

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052419\
 Data File : VX009878.D
 Acq On : 24 May 2019 11:53
 Operator : JC/SP
 Sample : K2977-06
 Misc : 5.94g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-W-5R(17-20)

Quant Time: May 25 00:11:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	148250	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	236029	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	213043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100973	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	102409	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
35) Dibromofluoromethane	5.50	113	69933	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
50) Toluene-d8	8.71	98	299540	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.14	95	107514	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	

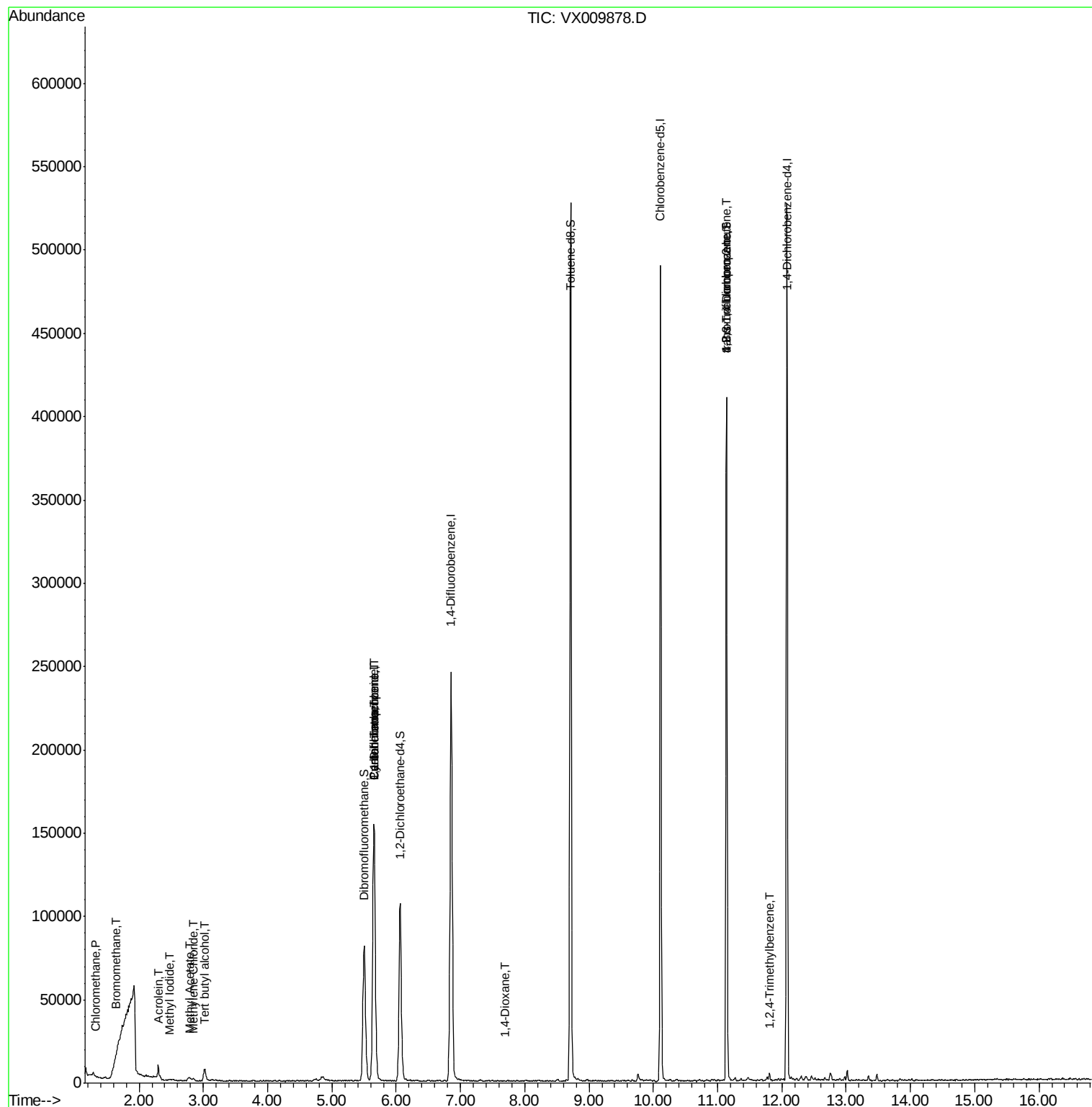
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	589	0.316	ug/l #	83
5) Bromomethane	1.64	94	974	0.892	ug/l	95
10) Methyl Iodide	2.48	142	422	4.831	ug/l #	90
11) Tert butyl alcohol	3.02	59	5181	11.060	ug/l #	77
13) Acrolein	2.29	56	101	0.238	ug/l #	14
18) Methyl Acetate	2.80	43	2464	0.953	ug/l #	85
20) Methylene Chloride	2.84	84	506	0.288	ug/l #	73
28) Bromochloromethane	5.02	49	63	Below Cal	#	20
31) Cyclohexane	5.65	56	3534	1.181	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	12600	5.744	ug/l #	50
38) Carbon Tetrachloride	5.66	117	14564	7.308	ug/l #	17
49) 1,4-Dioxane	7.70	88	19	0.386	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	55245	23.587	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	55245	60.350	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	1538	0.248	ug/l	97

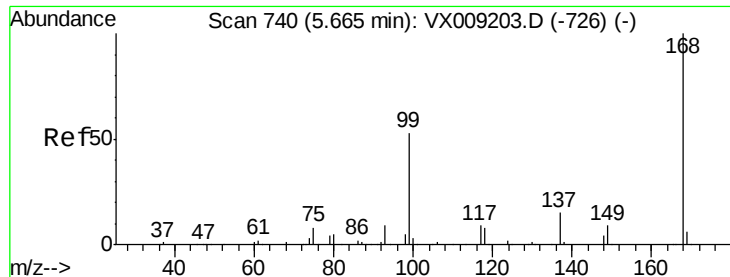
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX009878.D

Acq: 24 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

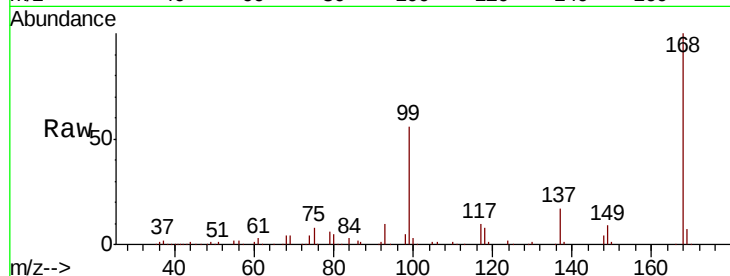
EP1-W-5R(17-20)

Tot Ion:168 Resp: 148250

Ion Ratio Lower Upper

168 100

99 56.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

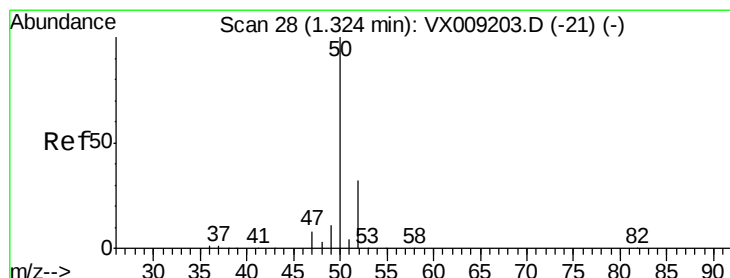
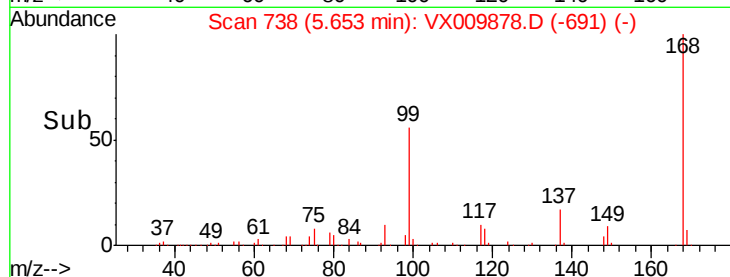
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.316 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009878.D

