

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\
 Data File : VX009585.D
 Acq On : 15 May 2019 17:11
 Operator : JC/SP
 Sample : K2857-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:11:30 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	5.67	168	178262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	282982	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	106721	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	116702	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
35) Dibromofluoromethane	5.50	113	84306	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
50) Toluene-d8	8.71	98	354013	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.13	95	117286	44.94	ug/l	0.00
Spiked Amount			Recovery	=	89.88%	

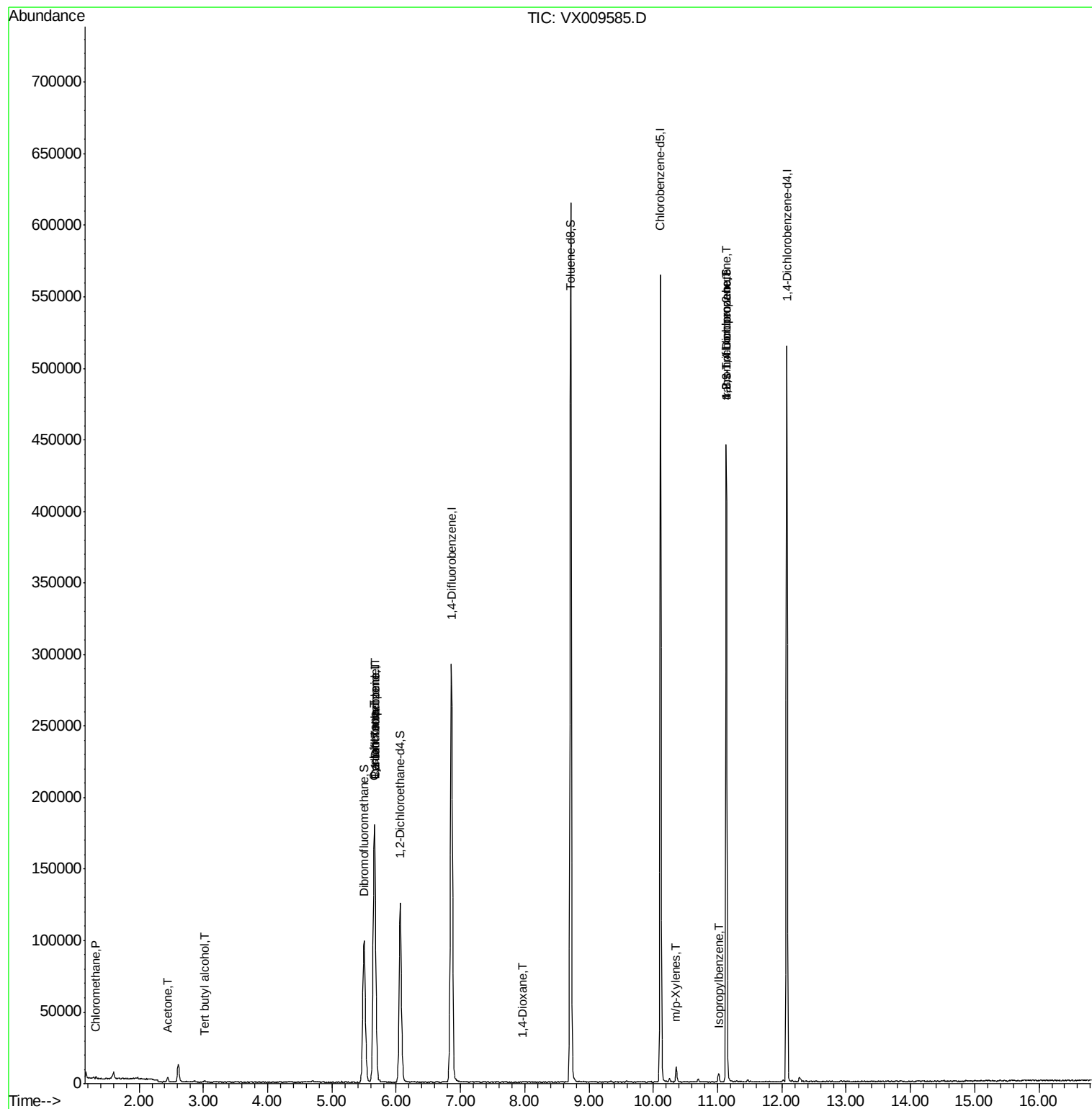
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	489	0.218	ug/l	94
11) Tert butyl alcohol	3.01	59	615	1.092	ug/l #	73
16) Acetone	2.45	43	3546	2.714	ug/l	90
28) Bromochloromethane	5.01	49	19	Below Cal	#	20
31) Cyclohexane	5.65	56	3813	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13658	5.194	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16334	6.836	ug/l #	15
49) 1,4-Dioxane	7.97	88	19	0.322	ug/l #	1
68) m/p-Xylenes	10.36	106	2428	0.731	ug/l	97
73) Isopropylbenzene	11.02	105	2800	0.361	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	59555	24.057	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59555	61.554	ug/l #	10

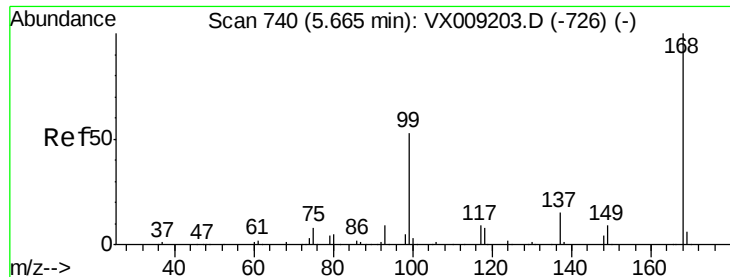
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051519\
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ClientSampleId :

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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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009585.D

Acq: 15 May 2019 17:11

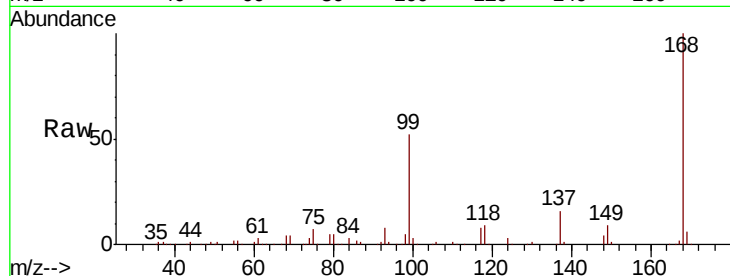
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 178262

