

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052820\
 Data File : VX016479.D
 Acq On : 28 May 2020 12:52
 Operator : JC/SP
 Sample : L2730-03DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021RW246-200520DL

Quant Time: May 29 03:38:18 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	296672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	485240	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	478956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	253529	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	179675	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
35) Dibromofluoromethane	5.46	113	147416	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	8.70	98	600420	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
62) 4-Bromofluorobenzene	11.12	95	250056	55.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.30%	

Target Compounds

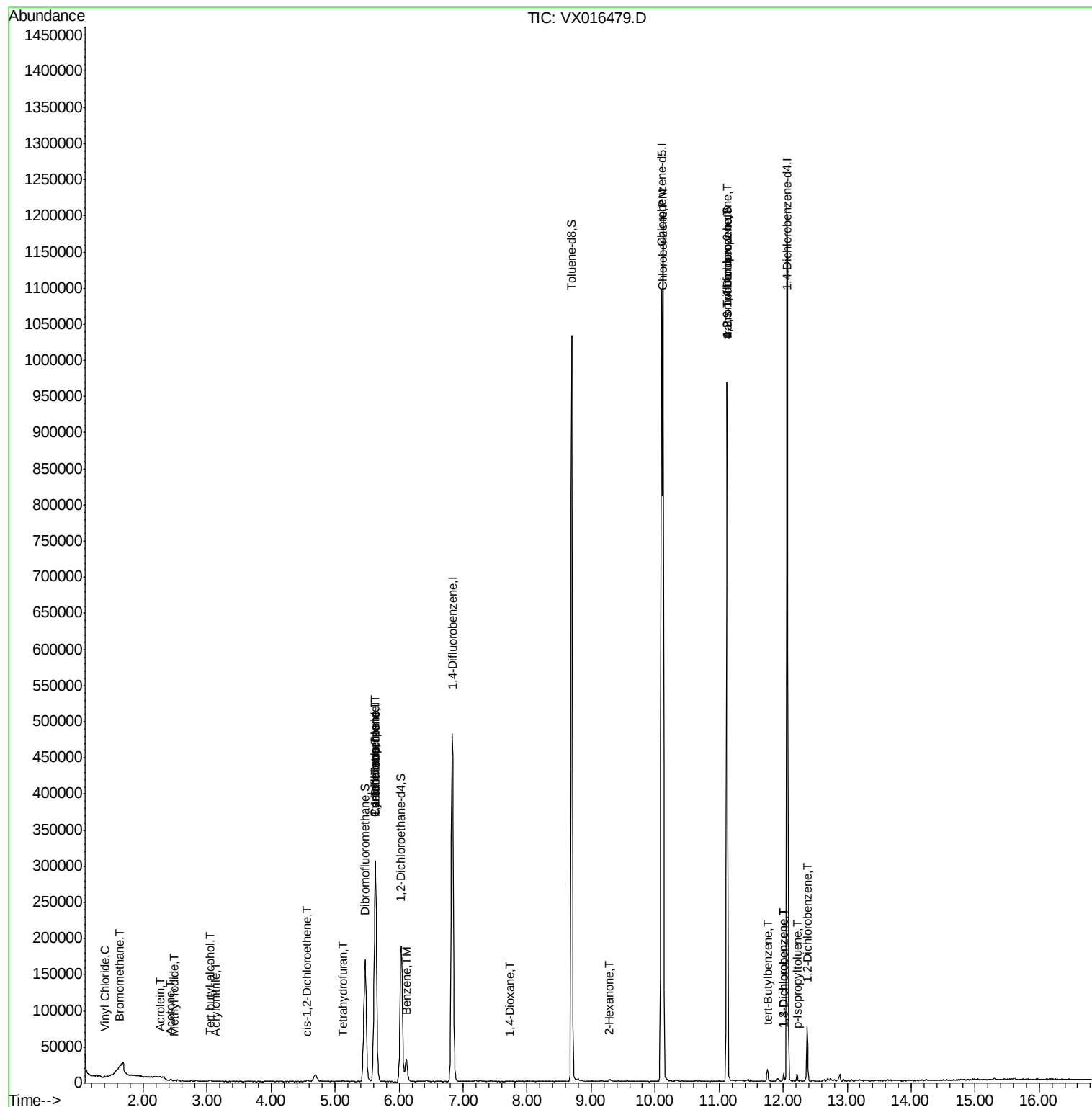
						Qvalue
4) Vinyl Chloride	1.39	62	790	0.212	ug/l	92
5) Bromomethane	1.62	94	681	0.375	ug/l	88
10) Methyl Iodide	2.50	142	637	3.241	ug/l #	88
11) Tert butyl alcohol	3.04	59	2233	2.364	ug/l	97
13) Acrolein	2.28	56	536	1.334	ug/l	83
15) Acrylonitrile	3.12	53	505	0.261	ug/l	97
16) Acetone	2.43	43	1029	0.637	ug/l	96
27) cis-1,2-Dichloroethene	4.56	96	1334	0.365	ug/l	75
29) Tetrahydrofuran	5.12	42	1065	0.603	ug/l #	58
31) Cyclohexane	5.63	56	5671	1.107	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	21996	4.788	ug/l #	51
38) Carbon Tetrachloride	5.62	117	28714	5.947	ug/l #	16
40) Benzene	6.11	78	37275	2.724	ug/l	98
49) 1,4-Dioxane	7.73	88	420	4.357	ug/l #	80
59) 2-Hexanone	9.29	43	1711	0.411	ug/l	73
65) Chlorobenzene	10.12	112	506105	51.831	ug/l	100
76) 1,2,3-Trichloropropane	11.12	75	124020	22.255	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	124020	54.744	ug/l #	14
83) tert-Butylbenzene	11.76	119	6171	0.492	ug/l	95
86) p-Isopropyltoluene	12.22	119	4399	0.299	ug/l	94
87) 1,3-Dichlorobenzene	12.01	146	3856	0.483	ug/l	98
88) 1,4-Dichlorobenzene	12.01	146	3856	0.472	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	23744	3.070	ug/l	97

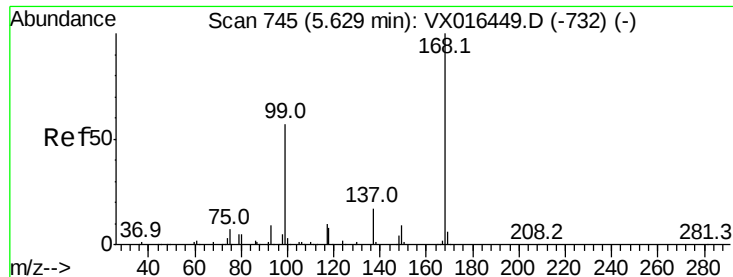
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052820\
Data File : VX016479.D
Acq On : 28 May 2020 12:52
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Quant Time: May 29 03:38:18 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: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

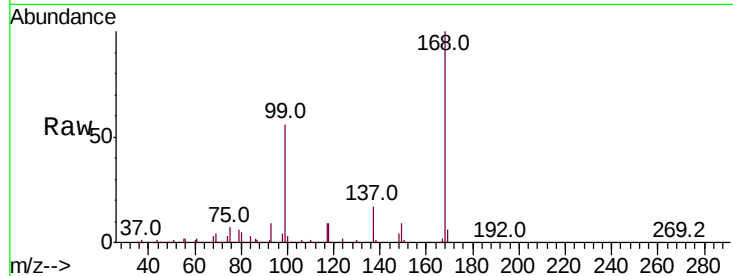
WP021RW246-200520DL

Tot Ion:168 Resp: 296672

Ion Ratio Lower Upper

168 100

99 56.0 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

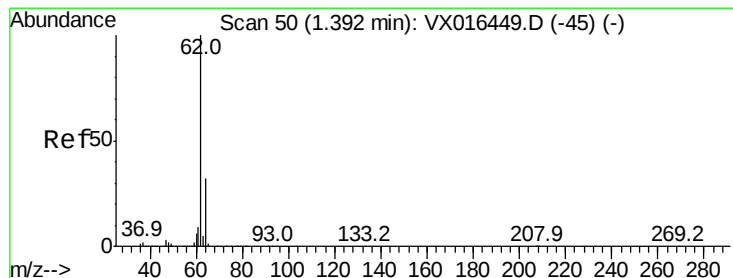
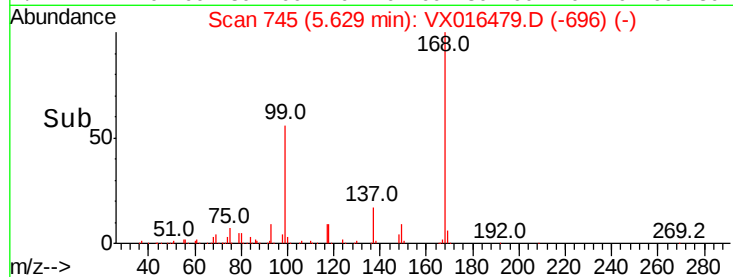
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 0.212 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016479.D

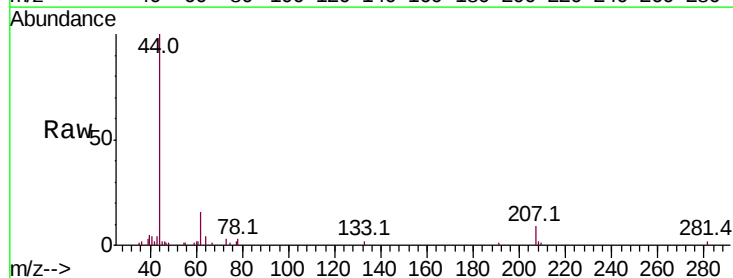
Acq: 28 May 2020 12:52

Tgt Ion: 62 Resp: 790

Ion Ratio Lower Upper

62 100

64 27.9 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

800

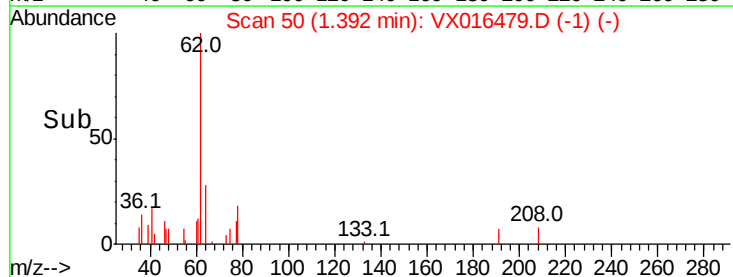
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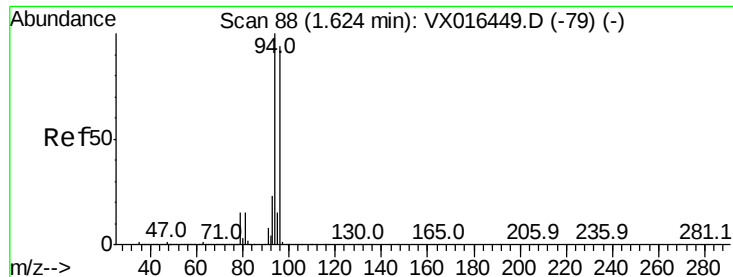
400