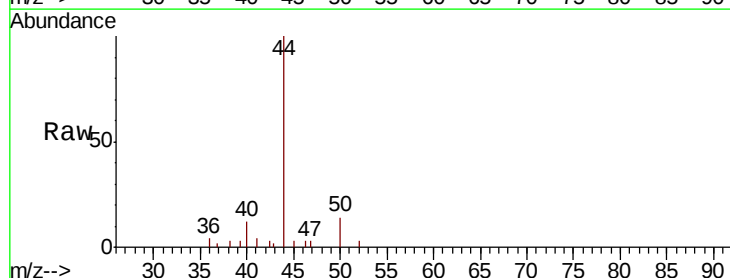
Acq: 24 May 2019 11:53

Tgt Ion: 50 Resp: 589

Ion Ratio Lower Upper

50 100

52 22.7 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

300

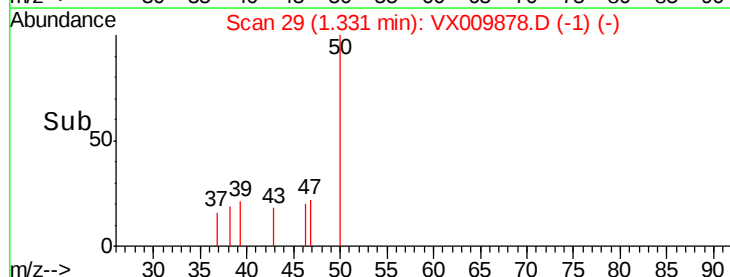
200

100

0

Time-->

1.25 1.30 1.35





#5

Bromomethane

Concen: 0.892 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009878.D

Acq: 24 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

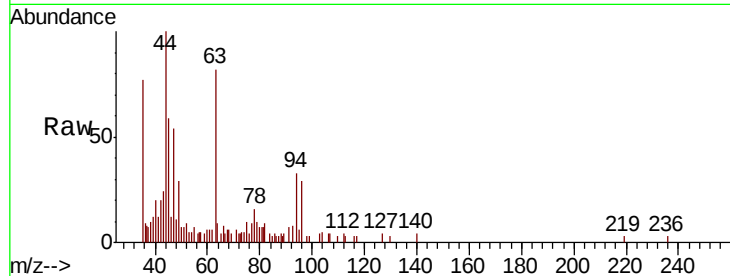
EP1-W-5R(17-20)

Tot Ion: 94 Resp: 974

Ion Ratio Lower Upper

94 100

96 86.2 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

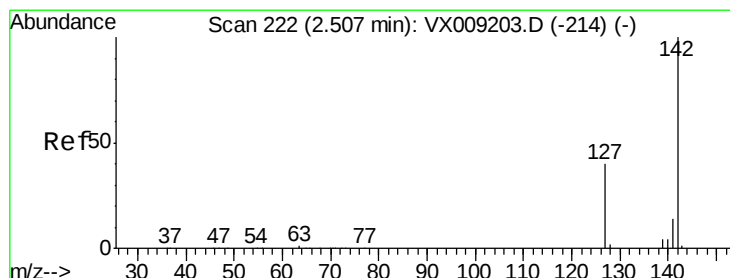
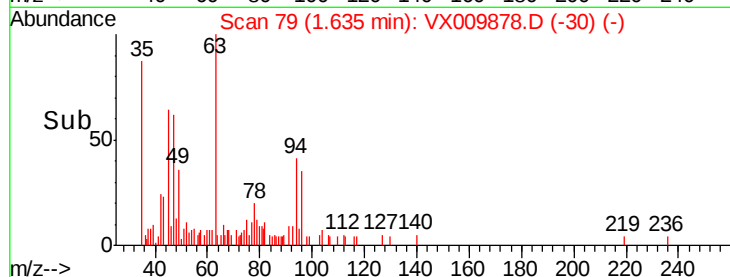
400

200

0

1.60 1.65 1.70

Time-->



#10

Methyl Iodide

Concen: 4.831 ug/l

RT: 2.48 min Scan# 217

Delta R.T. -0.03 min

Lab File: VX009878.D

Acq: 24 May 2019 11:53

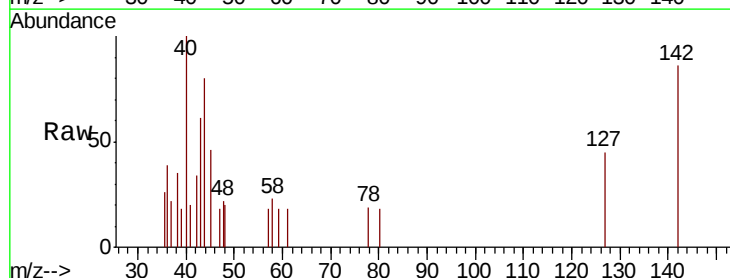
Tgt Ion: 142 Resp: 422

Ion Ratio Lower Upper

142 100

127 40.3 32.7 49.1

141 0.0 11.5 17.3#



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

2.48

300

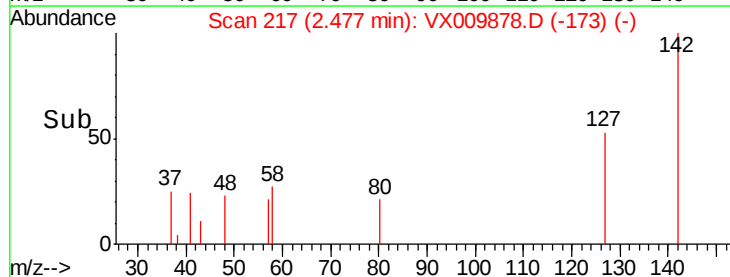
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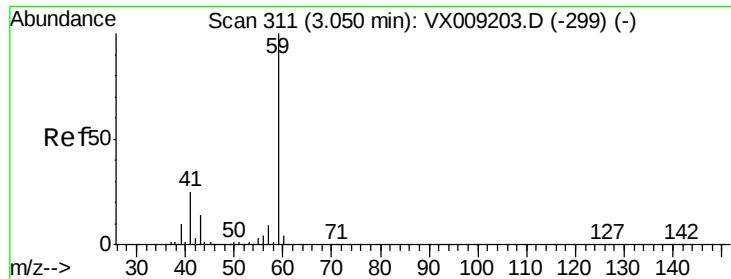
100

0

2.45 2.50

Time-->

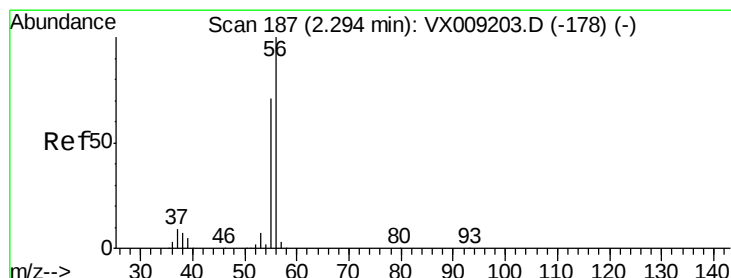
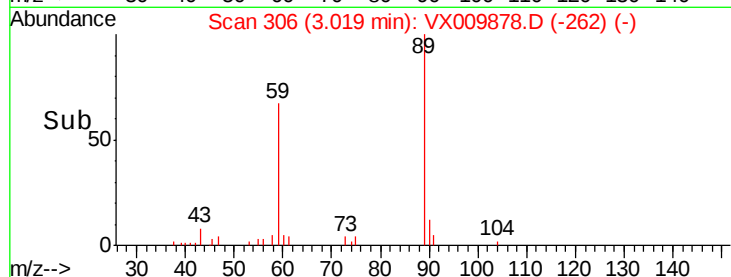
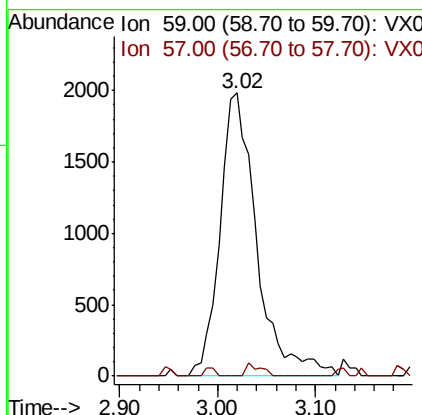
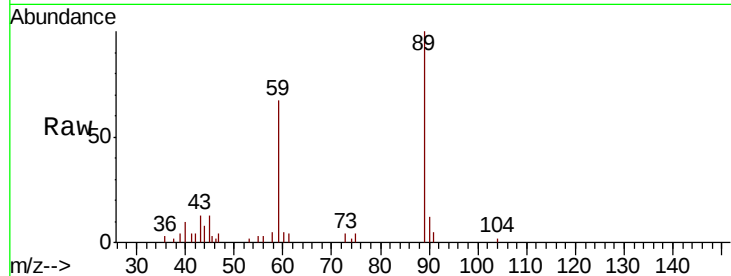




