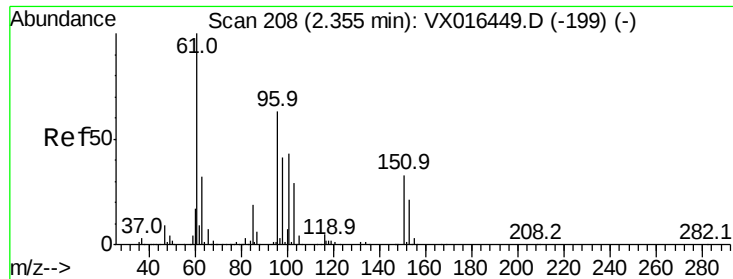
#11
Tert butyl alcohol
Concen: 0.568 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016477.D
Acq: 28 May 2020 12:07

Tgt Ion: 59 Resp: 597
Ion Ratio Lower Upper
59 100
57 8.7 8.2 12.4



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





#12

1,1-Dichloroethene

Concen: 0.388 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX016477.D

Acq: 28 May 2020 12:07

Instrument :

MSVOA_X

ClientSampleId :

WP021RW245-200520

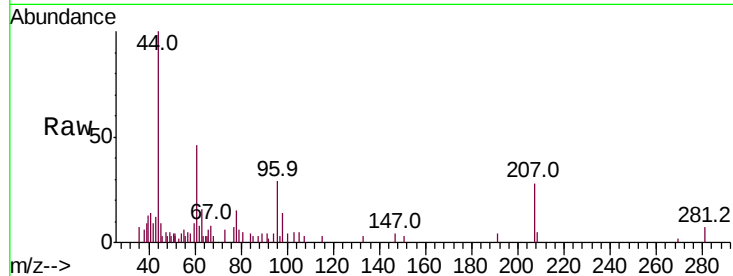
Tot Ion: 96 Resp: 1234

Ion Ratio Lower Upper

96 100

61 166.1 126.6 189.8

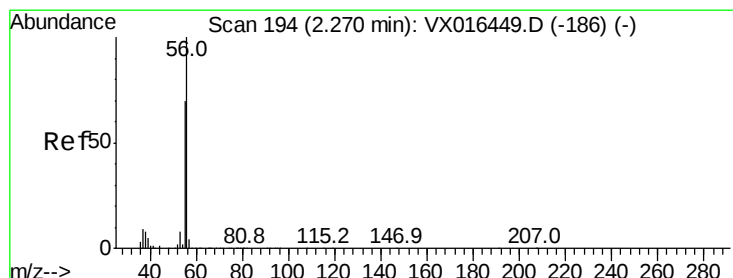
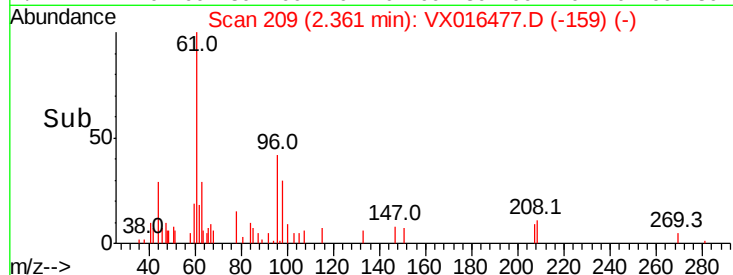
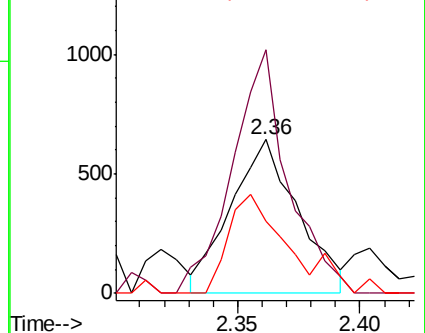
98 52.8 51.3 76.9



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



#13

Acrolein

Concen: 0.539 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016477.D

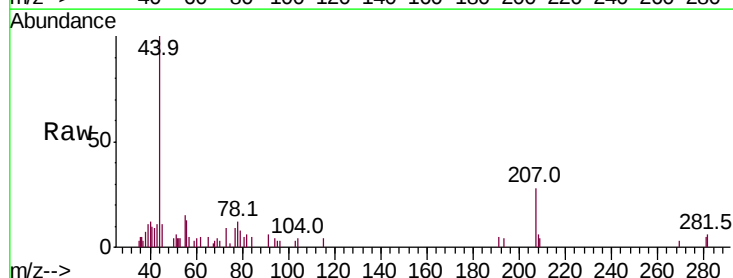
Acq: 28 May 2020 12:07

Tgt Ion: 56 Resp: 241

Ion Ratio Lower Upper

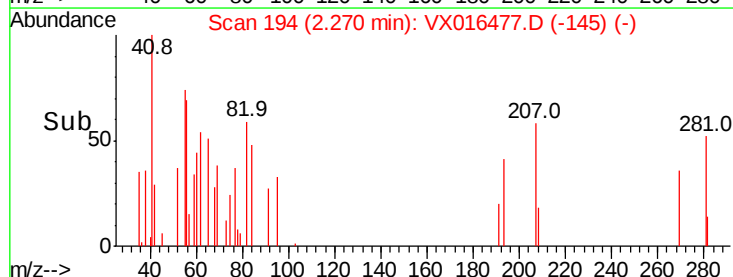
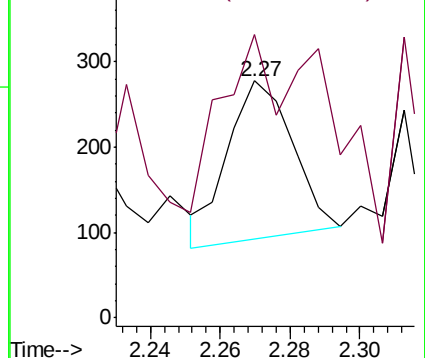
56 100

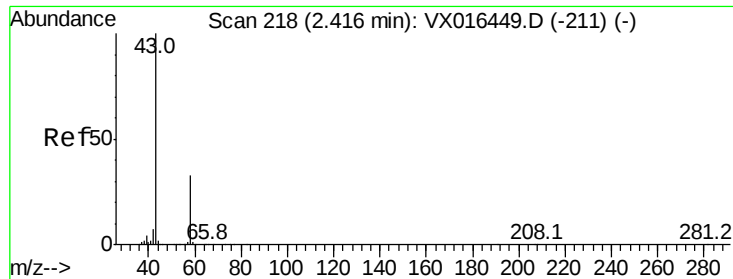
55 213.3 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 3.193 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016477.D

Acq: 28 May 2020 12:07

Instrument :

MSVOA_X

ClientSampleId :

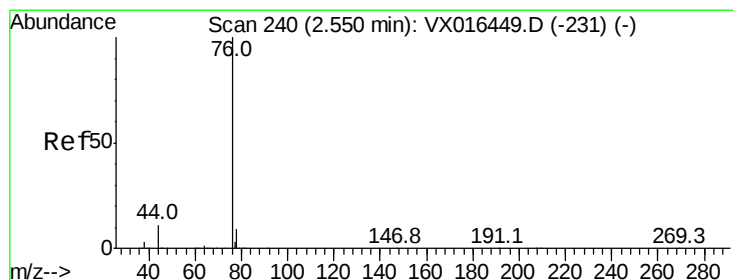
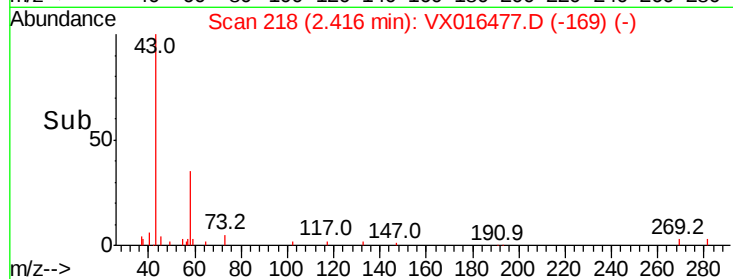
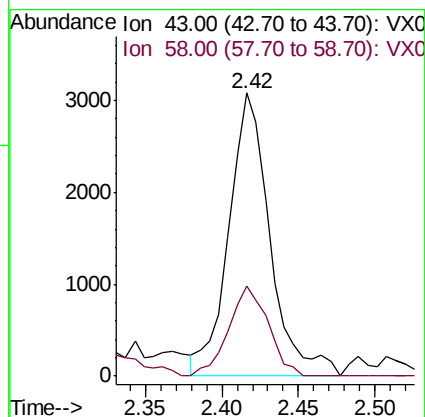
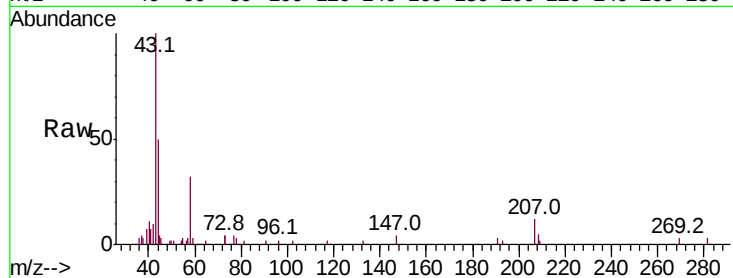
WP021RW245-200520