200

0

Time-->





#5

Bromomethane

Concen: 0.375 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

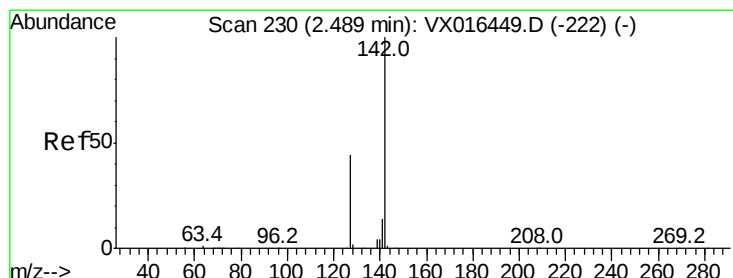
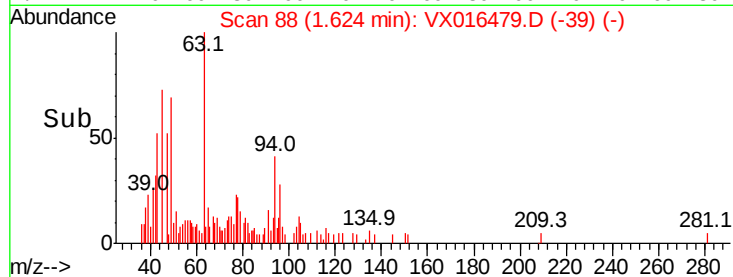
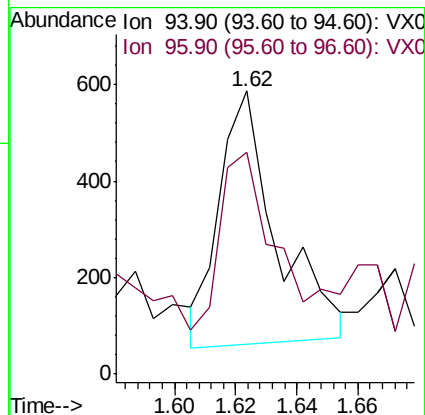
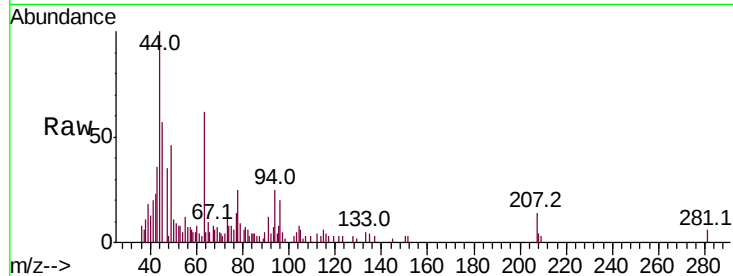
WP021RW246-200520DL

Tot Ion: 94 Resp: 681

Ion Ratio Lower Upper

94 100

96 82.3 75.1 112.7



#10

Methyl Iodide

Concen: 3.241 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

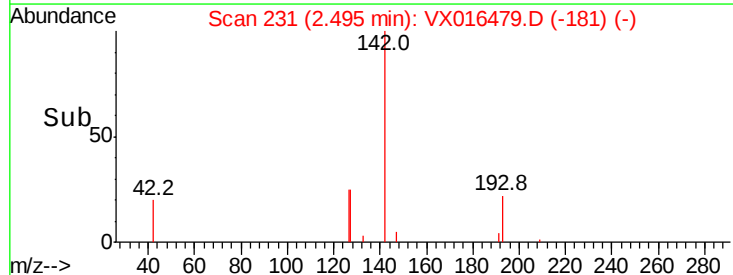
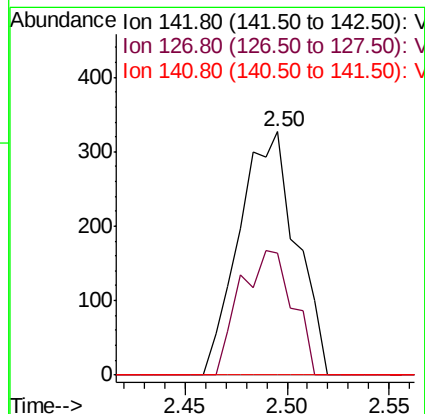
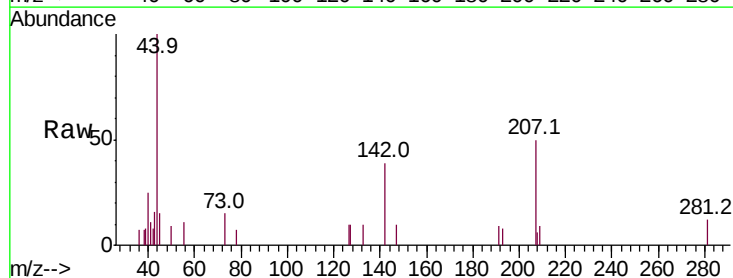
Tgt Ion: 142 Resp: 637

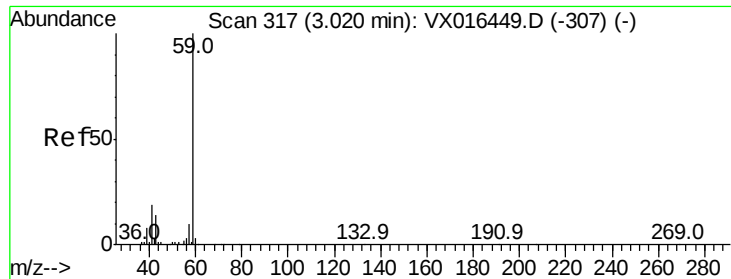
Ion Ratio Lower Upper

142 100

127 46.9 35.3 52.9

141 0.0 11.4 17.2#



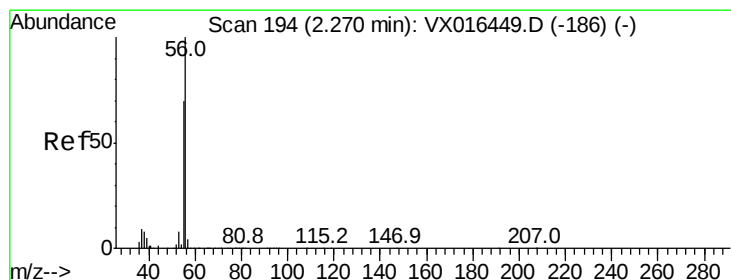
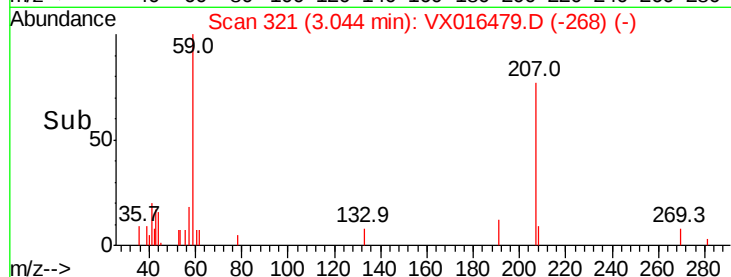
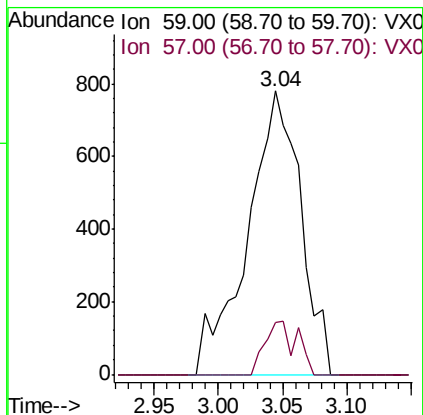
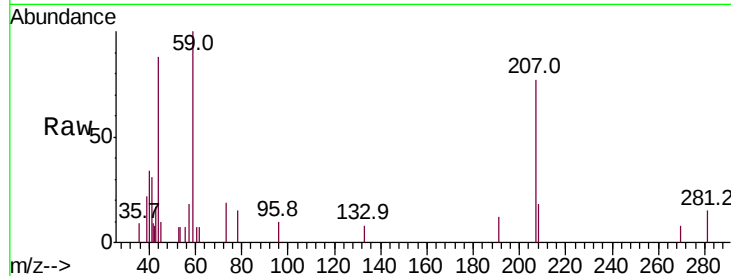


#11

Tert butyl alcohol
 Concen: 2.364 ug/l
 RT: 3.04 min Scan# 321
 Delta R.T. 0.02 min
 Lab File: VX016479.D
 Acq: 28 May 2020 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021RW246-200520DL

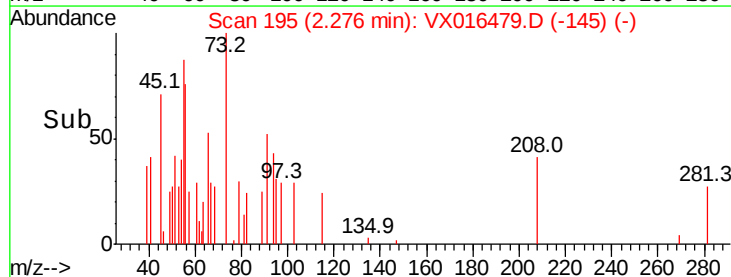
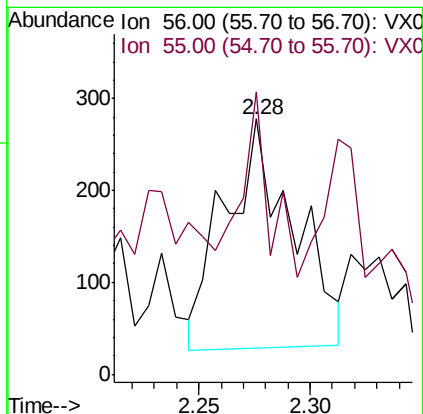
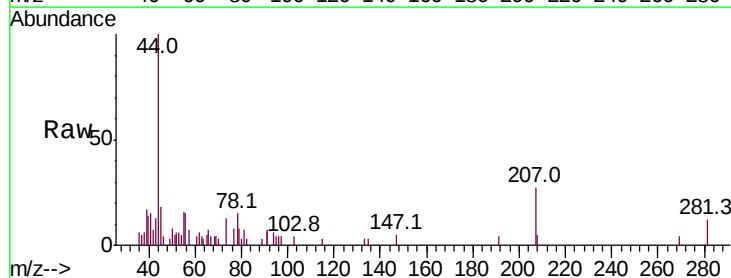
Tot Ion: 59 Resp: 2233
 Ion Ratio Lower Upper
 59 100
 57 11.2 8.2 12.4

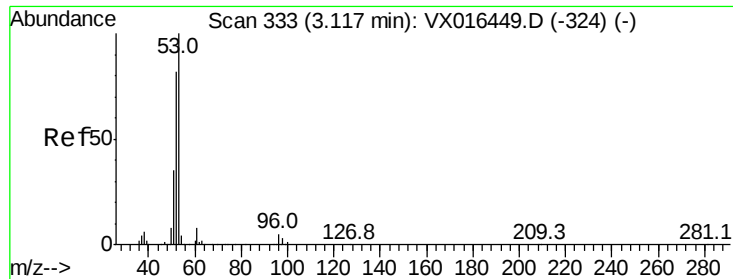


#13

Acrolein
 Concen: 1.334 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX016479.D
 Acq: 28 May 2020 12:52

