

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042919\
 Data File : VX009199.D
 Acq On : 29 Apr 2019 11:13
 Operator : JC/SP
 Sample : VX0429WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBL01

Quant Time: Apr 30 07:15:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	226718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	366877	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	316432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136570	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	147101	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
35) Dibromofluoromethane	5.49	113	110357	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	8.71	98	448630	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	11.13	95	150910	44.60	ug/l	0.00
Spiked Amount			Recovery	=	89.20%	

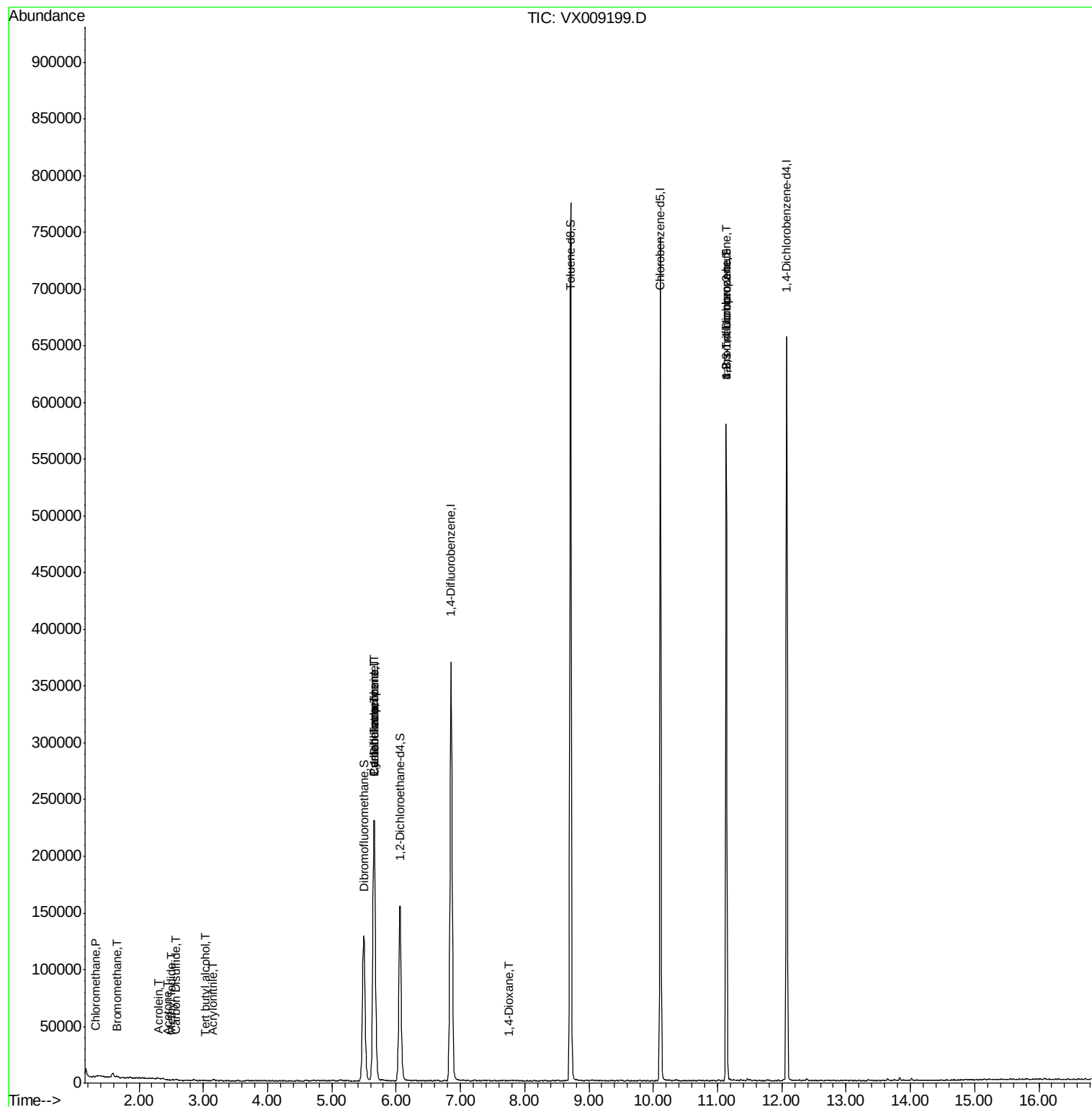
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	720	0.252	ug/l #	63
5) Bromomethane	1.65	94	644	0.386	ug/l #	56
10) Methyl Iodide	2.51	142	409	4.744	ug/l #	87
11) Tert butyl alcohol	3.03	59	177	0.247	ug/l	97
13) Acrolein	2.30	56	478	0.737	ug/l #	77
15) Acrylonitrile	3.14	53	738	0.421	ug/l #	92
16) Acetone	2.44	43	774	0.466	ug/l	97
17) Carbon Disulfide	2.57	76	1683	0.282	ug/l #	89
28) Bromochloromethane	5.02	49	87	Below Cal	#	53
31) Cyclohexane	5.66	56	4882	1.067	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17444	5.116	ug/l #	51
38) Carbon Tetrachloride	5.66	117	21280	6.870	ug/l #	15
49) 1,4-Dioxane	7.75	88	44	0.576	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	75606	23.866	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	75606	61.065	ug/l #	10

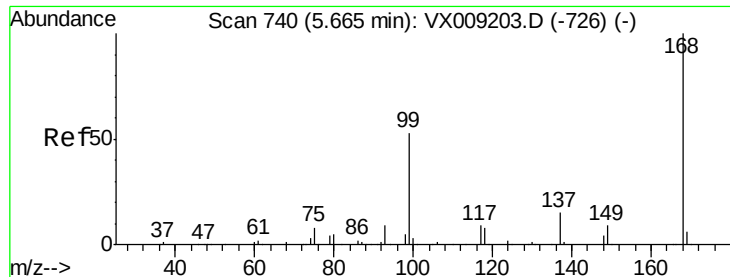
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
VX0429WBL01

Quant Time: Apr 30 07:15:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 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: VX009199.D

Acq: 29 Apr 2019 11:13

Instrument :

MSVOA_X

ClientSampleId :

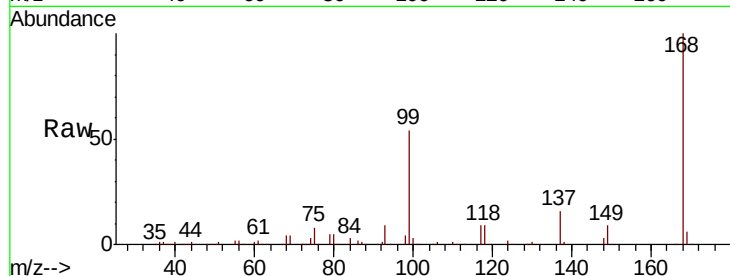
VX0429WBL01

Tgt Ion:168 Resp: 226718

Ion Ratio Lower Upper

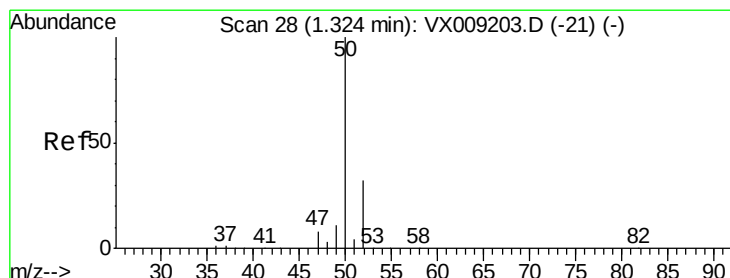
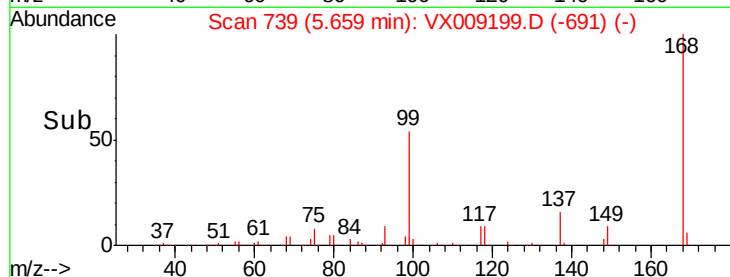
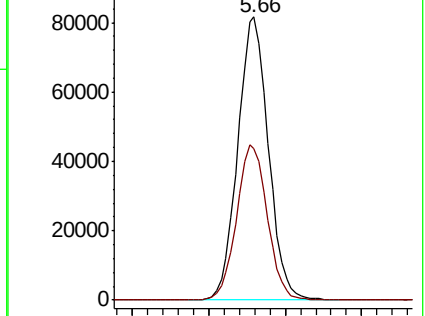
168 100