Tot Ion: 43 Resp: 5739

Ion Ratio Lower Upper

43 100

58 31.7 26.1 39.1



#17

Carbon Disulfide

Concen: 0.247 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016477.D

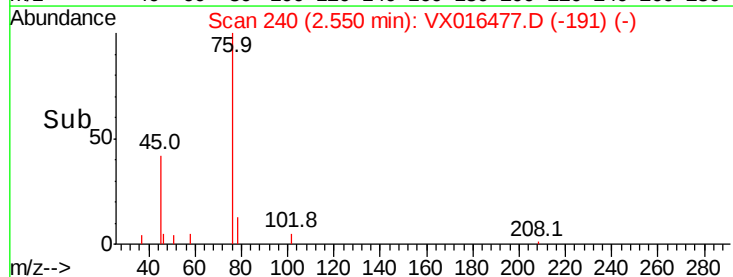
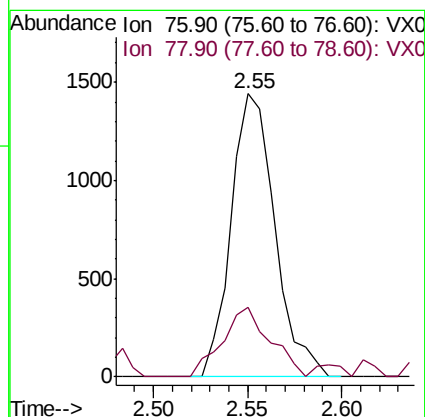
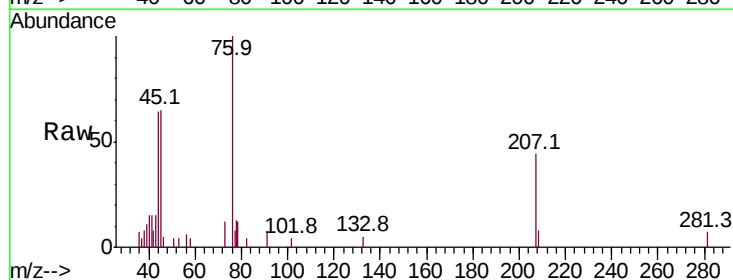
Acq: 28 May 2020 12:07

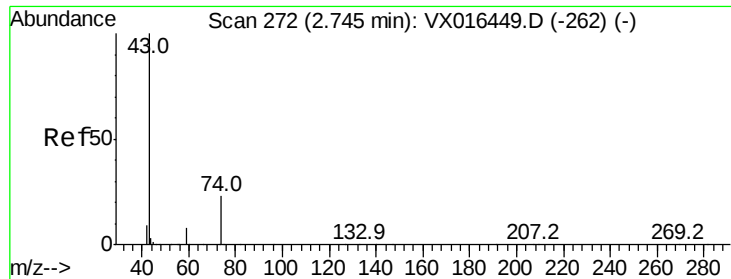
Tgt Ion: 76 Resp: 2330

Ion Ratio Lower Upper

76 100

78 24.8 7.4 11.0#

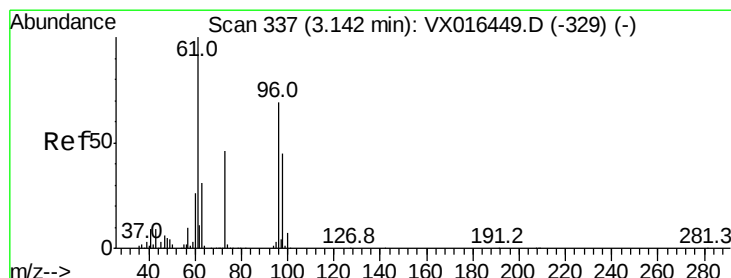
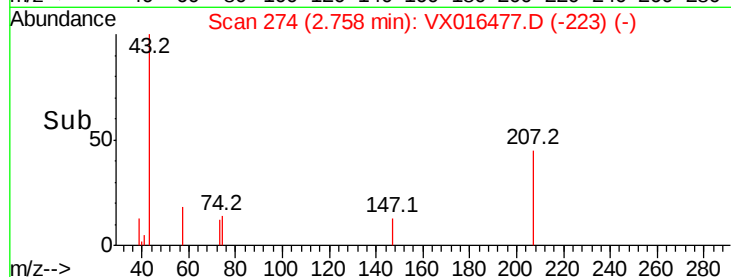
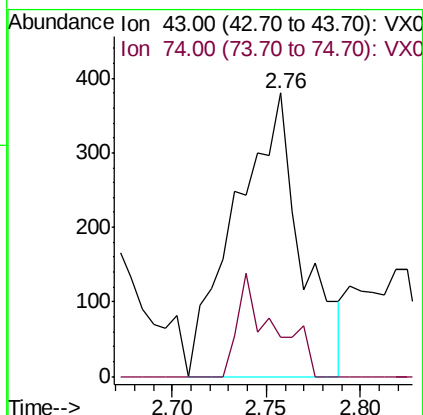
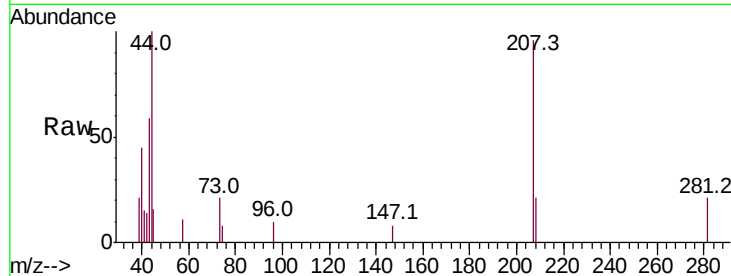




#18
Methyl Acetate
Concen: 0.201 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX016477.D
Acq: 28 May 2020 12:07

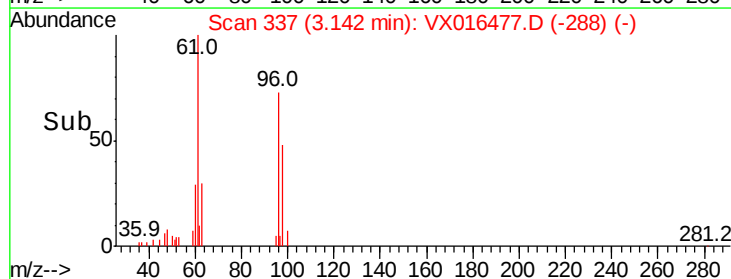
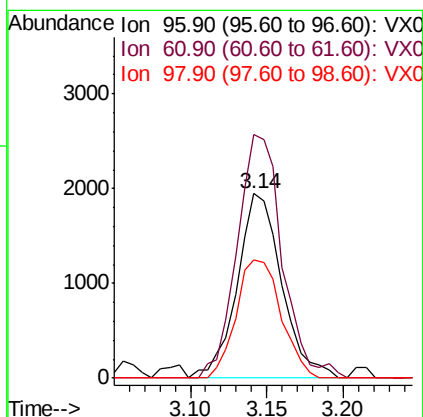
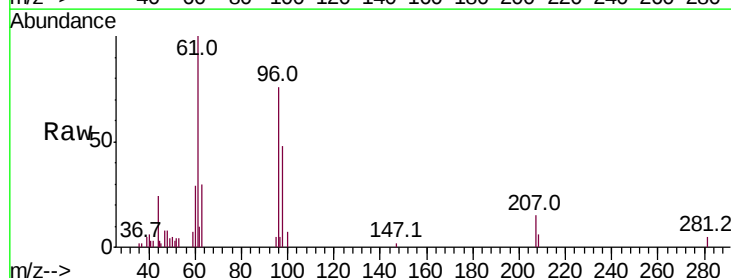
Instrument :
MSVOA_X
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WP021RW245-200520

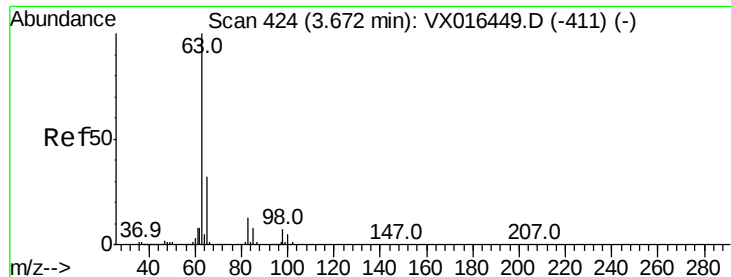
Tot Ion: 43 Resp: 925
Ion Ratio Lower Upper
43 100
74 20.0 19.7 29.5



#21
trans-1,2-Dichloroethene
Concen: 1.123 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX016477.D
Acq: 28 May 2020 12:07

Tgt Ion: 96 Resp: 3948
Ion Ratio Lower Upper
96 100
61 132.1 115.3 172.9
98 64.0 51.9 77.9





#24

1,1-Dichloroethane

Concen: 3.112 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016477.D

Acq: 28 May 2020 12:07

Instrument :

MSVOA_X

ClientSampleId :

