

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051119\
 Data File : VX009526.D
 Acq On : 11 May 2019 15:30
 Operator : JC/SP
 Sample : K2799-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-6

Quant Time: May 12 02:00:04 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	183123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	290982	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100913	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	119770	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
35) Dibromofluoromethane	5.50	113	88497	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	8.71	98	360531	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.13	95	115301	42.97	ug/l	0.00
Spiked Amount			Recovery	=	85.94%	

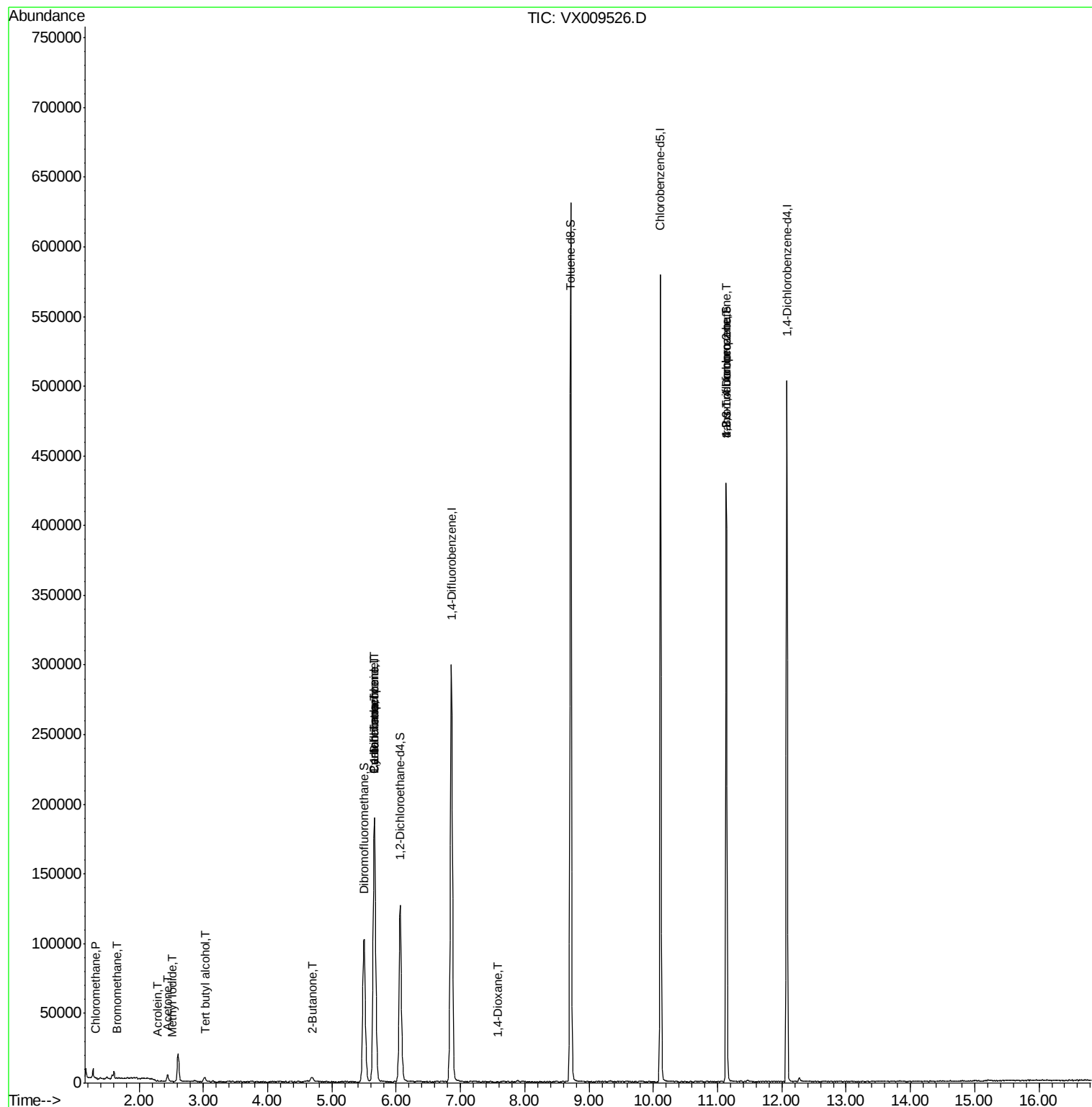
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	492	0.214	ug/l	97
5) Bromomethane	1.65	94	286	0.212	ug/l #	64
10) Methyl Iodide	2.53	142	105	4.642	ug/l #	42
11) Tert butyl alcohol	3.02	59	2265	3.914	ug/l #	75
13) Acrolein	2.29	56	272	0.519	ug/l #	37
16) Acetone	2.44	43	5503	4.100	ug/l	92
25) 2-Butanone	4.70	43	721	0.346	ug/l #	53
28) Bromochloromethane	4.99	49	19	Below Cal	#	20
31) Cyclohexane	5.66	56	4199	1.136	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14422	5.333	ug/l #	51
38) Carbon Tetrachloride	5.67	117	17220	7.009	ug/l #	15
49) 1,4-Dioxane	7.58	88	40	0.660	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	58782	25.112	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	58782	64.252	ug/l #	10

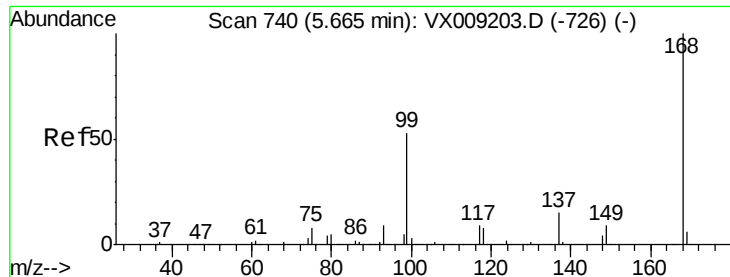
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
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QLast Update : Thu May 09 07:31:15 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009526.D

Acq: 11 May 2019 15:30

Instrument :

MSVOA_X

ClientSampled :

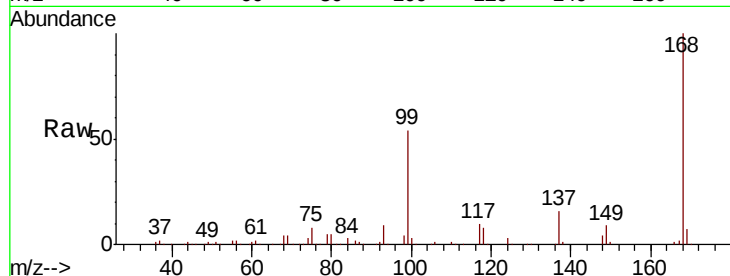
RW-6

Tot Ion:168 Resp: 183123

Ion Ratio Lower Upper

168 100

99 54.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

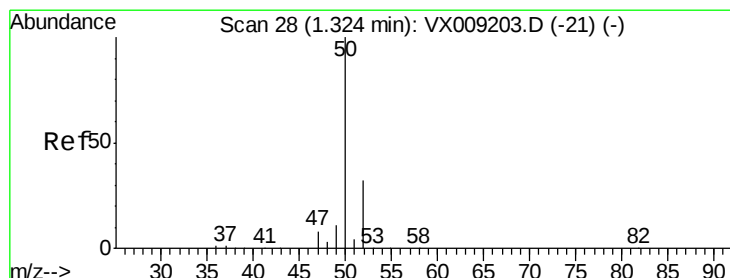
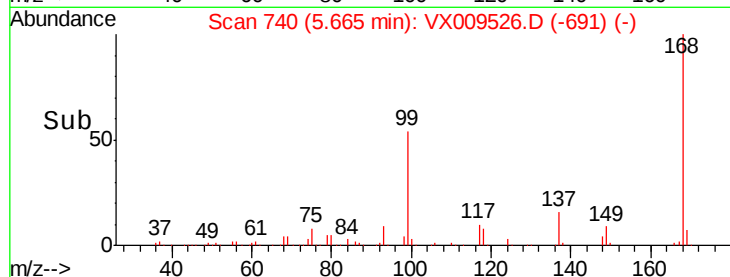
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.214 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009526.D

