

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\
 Data File : VX009575.D
 Acq On : 15 May 2019 13:17
 Operator : JC/SP
 Sample : K2838-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:09:37 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	188602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	300228	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119225	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	124765	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
35) Dibromofluoromethane	5.50	113	91569	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	8.71	98	375643	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.13	95	125232	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	

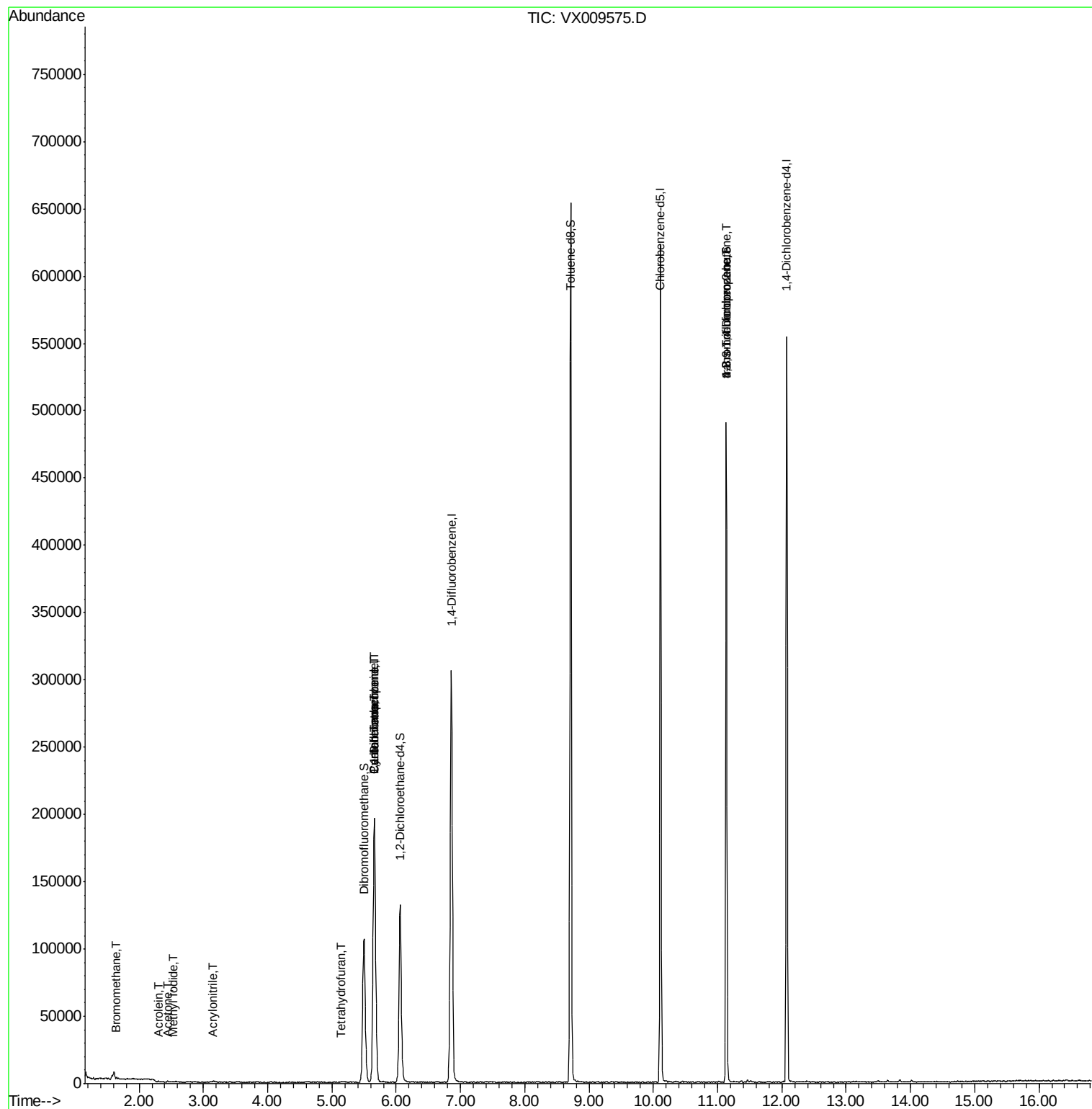
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	291	0.210	ug/l	83
10) Methyl Iodide	2.52	142	364	4.755	ug/l #	82
13) Acrolein	2.29	56	342	0.634	ug/l #	77
15) Acrylonitrile	3.14	53	568	0.390	ug/l #	78
16) Acetone	2.45	43	437	0.316	ug/l #	74
28) Bromochloromethane	4.97	49	25	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	510	0.369	ug/l #	71
31) Cyclohexane	5.66	56	4285	1.126	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15014	5.381	ug/l #	50
38) Carbon Tetrachloride	5.67	117	17855	7.044	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	63503	22.962	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63503	58.751	ug/l #	10

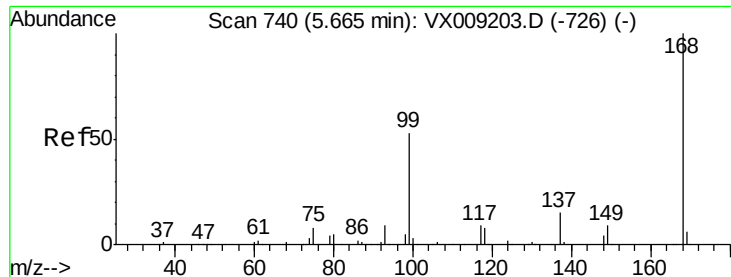
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009575.D

Acq: 15 May 2019 13:17

Instrument :

MSVOA_X

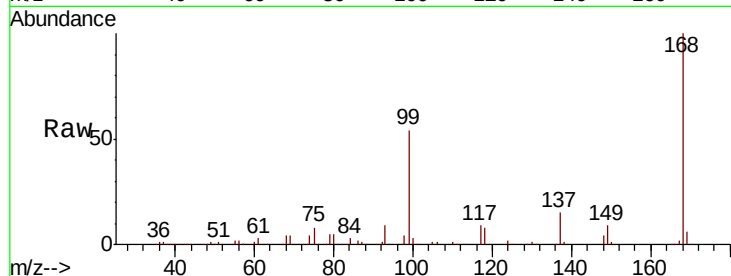
ClientSampleId :

Tot Ion:168 Resp: 188602

Ion Ratio Lower Upper

168 100

99 54.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

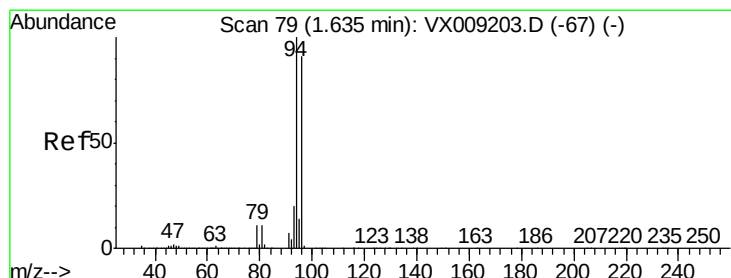
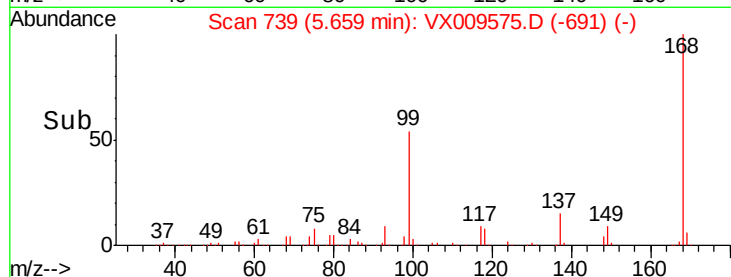
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.210 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009575.D