WP021RW245-200520

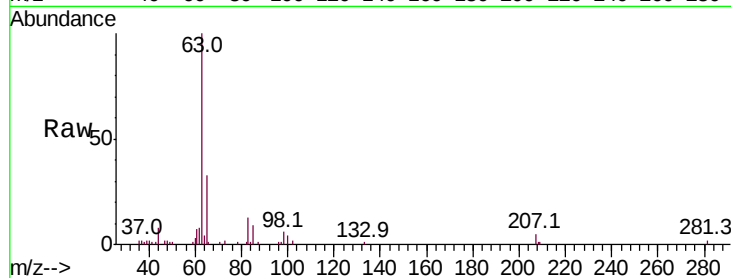
Tot Ion: 63 Resp: 19725

Ion Ratio Lower Upper

63 100

98 6.2 3.6 10.9

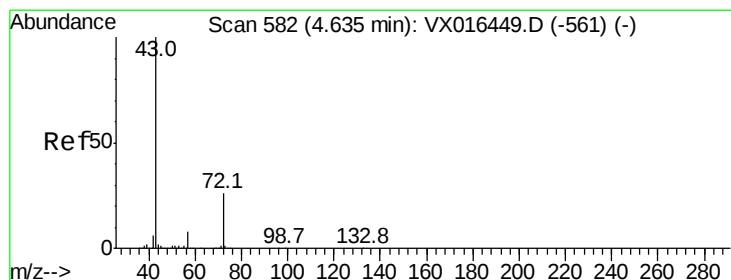
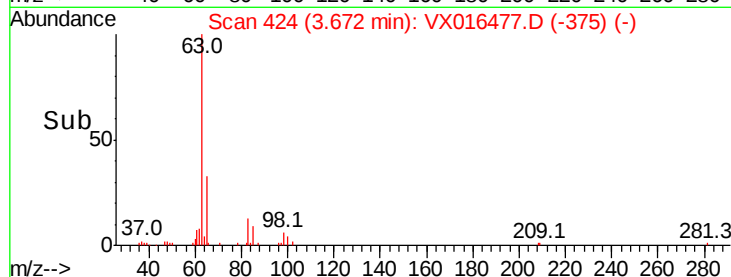
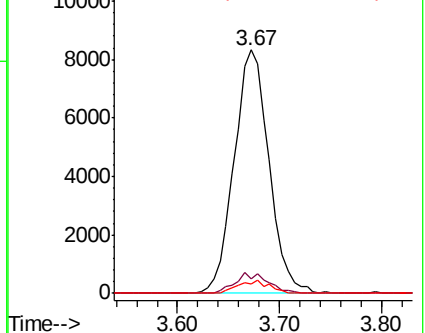
100 4.1 2.4 7.1



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



#25

2-Butanone

Concen: 0.353 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX016477.D

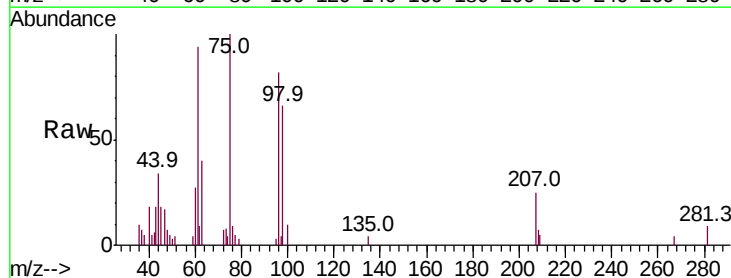
Acq: 28 May 2020 12:07

Tgt Ion: 43 Resp: 1074

Ion Ratio Lower Upper

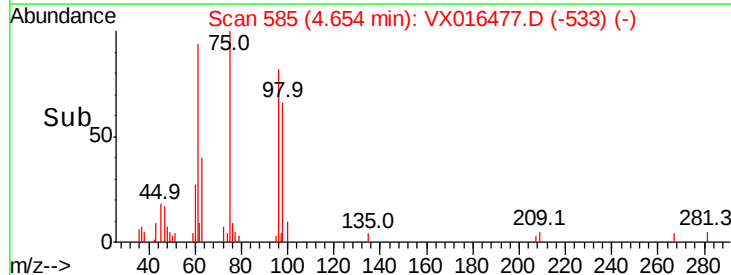
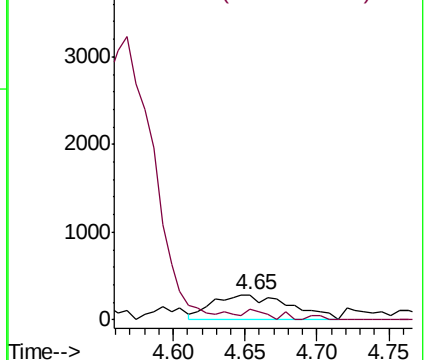
43 100

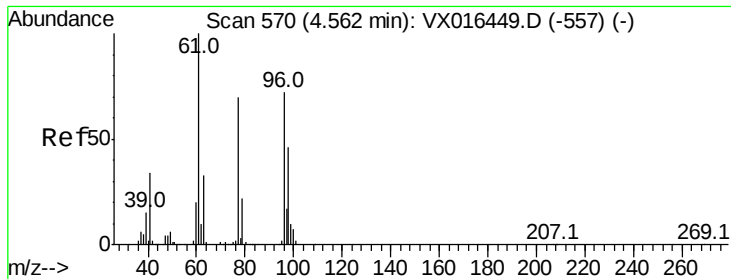
72 40.7 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



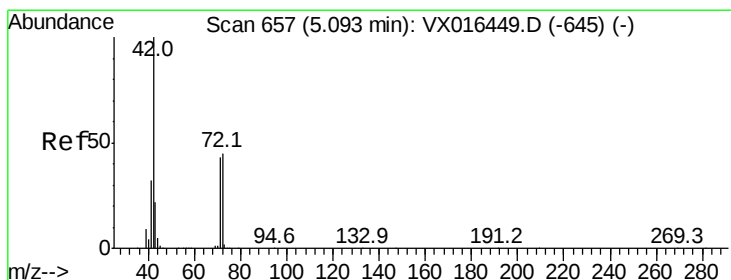
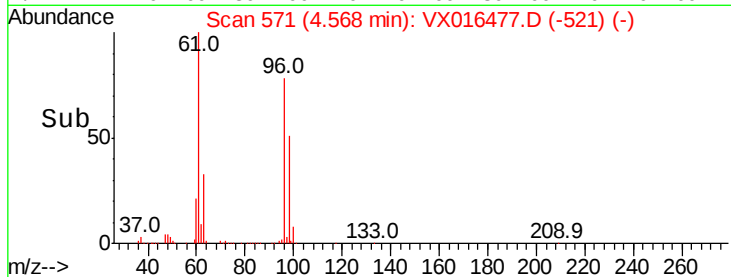
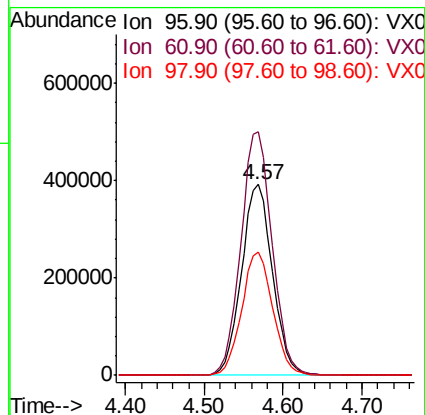
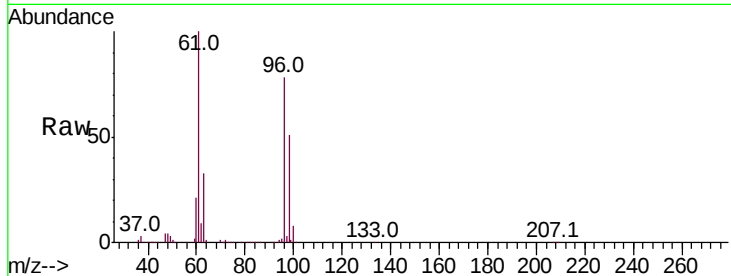


#27

cis-1,2-Dichloroethene
 Concen: 263.898 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX016477.D
 Acq: 28 May 2020 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021RW245-200520

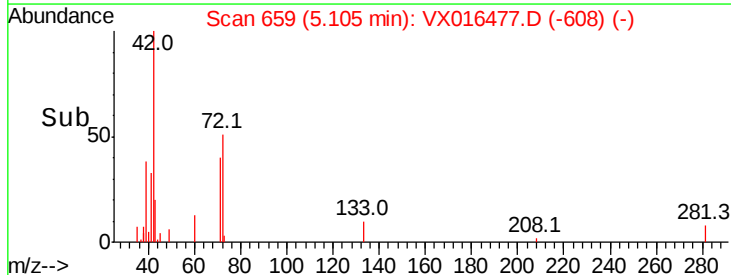
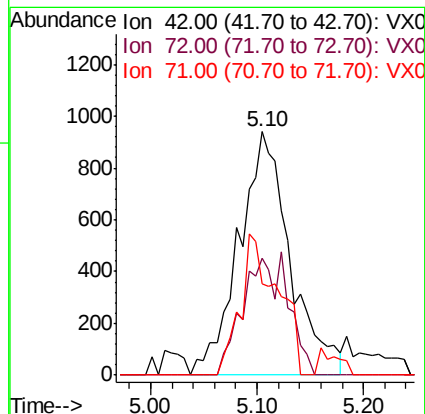
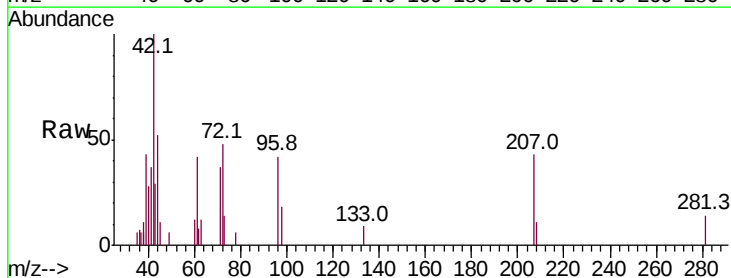
Tot Ion: 96 Resp: 1073330
 Ion Ratio Lower Upper
 96 100
 61 129.2 0.0 284.6
 98 64.7 0.0 127.2