Tgt Ion: 56 Resp: 536
 Ion Ratio Lower Upper
 56 100
 55 59.0 58.3 87.5

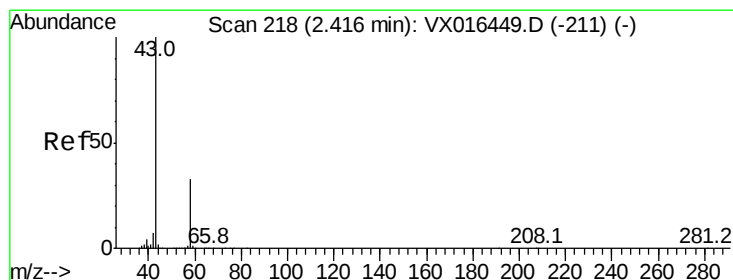
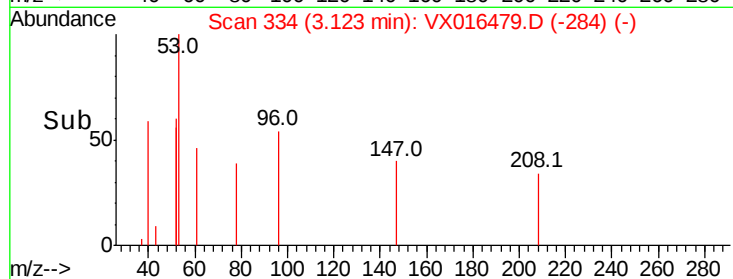
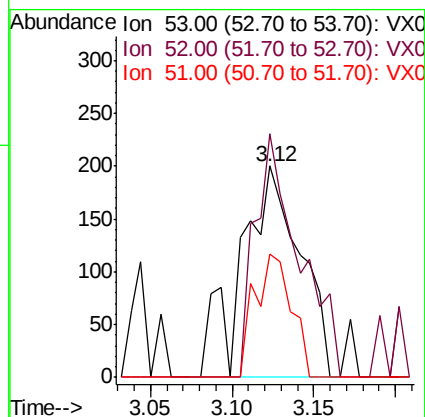
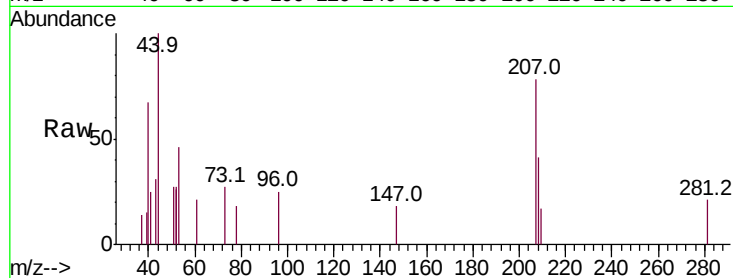




#15
 Acrylonitrile
 Concen: 0.261 ug/l
 RT: 3.12 min Scan# 334
 Delta R.T. 0.01 min
 Lab File: VX016479.D
 Acq: 28 May 2020 12:52

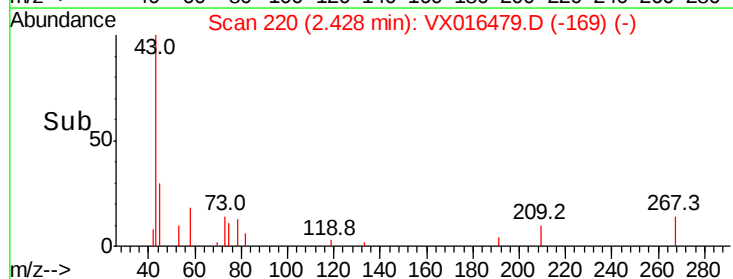
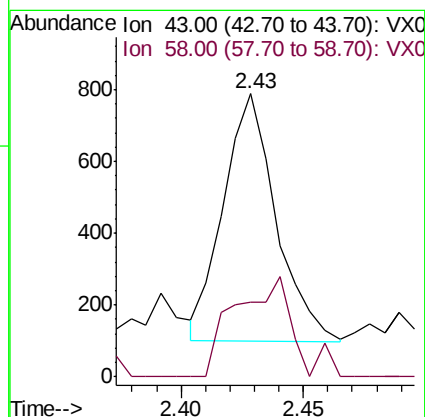
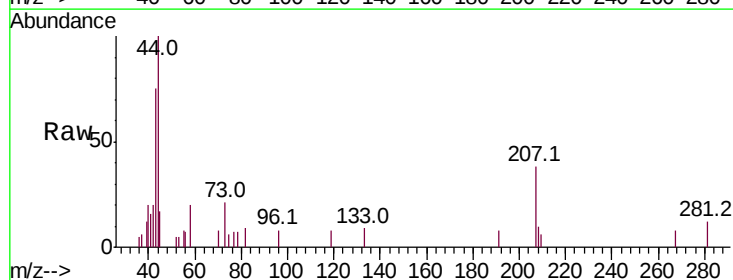
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021RW246-200520DL

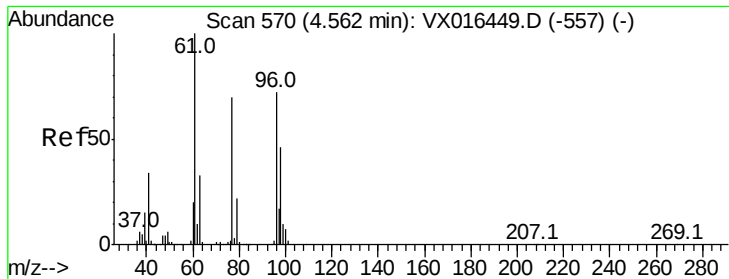
Tot Ion: 53 Resp: 505
 Ion Ratio Lower Upper
 53 100
 52 86.5 66.7 100.1
 51 36.2 28.6 43.0



#16
 Acetone
 Concen: 0.637 ug/l
 RT: 2.43 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX016479.D
 Acq: 28 May 2020 12:52

Tgt Ion: 43 Resp: 1029
 Ion Ratio Lower Upper
 43 100
 58 30.3 26.1 39.1



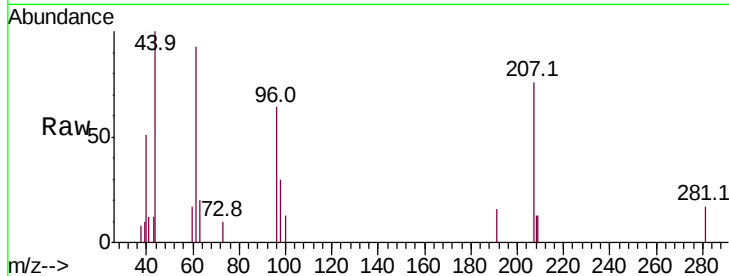


#27

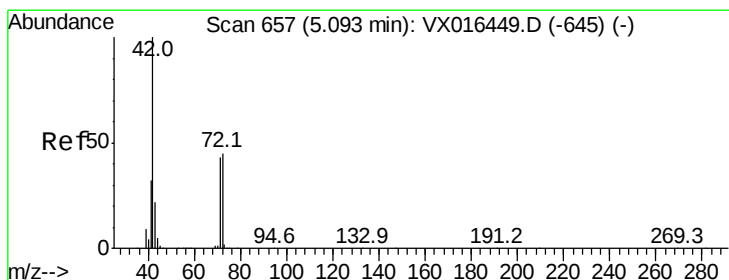
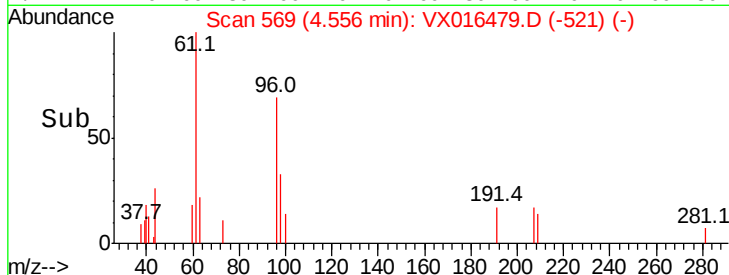
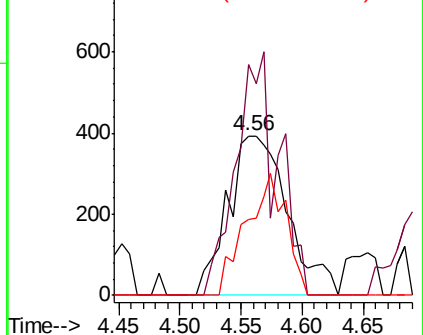
cis-1,2-Dichloroethene
Concen: 0.365 ug/l
RT: 4.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VX016479.D
Acq: 28 May 2020 12:52

Instrument :
MSVOA_X
ClientSampleId :
WP021RW246-200520DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	107.3	0.0	284.6
98	51.3	0.0	127.2



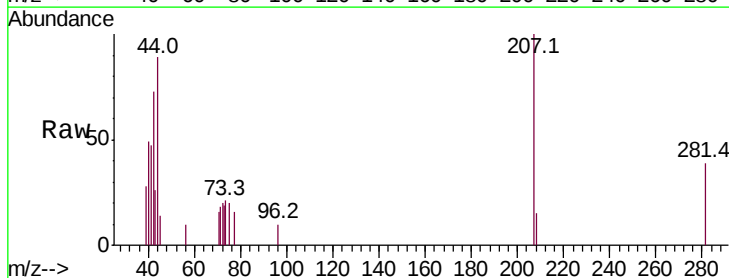
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



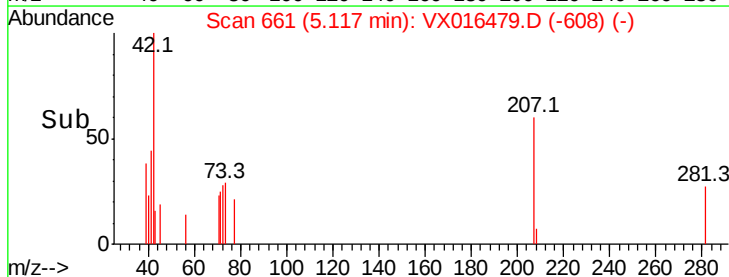
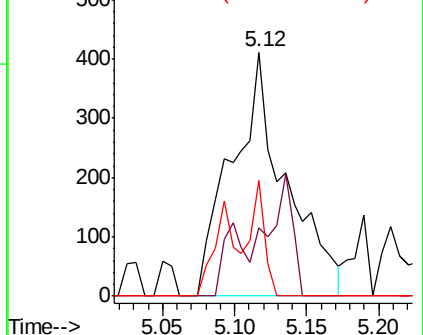
#29

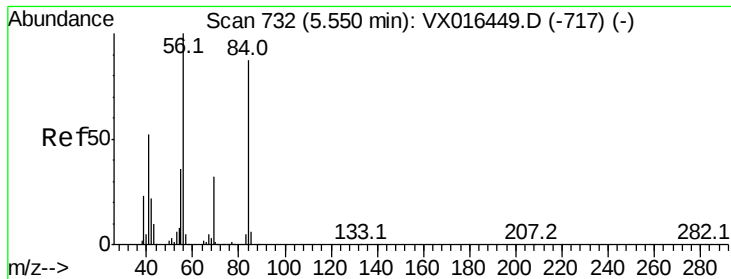
Tetrahydrofuran
Concen: 0.603 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.02 min
Lab File: VX016479.D
Acq: 28 May 2020 12:52

