

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021220\
 Data File : VX014929.D
 Acq On : 12 Feb 2020 16:31
 Operator : JC/SP
 Sample : L1503-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 13 03:36:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	423920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	668745	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	633597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	341052	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	243521	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
35) Dibromofluoromethane	5.49	113	205129	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
50) Toluene-d8	8.71	98	794745	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.13	95	298646	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	

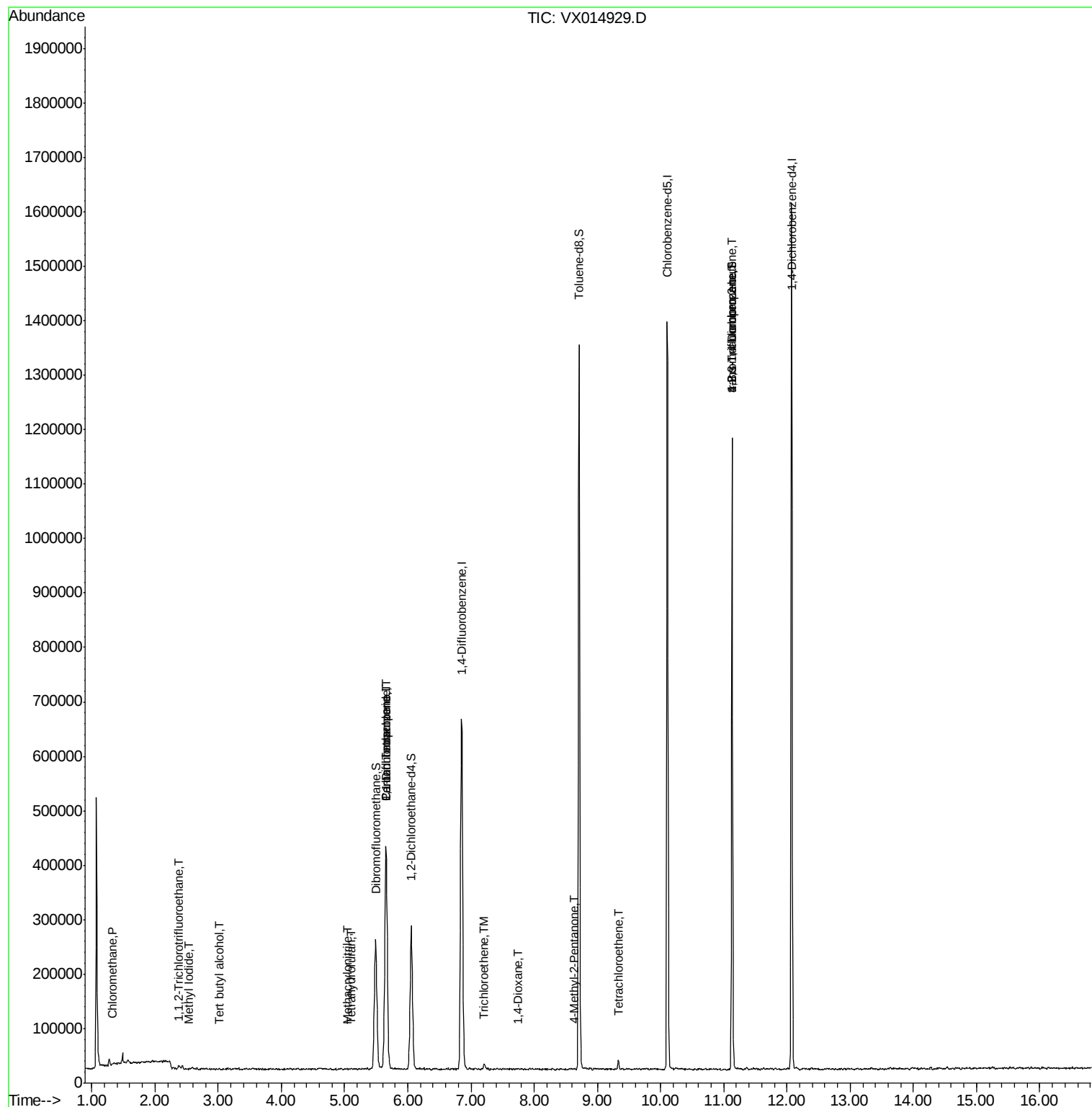
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1667	0.366	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2869	0.722	ug/l	93
10) Methyl Iodide	2.53	142	526	4.477	ug/l #	34
11) Tert butyl alcohol	3.01	59	431	0.510	ug/l #	72
16) Acetone	2.43	43	8632	Below Cal		93
29) Tetrahydrofuran	5.11	42	466	0.252	ug/l #	58
36) 1,1-Dichloropropene	5.65	75	27734	4.636	ug/l #	51
38) Carbon Tetrachloride	5.65	117	37756	6.476	ug/l #	16
41) Methacrylonitrile	5.06	41	908	0.270	ug/l #	30
44) Trichloroethene	7.21	130	4452	0.858	ug/l	89
49) 1,4-Dioxane	7.75	88	406	4.287	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	1382	0.222	ug/l #	78
64) Tetrachloroethene	9.33	164	3228	0.545	ug/l	87
76) 1,2,3-Trichloropropane	11.13	75	149971	24.317	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	149971	62.244	ug/l #	12

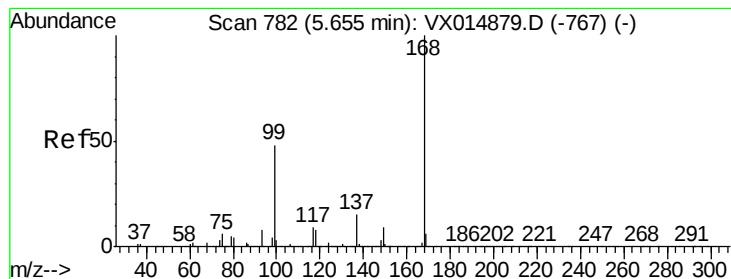
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021220\
Data File : VX014929.D
Acq On : 12 Feb 2020 16:31
Operator : JC/SP
Sample : L1503-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Feb 13 03:36:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014929.D

Acq: 12 Feb 2020 16:31

Instrument :

MSVOA_X

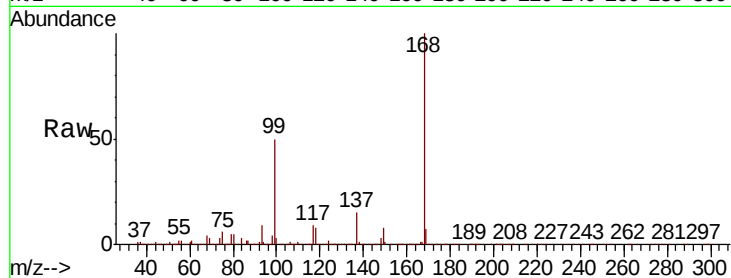
ClientSampleId :

Tot Ion:168 Resp: 423920

Ion Ratio Lower Upper

168 100

99 49.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

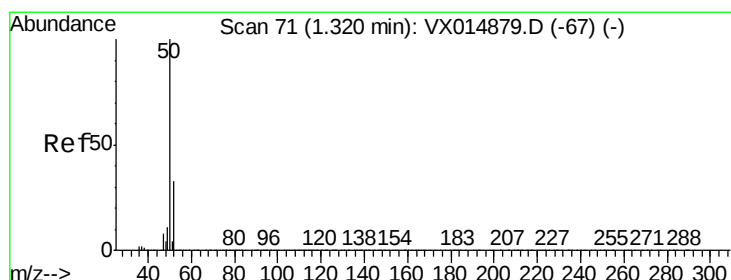
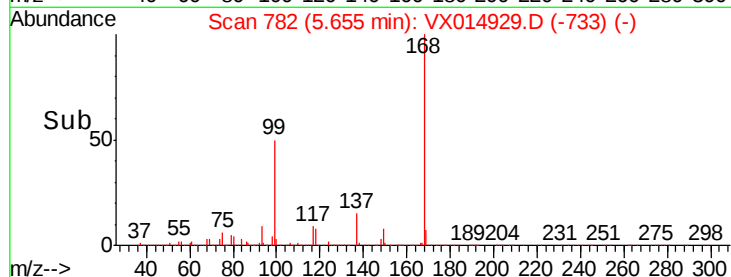
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.366 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014929.D