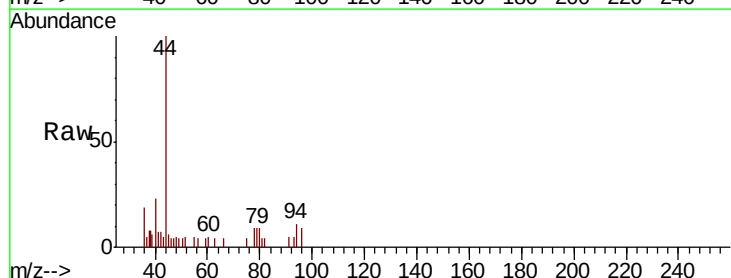
Acq: 15 May 2019 13:17

Tgt Ion: 94 Resp: 291

Ion Ratio Lower Upper

94 100

96 75.3 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

300

250

200

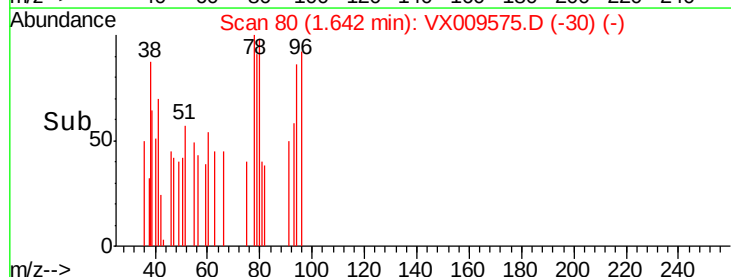
150

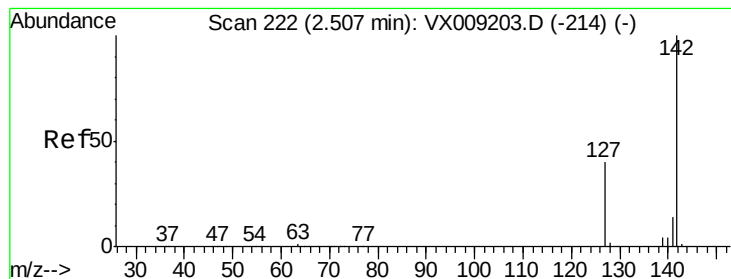
100

50

0

Time--> 1.62 1.64 1.66 1.68





#10

Methvl Iodide

Concen: 4.755 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009575.D

Acq: 15 May 2019 13:17

Instrument :

MSVOA_X

ClientSampled :

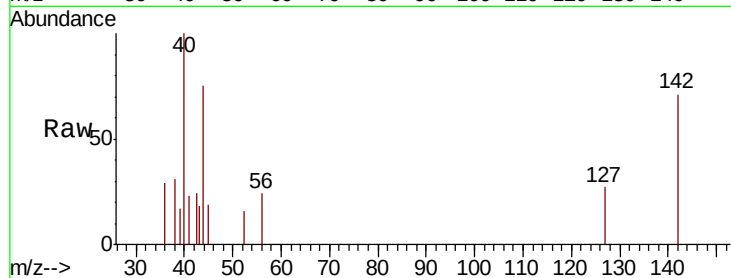
Tot Ion:142 Resp: 364

Ion Ratio Lower Upper

142 100

127 33.2 32.7 49.1

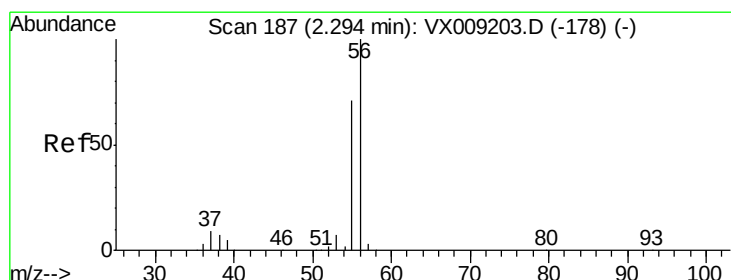
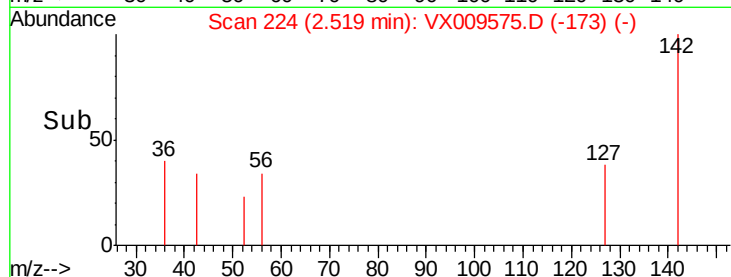
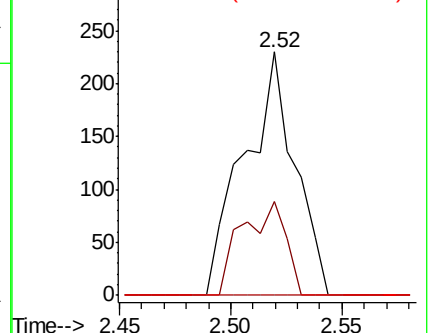
141 0.0 11.5 17.3#



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



#13

Acrolein

Concen: 0.634 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009575.D

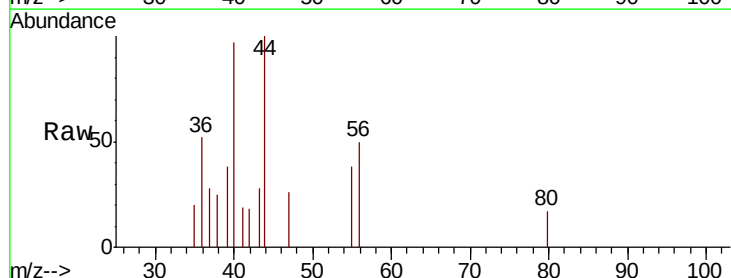
Acq: 15 May 2019 13:17

Tgt Ion: 56 Resp: 342

Ion Ratio Lower Upper

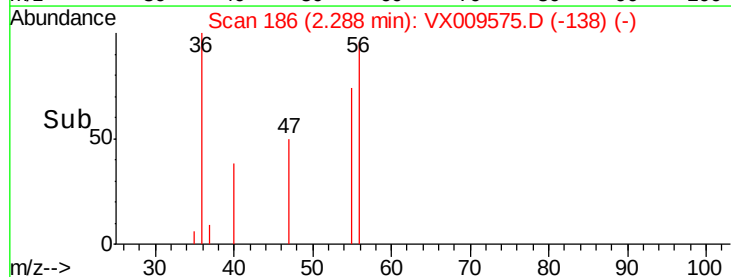
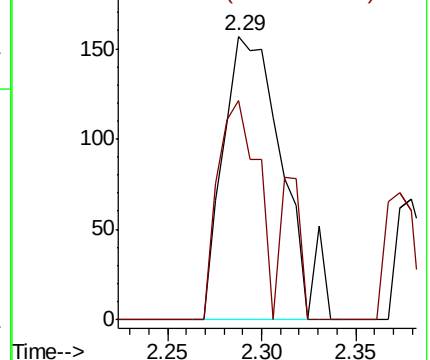
56 100