99 53.6 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: 0.252 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009199.D

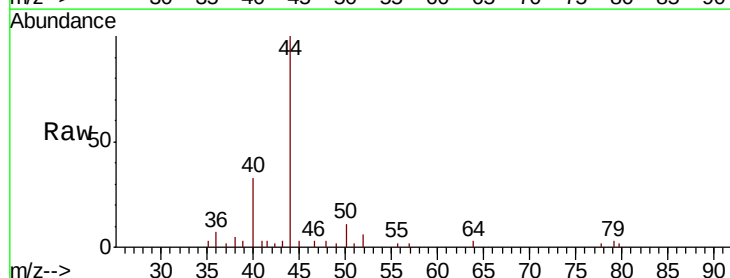
Acq: 29 Apr 2019 11:13

Tgt Ion: 50 Resp: 720

Ion Ratio Lower Upper

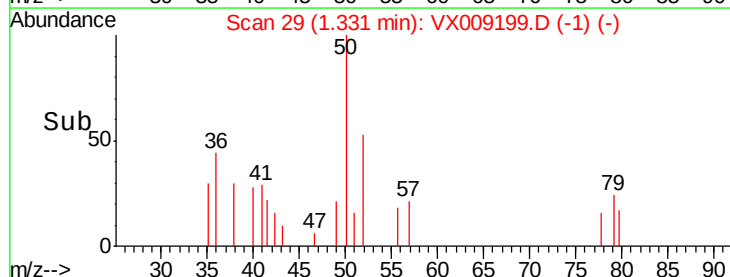
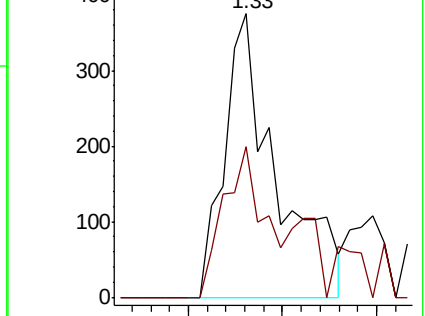
50 100

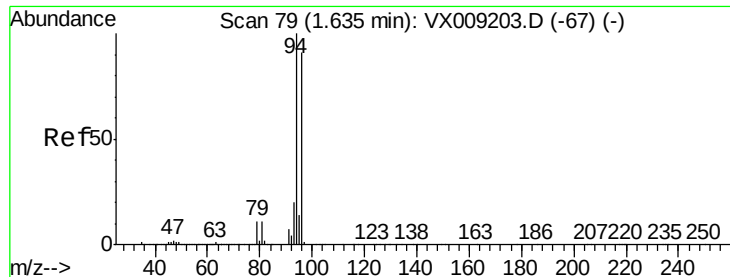
52 53.3 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.386 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX009199.D

Acq: 29 Apr 2019 11:13

Instrument :

MSVOA_X

ClientSampleId :

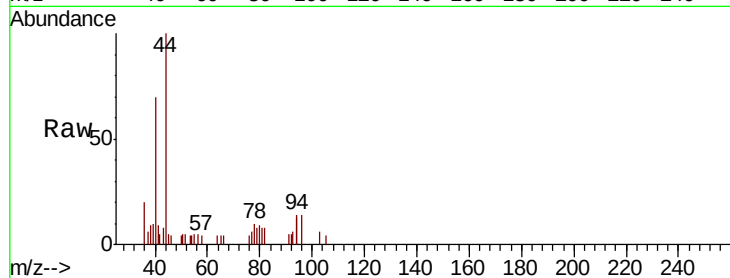
VX0429WBL01

Tgt Ion: 94 Resp: 644

Ion Ratio Lower Upper

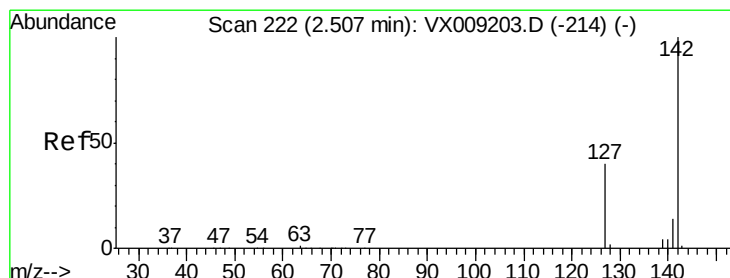
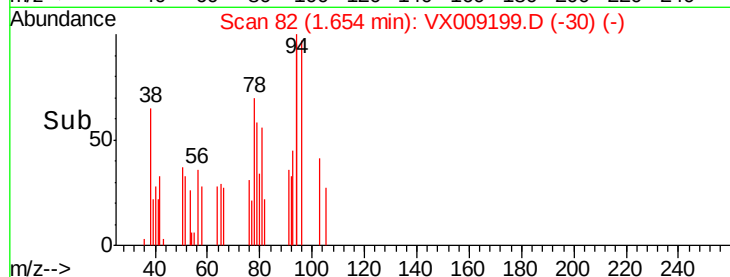
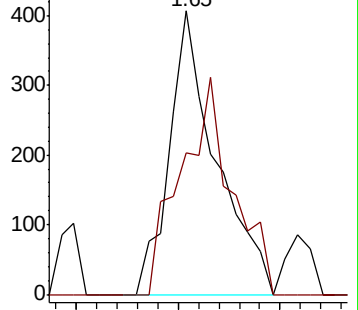
94 100

96 49.9 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.744 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009199.D

Acq: 29 Apr 2019 11:13

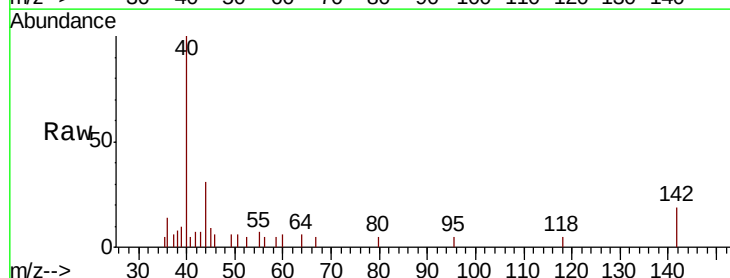
Tgt Ion: 142 Resp: 409

Ion Ratio Lower Upper

142 100

127 32.8 32.7 49.1

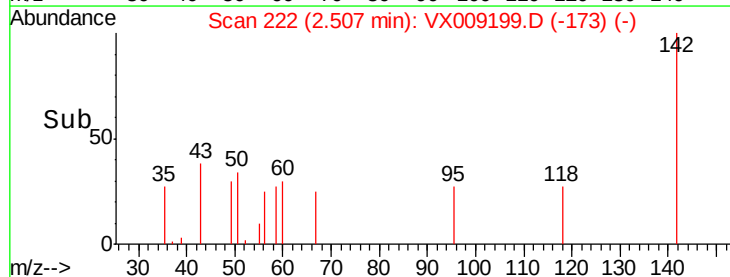
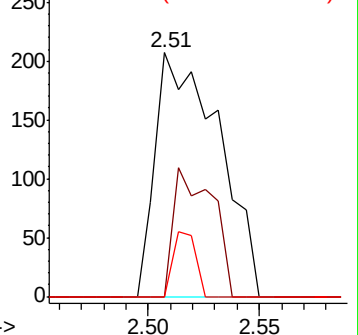
141 9.5 11.5 17.3#

