

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041319\
 Data File : VX008926.D
 Acq On : 13 Apr 2019 12:51
 Operator : JC/SP
 Sample : VX0413WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 14 04:12:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	183696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	292763	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108946	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	116940	43.65	ug/l	0.00
Spiked Amount			Recovery	=	87.30%	
35) Dibromofluoromethane	5.49	113	86474	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	
50) Toluene-d8	8.71	98	361576	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	11.13	95	121687	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	

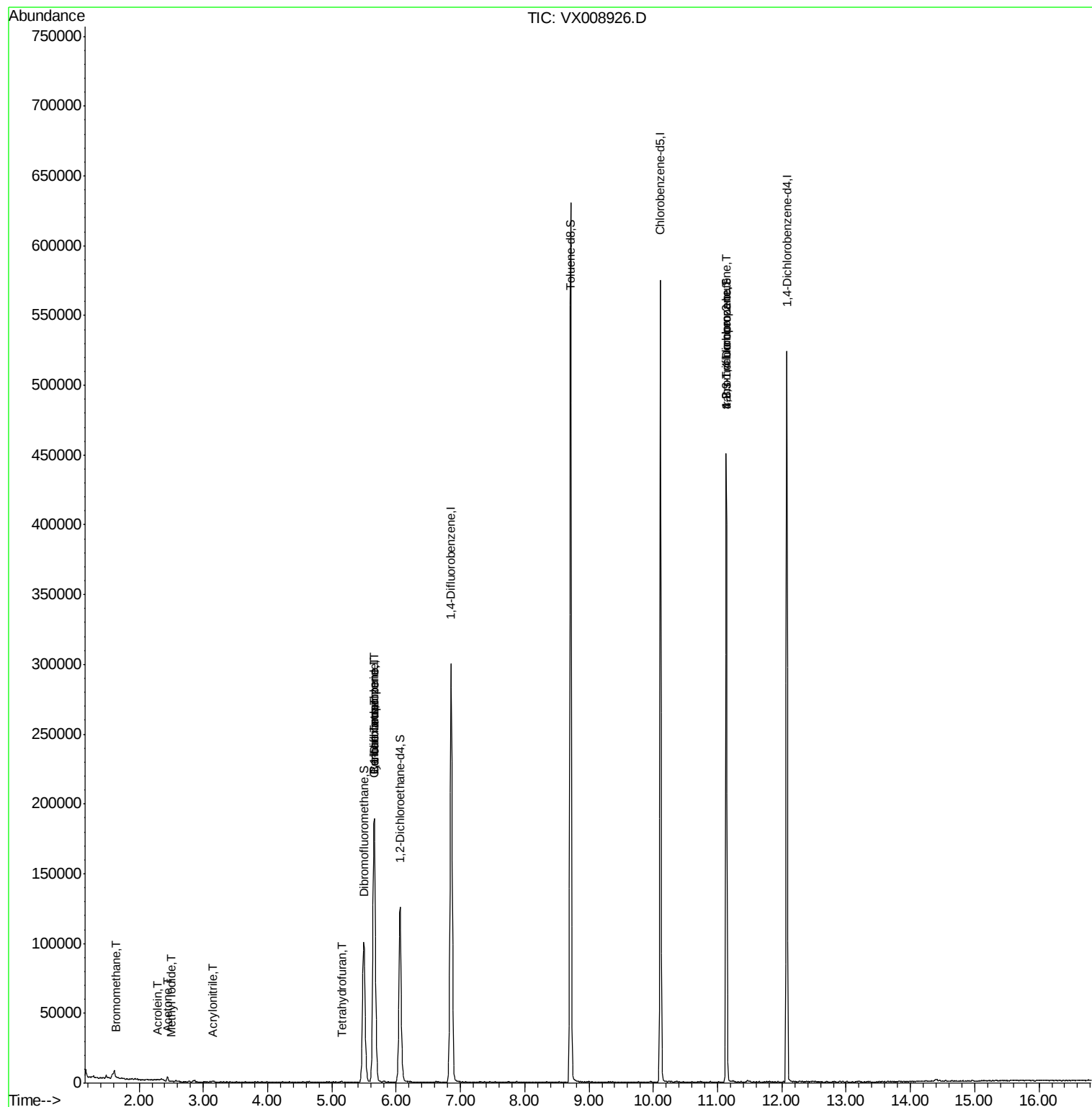
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	355	Below Cal	#	83
5) Bromomethane	1.64	94	96	1.951	ug/l #	54
6) Chloroethane	1.81	64	53	Below Cal	#	43
10) Methyl Iodide	2.50	142	197	4.101	ug/l #	72
13) Acrolein	2.29	56	223	0.717	ug/l #	13
15) Acrylonitrile	3.14	53	358	0.215	ug/l #	92
16) Acetone	2.44	43	3794	2.459	ug/l	94
17) Carbon Disulfide	2.57	76	1098	Below Cal	#	94
28) Bromochloromethane	5.03	49	19	Below Cal	#	22
29) Tetrahydrofuran	5.16	42	533	0.329	ug/l #	45
31) Cyclohexane	5.65	56	4064	0.878	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14542	4.544	ug/l #	50
38) Carbon Tetrachloride	5.65	117	17726	6.692	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	61488	20.545	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	61488	56.633	ug/l #	9

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

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QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008926.D

Acq: 13 Apr 2019 12:51

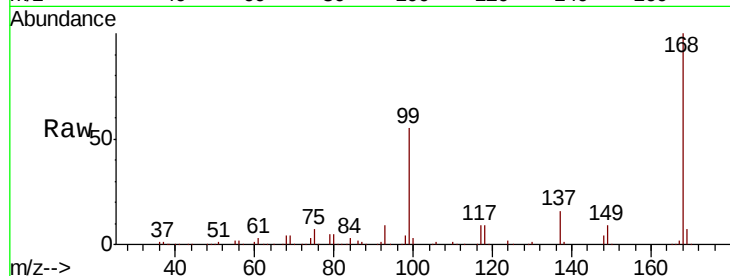
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 183696

Ion Ratio Lower Upper

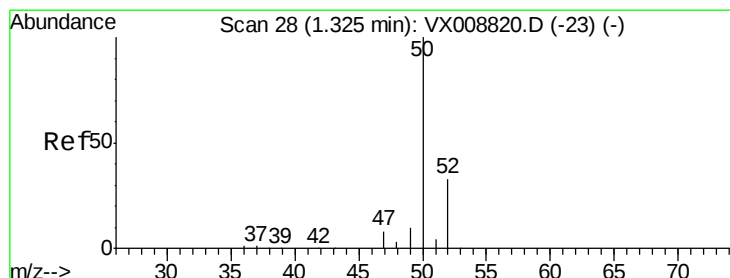
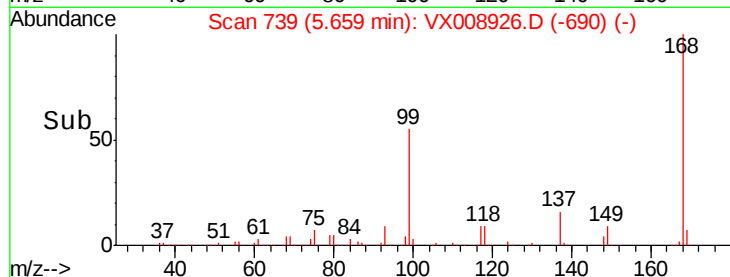
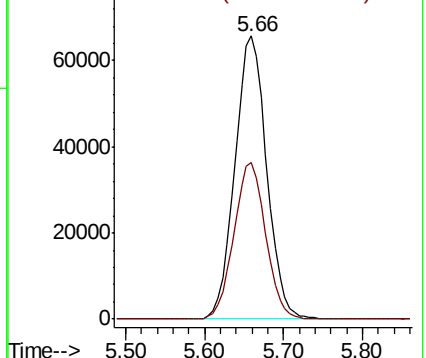
168 100