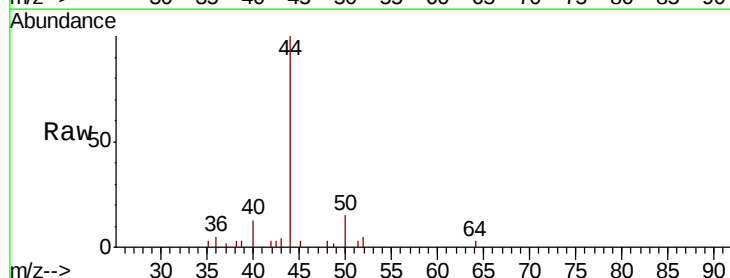
Acq: 11 May 2019 15:30

Tgt Ion: 50 Resp: 492

Ion Ratio Lower Upper

50 100

52 34.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

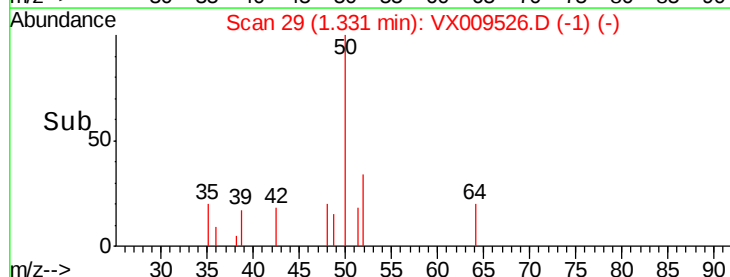
300

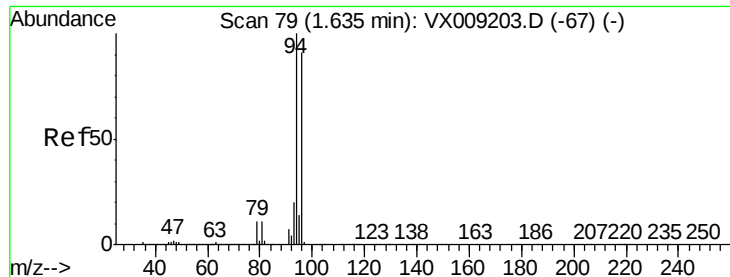
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.212 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX009526.D

Acq: 11 May 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

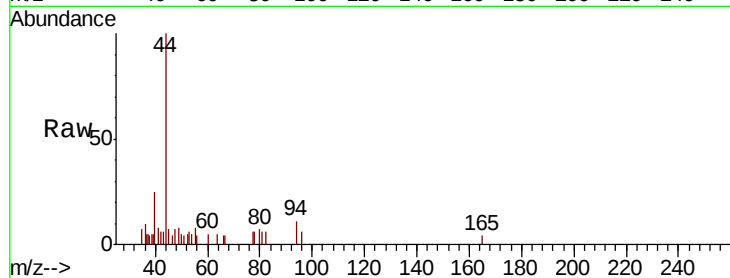
RW-6

Tot Ion: 94 Resp: 286

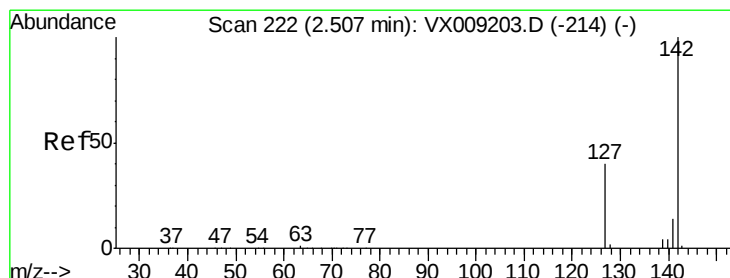
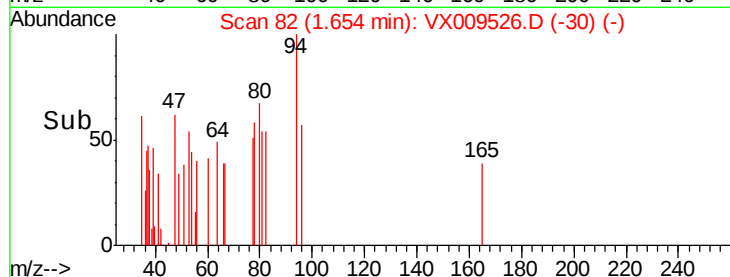
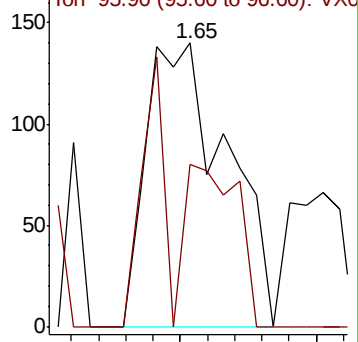
Ion Ratio Lower Upper

94 100

96 57.1 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#10

Methyl Iodide

Concen: 4.642 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX009526.D

Acq: 11 May 2019 15:30

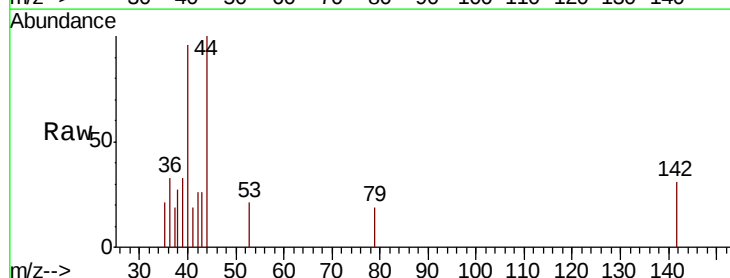
Tgt Ion: 142 Resp: 105

Ion Ratio Lower Upper

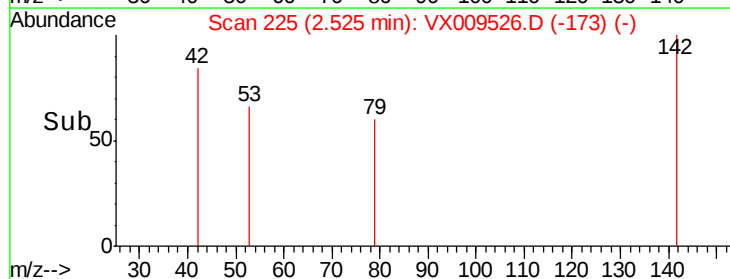
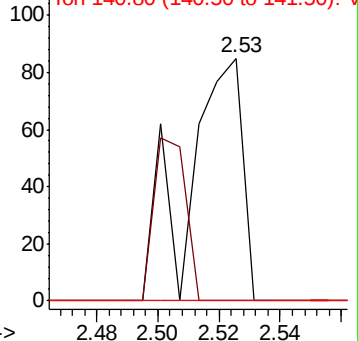
142 100

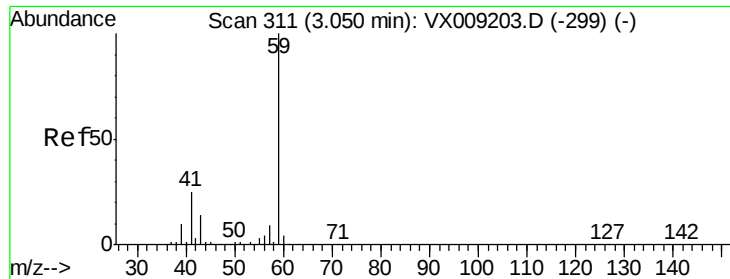
127 0.0 32.7 49.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

