

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009625.D
 Acq On : 16 May 2019 22:59
 Operator : JC/SP
 Sample : VX0516WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBL02

Quant Time: May 17 06:42:31 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	169564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	272172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	93479	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	112597	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
35) Dibromofluoromethane	5.50	113	83089	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	8.71	98	338498	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.13	95	107596	42.87	ug/l	0.00
Spiked Amount			Recovery	=	85.74%	

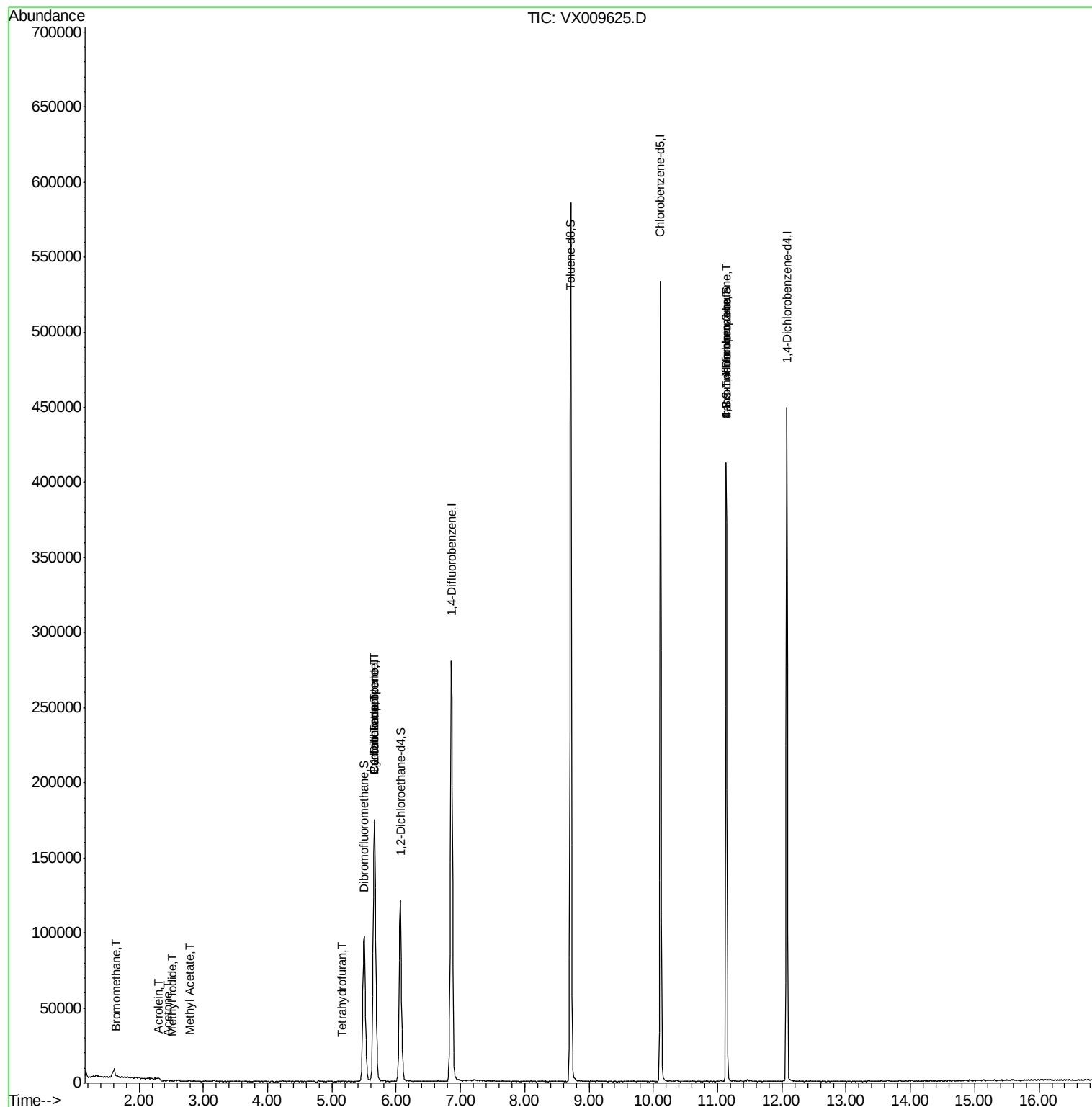
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	376	0.301	ug/l #	77
10) Methyl Iodide	2.51	142	117	4.651	ug/l	97
13) Acrolein	2.29	56	296	0.610	ug/l #	66
16) Acetone	2.45	43	525	0.422	ug/l #	87
18) Methyl Acetate	2.78	43	1391	0.471	ug/l #	86
28) Bromochloromethane	4.99	49	19	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	526	0.423	ug/l #	49
31) Cyclohexane	5.66	56	3885	1.135	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13739	5.432	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16517	7.187	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	54401	25.088	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	54401	64.192	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051619\
Data File : VX009625.D
Acq On : 16 May 2019 22:59
Operator : JC/SP
Sample : VX0516WBL02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBL02

Quant Time: May 17 06:42:31 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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009625.D

Acq: 16 May 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

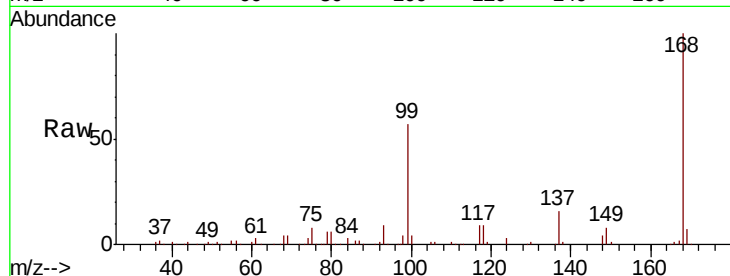
VX0516WBL02

Tot Ion:168 Resp: 169564

Ion Ratio Lower Upper

168 100

99 56.9 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

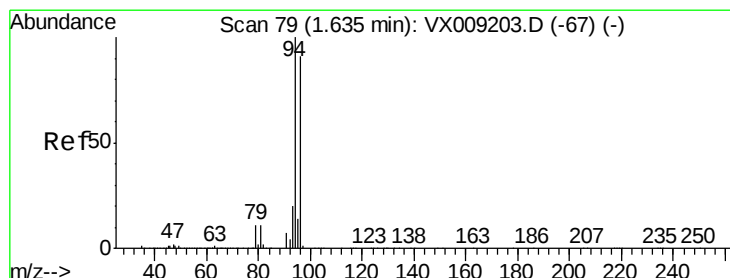
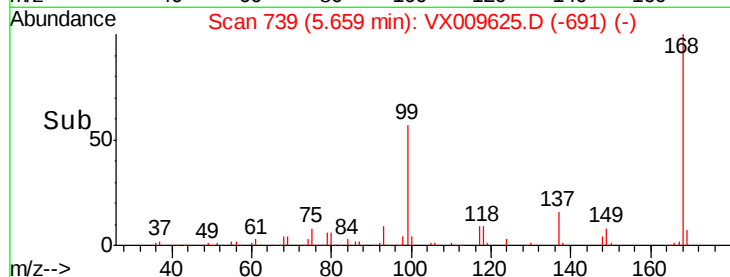
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.301 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009625.D