99 55.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008926.D

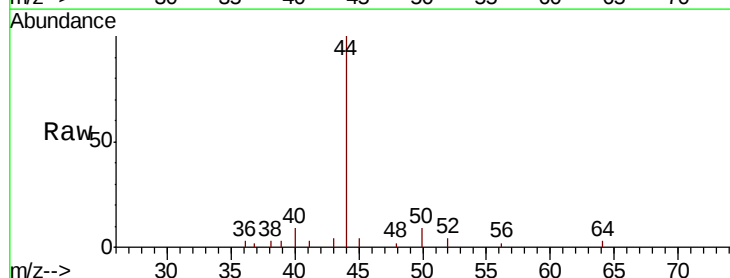
Acq: 13 Apr 2019 12:51

Tgt Ion: 50 Resp: 355

Ion Ratio Lower Upper

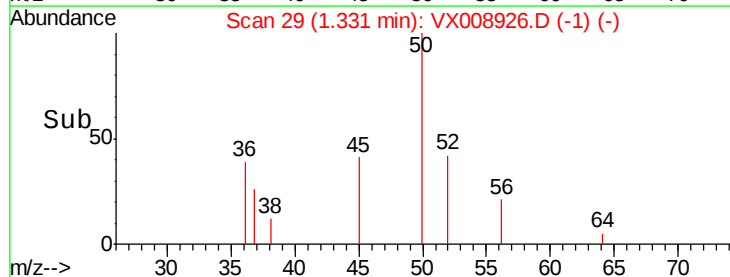
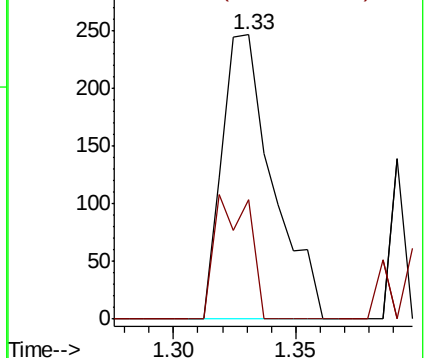
50 100

52 41.9 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.951 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008926.D

Acq: 13 Apr 2019 12:51

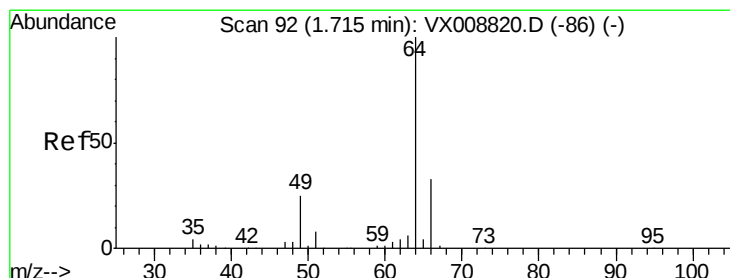
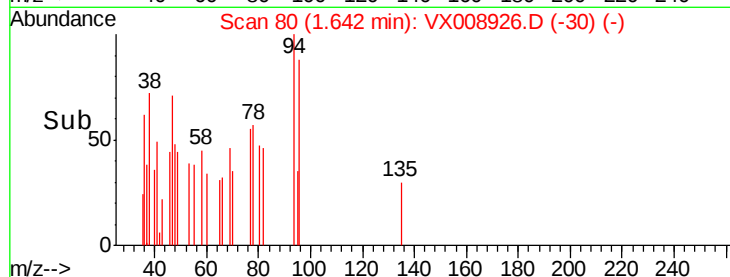
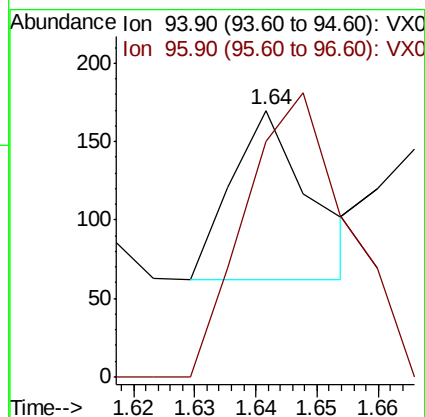
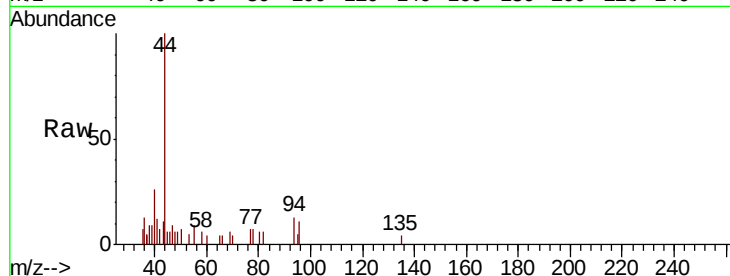
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 96

Ion Ratio Lower Upper

94 100

96 138.9 75.2 112.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.81 min Scan# 107

Delta R.T. 0.09 min

Lab File: VX008926.D

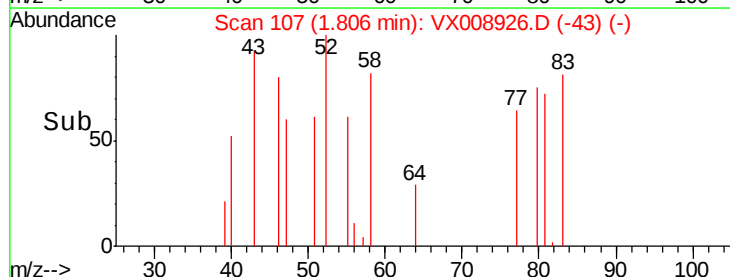
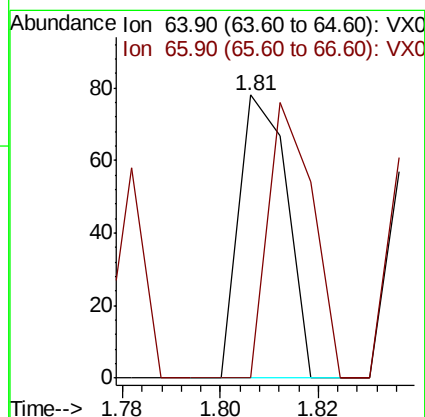
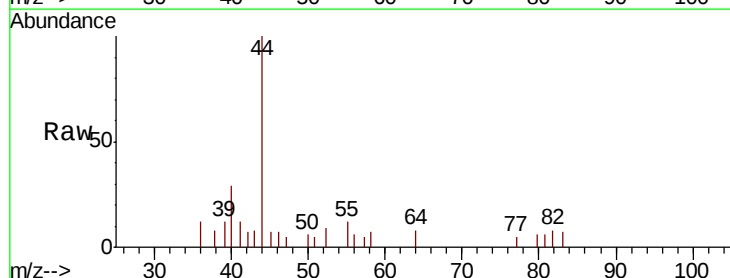
Acq: 13 Apr 2019 12:51

