

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\
 Data File : VX009573.D
 Acq On : 15 May 2019 12:31
 Operator : JC/SP
 Sample : K2836-01
 Misc : 5.26g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:08:58 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	169026	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	268949	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	236246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116319	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	110233	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
35) Dibromofluoromethane	5.50	113	77517	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	
50) Toluene-d8	8.71	98	338103	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.14	95	117513	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	

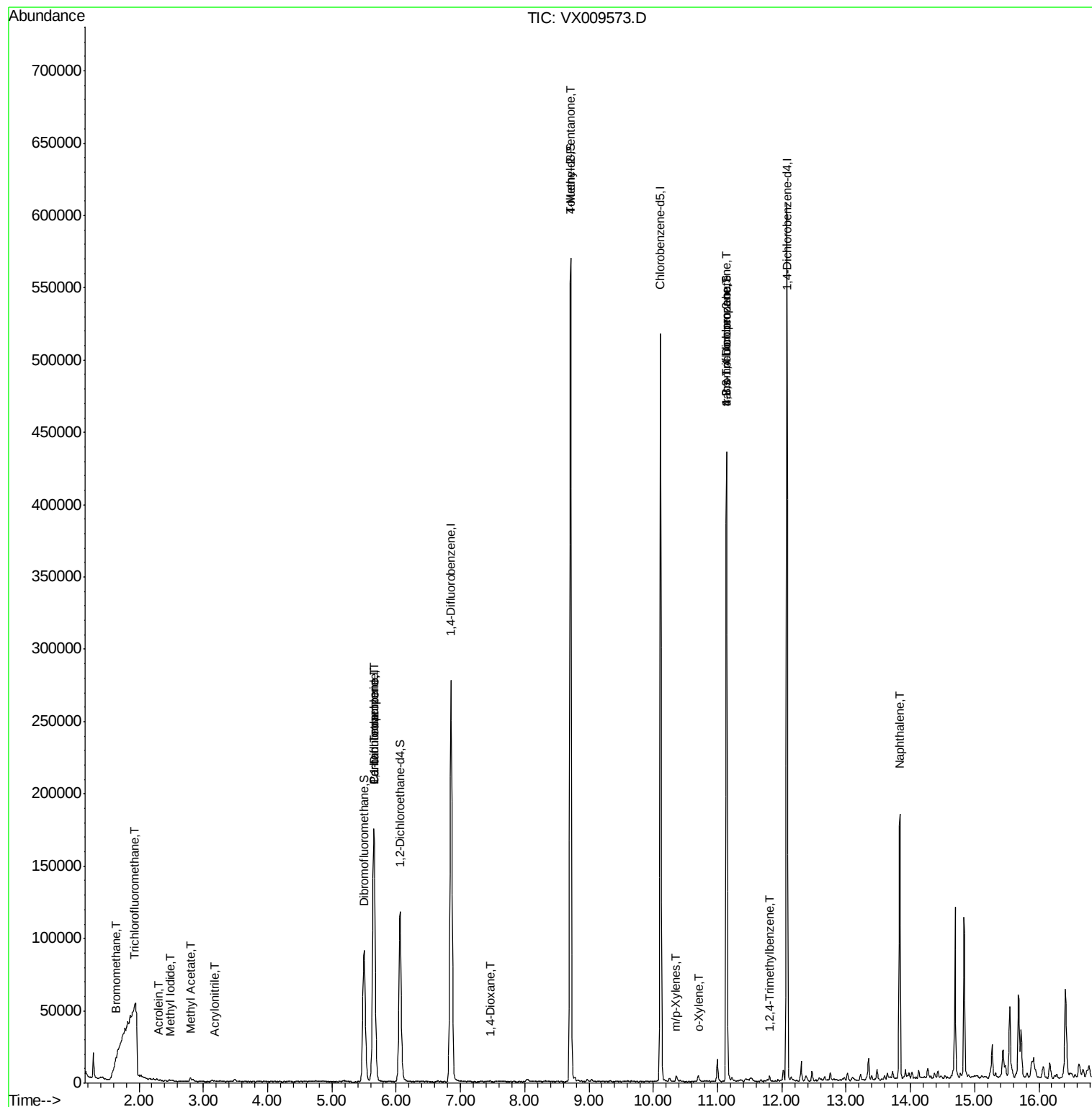
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	703	0.565	ug/l	82
7) Trichlorofluoromethane	1.93	101	623	0.247	ug/l	100
10) Methyl Iodide	2.48	142	496	4.839	ug/l #	81
13) Acrolein	2.30	56	144	0.298	ug/l	96
15) Acrylonitrile	3.18	53	505	0.387	ug/l #	58
18) Methyl Acetate	2.80	43	3320	1.127	ug/l	93
28) Bromochloromethane	4.96	49	45	Below Cal	#	20
36) 1,1-Dichloropropene	5.65	75	13034	5.215	ug/l #	51
38) Carbon Tetrachloride	5.65	117	15782	6.950	ug/l #	17
49) 1,4-Dioxane	7.46	88	19	0.339	ug/l #	20
51) 4-Methyl-2-Pentanone	8.71	43	2072	0.569	ug/l #	1
68) m/p-Xylenes	10.36	106	989	0.311	ug/l	97
69) o-Xylene	10.69	106	810	0.258	ug/l	85
76) 1,2,3-Trichloropropane	11.14	75	60348	22.366	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	60348	57.227	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	1562	0.218	ug/l	88
95) Naphthalene	13.83	128	112519	13.267	ug/l	99

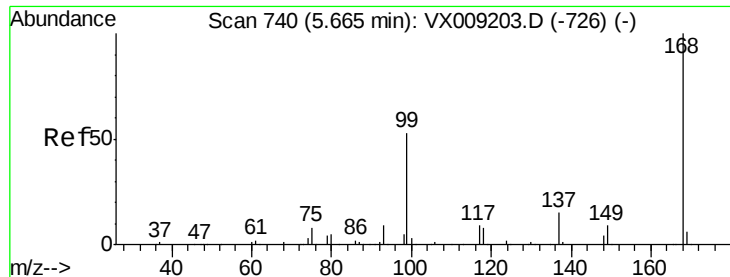
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051519\
Data File : VX009573.D
Acq On : 15 May 2019 12:31
Operator : JC/SP
Sample : K2836-01
Misc : 5.26g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 16 01:08:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
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: VX009573.D

Acq: 15 May 2019 12:31

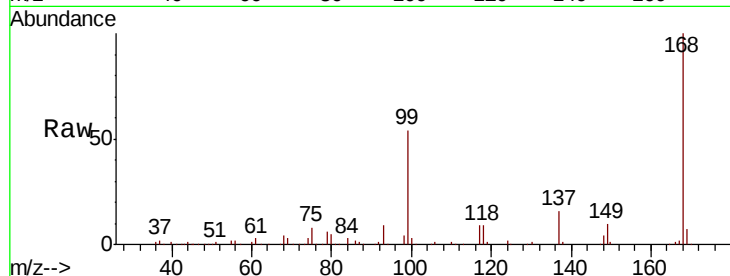
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 169026

Ion Ratio Lower Upper

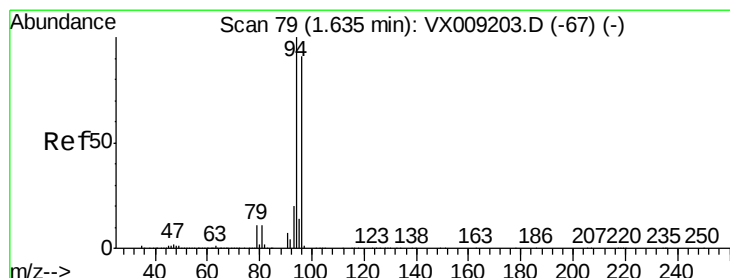
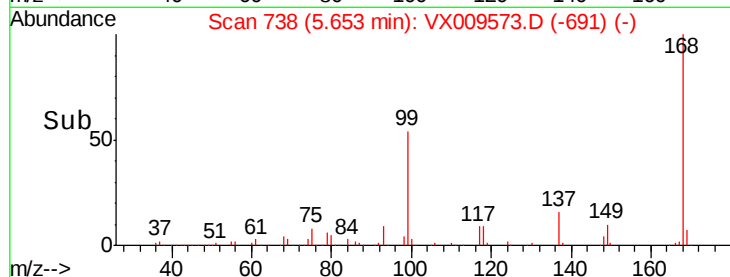
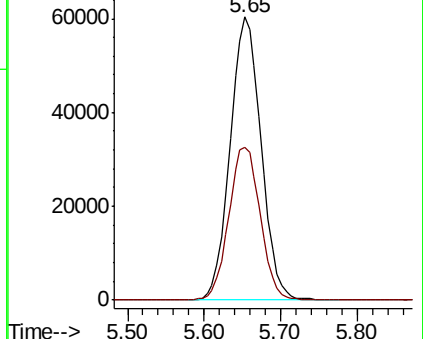
168 100

99 54.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.565 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009573.D