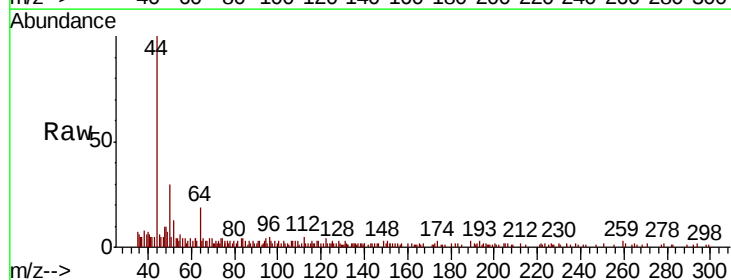
Acq: 12 Feb 2020 16:31

Tgt Ion: 50 Resp: 1667

Ion Ratio Lower Upper

50 100

52 39.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1500

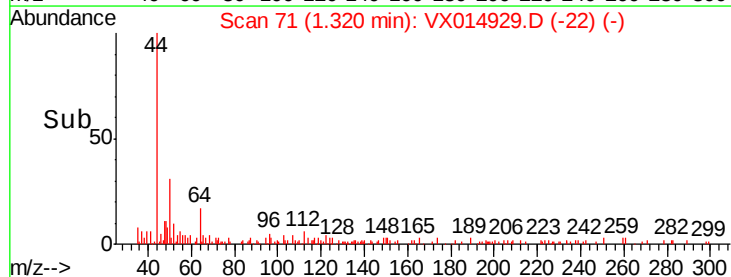
1000

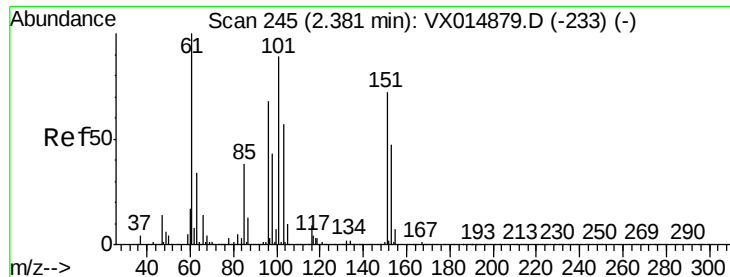
500

0

Time-->

1.30 1.35





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.722 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX014929.D

Acq: 12 Feb 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

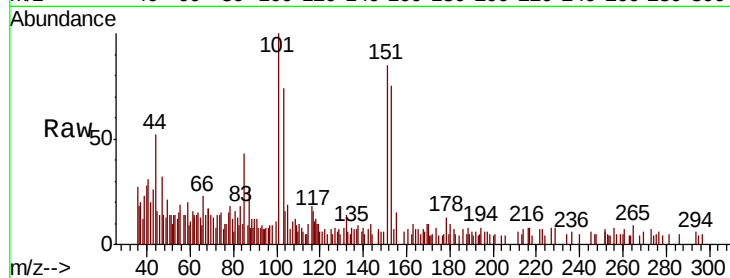
Tot Ion:101 Resp: 2869

Ion Ratio Lower Upper

101 100

85 44.3 34.1 51.1

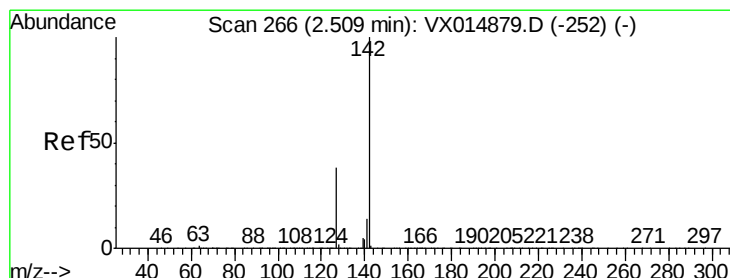
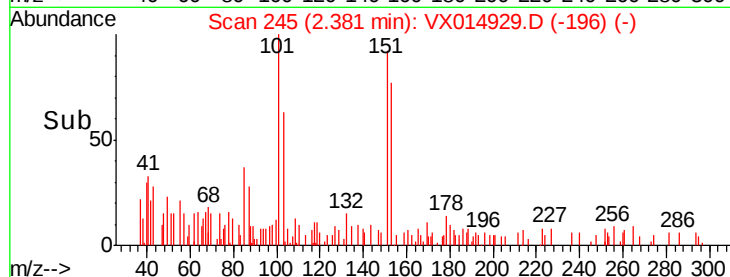
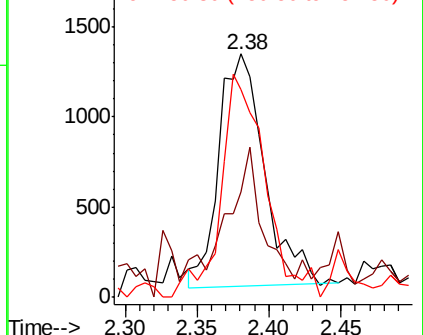
151 92.9 67.3 100.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.477 ug/l

RT: 2.53 min Scan# 270

Delta R.T. 0.03 min

Lab File: VX014929.D

Acq: 12 Feb 2020 16:31

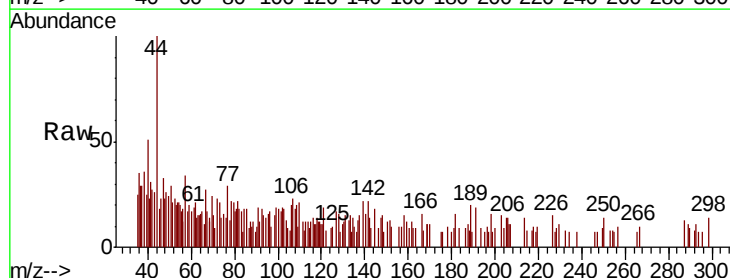
Tgt Ion:142 Resp: 526

Ion Ratio Lower Upper

142 100

127 0.0 31.1 46.7#

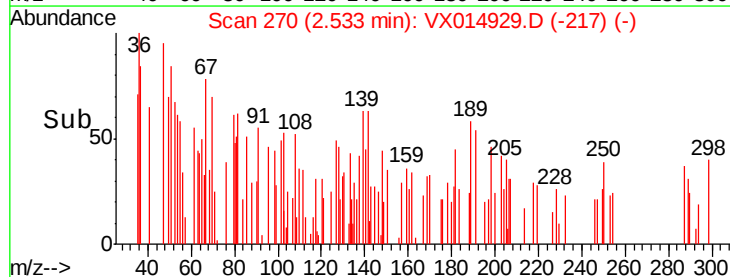
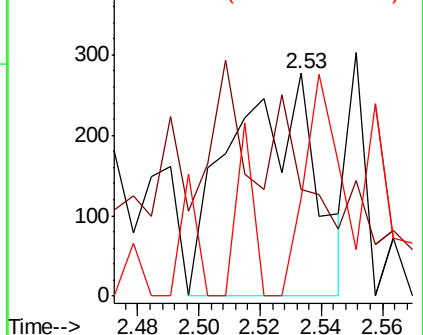
141 43.2 11.3 16.9#