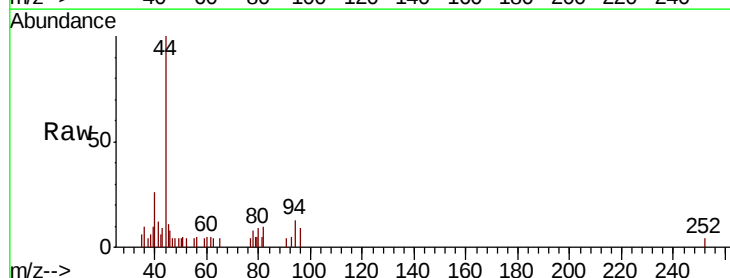
Acq: 16 May 2019 22:59

Tgt Ion: 94 Resp: 376

Ion Ratio Lower Upper

94 100

96 69.7 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

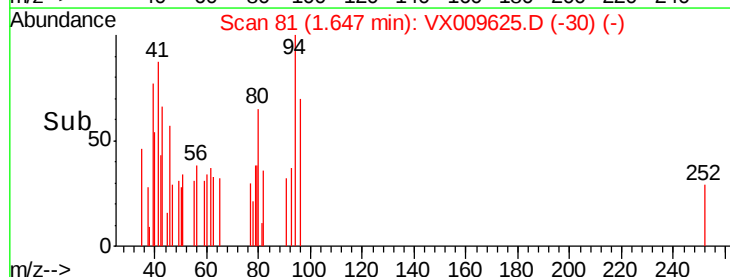
150

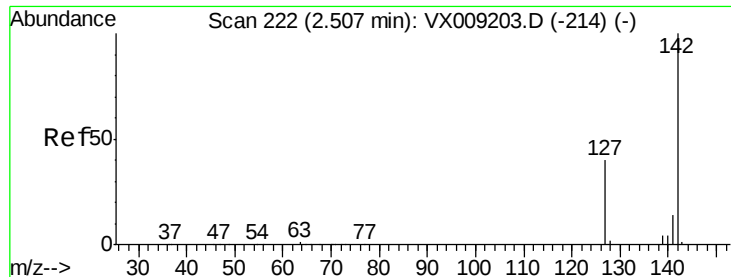
100

50

0

Time-->

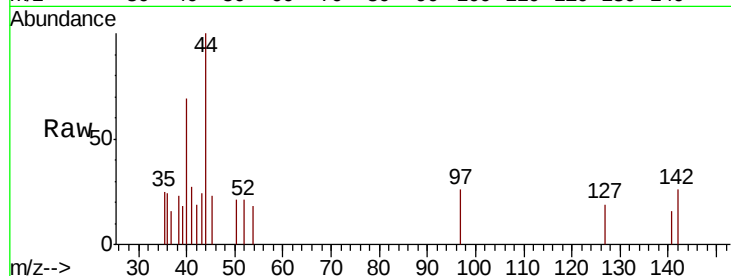




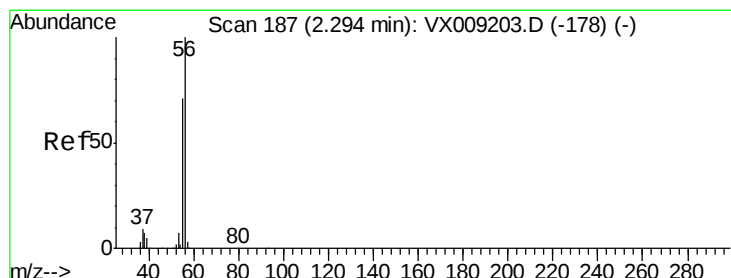
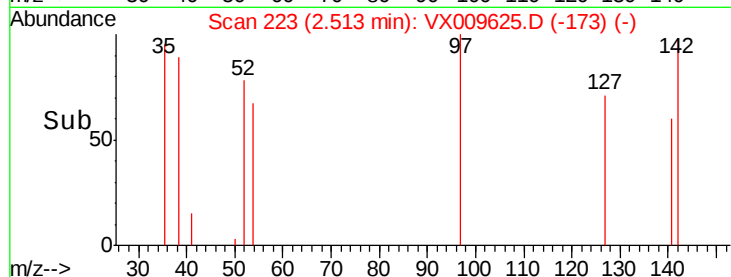
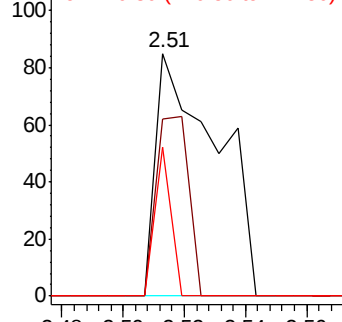
#10
Methvl Iodide
Concen: 4.651 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009625.D
Acq: 16 May 2019 22:59

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBL02

Tot Ion:142 Resp: 117
Ion Ratio Lower Upper
142 100
127 39.3 32.7 49.1
141 16.2 11.5 17.3

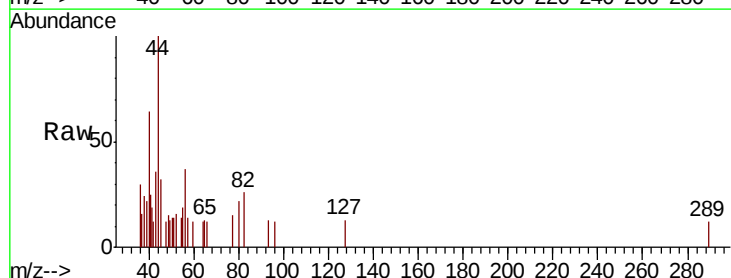


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

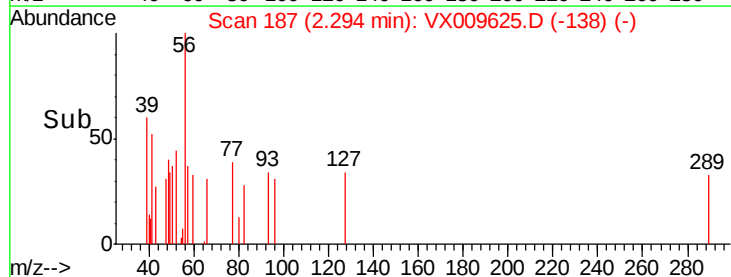
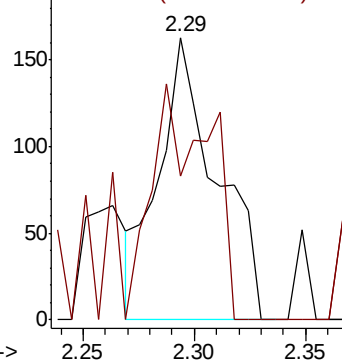