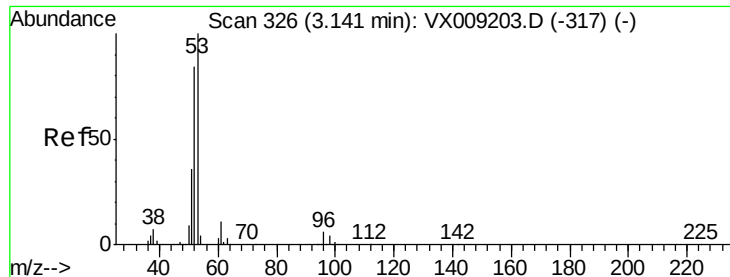
55 51.8 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.390 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009575.D

Acq: 15 May 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

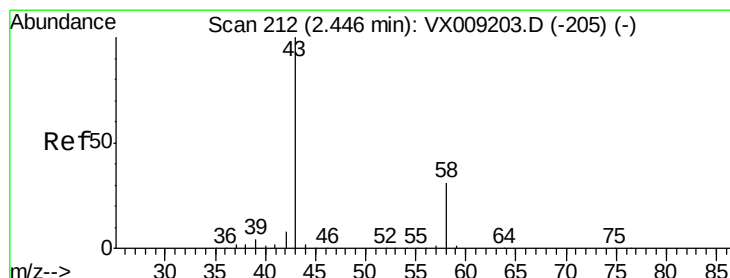
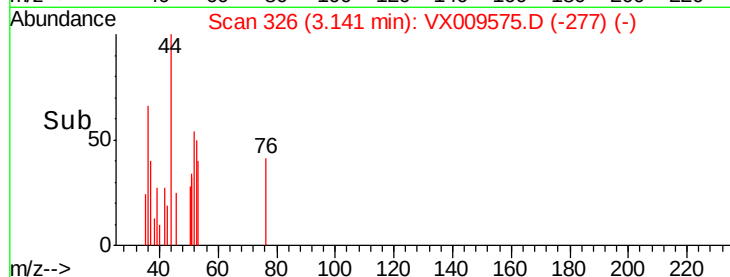
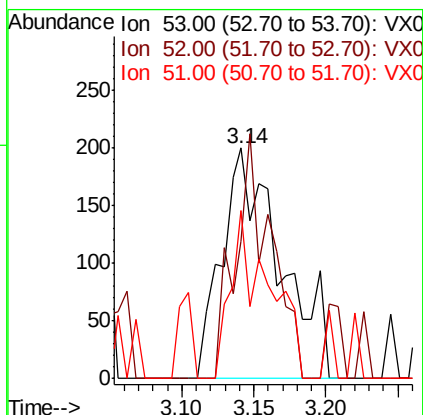
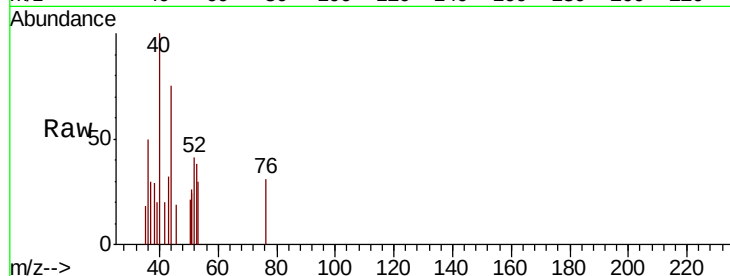
Tot Ion: 53 Resp: 568

Ion Ratio Lower Upper

53 100

52 63.7 66.9 100.3#

51 47.5 28.2 42.2#



#16

Acetone

Concen: 0.316 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX009575.D

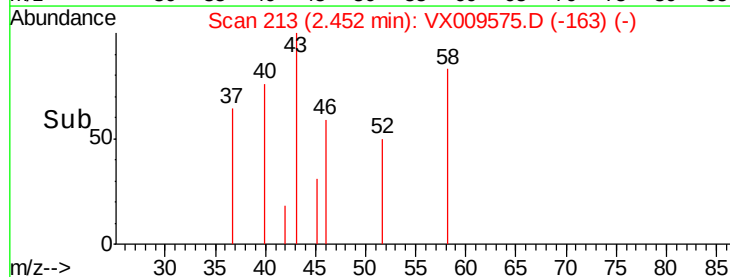
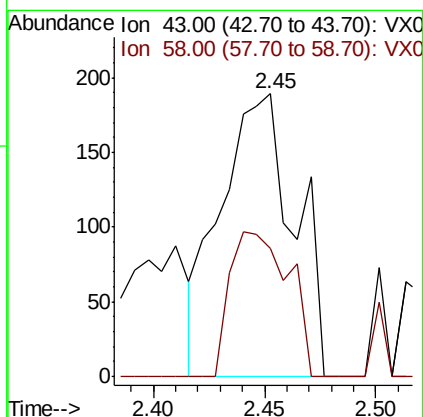
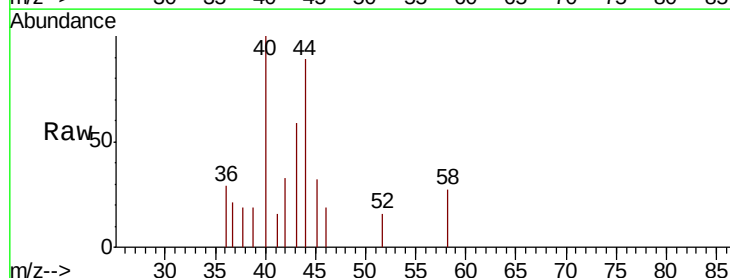
Acq: 15 May 2019 13:17

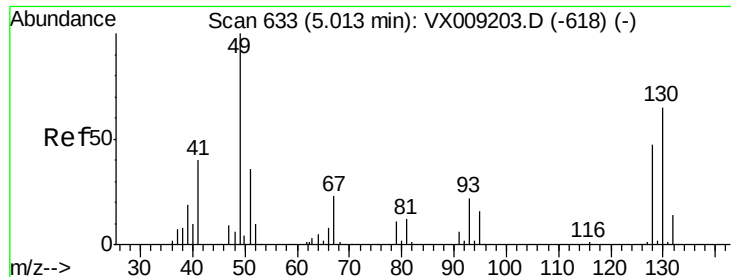
Tgt Ion: 43 Resp: 437

Ion Ratio Lower Upper

43 100

58 45.5 24.9 37.3#





#28

Bromochloromethane

Concen: Below Cal

RT: 4.97 min Scan# 626

Delta R.T. -0.04 min

Lab File: VX009575.D

Acq: 15 May 2019 13:17

Instrument :