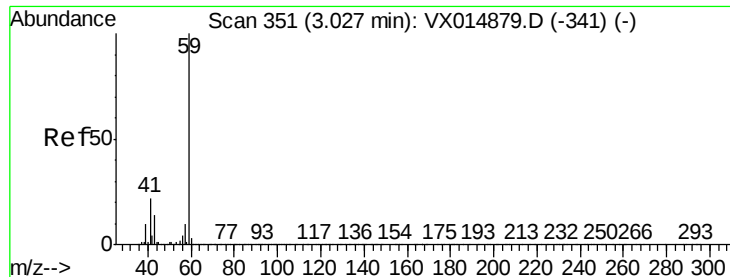


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

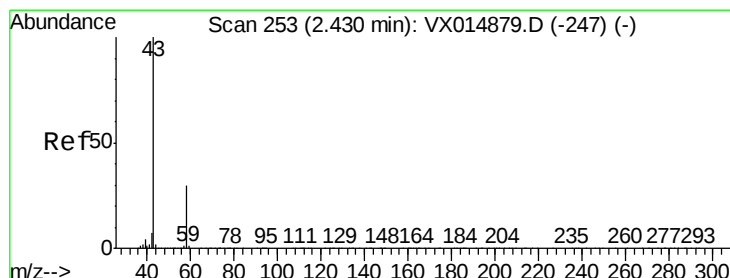
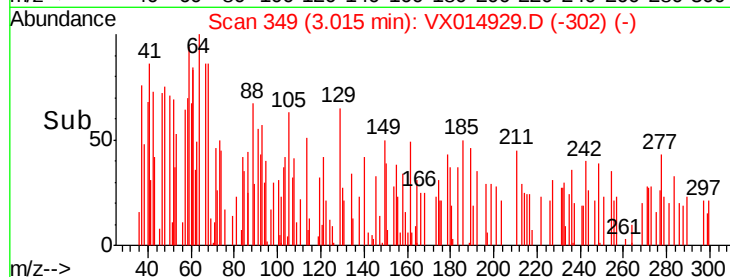
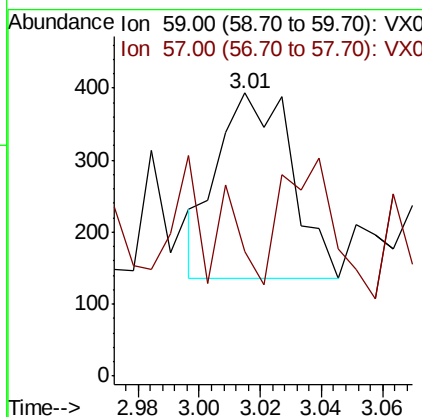
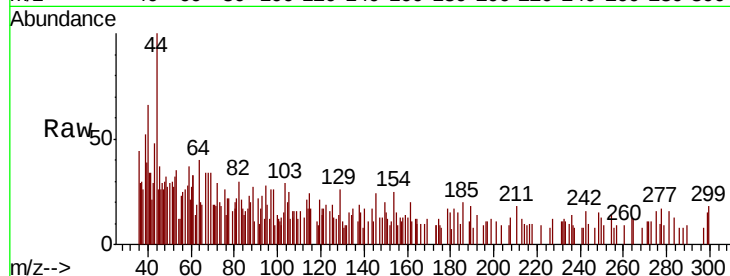




#11
Tert butyl alcohol
Concen: 0.510 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX014929.D
Acq: 12 Feb 2020 16:31

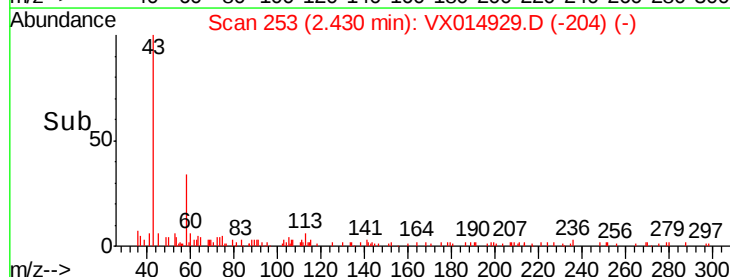
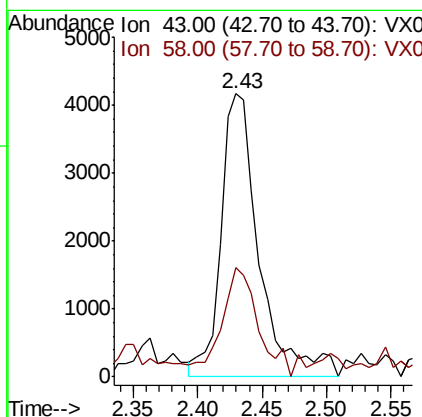
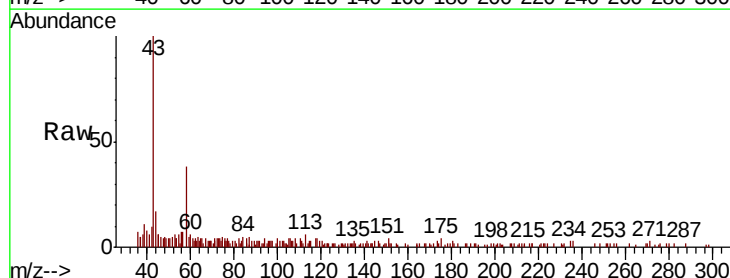
Instrument :
MSVOA_X
ClientSampled :

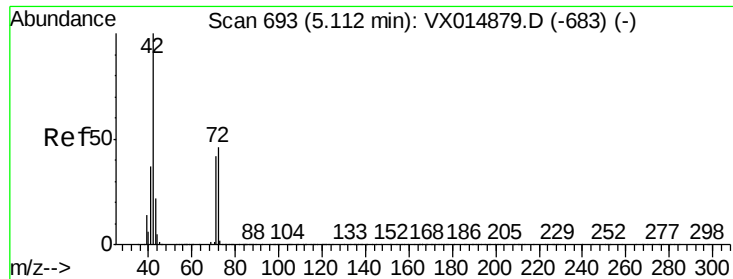
Tot Ion: 59 Resp: 431
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014929.D
Acq: 12 Feb 2020 16:31

Tgt Ion: 43 Resp: 8632
Ion Ratio Lower Upper
43 100
58 34.0 24.1 36.1

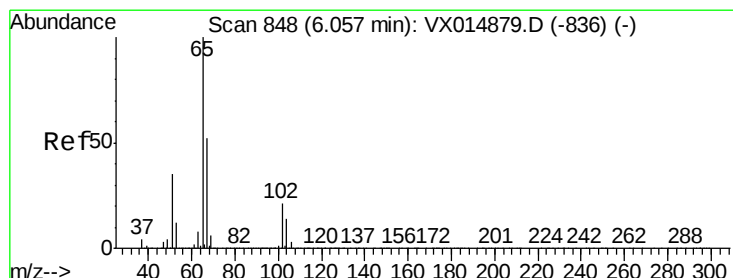
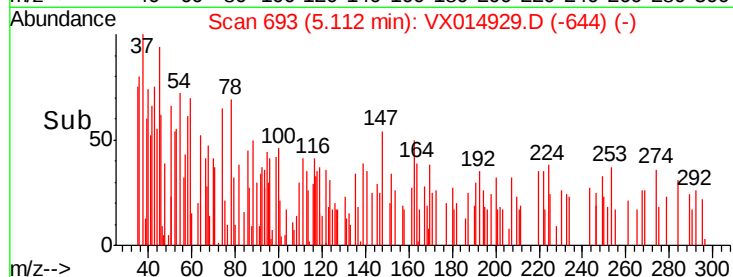
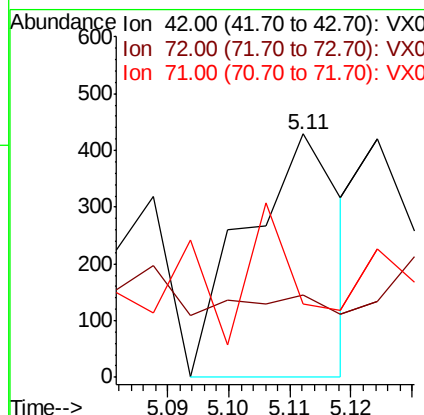
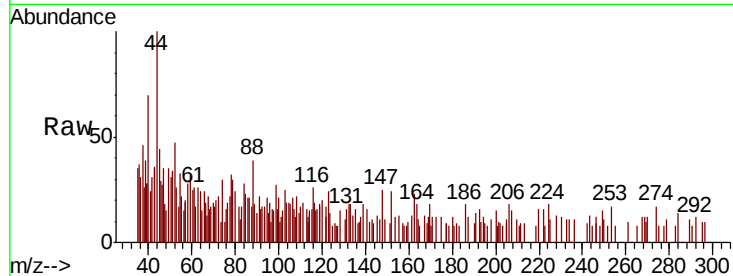




#29
Tetrahydrofuran
Concen: 0.252 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX014929.D
Acq: 12 Feb 2020 16:31