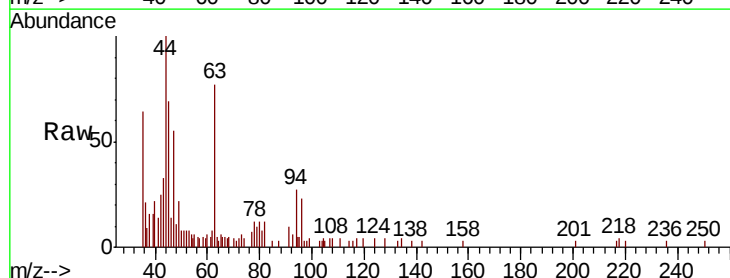
Acq: 15 May 2019 12:31

Tgt Ion: 94 Resp: 703

Ion Ratio Lower Upper

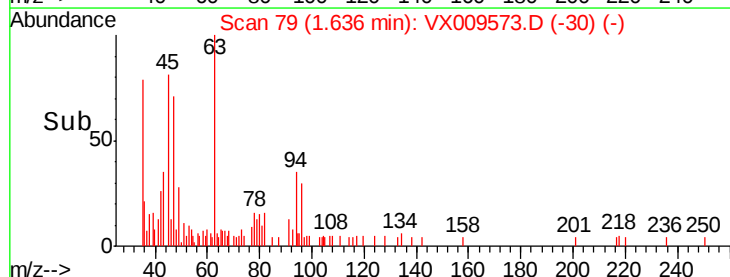
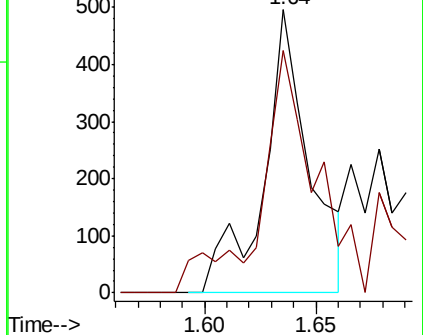
94 100

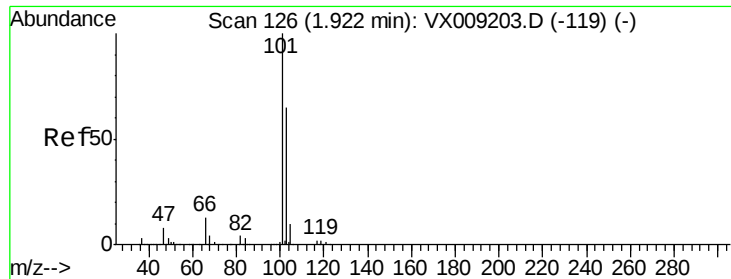
96 74.4 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



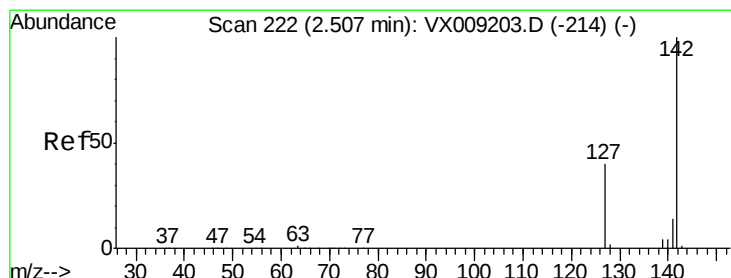
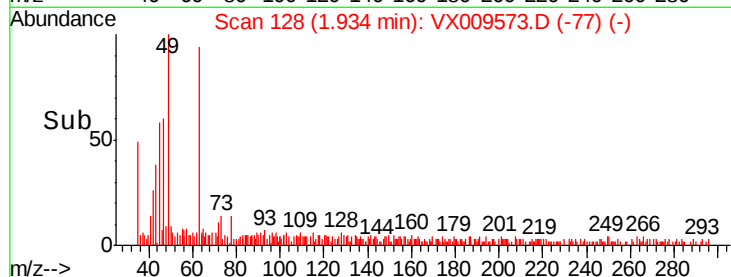
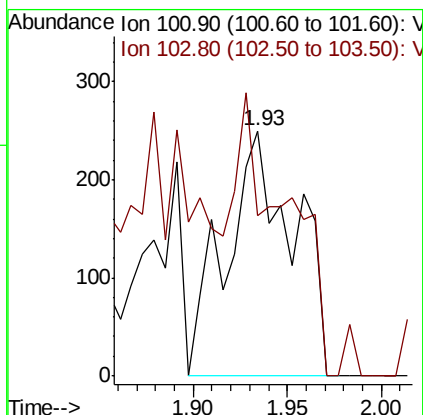
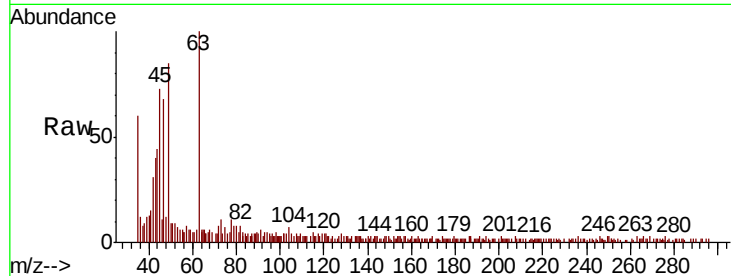


#7

Trichlorofluoromethane
Concen: 0.247 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX009573.D
Acq: 15 May 2019 12:31

Instrument :
MSVOA_X
ClientSampled :

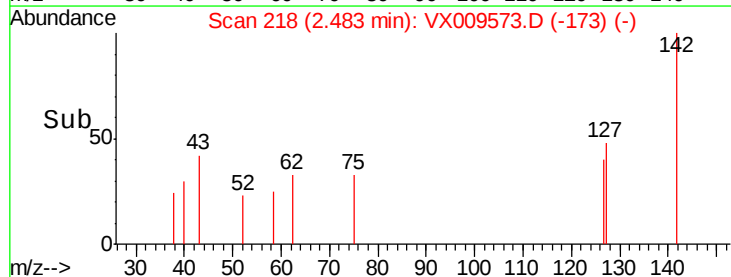
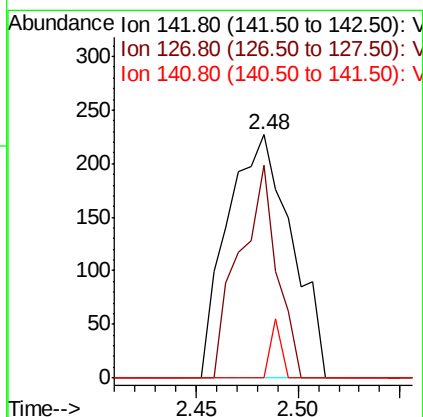
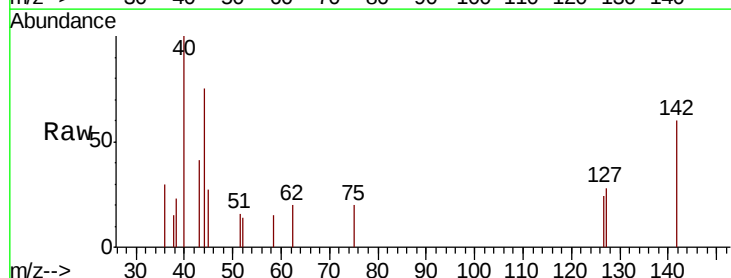
Tot Ion:101 Resp: 623
Ion Ratio Lower Upper
101 100
103 65.2 52.4 78.6

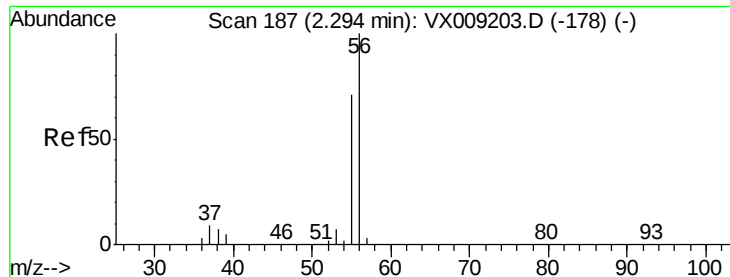


#10

Methyl Iodide
Concen: 4.839 ug/l
RT: 2.48 min Scan# 218
Delta R.T. -0.02 min
Lab File: VX009573.D
Acq: 15 May 2019 12:31

Tgt Ion:142 Resp: 496
Ion Ratio Lower Upper
142 100
127 51.2 32.7 49.1#
141 4.0 11.5 17.3#





#13

Acrolein

Concen: 0.298 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX009573.D

Acq: 15 May 2019 12:31

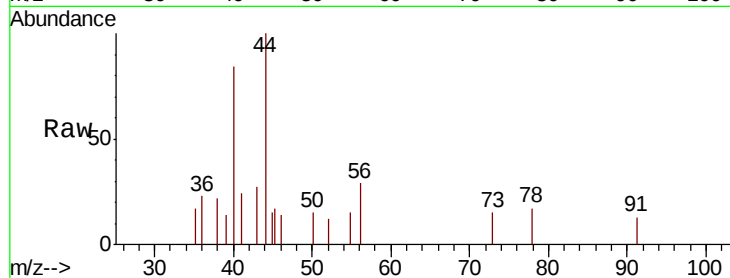
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 144