#11
Tert butyl alcohol
Concen: 11.060 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009878.D
Acq: 24 May 2019 11:53

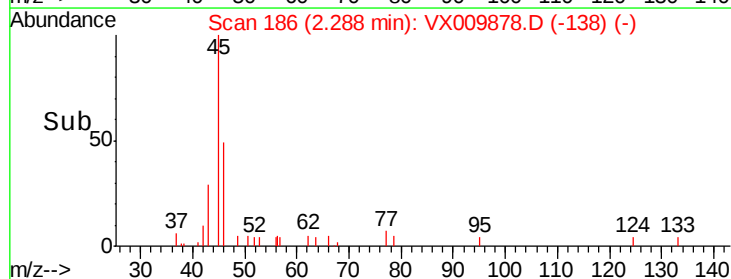
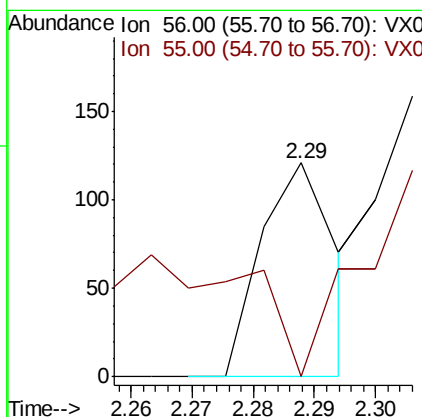
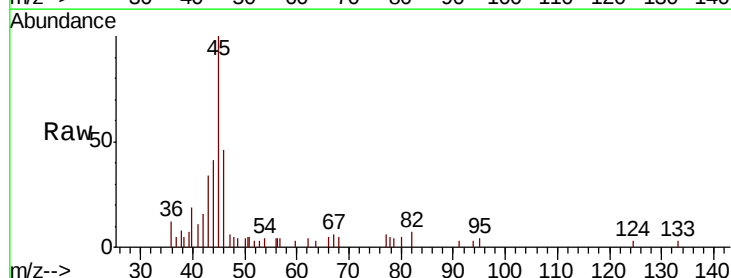
Instrument :
MSVOA_X
ClientSampleId :
EP1-W-5R(17-20)

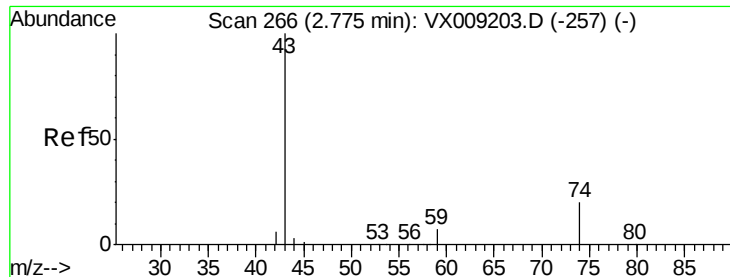
Tot Ion: 59 Resp: 5181
Ion Ratio Lower Upper
59 100
57 1.8 8.2 12.2#



#13
Acrolein
Concen: 0.238 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX009878.D
Acq: 24 May 2019 11:53

Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#

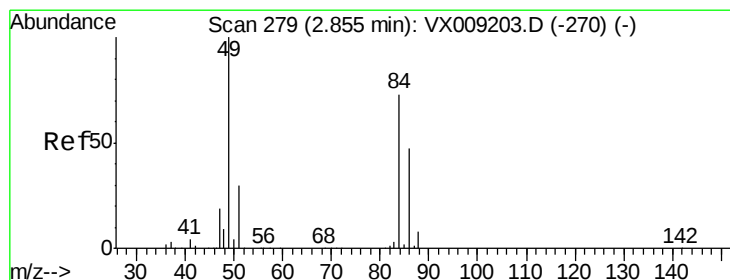
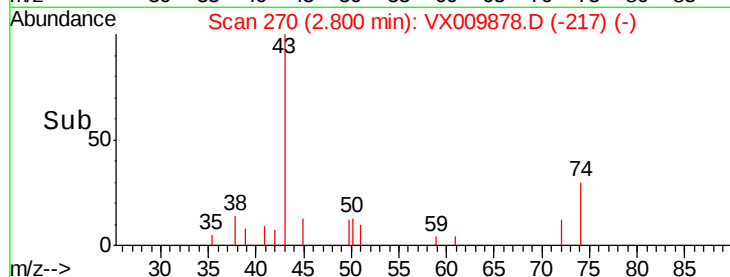
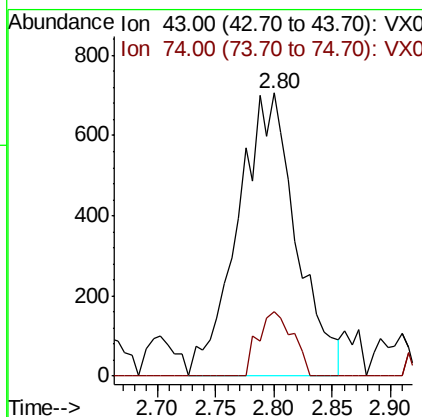
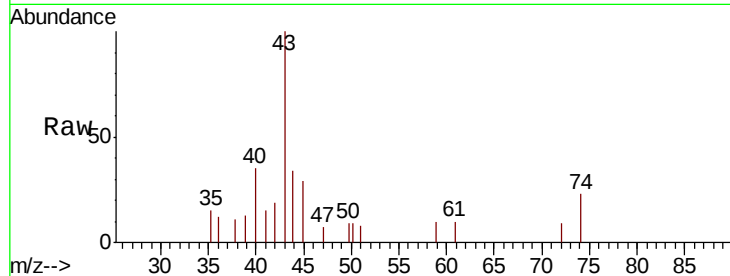




#18
Methvl Acetate
Concen: 0.953 ug/l
RT: 2.80 min Scan# 270
Delta R.T. 0.02 min
Lab File: VX009878.D
Acq: 24 May 2019 11:53

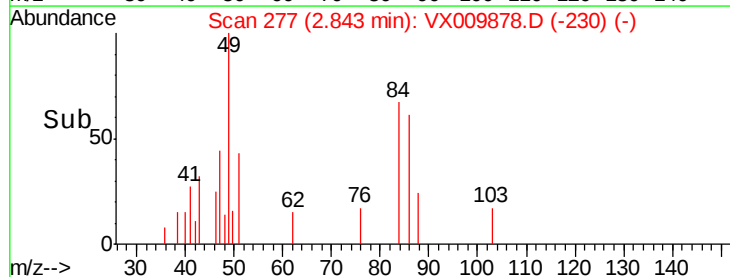
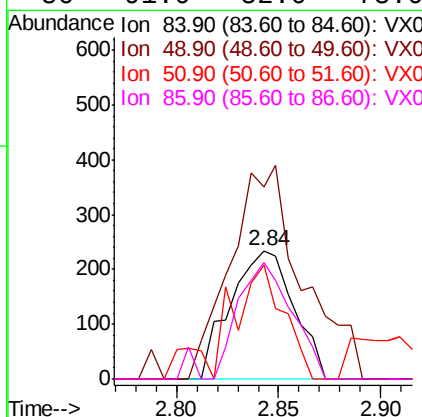
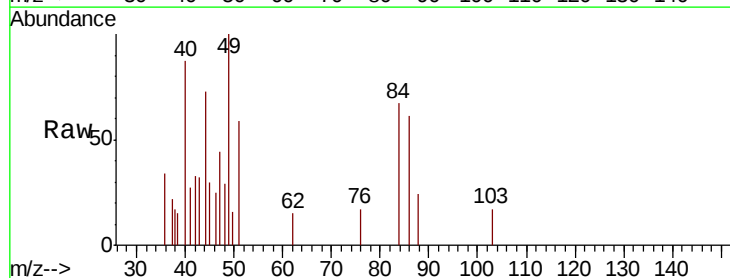
Instrument :
MSVOA_X
ClientSampleId :
EP1-W-5R(17-20)