Ion Ratio Lower Upper

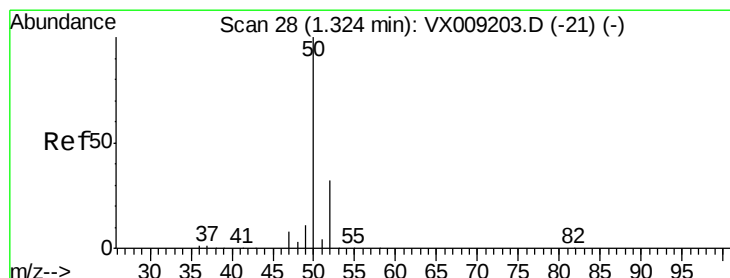
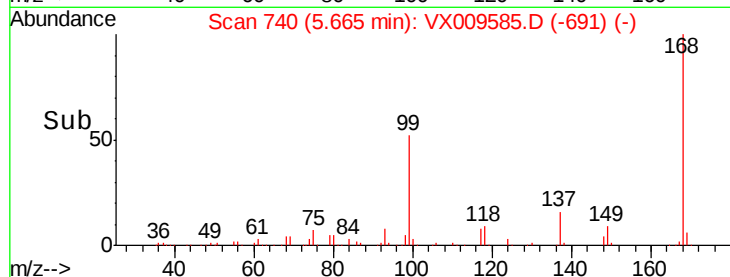
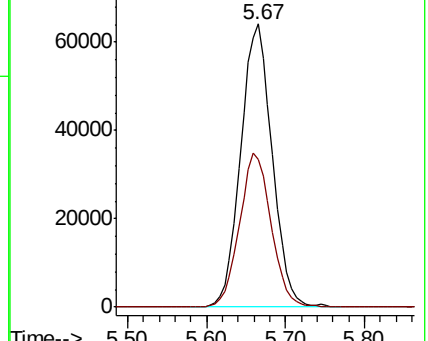
168 100

99 52.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.218 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009585.D

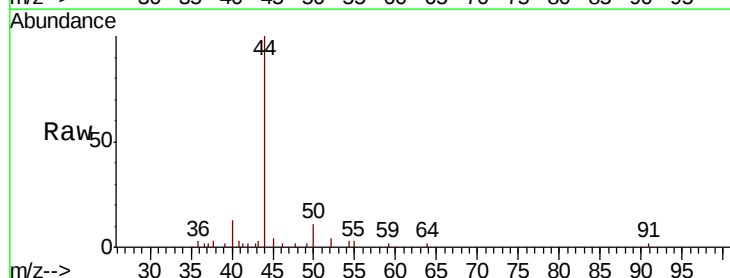
Acq: 15 May 2019 17:11

Tgt Ion: 50 Resp: 489

Ion Ratio Lower Upper

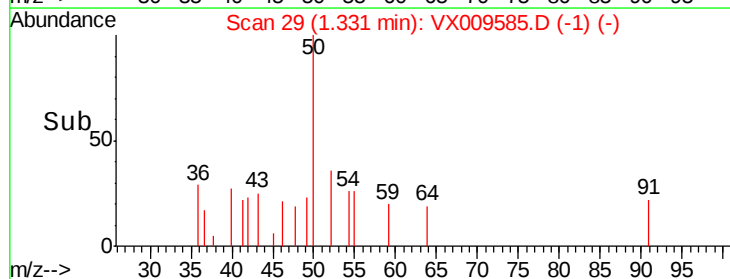
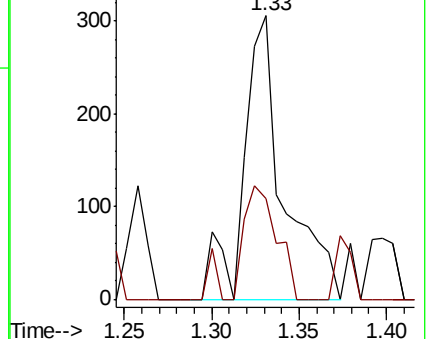
50 100

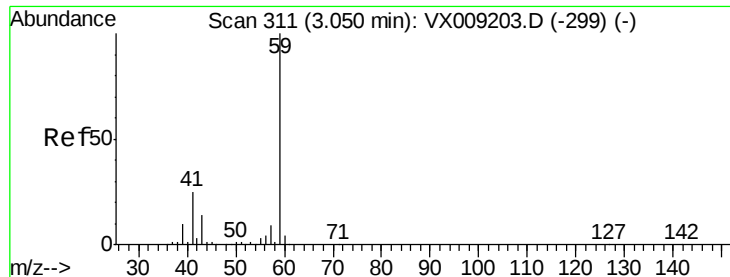
52 35.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

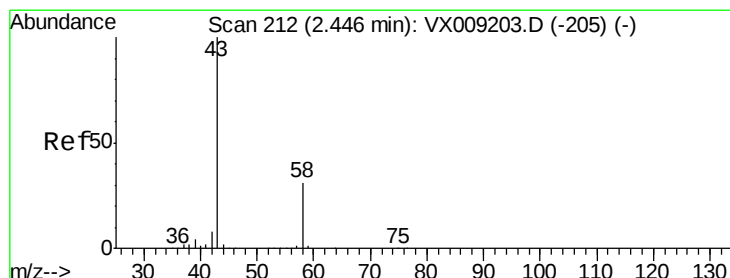
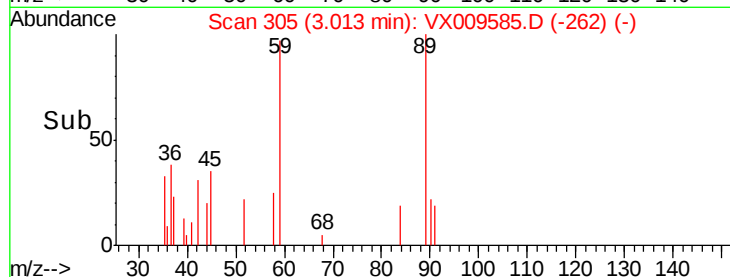
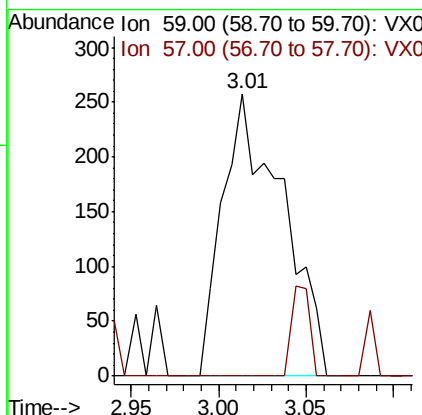
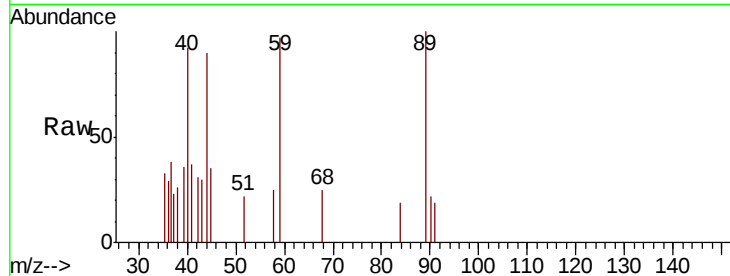




#11
Tert butyl alcohol
Concen: 1.092 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009585.D
Acq: 15 May 2019 17:11