Tgt Ion	Ratio	Lower	Upper
42	100		
72	22.1	37.0	55.4#
71	11.7	34.1	51.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

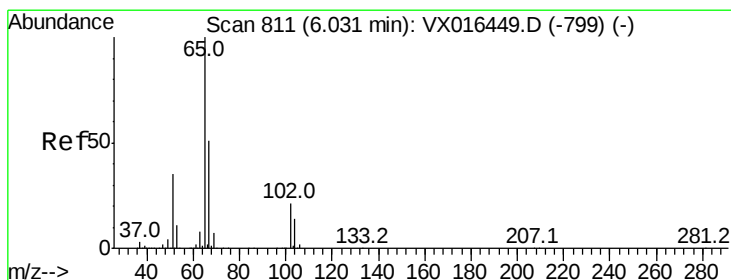
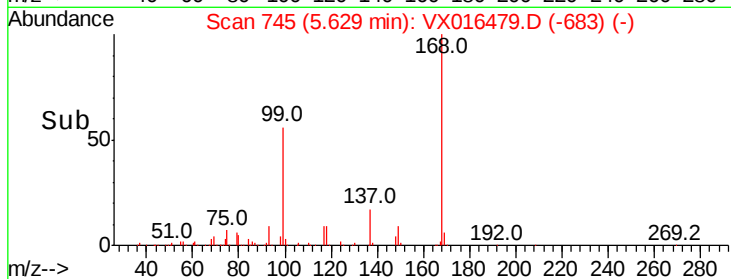
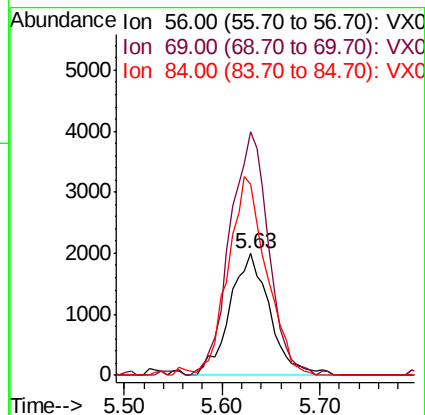
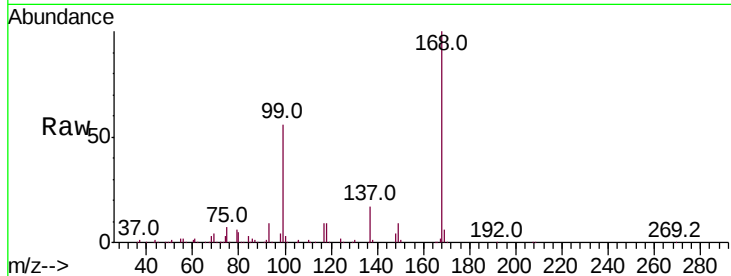




#31
Cyclohexane
Concen: 1.107 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016479.D
Acq: 28 May 2020 12:52

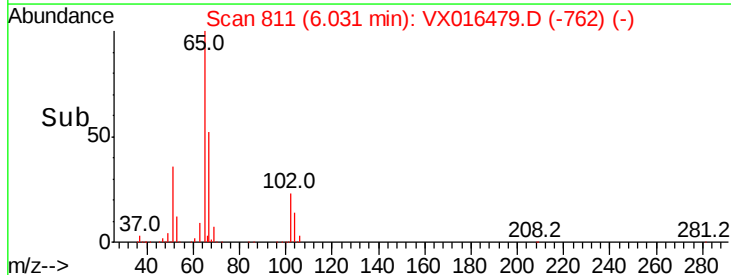
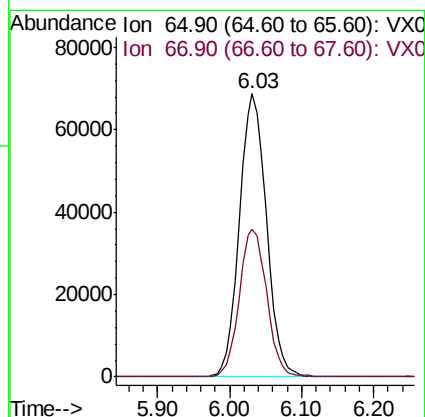
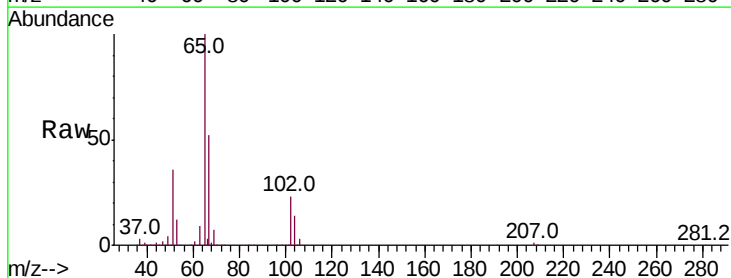
Instrument :
MSVOA_X
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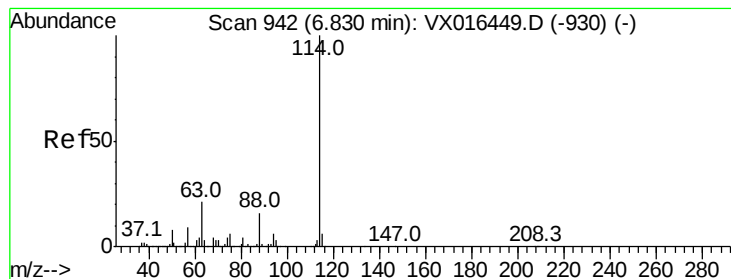
Tot Ion: 56 Resp: 5671
Ion Ratio Lower Upper
56 100
69 200.2 25.7 38.5#
84 157.2 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 48.768 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016479.D
Acq: 28 May 2020 12:52

Tgt Ion: 65 Resp: 179675
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

WP021RW246-200520DL

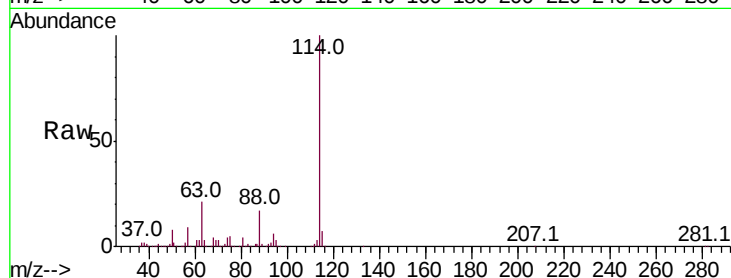
Tot Ion:114 Resp: 485240

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

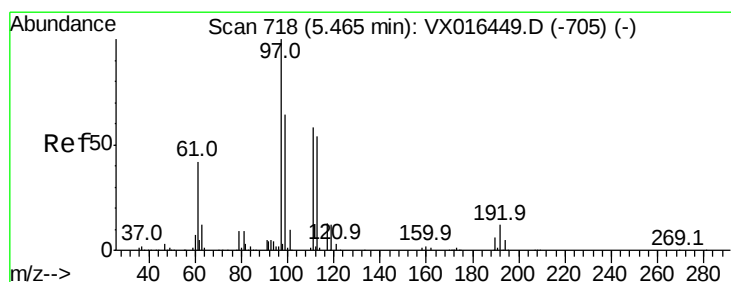
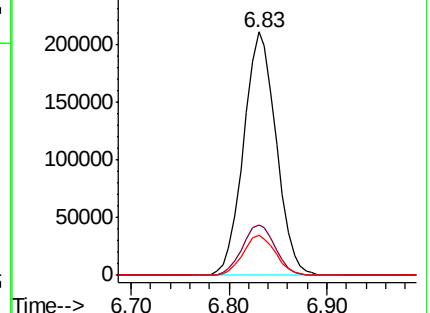
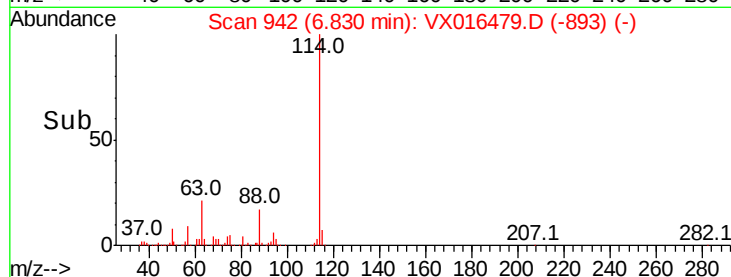
88 16.6 0.0 32.8



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: 49.339 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

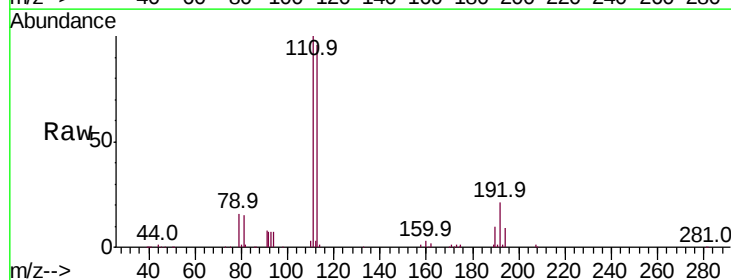
Tgt Ion:113 Resp: 147416

Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.6

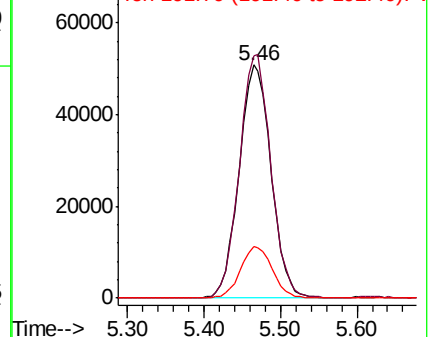
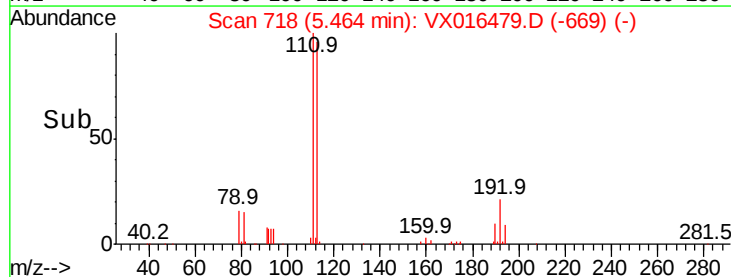
192 22.1 17.7 26.5

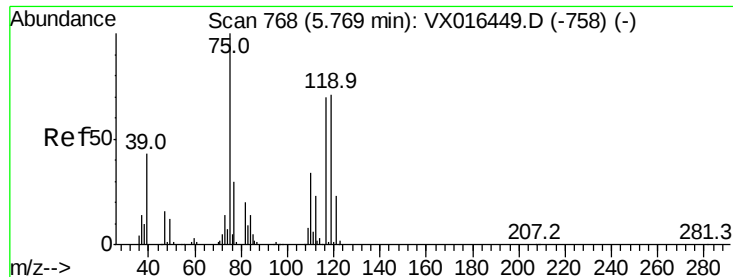


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.788 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

