

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052019\
 Data File : VX009716.D
 Acq On : 20 May 2019 11:11
 Operator : JC/SP
 Sample : VX0520WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBL01

Quant Time: May 20 11:30:30 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	5.66	168	166741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	265133	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	96776	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	119383	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
35) Dibromofluoromethane	5.50	113	88231	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
50) Toluene-d8	8.71	98	356011	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	
62) 4-Bromofluorobenzene	11.13	95	116695	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	

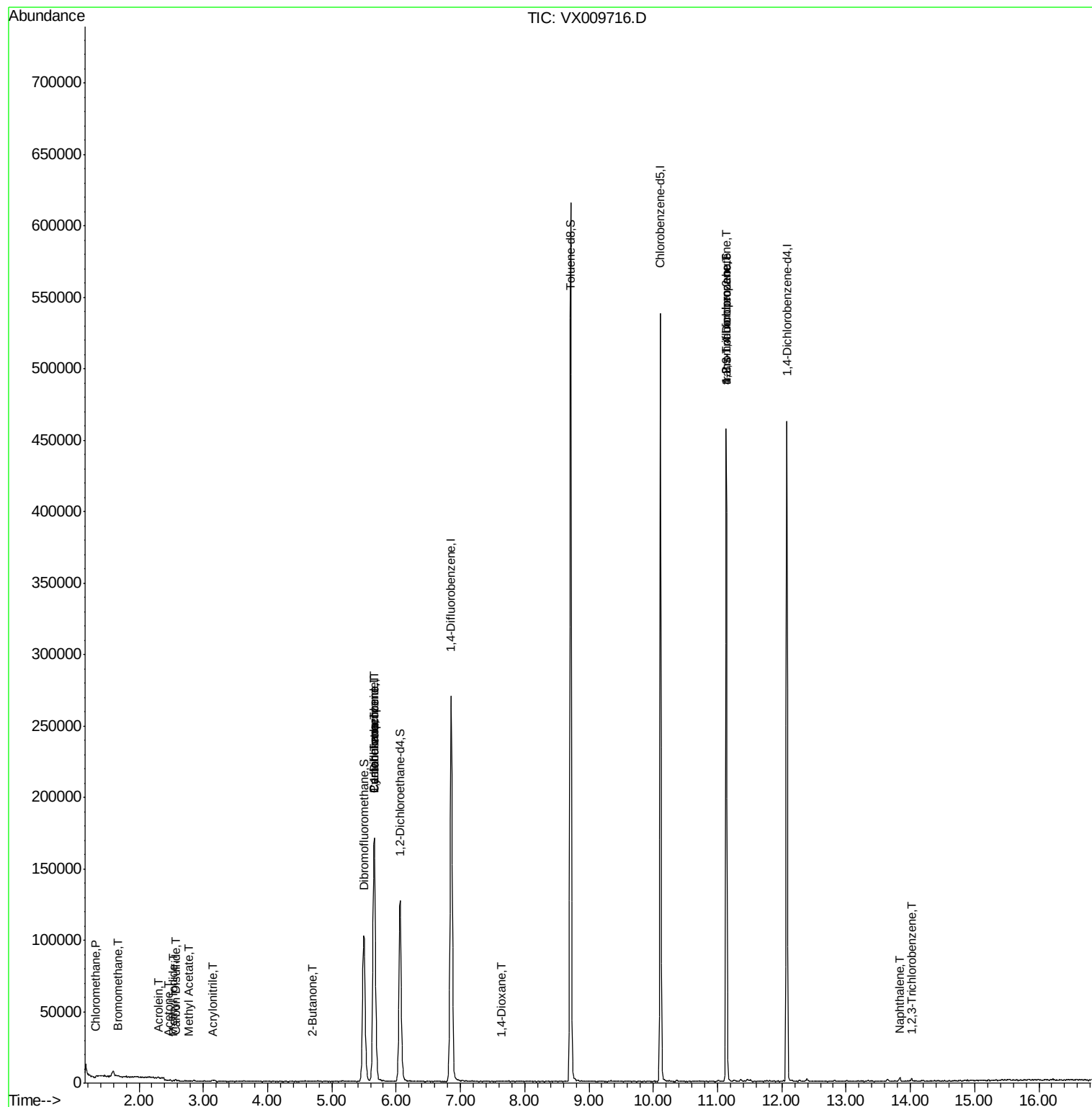
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	547	0.261	ug/l	90
5) Bromomethane	1.66	94	612	0.498	ug/l	93
10) Methyl Iodide	2.52	142	283	4.736	ug/l #	88
13) Acrolein	2.29	56	397	0.832	ug/l	84
15) Acrylonitrile	3.15	53	559	0.434	ug/l #	70
16) Acetone	2.46	43	364	0.298	ug/l	95
17) Carbon Disulfide	2.57	76	1079	0.246	ug/l #	83
18) Methyl Acetate	2.76	43	673	0.232	ug/l #	65
25) 2-Butanone	4.70	43	422	0.222	ug/l #	53
28) Bromochloromethane	5.01	49	40	Below Cal	#	20
31) Cyclohexane	5.66	56	3804	1.130	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	12594	5.111	ug/l #	51
38) Carbon Tetrachloride	5.66	117	15231	6.804	ug/l #	16
49) 1,4-Dioxane	7.63	88	23	0.416	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	60535	26.966	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60535	68.997	ug/l #	10
95) Naphthalene	13.83	128	1526	0.216	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.02	180	453	0.206	ug/l	93

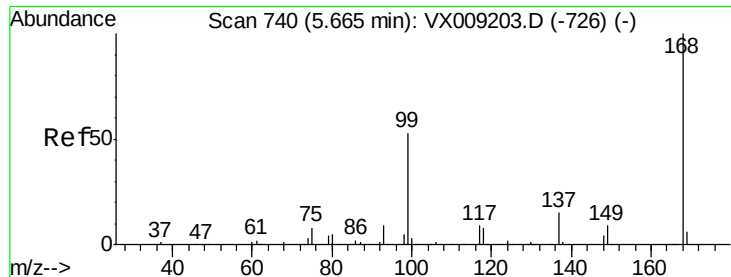
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009716.D

Acq: 20 May 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

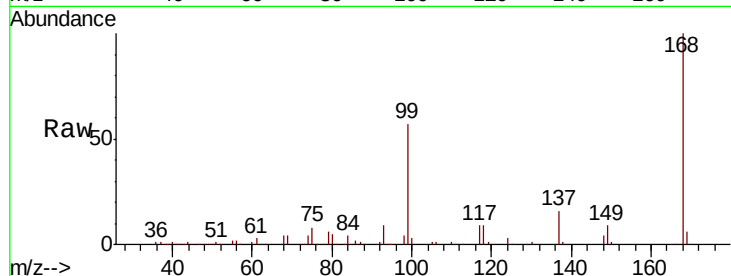
VX0520WBL01

Tgt Ion:168 Resp: 166741

Ion Ratio Lower Upper

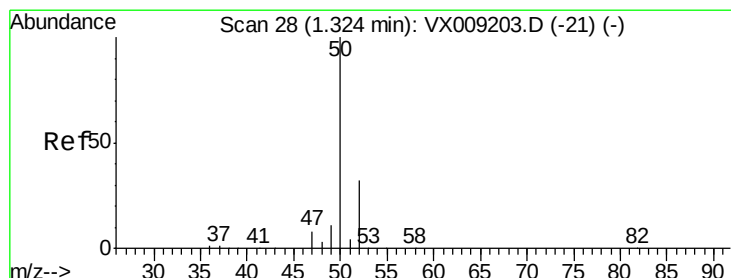
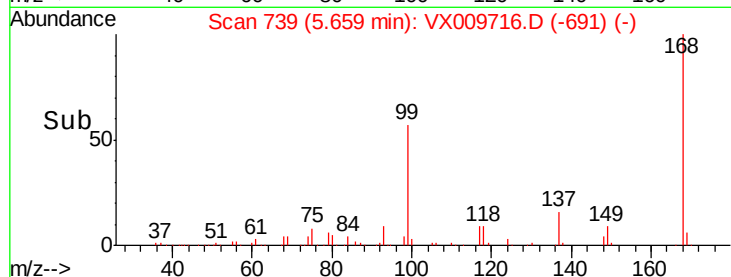
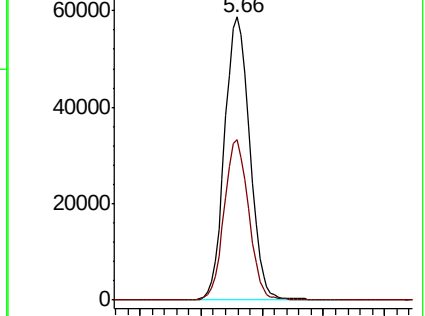
168 100

99 56.6 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: 0.261 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009716.D