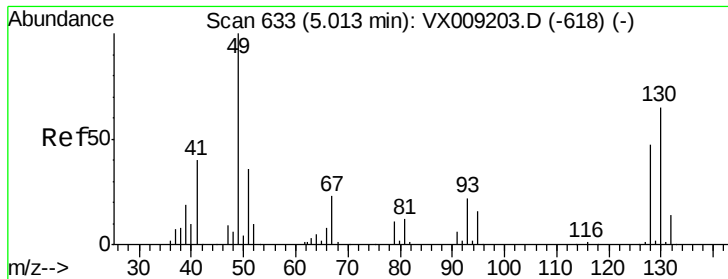
Tot Ion: 43 Resp: 2464
Ion Ratio Lower Upper
43 100
74 13.6 16.2 24.4#



#20
Methylene Chloride
Concen: 0.288 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX009878.D
Acq: 24 May 2019 11:53

Tgt Ion: 84 Resp: 506
Ion Ratio Lower Upper
84 100
49 149.6 109.9 164.9
51 88.9 32.7 49.1#
86 91.0 52.0 78.0#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

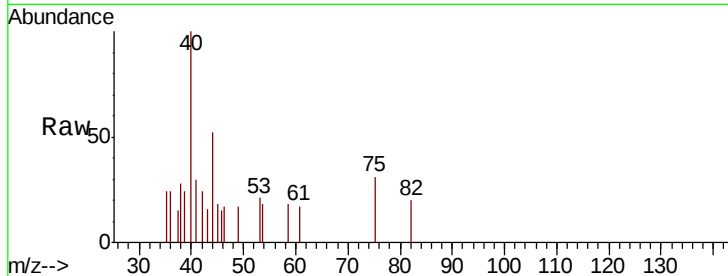
Delta R.T. 0.01 min

Lab File: VX009878.D

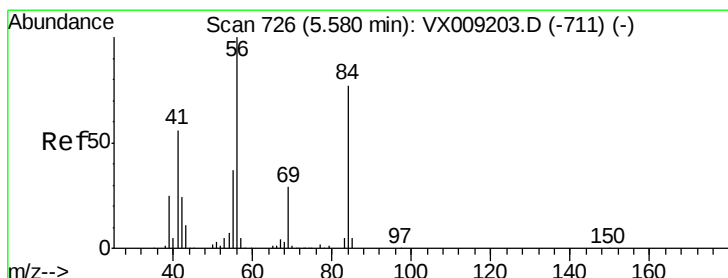
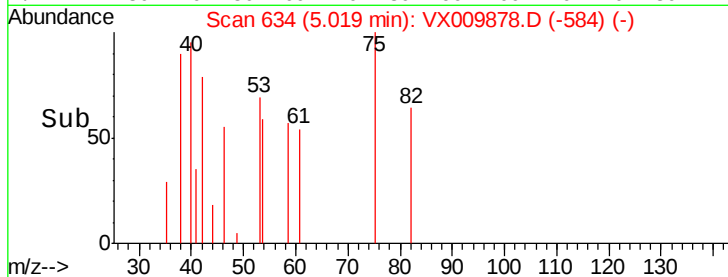
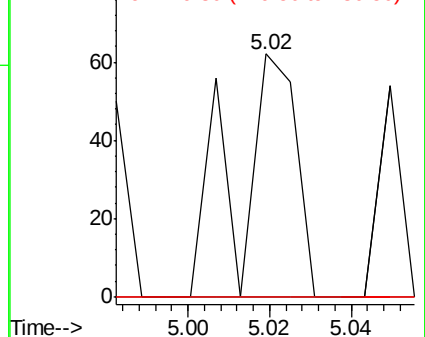
Acq: 24 May 2019 11:53

Instrument :
MSVOA_X
ClientSampleId :
EP1-W-5R(17-20)

Tot Ion: 49 Resp: 63
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.181 ug/l

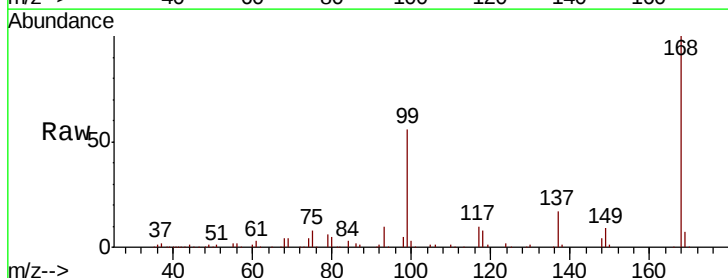
RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

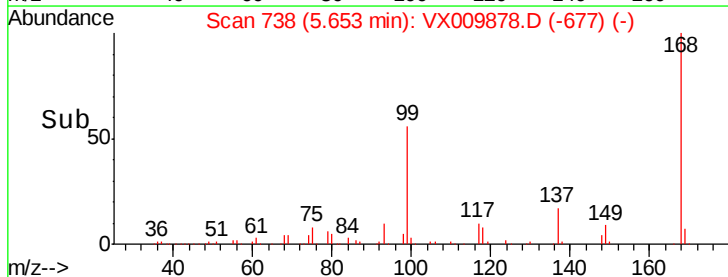
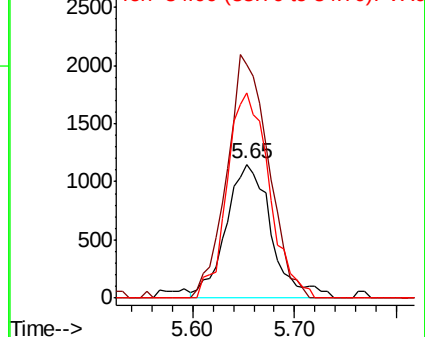
Lab File: VX009878.D

Acq: 24 May 2019 11:53

Tgt Ion: 56 Resp: 3534
Ion Ratio Lower Upper
56 100
69 174.8 23.4 35.0#
84 153.4 61.9 92.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

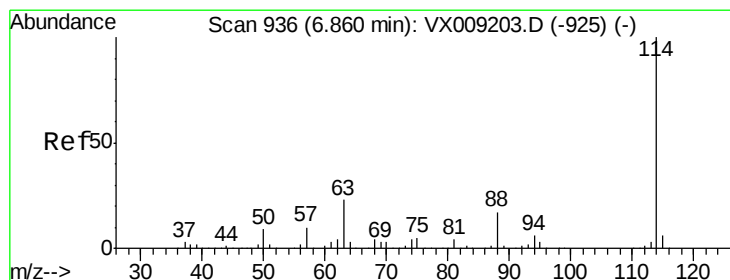
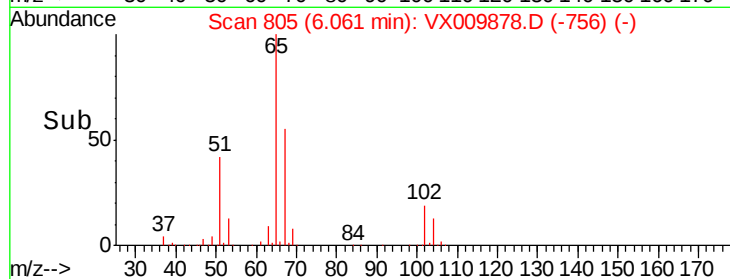
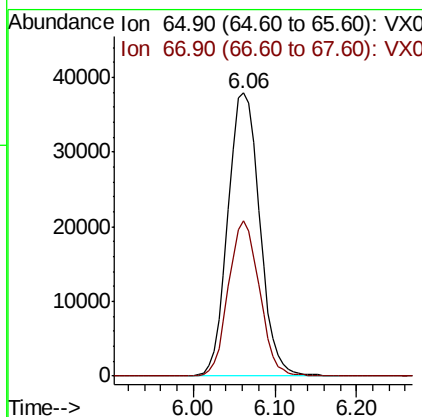
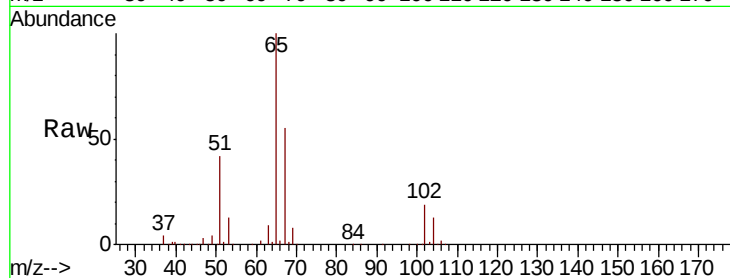