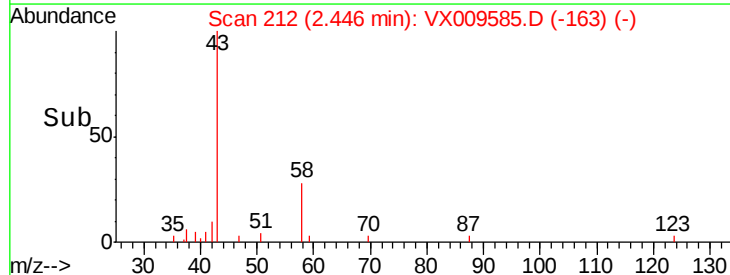
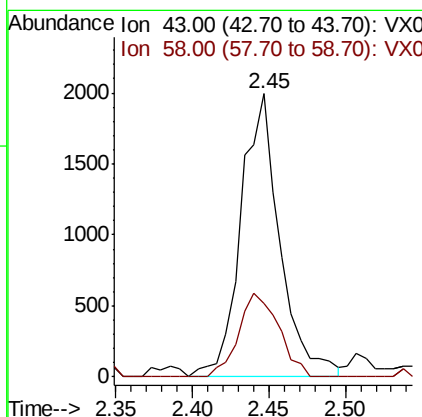
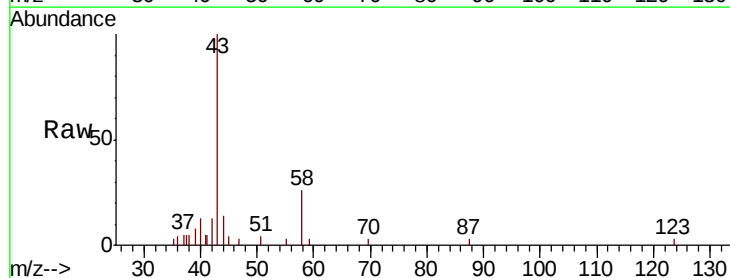
Instrument :
MSVOA_X
ClientSampled :

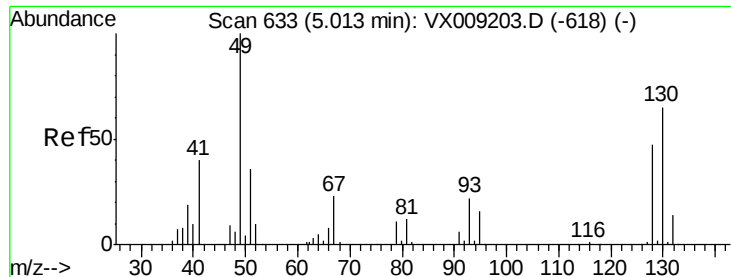
Tot Ion: 59 Resp: 615
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 2.714 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX009585.D
Acq: 15 May 2019 17:11

Tgt Ion: 43 Resp: 3546
Ion Ratio Lower Upper
43 100
58 25.8 24.9 37.3





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009585.D

Acq: 15 May 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

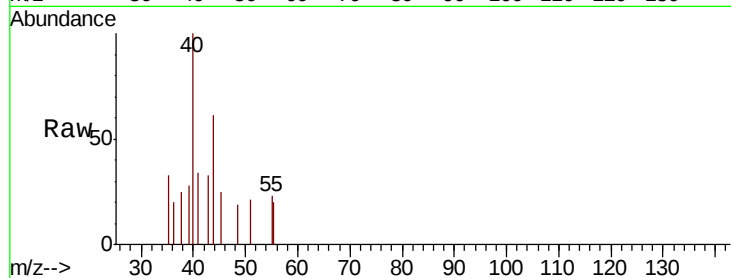
Tot Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

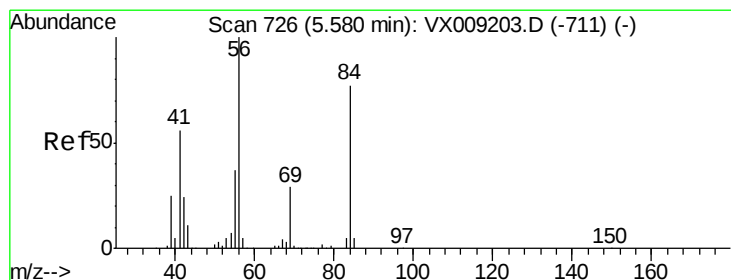
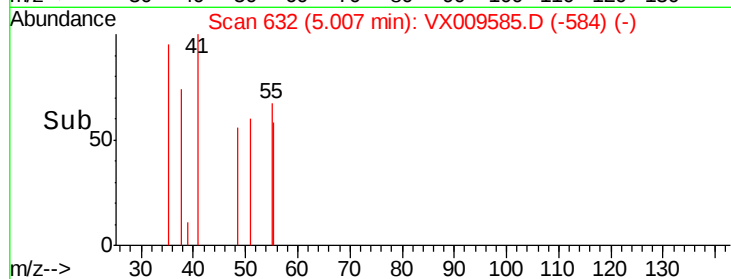
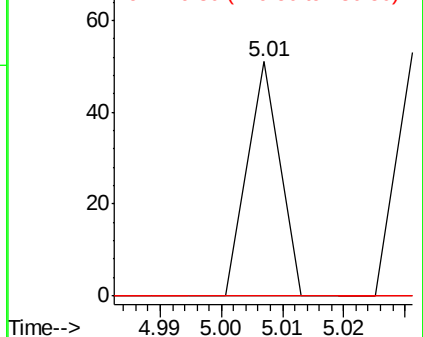
130 0.0 51.2 76.8#



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: 1.060 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009585.D

Acq: 15 May 2019 17:11

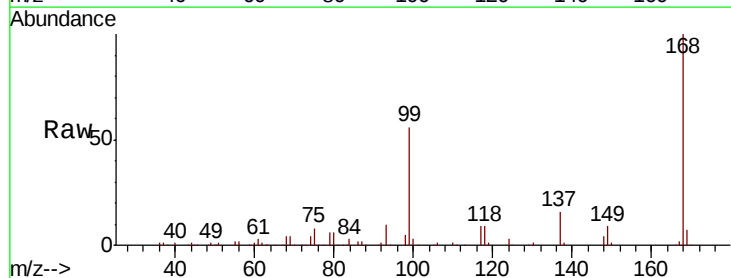
Tgt Ion: 56 Resp: 3813

Ion Ratio Lower Upper

56 100

69 163.8 23.4 35.0#

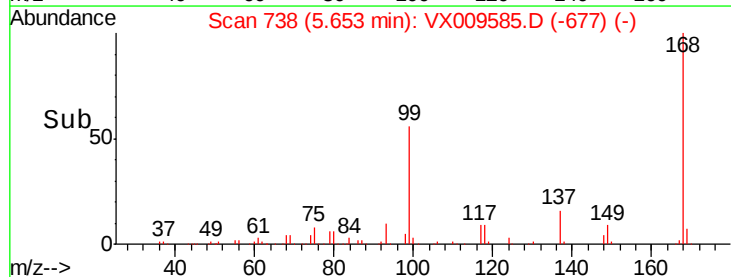
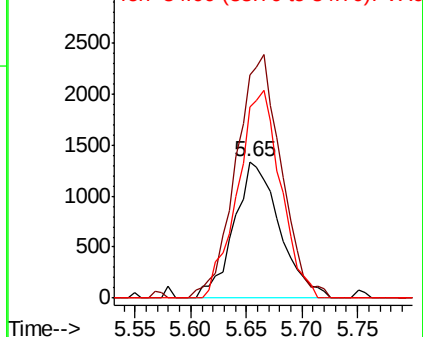
84 139.8 61.9 92.9#