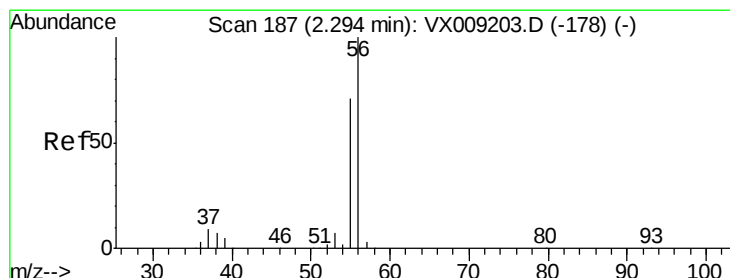
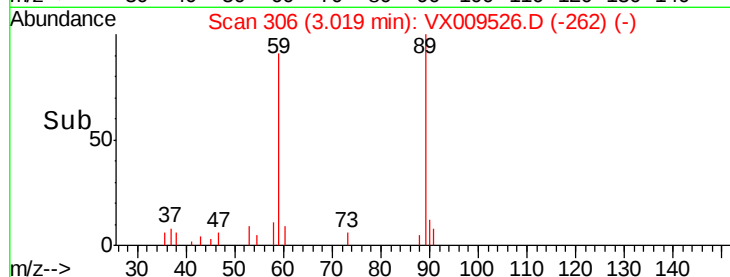
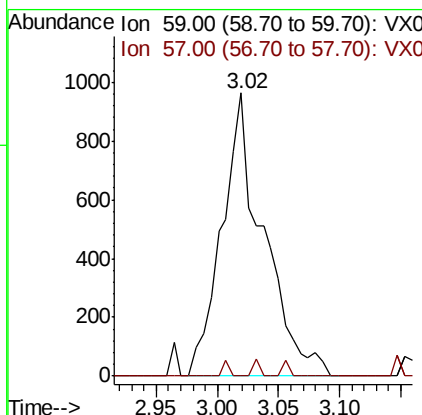
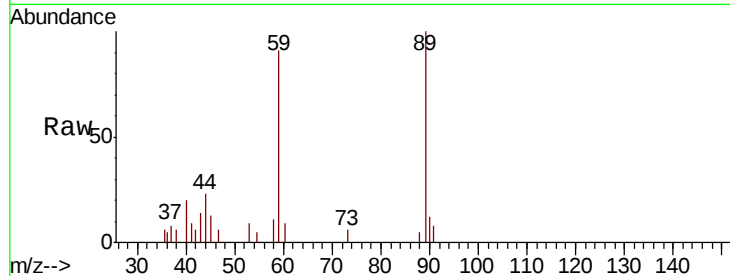




#11
Tert butyl alcohol
Concen: 3.914 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009526.D
Acq: 11 May 2019 15:30

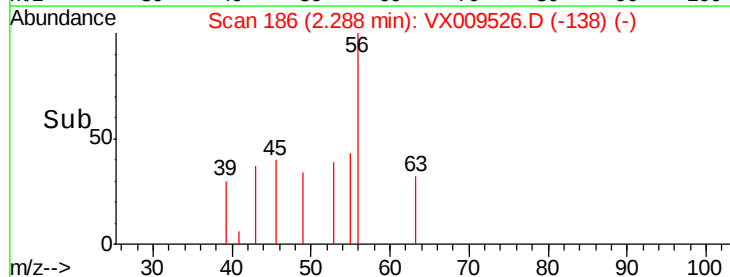
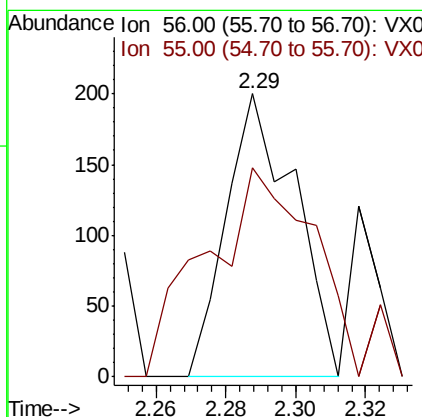
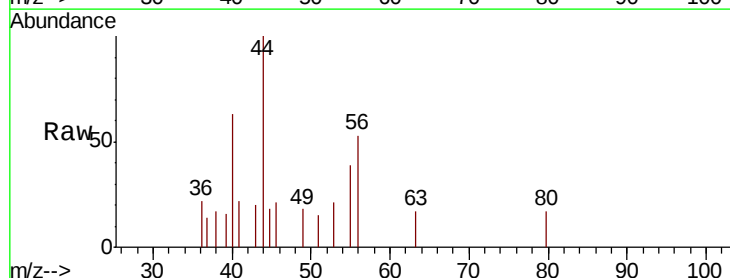
Instrument :
MSVOA_X
ClientSampled :
RW-6

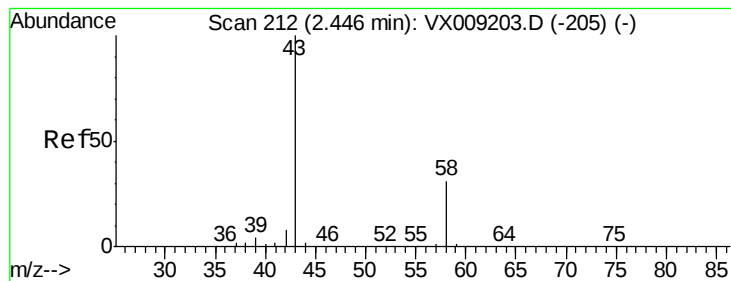
Tot Ion: 59 Resp: 2265
Ion Ratio Lower Upper
59 100
57 1.0 8.2 12.2#



#13
Acrolein
Concen: 0.519 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX009526.D
Acq: 11 May 2019 15:30

Tgt Ion: 56 Resp: 272
Ion Ratio Lower Upper
56 100
55 122.8 56.6 85.0#





#16

Acetone

Concen: 4.100 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009526.D

Acq: 11 May 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

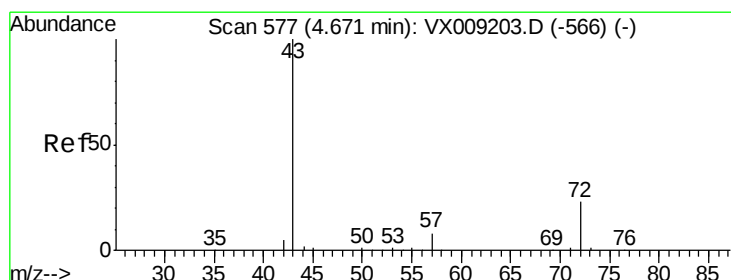
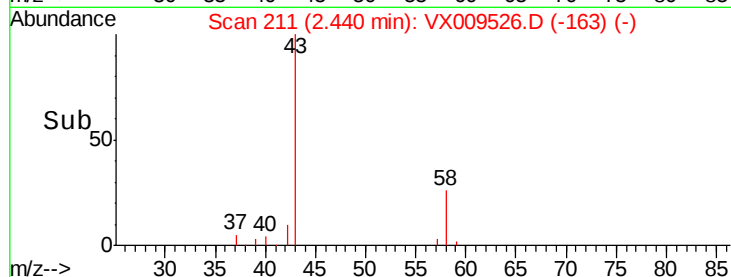
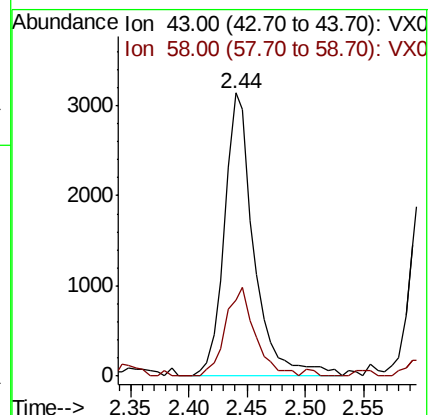
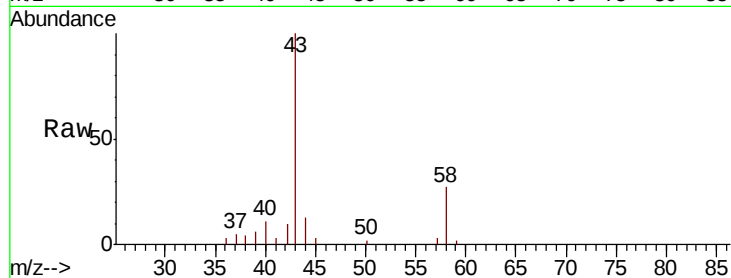
RW-6