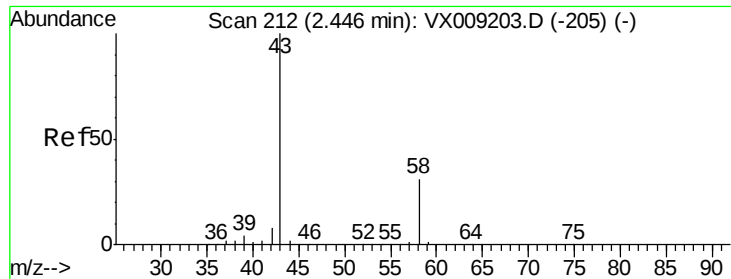
#13
Acrolein
Concen: 0.610 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009625.D
Acq: 16 May 2019 22:59

Tgt Ion: 56 Resp: 296
Ion Ratio Lower Upper
56 100
55 42.9 56.6 85.0#



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





#16

Acetone

Concen: 0.422 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009625.D

Acq: 16 May 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

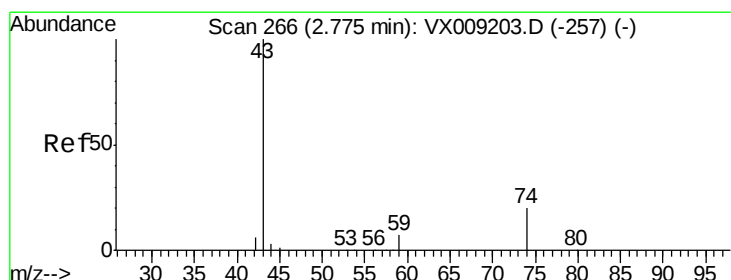
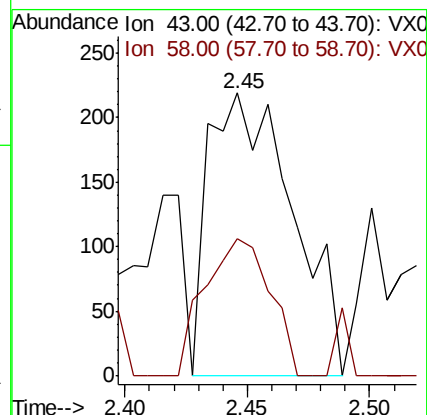
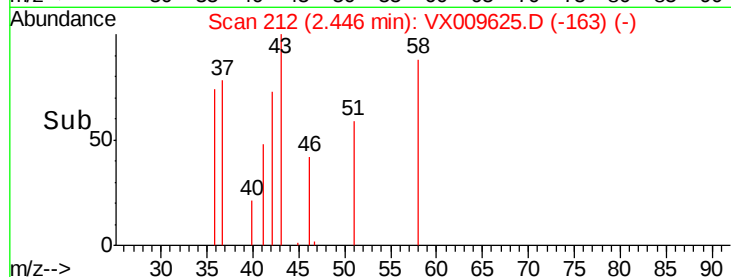
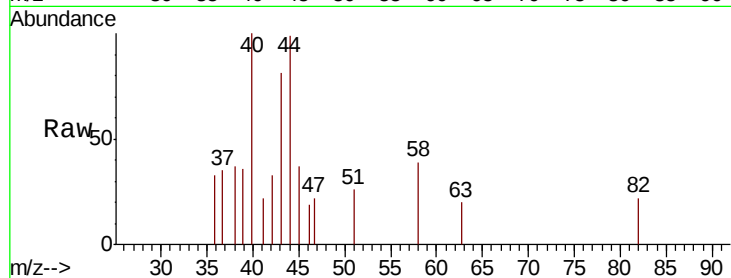
VX0516WBL02

Tot Ion: 43 Resp: 525

Ion Ratio Lower Upper

43 100

58 24.2 24.9 37.3#



#18

Methyl Acetate

Concen: 0.471 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX009625.D

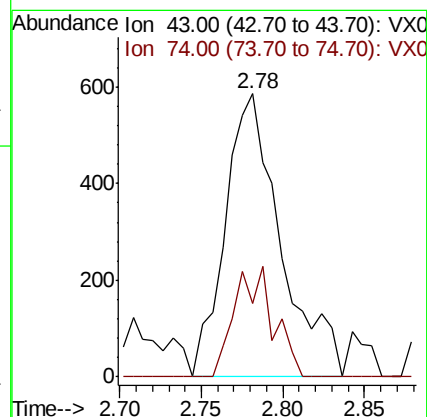
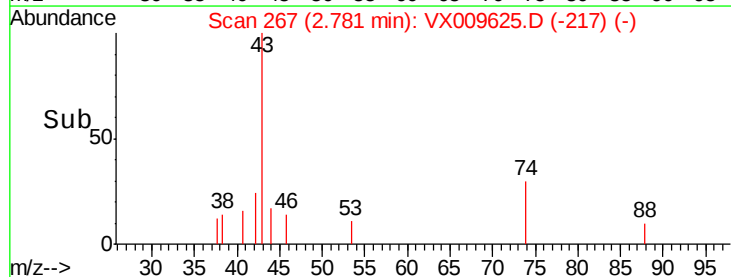
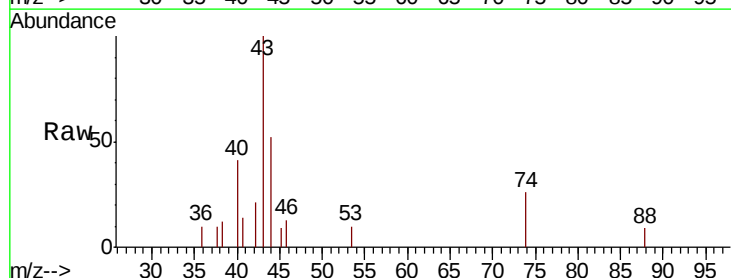
Acq: 16 May 2019 22:59