#33
 1,2-Dichloroethane-d4
 Concen: 50.603 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009878.D
 Acq: 24 May 2019 11:53

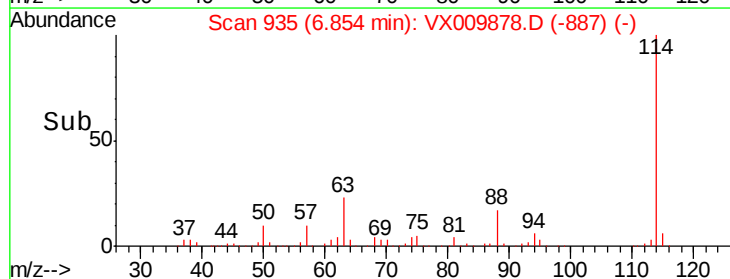
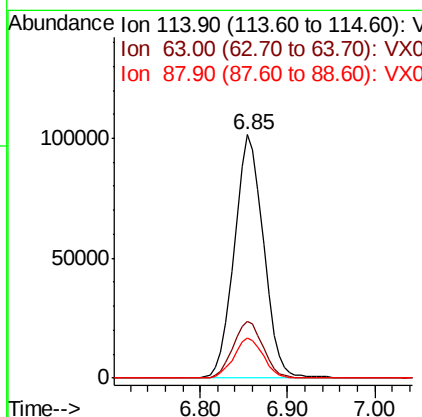
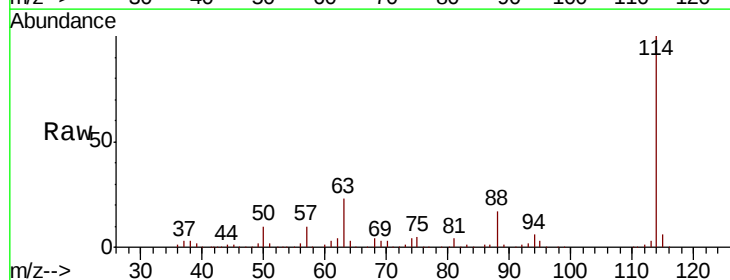
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 MSVOA_X
 ClientSampleId :
 EP1-W-5R(17-20)

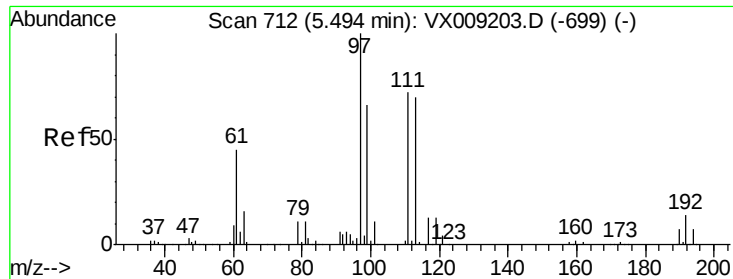
Tot Ion: 65 Resp: 102409
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009878.D
 Acq: 24 May 2019 11:53

Tgt Ion: 114 Resp: 236029
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.6
 88 16.5 0.0 33.2

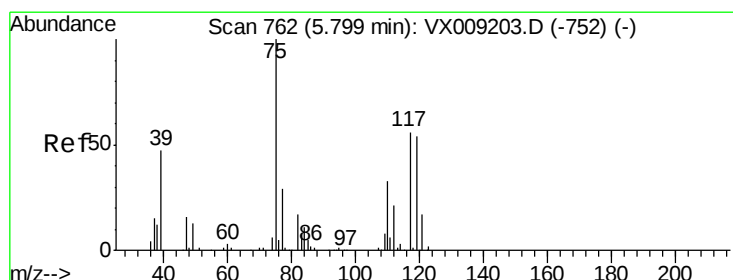
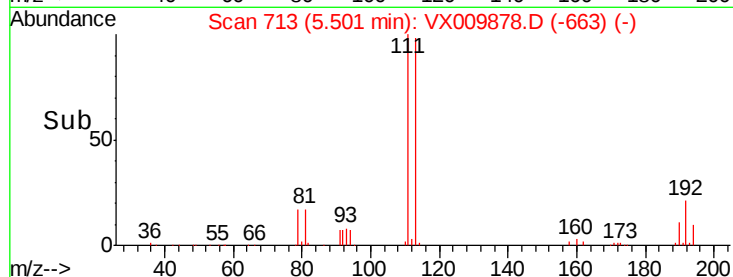
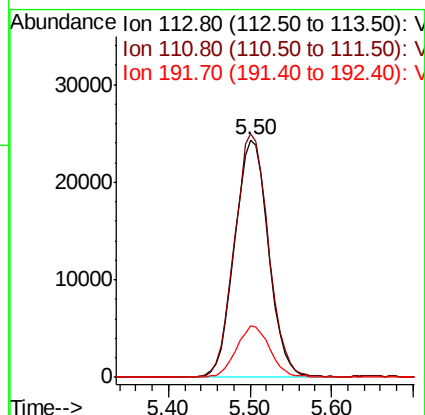
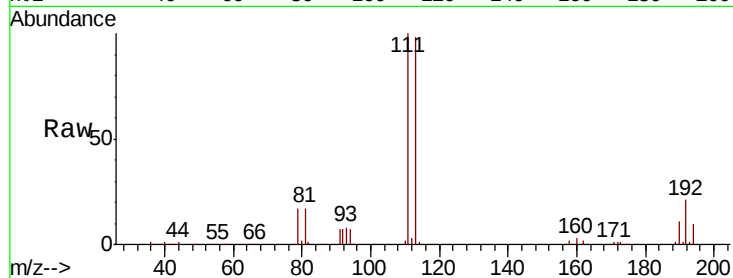




#35
 Dibromofluoromethane
 Concen: 47.132 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009878.D
 Acq: 24 May 2019 11:53

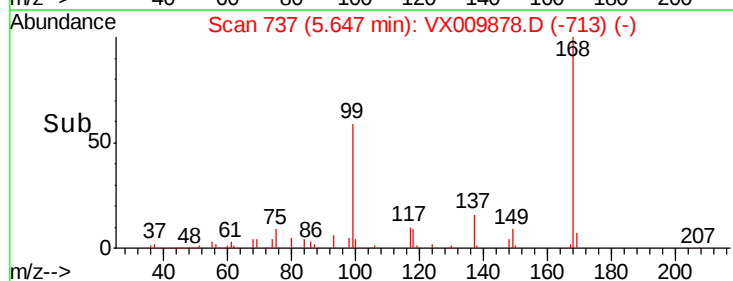
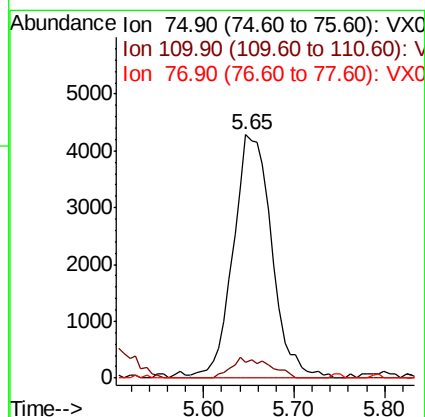
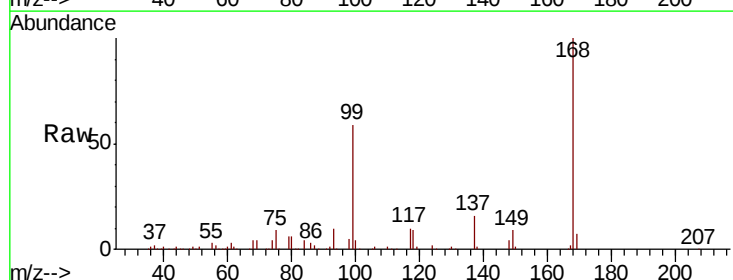
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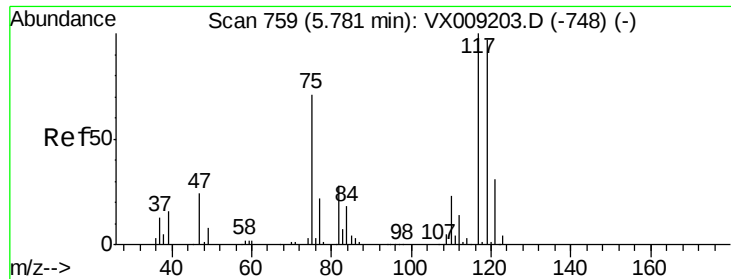
Tot Ion:113 Resp: 69933
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.8 124.2
 192 21.6 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.744 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.15 min
 Lab File: VX009878.D
 Acq: 24 May 2019 11:53