MSVOA_X

ClientSampled :

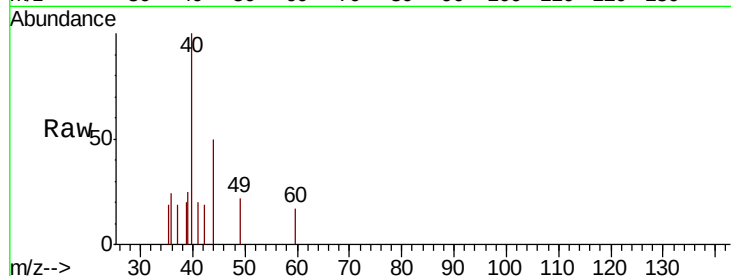
Tot Ion: 49 Resp: 25

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

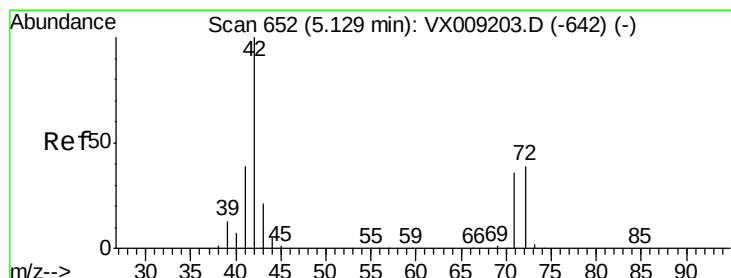
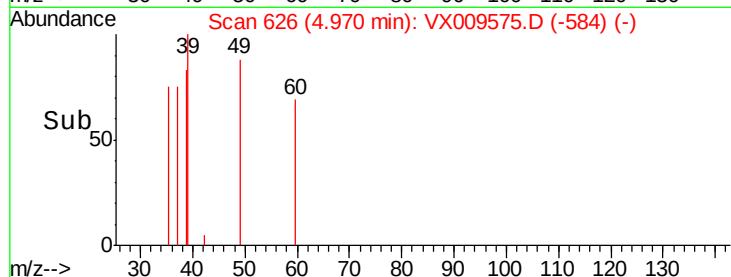
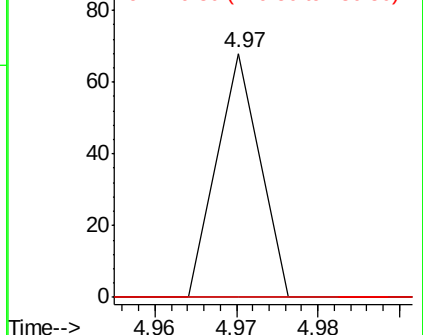
130 0.0 51.2 76.8#



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



#29

Tetrahydrofuran

Concen: 0.369 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009575.D

Acq: 15 May 2019 13:17

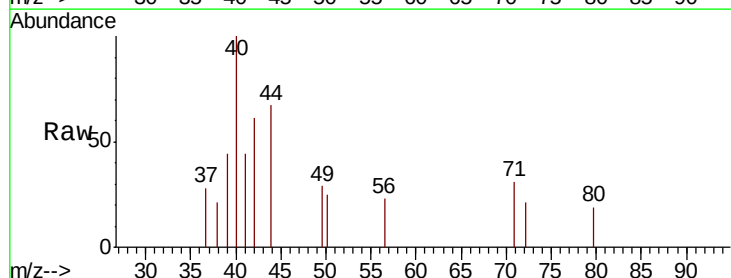
Tgt Ion: 42 Resp: 510

Ion Ratio Lower Upper

42 100

72 19.4 30.4 45.6#

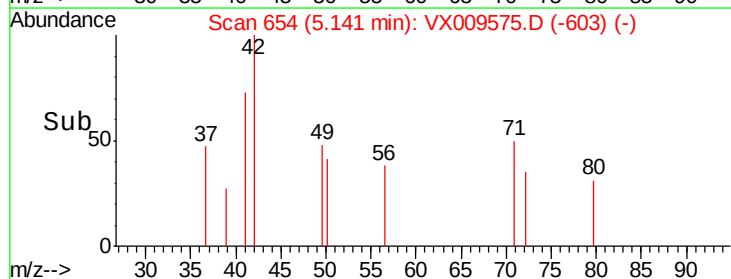
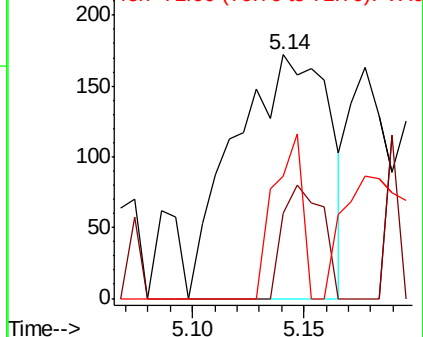
71 20.0 28.6 43.0#

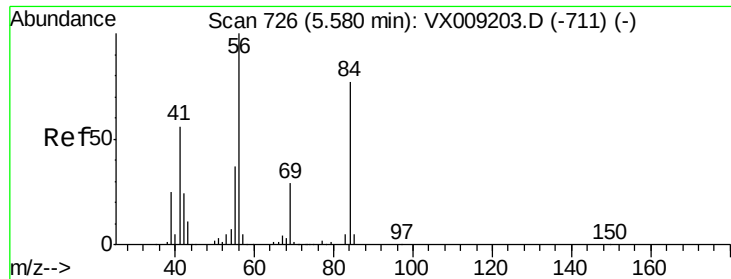


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

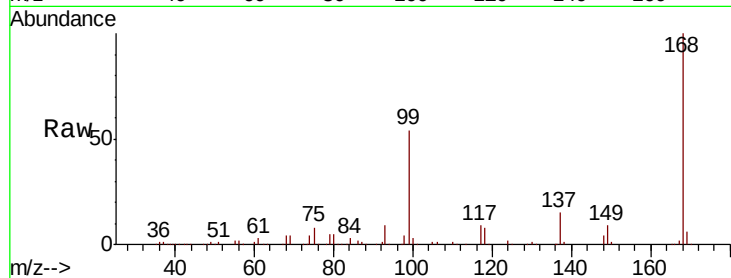




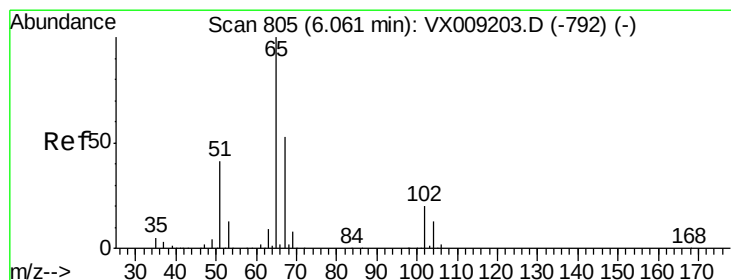
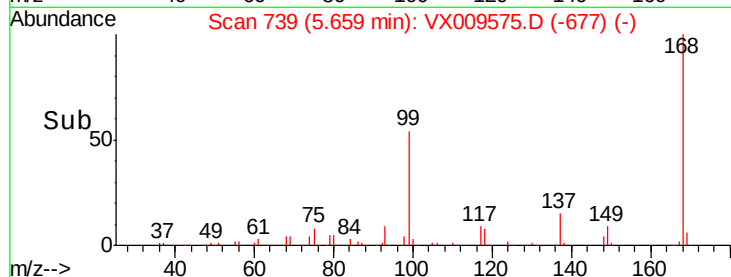
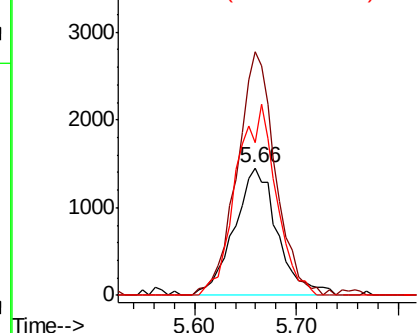
#31
Cyclohexane
Concen: 1.126 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009575.D
Acq: 15 May 2019 13:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
56	100		
69	190.9	23.4	35.0#
84	119.7	61.9	92.9#