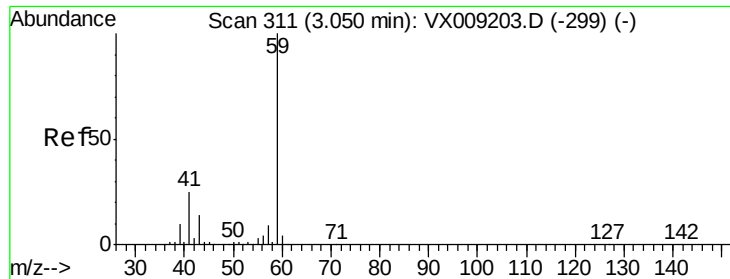


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

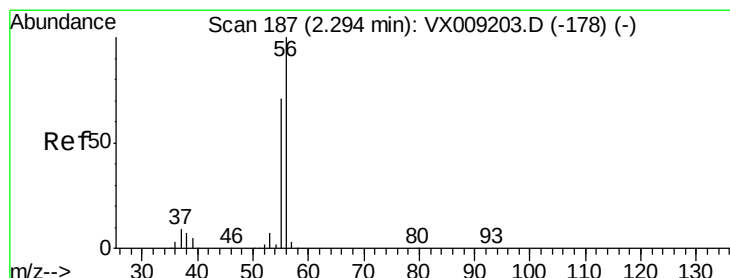
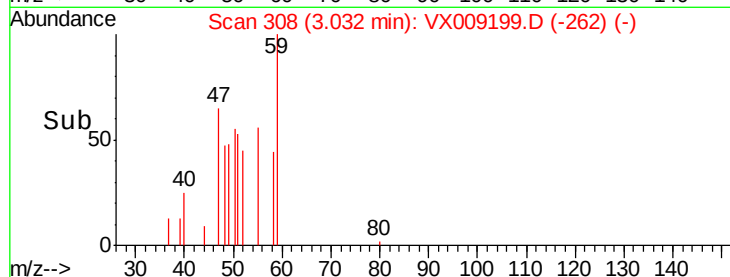
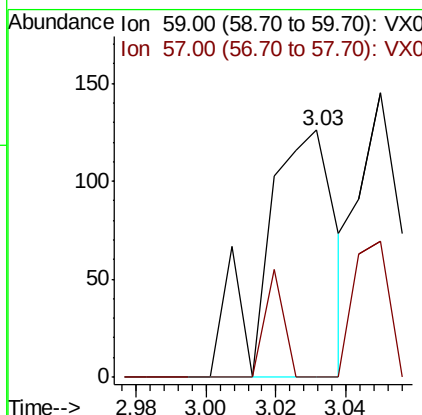
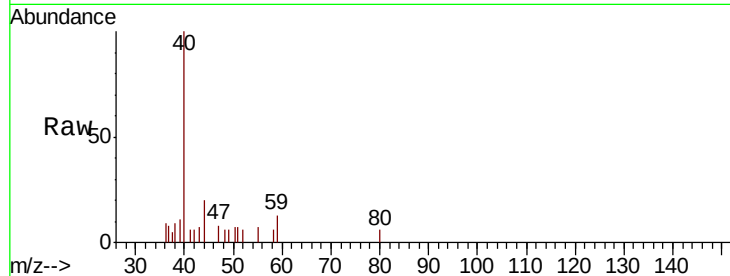




#11
Tert butyl alcohol
Concen: 0.247 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009199.D
Acq: 29 Apr 2019 11:13

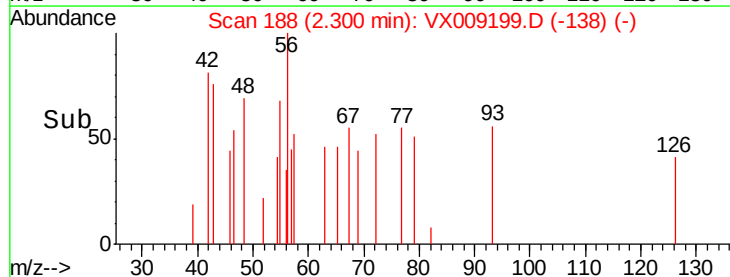
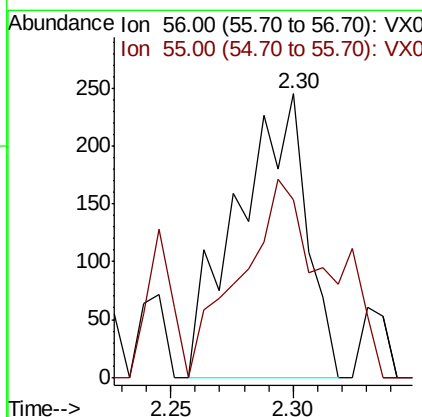
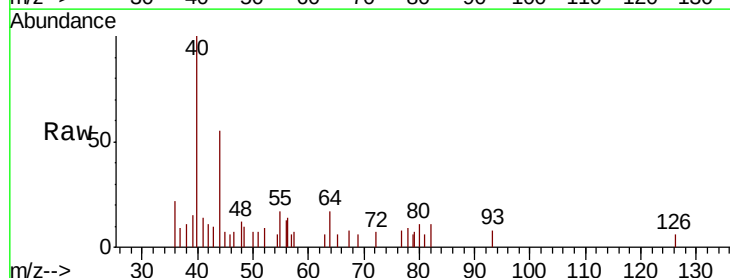
Instrument :
MSVOA_X
ClientSampleId :
VX0429WBL01

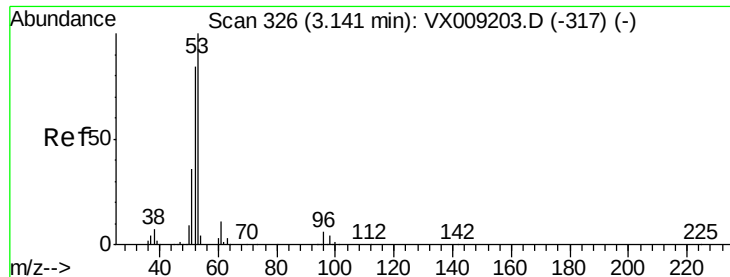
Tgt Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 11.3 8.2 12.2



#13
Acrolein
Concen: 0.737 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX009199.D
Acq: 29 Apr 2019 11:13

Tgt Ion: 56 Resp: 478
Ion Ratio Lower Upper
56 100
55 89.7 56.6 85.0#





#15

Acrylonitrile

Concen: 0.421 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009199.D

Acq: 29 Apr 2019 11:13

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBL01

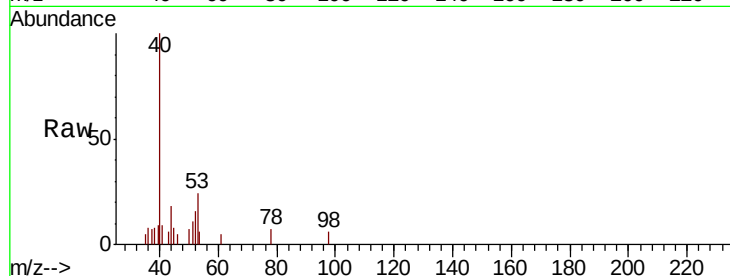
Tgt Ion: 53 Resp: 738

Ion Ratio Lower Upper

53 100

52 84.7 66.9 100.3

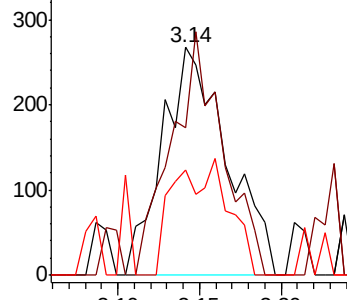
51 20.9 28.2 42.2#



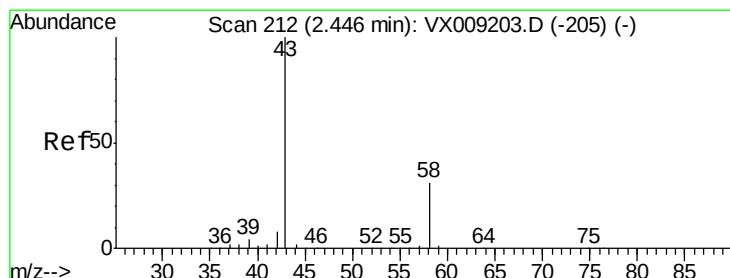
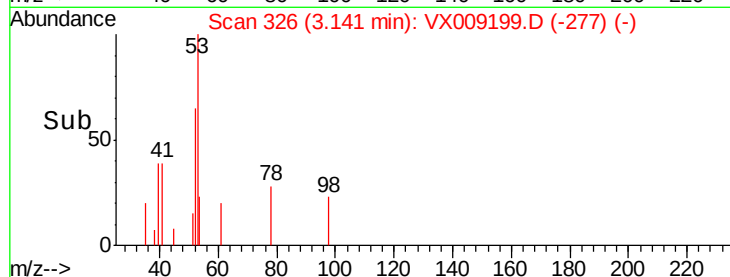
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 0.466 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009199.D