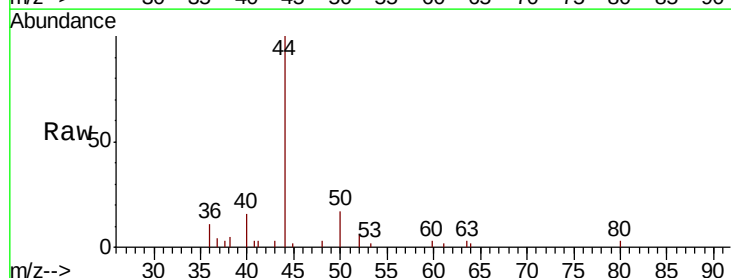
Acq: 20 May 2019 11:11

Tgt Ion: 50 Resp: 547

Ion Ratio Lower Upper

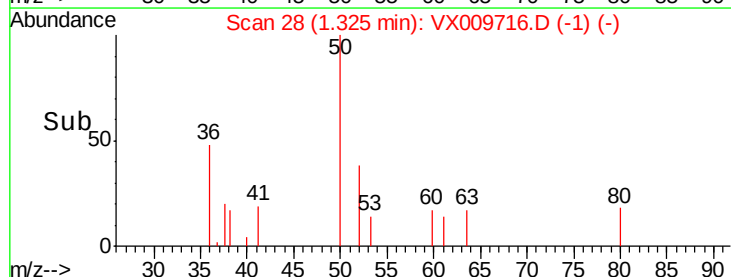
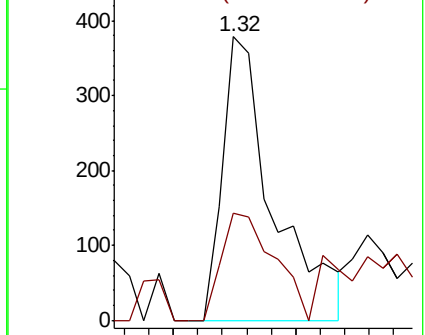
50 100

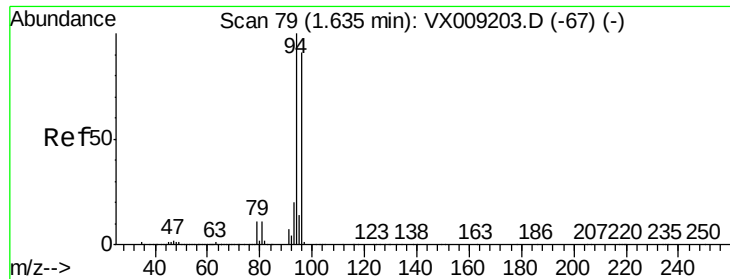
52 37.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.498 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX009716.D

Acq: 20 May 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

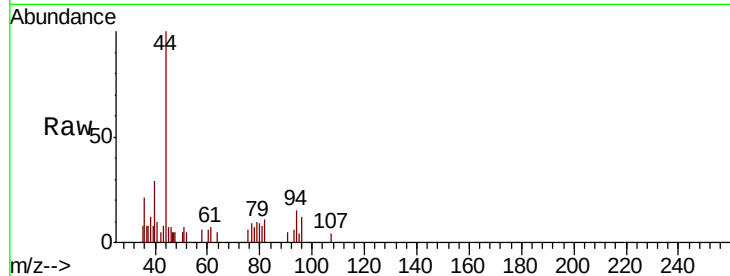
VX0520WBL01

Tgt Ion: 94 Resp: 612

Ion Ratio Lower Upper

94 100

96 84.7 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

1.66

1.66

1.66

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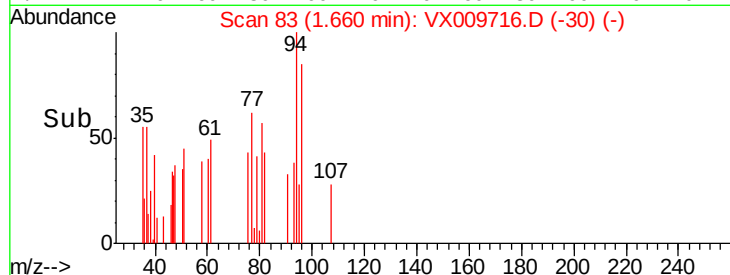
1.66

1.66

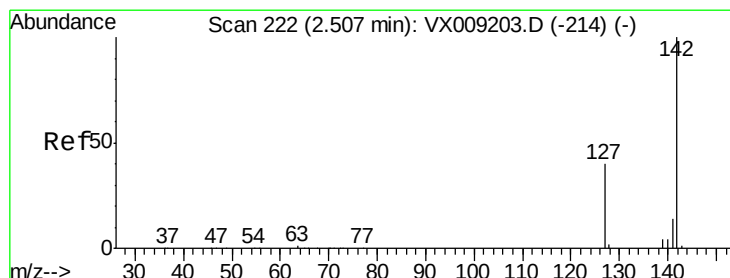
1.66

1.66

1.66



Time-->



#10

Methyl Iodide

Concen: 4.736 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009716.D

Acq: 20 May 2019 11:11

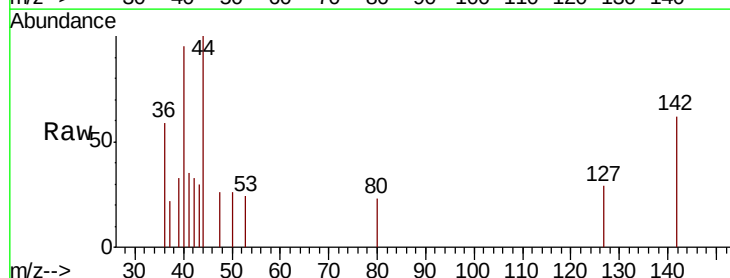
Tgt Ion: 142 Resp: 283

Ion Ratio Lower Upper

142 100

127 43.5 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

2.52

2.52

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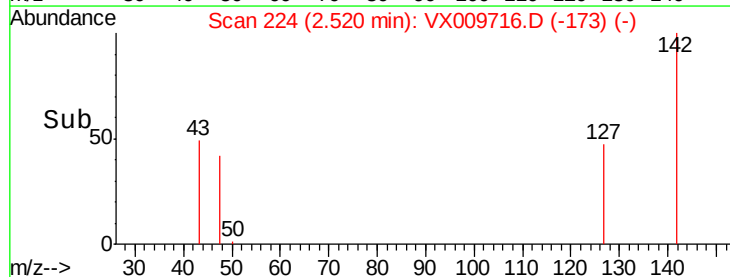
2.52

2.52

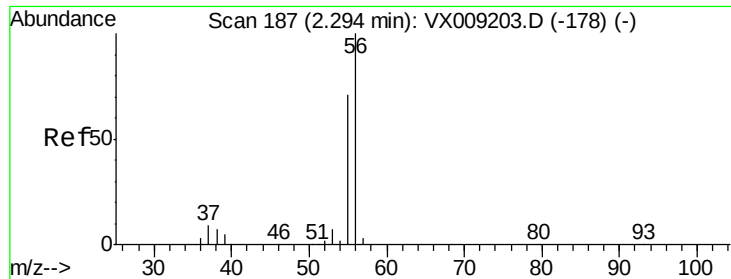
2.52

2.52

2.52



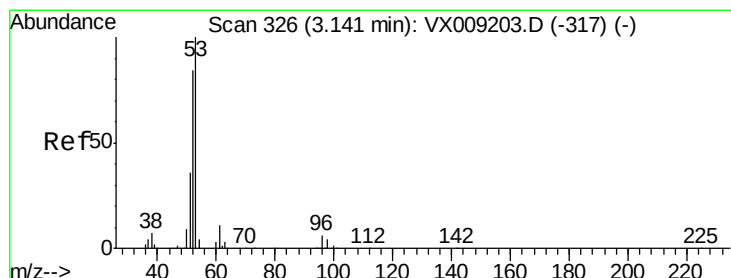
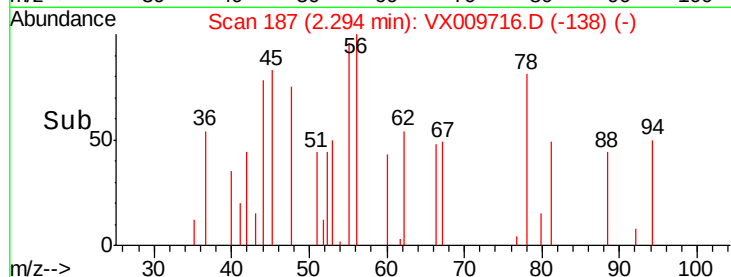
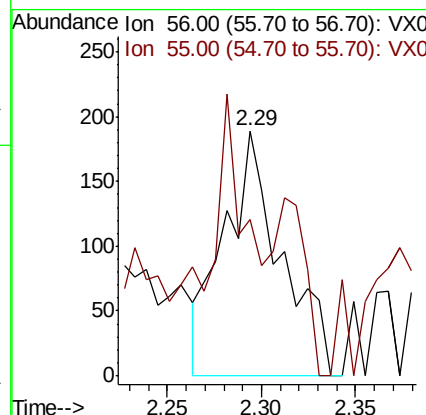
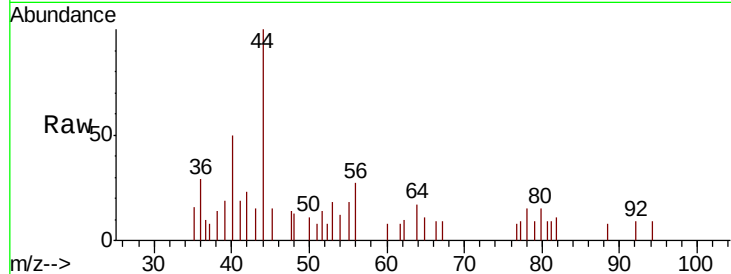
Time-->



#13
Acrolein
Concen: 0.832 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009716.D
Acq: 20 May 2019 11:11