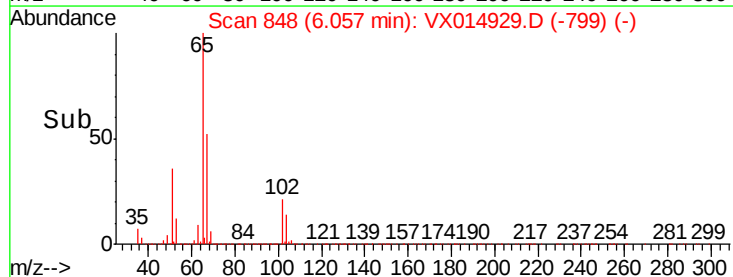
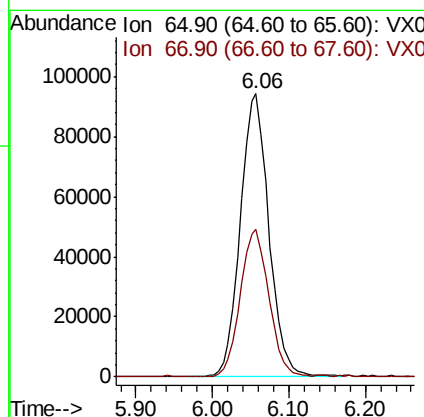
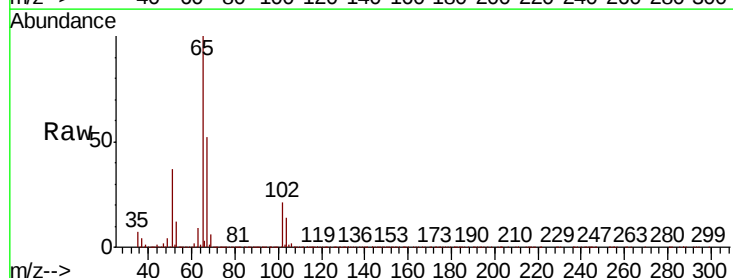
Instrument :
MSVOA_X
ClientSampled :

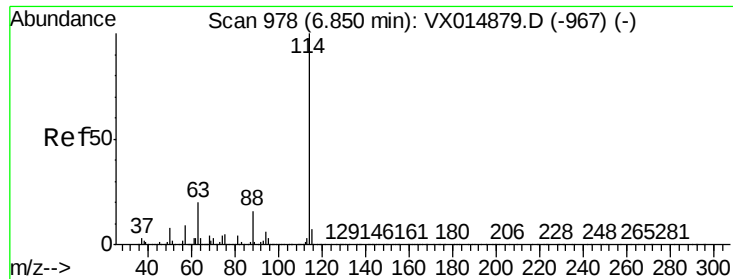
Tot Ion: 42 Resp: 466
Ion Ratio Lower Upper
42 100
72 0.0 36.9 55.3#
71 34.3 34.1 51.1



#33
1,2-Dichloroethane-d4
Concen: 50.900 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.00 min
Lab File: VX014929.D
Acq: 12 Feb 2020 16:31

Tgt Ion: 65 Resp: 243521
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014929.D

Acq: 12 Feb 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

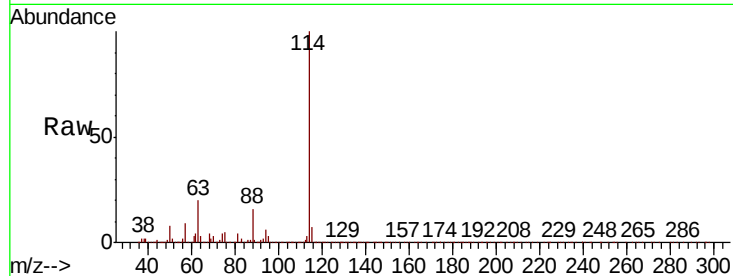
Tot Ion:114 Resp: 668745

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.2

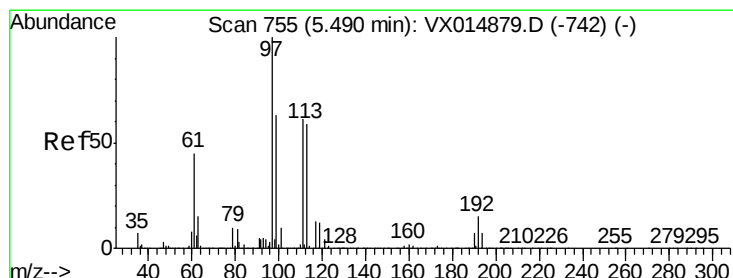
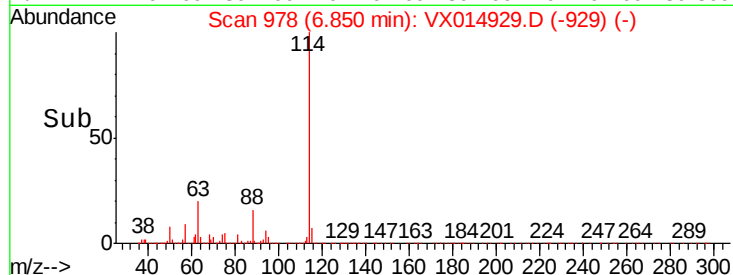
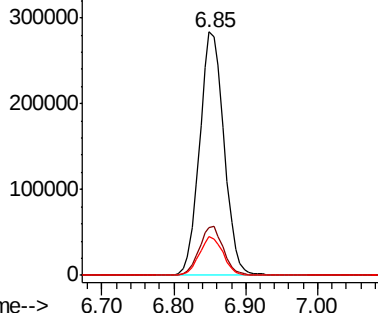
88 15.7 0.0 32.0



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: 49.894 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014929.D

Acq: 12 Feb 2020 16:31

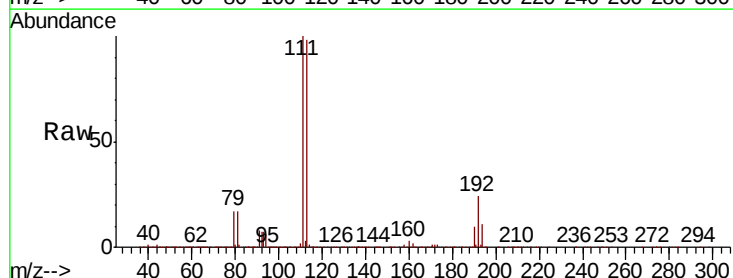
Tgt Ion:113 Resp: 205129

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

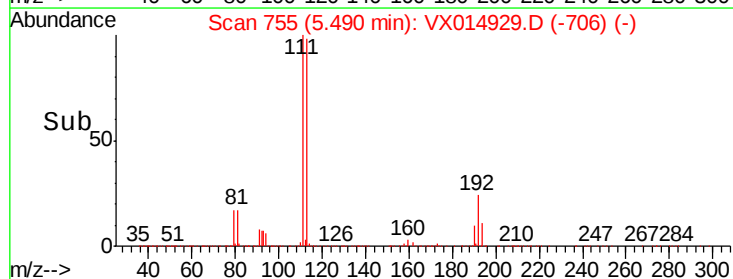
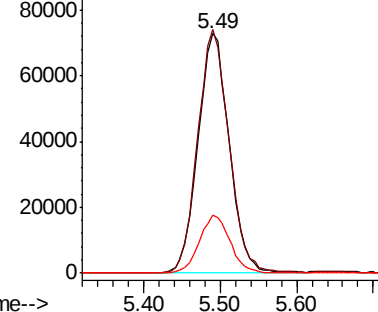
192 23.9 19.1 28.7