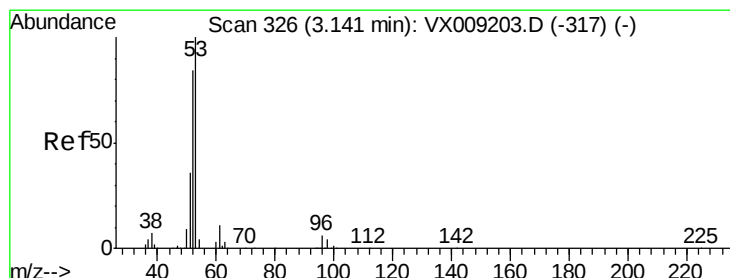
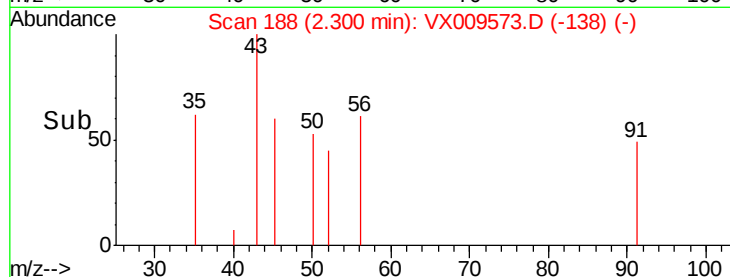
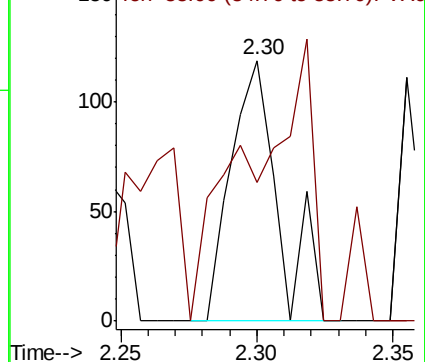
Ion Ratio Lower Upper

56 100

55 67.4 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.387 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.04 min

Lab File: VX009573.D

Acq: 15 May 2019 12:31

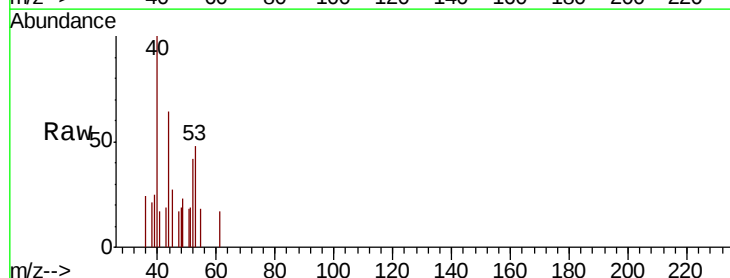
Tgt Ion: 53 Resp: 505

Ion Ratio Lower Upper

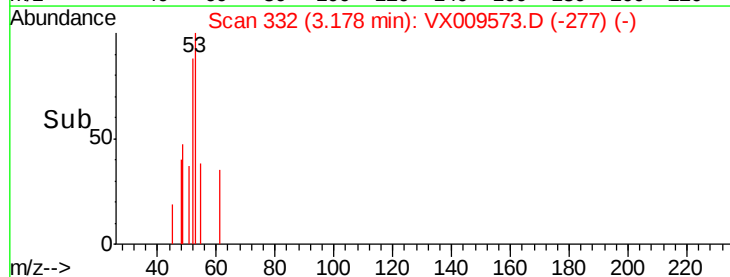
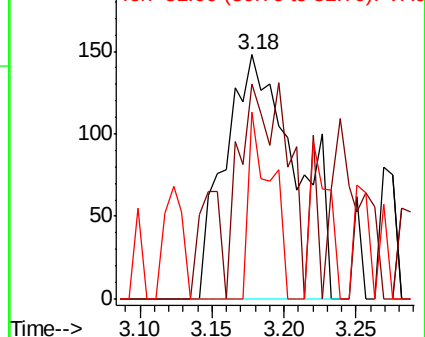
53 100

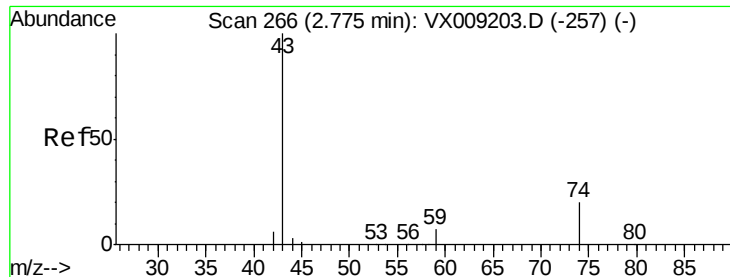
52 37.0 66.9 100.3#

51 24.4 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0

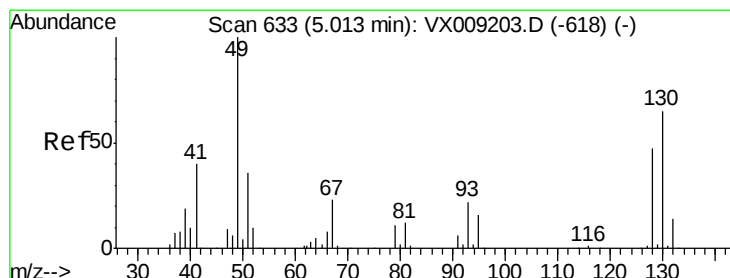
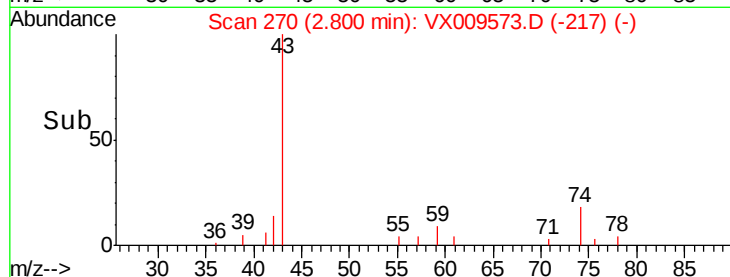
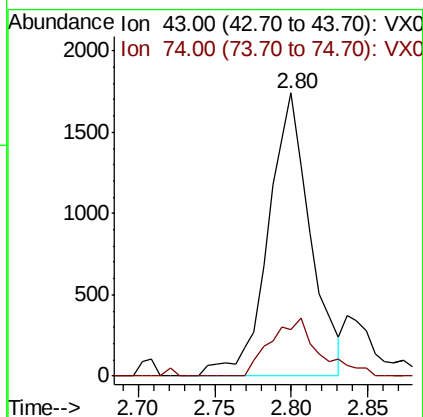
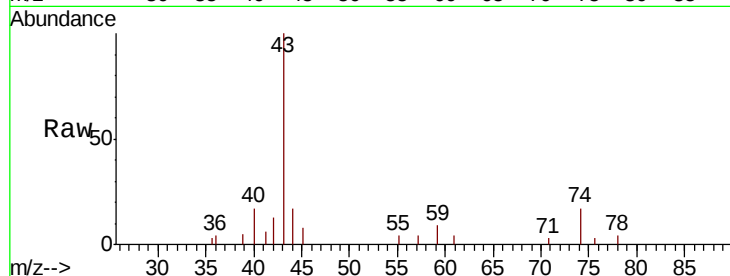




#18
Methyl Acetate
Concen: 1.127 ug/l
RT: 2.80 min Scan# 270
Delta R.T. 0.02 min
Lab File: VX009573.D
Acq: 15 May 2019 12:31

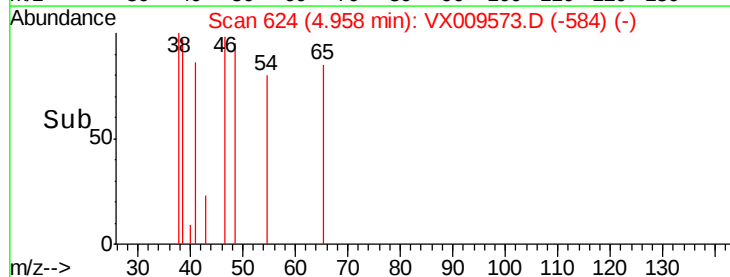
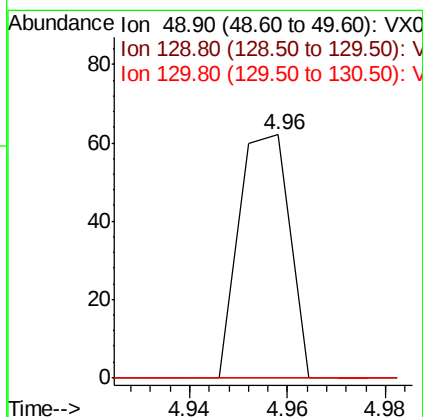
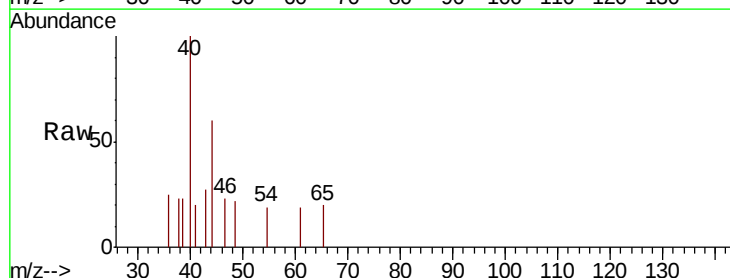
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 3320
Ion Ratio Lower Upper
43 100
74 23.6 16.2 24.4