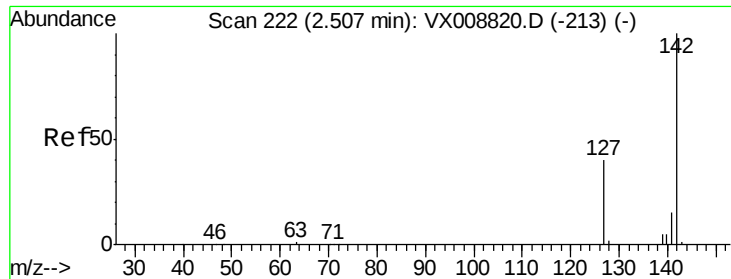
Tgt Ion: 64 Resp: 53

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#

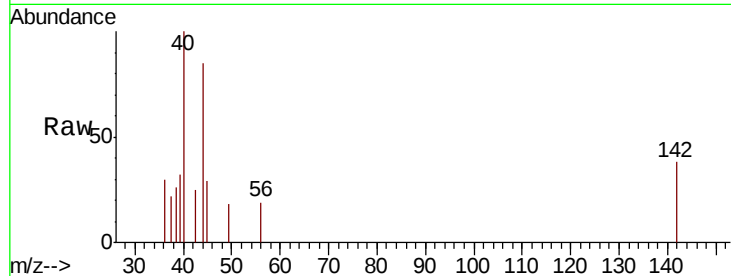




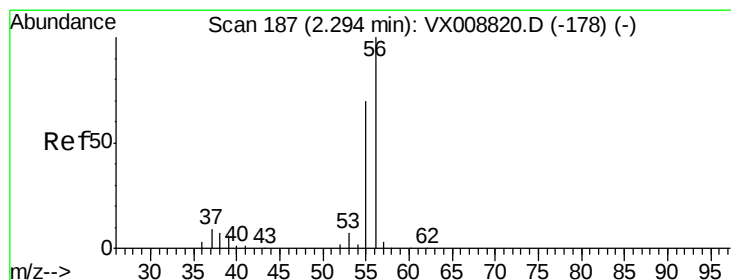
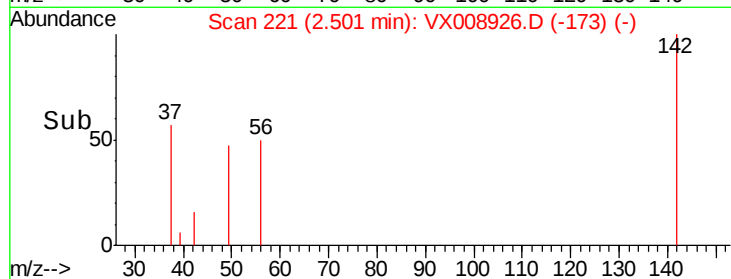
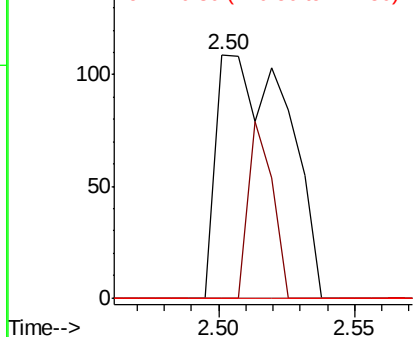
#10
Methyl Iodide
Concen: 4.101 ug/l
RT: 2.50 min Scan# 221
Delta R.T. -0.01 min
Lab File: VX008926.D
Acq: 13 Apr 2019 12:51

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 197
Ion Ratio Lower Upper
142 100
127 24.9 33.0 49.6#
141 0.0 11.4 17.2#

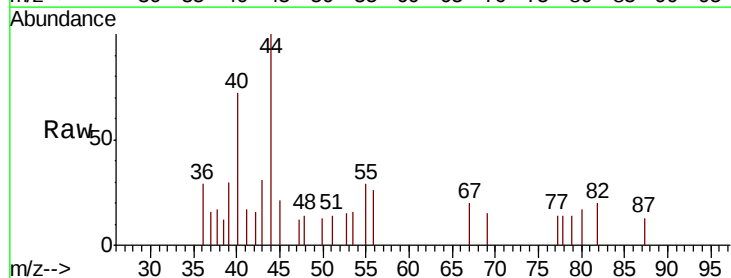


Abundance Ion 141.80 (141.50 to 142.50): V
150 Ion 126.80 (126.50 to 127.50): V
100 Ion 140.80 (140.50 to 141.50): V

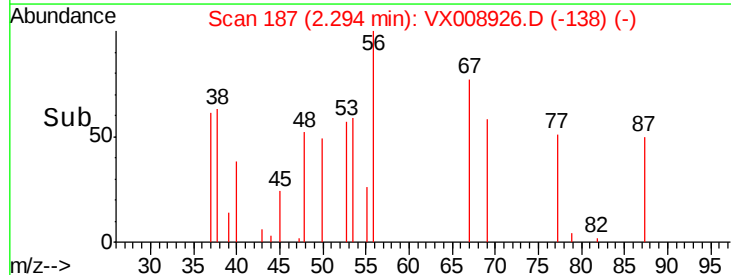
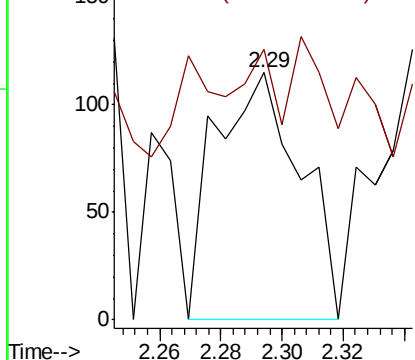


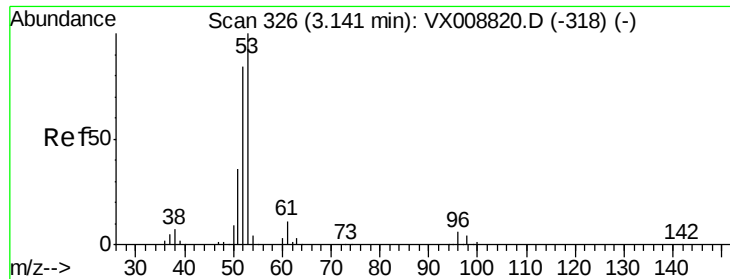
#13
Acrolein
Concen: 0.717 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008926.D
Acq: 13 Apr 2019 12:51

Tgt Ion: 56 Resp: 223
Ion Ratio Lower Upper
56 100
55 0.0 58.0 87.0#



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

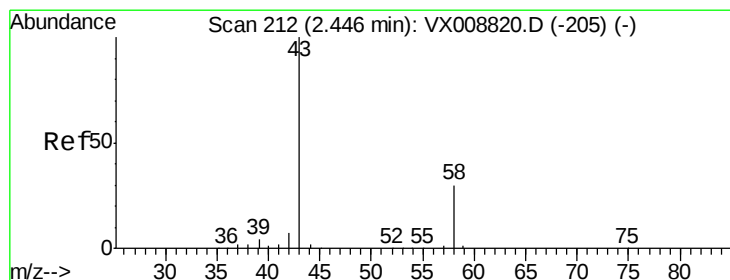
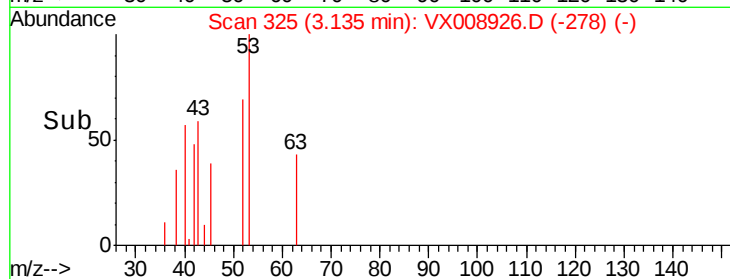
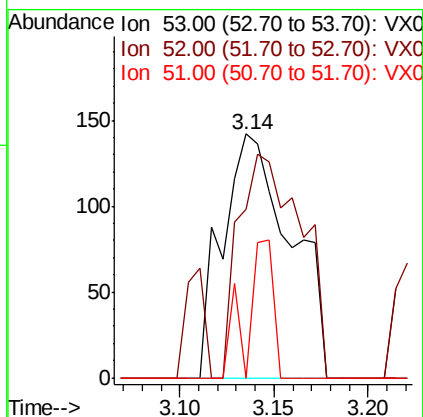
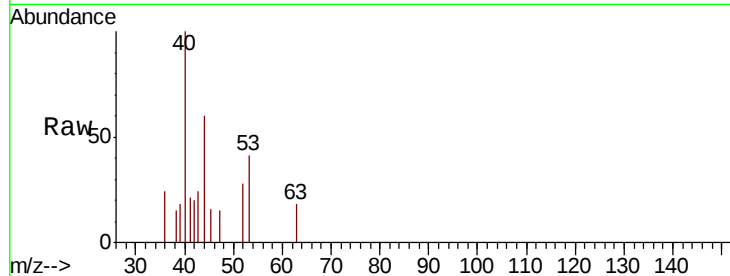




#15
 Acrylonitrile
 Concen: 0.215 ug/l
 RT: 3.14 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VX008926.D
 Acq: 13 Apr 2019 12:51

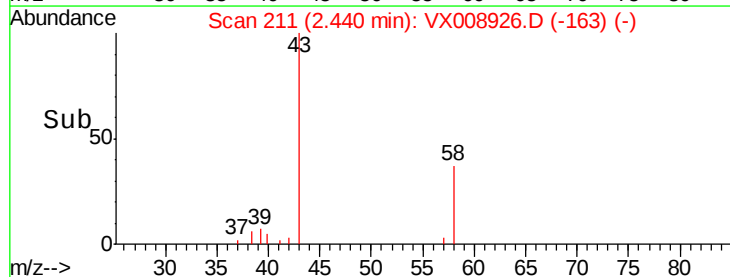
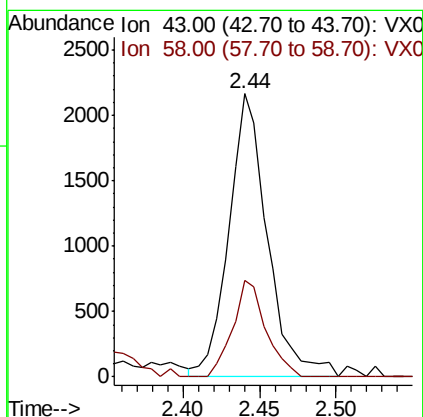
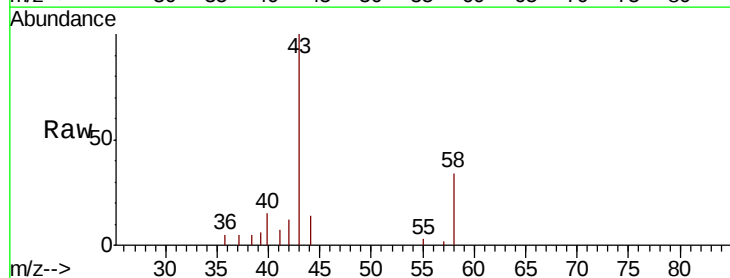
Instrument :
 MSVOA_X
 ClientSampled :