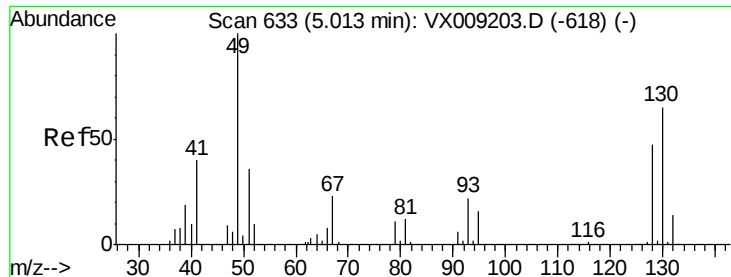
Tgt Ion: 43 Resp: 1391

Ion Ratio Lower Upper

43 100

74 27.0 16.2 24.4#





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 629

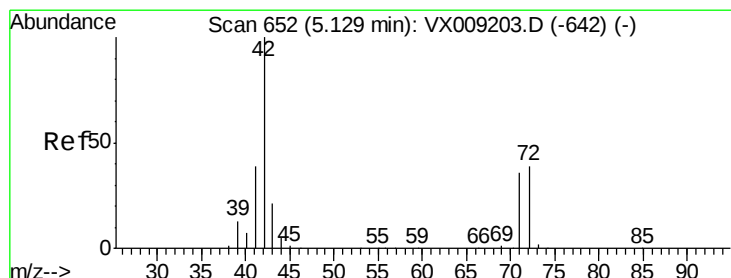
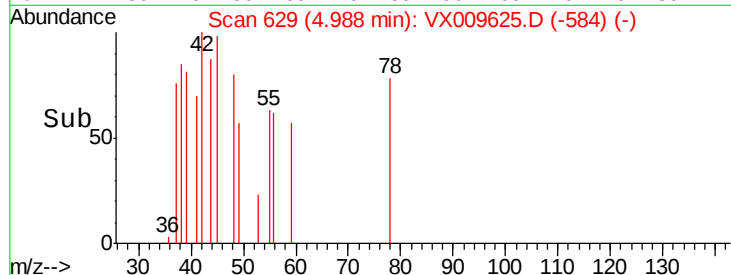
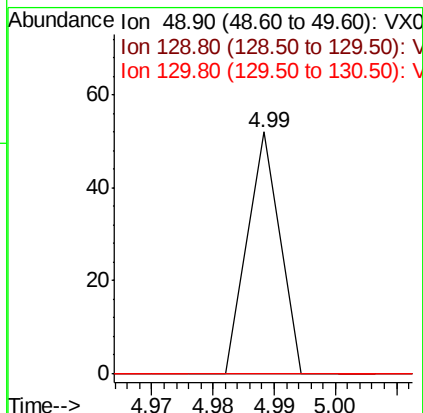
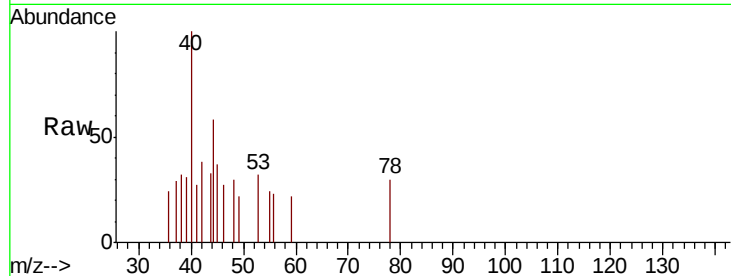
Delta R.T. -0.02 min

Lab File: VX009625.D

Acq: 16 May 2019 22:59

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBL02

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#



#29

Tetrahydrofuran

Concen: 0.423 ug/l

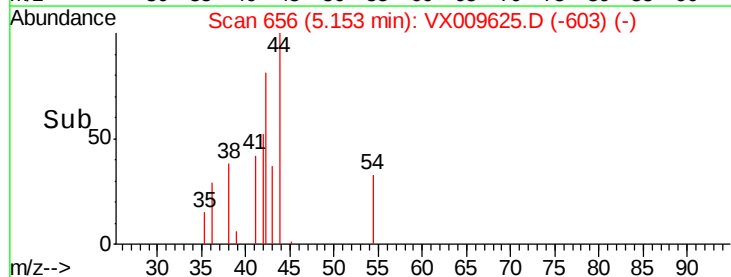
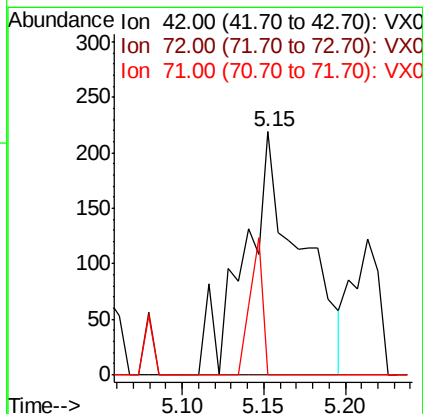
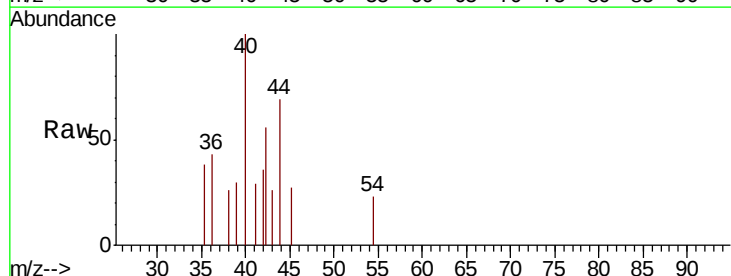
RT: 5.15 min Scan# 656

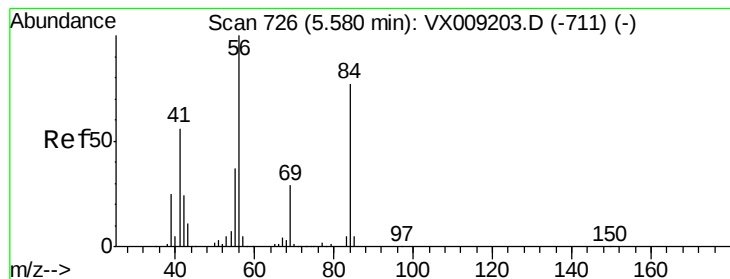
Delta R.T. 0.02 min

Lab File: VX009625.D

Acq: 16 May 2019 22:59

Tgt Ion:	42	Resp:	526
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.4	45.6#
71	12.9	28.6	43.0#