#28
Bromochloromethane
Concen: Below Cal
RT: 4.96 min Scan# 624
Delta R.T. -0.05 min
Lab File: VX009573.D
Acq: 15 May 2019 12:31

Tgt Ion: 49 Resp: 45
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#





#33

1,2-Dichloroethane-d4

Concen: 47.774 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009573.D

Acq: 15 May 2019 12:31

Instrument :

MSVOA_X

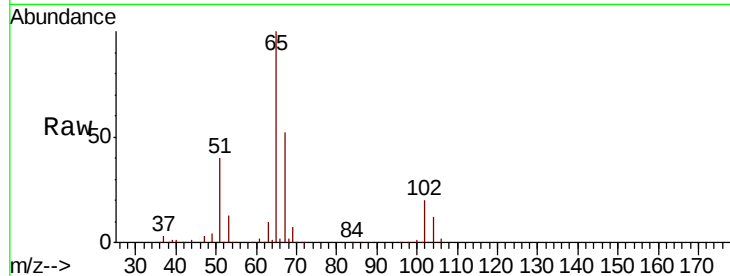
ClientSampleId :

Tot Ion: 65 Resp: 110233

Ion Ratio Lower Upper

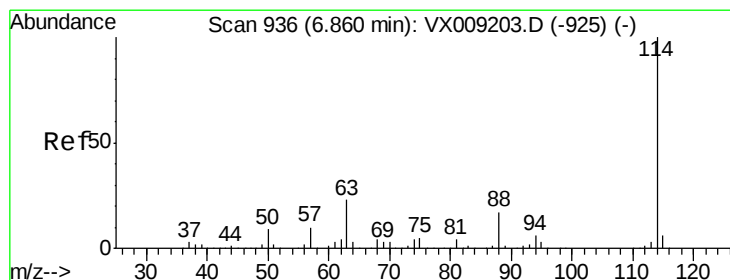
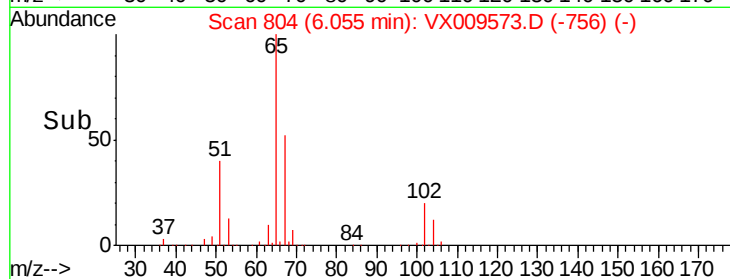
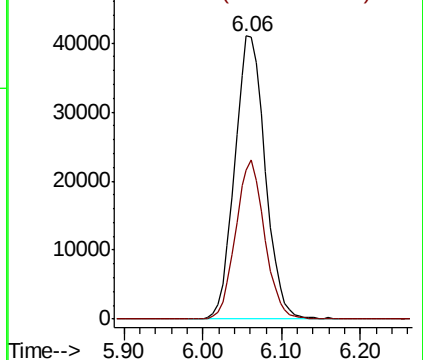
65 100

67 53.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009573.D

Acq: 15 May 2019 12:31

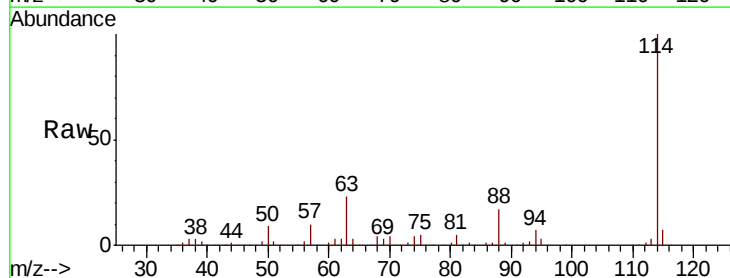
Tgt Ion: 114 Resp: 268949

Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.6

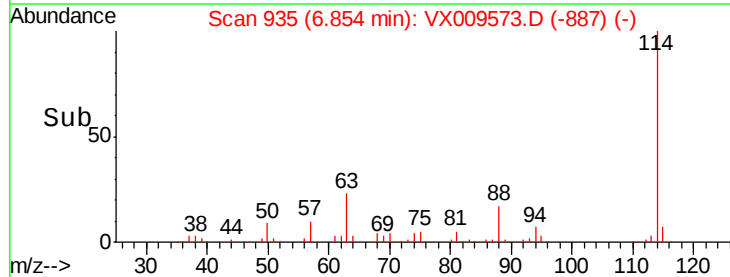
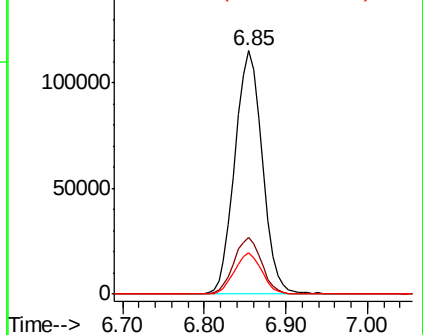
88 16.8 0.0 33.2

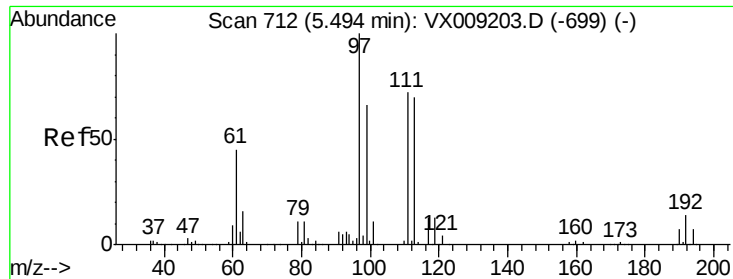


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

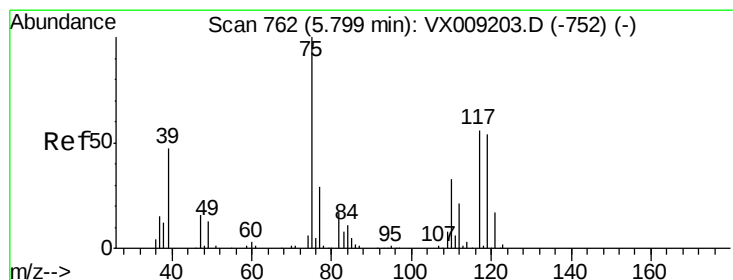
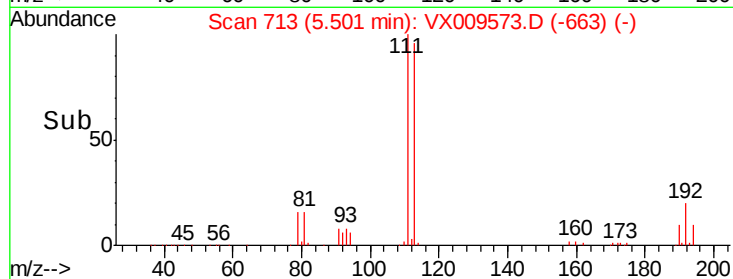
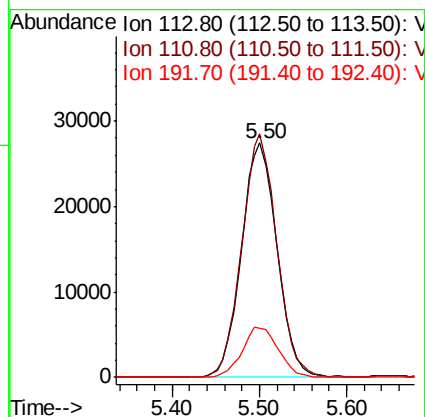
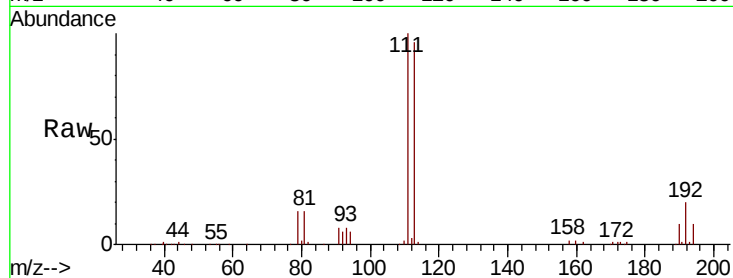