WP021RW246-200520DL

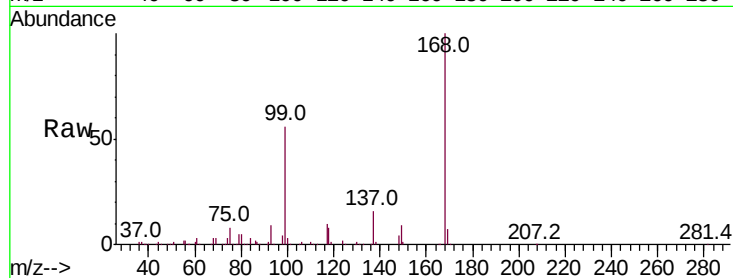
Tot Ion: 75 Resp: 21996

Ion Ratio Lower Upper

75 100

110 9.5 17.4 52.3#

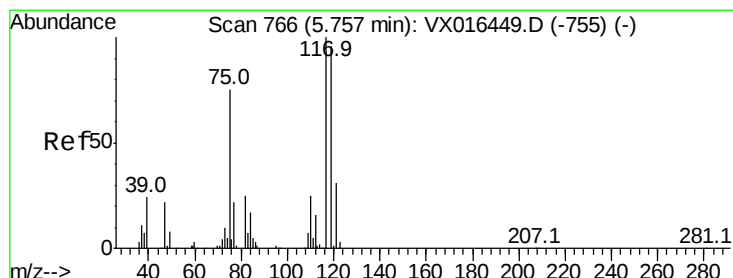
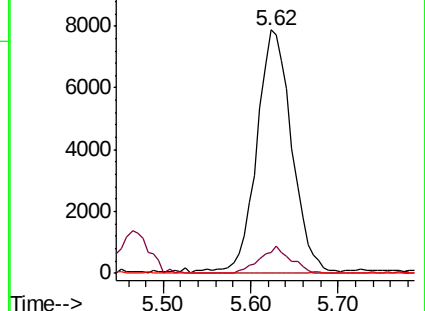
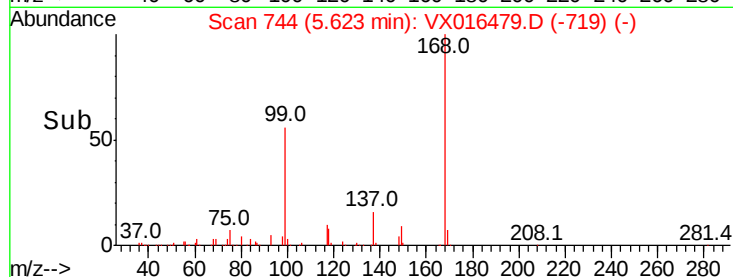
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.947 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

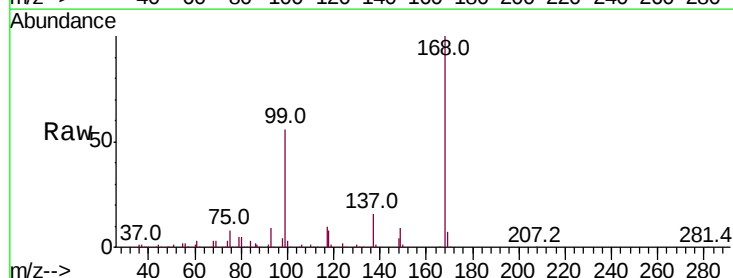
Tgt Ion: 117 Resp: 28714

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

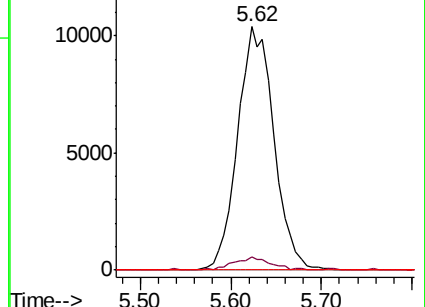
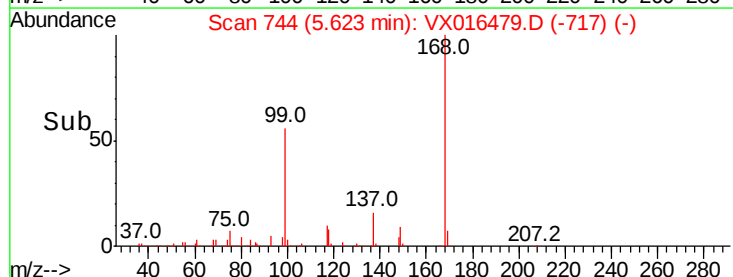
121 0.0 24.6 37.0#

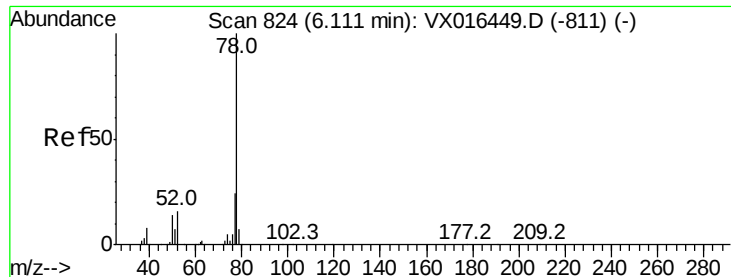


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 2.724 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

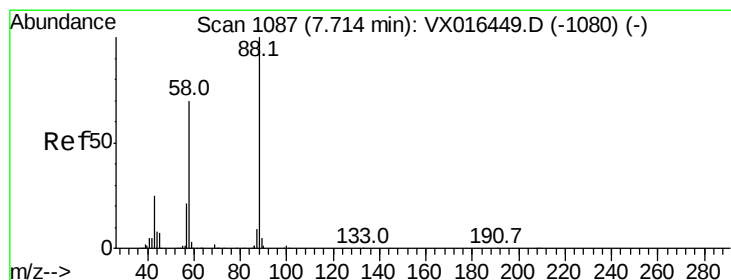
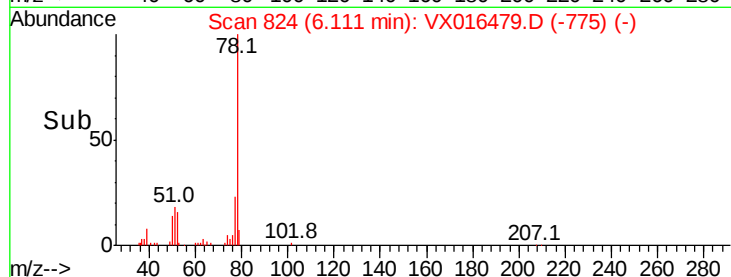
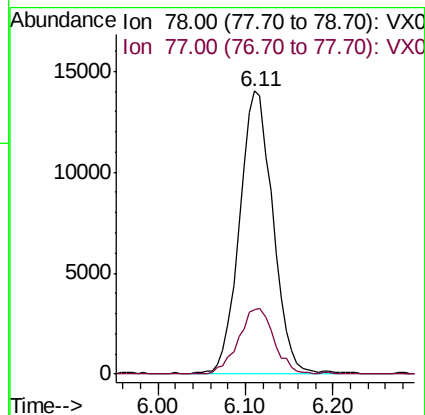
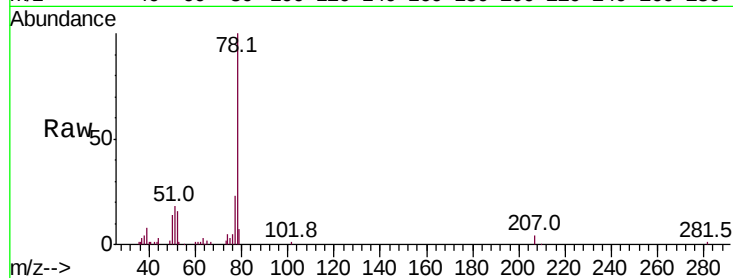
WP021RW246-200520DL

Tot Ion: 78 Resp: 37275

Ion Ratio Lower Upper

78 100

77 22.6 18.9 28.3



#49

1,4-Dioxane

Concen: 4.357 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

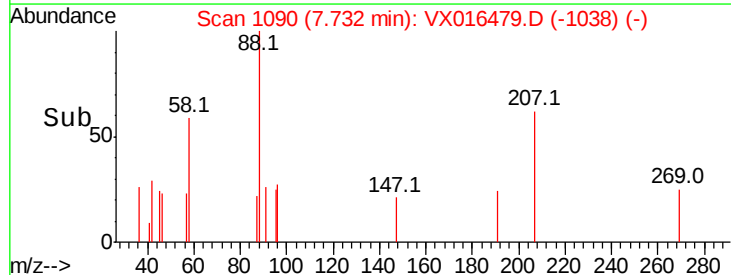
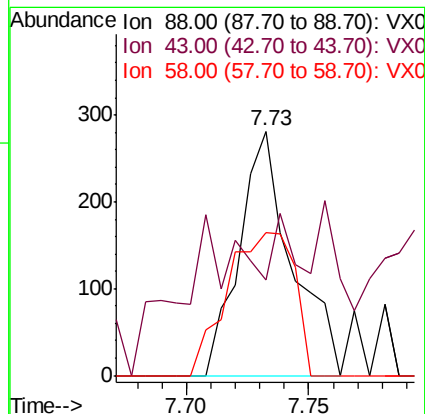
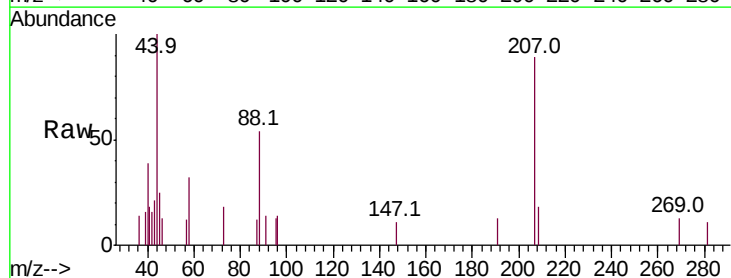
Tgt Ion: 88 Resp: 420

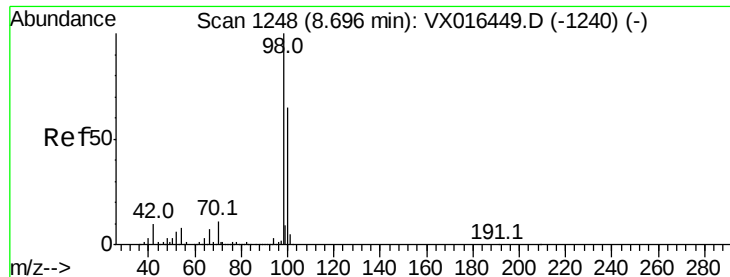
Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