Tgt Ion: 75 Resp: 12600
 Ion Ratio Lower Upper
 75 100
 110 8.2 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.308 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009878.D

Acq: 24 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

EP1-W-5R(17-20)

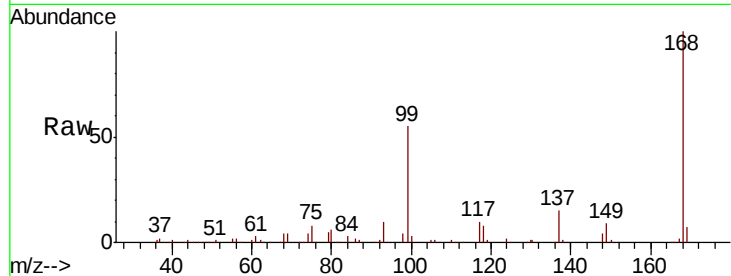
Tot Ion:117 Resp: 14564

Ion Ratio Lower Upper

117 100

119 7.2 77.5 116.3#

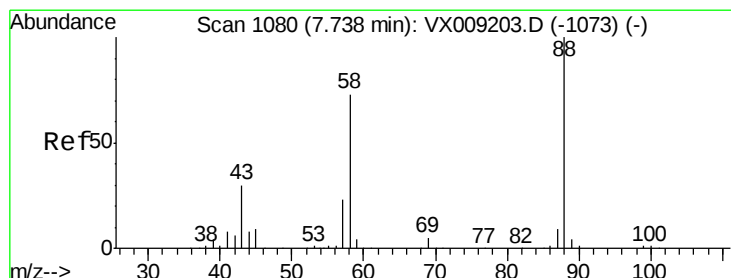
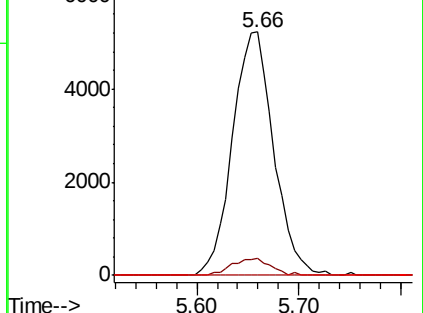
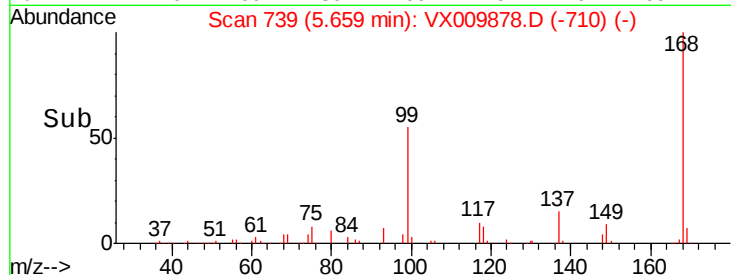
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.386 ug/l

RT: 7.70 min Scan# 1073

Delta R.T. -0.04 min

Lab File: VX009878.D

Acq: 24 May 2019 11:53

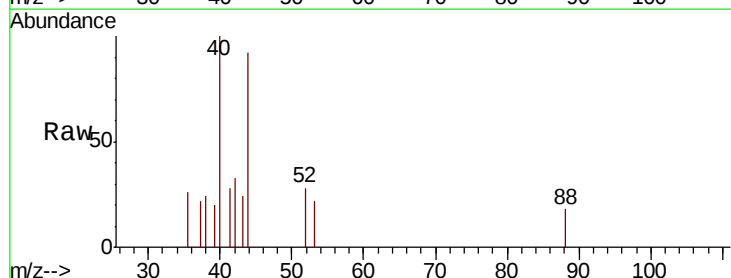
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

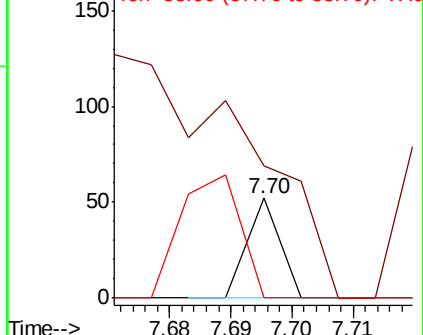
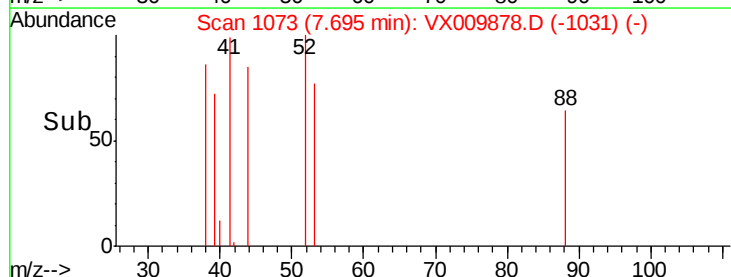
58 226.3 61.7 92.5#