#35
 Dibromofluoromethane
 Concen: 45.848 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009573.D
 Acq: 15 May 2019 12:31

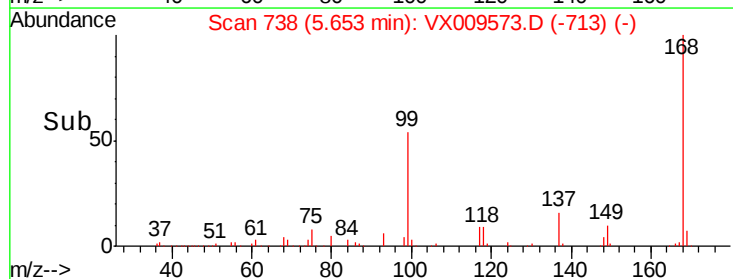
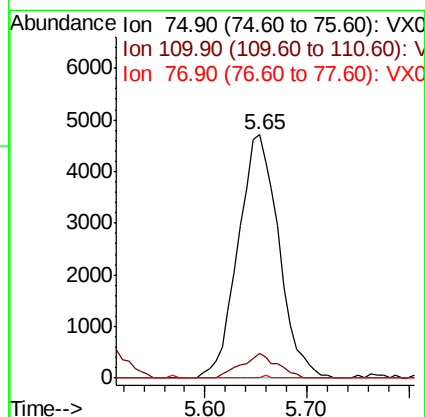
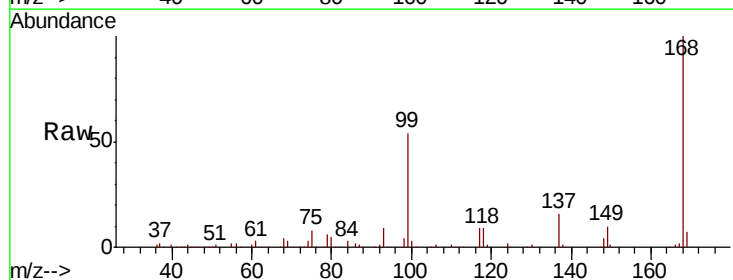
Instrument :
 MSVOA_X
 ClientSampleId :

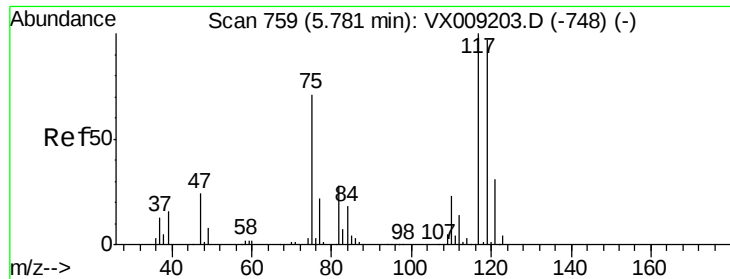
Tot Ion:113 Resp: 77517
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.8 124.2
 192 22.0 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.215 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX009573.D
 Acq: 15 May 2019 12:31

Tgt Ion: 75 Resp: 13034
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.9 50.6#
 77 0.2 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.950 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX009573.D

Acq: 15 May 2019 12:31

Instrument :

MSVOA_X

ClientSampled :

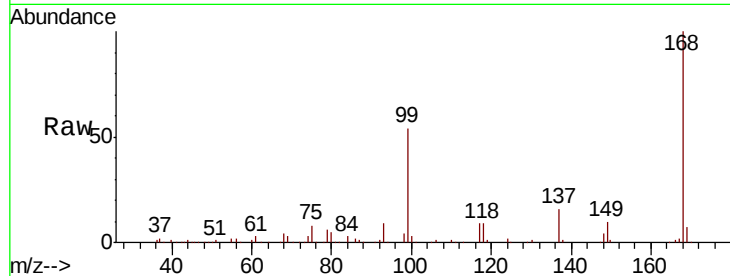
Tot Ion:117 Resp: 15782

Ion Ratio Lower Upper

117 100

119 6.8 77.5 116.3#

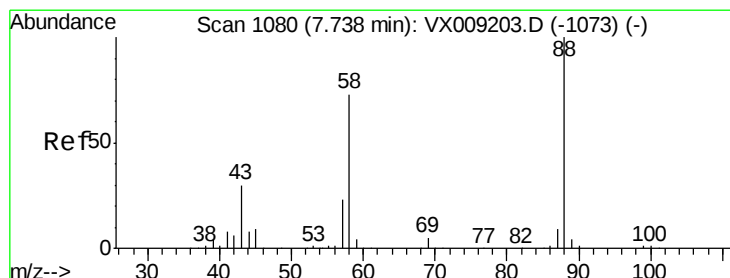
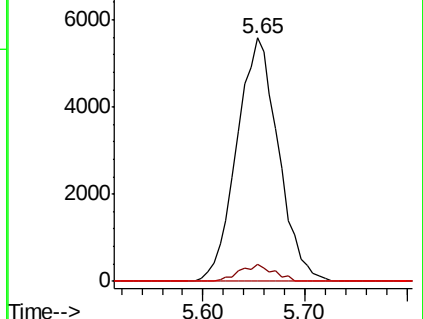
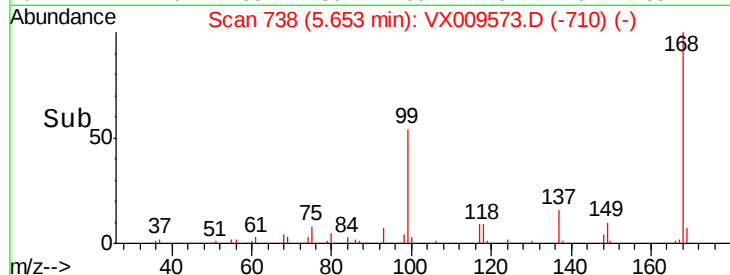
121 0.0 24.7 37.1#



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: 0.339 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.28 min

Lab File: VX009573.D

Acq: 15 May 2019 12:31

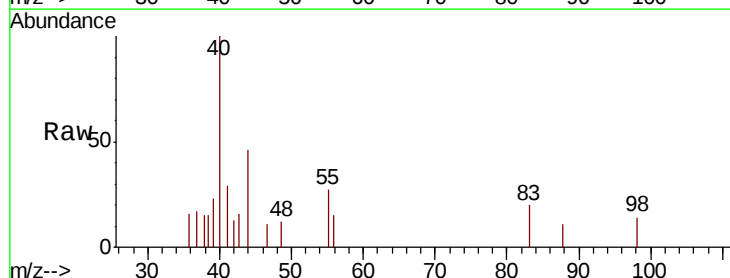
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

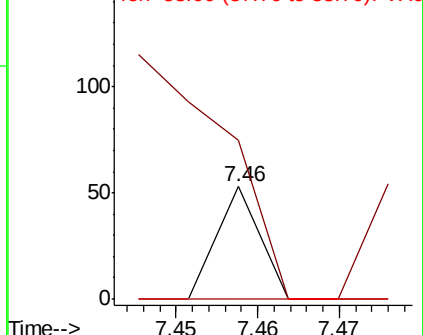
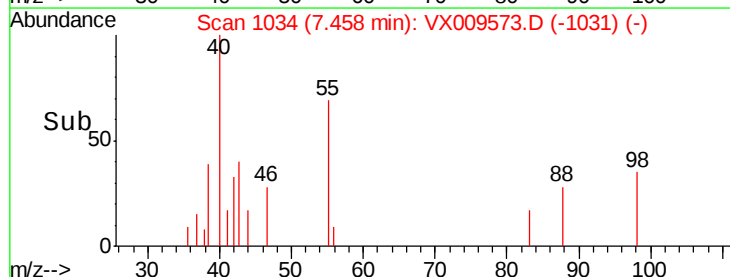
58 0.0 61.7 92.5#

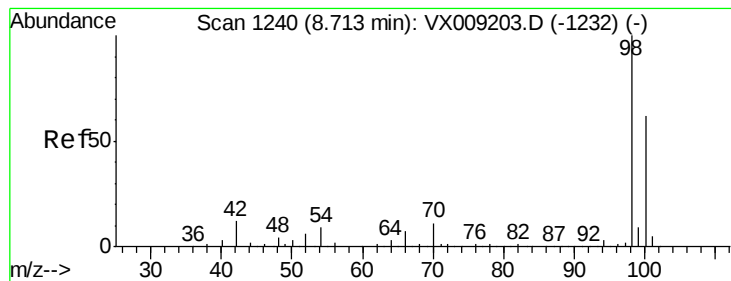


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.533 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009573.D

Acq: 15 May 2019 12:31

Instrument :

MSVOA_X

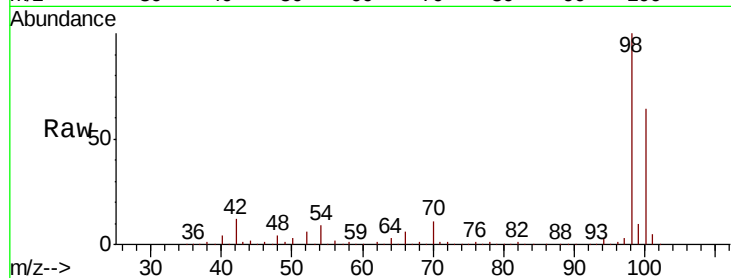
ClientSampled :