#31

Cyclohexane

Concen: 1.135 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009625.D

Acq: 16 May 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBL02

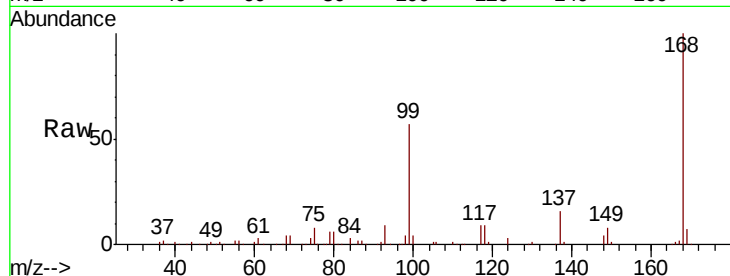
Tot Ion: 56 Resp: 3885

Ion Ratio Lower Upper

56 100

69 179.2 23.4 35.0#

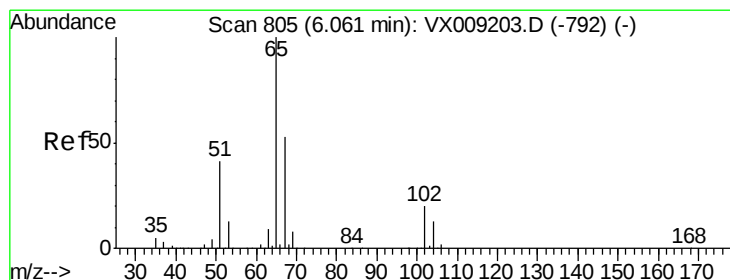
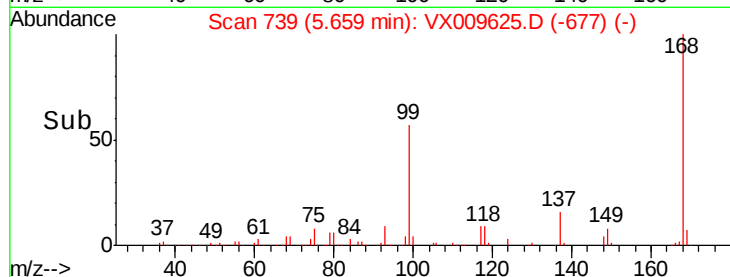
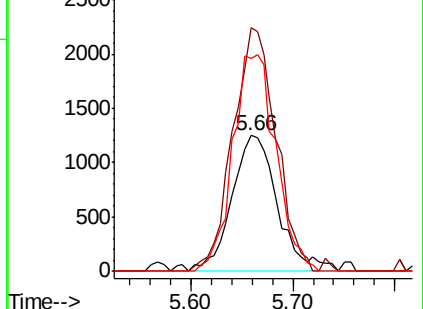
84 157.1 61.9 92.9#



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: 48.643 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009625.D

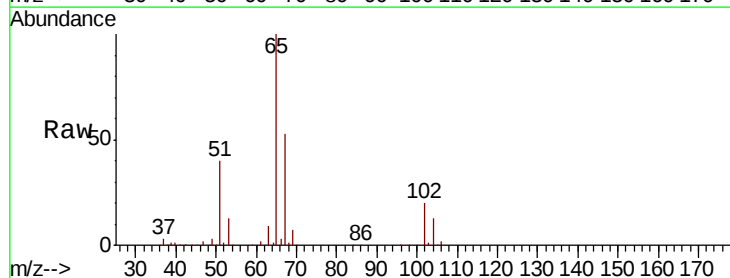
Acq: 16 May 2019 22:59

Tgt Ion: 65 Resp: 112597

Ion Ratio Lower Upper

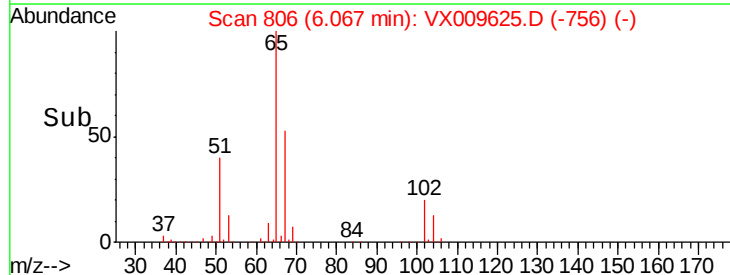
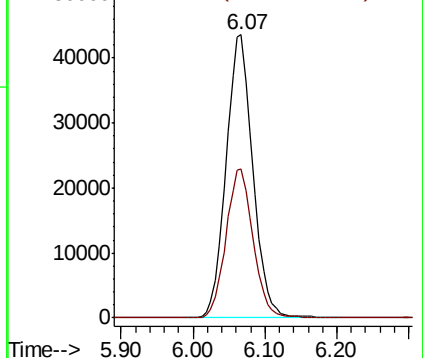
65 100

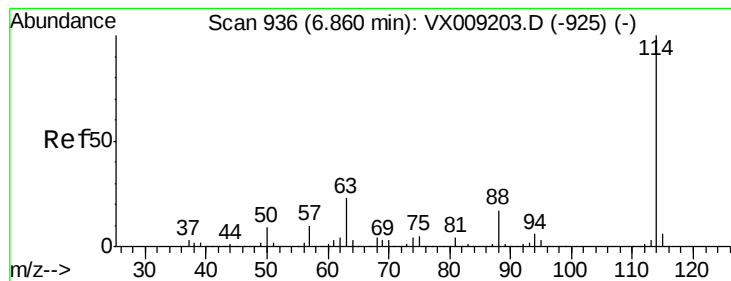
67 53.4 0.0 106.6



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: VX009625.D

Acq: 16 May 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBL02

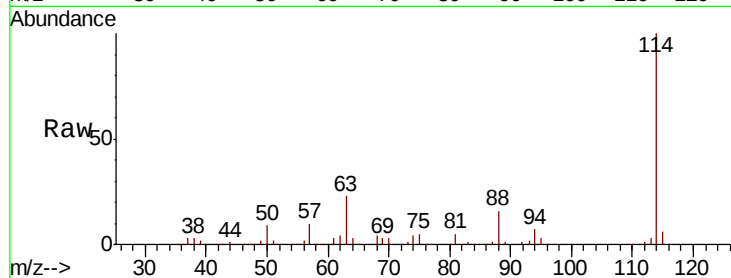
Tot Ion:114 Resp: 272172

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

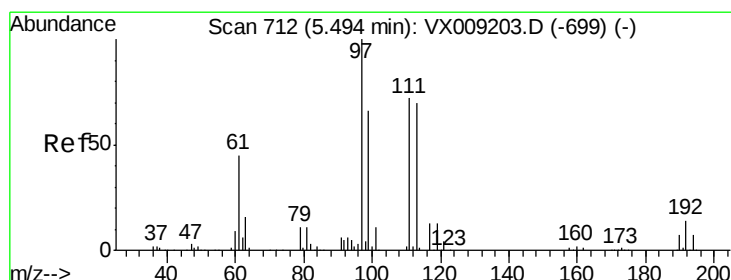
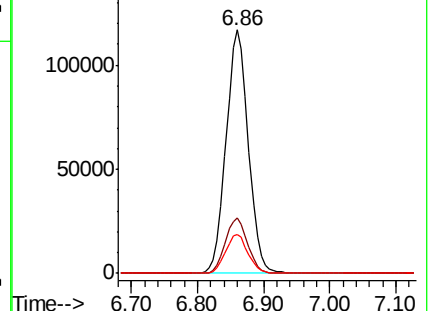
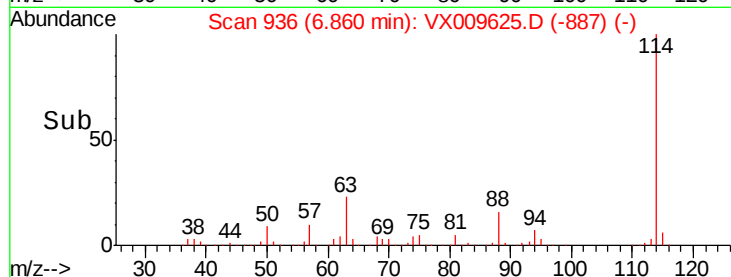
88 15.9 0.0 33.2



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: 48.562 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009625.D