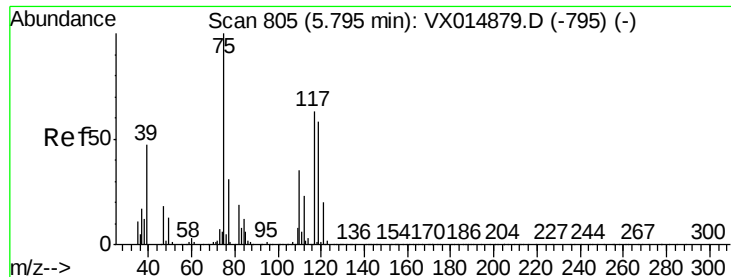


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

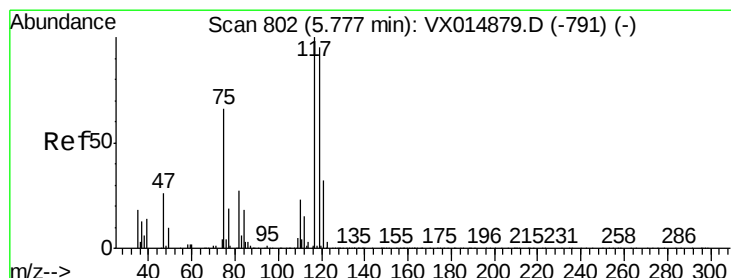
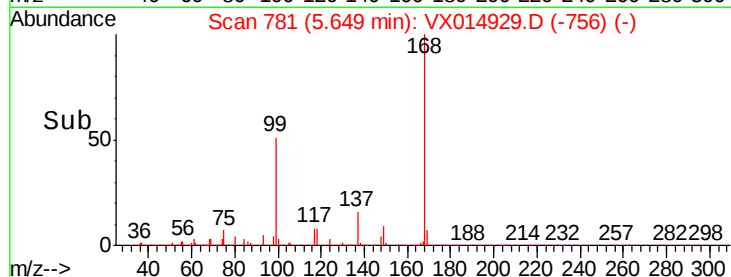
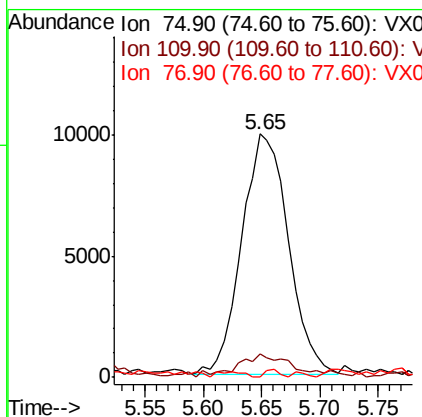
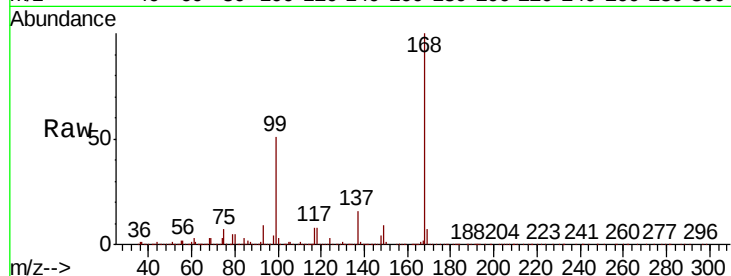




#36
 1,1-Dichloropropene
 Concen: 4.636 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014929.D
 Acq: 12 Feb 2020 16:31

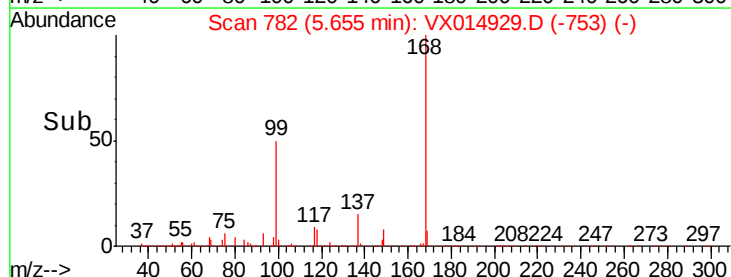
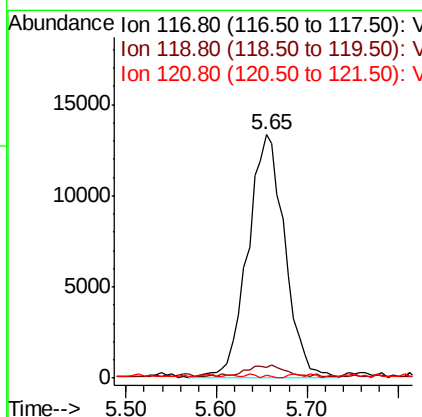
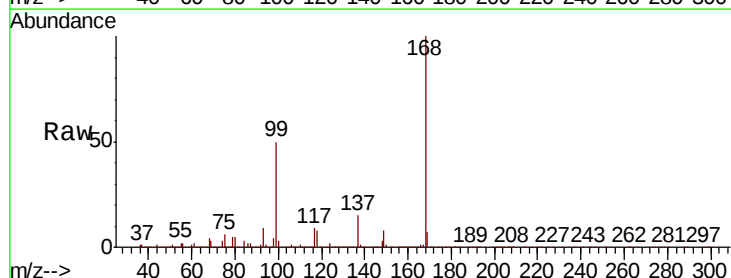
Instrument :
 MSVOA_X
 ClientSampled :

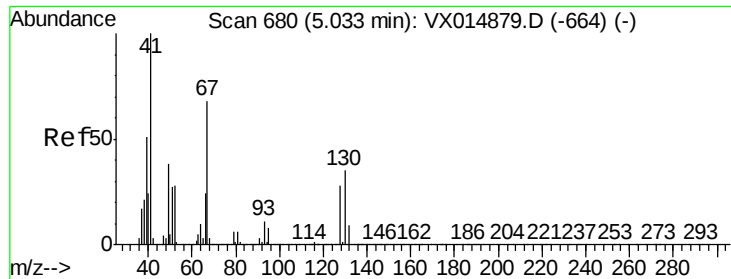
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.3	54.8#
77	0.9	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.476 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014929.D
 Acq: 12 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.0	114.0#
121	0.1	25.4	38.2#

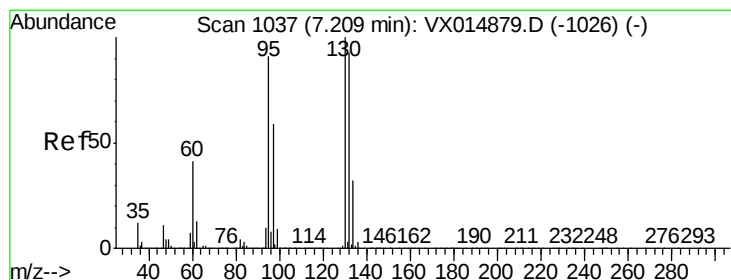
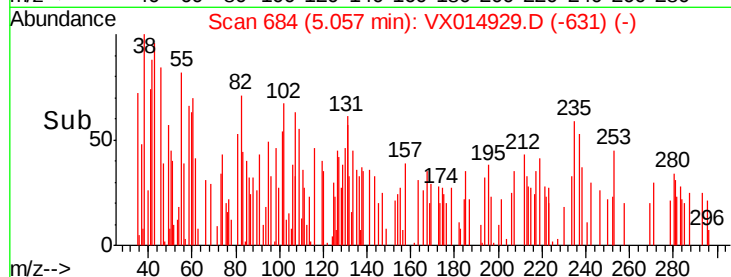
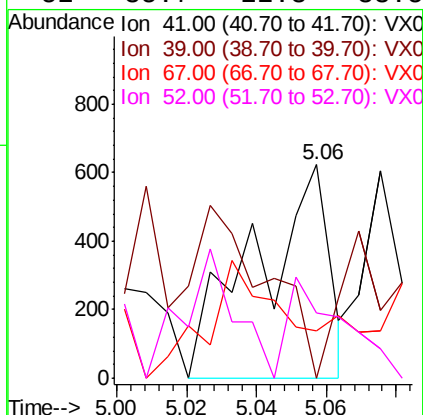
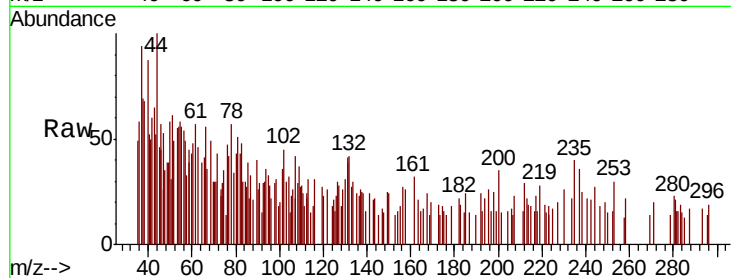




#41
Methacrylonitrile
Concen: 0.270 ug/l
RT: 5.06 min Scan# 684
Delta R.T. 0.02 min
Lab File: VX014929.D
Acq: 12 Feb 2020 16:31