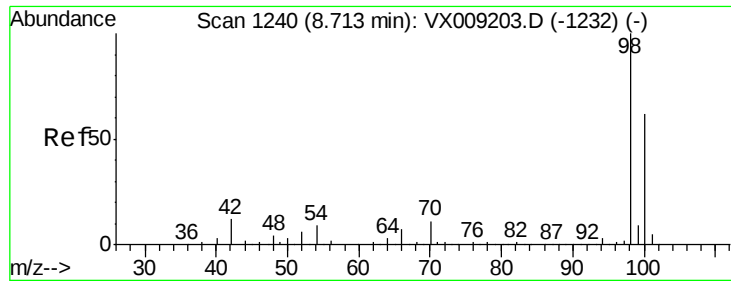


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

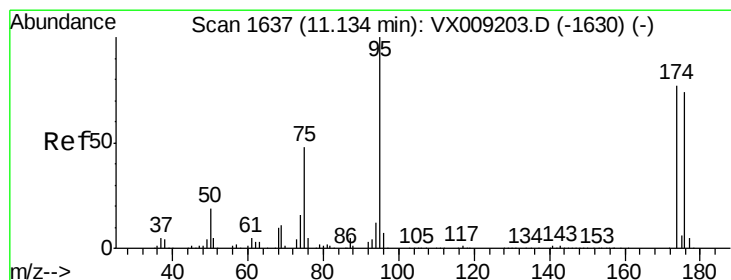
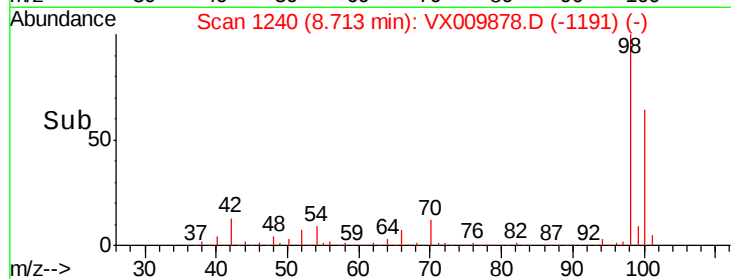
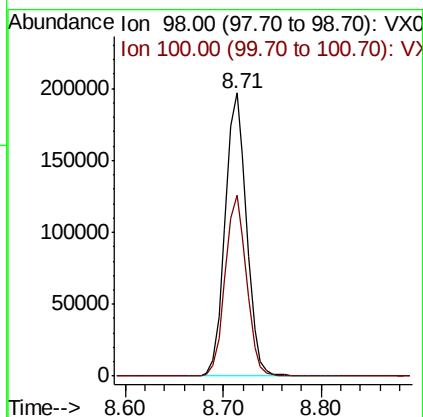
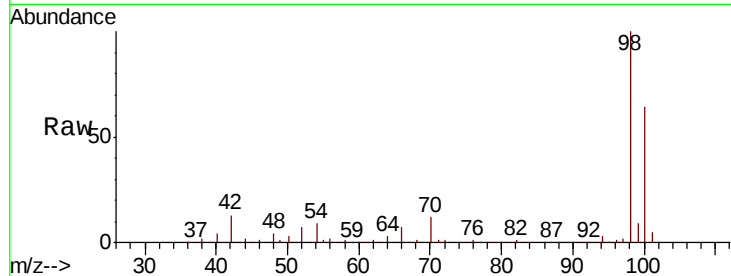




#50
Toluene-d8
Concen: 50.004 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009878.D
Acq: 24 May 2019 11:53

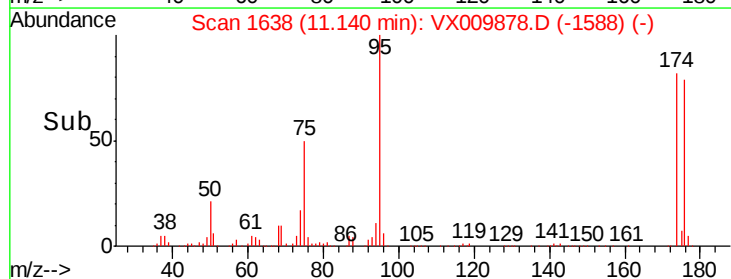
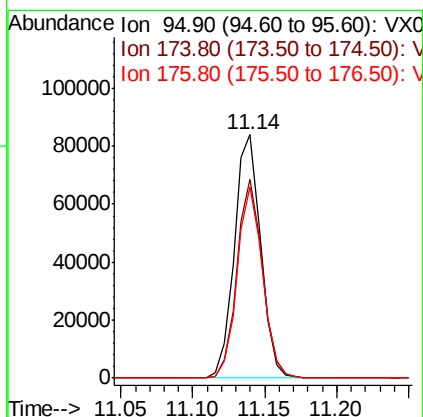
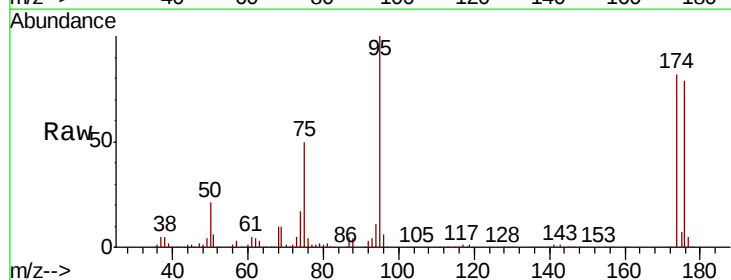
Instrument :
MSVOA_X
ClientSampleId :
EP1-W-5R(17-20)

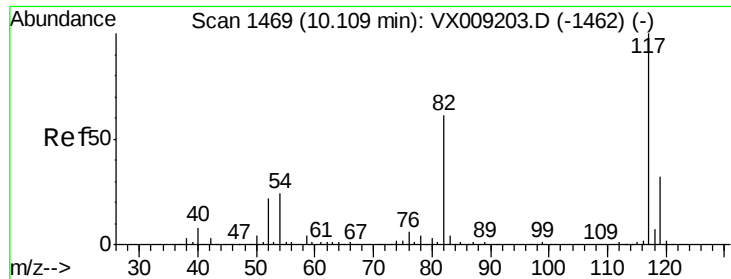
Tot Ion: 98 Resp: 299540
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 49.394 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX009878.D
Acq: 24 May 2019 11:53

Tgt Ion: 95 Resp: 107514
Ion Ratio Lower Upper
95 100
174 78.7 0.0 161.6
176 76.0 0.0 159.2

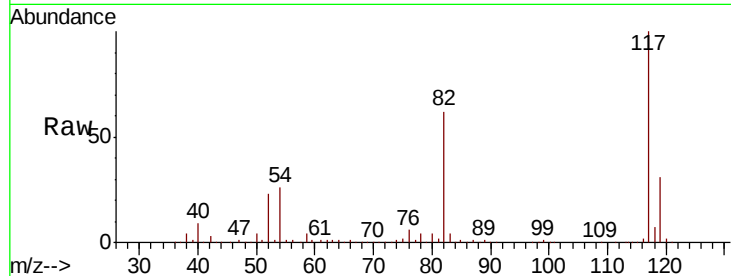




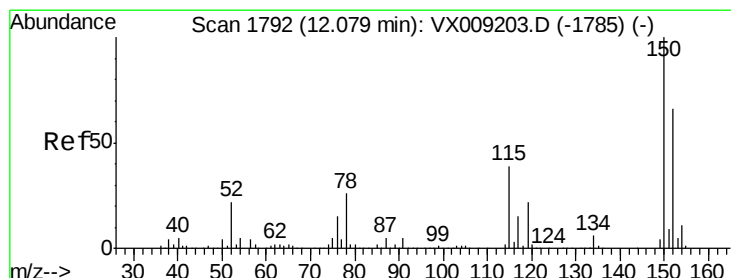
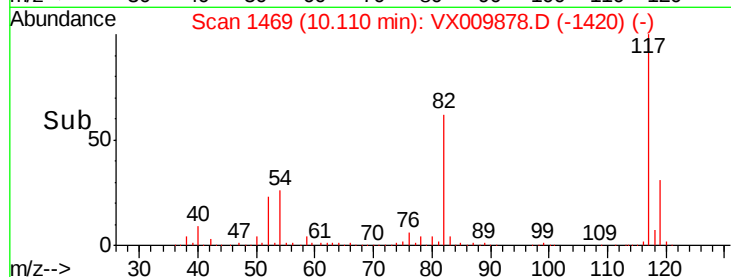
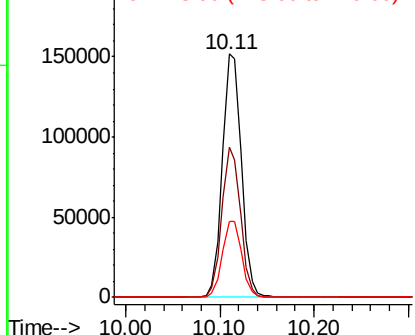
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009878.D
Acq: 24 May 2019 11:53

Instrument :
MSVOA_X
ClientSampleId :
EP1-W-5R(17-20)

Tot Ion:117 Resp: 213043
Ion Ratio Lower Upper
117 100
82 61.6 48.8 73.2
119 31.4 25.8 38.6