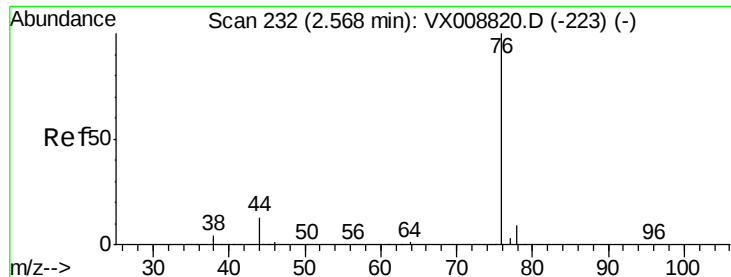
Tot Ion: 53 Resp: 358
 Ion Ratio Lower Upper
 53 100
 52 83.8 66.5 99.7
 51 21.8 28.6 42.8#



#16
 Acetone
 Concen: 2.459 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX008926.D
 Acq: 13 Apr 2019 12:51

Tgt Ion: 43 Resp: 3794
 Ion Ratio Lower Upper
 43 100
 58 34.3 24.8 37.2

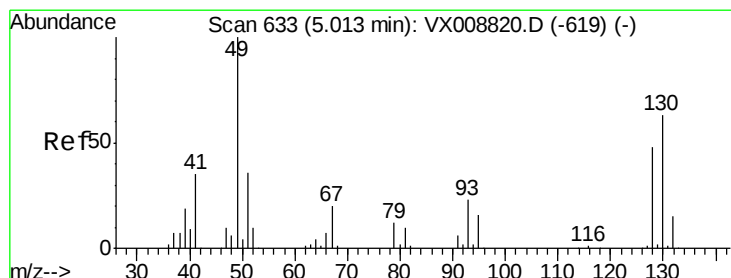
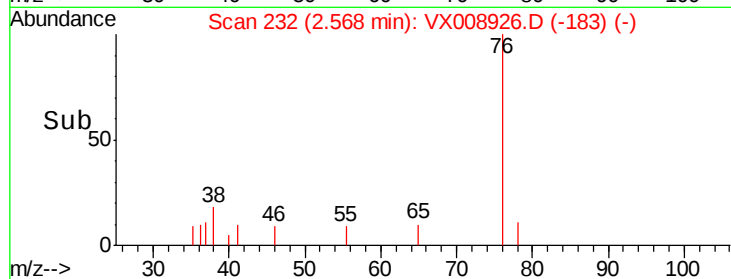
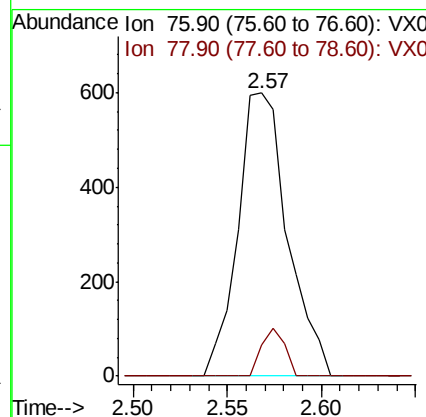
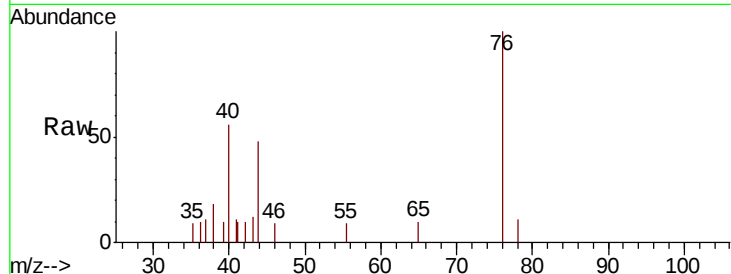




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008926.D
Acq: 13 Apr 2019 12:51

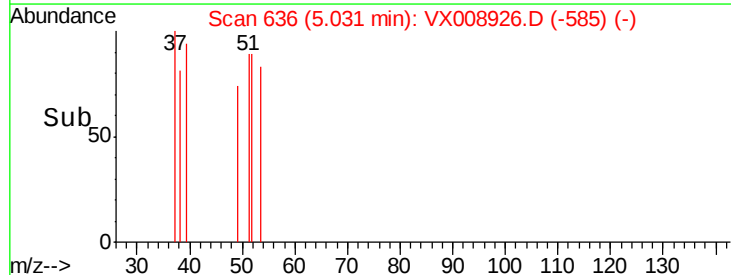
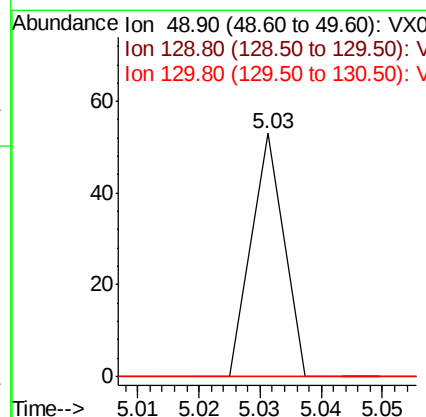
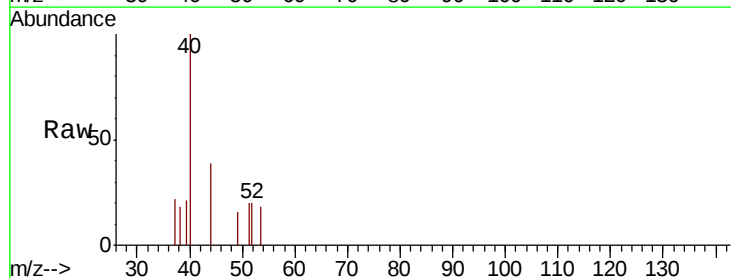
Instrument :
MSVOA_X
ClientSampleId :

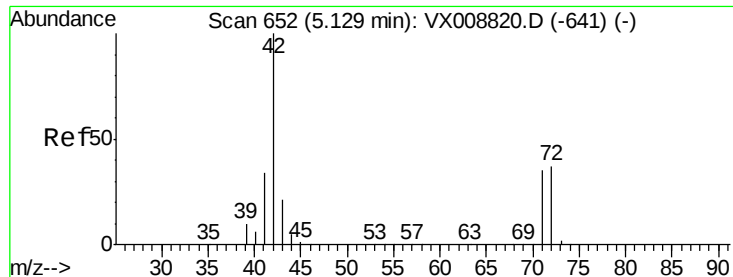
Tot Ion: 76 Resp: 1098
Ion Ratio Lower Upper
76 100
78 11.0 7.1 10.7#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 636
Delta R.T. 0.01 min
Lab File: VX008926.D
Acq: 13 Apr 2019 12:51