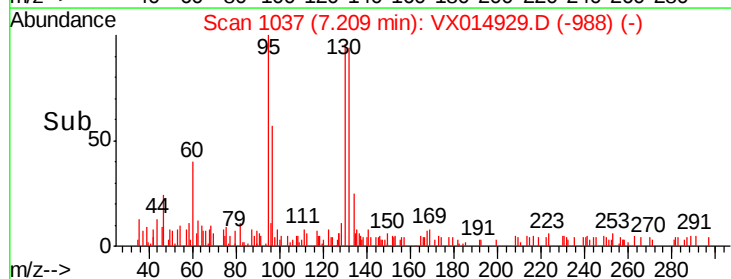
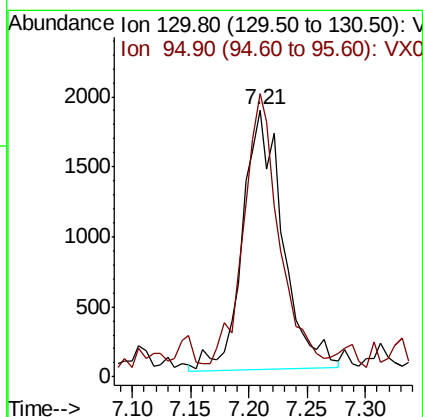
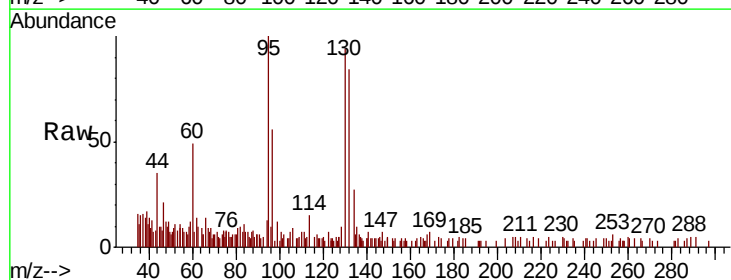
Instrument :
MSVOA_X
ClientSampled :

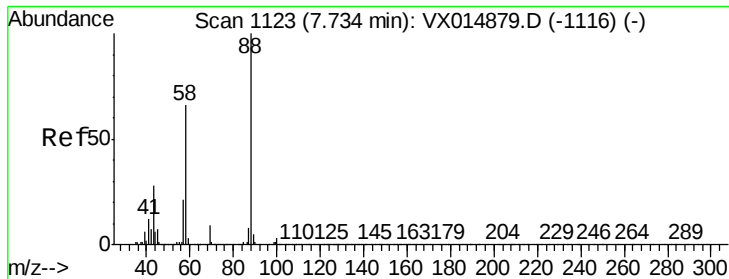
Tot Ion: 41 Resp: 908
Ion Ratio Lower Upper
41 100
39 0.0 44.7 67.1#
67 0.0 56.6 84.8#
52 35.7 22.3 33.5#



#44
Trichloroethene
Concen: 0.858 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VX014929.D
Acq: 12 Feb 2020 16:31

Tgt Ion: 130 Resp: 4452
Ion Ratio Lower Upper
130 100
95 101.9 0.0 182.6





#49

1,4-Dioxane

Concen: 4.287 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX014929.D

Acq: 12 Feb 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

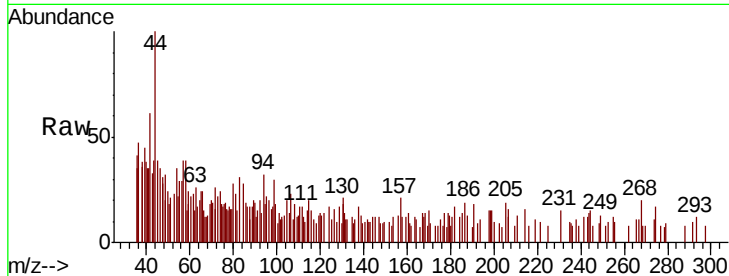
Tot Ion: 88 Resp: 406

Ion Ratio Lower Upper

88 100

43 135.2 27.0 40.4#

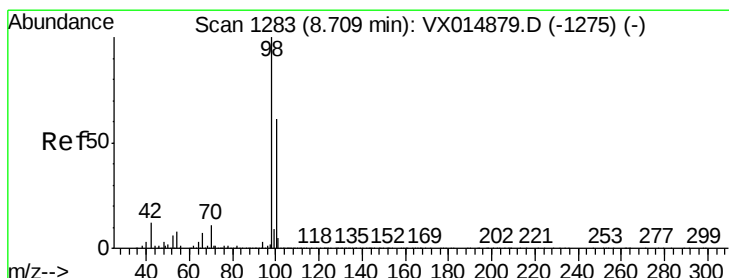
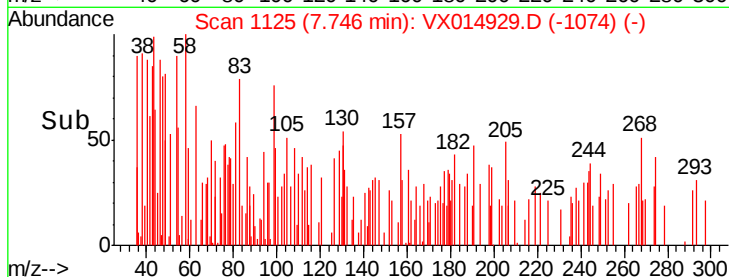
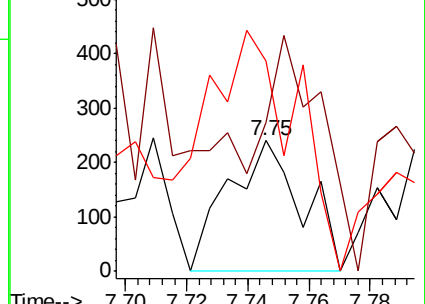
58 220.4 53.2 79.8#



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: 50.643 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014929.D

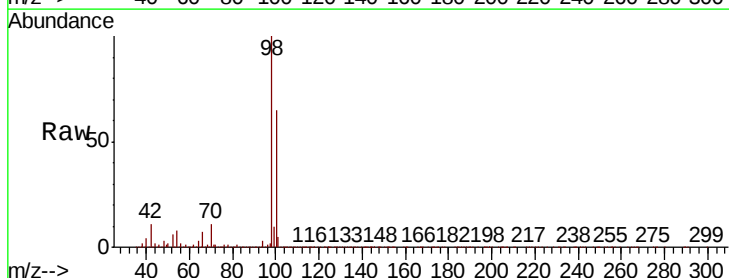
Acq: 12 Feb 2020 16:31

Tgt Ion: 98 Resp: 794745

Ion Ratio Lower Upper

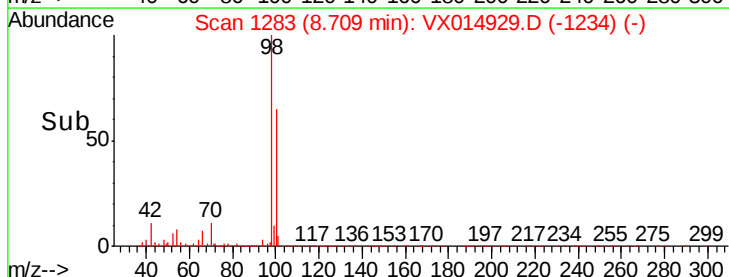
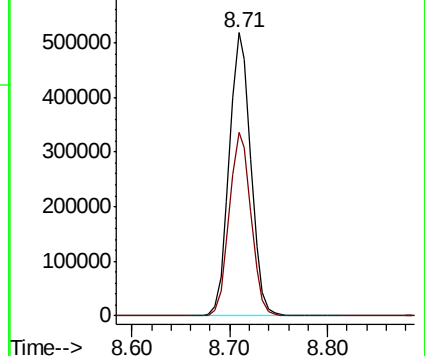
98 100

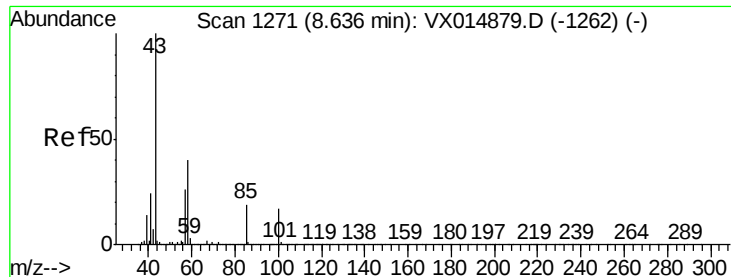
100 65.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