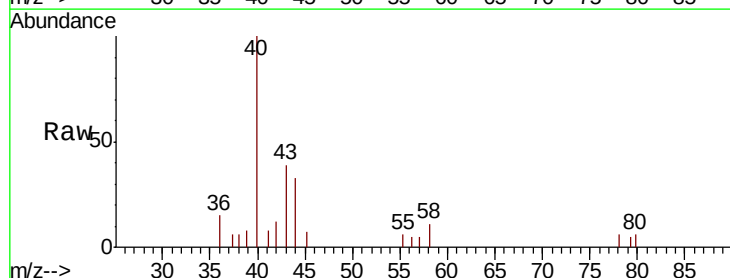
Acq: 29 Apr 2019 11:13

Tgt Ion: 43 Resp: 774

Ion Ratio Lower Upper

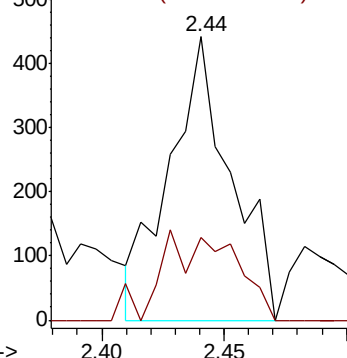
43 100

58 29.3 24.9 37.3

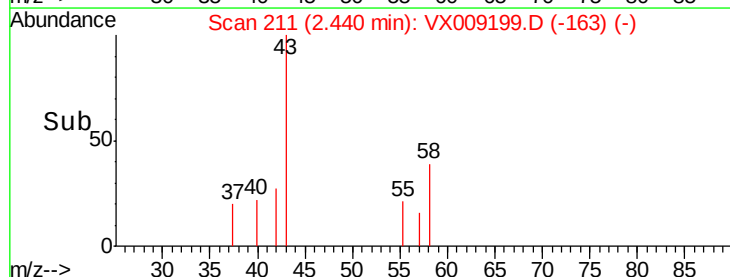


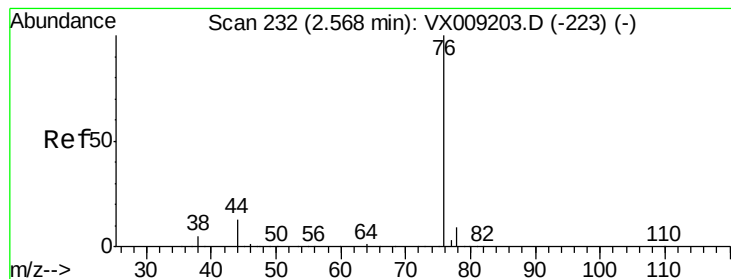
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#17

Carbon Disulfide

Concen: 0.282 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009199.D

Acq: 29 Apr 2019 11:13

Instrument :

MSVOA_X

ClientSampled :

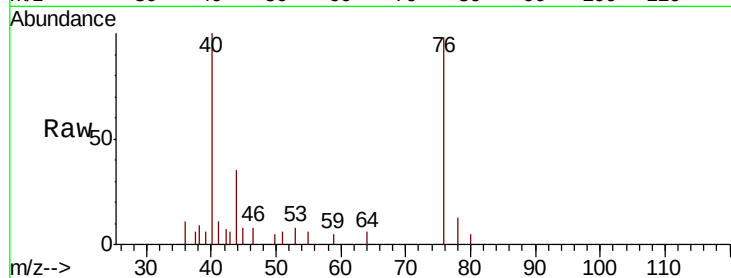
VX0429WBL01

Tgt Ion: 76 Resp: 1683

Ion Ratio Lower Upper

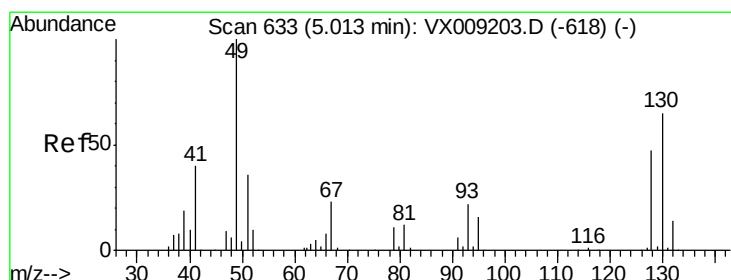
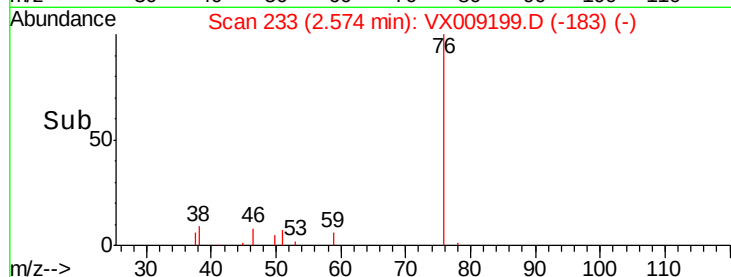
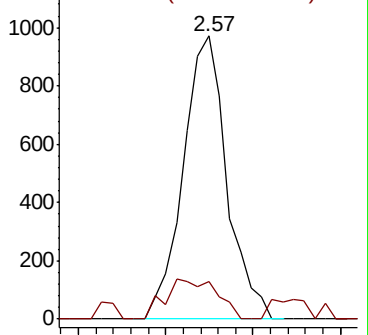
76 100

78 13.2 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009199.D

Acq: 29 Apr 2019 11:13

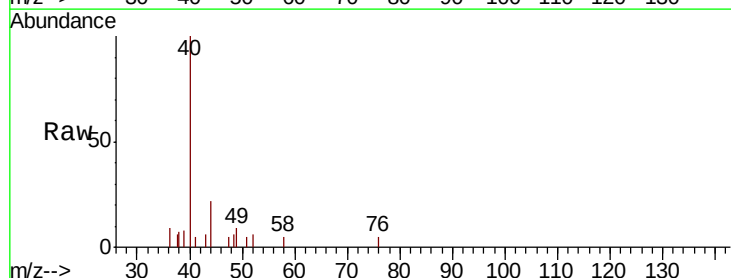
Tgt Ion: 49 Resp: 87

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

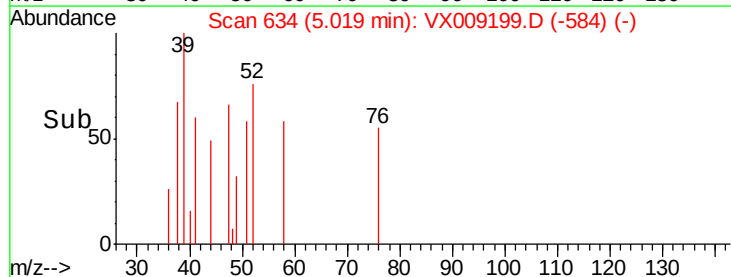
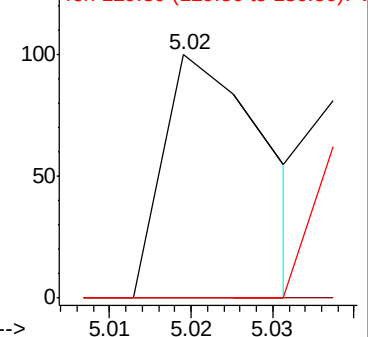
130 26.4 51.2 76.8#

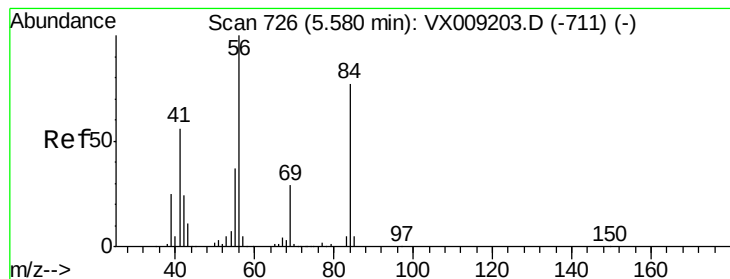


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 1.067 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009199.D

Acq: 29 Apr 2019 11:13

Instrument :