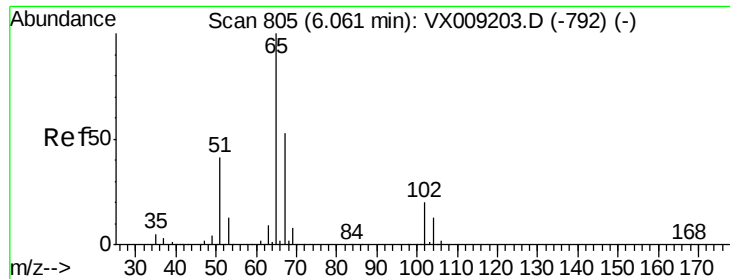


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

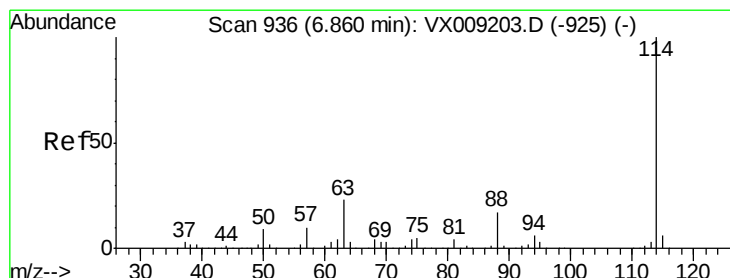
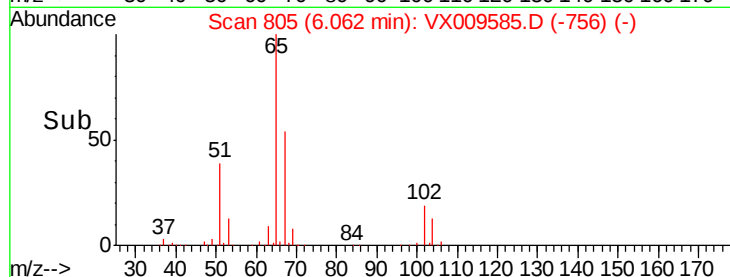
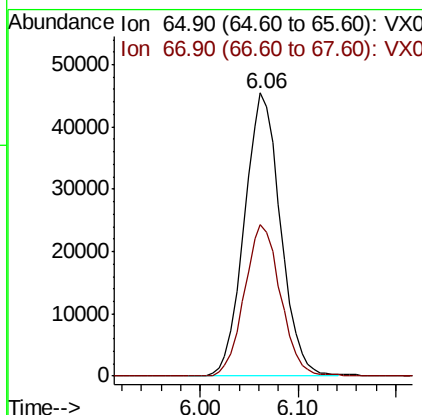
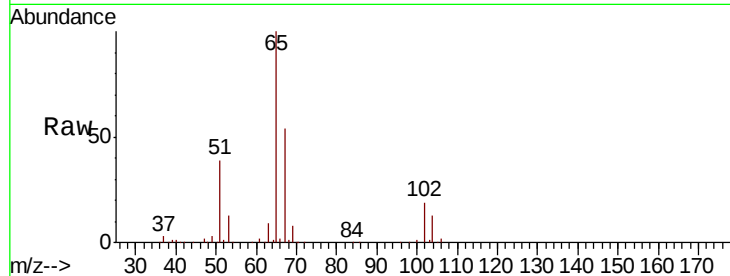




#33
 1,2-Dichloroethane-d4
 Concen: 47.957 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009585.D
 Acq: 15 May 2019 17:11

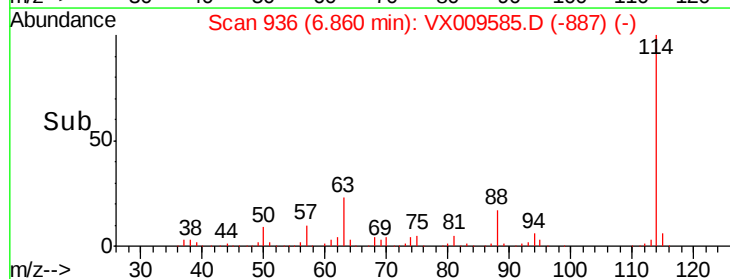
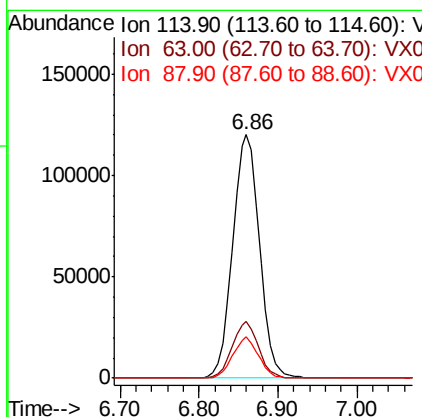
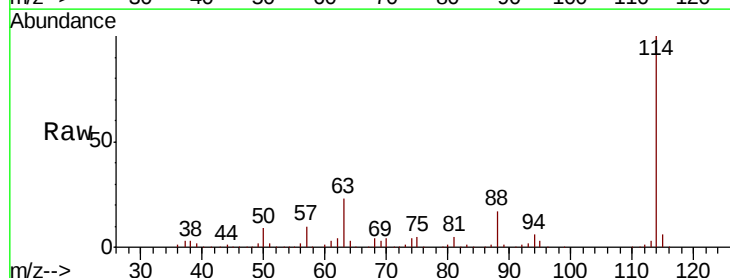
Instrument :
 MSVOA_X
 ClientSampled :

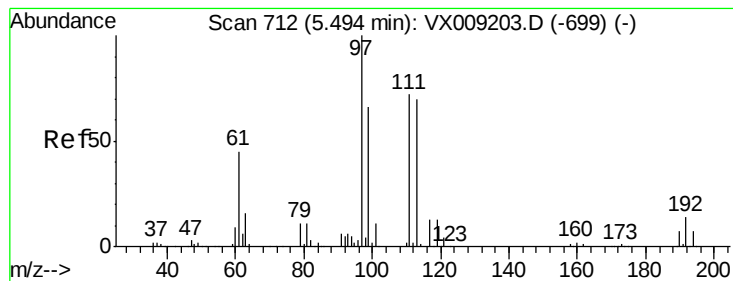
Tot Ion: 65 Resp: 116702
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009585.D
 Acq: 15 May 2019 17:11

Tgt Ion: 114 Resp: 282982
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 45.6
 88 17.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.391 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009585.D