58 74.3 56.5 84.7





#50

Toluene-d8

Concen: 51.630 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

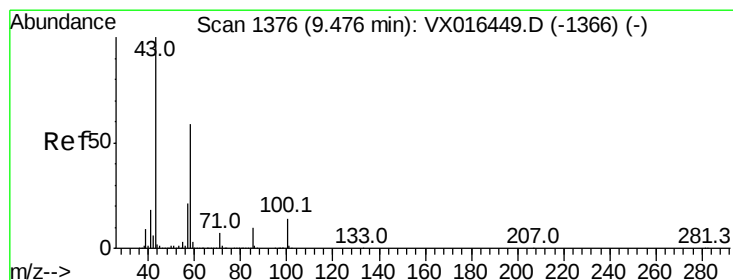
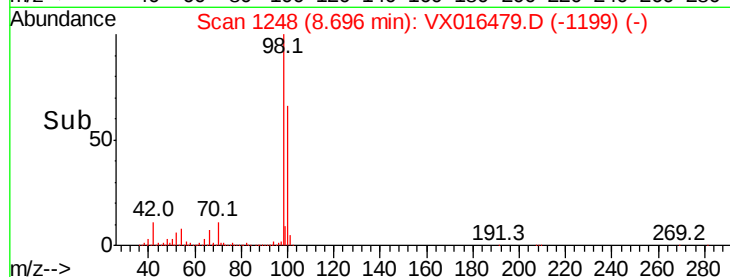
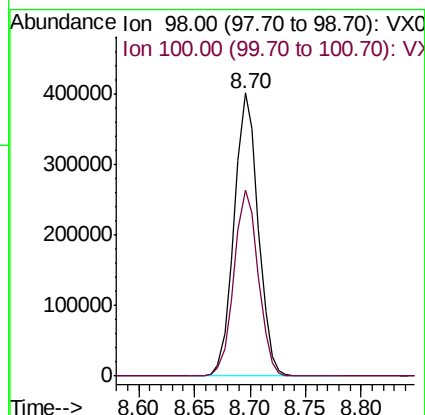
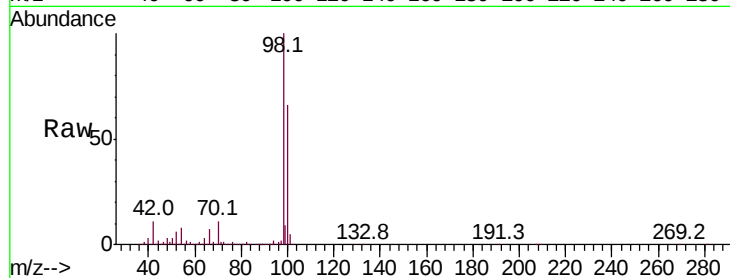
WP021RW246-200520DL

Tot Ion: 98 Resp: 600420

Ion Ratio Lower Upper

98 100

100 66.4 53.8 80.6



#59

2-Hexanone

Concen: 0.411 ug/l

RT: 9.29 min Scan# 1345

Delta R.T. -0.19 min

Lab File: VX016479.D

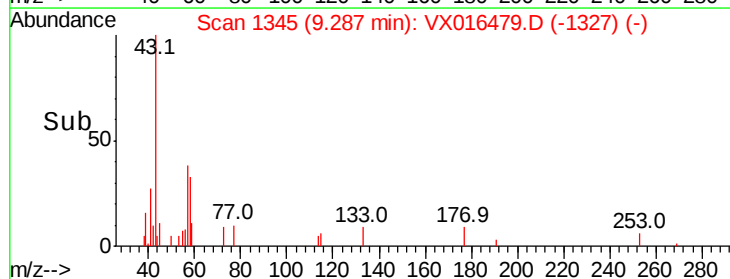
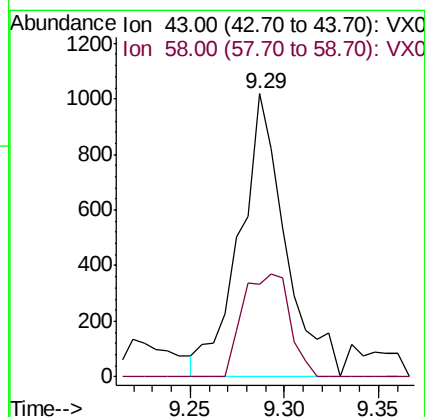
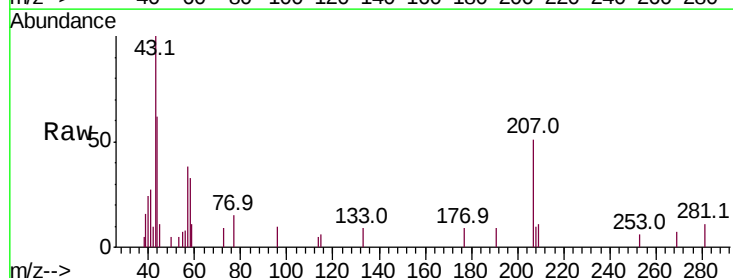
Acq: 28 May 2020 12:52

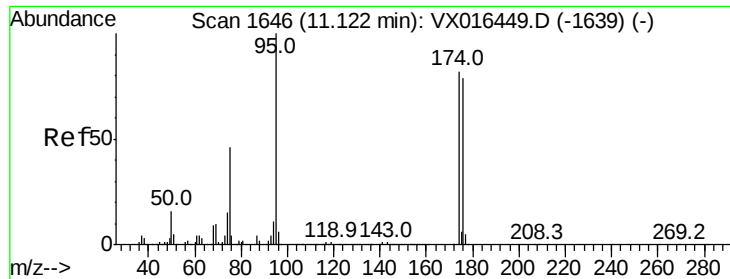
Tgt Ion: 43 Resp: 1711

Ion Ratio Lower Upper

43 100

58 37.3 28.8 86.4

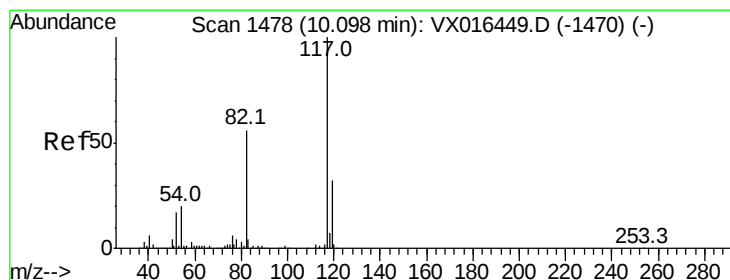
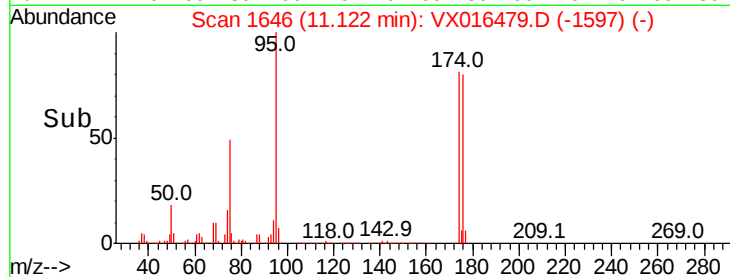
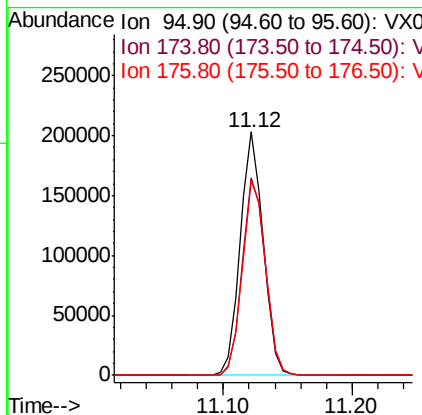
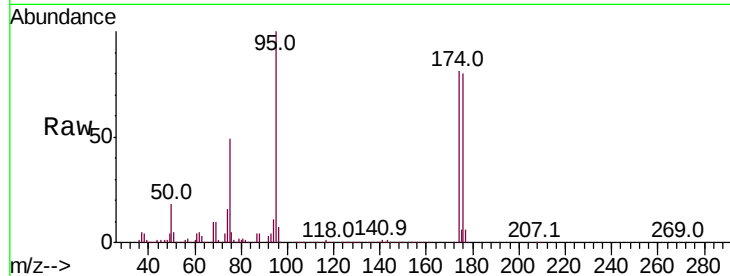




#62
4-Bromofluorobenzene
Concen: 55.648 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016479.D
Acq: 28 May 2020 12:52

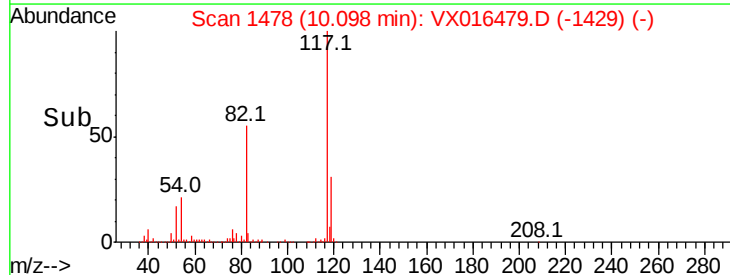
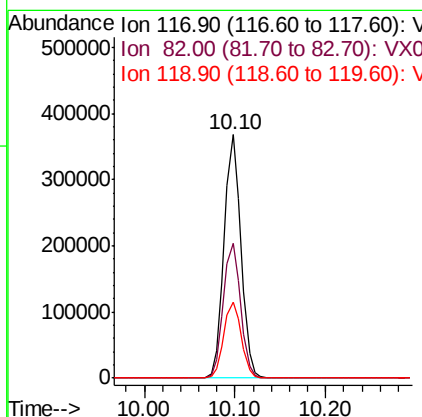
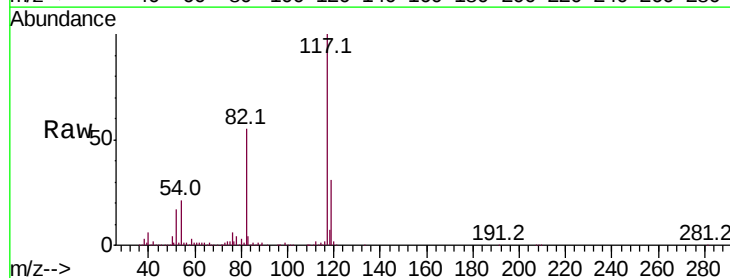
Instrument :
MSVOA_X
ClientSampleId :
WP021RW246-200520DL

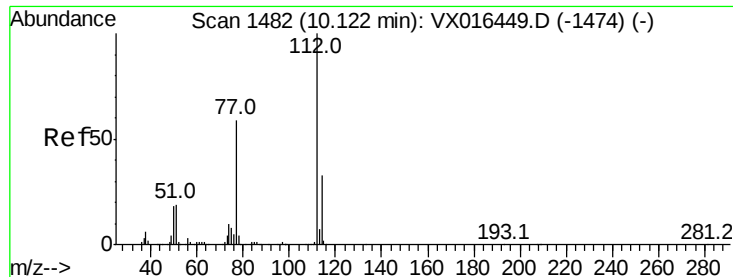
Tot Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	163.0
176	80.7	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016479.D
Acq: 28 May 2020 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	45.0	67.6
119	31.0	25.8	38.8