Tot Ion: 43 Resp: 5503

Ion Ratio Lower Upper

43 100

58 26.9 24.9 37.3



#25

2-Butanone

Concen: 0.346 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009526.D

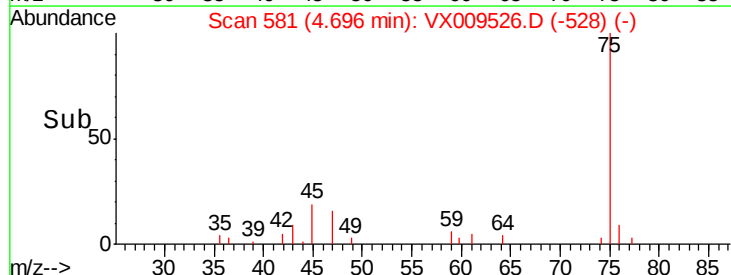
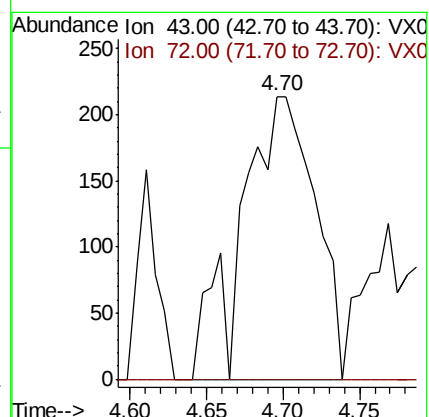
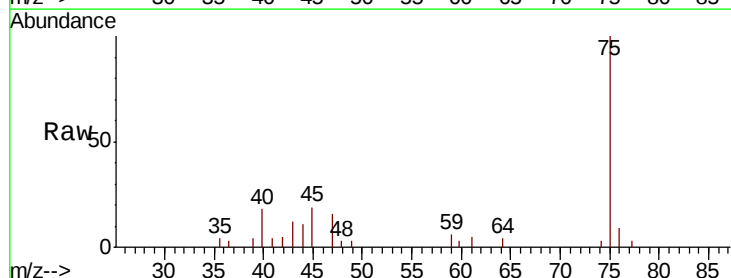
Acq: 11 May 2019 15:30

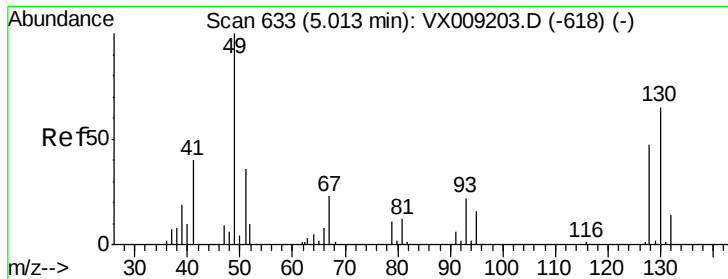
Tgt Ion: 43 Resp: 721

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

Lab File: VX009526.D

Acq: 11 May 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

RW-6

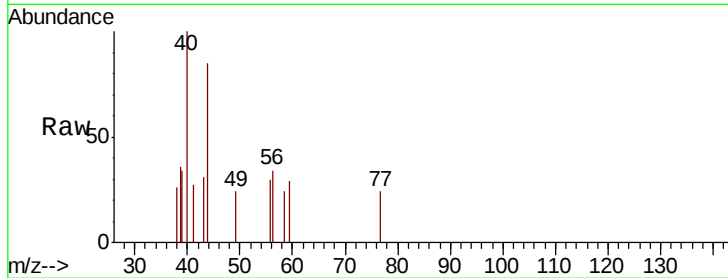
Tot Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

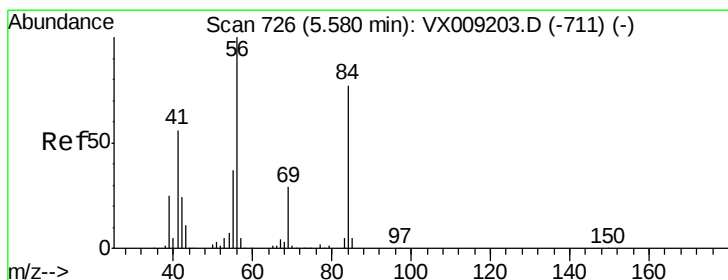
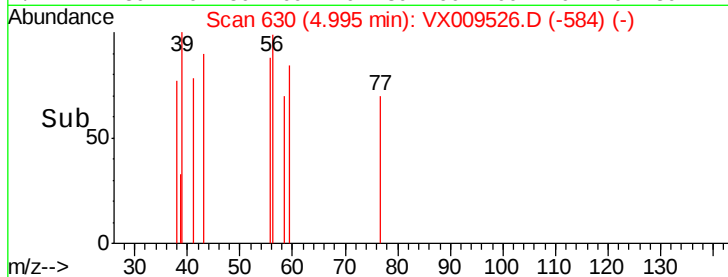
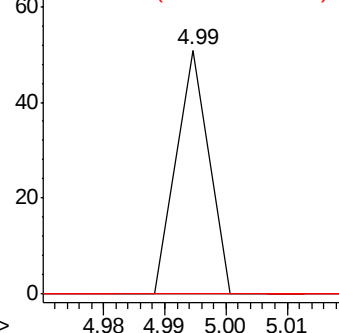
130 0.0 51.2 76.8#



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: 1.136 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009526.D

Acq: 11 May 2019 15:30

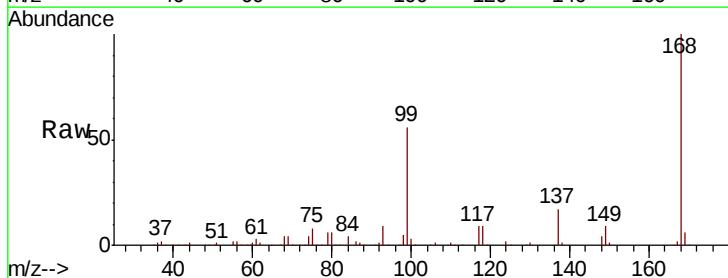
Tgt Ion: 56 Resp: 4199

Ion Ratio Lower Upper

56 100

69 174.8 23.4 35.0#

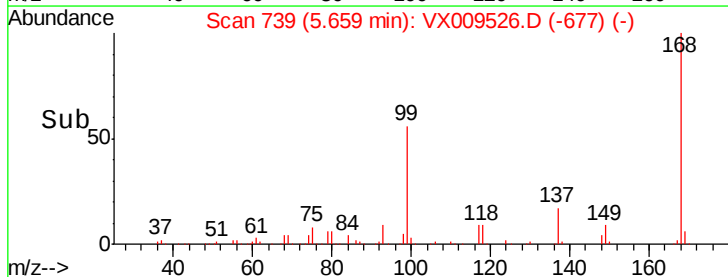
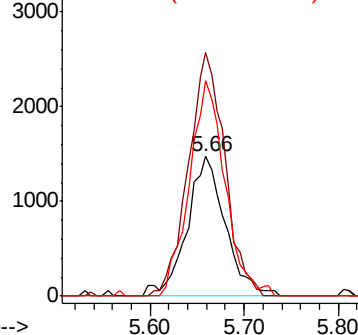
84 154.9 61.9 92.9#