Acq: 15 May 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

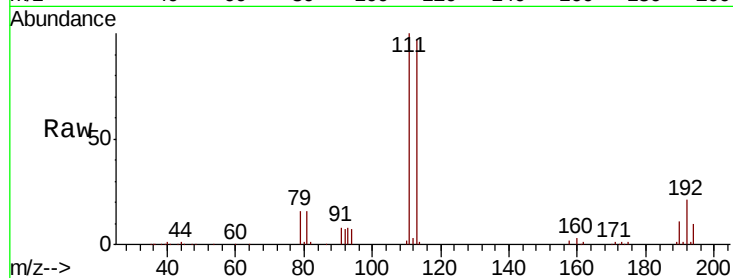
Tot Ion:113 Resp: 84306

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

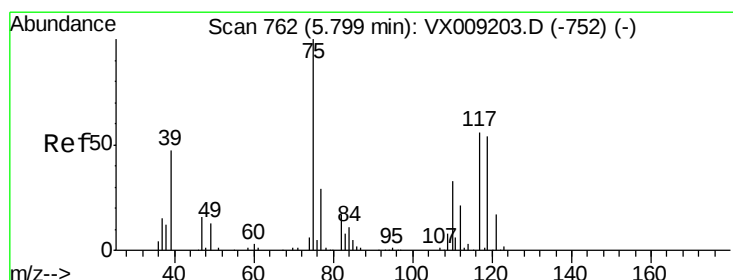
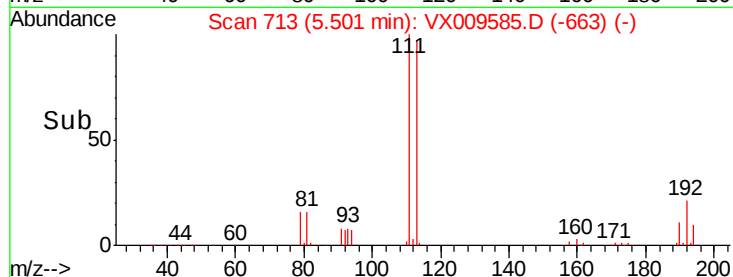
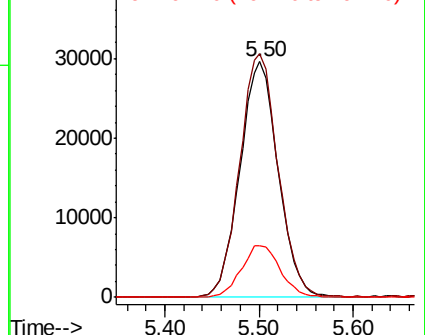
192 22.4 17.0 25.6



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: 5.194 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009585.D

Acq: 15 May 2019 17:11

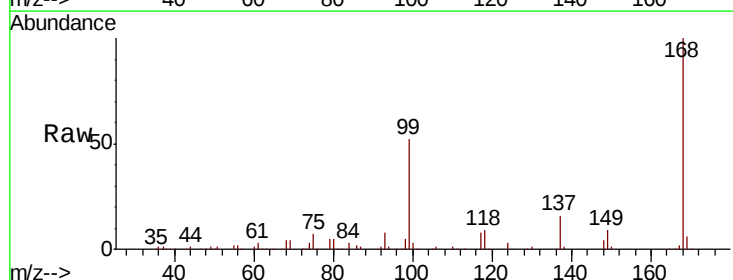
Tgt Ion: 75 Resp: 13658

Ion Ratio Lower Upper

75 100

110 9.6 16.9 50.6#

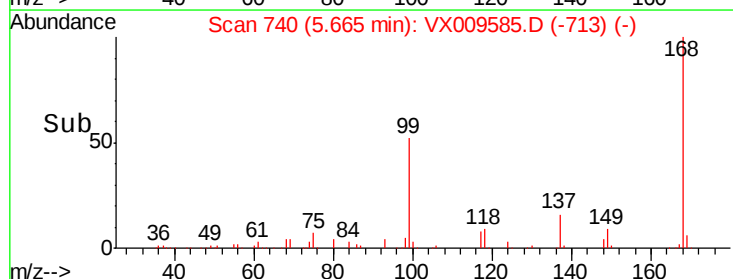
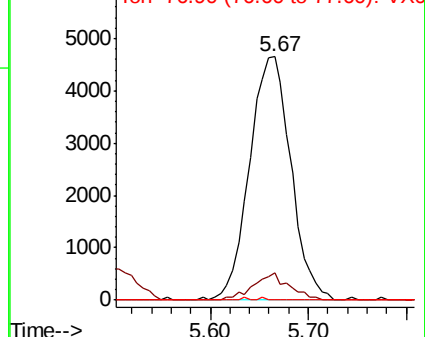
77 0.1 24.8 37.2#

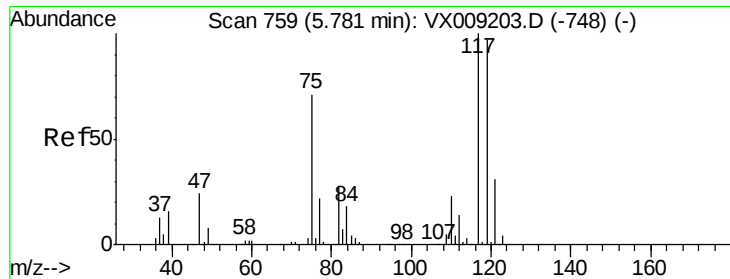


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.836 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009585.D

Acq: 15 May 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

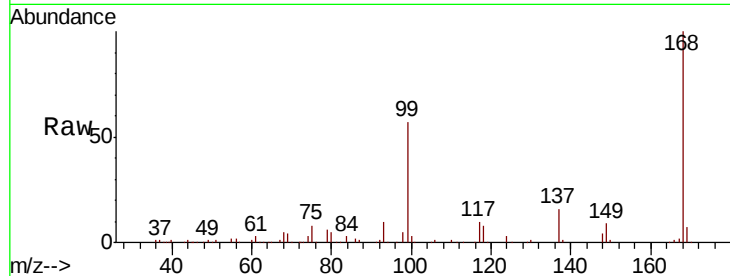
Tot Ion:117 Resp: 16334

Ion Ratio Lower Upper

117 100

119 4.4 77.5 116.3#

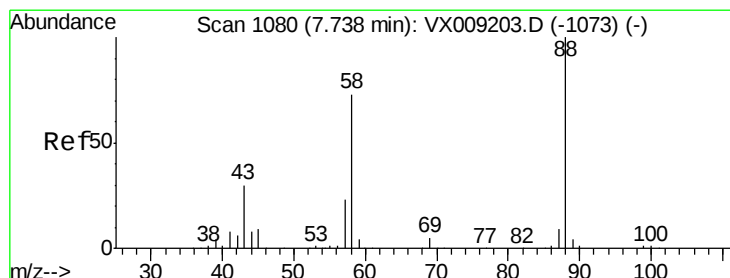
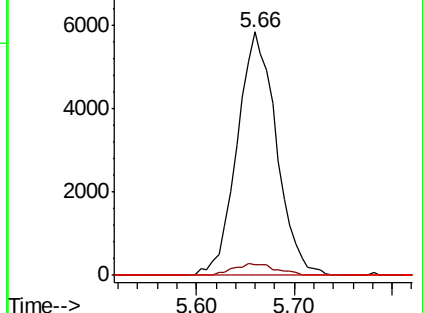
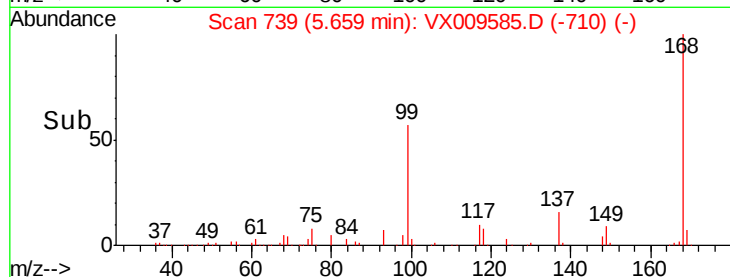
121 0.0 24.7 37.1#