#65

Chlorobenzene

Concen: 51.831 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

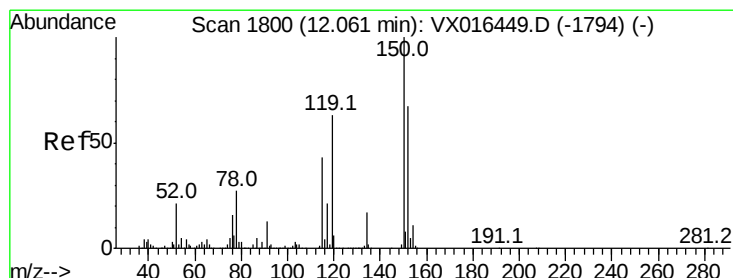
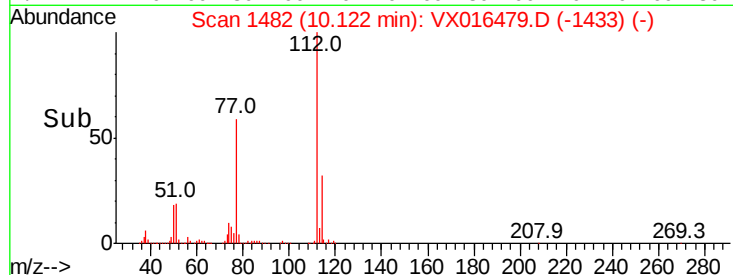
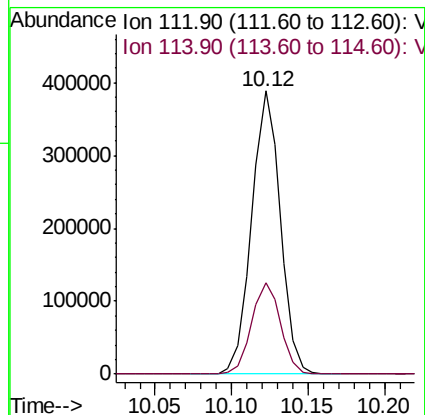
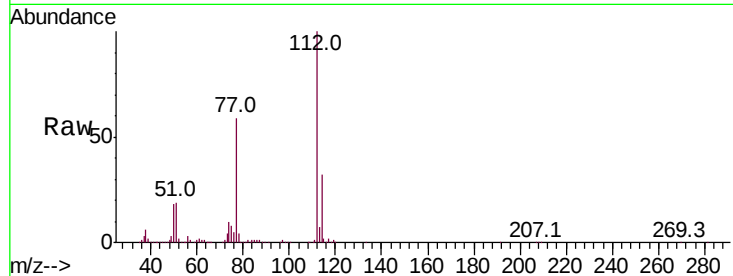
WP021RW246-200520DL

Tot Ion:112 Resp: 506105

Ion Ratio Lower Upper

112 100

114 32.4 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

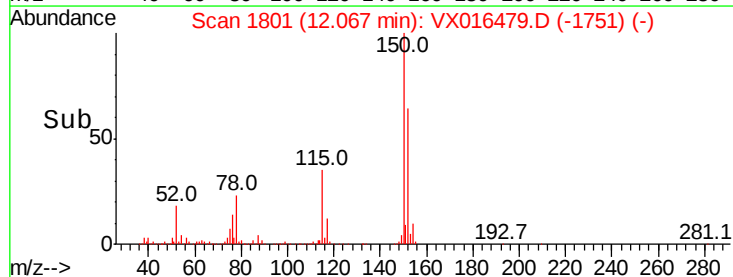
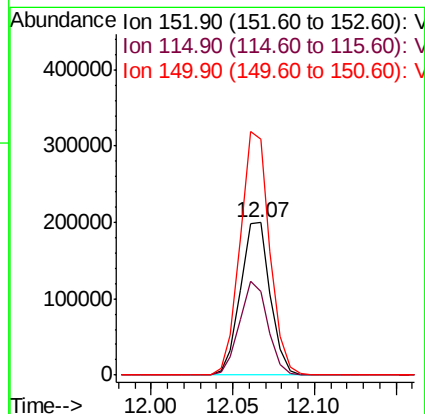
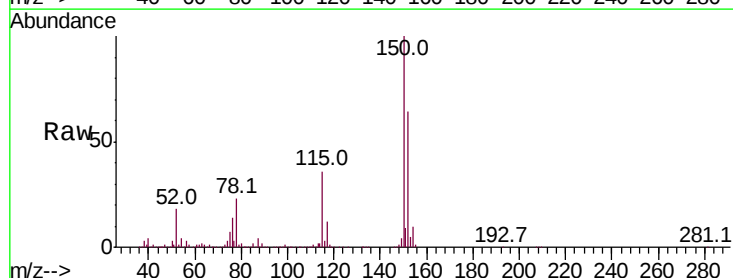
Tgt Ion:152 Resp: 253529

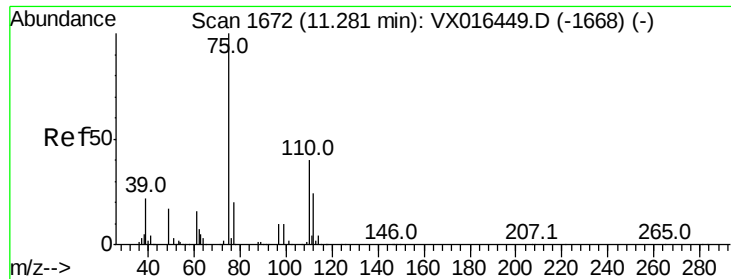
Ion Ratio Lower Upper

152 100

115 58.7 39.9 119.6

150 158.0 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 22.255 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

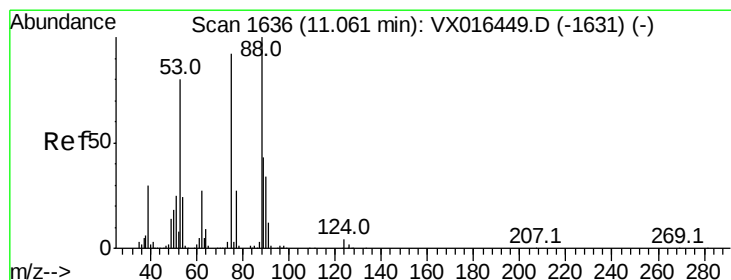
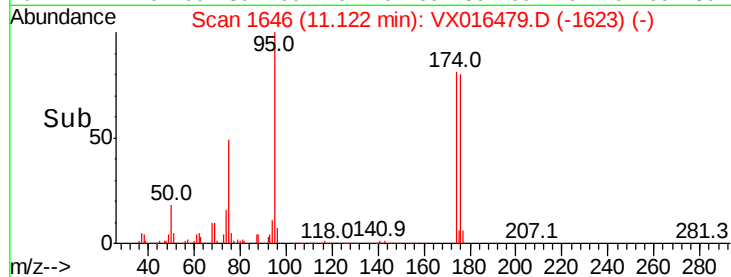
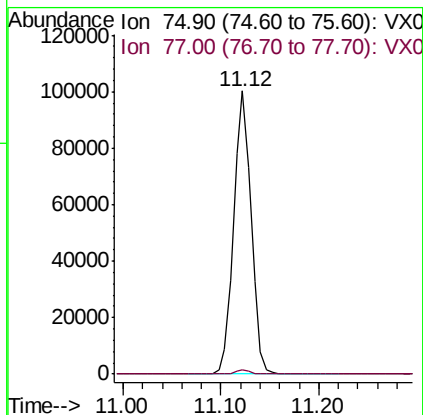
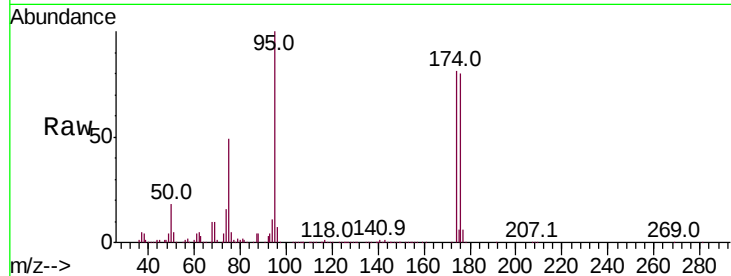
WP021RW246-200520DL

Tot Ion: 75 Resp: 124020

Ion Ratio Lower Upper

75 100

77 1.4 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.744 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

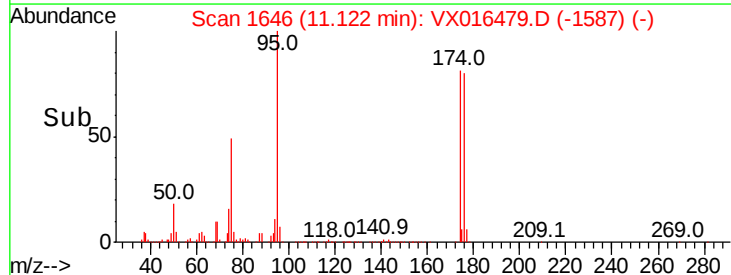
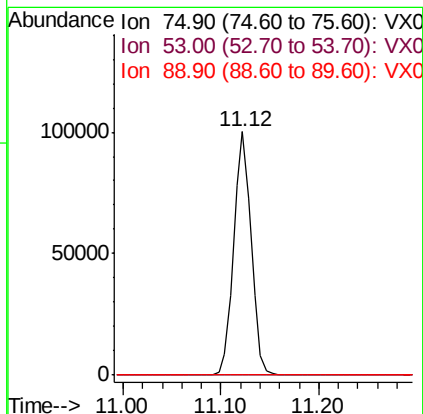
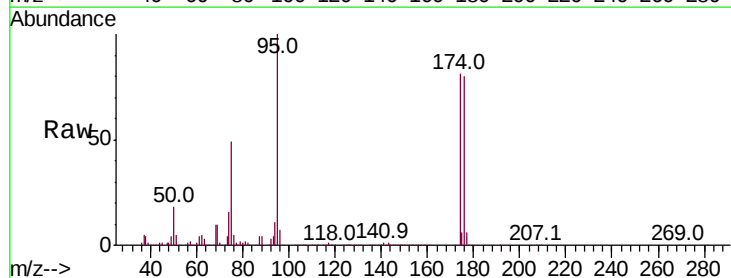
Tgt Ion: 75 Resp: 124020

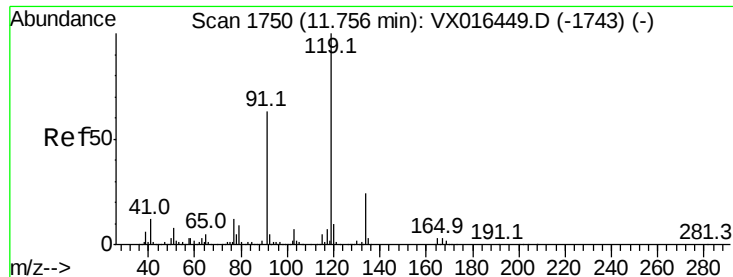
Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#