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: 47.911 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009526.D

Acq: 11 May 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

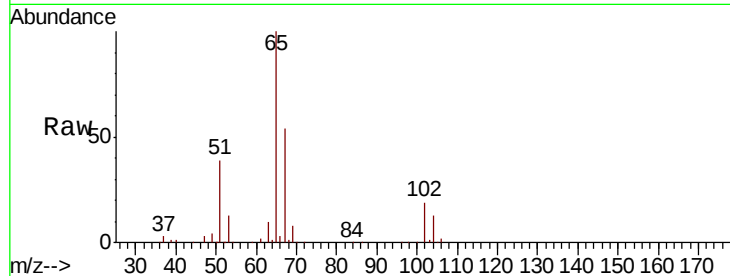
RW-6

Tot Ion: 65 Resp: 119770

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX009526.D (-756) (-)

Ion 66.90 (66.60 to 67.60): VX009526.D (-756) (-)

6.06

50000

40000

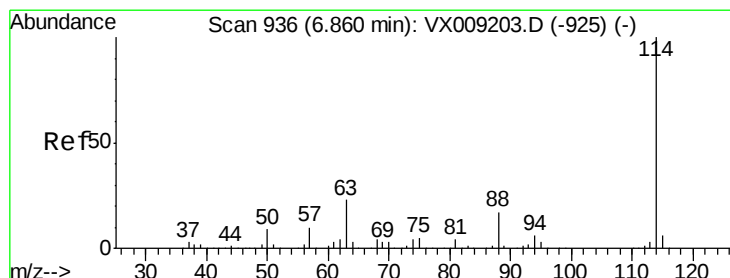
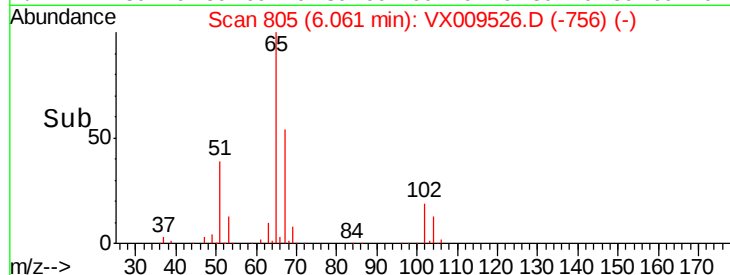
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009526.D

Acq: 11 May 2019 15:30

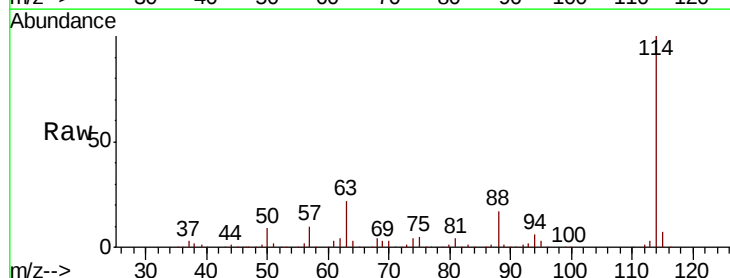
Tgt Ion: 114 Resp: 290982

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.6

88 16.8 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): VX009526.D (-887) (-)

Ion 63.00 (62.70 to 63.70): VX009526.D (-887) (-)

Ion 87.90 (87.60 to 88.60): VX009526.D (-887) (-)

6.86

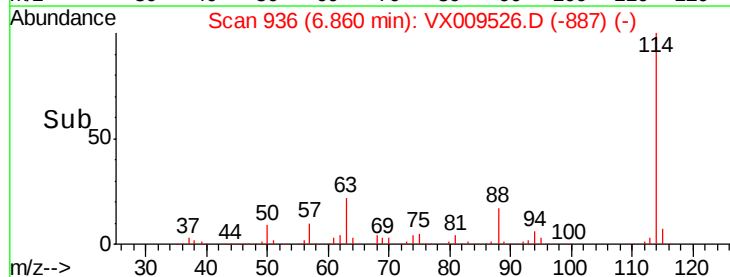
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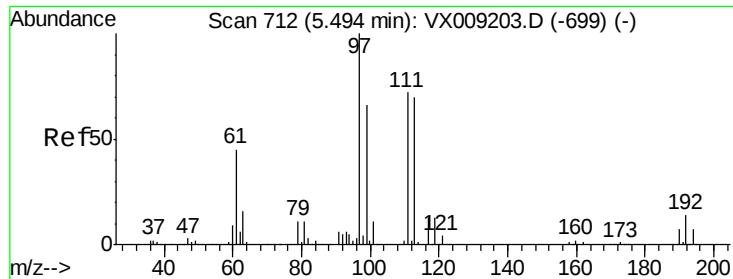
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50000

0

Time-->

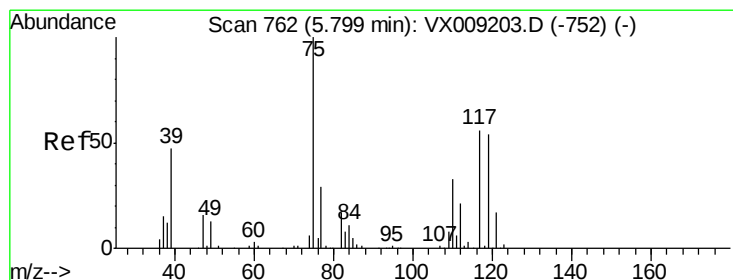
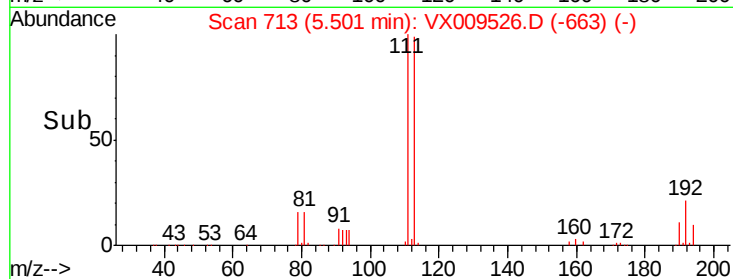
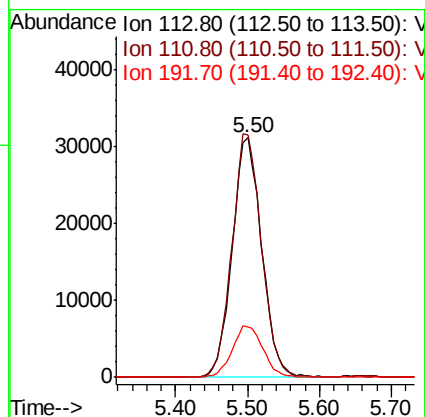
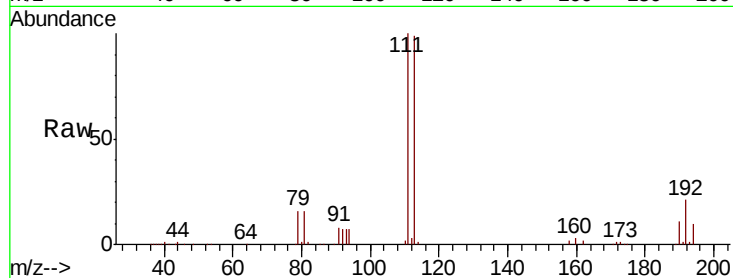