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: 0.322 ug/l

RT: 7.97 min Scan# 1118

Delta R.T. 0.23 min

Lab File: VX009585.D

Acq: 15 May 2019 17:11

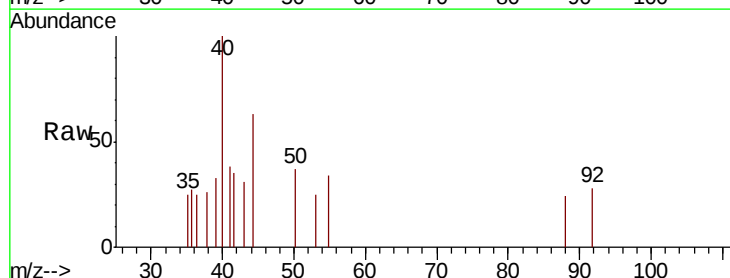
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 126.3 28.6 42.8#

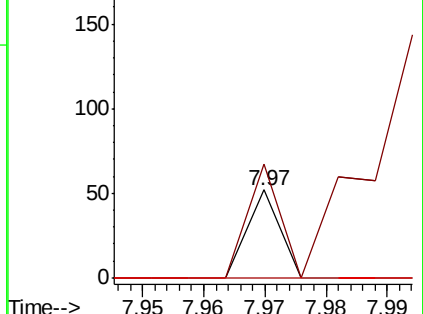
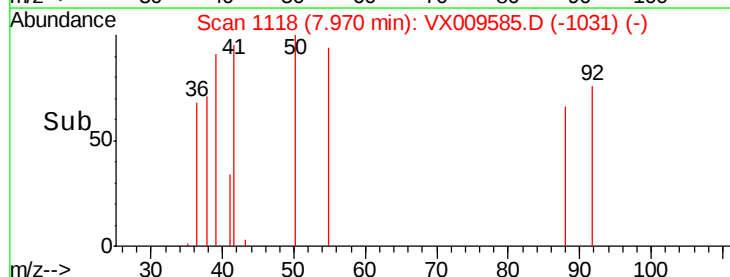
58 0.0 61.7 92.5#

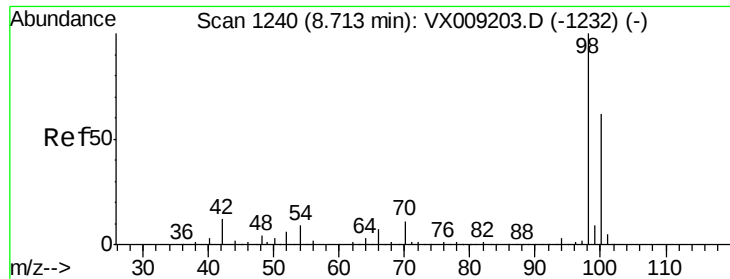


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.292 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009585.D

Acq: 15 May 2019 17:11

Instrument :

MSVOA_X

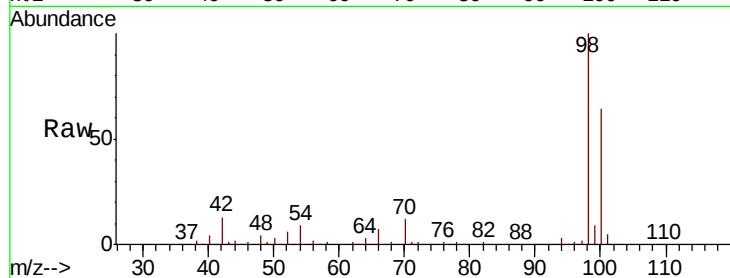
ClientSampleId :

Tot Ion: 98 Resp: 354013

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

100000

50000

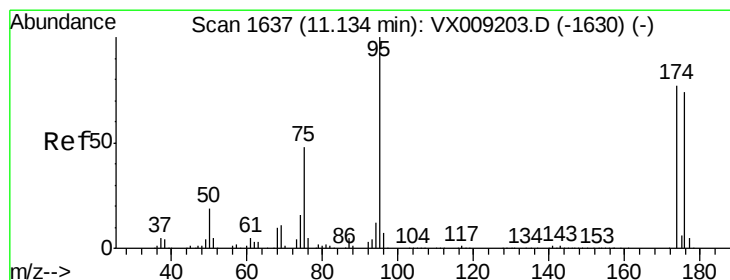
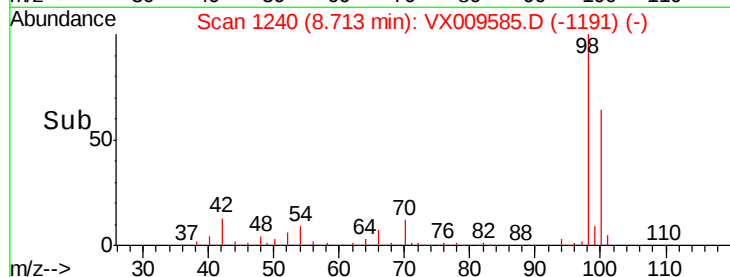
0

8.60

8.70

8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 44.943 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009585.D