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ClientSampleId :

VX0429WBL01

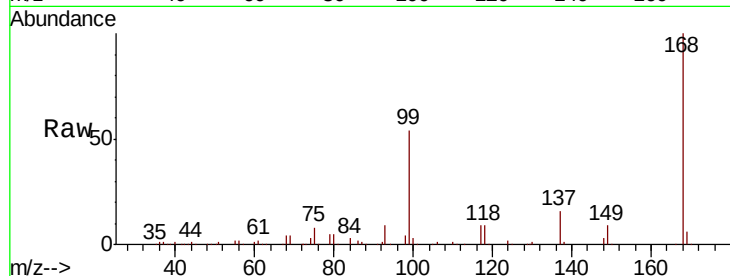
Tgt Ion: 56 Resp: 4882

Ion Ratio Lower Upper

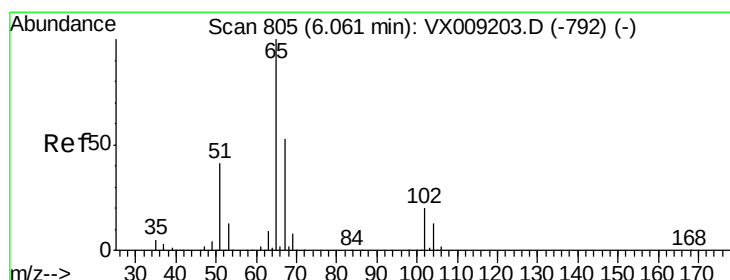
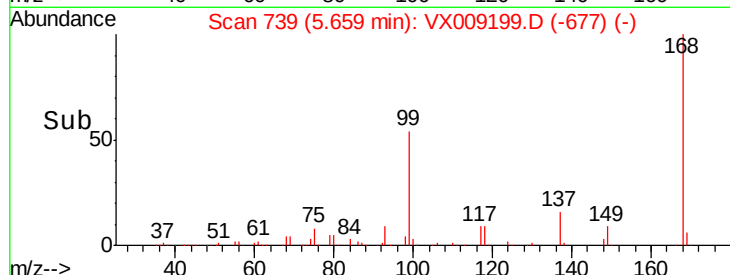
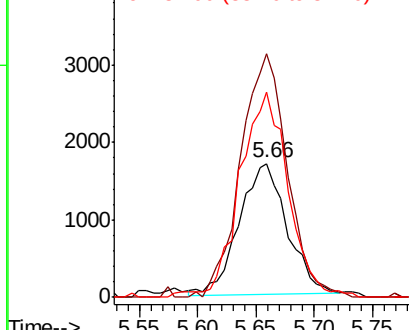
56 100

69 187.1 23.4 35.0#

84 153.5 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: 47.529 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009199.D

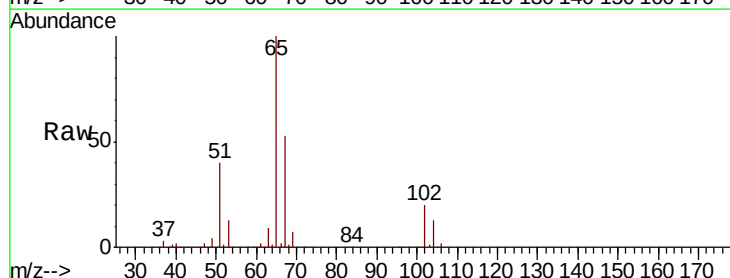
Acq: 29 Apr 2019 11:13

Tgt Ion: 65 Resp: 147101

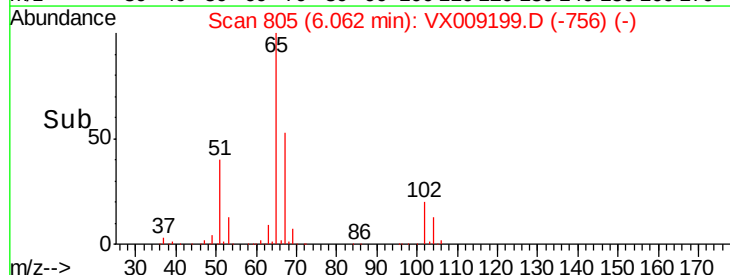
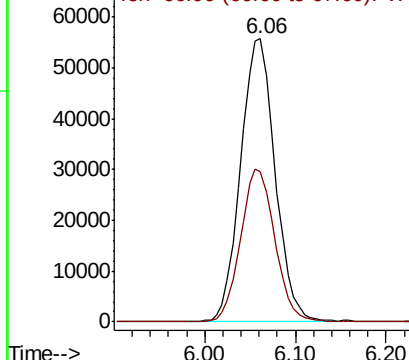
Ion Ratio Lower Upper

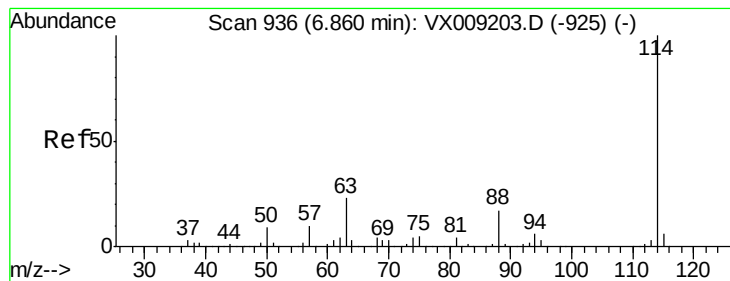
65 100

67 53.7 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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009199.D

Acq: 29 Apr 2019 11:13

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBL01

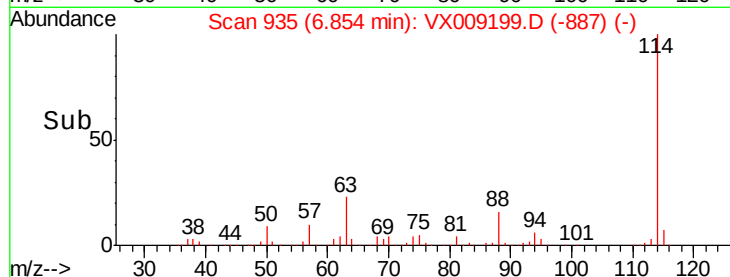
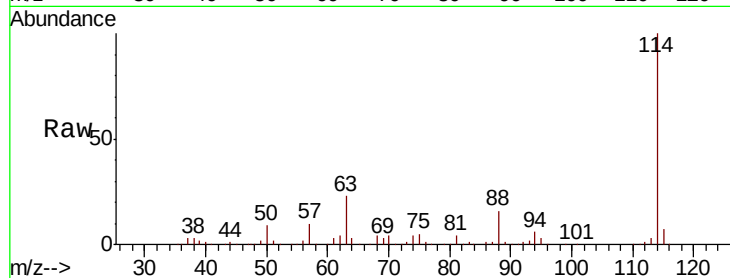
Tgt Ion:114 Resp: 366877

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.6

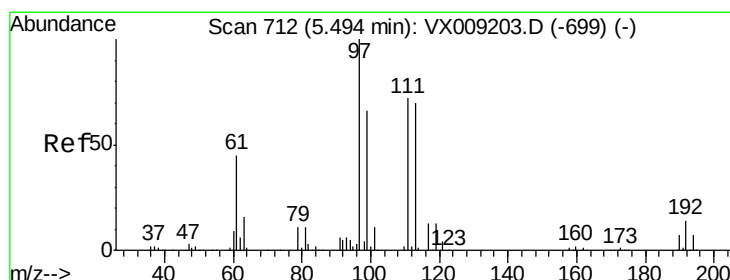
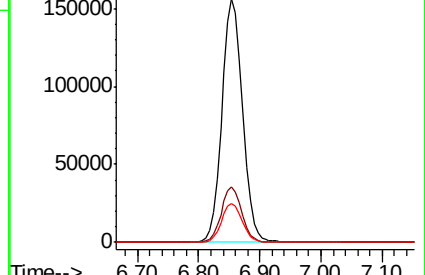
88 16.0 0.0 33.2



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: 47.850 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009199.D