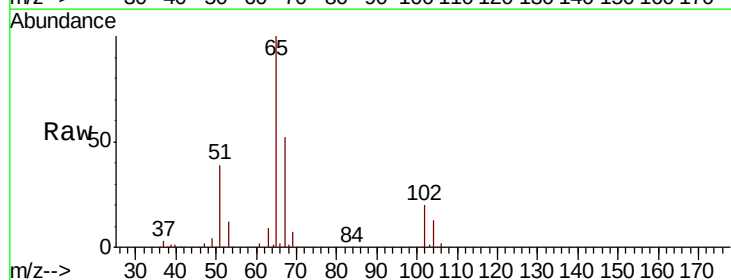


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

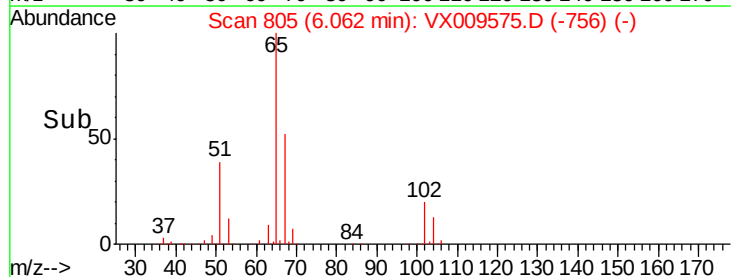
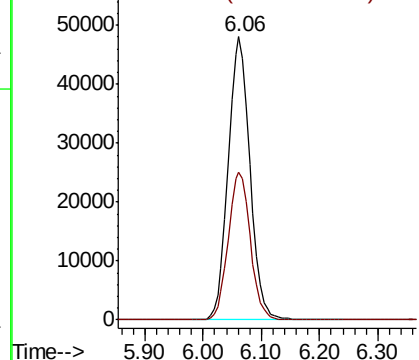


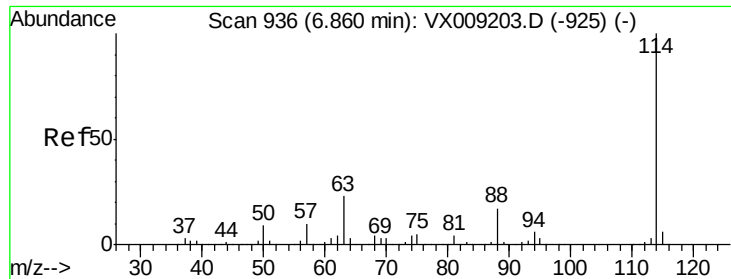
#33
1,2-Dichloroethane-d4
Concen: 48.459 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009575.D
Acq: 15 May 2019 13:17

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

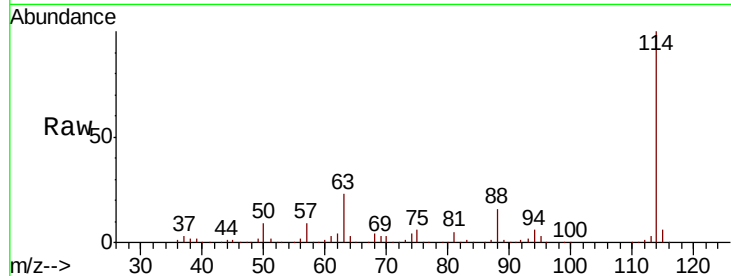




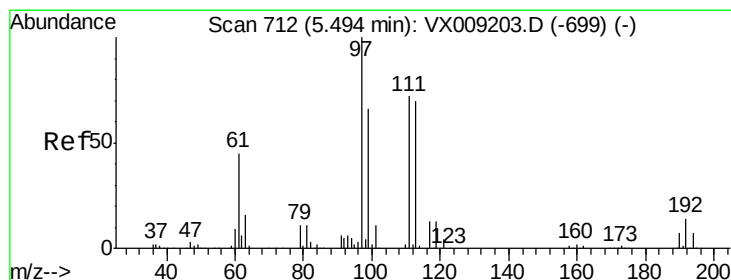
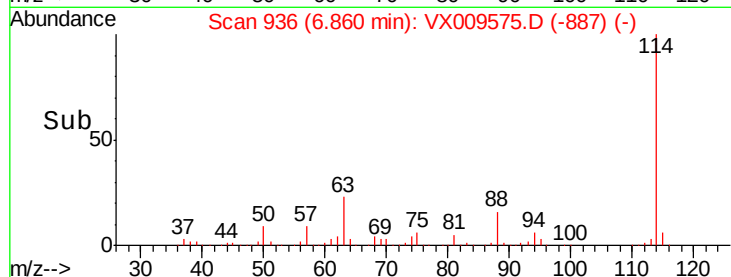
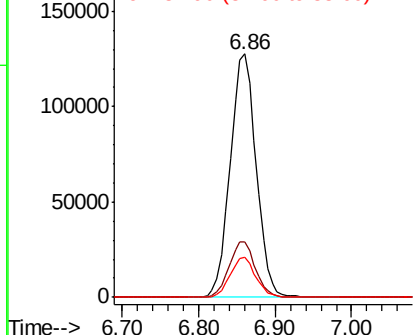
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009575.D
 Acq: 15 May 2019 13:17

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 300228
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.6
 88 16.4 0.0 33.2

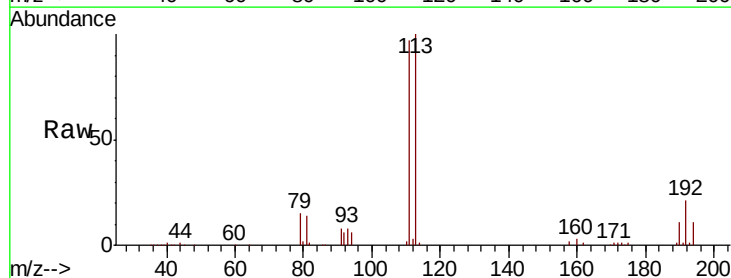


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

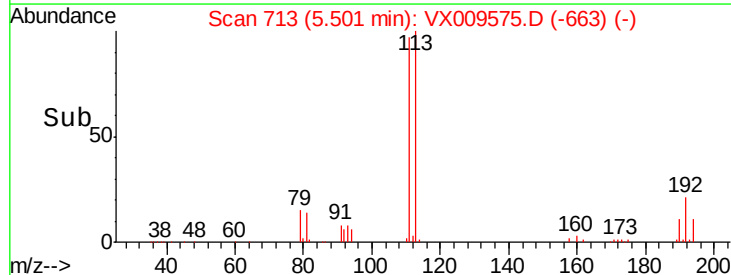
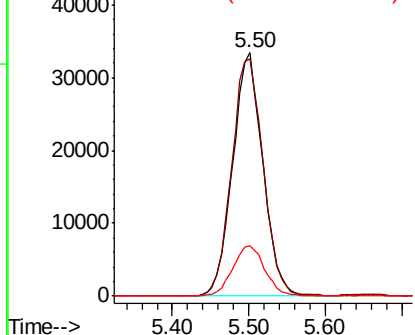