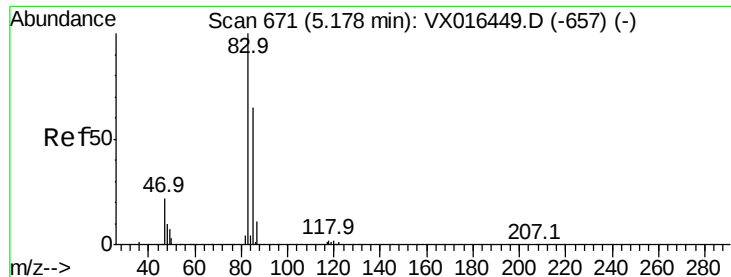


#29

Tetrahydrofuran
 Concen: 1.610 ug/l
 RT: 5.10 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VX016477.D
 Acq: 28 May 2020 12:07

Tgt Ion: 42 Resp: 3167
 Ion Ratio Lower Upper
 42 100
 72 0.0 37.0 55.4#
 71 42.2 34.1 51.1

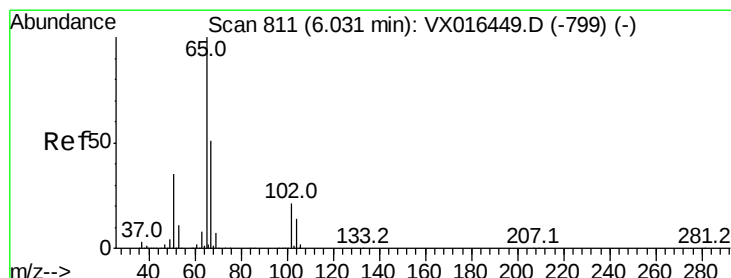
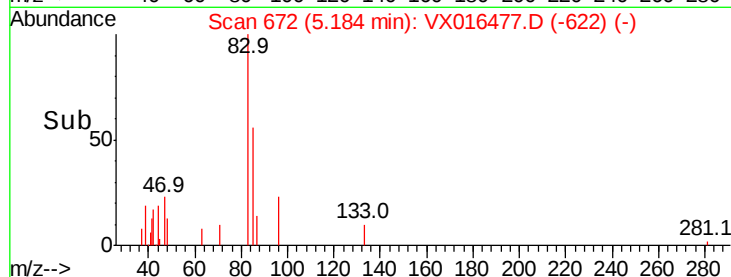
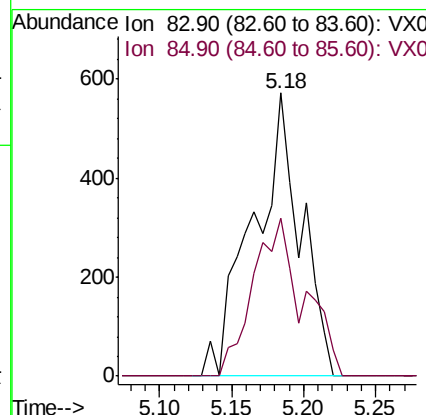
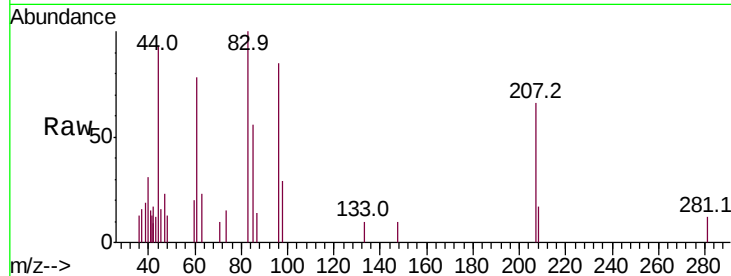




#30
Chloroform
Concen: 0.206 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX016477.D
Acq: 28 May 2020 12:07

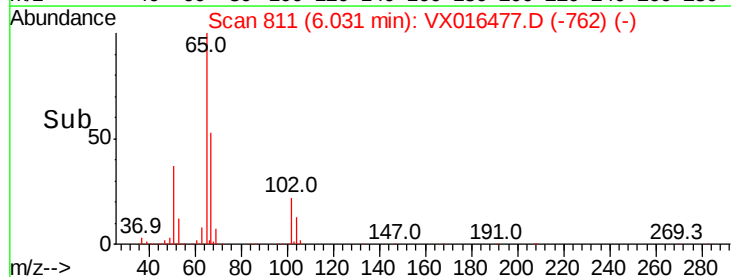
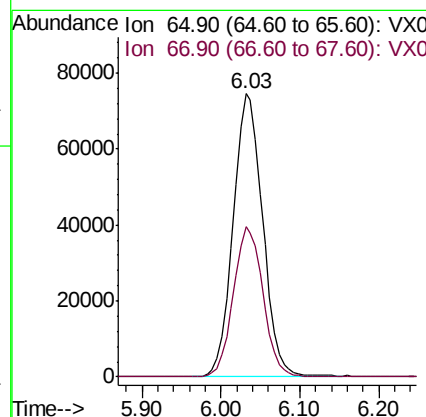
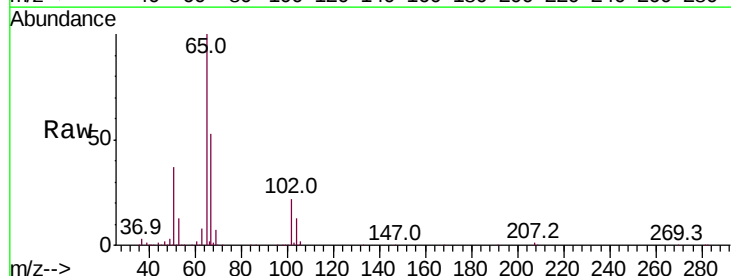
Instrument :
MSVOA_X
ClientSampleId :
WP021RW245-200520

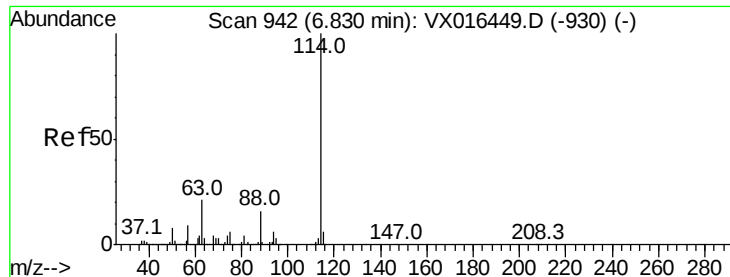
Tot Ion: 83 Resp: 1315
Ion Ratio Lower Upper
83 100
85 55.6 52.0 78.0



#33
1,2-Dichloroethane-d4
Concen: 47.456 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016477.D
Acq: 28 May 2020 12:07

Tgt Ion: 65 Resp: 194673
Ion Ratio Lower Upper
65 100
67 53.2 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: VX016477.D

Acq: 28 May 2020 12:07

Instrument :

MSVOA_X

ClientSampleId :

WP021RW245-200520

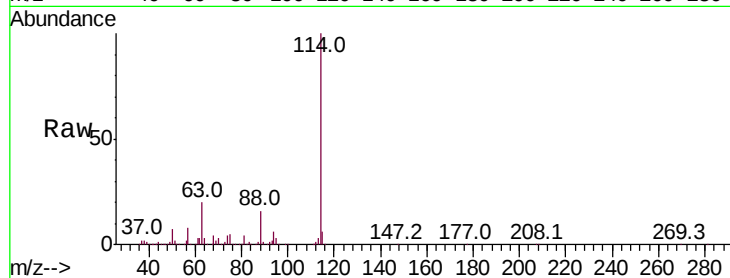
Tot Ion:114 Resp: 535965

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

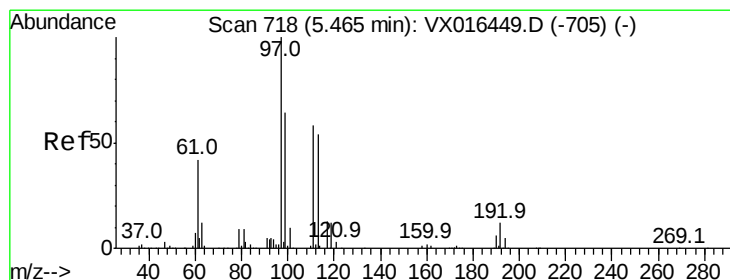
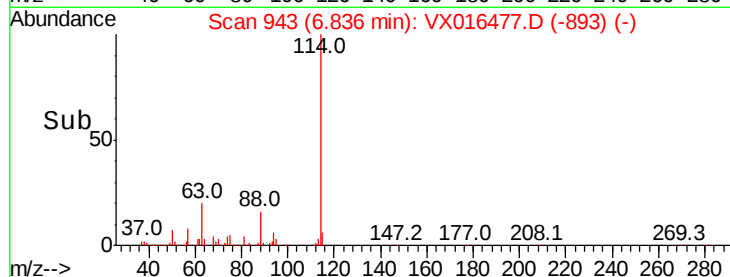
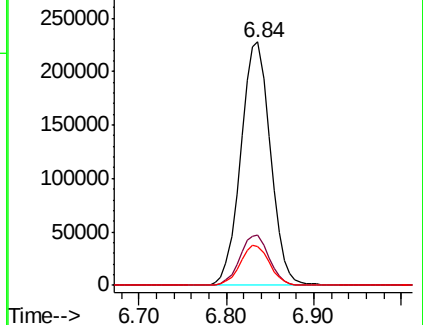
88 15.8 0.0 32.8