Acq: 29 Apr 2019 11:13

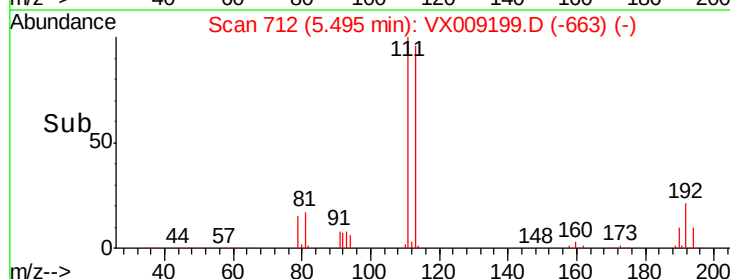
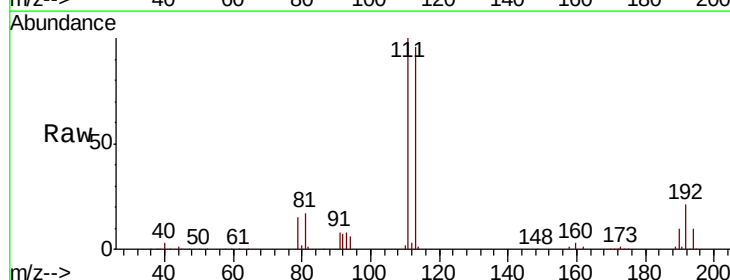
Tgt Ion:113 Resp: 110357

Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

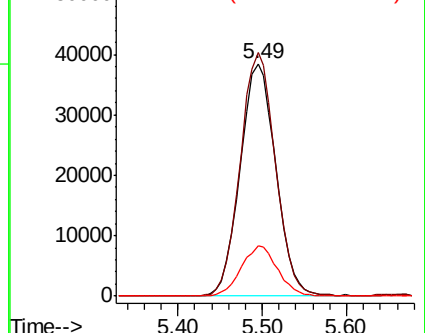
192 21.9 17.0 25.6

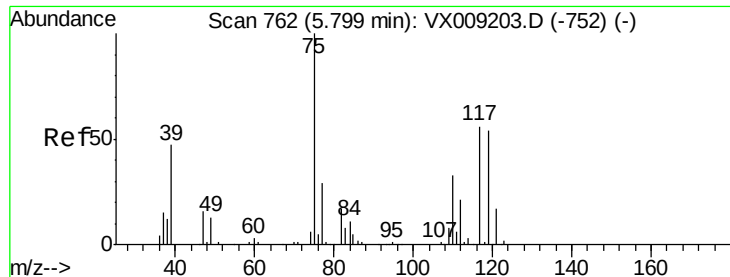


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

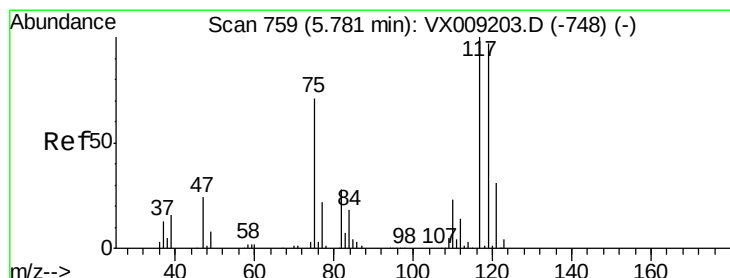
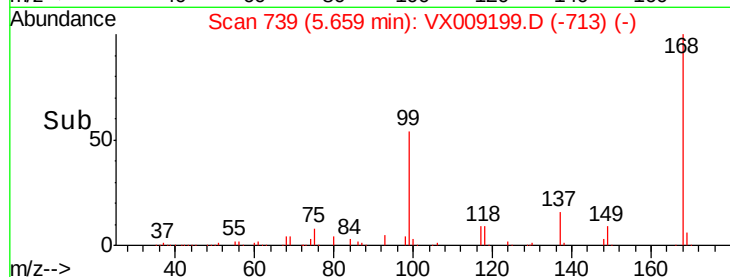
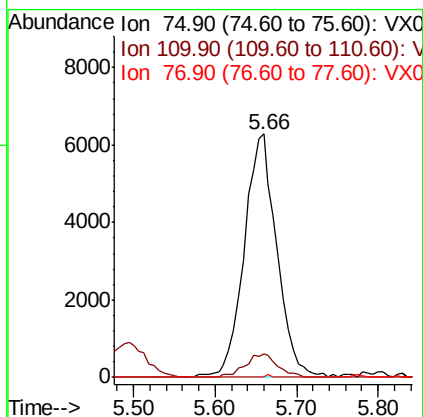
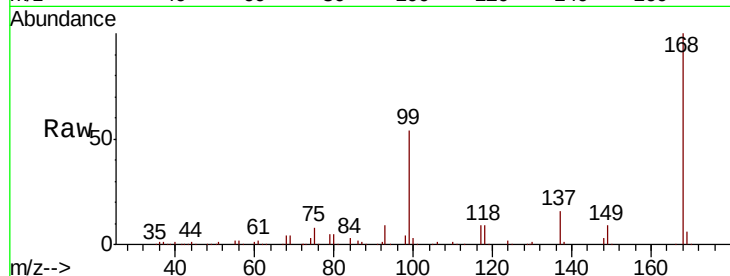




#36
 1,1-Dichloropropene
 Concen: 5.116 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009199.D
 Acq: 29 Apr 2019 11:13

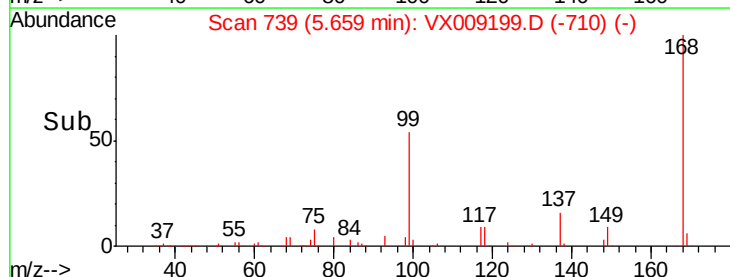
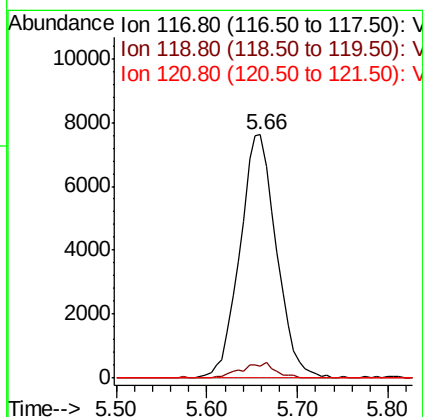
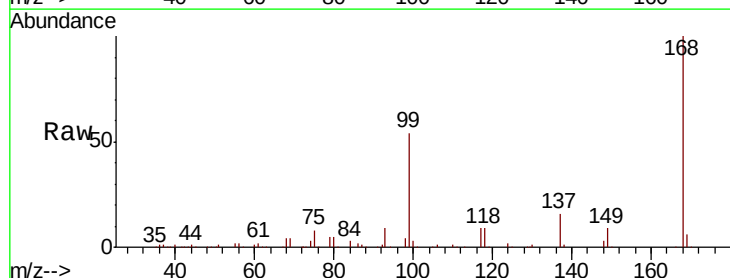
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBL01

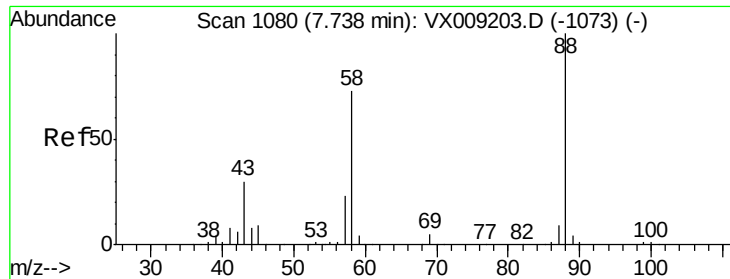
Tgt Ion: 75 Resp: 17444
 Ion Ratio Lower Upper
 75 100
 110 9.5 16.9 50.6#
 77 0.1 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.870 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009199.D
 Acq: 29 Apr 2019 11:13

Tgt Ion: 117 Resp: 21280
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.5 116.3#
 121 0.0 24.7 37.1#