Tgt Ion: 49 Resp: 19
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#

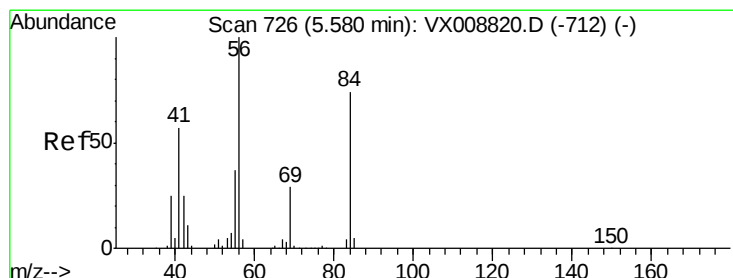
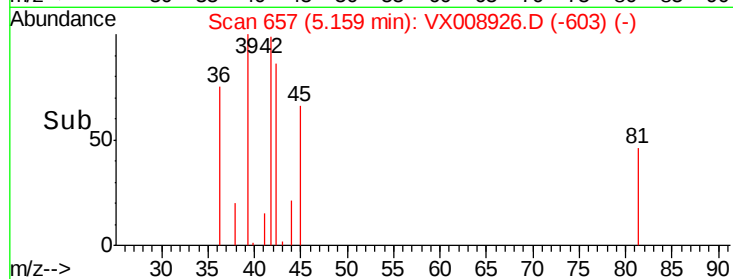
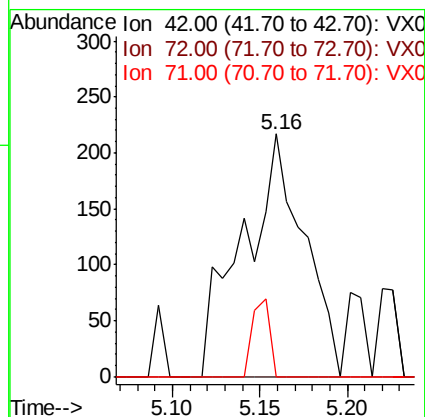
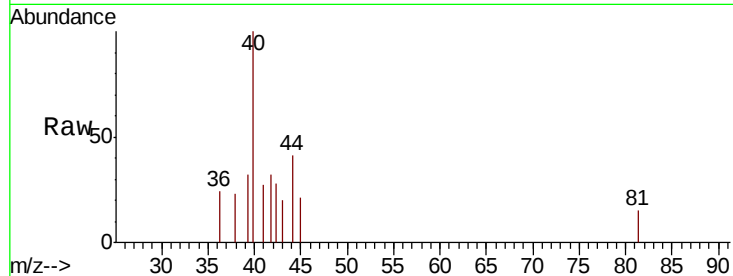




#29
Tetrahydrofuran
Concen: 0.329 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.03 min
Lab File: VX008926.D
Acq: 13 Apr 2019 12:51

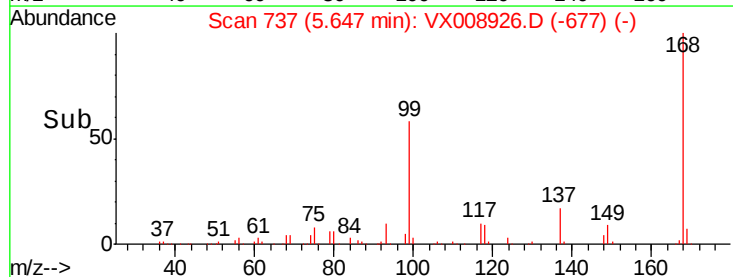
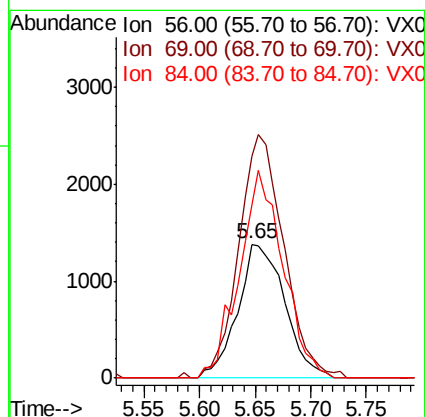
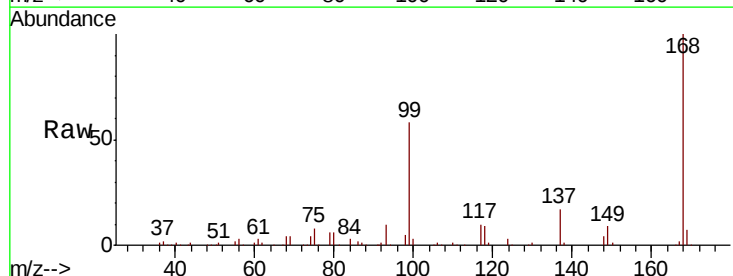
Instrument :
MSVOA_X
ClientSampleId :

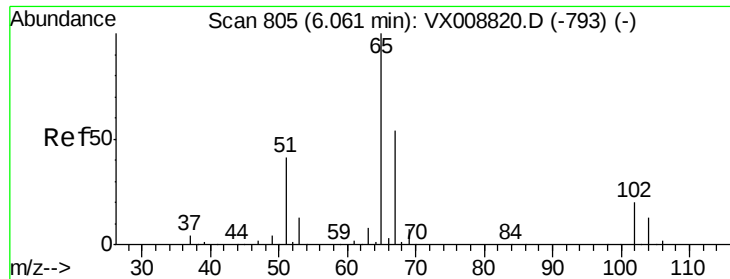
Tot Ion: 42 Resp: 533
Ion Ratio Lower Upper
42 100
72 0.0 30.5 45.7#
71 8.8 28.6 43.0#



#31
Cyclohexane
Concen: 0.878 ug/l
RT: 5.65 min Scan# 737
Delta R.T. 0.07 min
Lab File: VX008926.D
Acq: 13 Apr 2019 12:51

Tgt Ion: 56 Resp: 4064
Ion Ratio Lower Upper
56 100
69 166.0 22.6 33.8#
84 129.9 59.3 88.9#





#33

1,2-Dichloroethane-d4

Concen: 43.645 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008926.D

Acq: 13 Apr 2019 12:51

Instrument :

MSVOA_X

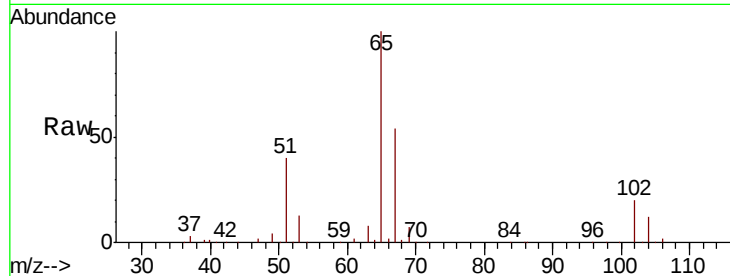
ClientSampled :

Tot Ion: 65 Resp: 116940

Ion Ratio Lower Upper

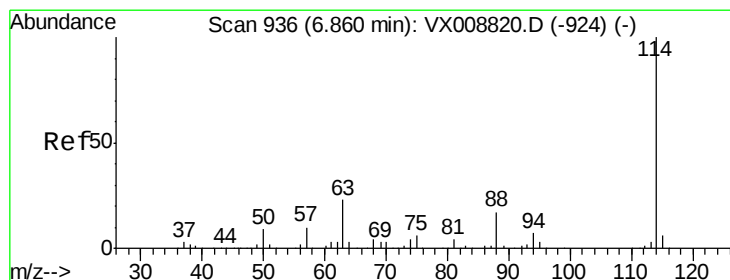
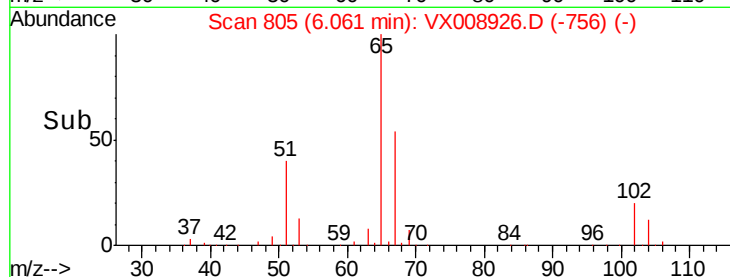
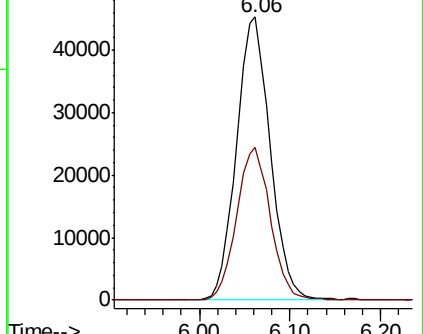
65 100