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



#35

Dibromofluoromethane

Concen: 47.087 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016477.D

Acq: 28 May 2020 12:07

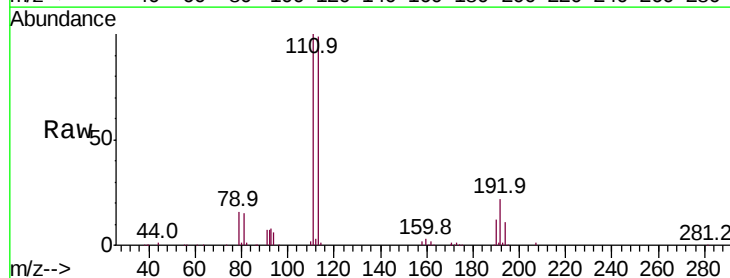
Tgt Ion:113 Resp: 155394

Ion Ratio Lower Upper

113 100

111 101.8 83.0 124.6

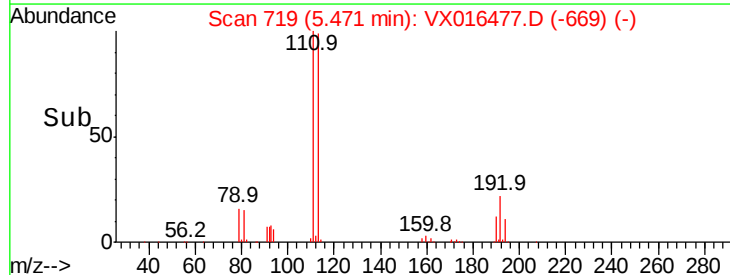
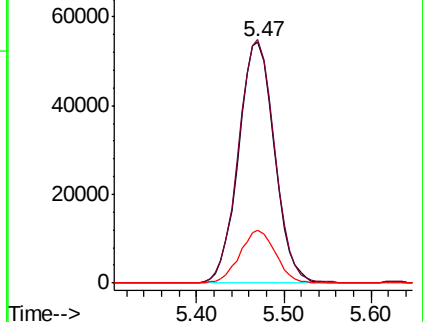
192 21.9 17.7 26.5

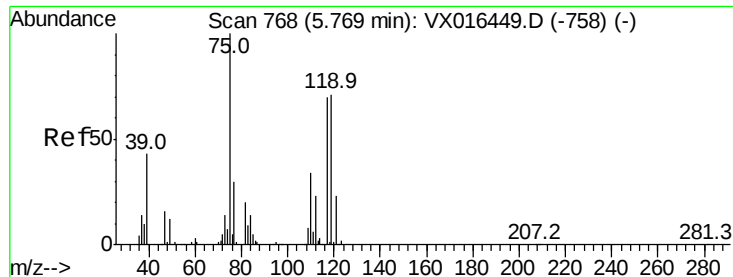


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

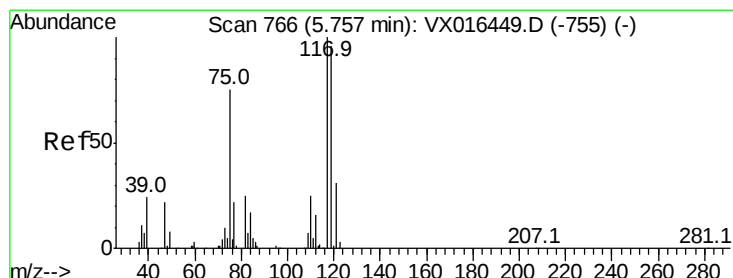
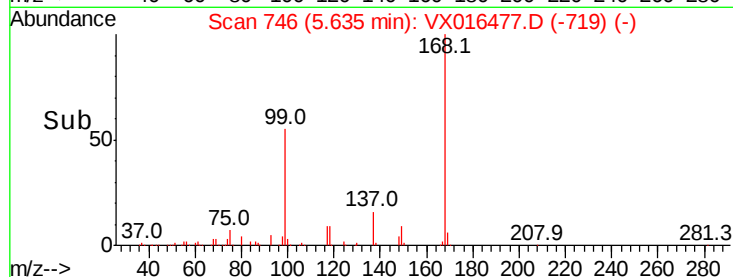
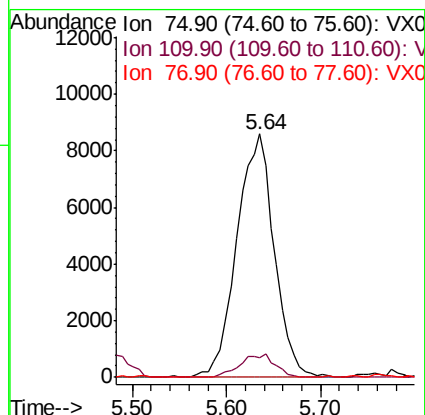
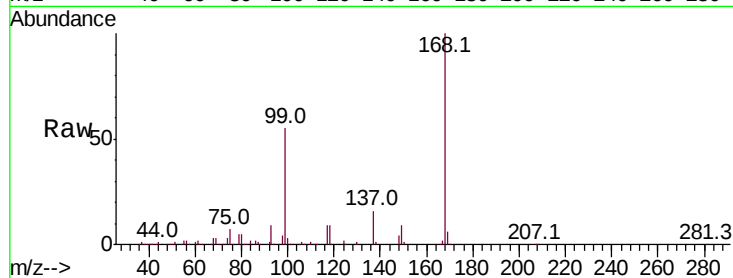




#36
 1,1-Dichloropropene
 Concen: 4.676 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016477.D
 Acq: 28 May 2020 12:07

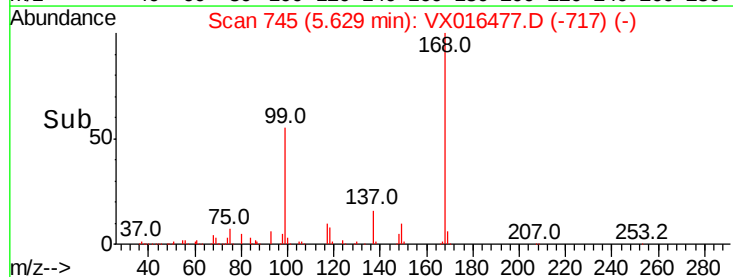
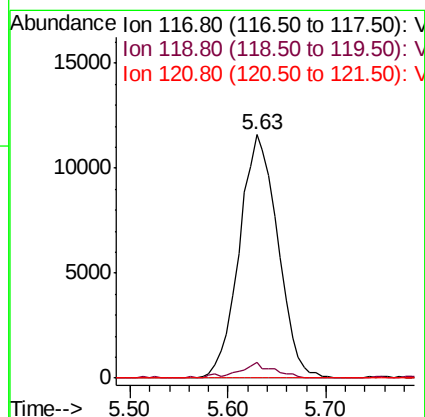
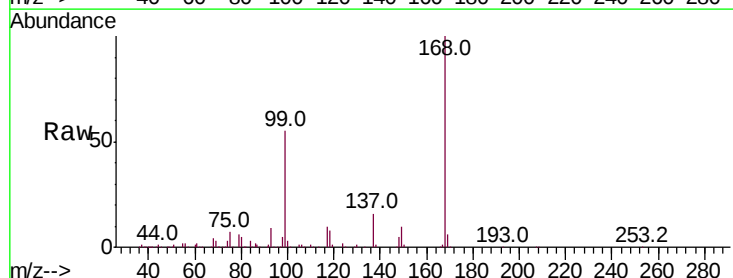
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021RW245-200520

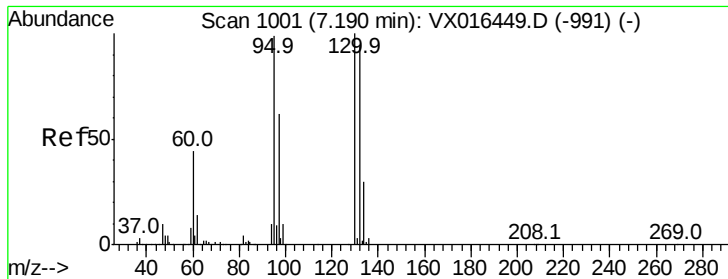
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.4	52.3#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 5.941 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016477.D
 Acq: 28 May 2020 12:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	76.3	114.5#
121	0.0	24.6	37.0#





#44

Trichloroethene

Concen: 0.331 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX016477.D

Acq: 28 May 2020 12:07

Instrument :

MSVOA_X

ClientSampleId :