#83

tert-Butylbenzene

Concen: 0.492 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

WP021RW246-200520DL

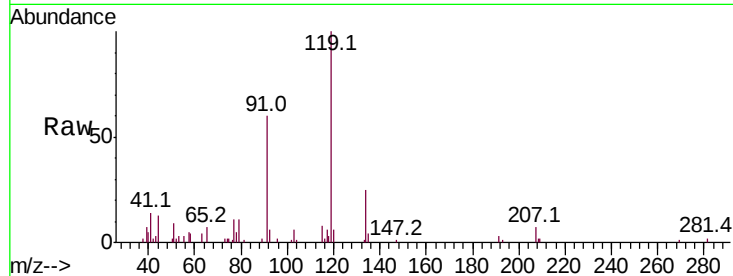
Tot Ion:119 Resp: 6171

Ion Ratio Lower Upper

119 100

91 67.0 31.3 93.8

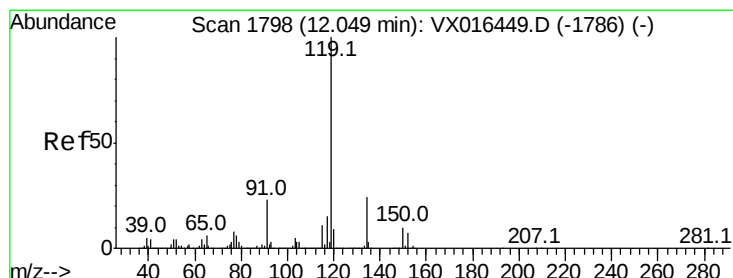
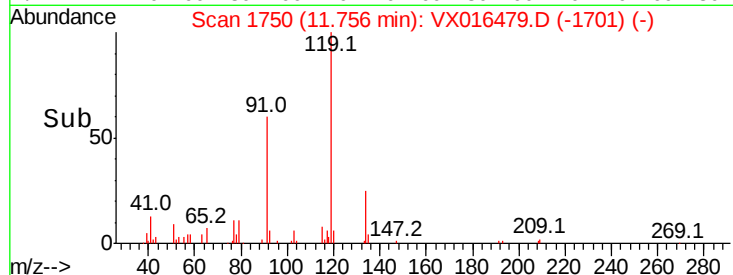
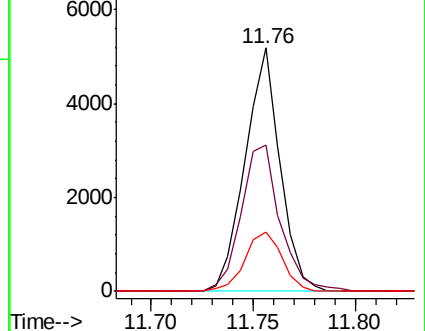
134 26.0 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.299 ug/l

RT: 12.22 min Scan# 1826

Delta R.T. 0.17 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

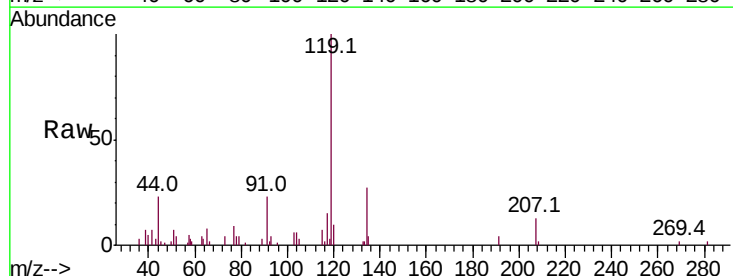
Tgt Ion:119 Resp: 4399

Ion Ratio Lower Upper

119 100

134 26.7 12.7 38.0

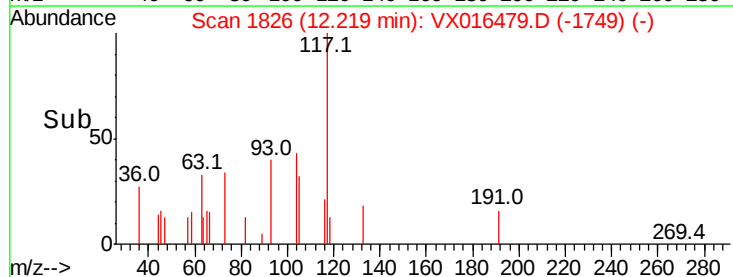
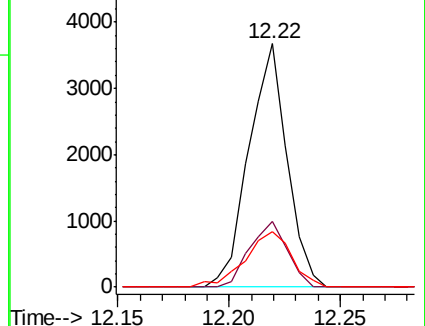
91 27.7 11.7 35.0

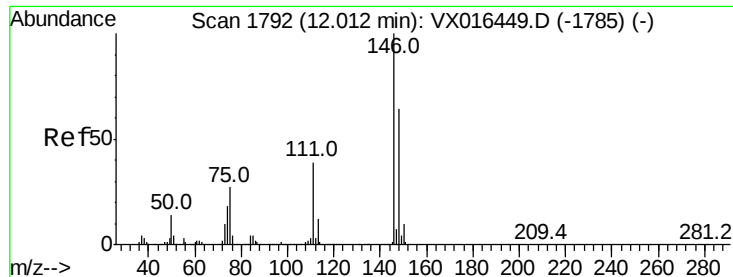


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 0.483 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

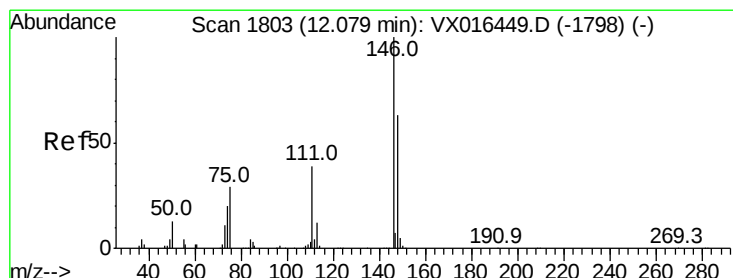
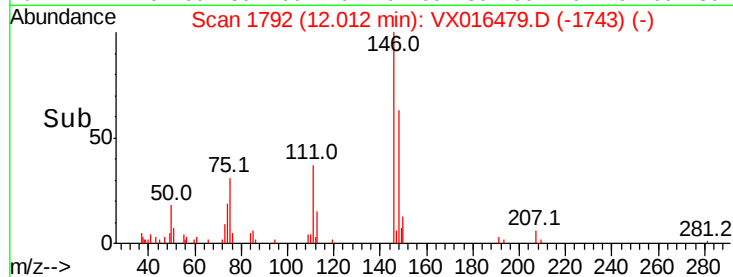
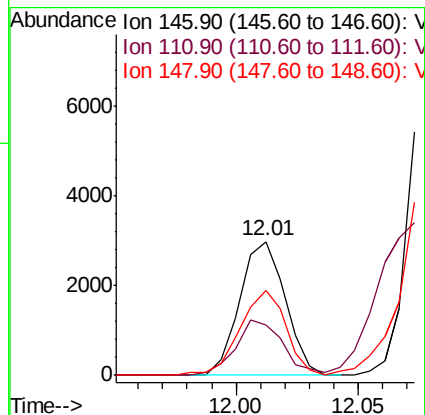
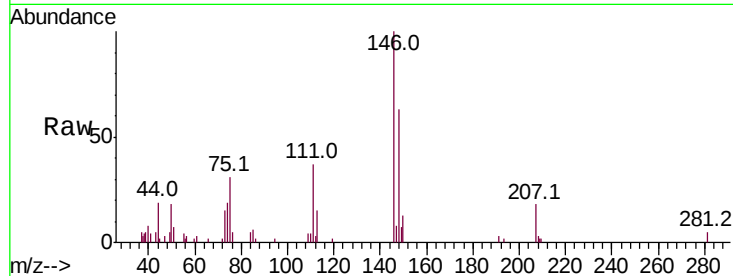
Instrument :

MSVOA_X

ClientSampleId :

WP021RW246-200520DL

Tot Ion:146	Resp:	3856
Ion	Ratio	Lower Upper
146	100	
111	43.1	20.0 60.0
148	63.9	31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 0.472 ug/l

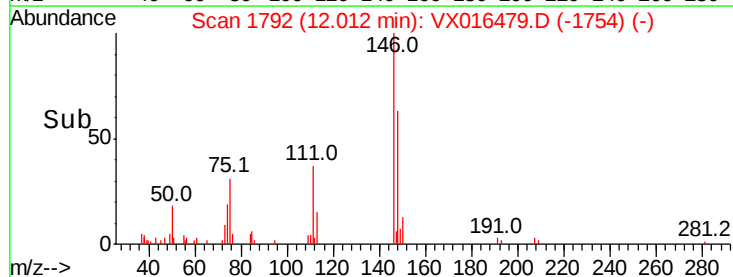
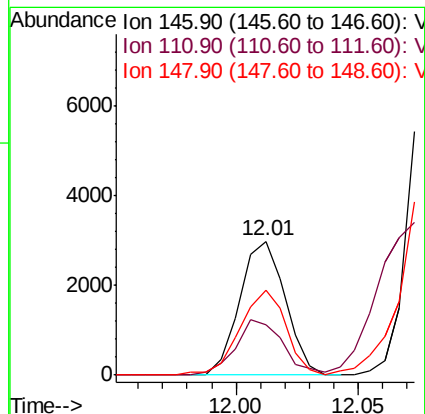
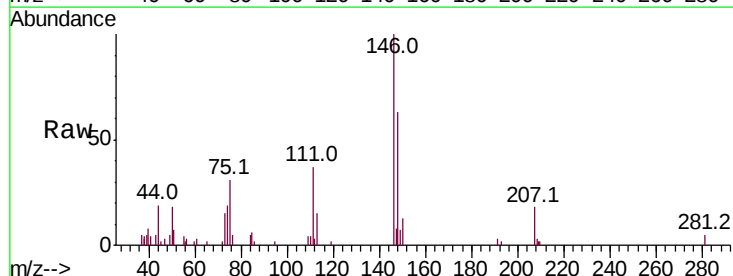
RT: 12.01 min Scan# 1792

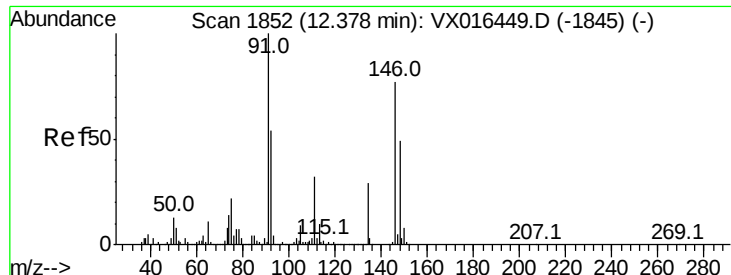
Delta R.T. -0.07 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

Tgt Ion:146	Resp:	3856
Ion	Ratio	Lower Upper
146	100	
111	43.1	19.4 58.2
148	63.9	31.4 94.3





#91

1,2-Dichlorobenzene

Concen: 3.070 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016479.D

Acq: 28 May 2020 12:52

Instrument :

MSVOA_X

ClientSampleId :

WP021RW246-200520DL

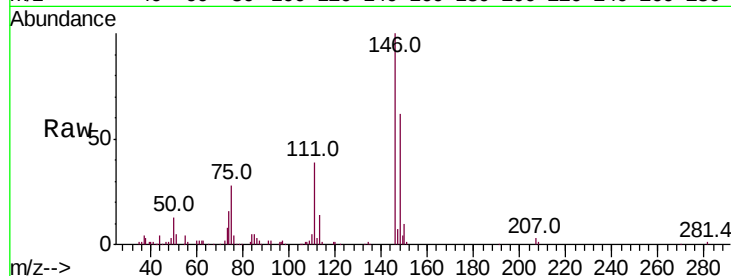
Tot Ion:146 Resp: 23744

Ion Ratio Lower Upper

146 100

111 41.1 21.4 64.3

148 61.5 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