Tot Ion: 98 Resp: 338103

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX009573.D (-1191) (-)

Ion 100.00 (99.70 to 100.70): VX009573.D (-1191) (-)

8.71

250000

200000

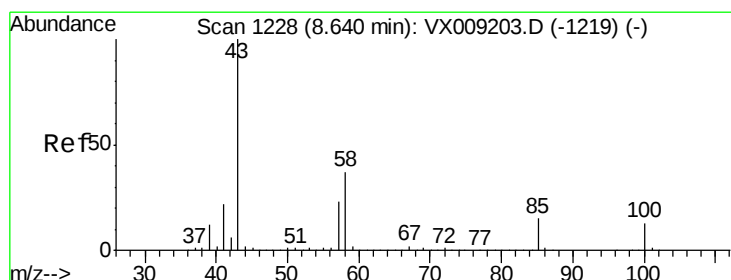
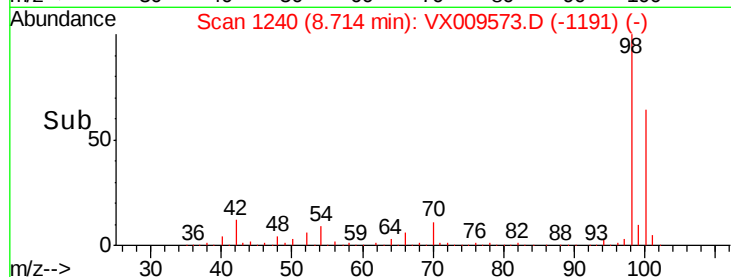
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#51

4-Methyl-2-Pentanone

Concen: 0.569 ug/l

RT: 8.71 min Scan# 1239

Delta R.T. 0.07 min

Lab File: VX009573.D

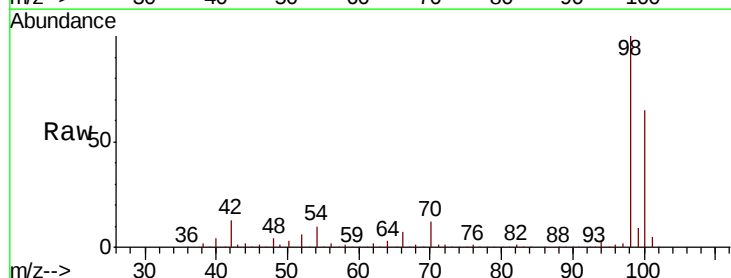
Acq: 15 May 2019 12:31

Tgt Ion: 43 Resp: 2072

Ion Ratio Lower Upper

43 100

58 157.8 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VX009573.D (-1179) (-)

Ion 58.00 (57.70 to 58.70): VX009573.D (-1179) (-)

8.71

2000

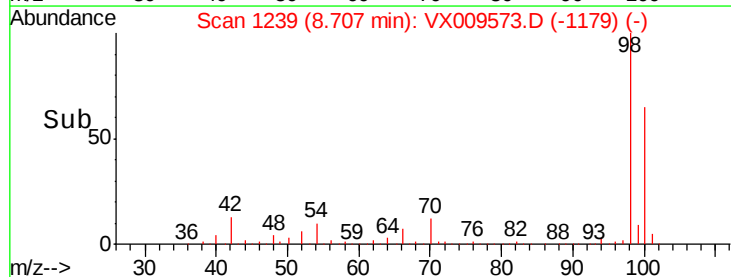
1500

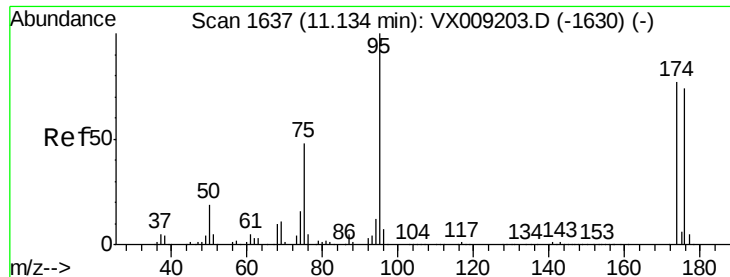
1000

500

0

Time--> 8.65 8.70 8.75





#62

4-Bromofluorobenzene

Concen: 47.379 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX009573.D

Acq: 15 May 2019 12:31

Instrument :

MSVOA_X

ClientSampleId :

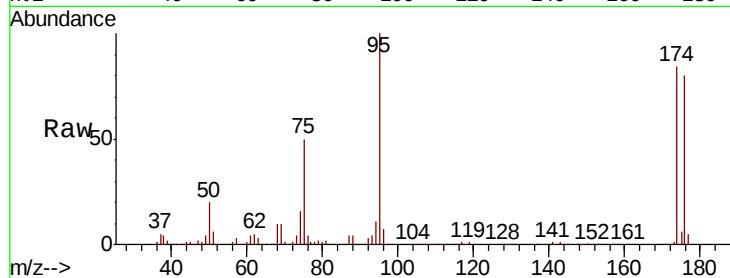
Tot Ion: 95 Resp: 117513

Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

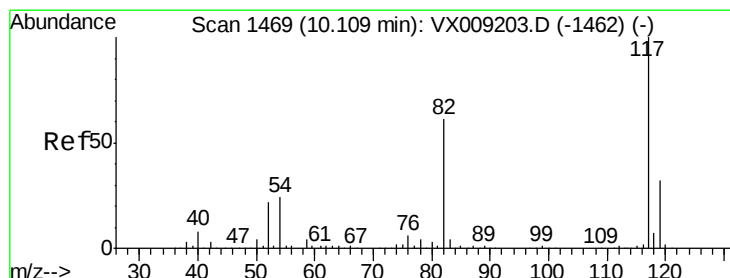
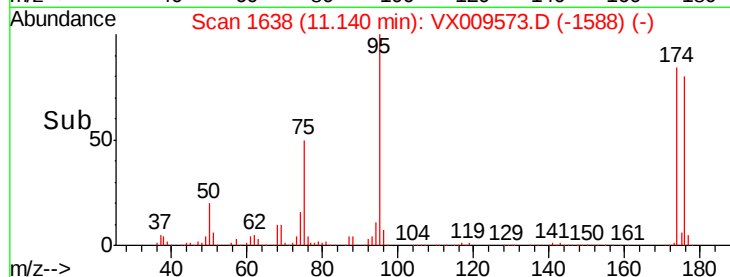
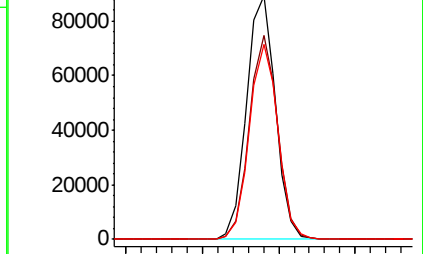
176 79.3 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009573.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX009573.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX009573.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009573.D

Acq: 15 May 2019 12:31

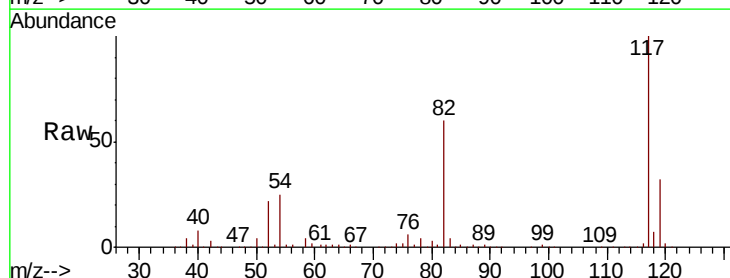
Tgt Ion: 117 Resp: 236246

Ion Ratio Lower Upper

117 100

82 59.9 48.8 73.2

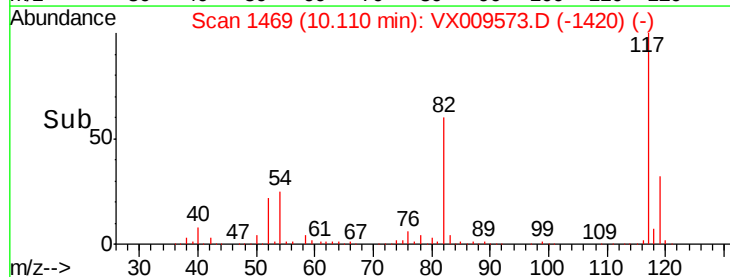
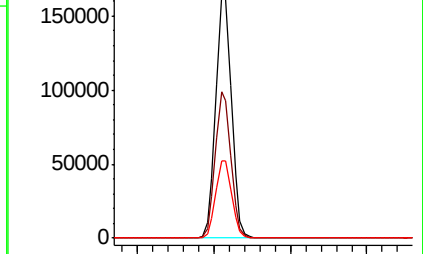
119 31.5 25.8 38.6