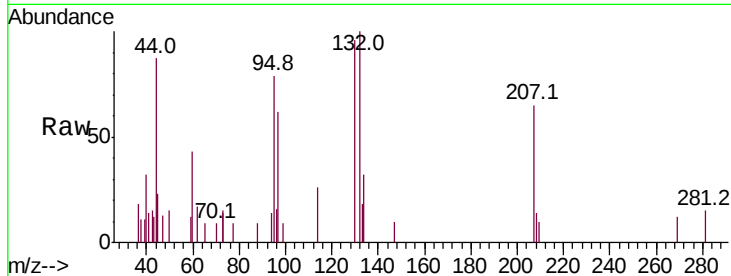
WP021RW245-200520

Tot Ion:130 Resp: 1587

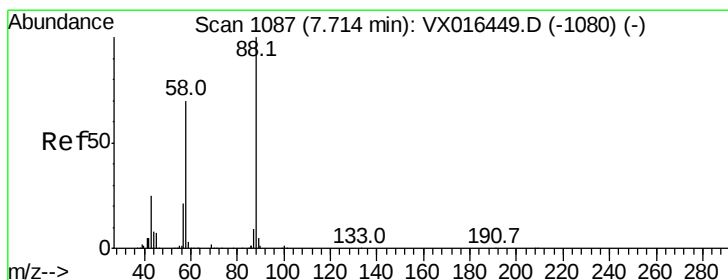
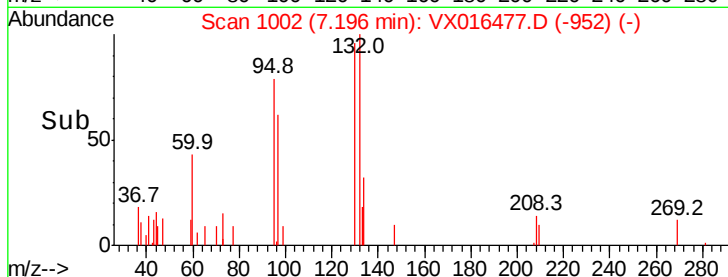
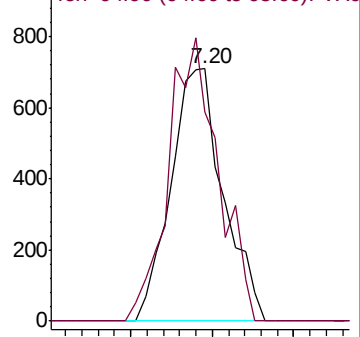
Ion Ratio Lower Upper

130 100

95 82.8 0.0 198.2



Abundance Ion 129.80 (129.50 to 130.50): V



#49

1,4-Dioxane

Concen: 3.108 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX016477.D

Acq: 28 May 2020 12:07

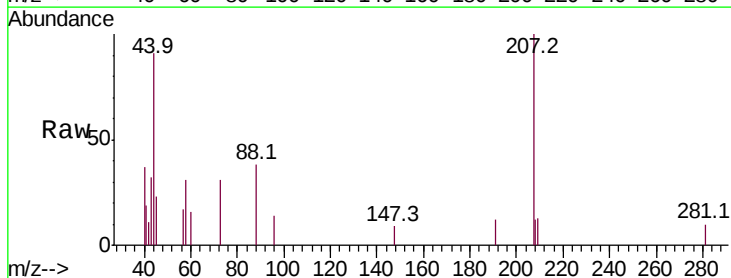
Tgt Ion: 88 Resp: 331

Ion Ratio Lower Upper

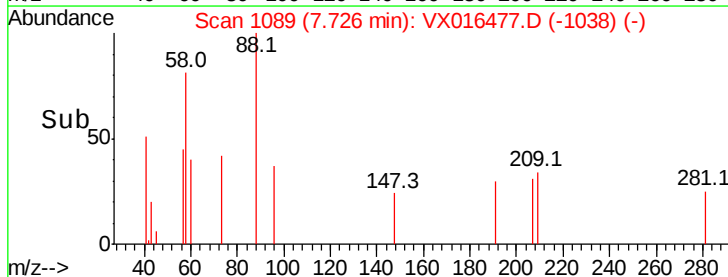
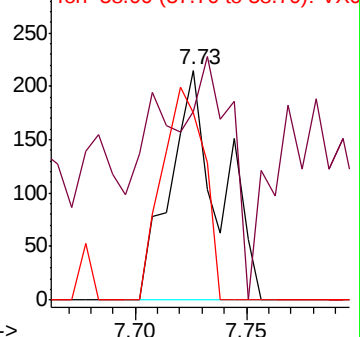
88 100

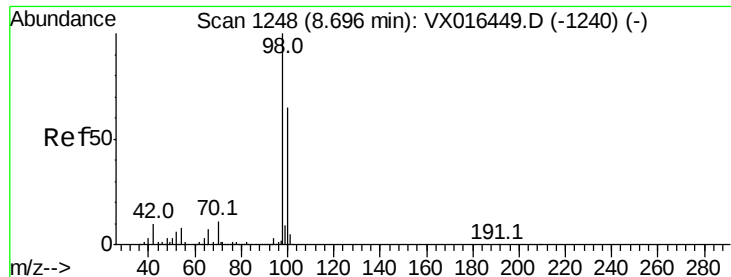
43 84.0 24.2 36.4#

58 79.8 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VX0





#50

Toluene-d8

Concen: 50.984 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016477.D

Acq: 28 May 2020 12:07

Instrument :

MSVOA_X

ClientSampleId :

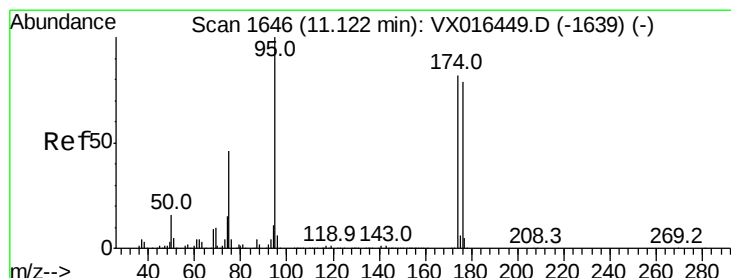
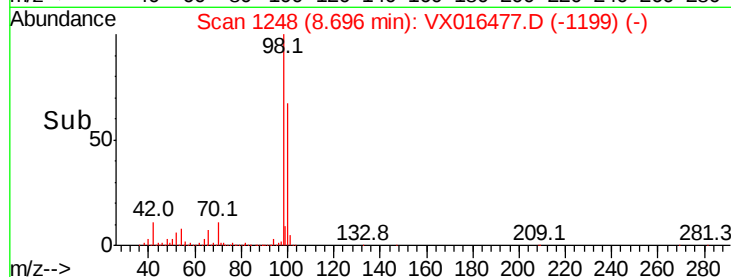
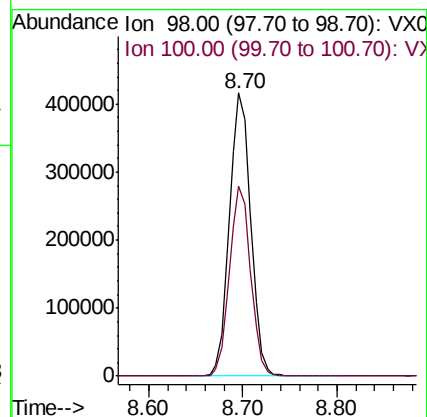
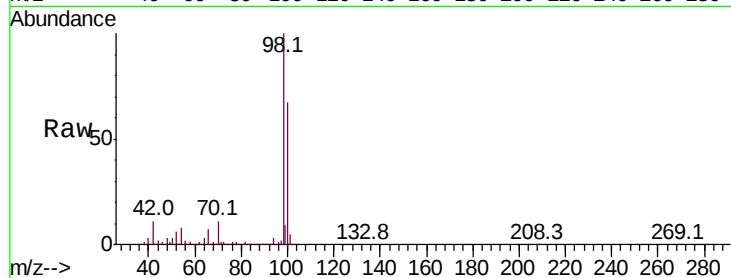
WP021RW245-200520

Tot Ion: 98 Resp: 654888

Ion Ratio Lower Upper

98 100

100 66.3 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 52.415 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016477.D

Acq: 28 May 2020 12:07

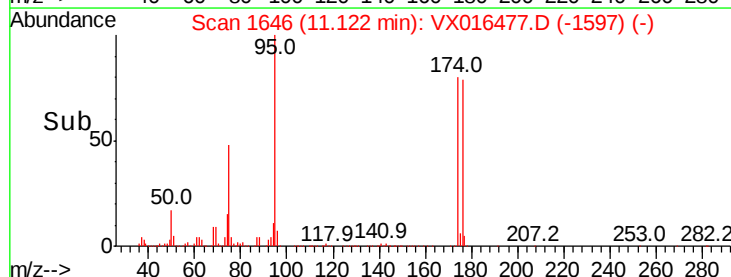
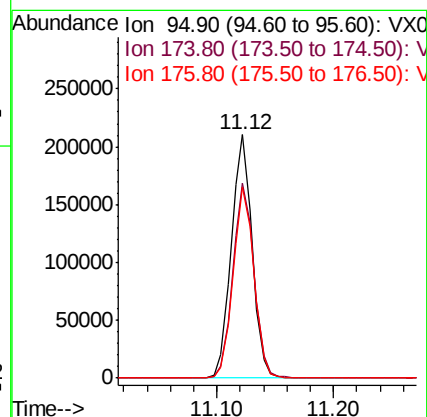
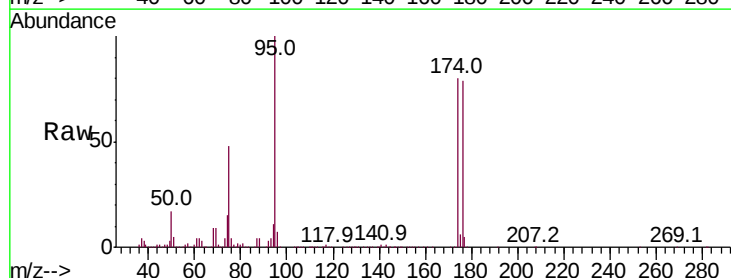
Tgt Ion: 95 Resp: 260149