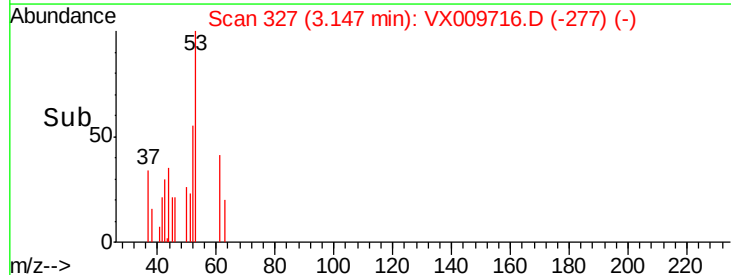
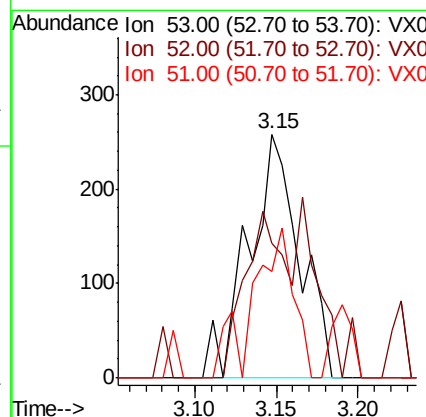
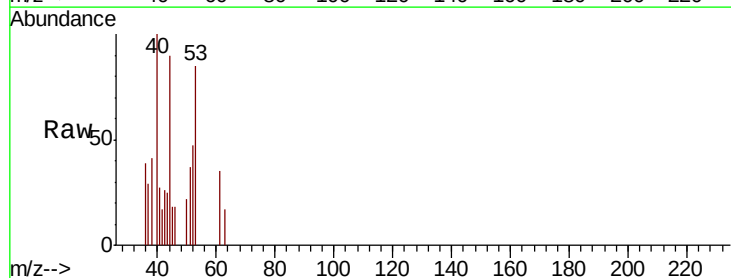
Instrument :
MSVOA_X
ClientSampleId :
VX0520WBL01

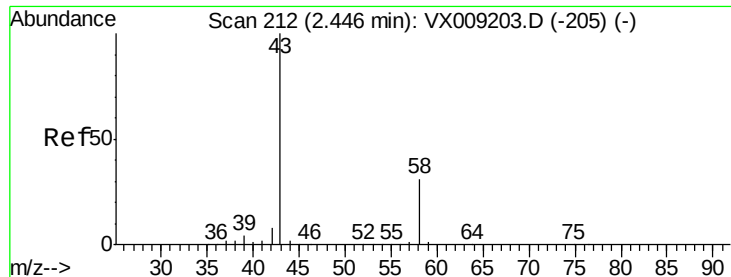
Tgt Ion: 56 Resp: 397
Ion Ratio Lower Upper
56 100
55 57.4 56.6 85.0



#15
Acrylonitrile
Concen: 0.434 ug/l
RT: 3.15 min Scan# 327
Delta R.T. 0.01 min
Lab File: VX009716.D
Acq: 20 May 2019 11:11

Tgt Ion: 53 Resp: 559
Ion Ratio Lower Upper
53 100
52 54.7 66.9 100.3#
51 50.1 28.2 42.2#





#16

Acetone

Concen: 0.298 ug/l

RT: 2.46 min Scan# 214

Delta R.T. 0.01 min

Lab File: VX009716.D

Acq: 20 May 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

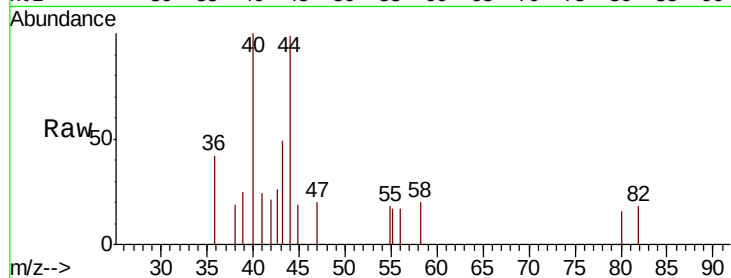
VX0520WBL01

Tgt Ion: 43 Resp: 364

Ion Ratio Lower Upper

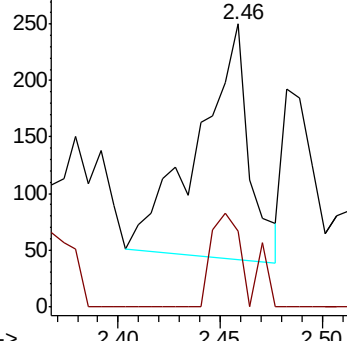
43 100

58 33.7 24.9 37.3

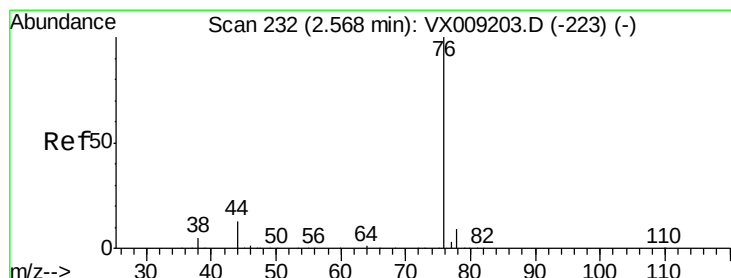
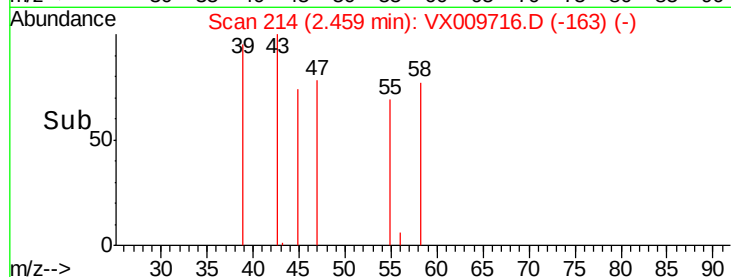


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.246 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009716.D

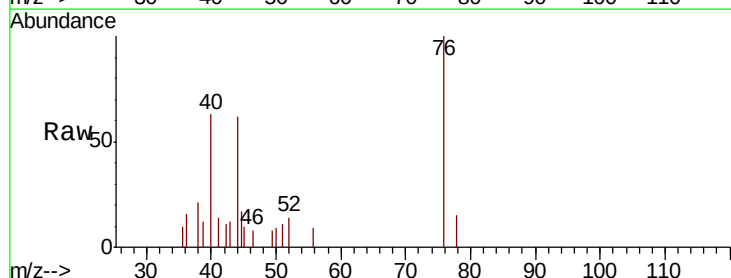
Acq: 20 May 2019 11:11

Tgt Ion: 76 Resp: 1079

Ion Ratio Lower Upper

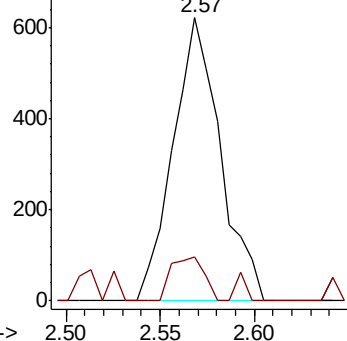
76 100

78 15.4 7.4 11.0#

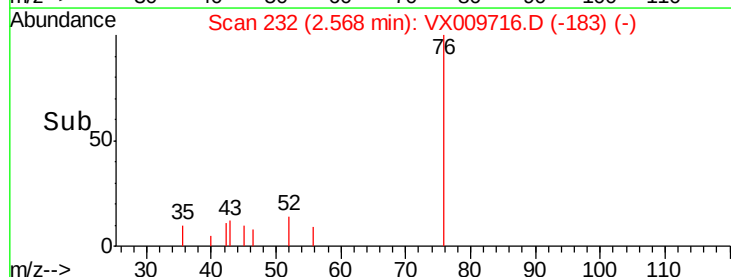


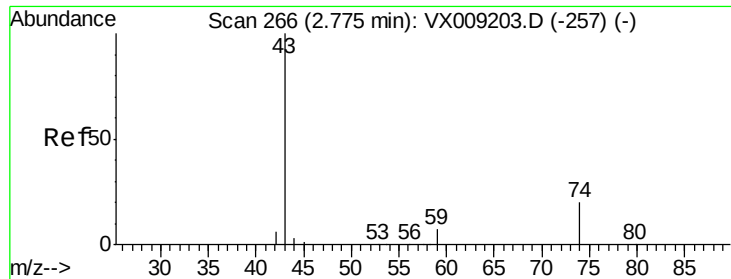
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->