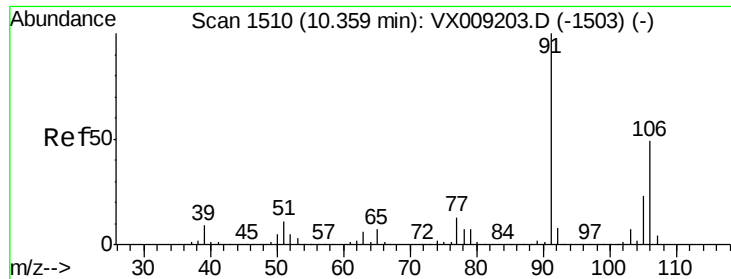


Abundance Ion 116.90 (116.60 to 117.60): VX009573.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009573.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009573.D (-1420) (-)

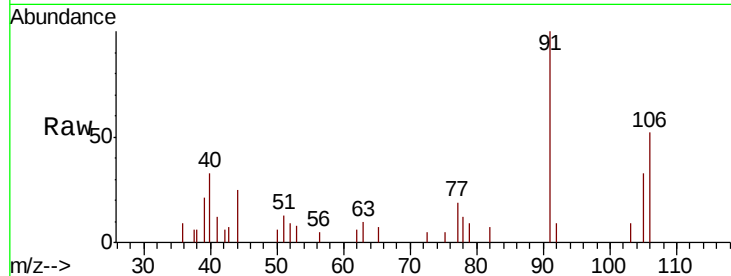




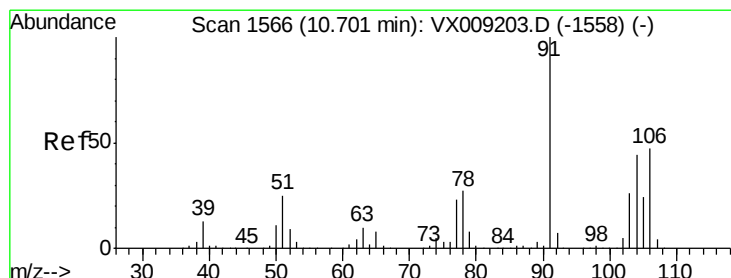
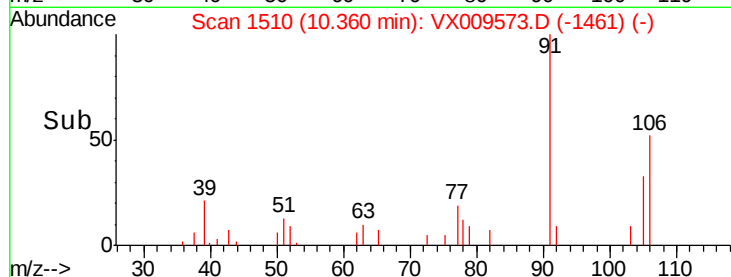
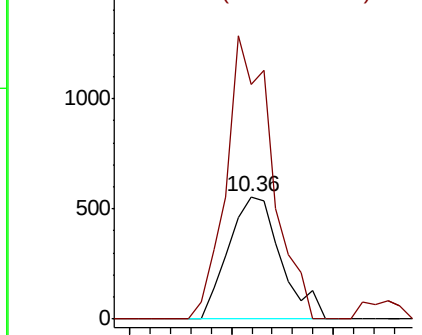
#68
m/p-Xylenes
Concen: 0.311 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009573.D
Acq: 15 May 2019 12:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 989
Ion Ratio Lower Upper
106 100
91 201.0 164.0 246.0

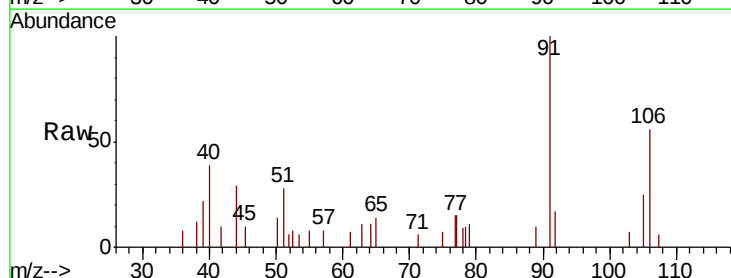


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

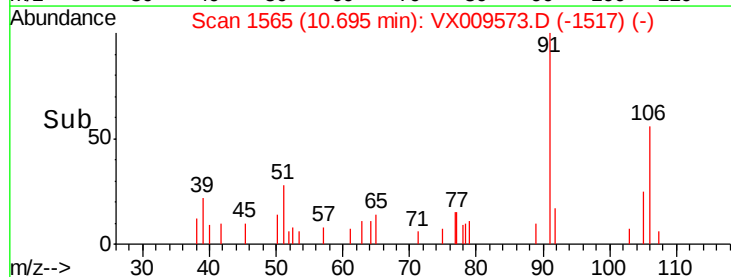
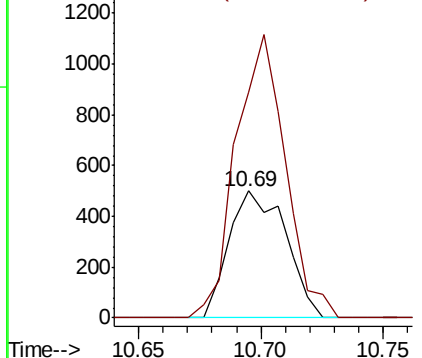


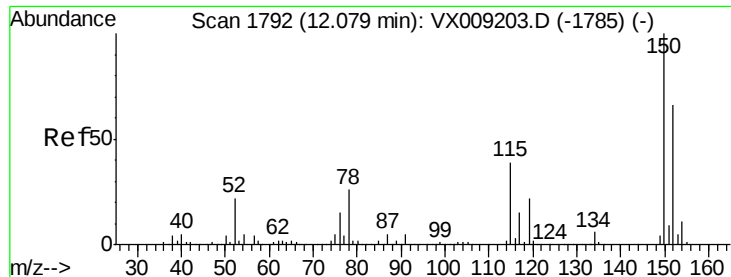
#69
o-Xylene
Concen: 0.258 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009573.D
Acq: 15 May 2019 12:31

Tgt Ion:106 Resp: 810
Ion Ratio Lower Upper
106 100
91 194.9 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009573.D

Acq: 15 May 2019 12:31

Instrument :

MSVOA_X

ClientSampleId :

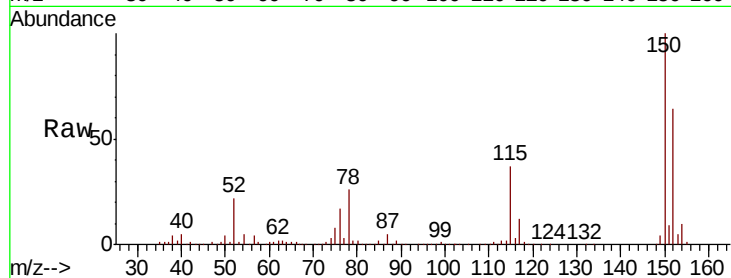
Tot Ion:152 Resp: 116319

Ion Ratio Lower Upper

152 100

115 57.6 41.2 123.6

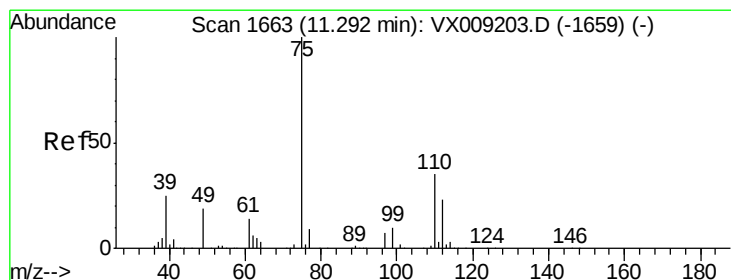
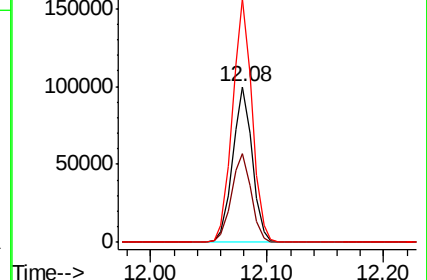
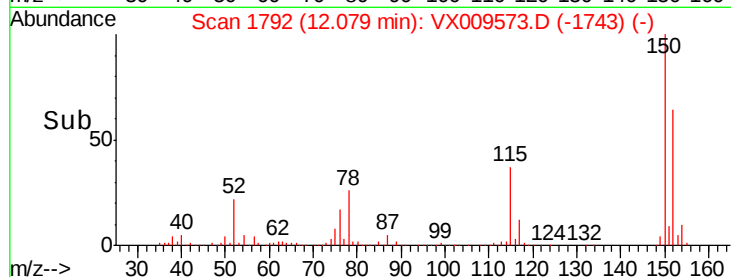
150 156.6 0.0 346.4



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: 22.366 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.15 min