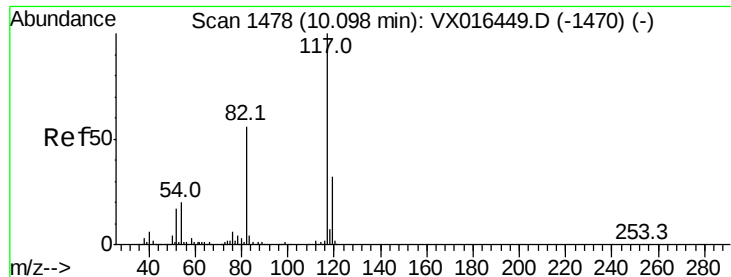
Ion Ratio Lower Upper

95 100

174 81.4 0.0 163.0

176 79.0 0.0 156.8

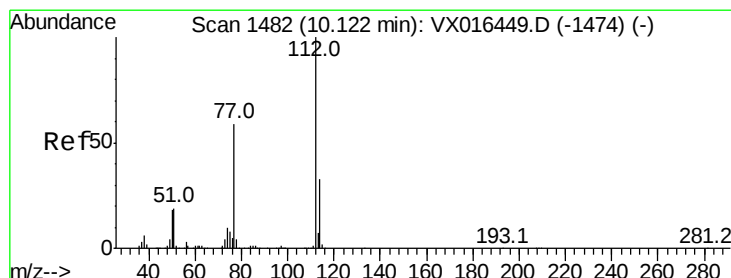
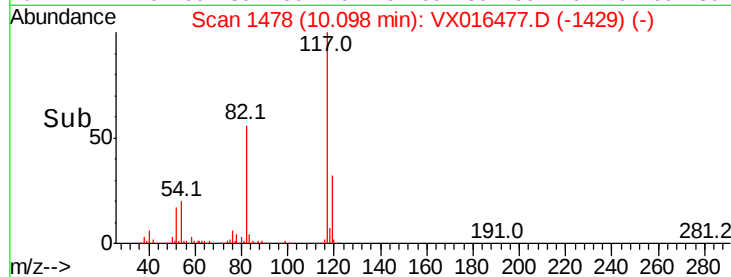
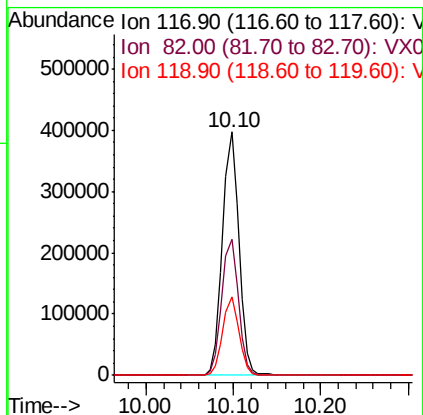
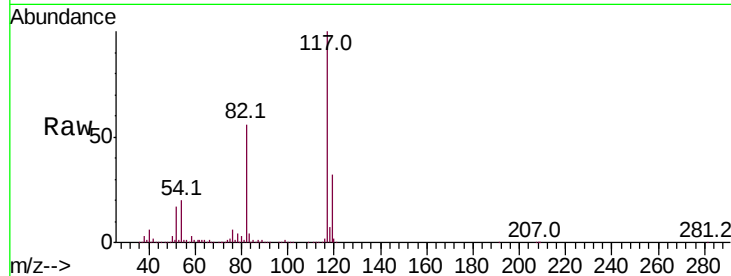




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016477.D
Acq: 28 May 2020 12:07

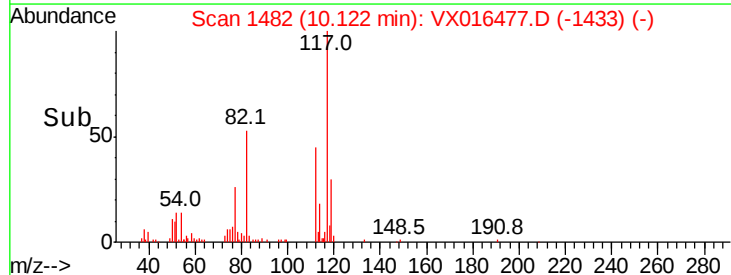
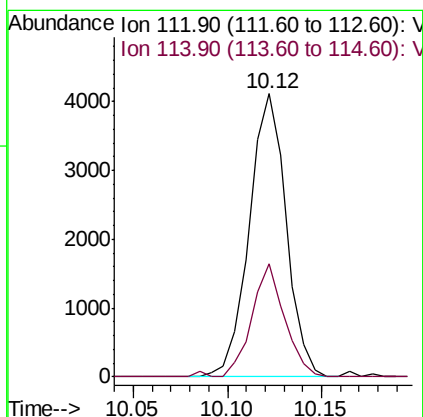
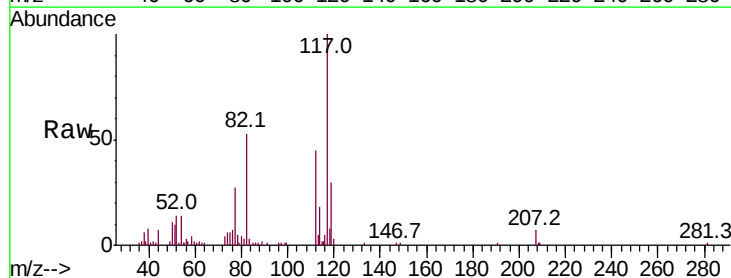
Instrument :
MSVOA_X
ClientSampleId :
WP021RW245-200520

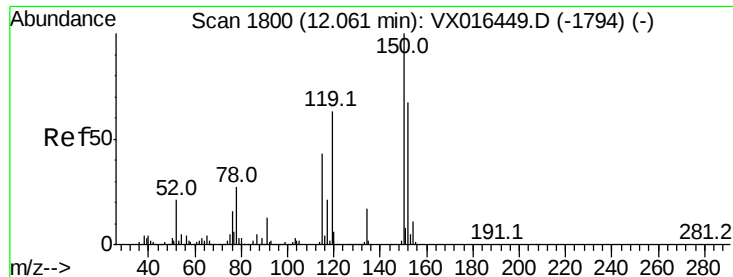
Tot Ion:117 Resp: 519677
Ion Ratio Lower Upper
117 100
82 55.9 45.0 67.6
119 32.2 25.8 38.8



#65
Chlorobenzene
Concen: 0.527 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016477.D
Acq: 28 May 2020 12:07

Tgt Ion:112 Resp: 5586
Ion Ratio Lower Upper
112 100
114 40.1 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: VX016477.D

Acq: 28 May 2020 12:07

Instrument :

MSVOA_X

ClientSampleId :

WP021RW245-200520

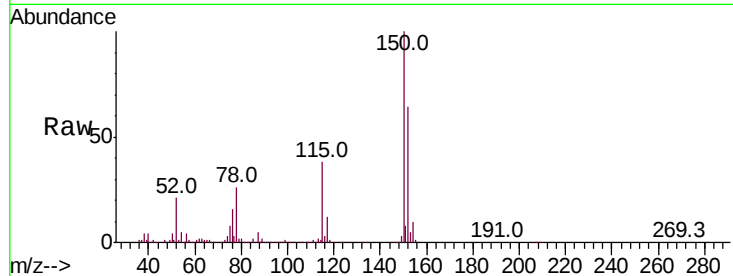
Tot Ion:152 Resp: 256835

Ion Ratio Lower Upper

152 100

115 58.2 39.9 119.6

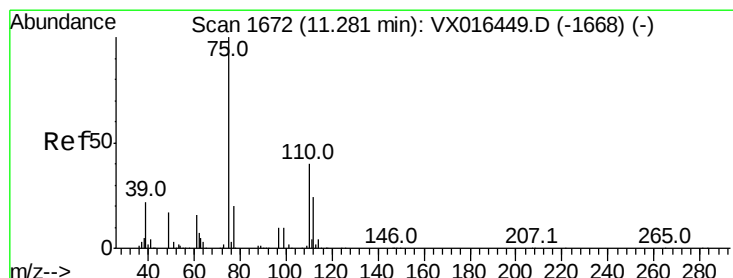
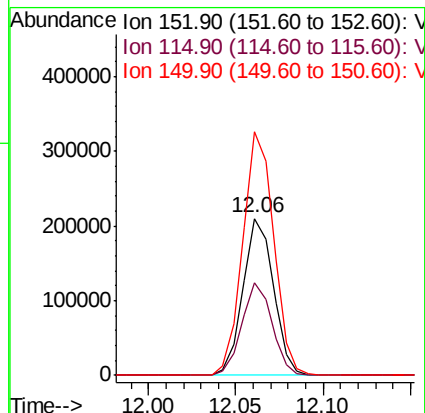
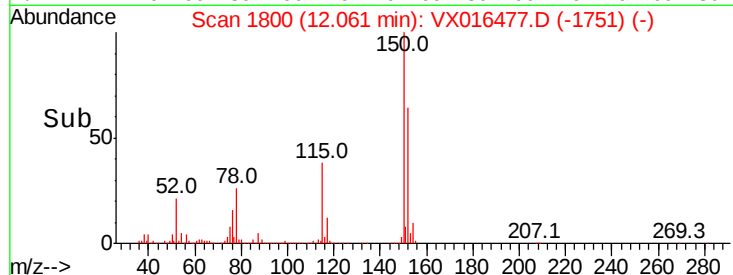
150 156.7 0.0 341.0