#35
Dibromofluoromethane
Concen: 48.379 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009526.D
Acq: 11 May 2019 15:30

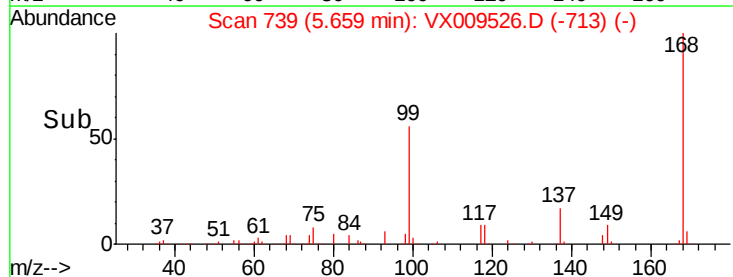
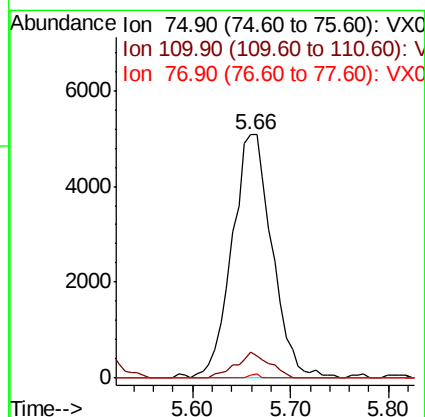
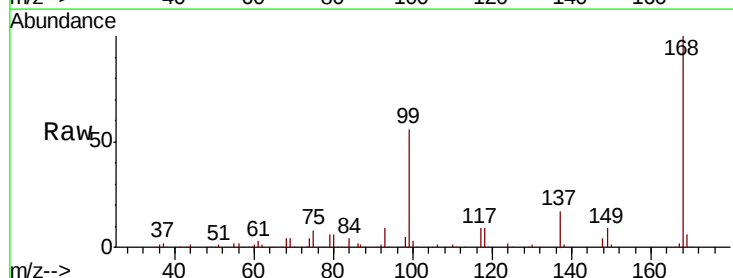
Instrument :
MSVOA_X
ClientSampleId :
RW-6

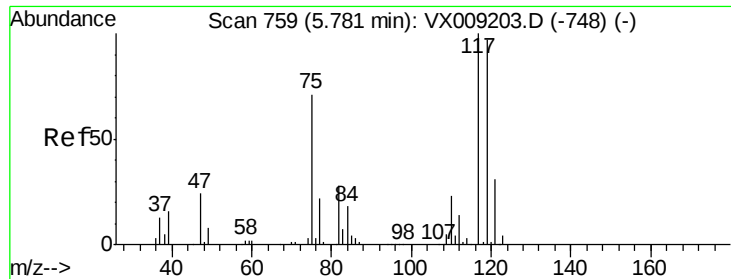
Tot Ion:113 Resp: 88497
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 22.3 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.333 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX009526.D
Acq: 11 May 2019 15:30

Tgt Ion: 75 Resp: 14422
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.6#
77 0.4 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.009 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009526.D

Acq: 11 May 2019 15:30

Instrument :

MSVOA_X

ClientSampled :

RW-6

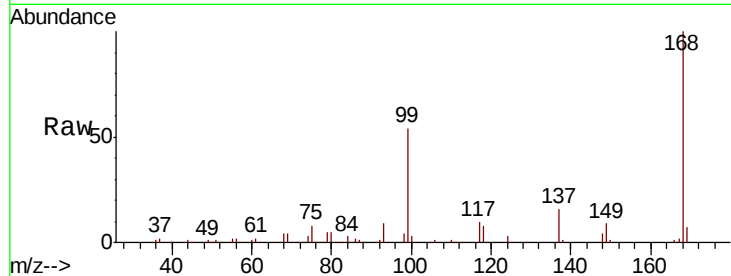
Tot Ion:117 Resp: 17220

Ion Ratio Lower Upper

117 100

119 4.0 77.5 116.3#

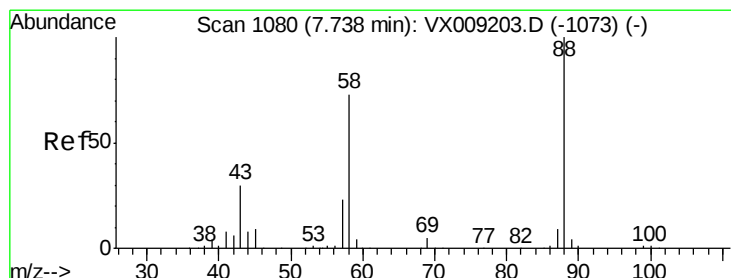
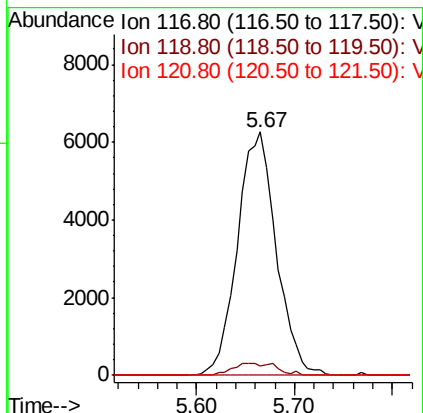
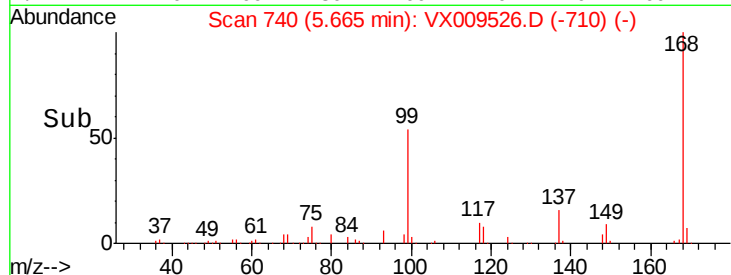
121 0.0 24.7 37.1#



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: 0.660 ug/l

RT: 7.58 min Scan# 1054

Delta R.T. -0.16 min

Lab File: VX009526.D

Acq: 11 May 2019 15:30

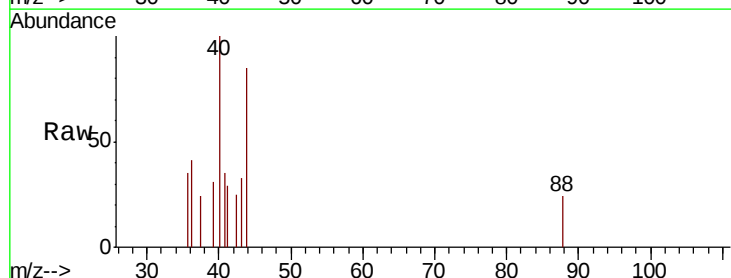
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 497.5 28.6 42.8#