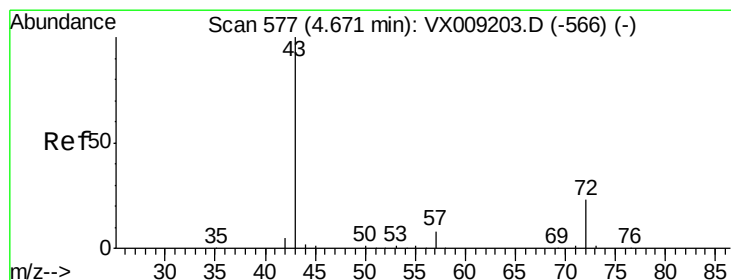
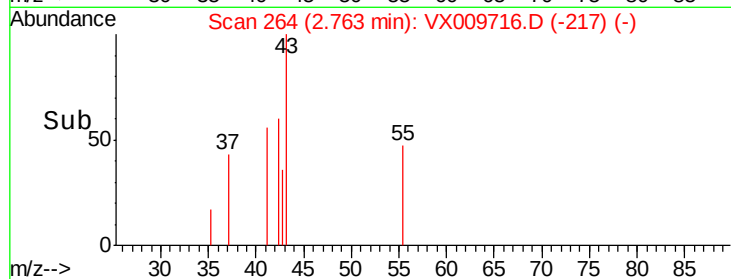
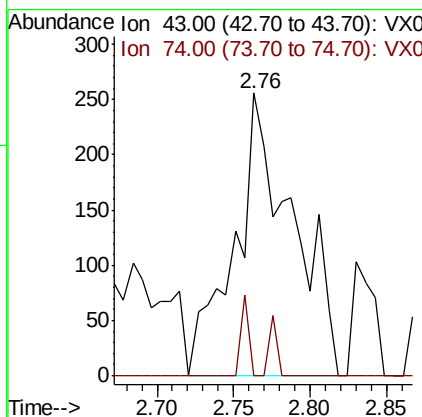
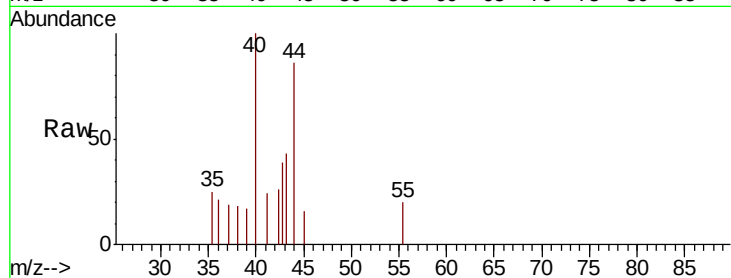




#18
Methyl Acetate
Concen: 0.232 ug/l
RT: 2.76 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX009716.D
Acq: 20 May 2019 11:11

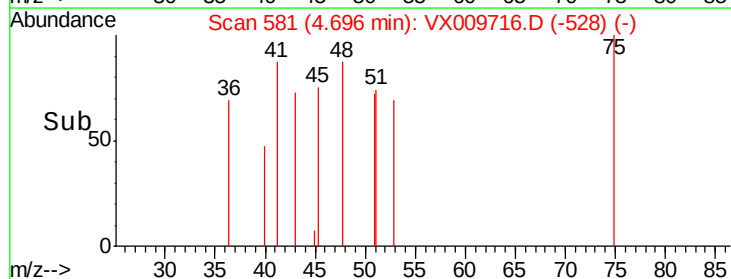
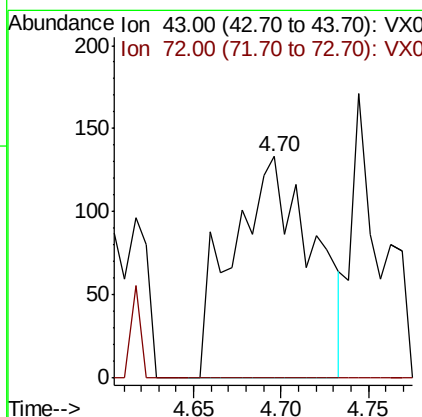
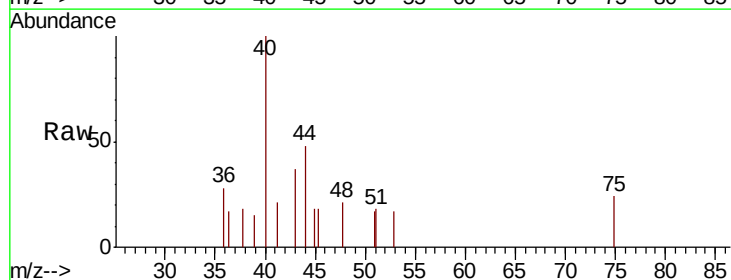
Instrument :
MSVOA_X
ClientSampleId :
VX0520WBL01

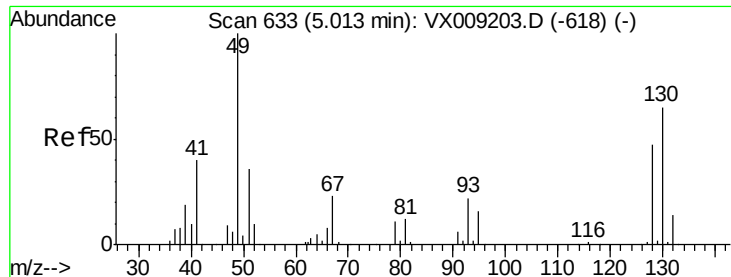
Tgt Ion: 43 Resp: 673
Ion Ratio Lower Upper
43 100
74 4.0 16.2 24.4#



#25
2-Butanone
Concen: 0.222 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX009716.D
Acq: 20 May 2019 11:11

Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009716.D

Acq: 20 May 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBL01

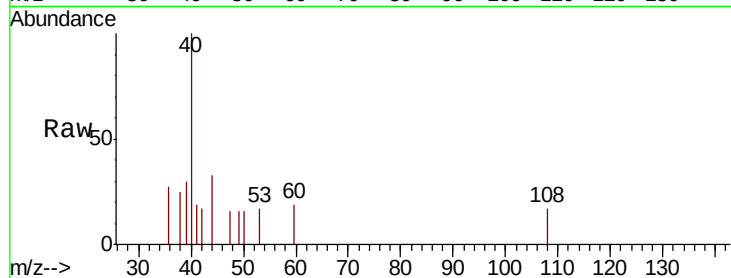
Tgt Ion: 49 Resp: 40

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

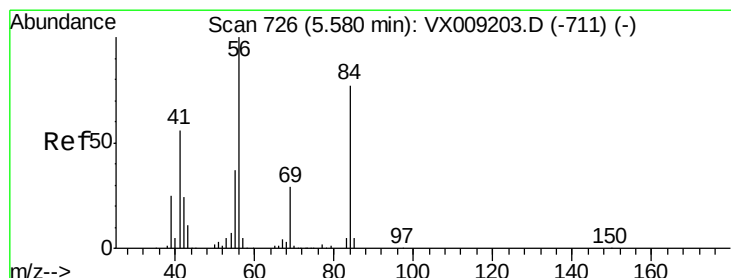
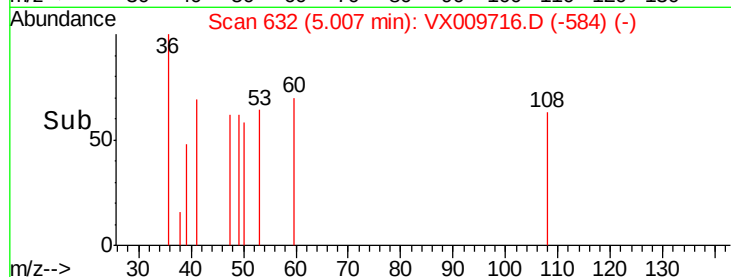
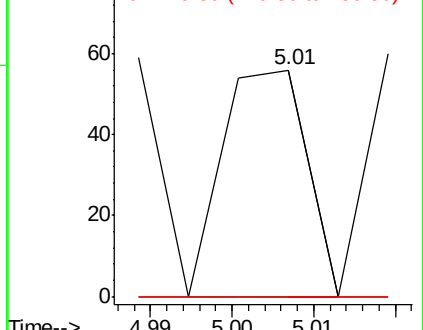
130 0.0 51.2 76.8#



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: 1.130 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009716.D

Acq: 20 May 2019 11:11

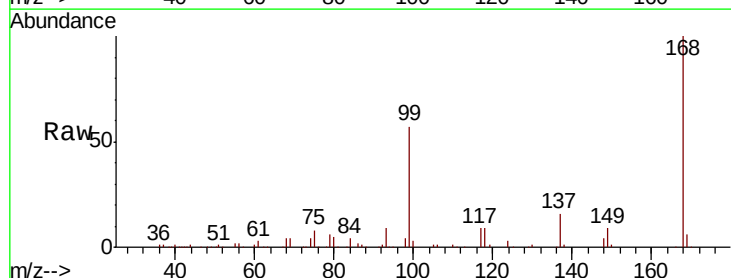
Tgt Ion: 56 Resp: 3804

Ion Ratio Lower Upper

56 100

69 189.9 23.4 35.0#

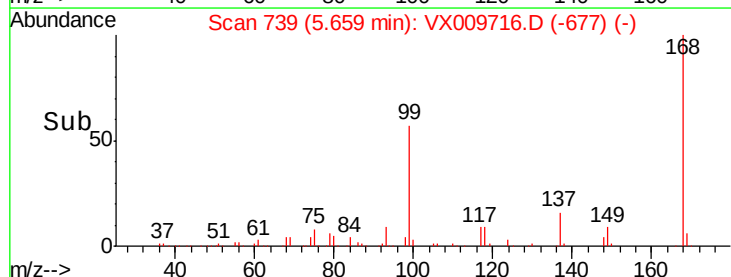
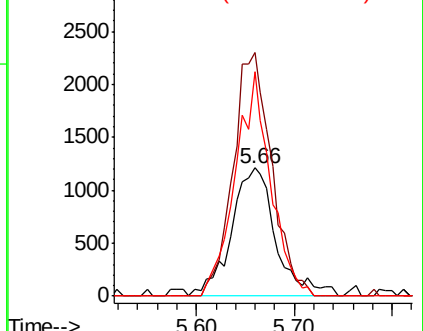
84 174.6 61.9 92.9#