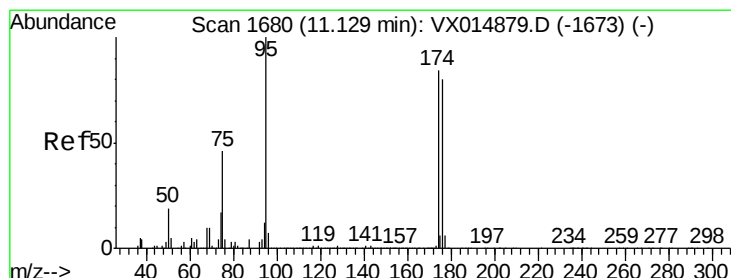
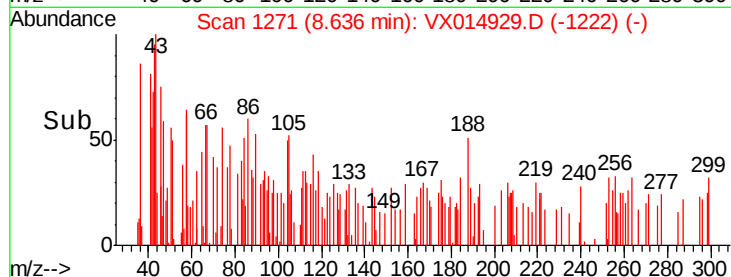
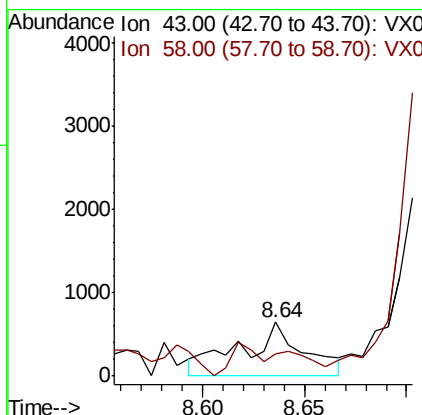
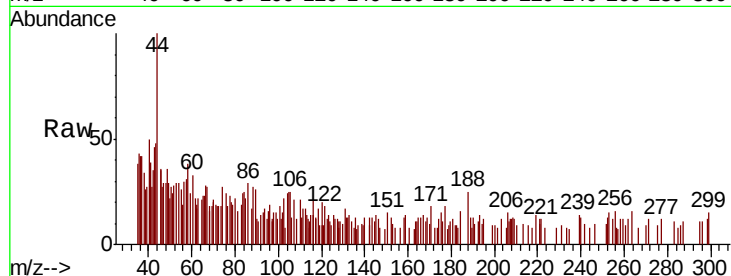




#51
4-Methyl-2-Pentanone
Concen: 0.222 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014929.D
Acq: 12 Feb 2020 16:31

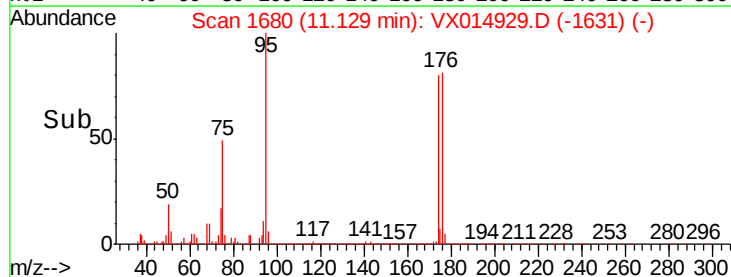
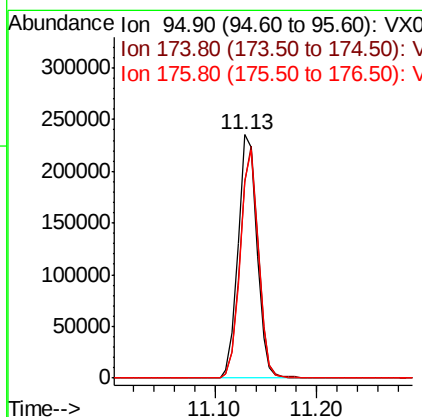
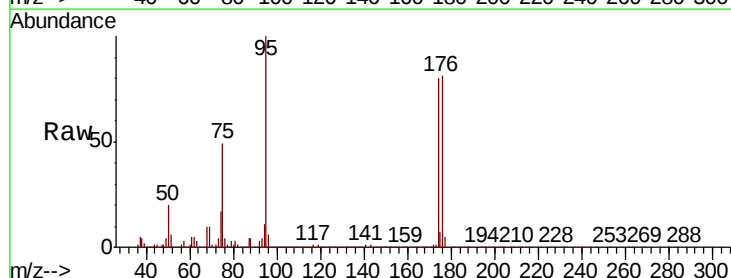
Instrument :
MSVOA_X
ClientSampleId :

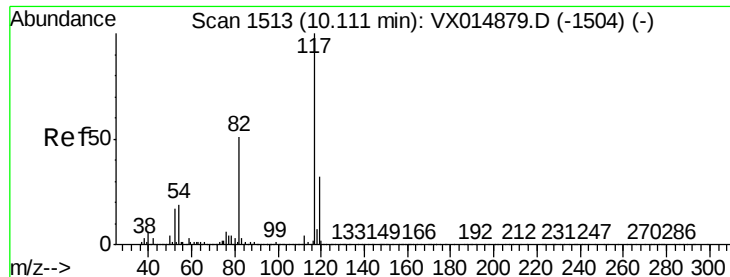
Tot Ion: 43 Resp: 1382
Ion Ratio Lower Upper
43 100
58 26.2 31.9 47.9#



#62
4-Bromofluorobenzene
Concen: 52.828 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014929.D
Acq: 12 Feb 2020 16:31

Tgt Ion: 95 Resp: 298646
Ion Ratio Lower Upper
95 100
174 91.8 0.0 183.0
176 90.2 0.0 178.0

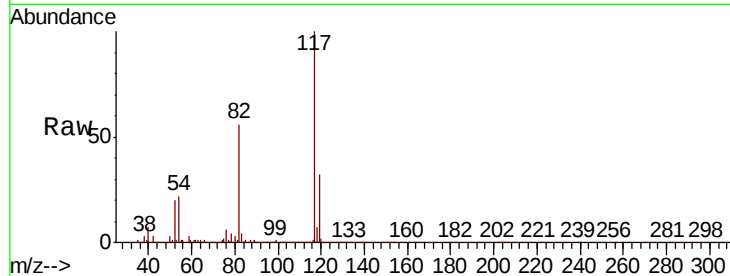




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014929.D
Acq: 12 Feb 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	40.5	60.7
119	32.3	25.8	38.6

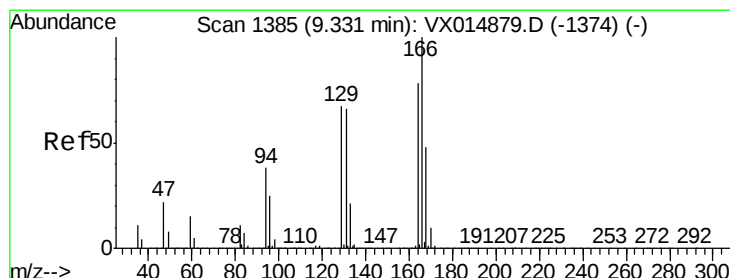
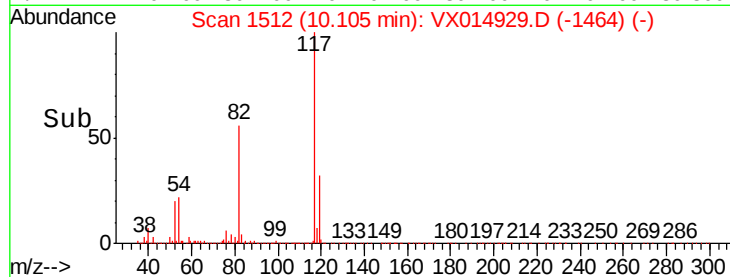
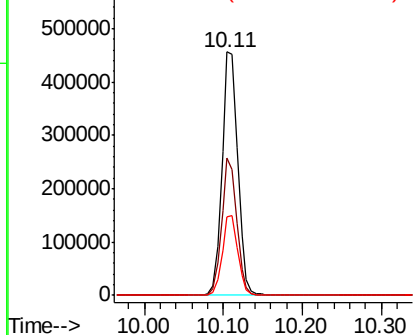


Abundance

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



#64
Tetrachloroethene
Concen: 0.545 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014929.D
Acq: 12 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	104.2	102.6	153.8
129	80.8	68.3	102.5
131	76.3	67.4	101.2