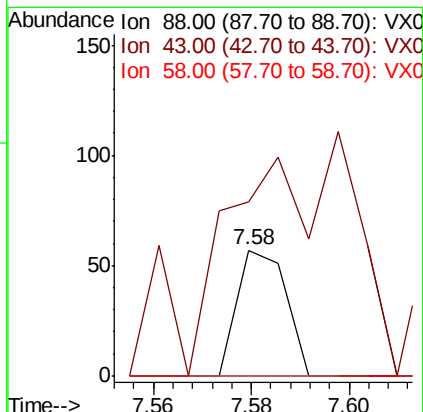
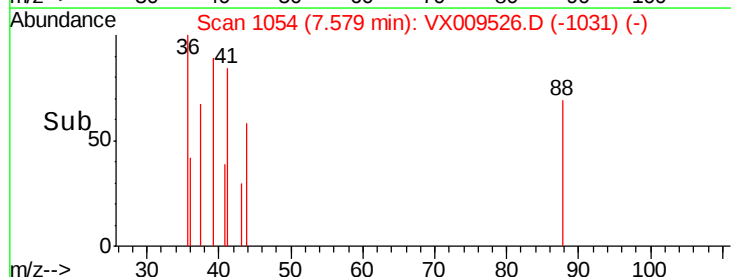
58 0.0 61.7 92.5#

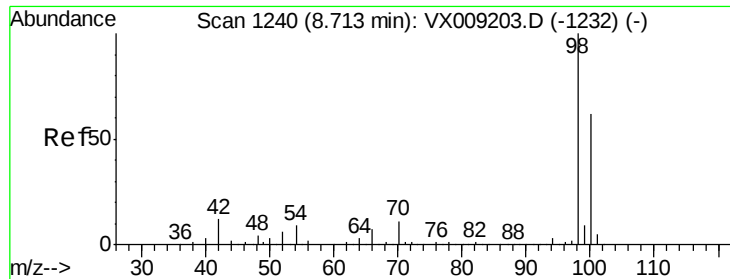


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.819 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009526.D

Acq: 11 May 2019 15:30

Instrument :

MSVOA_X

ClientSampled :

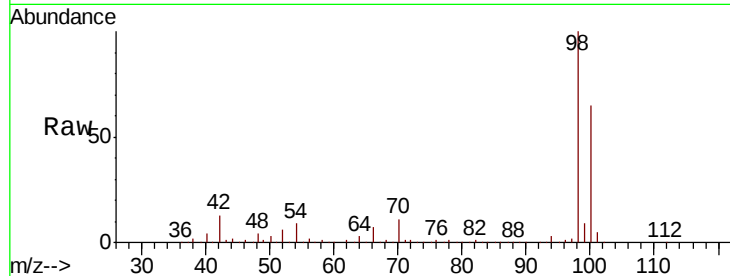
RW-6

Tot Ion: 98 Resp: 360531

Ion Ratio Lower Upper

98 100

100 64.7 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

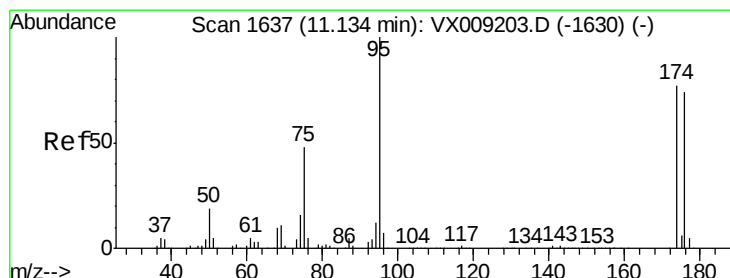
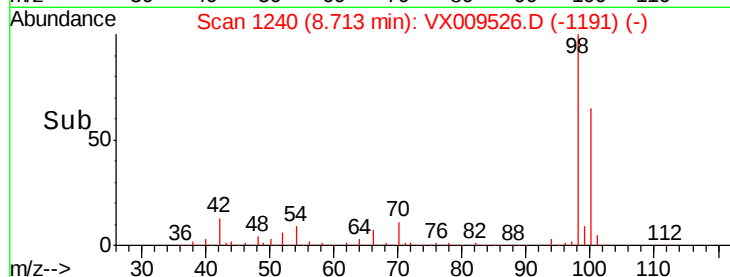
0

8.60

8.70

8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 42.967 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009526.D

Acq: 11 May 2019 15:30

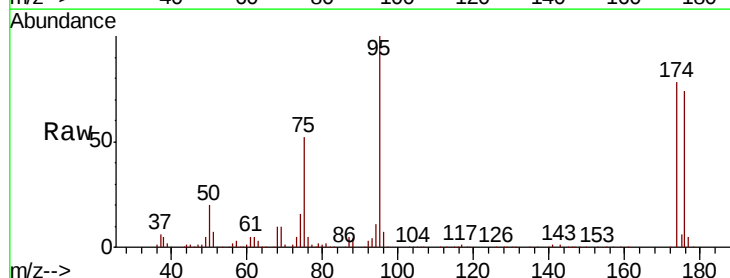
Tgt Ion: 95 Resp: 115301

Ion Ratio Lower Upper

95 100

174 82.9 0.0 161.6

176 78.7 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

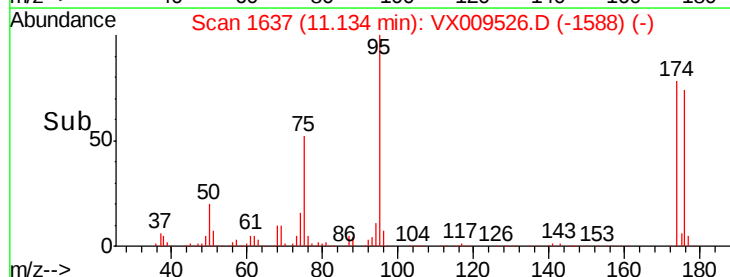
20000

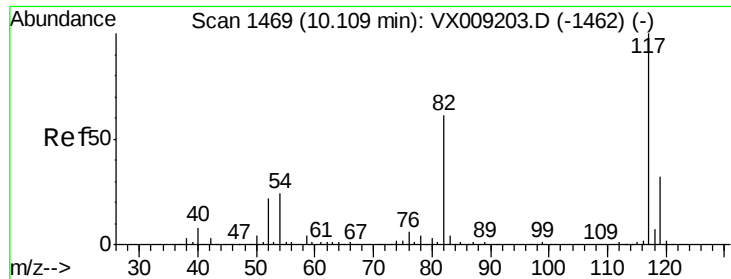
0

11.10

11.20

Time-->

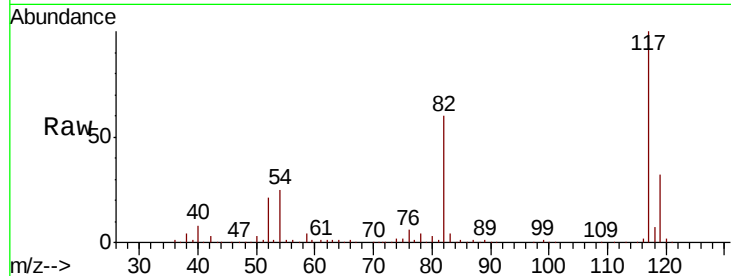




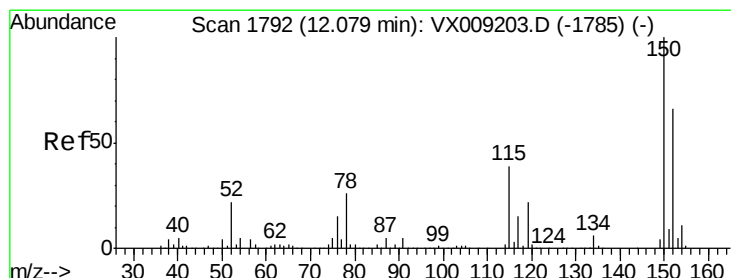
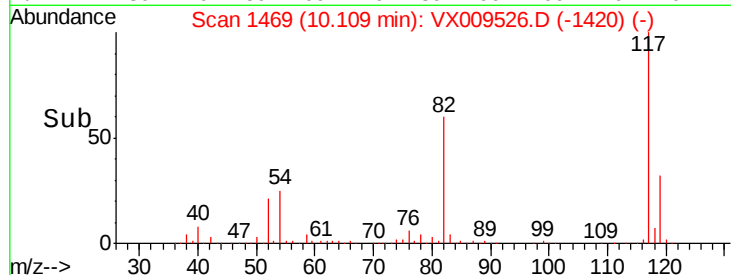
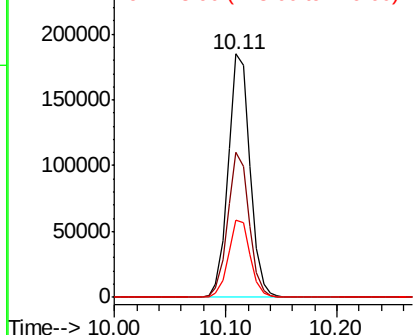
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009526.D
Acq: 11 May 2019 15:30