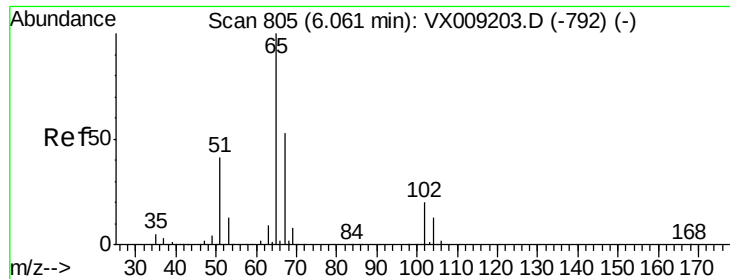


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

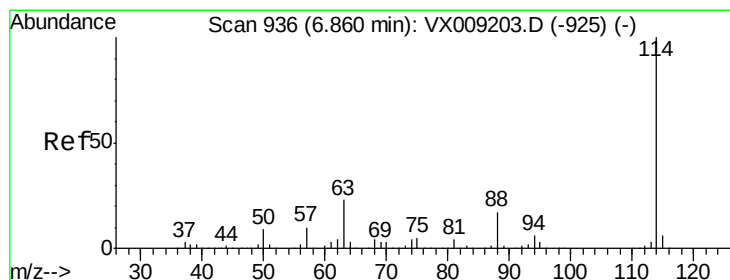
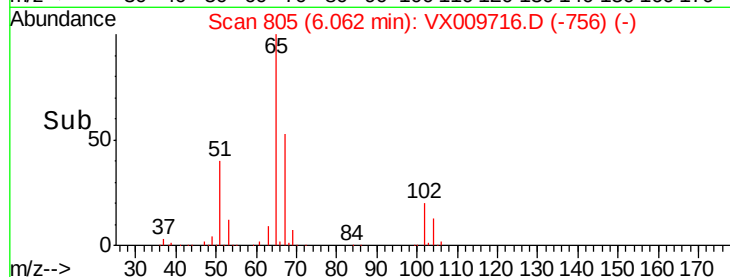
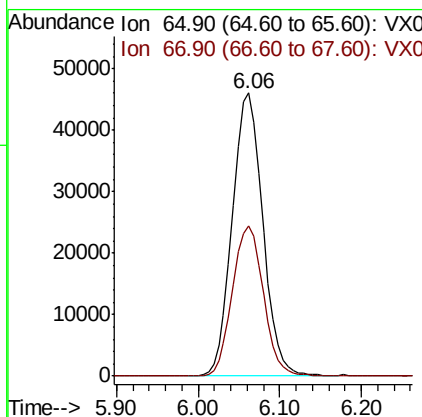
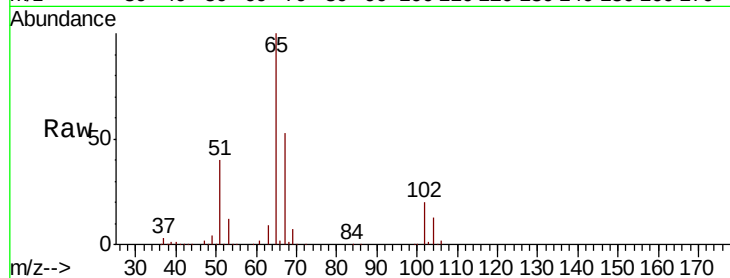




#33
 1,2-Dichloroethane-d4
 Concen: 52.448 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009716.D
 Acq: 20 May 2019 11:11

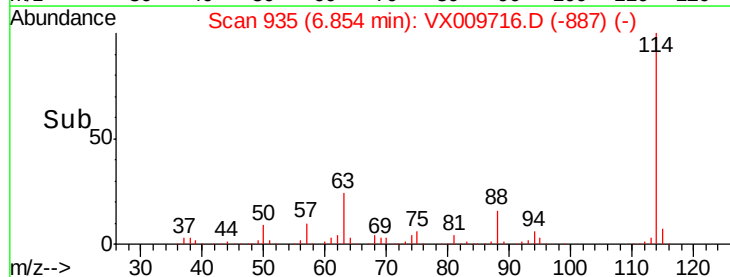
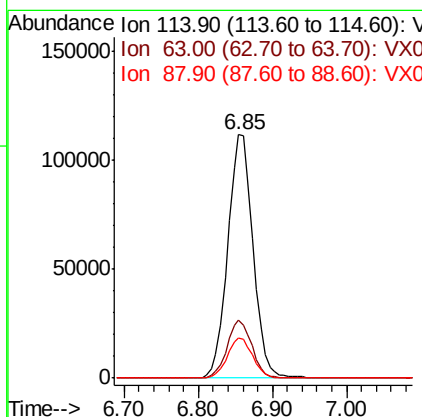
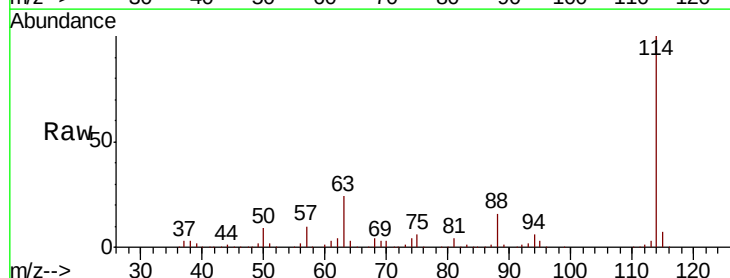
Instrument :
 MSVOA_X
 ClientSampled :
 VX0520WBL01

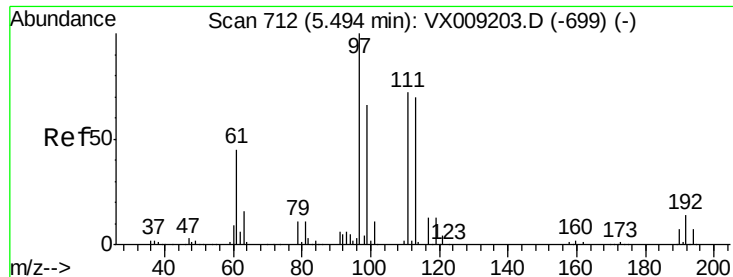
Tgt Ion: 65 Resp: 119383
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX009716.D
 Acq: 20 May 2019 11:11

Tgt Ion: 114 Resp: 265133
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 45.6
 88 16.4 0.0 33.2

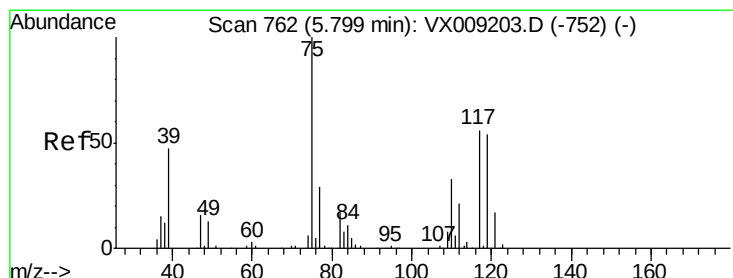
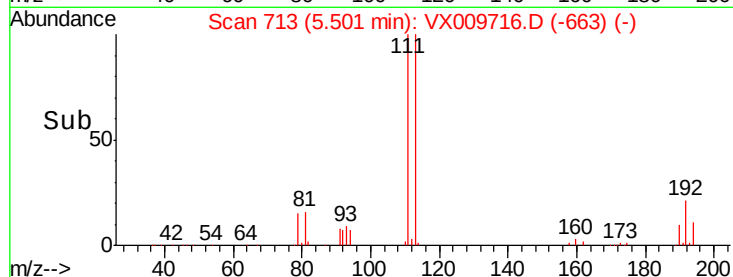
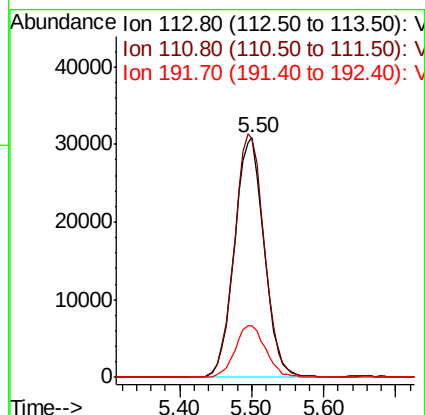
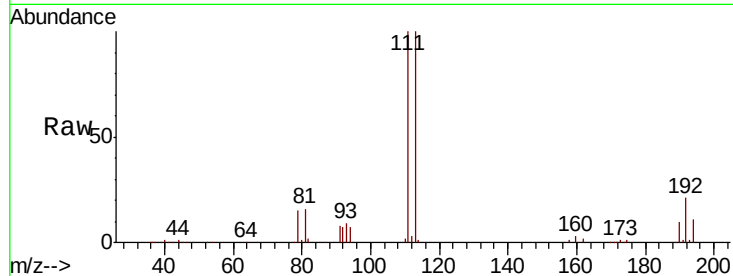




#35
 Dibromofluoromethane
 Concen: 52.937 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009716.D
 Acq: 20 May 2019 11:11