67 54.2 0.0 107.2



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: VX008926.D

Acq: 13 Apr 2019 12:51

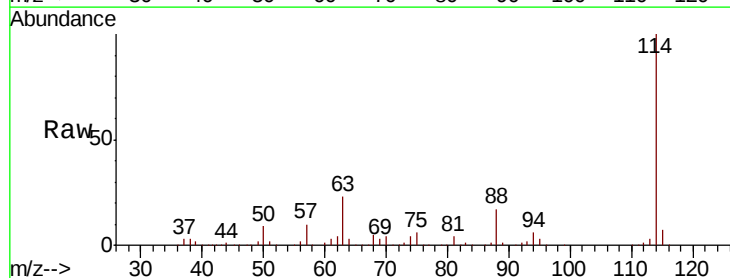
Tgt Ion: 114 Resp: 292763

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.2

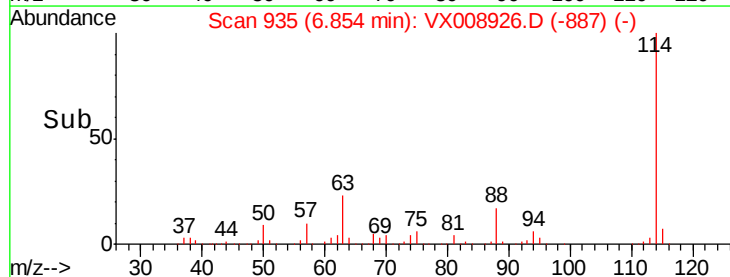
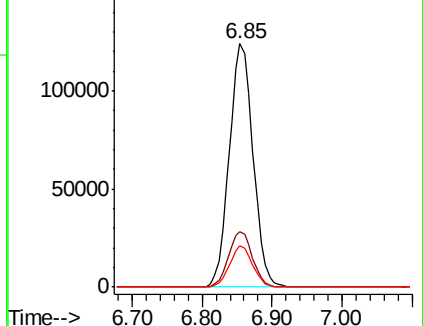
88 17.0 0.0 34.0

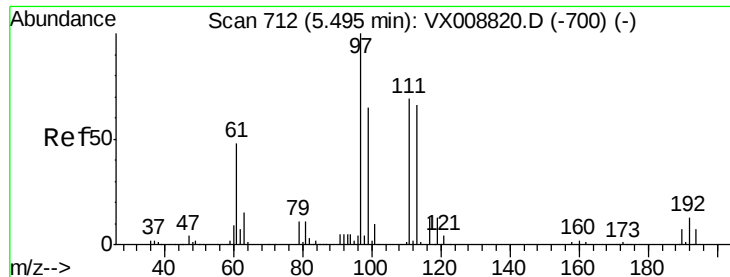


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

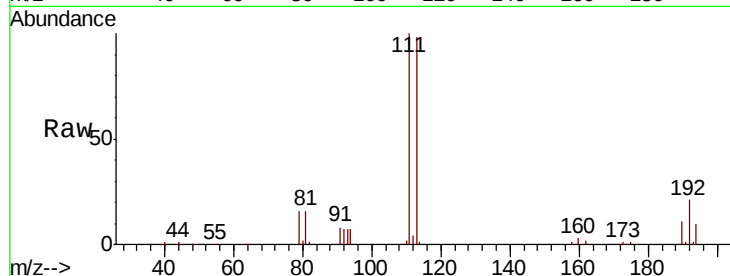




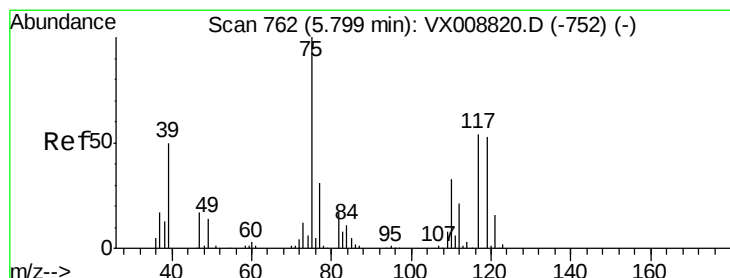
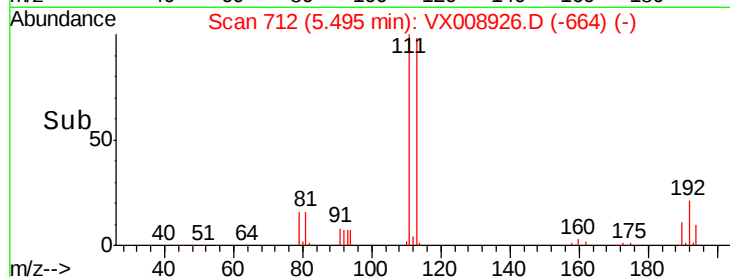
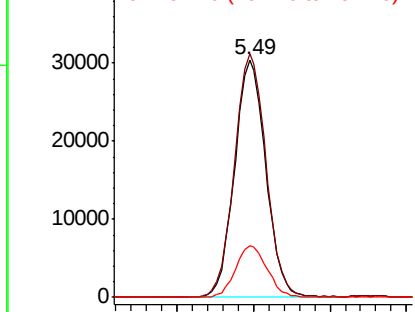
#35
 Dibromofluoromethane
 Concen: 46.198 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008926.D
 Acq: 13 Apr 2019 12:51

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:113 Resp: 86474
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.2
 192 21.8 16.1 24.1

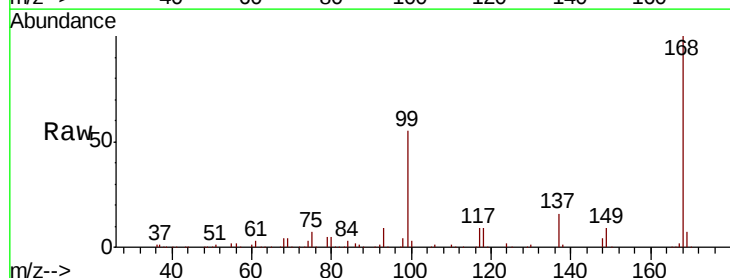


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

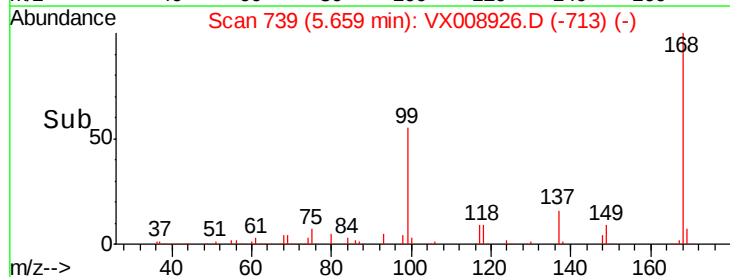
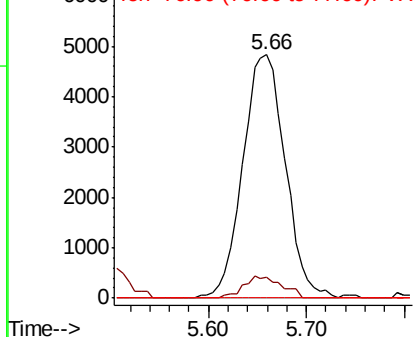


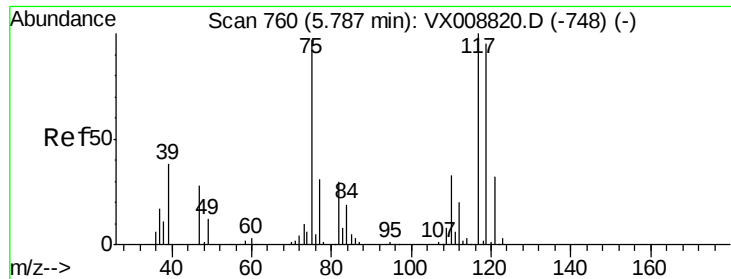
#36
 1,1-Dichloropropene
 Concen: 4.544 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008926.D
 Acq: 13 Apr 2019 12:51

Tgt Ion: 75 Resp: 14542
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.4 49.2#
 77 0.0 24.7 37.1#



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: 6.692 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX008926.D

Acq: 13 Apr 2019 12:51

Instrument :

MSVOA_X

ClientSampleId :