Instrument :
MSVOA_X
ClientSampled :
RW-6

Tot Ion:117 Resp: 249394
Ion Ratio Lower Upper
117 100
82 59.7 48.8 73.2
119 31.5 25.8 38.6

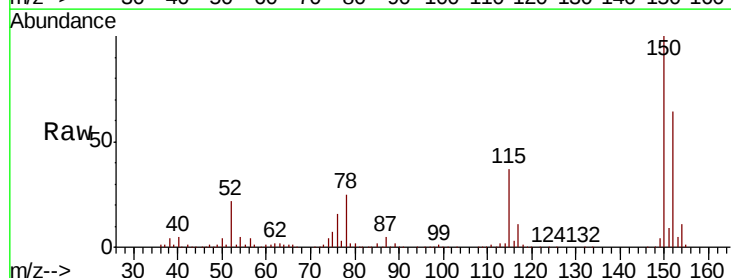


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

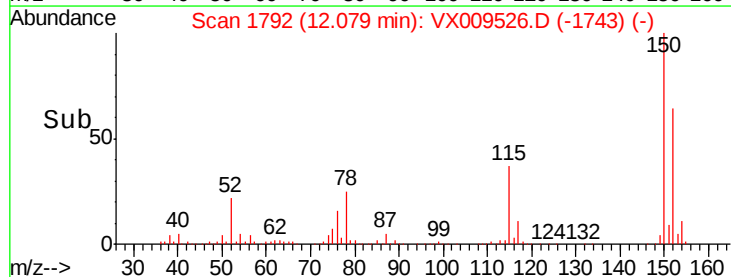
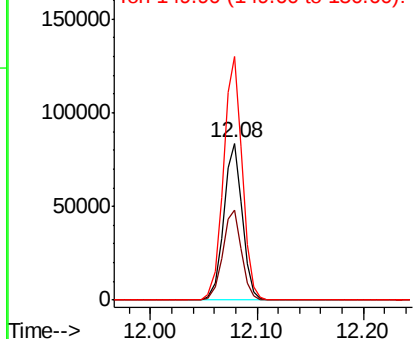


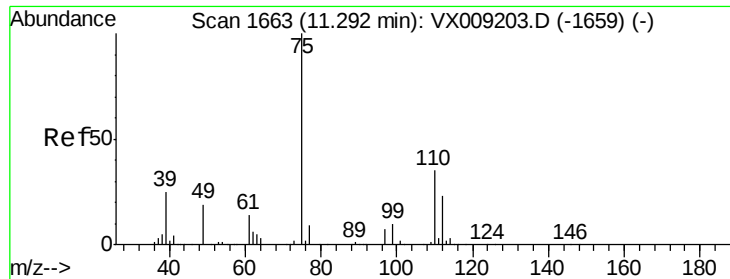
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009526.D
Acq: 11 May 2019 15:30

Tgt Ion:152 Resp: 100913
Ion Ratio Lower Upper
152 100
115 58.7 41.2 123.6
150 157.8 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: 25.112 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009526.D

Acq: 11 May 2019 15:30

Instrument :

MSVOA_X

ClientSampled :

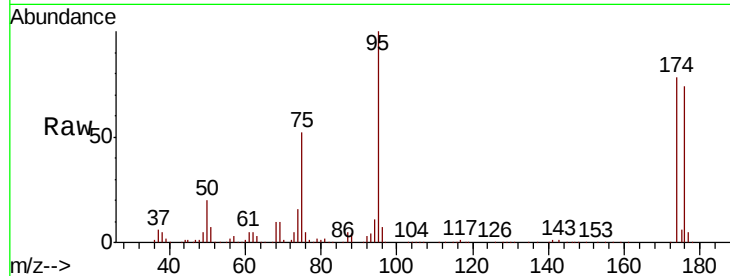
RW-6

Tot Ion: 75 Resp: 58782

Ion Ratio Lower Upper

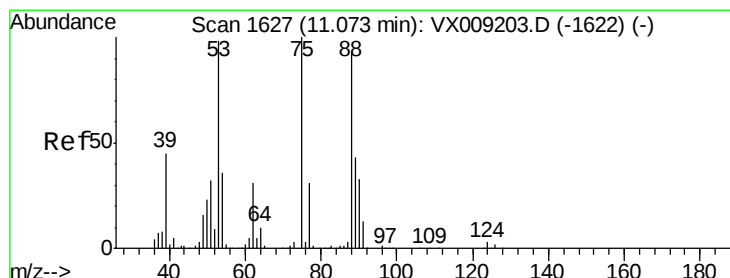
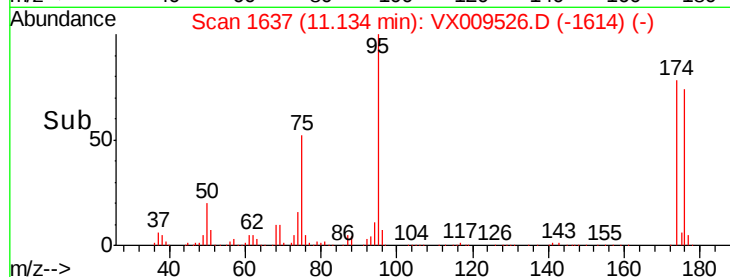
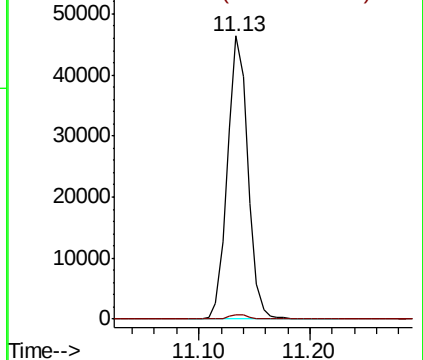
75 100

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: 64.252 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009526.D

Acq: 11 May 2019 15:30

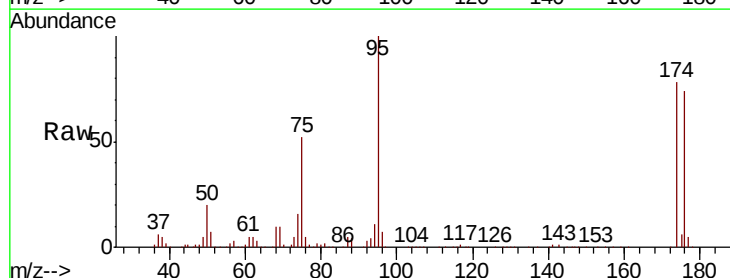
Tgt Ion: 75 Resp: 58782

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