Acq: 15 May 2019 17:11

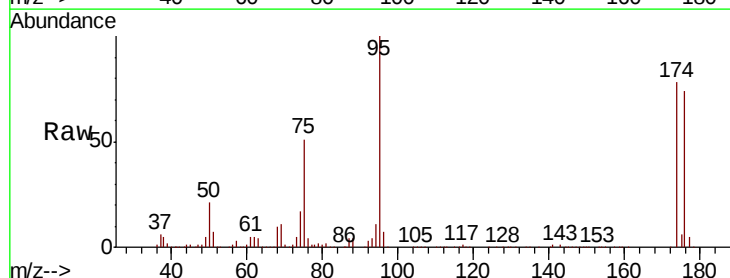
Tgt Ion: 95 Resp: 117286

Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

176 79.0 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

40000

20000

0

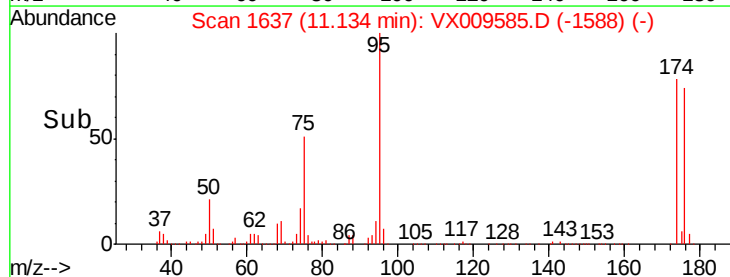
11.05

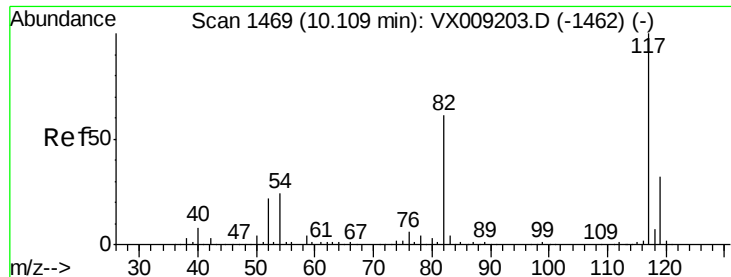
11.10

11.15

11.20

Time-->

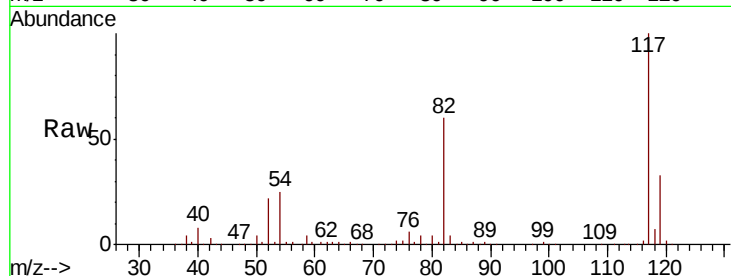




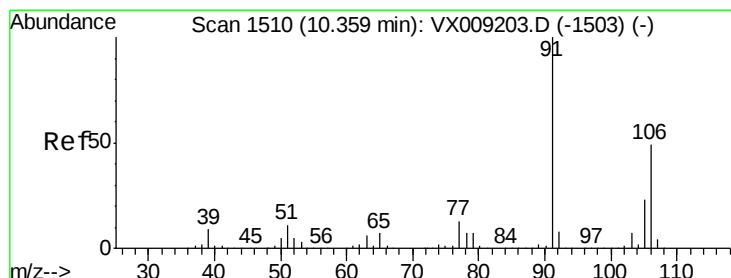
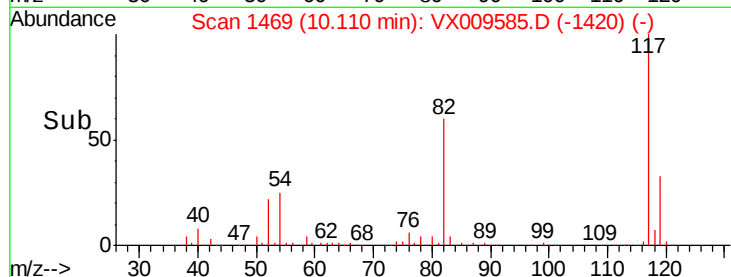
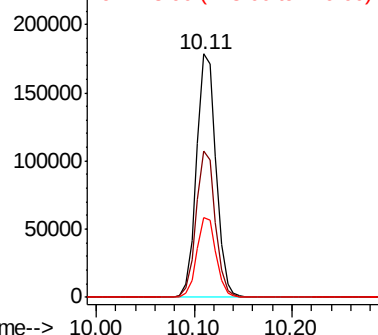
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009585.D
Acq: 15 May 2019 17:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 246872
Ion Ratio Lower Upper
117 100
82 60.1 48.8 73.2
119 32.9 25.8 38.6

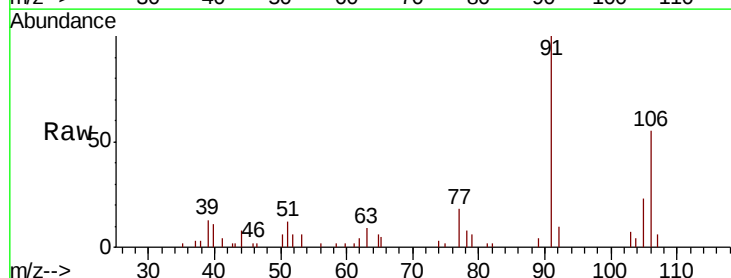


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

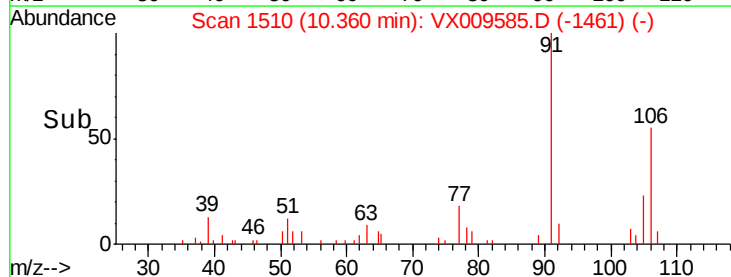
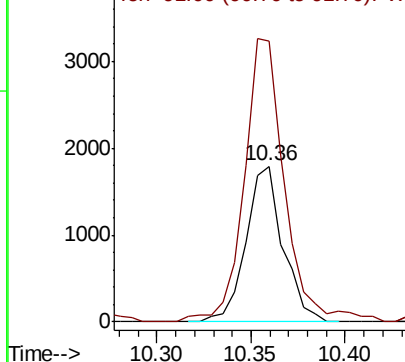


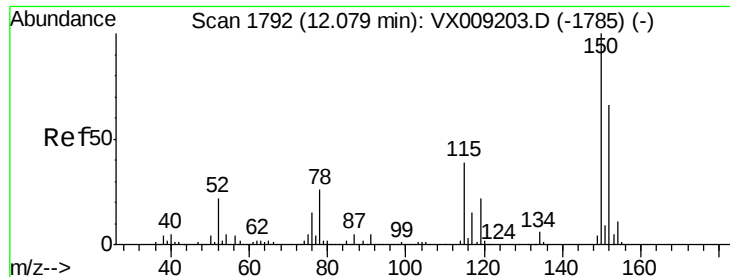
#68
m/p-Xylenes
Concen: 0.731 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009585.D
Acq: 15 May 2019 17:11

Tgt Ion:106 Resp: 2428
Ion Ratio Lower Upper
106 100
91 200.3 164.0 246.0



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: VX009585.D

Acq: 15 May 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

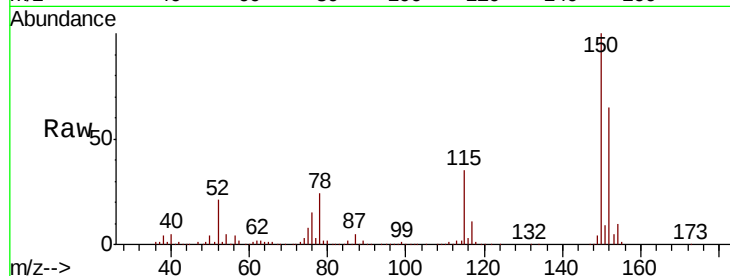
Tot Ion:152 Resp: 106721

Ion Ratio Lower Upper

152 100

115 57.3 41.2 123.6

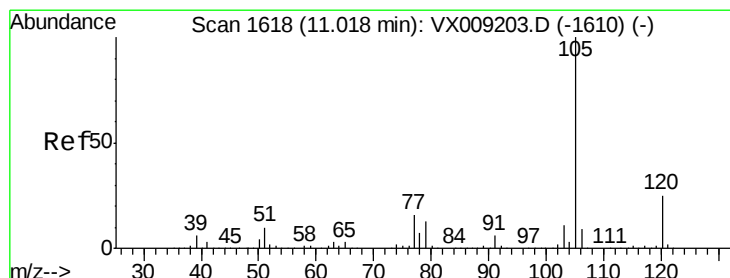
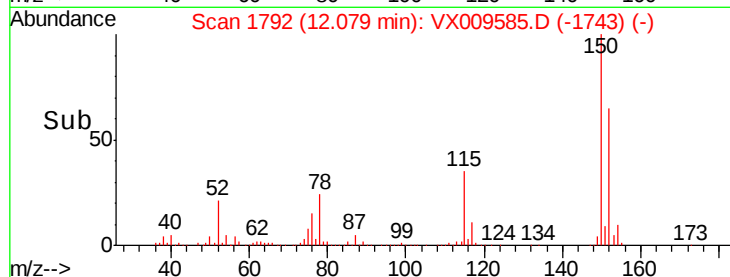
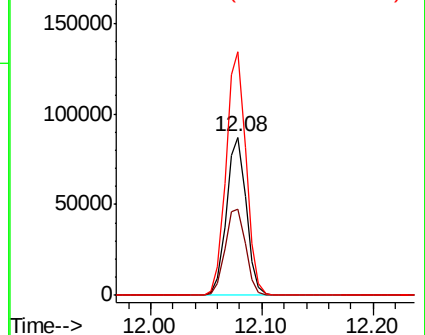
150 155.7 0.0 346.4