Acq: 16 May 2019 22:59

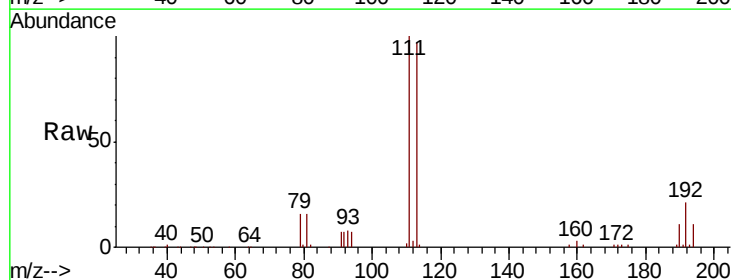
Tgt Ion:113 Resp: 83089

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

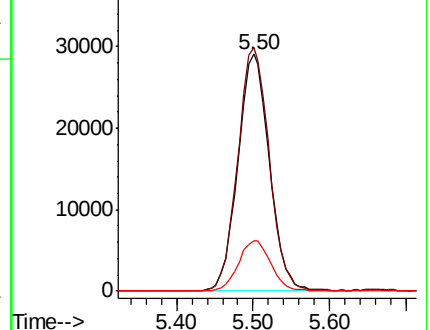
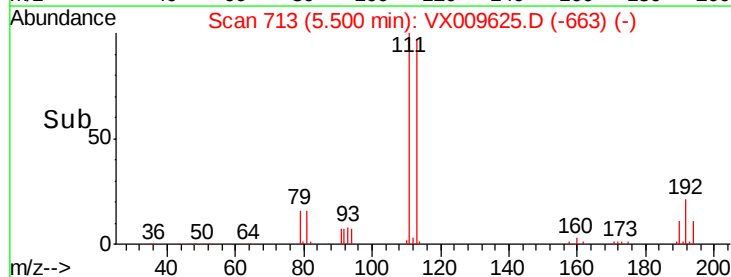
192 21.8 17.0 25.6

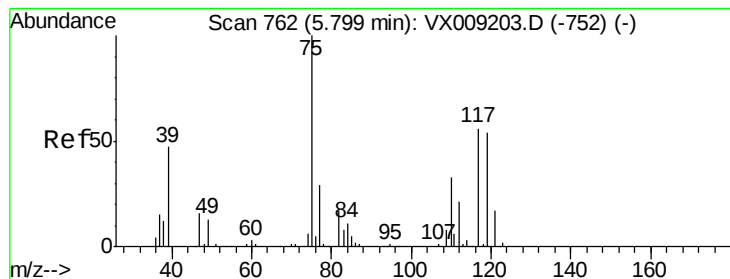


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.432 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009625.D

Acq: 16 May 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBL02

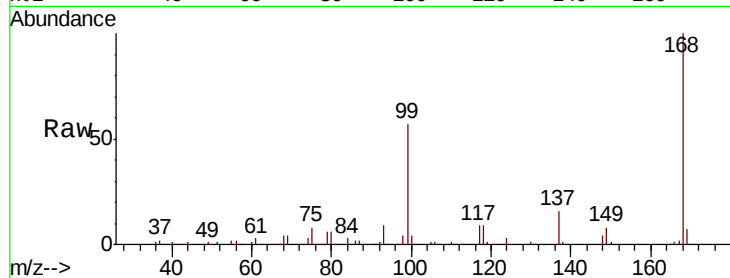
Tot Ion: 75 Resp: 13739

Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.6#

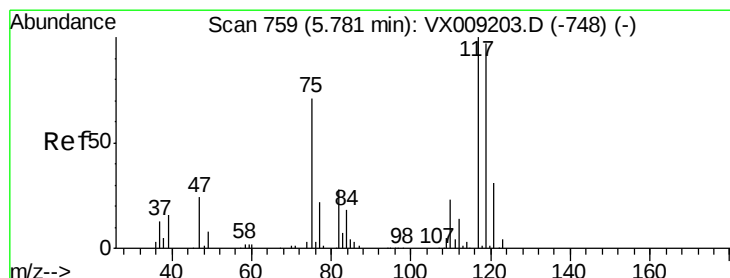
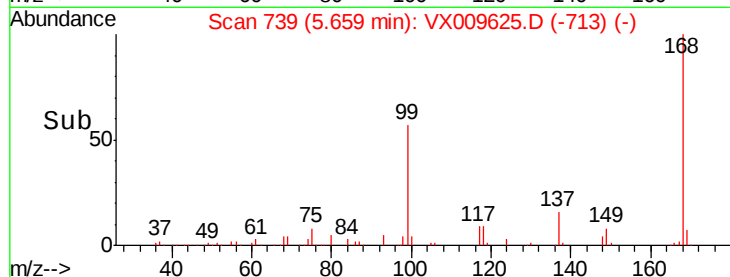
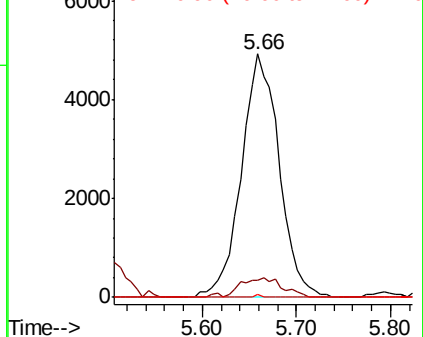
77 0.1 24.8 37.2#



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: 7.187 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009625.D

Acq: 16 May 2019 22:59

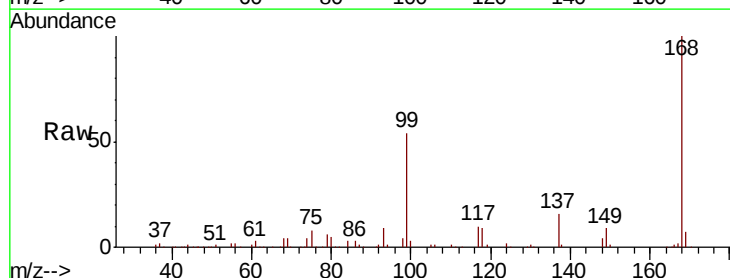
Tgt Ion:117 Resp: 16517

Ion Ratio Lower Upper

117 100

119 5.4 77.5 116.3#

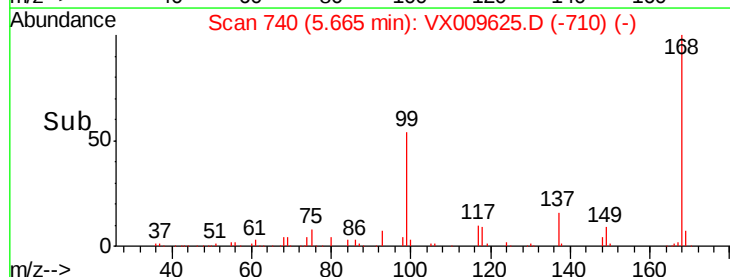
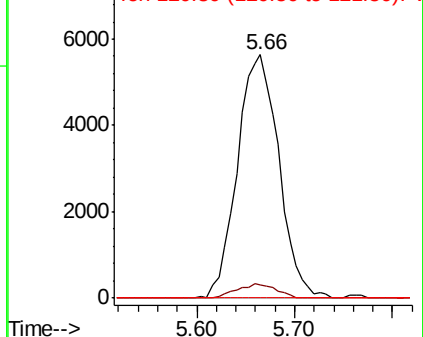
121 0.0 24.7 37.1#