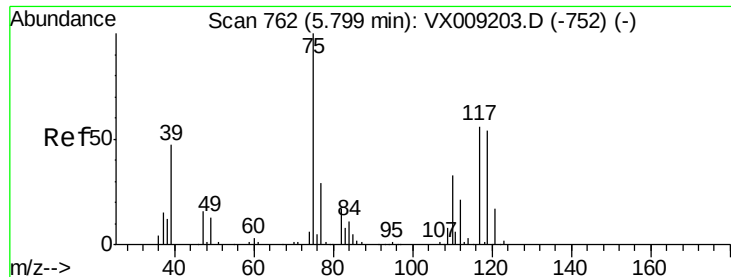
#35
 Dibromofluoromethane
 Concen: 48.517 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009575.D
 Acq: 15 May 2019 13:17

Tgt Ion:113 Resp: 91569
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.8 124.2
 192 21.9 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

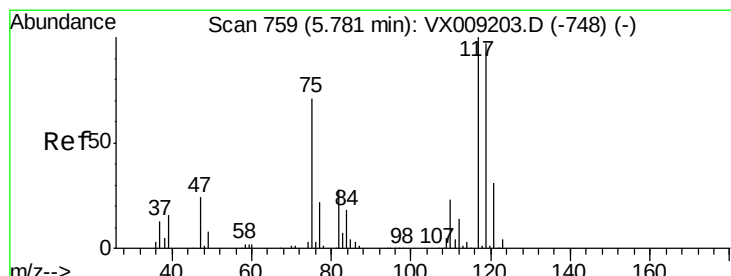
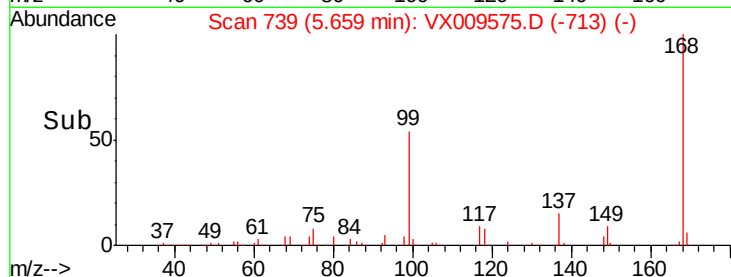
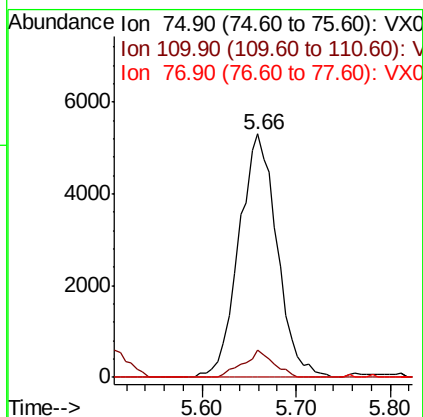
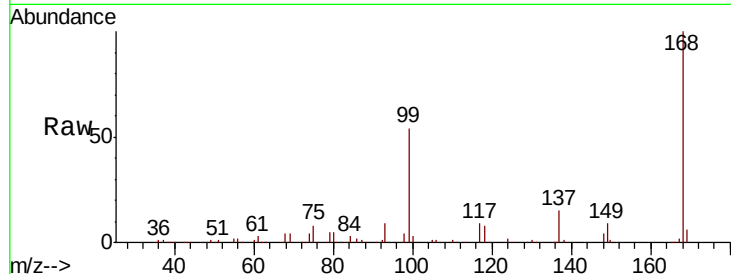




#36
 1,1-Dichloropropene
 Concen: 5.381 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009575.D
 Acq: 15 May 2019 13:17

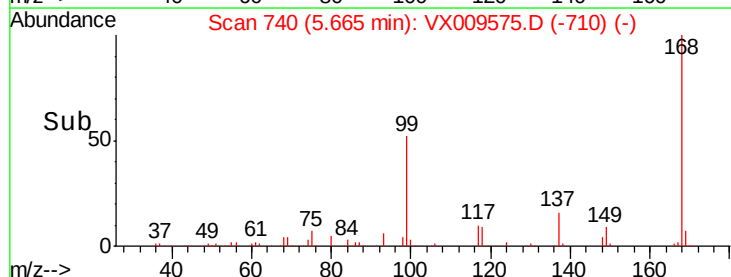
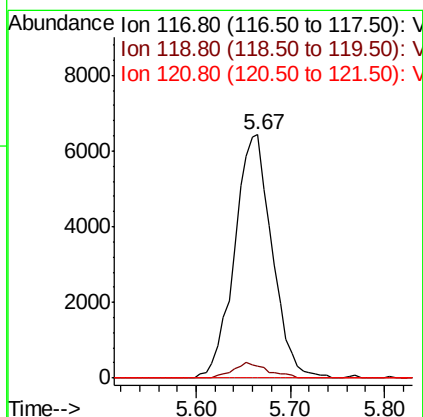
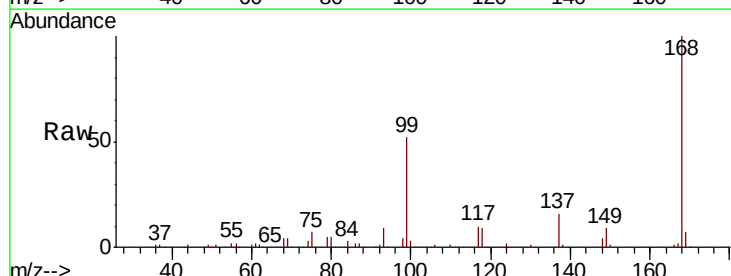
Instrument :
 MSVOA_X
 ClientSampleId :

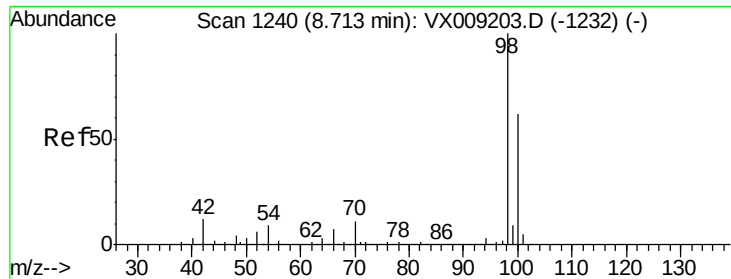
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.9	50.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.044 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009575.D
 Acq: 15 May 2019 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.5	116.3#
121	0.0	24.7	37.1#