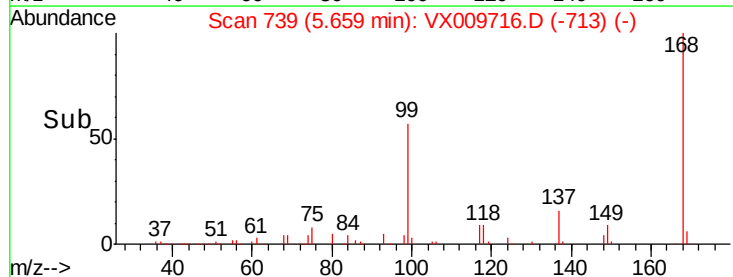
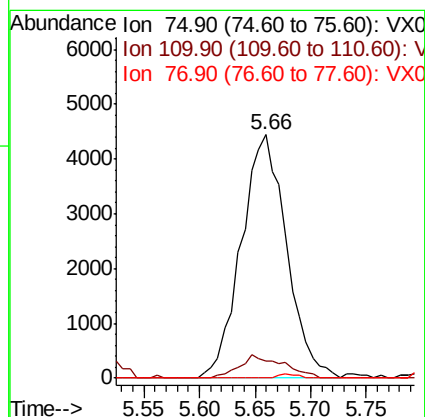
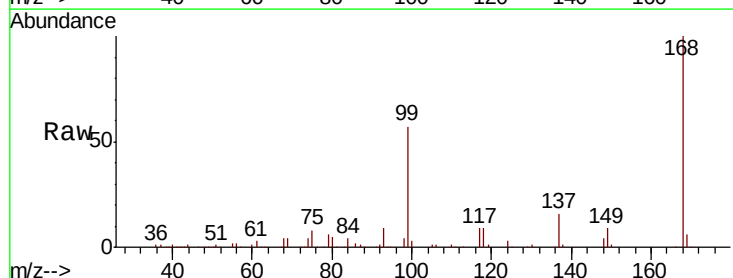
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBL01

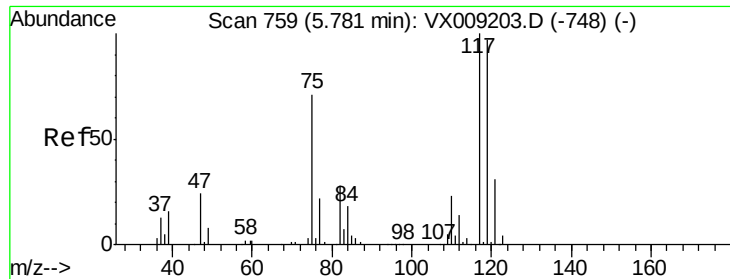
Tgt Ion:113 Resp: 88231
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.8 124.2
 192 22.1 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.111 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009716.D
 Acq: 20 May 2019 11:11

Tgt Ion: 75 Resp: 12594
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.9 50.6#
 77 0.0 24.8 37.2#

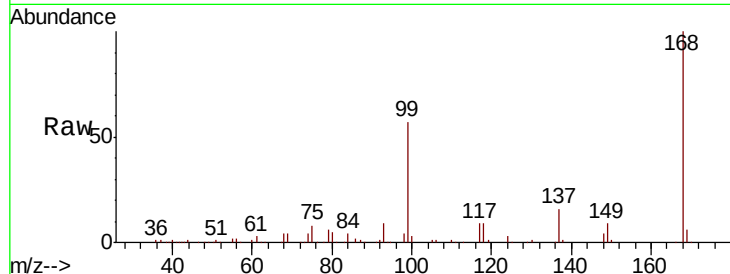




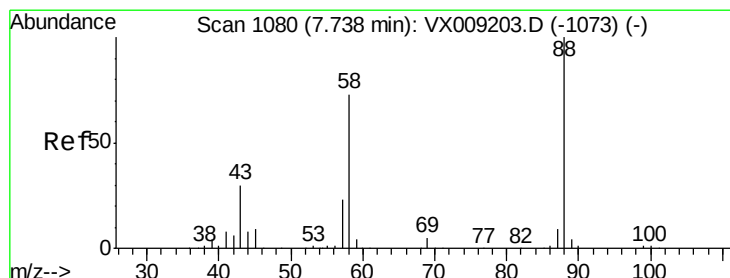
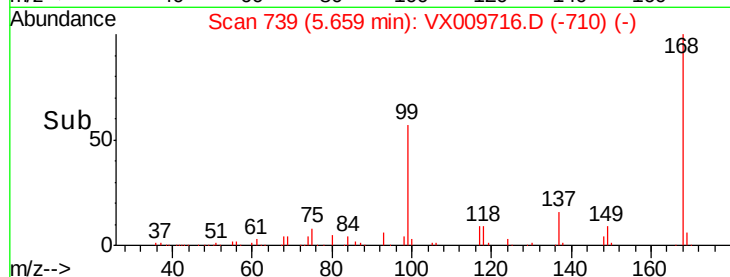
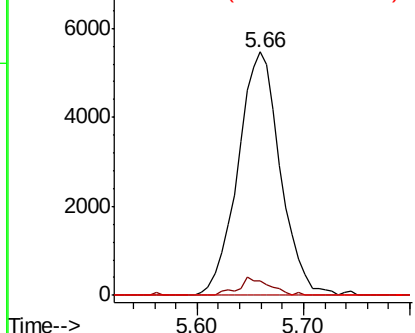
#38
Carbon Tetrachloride
Concen: 6.804 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009716.D
Acq: 20 May 2019 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBL01

Tgt Ion: 117 Resp: 15231
Ion Ratio Lower Upper
117 100
119 5.8 77.5 116.3#
121 0.0 24.7 37.1#

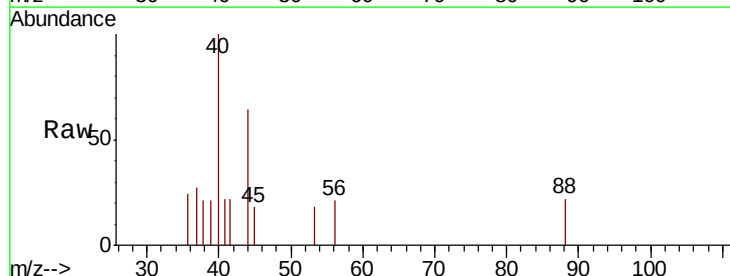


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

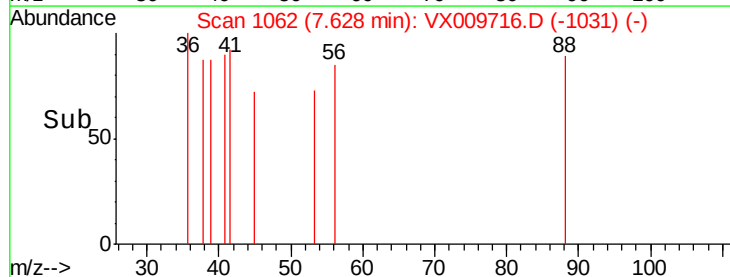
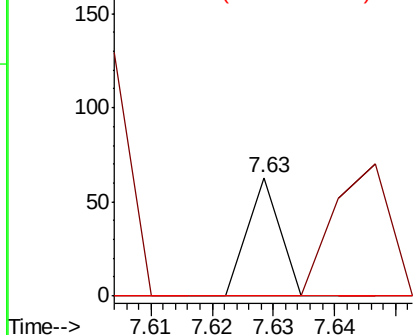


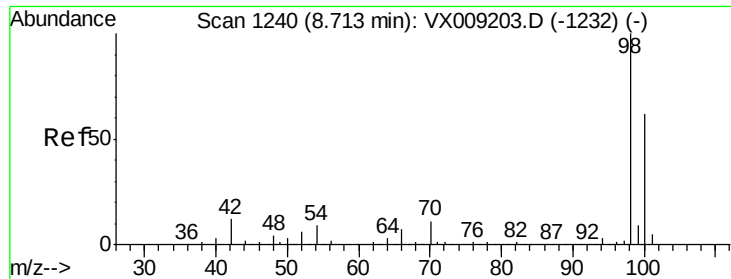
#49
1,4-Dioxane
Concen: 0.416 ug/l
RT: 7.63 min Scan# 1062
Delta R.T. -0.11 min
Lab File: VX009716.D
Acq: 20 May 2019 11:11

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 195.7 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

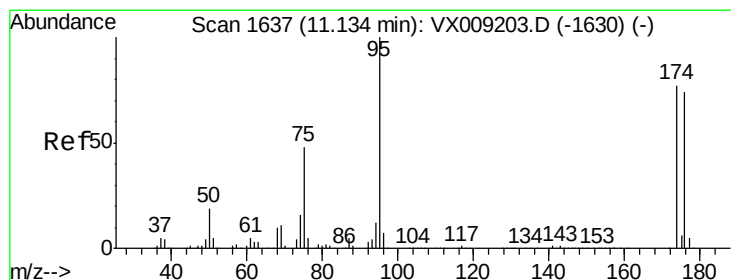
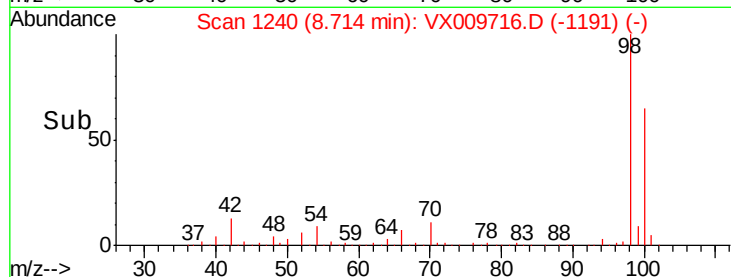
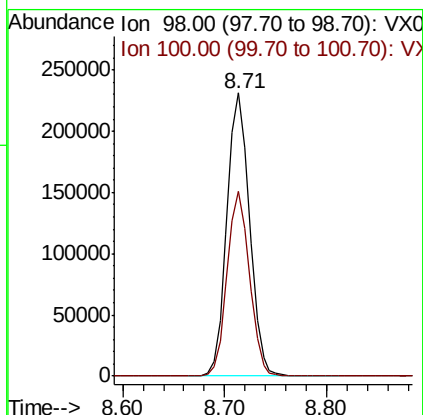
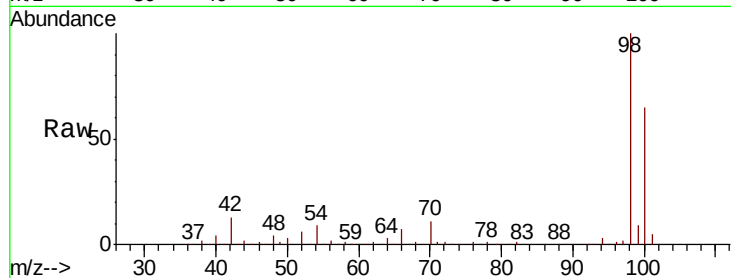