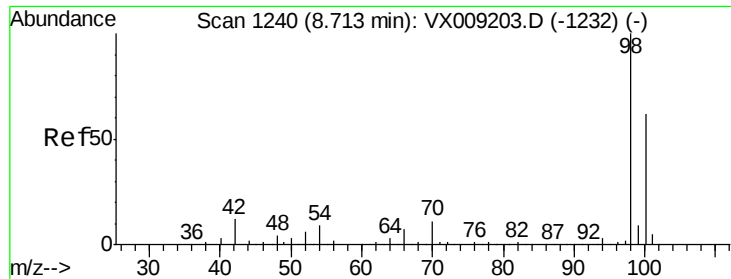


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.003 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009625.D

Acq: 16 May 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

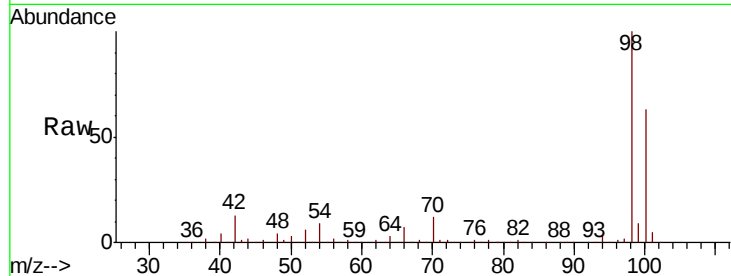
VX0516WBL02

Tot Ion: 98 Resp: 338498

Ion Ratio Lower Upper

98 100

100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

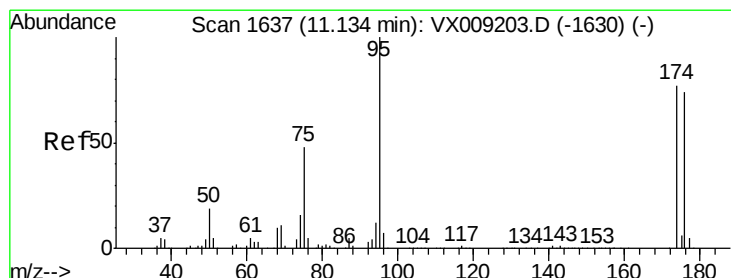
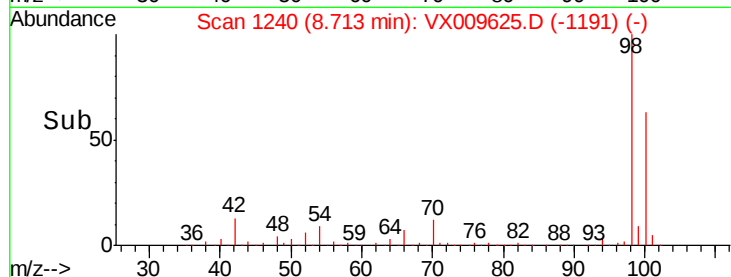
150000

100000

50000

0

Time--> 8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 42.867 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009625.D

Acq: 16 May 2019 22:59

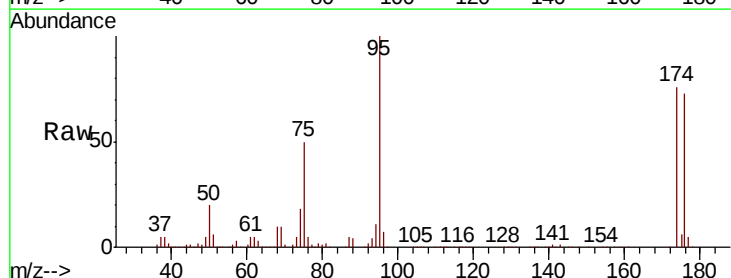
Tgt Ion: 95 Resp: 107596

Ion Ratio Lower Upper

95 100

174 81.2 0.0 161.6

176 78.6 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

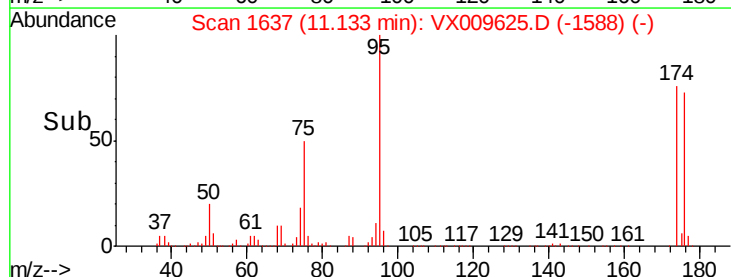
60000

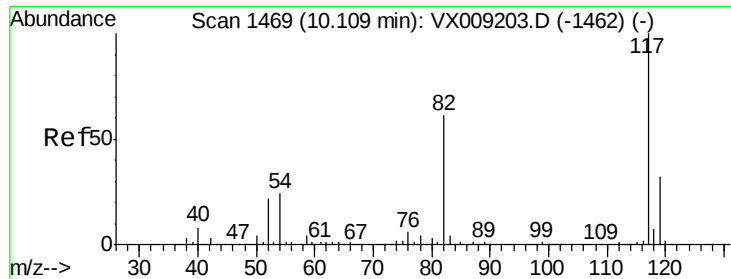
40000

20000

0

Time--> 11.10 11.20

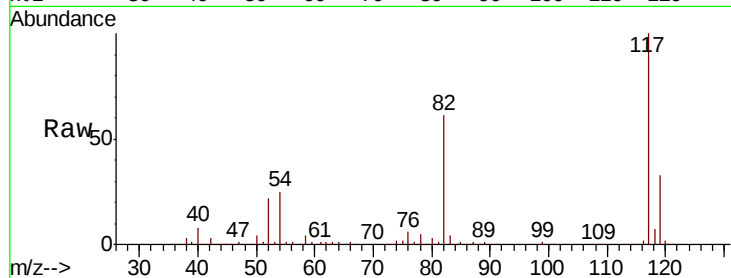




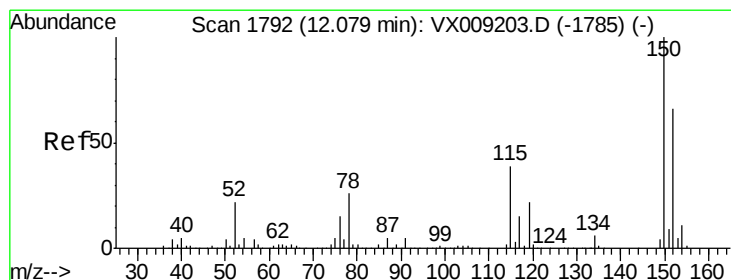
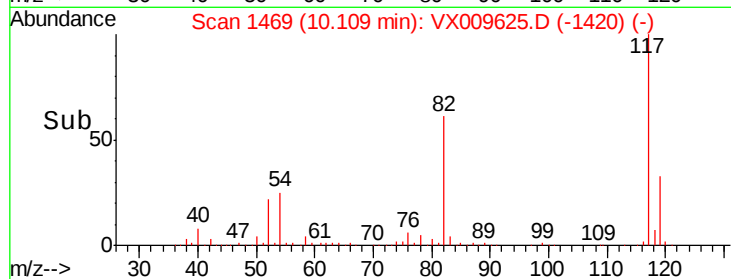
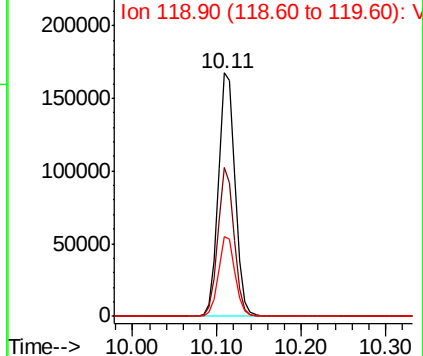
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009625.D
Acq: 16 May 2019 22:59