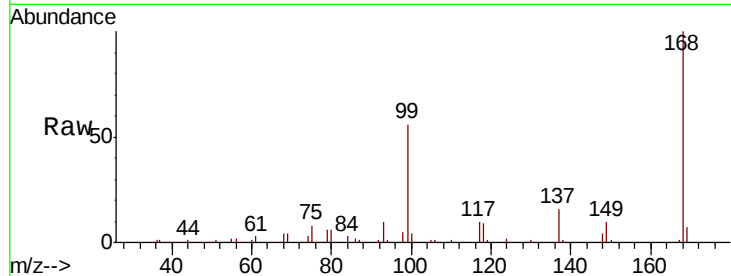
Tot Ion:117 Resp: 17726

Ion Ratio Lower Upper

117 100

119 6.9 75.0 112.6#

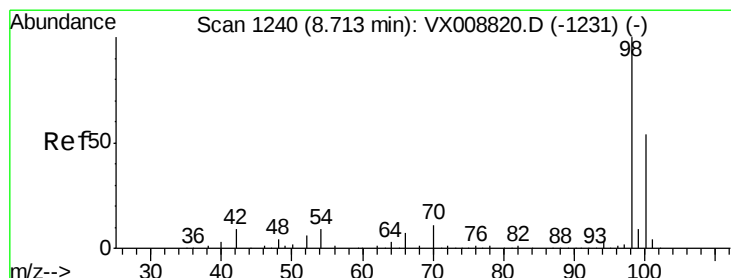
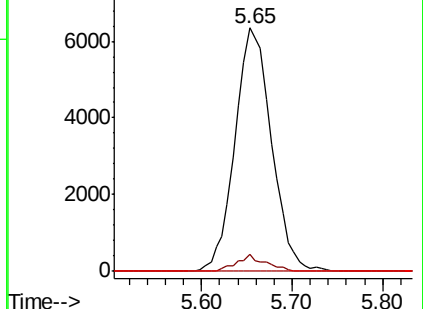
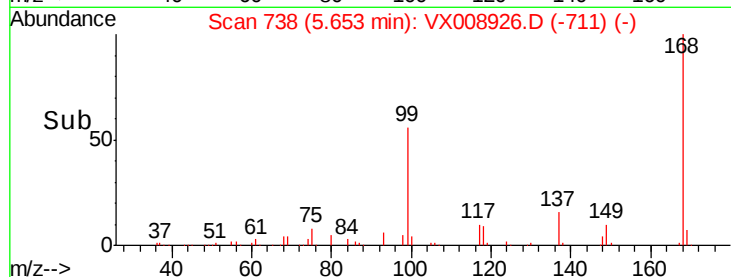
121 0.0 24.3 36.5#



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: 48.514 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008926.D

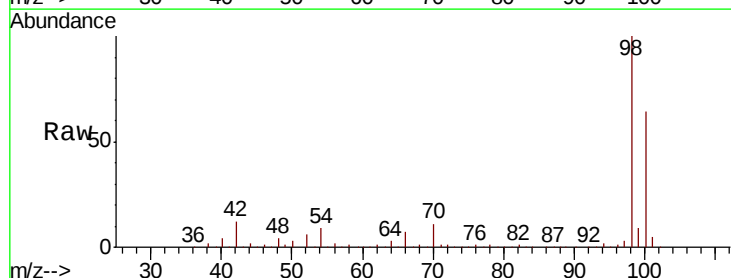
Acq: 13 Apr 2019 12:51

Tgt Ion: 98 Resp: 361576

Ion Ratio Lower Upper

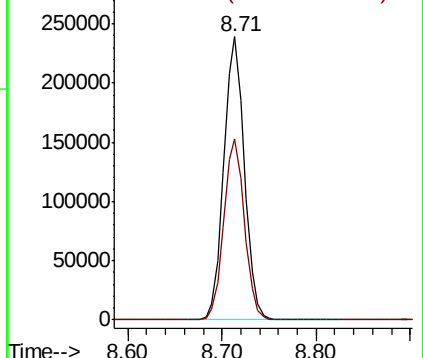
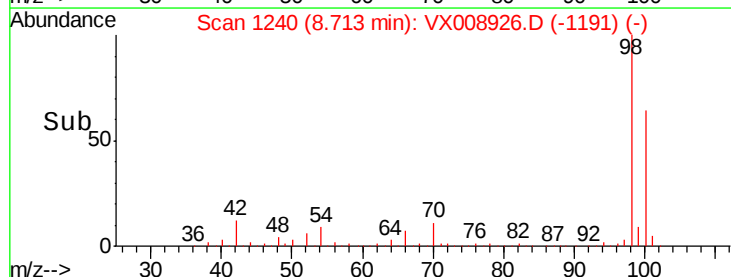
98 100

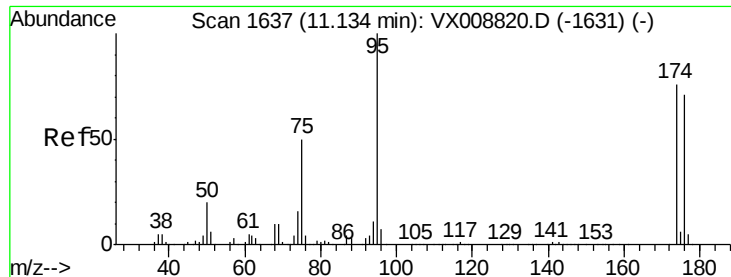
100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.042 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008926.D

Acq: 13 Apr 2019 12:51

Instrument :

MSVOA_X

ClientSampleId :

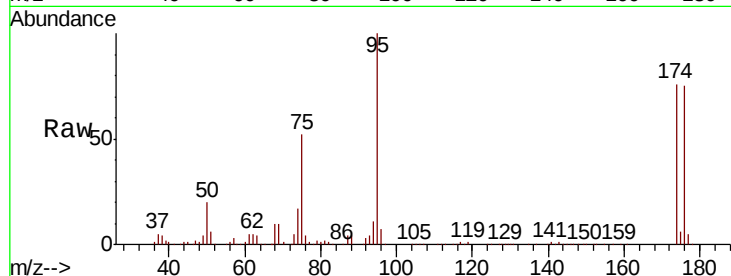
Tot Ion: 95 Resp: 121687

Ion Ratio Lower Upper

95 100

174 79.8 0.0 151.8

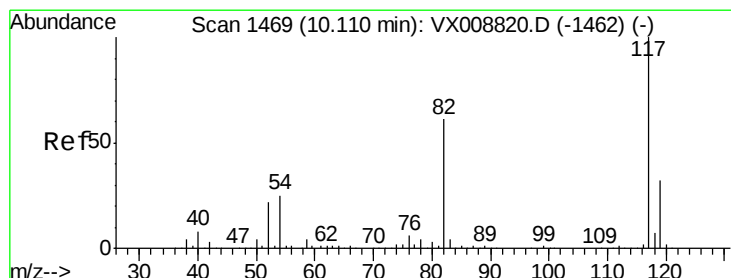
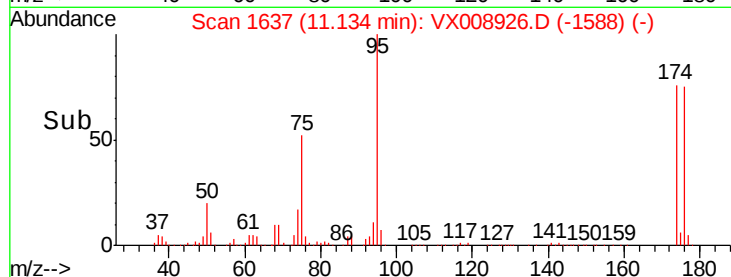
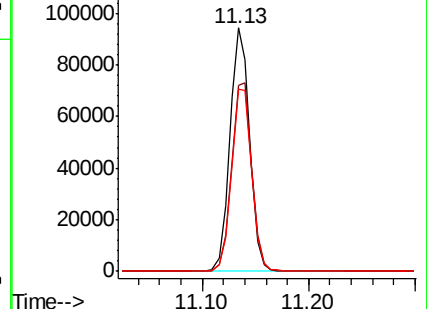
176 77.1 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008820.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX008820.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX008820.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008926.D