#50
Toluene-d8
Concen: 52.907 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009716.D
Acq: 20 May 2019 11:11

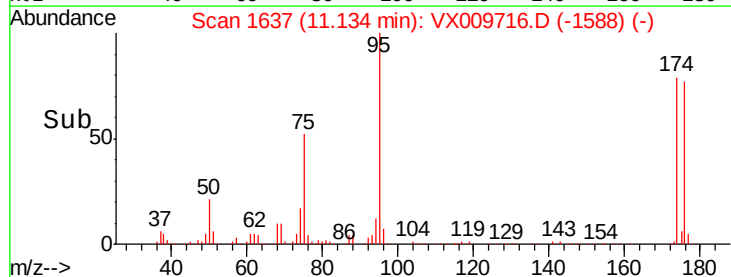
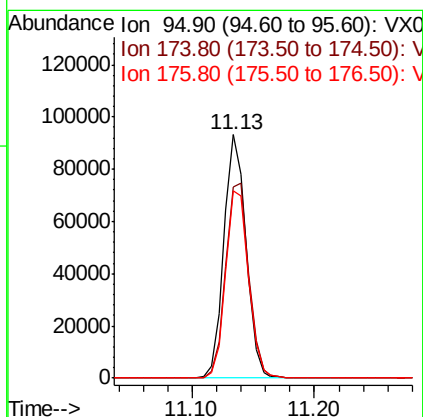
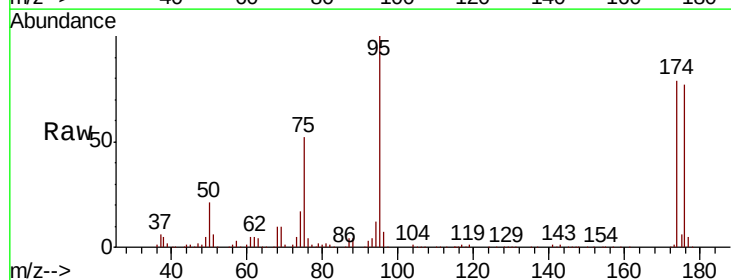
Instrument :
MSVOA_X
ClientSampled :
VX0520WBL01

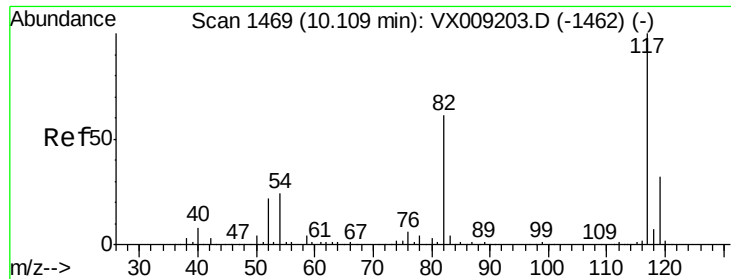
Tgt Ion: 98 Resp: 356011
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 47.727 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009716.D
Acq: 20 May 2019 11:11

Tgt Ion: 95 Resp: 116695
Ion Ratio Lower Upper
95 100
174 83.5 0.0 161.6
176 79.8 0.0 159.2

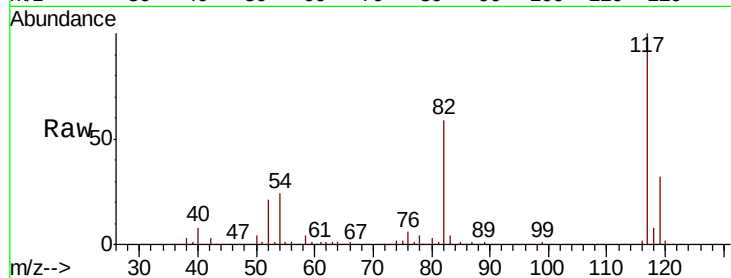




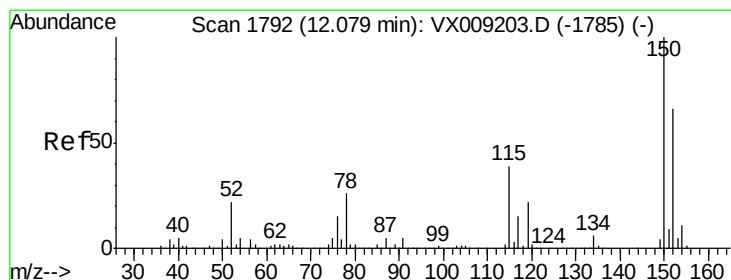
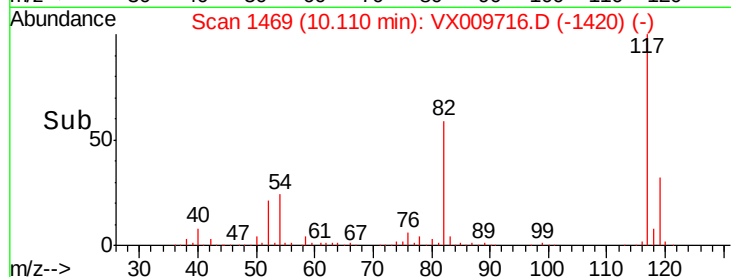
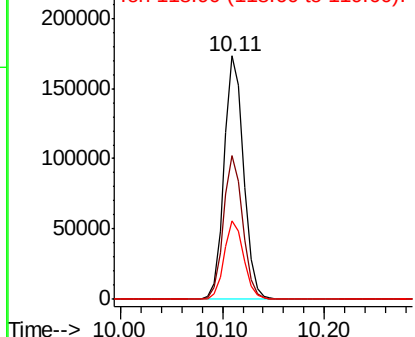
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009716.D
Acq: 20 May 2019 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBL01

Tgt Ion:117 Resp: 229521
Ion Ratio Lower Upper
117 100
82 59.2 48.8 73.2
119 32.1 25.8 38.6

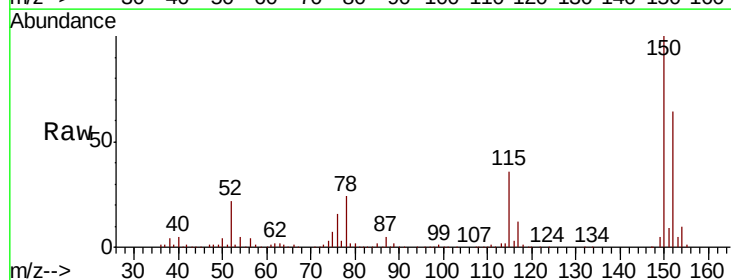


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

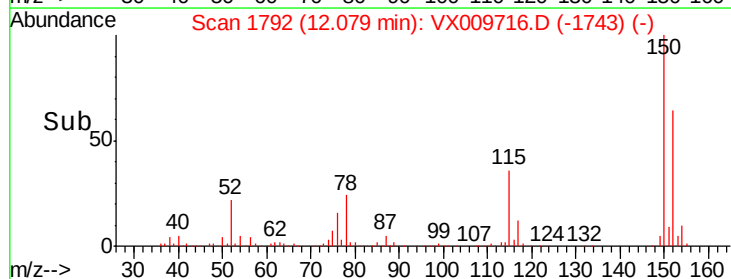
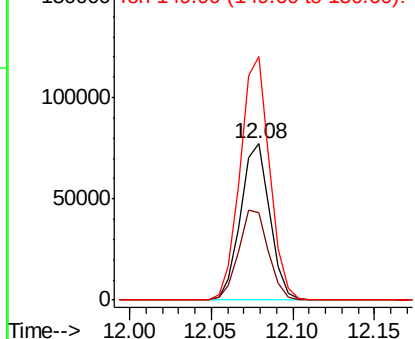


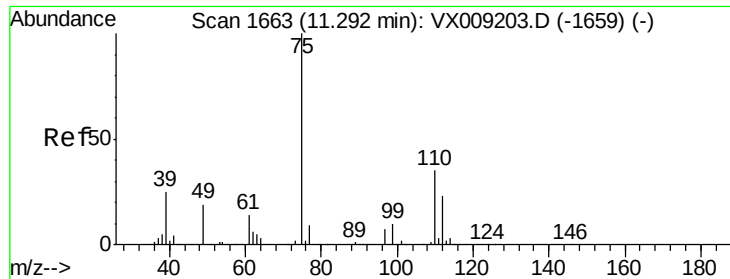
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009716.D
Acq: 20 May 2019 11:11