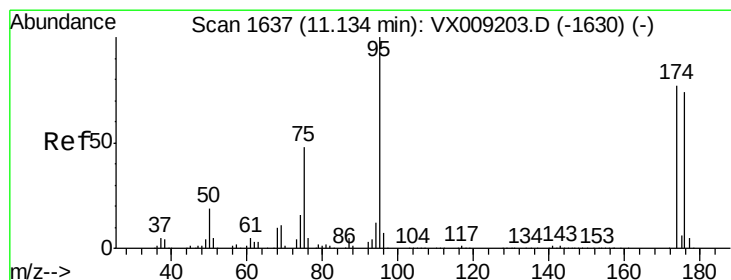
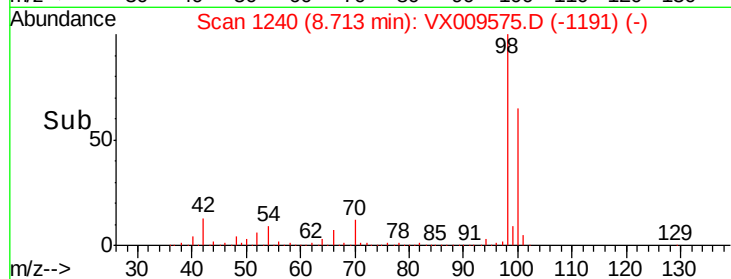
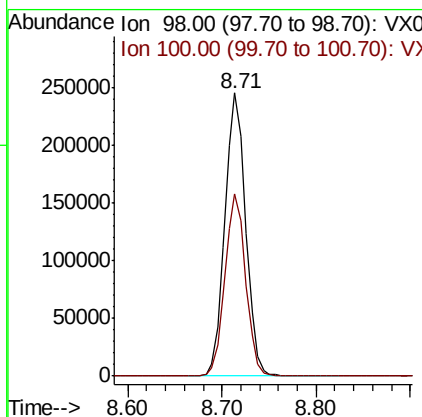
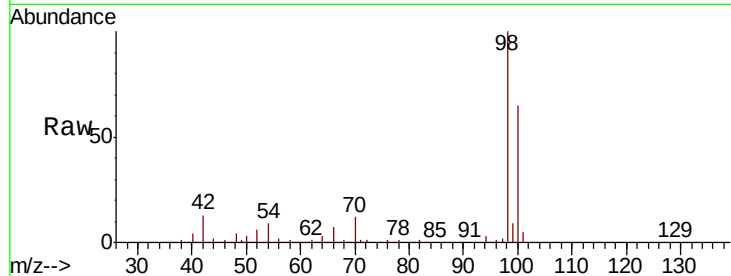




#50
Toluene-d8
Concen: 49.299 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009575.D
Acq: 15 May 2019 13:17

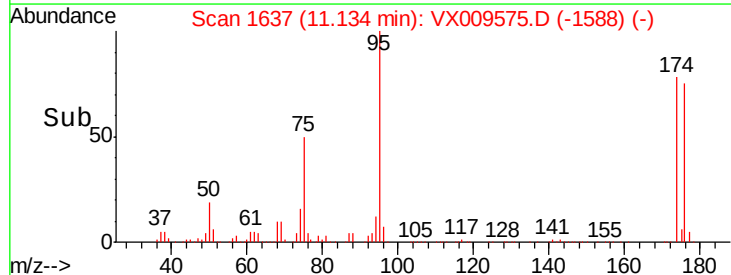
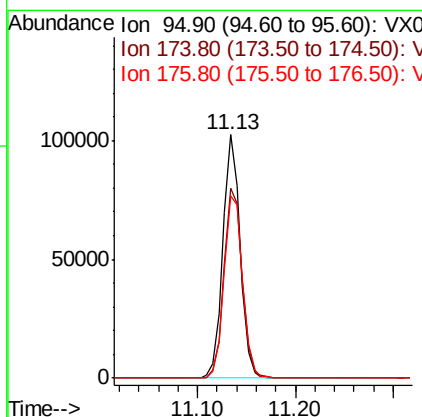
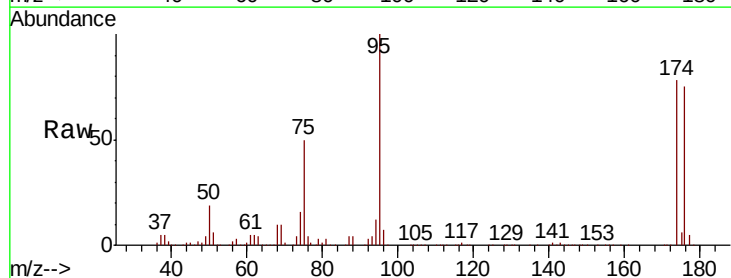
Instrument :
MSVOA_X
ClientSampled :

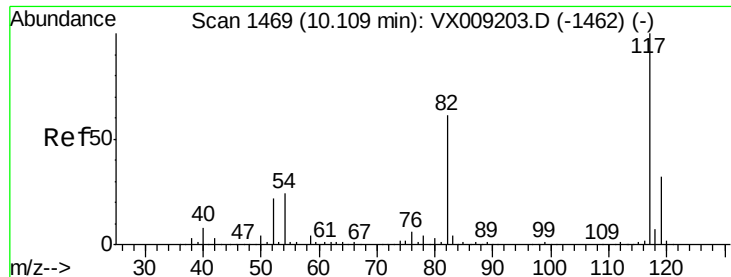
Tot Ion: 98 Resp: 375643
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 45.231 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009575.D
Acq: 15 May 2019 13:17

Tgt Ion: 95 Resp: 125232
Ion Ratio Lower Upper
95 100
174 82.3 0.0 161.6
176 80.3 0.0 159.2