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: 22.469 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016477.D

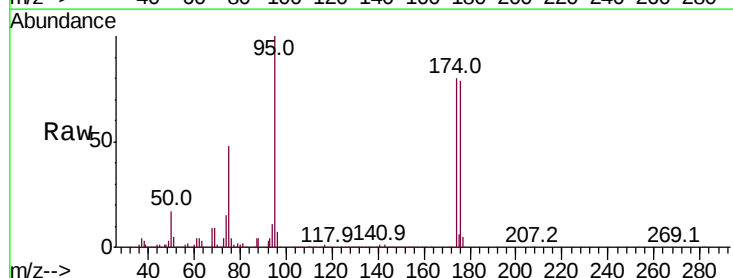
Acq: 28 May 2020 12:07

Tgt Ion: 75 Resp: 126847

Ion Ratio Lower Upper

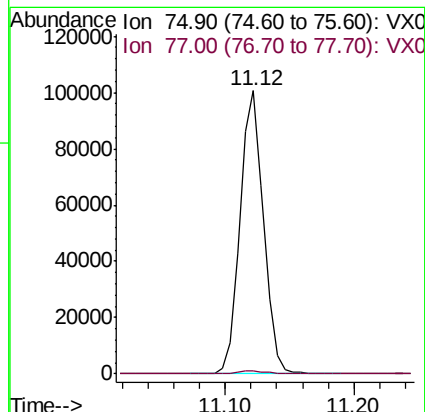
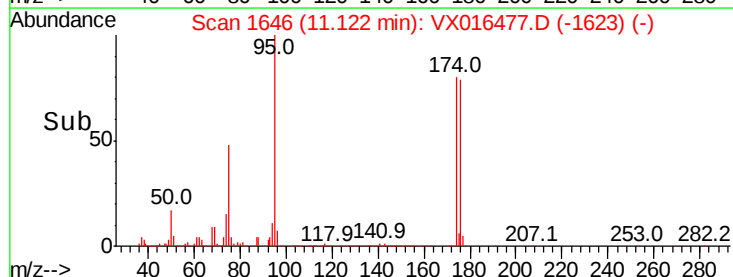
75 100

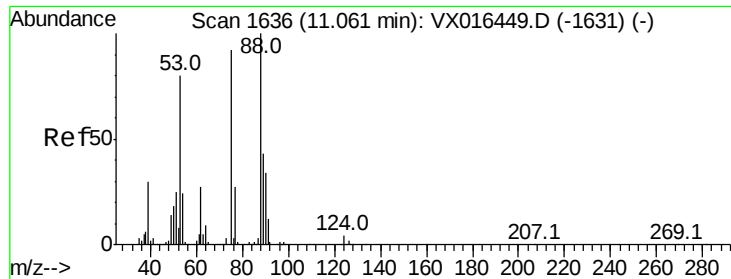
77 1.2 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

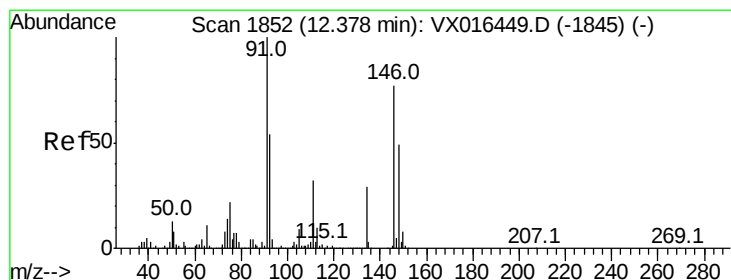
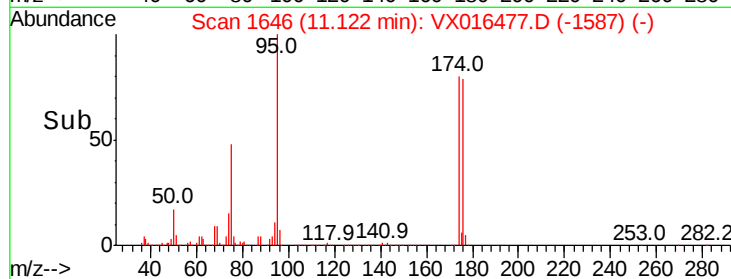
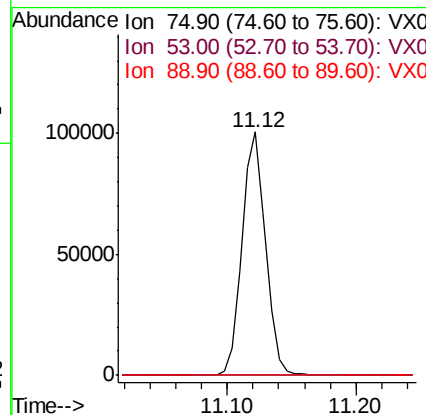
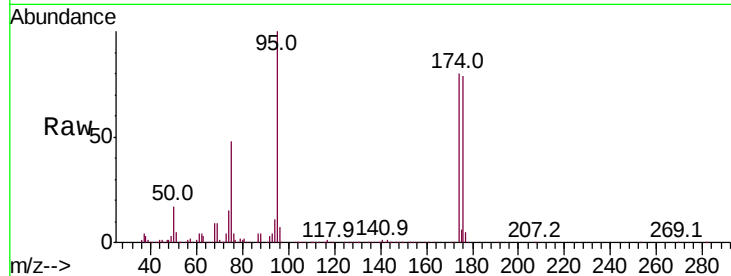




#81
trans-1,4-Dichloro-2-butene
Concen: 55.271 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016477.D
Acq: 28 May 2020 12:07

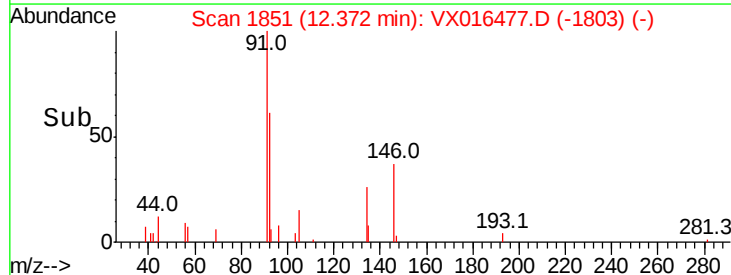
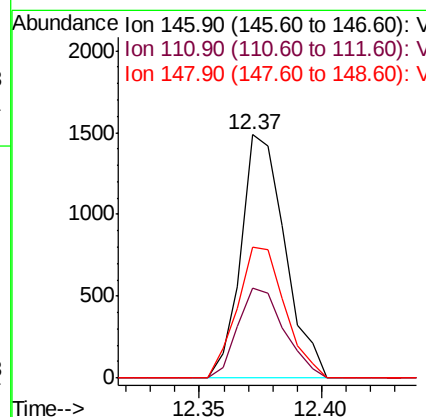
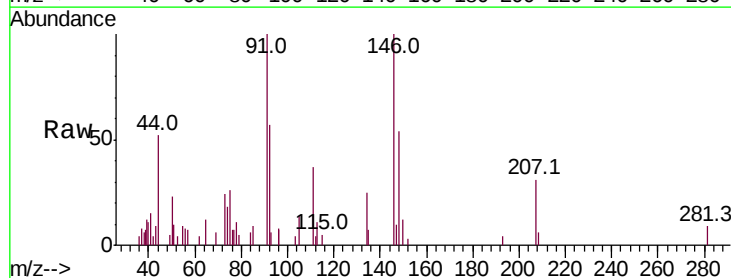
Instrument :
MSVOA_X
ClientSampleId :
WP021RW245-200520

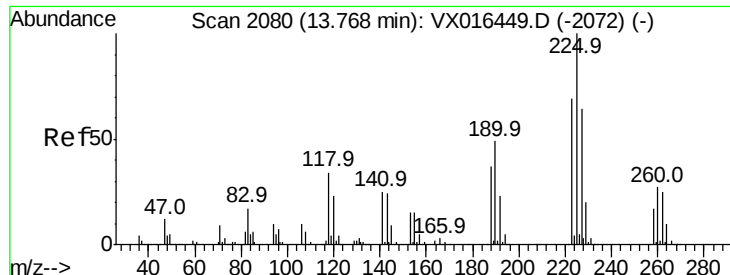
Tot Ion: 75 Resp: 126847
Ion Ratio Lower Upper
75 100
53 0.1 71.3 106.9#
89 0.0 36.6 55.0#



#91
1,2-Dichlorobenzene
Concen: 0.237 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.01 min
Lab File: VX016477.D
Acq: 28 May 2020 12:07

Tgt Ion: 146 Resp: 1860
Ion Ratio Lower Upper
146 100
111 38.9 21.4 64.3
148 58.4 31.9 95.7





#94
 Hexachlorobutadiene
 Concen: 0.285 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016477.D
 Acq: 28 May 2020 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021RW245-200520

Tot Ion	Ratio	Lower	Upper
225	100		
223	57.3	32.3	96.8
227	49.4	31.6	94.7