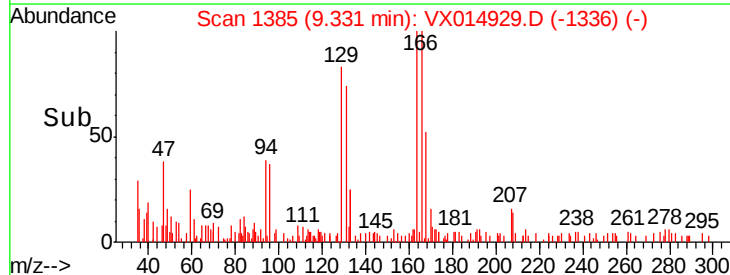
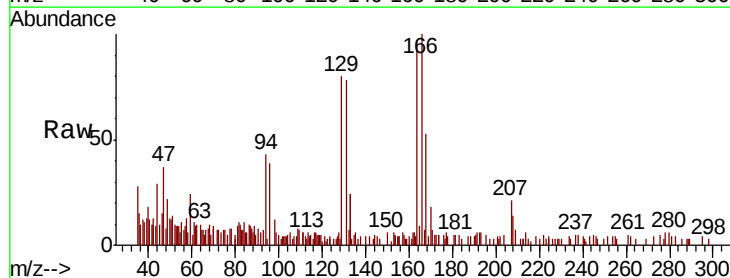
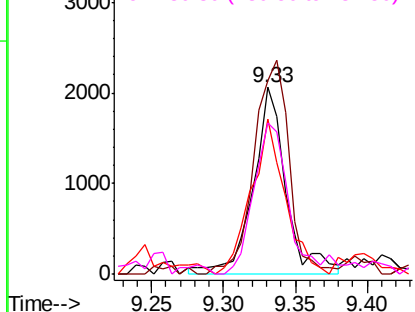
Abundance

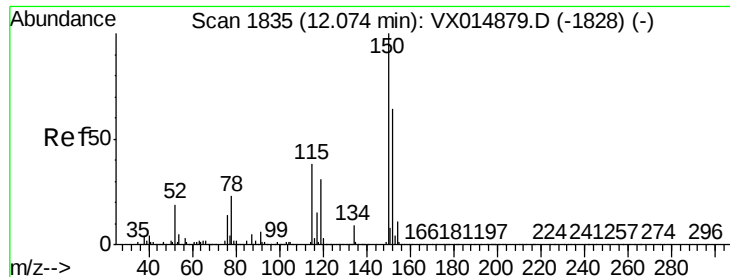
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014929.D

Acq: 12 Feb 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

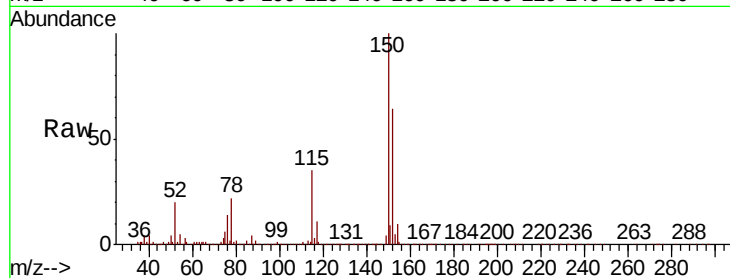
Tot Ion:152 Resp: 341052

Ion Ratio Lower Upper

152 100

115 54.2 38.6 116.0

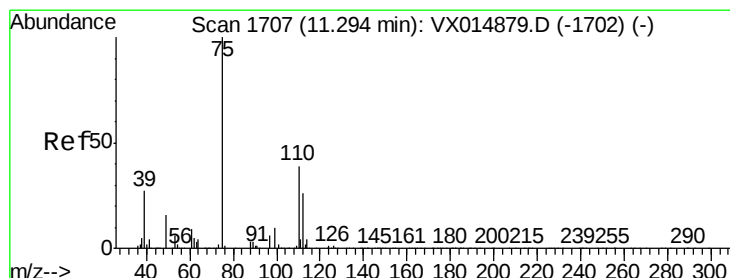
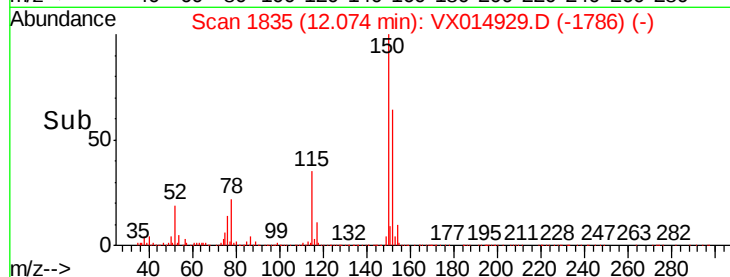
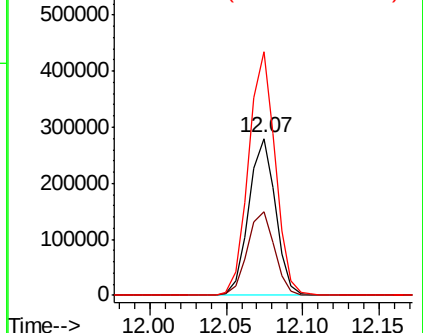
150 154.7 0.0 349.0



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: 24.317 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014929.D

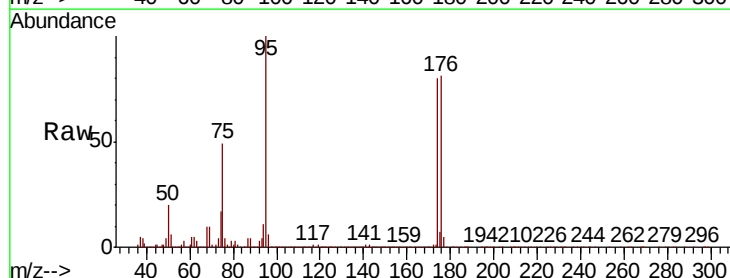
Acq: 12 Feb 2020 16:31

Tgt Ion: 75 Resp: 149971

Ion Ratio Lower Upper

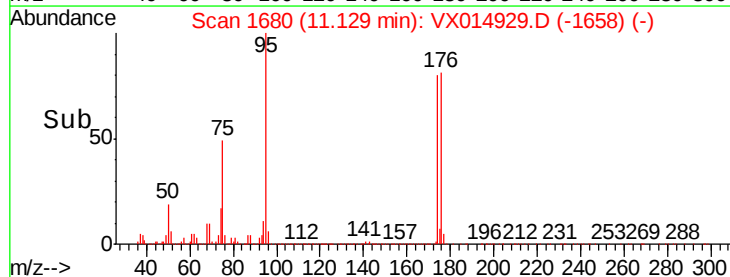
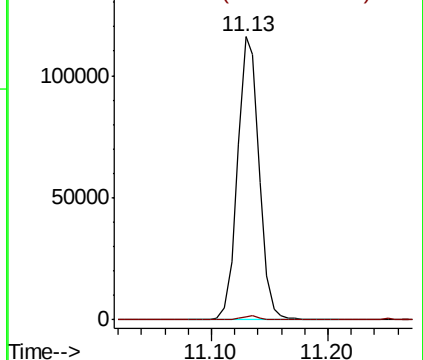
75 100

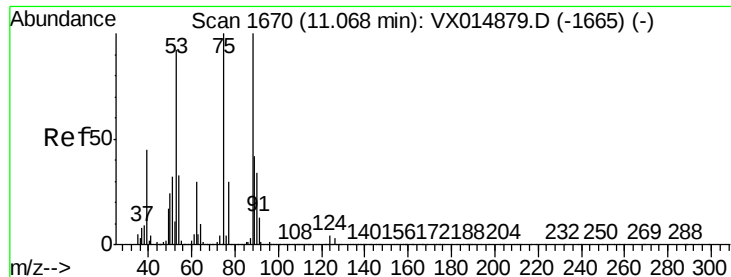
77 1.4 18.4 55.0#



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: 62.244 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014929.D

Acq: 12 Feb 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

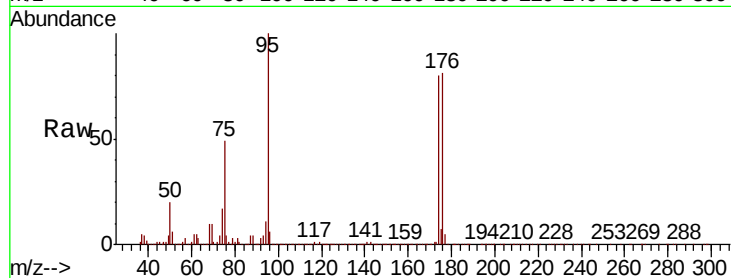
Tot Ion: 75 Resp: 149971

Ion Ratio Lower Upper

75 100

53 0.3 76.2 114.2#

89 0.1 35.8 53.6#



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