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



#73

Isopropylbenzene

Concen: 0.361 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009585.D

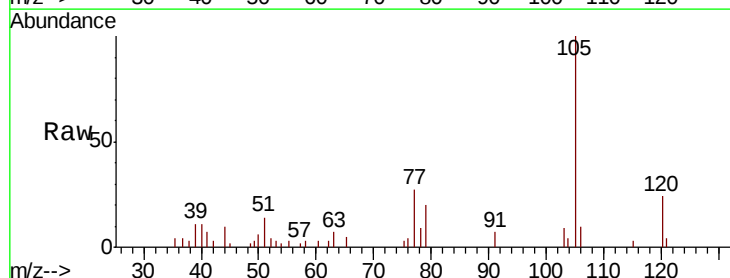
Acq: 15 May 2019 17:11

Tgt Ion:105 Resp: 2800

Ion Ratio Lower Upper

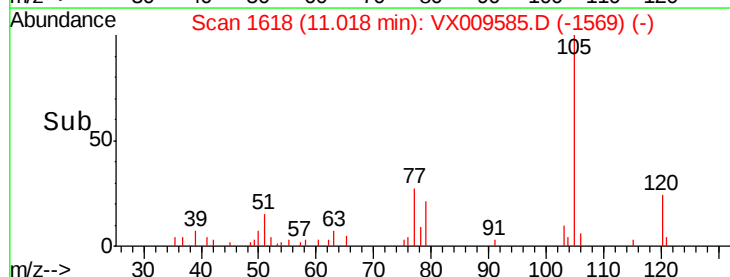
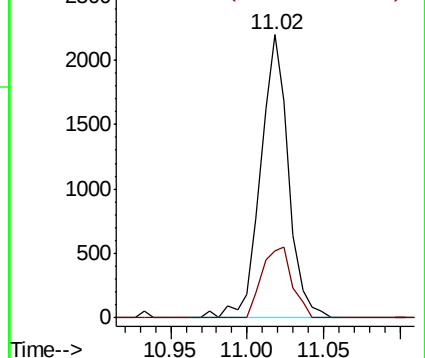
105 100

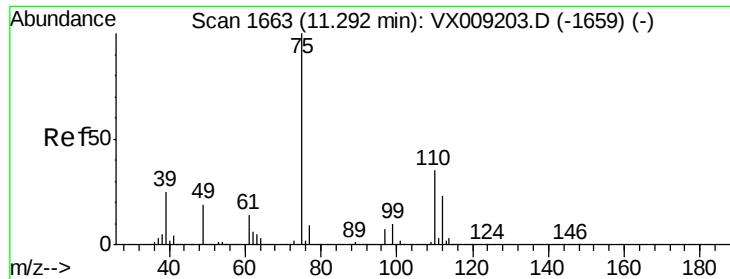
120 27.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 24.057 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009585.D

Acq: 15 May 2019 17:11

Instrument :

MSVOA_X

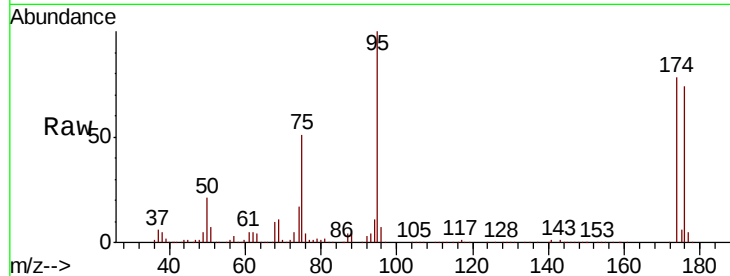
ClientSampleId :

Tot Ion: 75 Resp: 59555

Ion Ratio Lower Upper

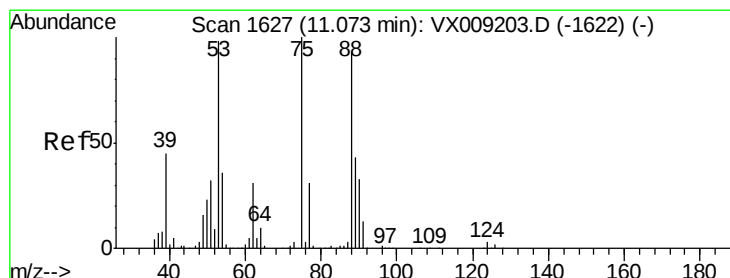
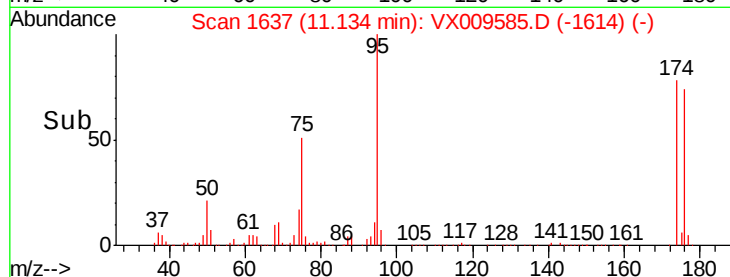
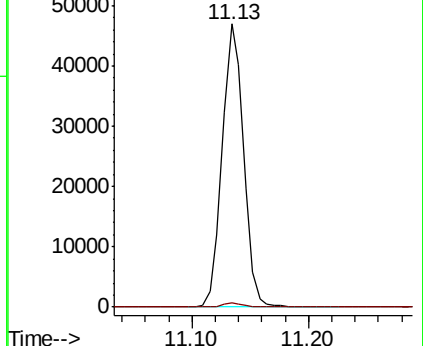
75 100

77 1.6 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: 61.554 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009585.D

Acq: 15 May 2019 17:11

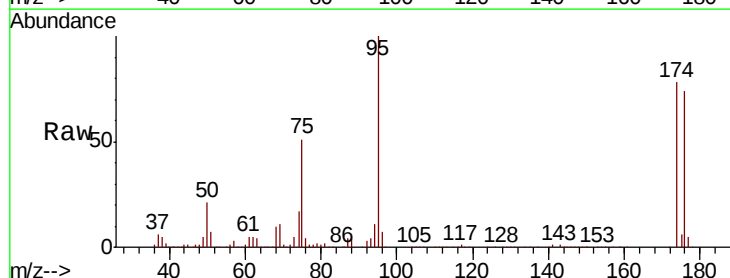
Tgt Ion: 75 Resp: 59555

Ion Ratio Lower Upper

75 100

53 0.2 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