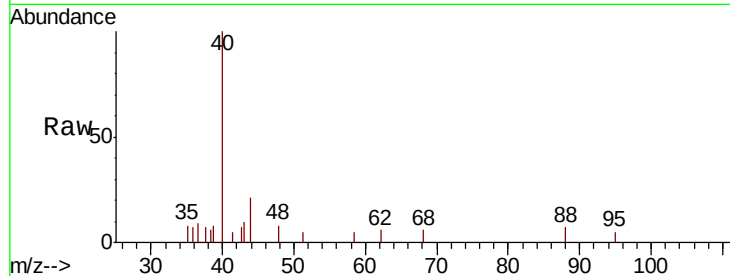




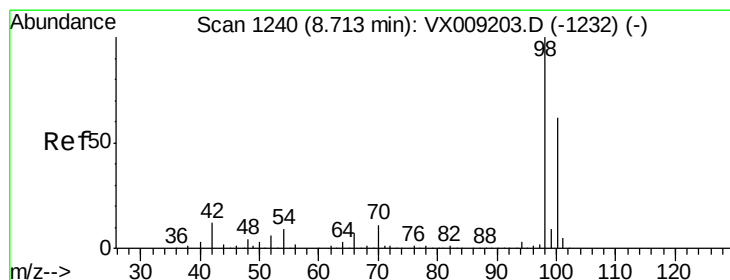
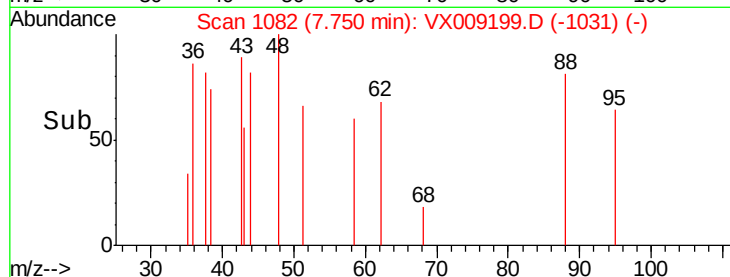
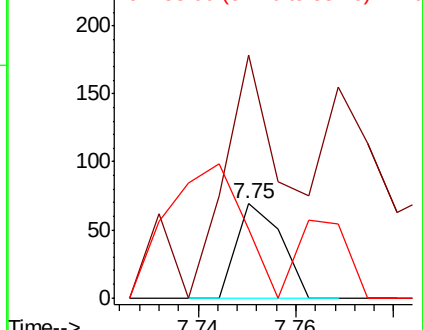
#49
1,4-Dioxane
Concen: 0.576 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX009199.D
Acq: 29 Apr 2019 11:13

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBL01

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 395.5 28.6 42.8#
58 240.9 61.7 92.5#

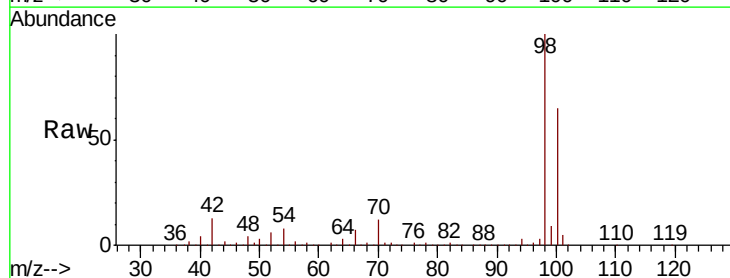


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

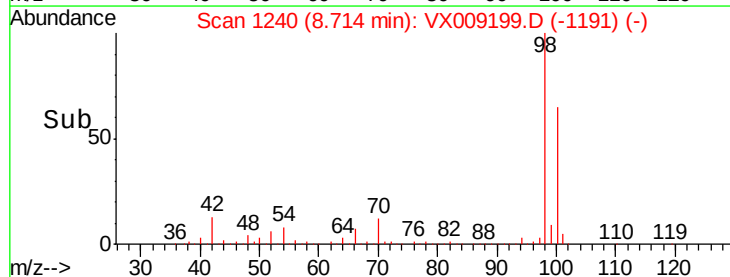
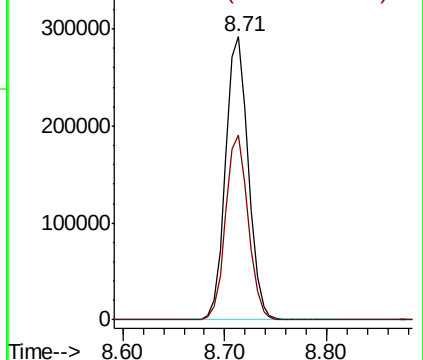


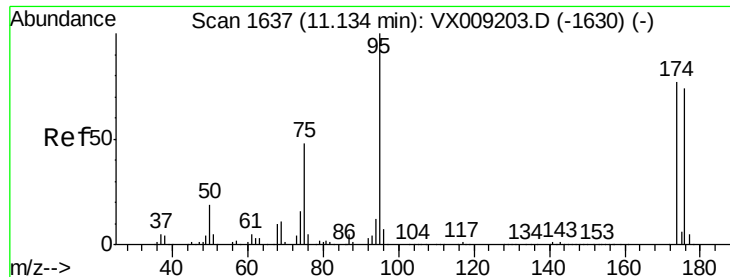
#50
Toluene-d8
Concen: 48.181 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009199.D
Acq: 29 Apr 2019 11:13

Tgt Ion: 98 Resp: 448630
Ion Ratio Lower Upper
98 100
100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.604 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009199.D

Acq: 29 Apr 2019 11:13

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBL01

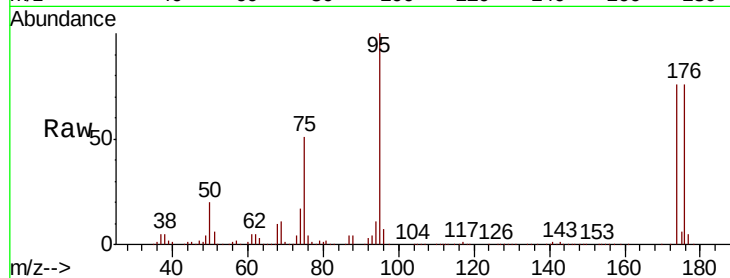
Tgt Ion: 95 Resp: 150910

Ion Ratio Lower Upper

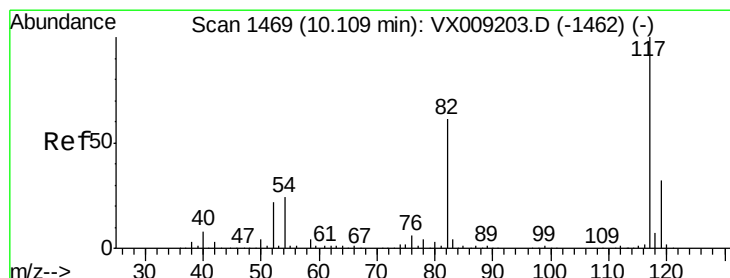
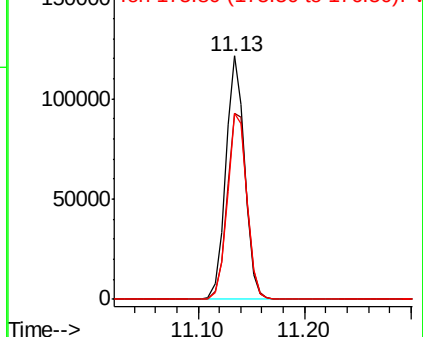
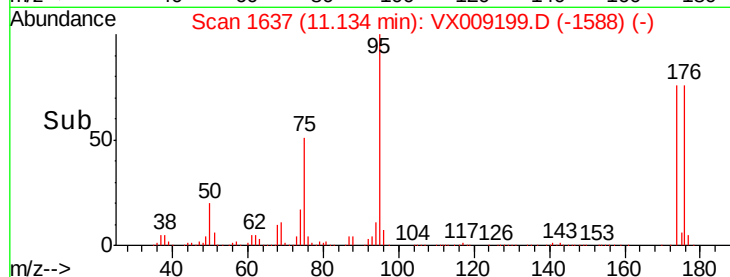
95 100

174 80.3 0.0 161.6

176 78.8 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009199.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009199.D