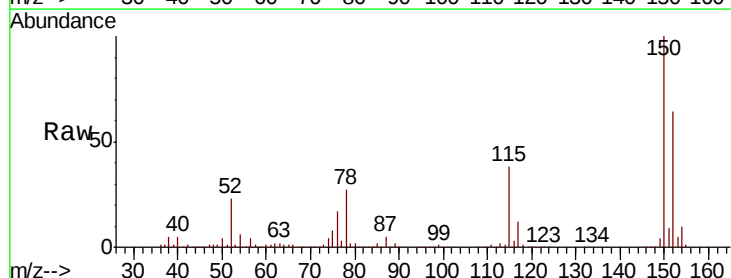


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

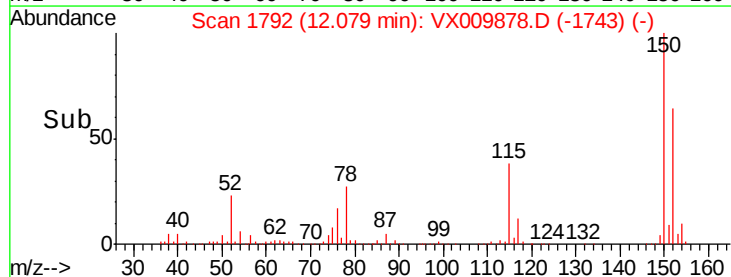
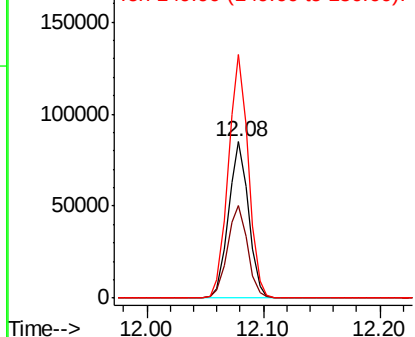


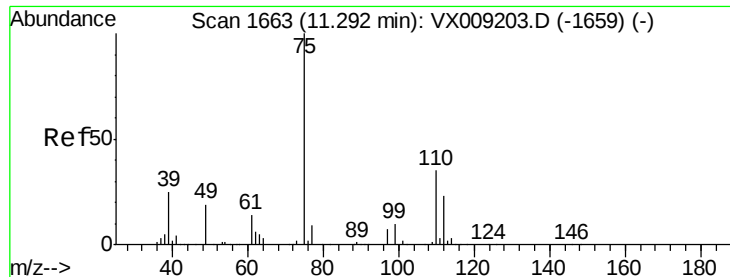
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009878.D
Acq: 24 May 2019 11:53

Tgt Ion:152 Resp: 100973
Ion Ratio Lower Upper
152 100
115 59.8 41.2 123.6
150 156.1 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.587 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.15 min

Lab File: VX009878.D

Acq: 24 May 2019 11:53

Instrument :

MSVOA_X

ClientSampleId :

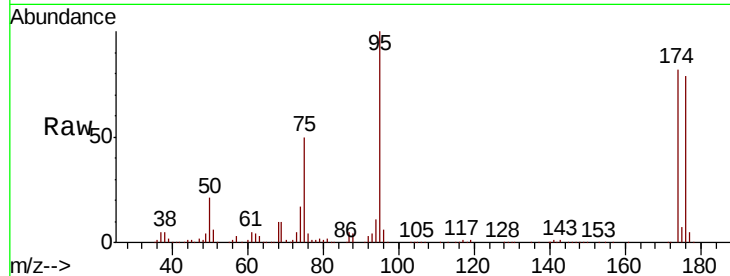
EP1-W-5R(17-20)

Tot Ion: 75 Resp: 55245

Ion Ratio Lower Upper

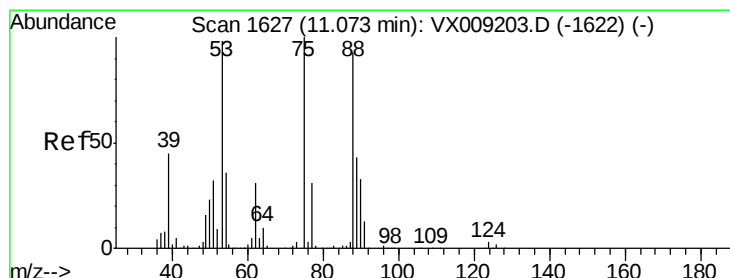
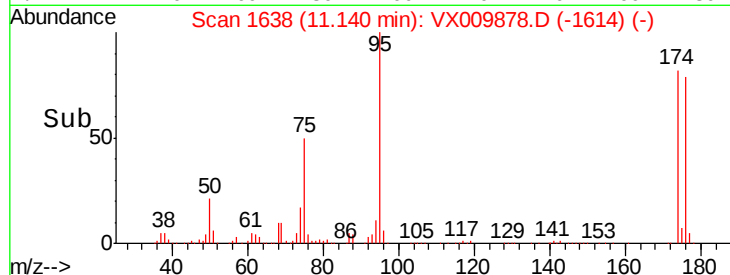
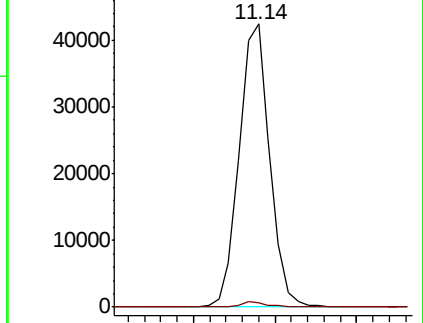
75 100

77 1.5 22.1 66.1#



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: 60.350 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX009878.D

Acq: 24 May 2019 11:53

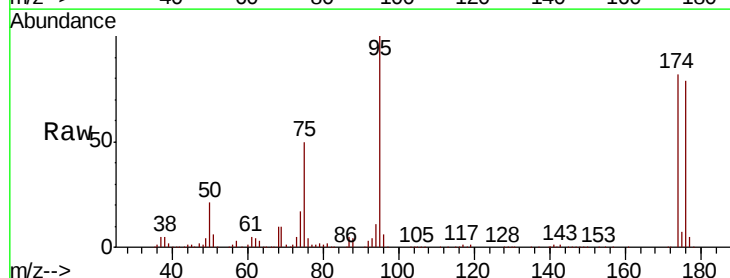
Tgt Ion: 75 Resp: 55245

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

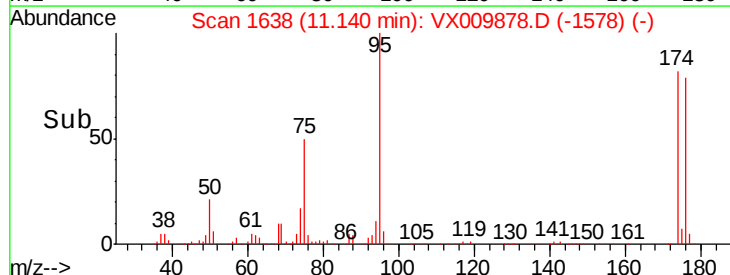
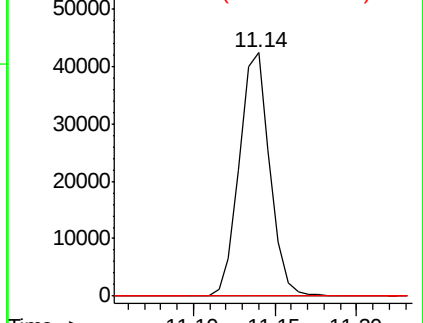
89 0.1 34.7 52.1#

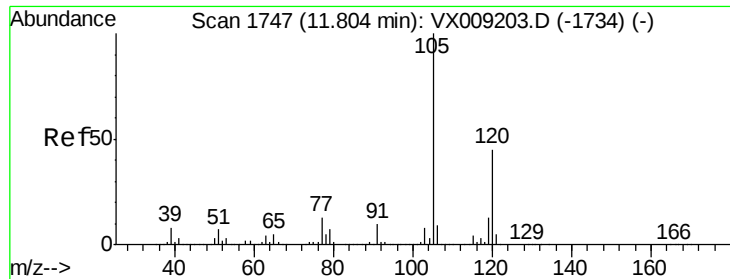


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

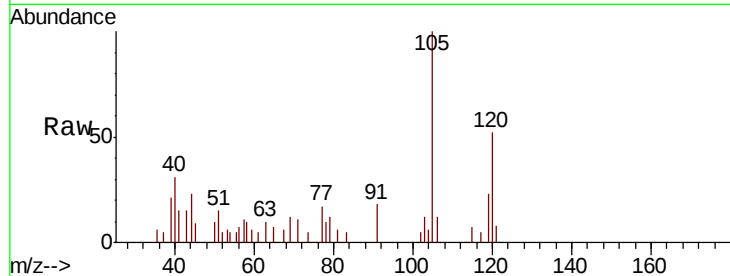




#84
 1,2,4-Trimethylbenzene
 Concen: 0.248 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009878.D
 Acq: 24 May 2019 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-W-5R(17-20)

Tot Ion:105 Resp: 1538
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