Acq: 13 Apr 2019 12:51

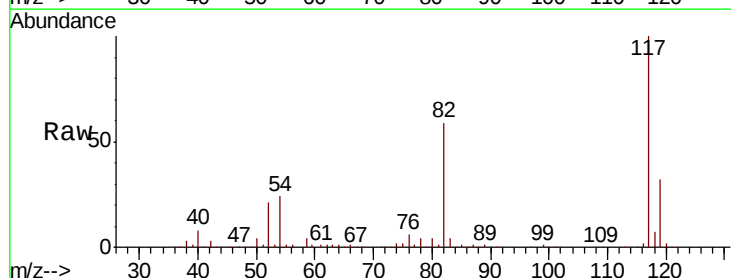
Tgt Ion: 117 Resp: 252064

Ion Ratio Lower Upper

117 100

82 59.1 49.6 74.4

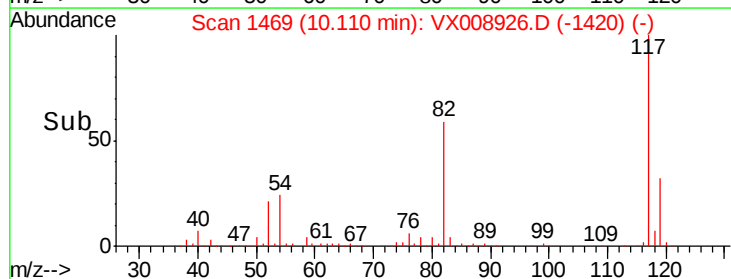
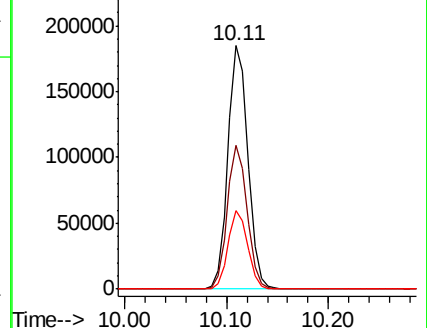
119 32.2 25.0 37.4

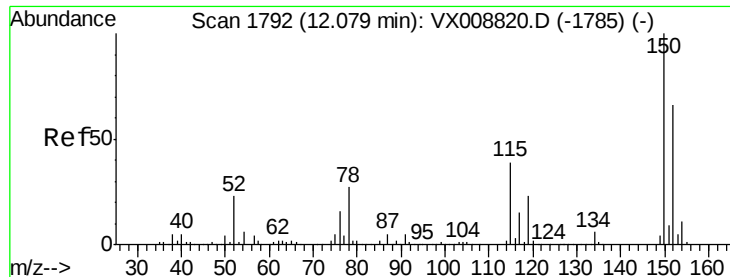


Abundance Ion 116.90 (116.60 to 117.60): VX008820.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008820.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008820.D (-1462) (-)



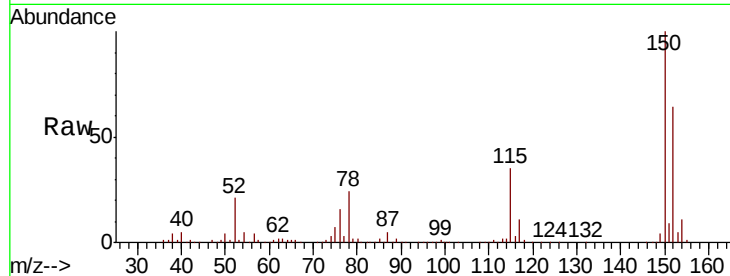


#72

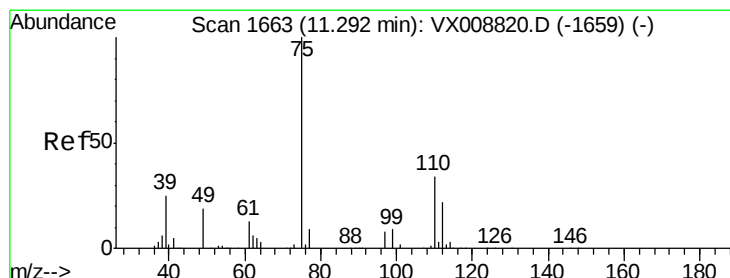
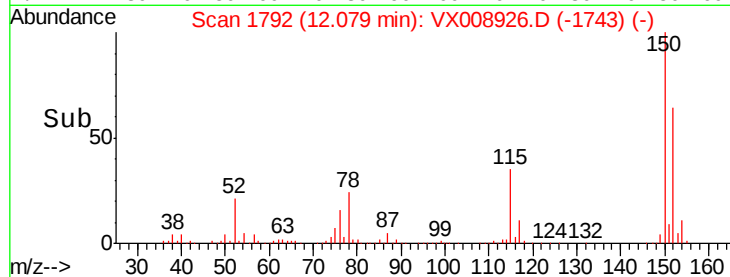
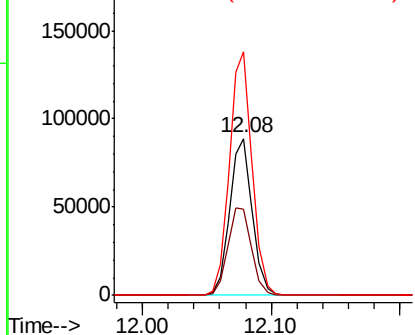
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008926.D
Acq: 13 Apr 2019 12:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 108946
Ion Ratio Lower Upper
152 100
115 58.7 43.5 130.5
150 156.5 0.0 348.8



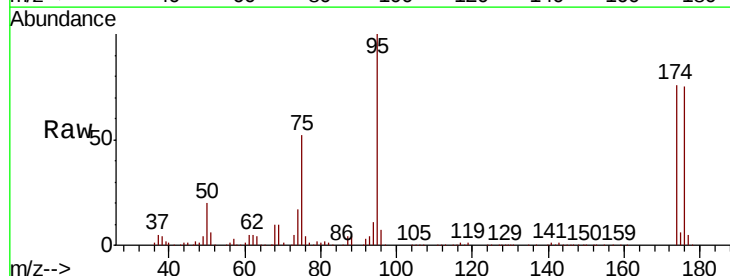
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



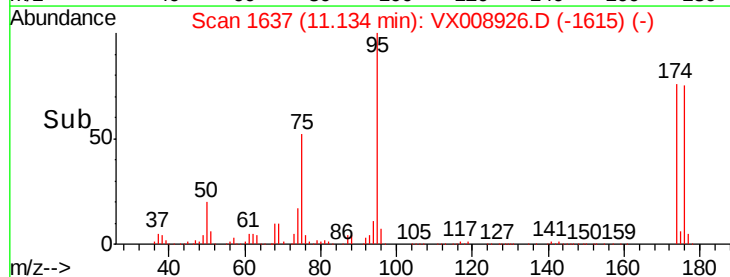
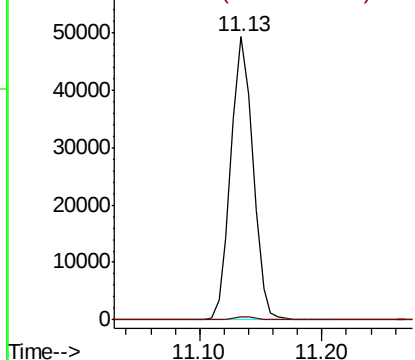
#76

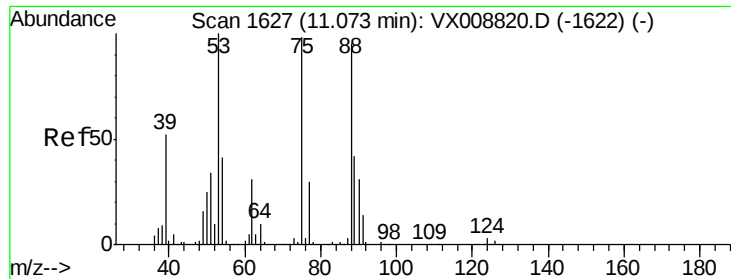
1,2,3-Trichloropropane
Concen: 20.545 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008926.D
Acq: 13 Apr 2019 12:51

Tgt Ion: 75 Resp: 61488
Ion Ratio Lower Upper
75 100
77 1.3 22.3 66.8#



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: 56.633 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008926.D

Acq: 13 Apr 2019 12:51

Instrument :

MSVOA_X

ClientSampleId :

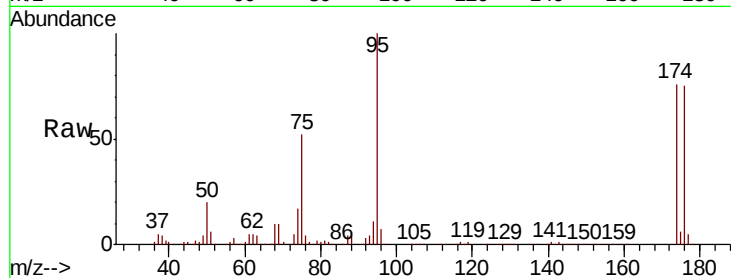
Tot Ion: 75 Resp: 61488

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



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