Lab File: VX009573.D

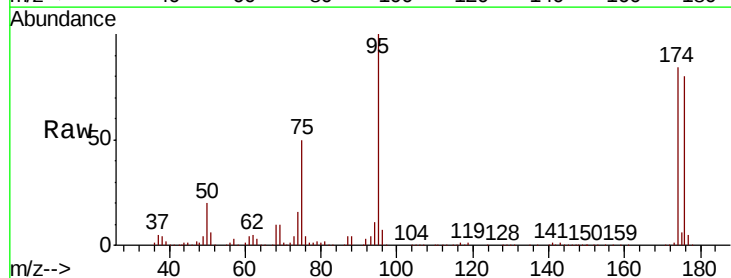
Acq: 15 May 2019 12:31

Tgt Ion: 75 Resp: 60348

Ion Ratio Lower Upper

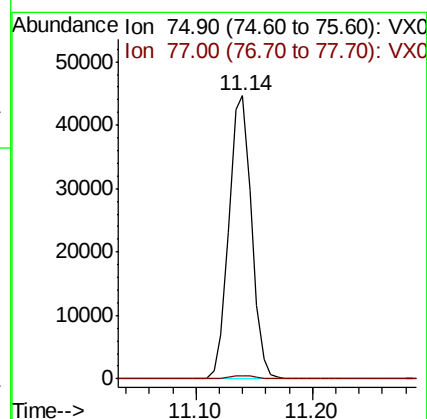
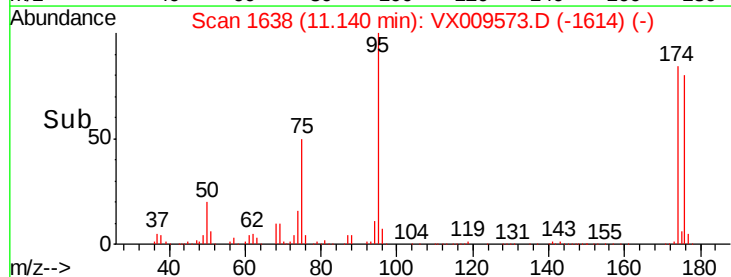
75 100

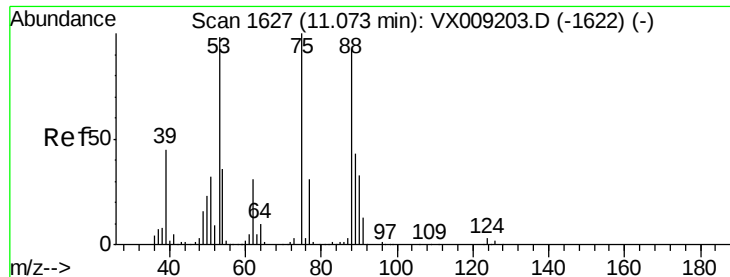
77 1.5 22.1 66.1#



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: 57.227 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX009573.D

Acq: 15 May 2019 12:31

Instrument :

MSVOA_X

ClientSampleId :

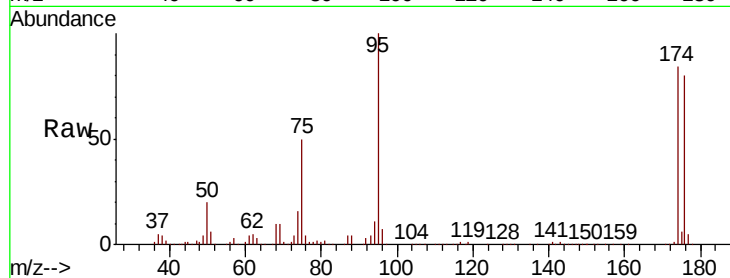
Tot Ion: 75 Resp: 60348

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

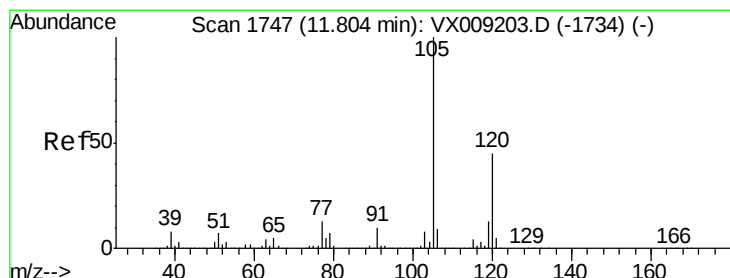
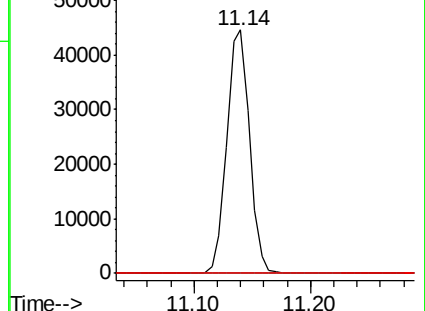
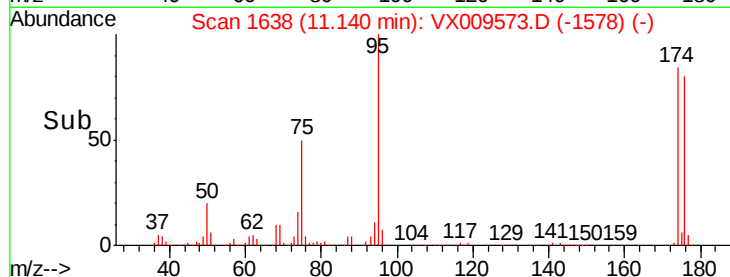
89 0.0 34.7 52.1#



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: 0.218 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX009573.D

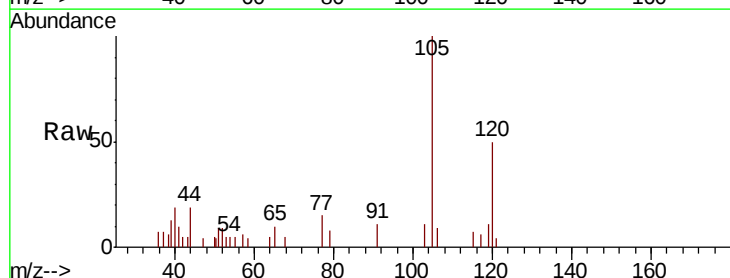
Acq: 15 May 2019 12:31

Tgt Ion: 105 Resp: 1562

Ion Ratio Lower Upper

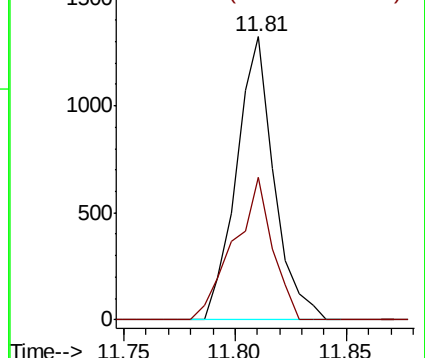
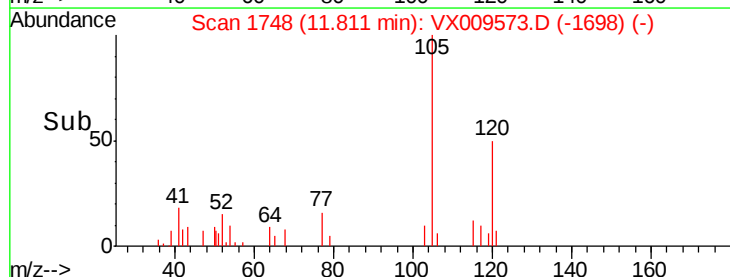
105 100

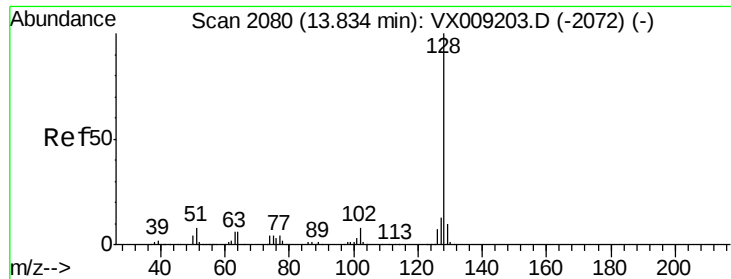
120 51.5 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

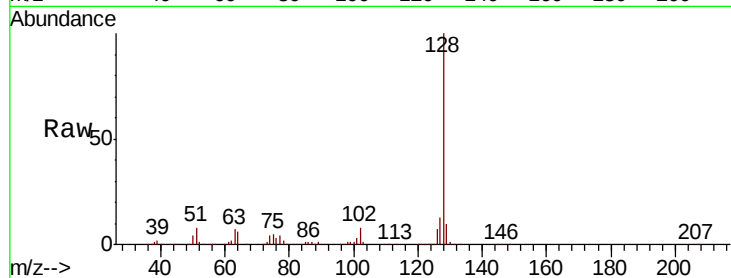




#95
Naphthalene
Concen: 13.267 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009573.D
Acq: 15 May 2019 12:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	10.9	8.6	13.0



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