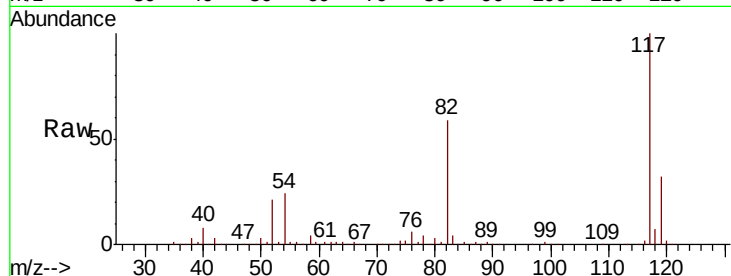




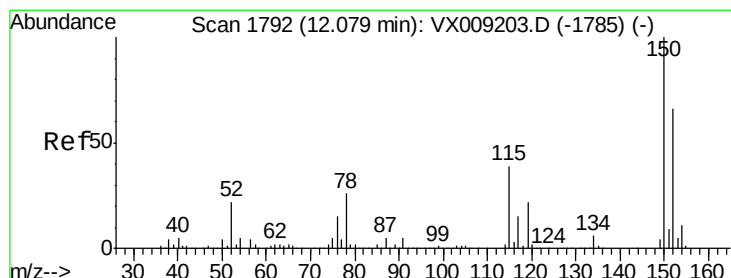
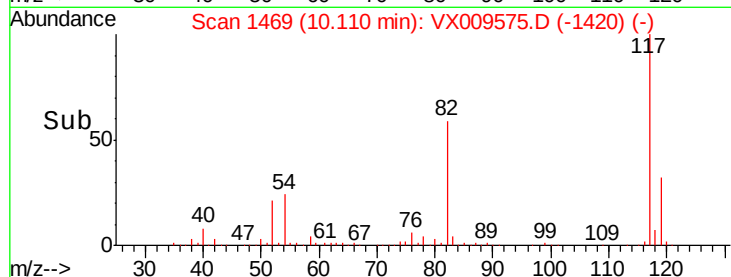
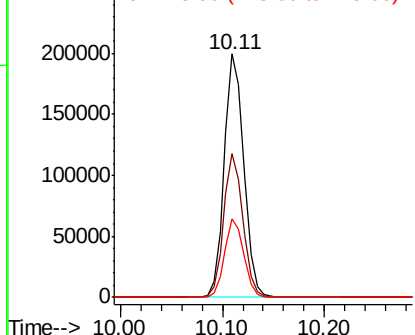
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009575.D
Acq: 15 May 2019 13:17

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 265660
Ion Ratio Lower Upper
117 100
82 58.9 48.8 73.2
119 32.4 25.8 38.6

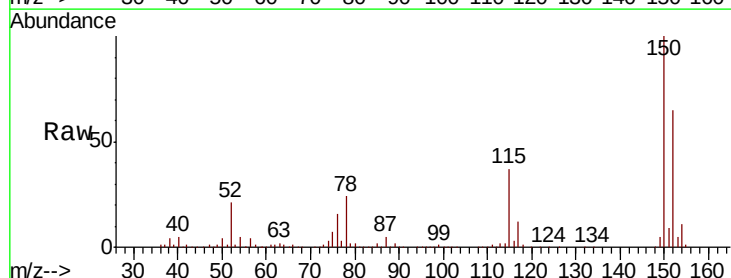


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

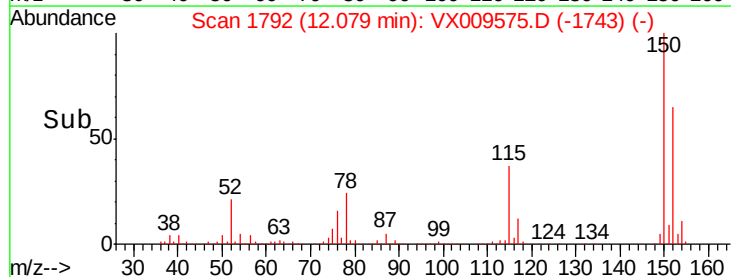
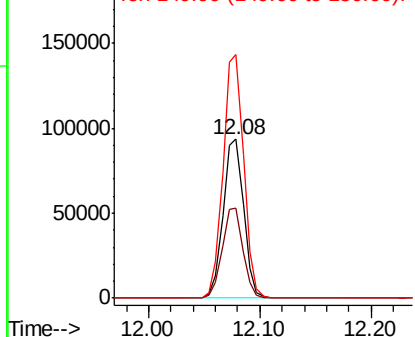


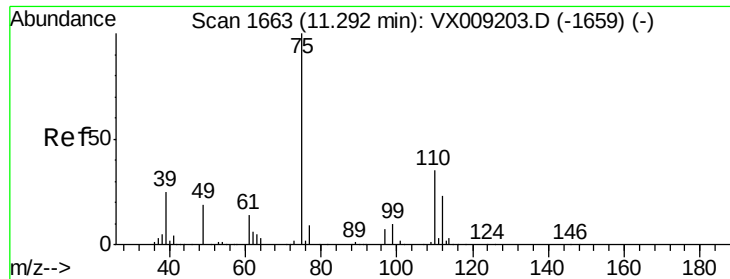
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009575.D
Acq: 15 May 2019 13:17

Tgt Ion:152 Resp: 119225
Ion Ratio Lower Upper
152 100
115 57.2 41.2 123.6
150 154.3 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: 22.962 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009575.D

Acq: 15 May 2019 13:17

Instrument :

MSVOA_X

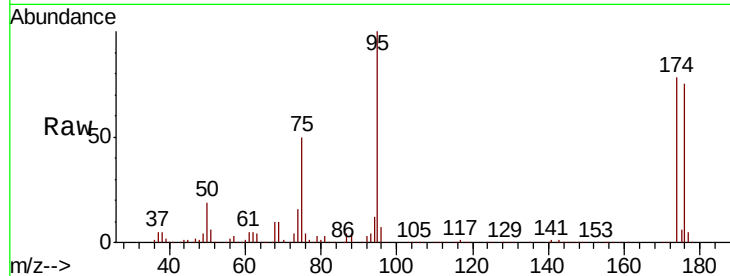
ClientSampled :

Tot Ion: 75 Resp: 63503

Ion Ratio Lower Upper

75 100

77 1.3 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

50000

40000

30000

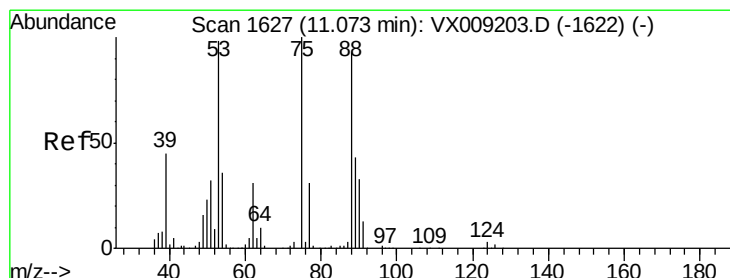
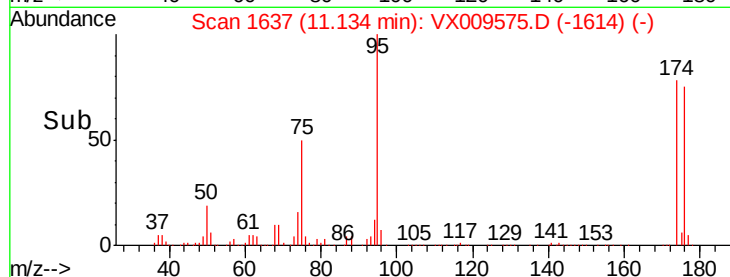
20000

10000

0

11.10 11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 58.751 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009575.D

Acq: 15 May 2019 13:17

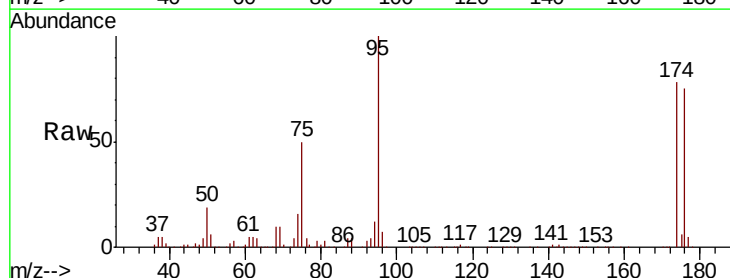
Tgt Ion: 75 Resp: 63503

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

60000

50000

40000

30000

20000

10000

0

11.10 11.20

Time-->