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBL02

Tot Ion:117 Resp: 231247
Ion Ratio Lower Upper
117 100
82 61.2 48.8 73.2
119 32.5 25.8 38.6

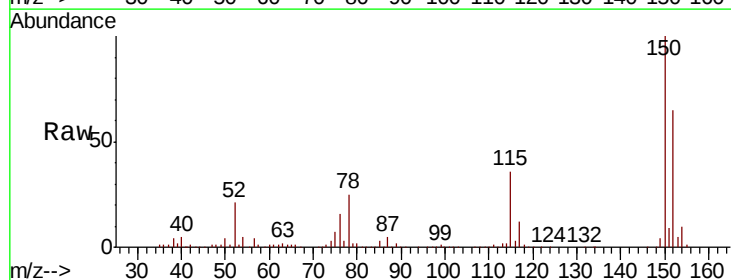


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

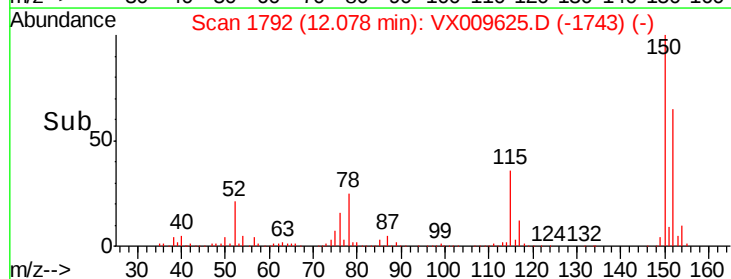
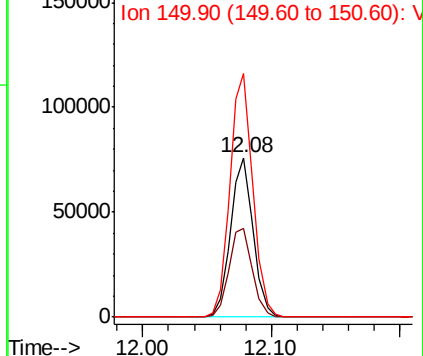


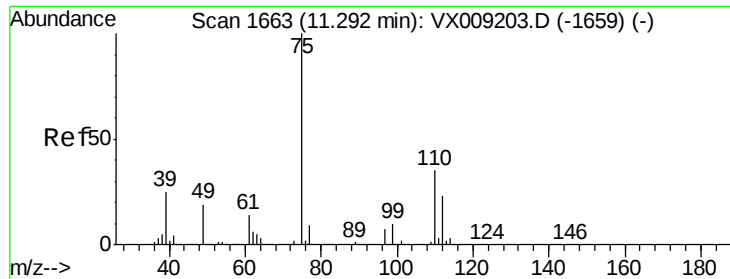
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009625.D
Acq: 16 May 2019 22:59

Tgt Ion:152 Resp: 93479
Ion Ratio Lower Upper
152 100
115 57.8 41.2 123.6
150 154.8 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: 25.088 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009625.D

Acq: 16 May 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

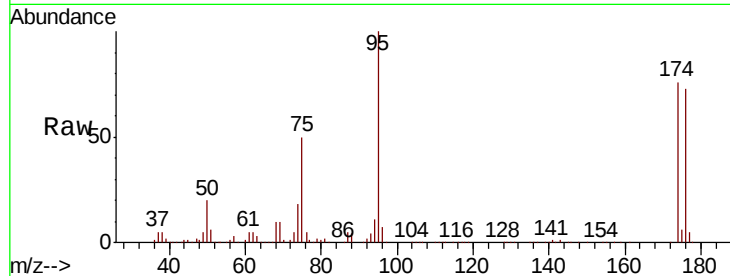
VX0516WBL02

Tot Ion: 75 Resp: 54401

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

11.13

40000

30000

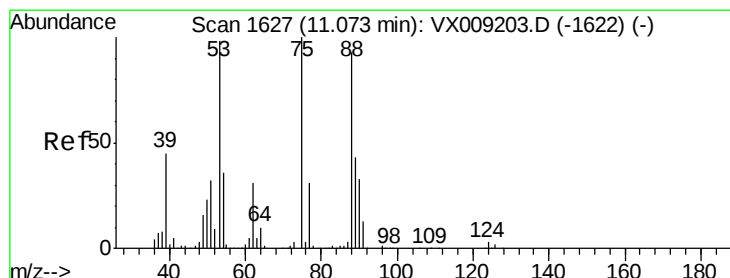
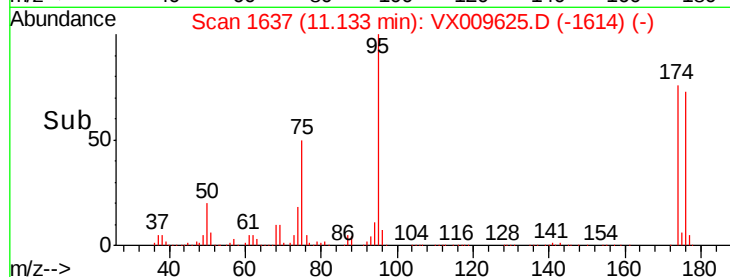
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 64.192 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009625.D

Acq: 16 May 2019 22:59

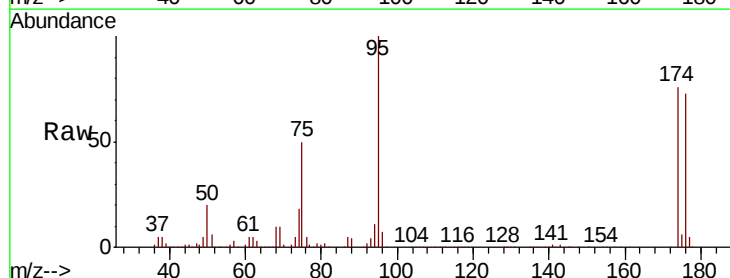
Tgt Ion: 75 Resp: 54401

Ion Ratio Lower Upper

75 100

53 0.2 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

60000

50000

40000

30000

20000

10000

0

Time-->

11.10 11.20