Tgt Ion:152 Resp: 96776
Ion Ratio Lower Upper
152 100
115 59.0 41.2 123.6
150 156.8 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

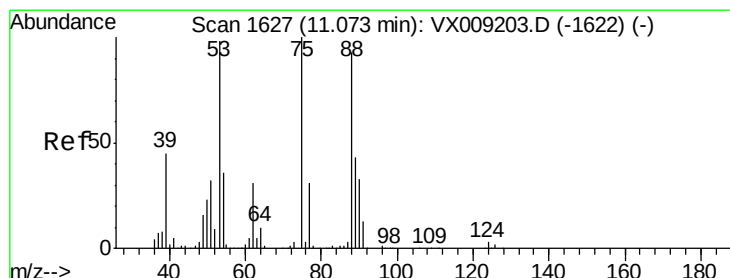
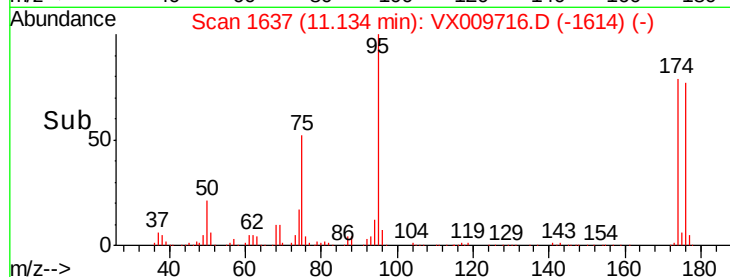
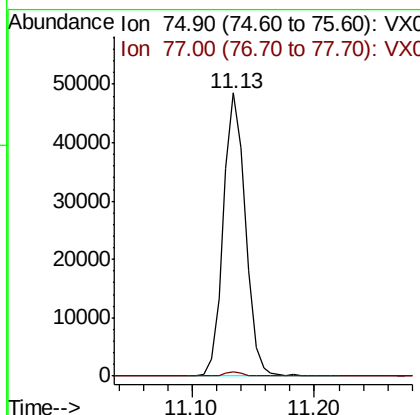
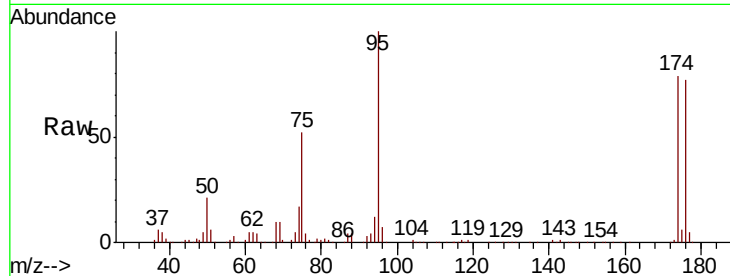




#76
 1,2,3-Trichloropropane
 Concen: 26.966 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009716.D
 Acq: 20 May 2019 11:11

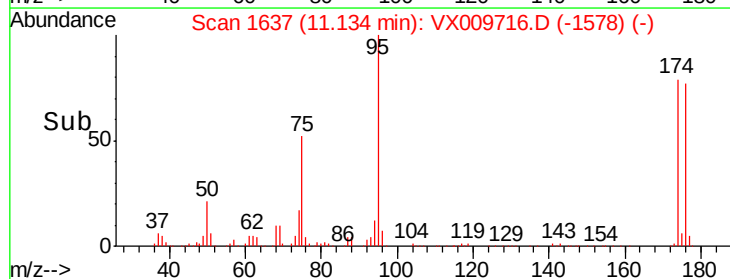
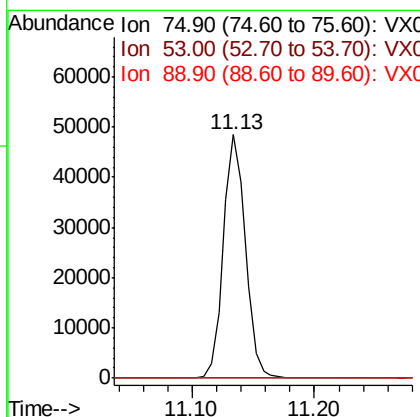
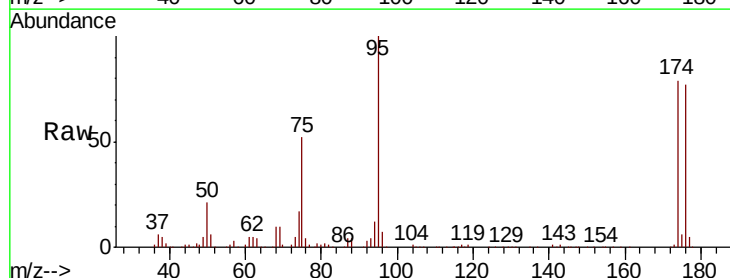
Instrument :
 MSVOA_X
 ClientSampled :
 VX0520WBL01

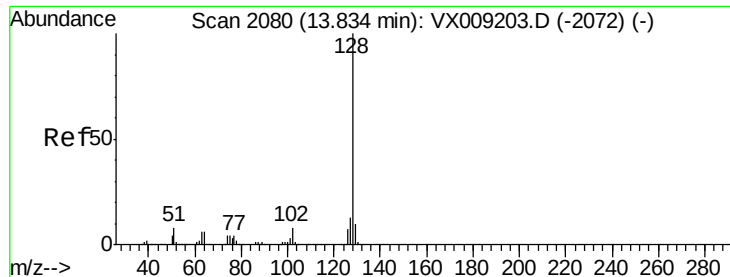
Tgt Ion: 75 Resp: 60535
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.997 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009716.D
 Acq: 20 May 2019 11:11

Tgt Ion: 75 Resp: 60535
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.0 118.6#
 89 0.1 34.7 52.1#





#95

Naphthalene

Concen: 0.216 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009716.D

Acq: 20 May 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBL01

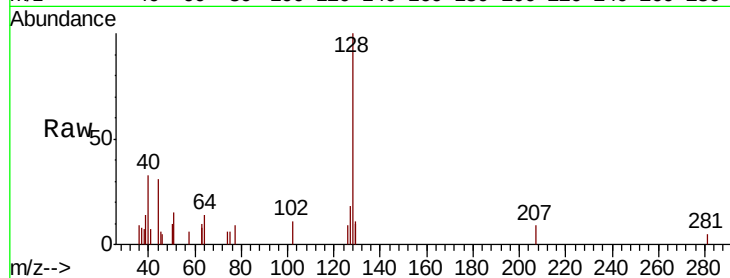
Tgt Ion:128 Resp: 1526

Ion Ratio Lower Upper

128 100

127 18.0 10.4 15.6#

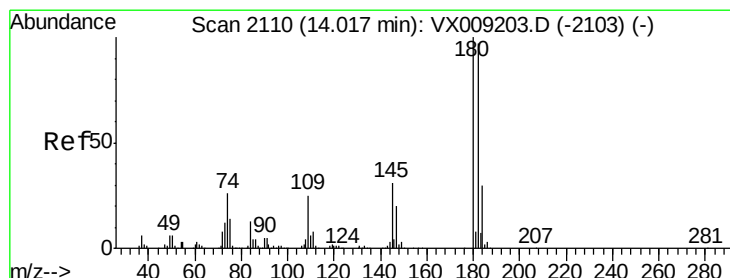
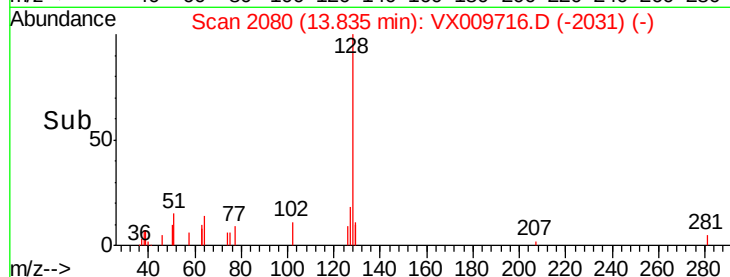
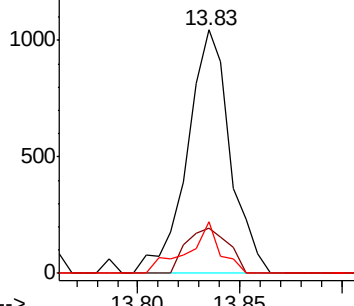
129 16.3 8.6 13.0#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.206 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009716.D

Acq: 20 May 2019 11:11

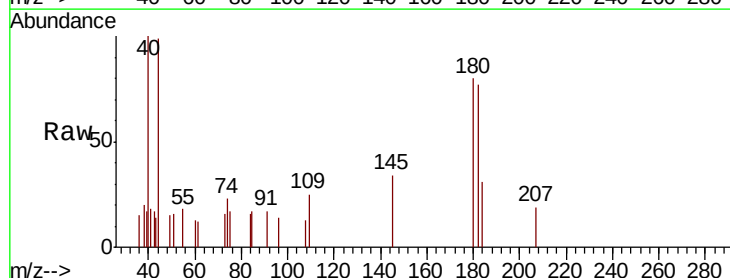
Tgt Ion:180 Resp: 453

Ion Ratio Lower Upper

180 100

182 87.6 47.8 143.4

145 33.1 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