Acq: 29 Apr 2019 11:13

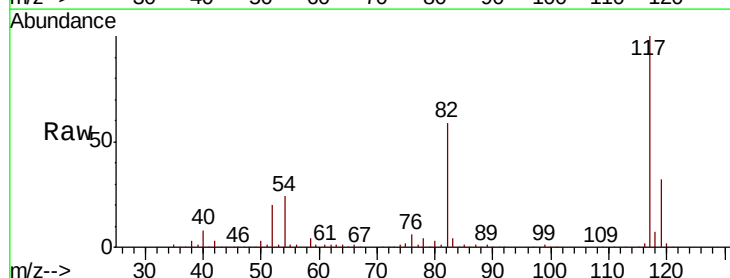
Tgt Ion: 117 Resp: 316432

Ion Ratio Lower Upper

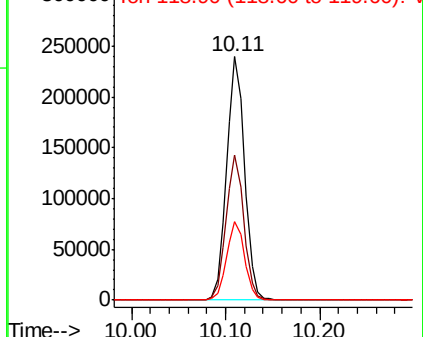
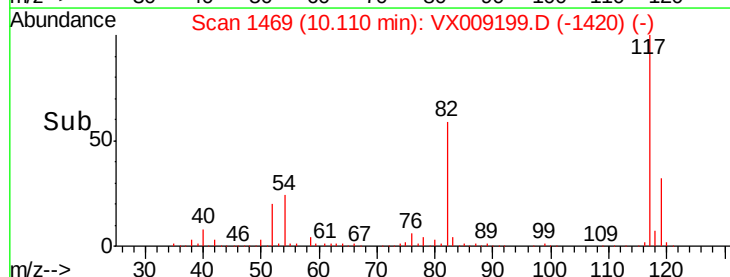
117 100

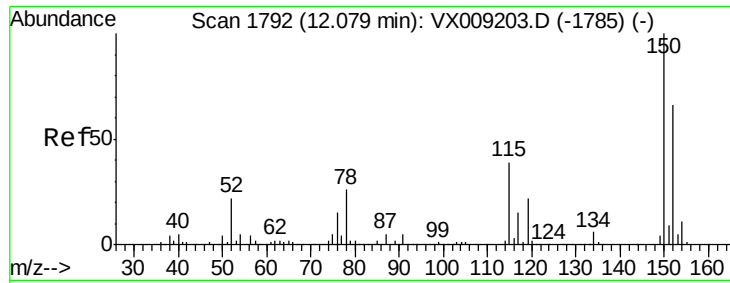
82 59.5 48.8 73.2

119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009199.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009199.D

Acq: 29 Apr 2019 11:13

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBL01

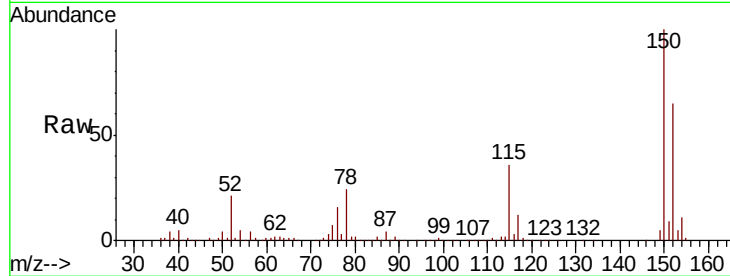
Tgt Ion:152 Resp: 136570

Ion Ratio Lower Upper

152 100

115 58.2 41.2 123.6

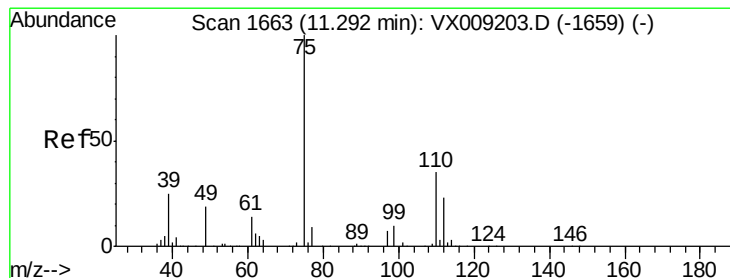
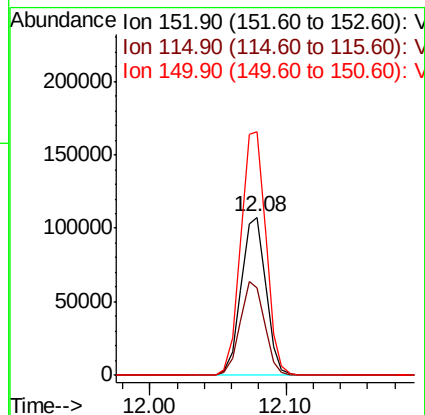
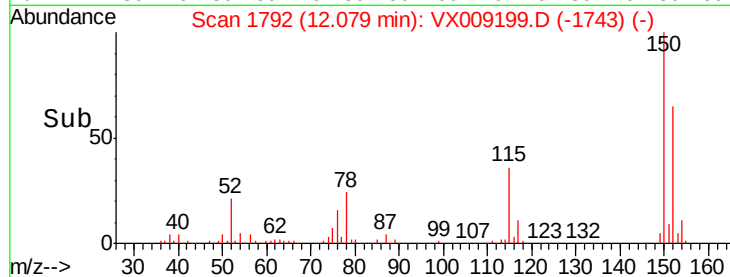
150 156.0 0.0 346.4



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: 23.866 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009199.D

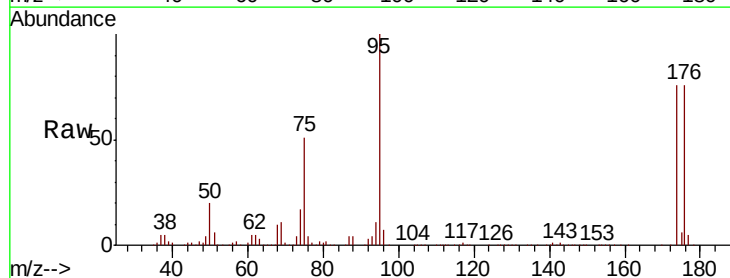
Acq: 29 Apr 2019 11:13

Tgt Ion: 75 Resp: 75606

Ion Ratio Lower Upper

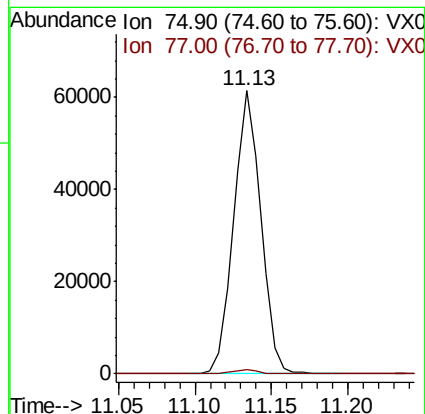
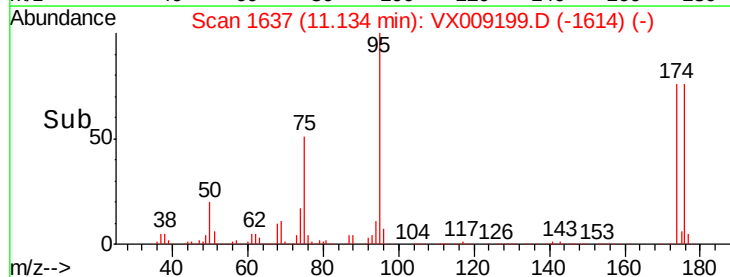
75 100

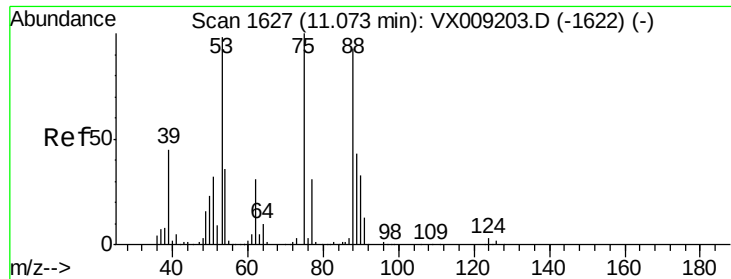
77 1.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.065 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009199.D

Acq: 29 Apr 2019 11:13

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBL01

Tgt Ion: 75 Resp: 75606

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

