

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022620\
 Data File : VX015024.D
 Acq On : 26 Feb 2020 16:30
 Operator : JC/SP
 Sample : L1683-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 27 02:56:53 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

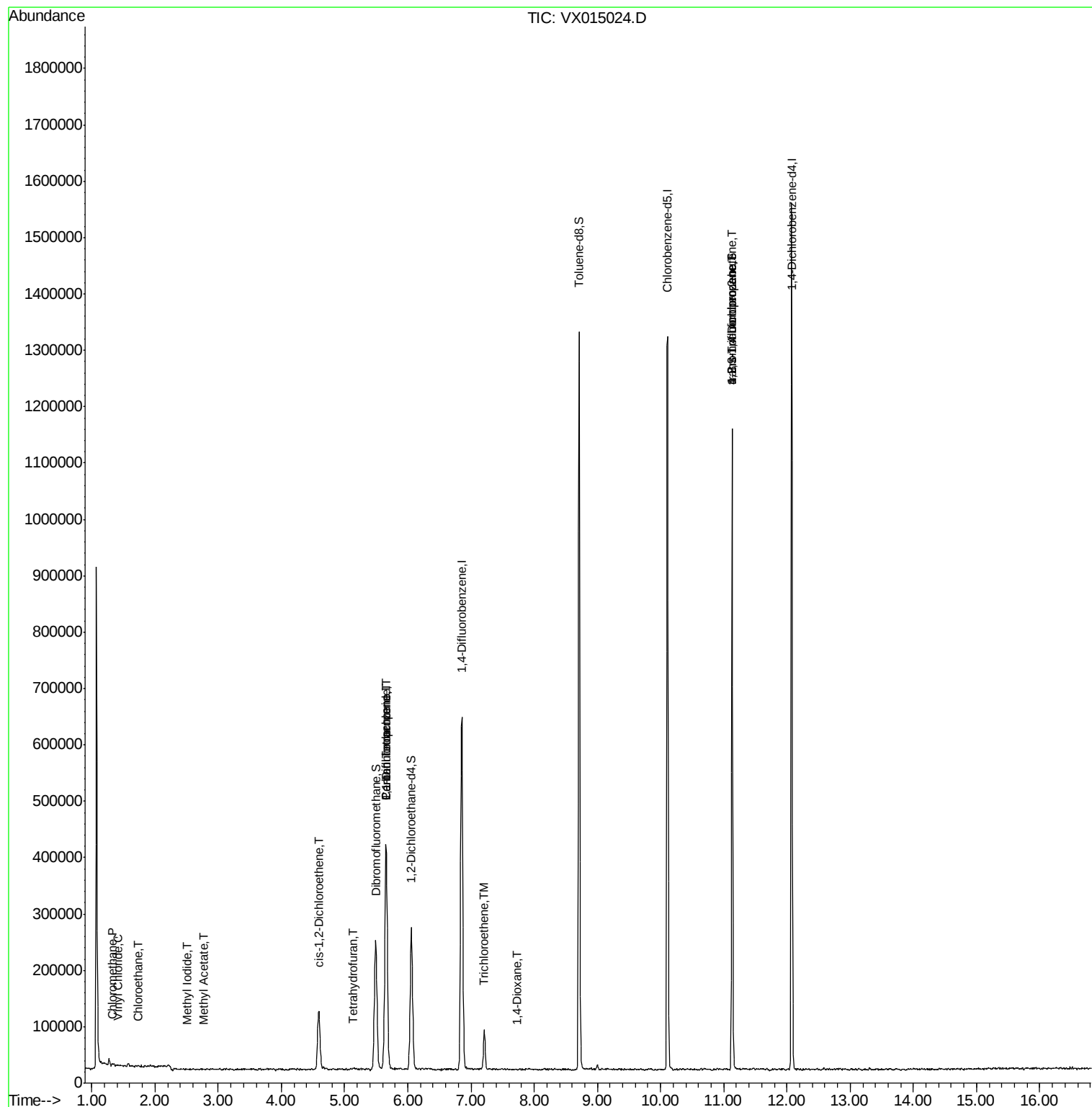
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	414828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	651259	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	618930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	319675	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	236298	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.94%	
35) Dibromofluoromethane	5.49	113	202135	50.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.98%	
50) Toluene-d8	8.71	98	782419	51.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	11.14	95	288676	52.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.88%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	1487	0.334	ug/l	91
4) Vinyl Chloride	1.42	62	1024	0.213	ug/l #	70
6) Chloroethane	1.73	64	651	0.212	ug/l #	42
10) Methyl Iodide	2.51	142	254	4.422	ug/l #	12
16) Acetone	2.43	43	1139	Below Cal	#	73
18) Methyl Acetate	2.76	43	948	0.201	ug/l #	63
27) cis-1,2-Dichloroethene	4.59	96	69305	14.777	ug/l	89
29) Tetrahydrofuran	5.14	42	1941	1.071	ug/l #	55
36) 1,1-Dichloropropene	5.66	75	27616	4.740	ug/l #	51
38) Carbon Tetrachloride	5.66	117	35294	6.217	ug/l #	16
44) Trichloroethene	7.21	130	28074	5.556	ug/l	91
49) 1,4-Dioxane	7.73	88	364	3.947	ug/l #	72
76) 1,2,3-Trichloropropane	11.14	75	143934	24.899	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	143934	63.733	ug/l #	12

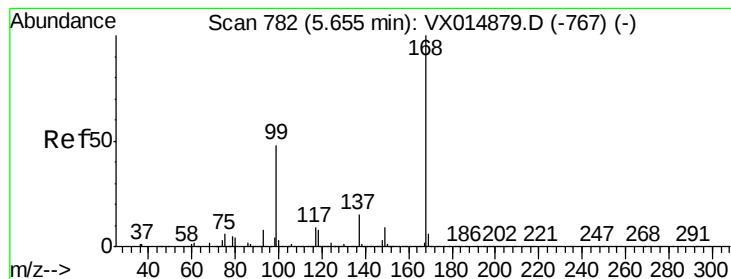
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
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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: VX015024.D

Acq: 26 Feb 2020 16:30

Instrument :

MSVOA_X

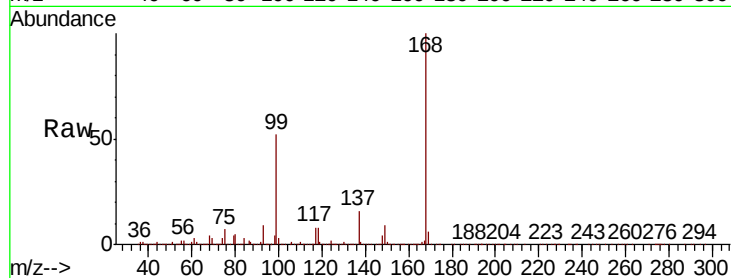
ClientSampleId :

Tot Ion:168 Resp: 414828

Ion Ratio Lower Upper

168 100

99 51.9 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

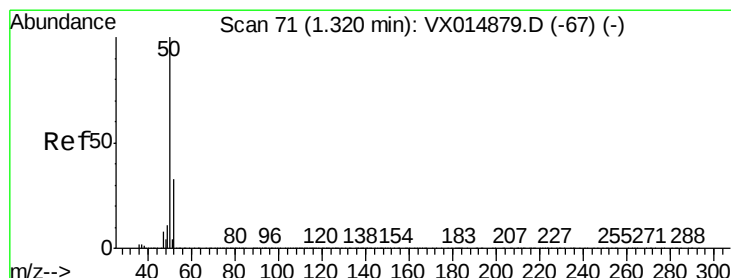
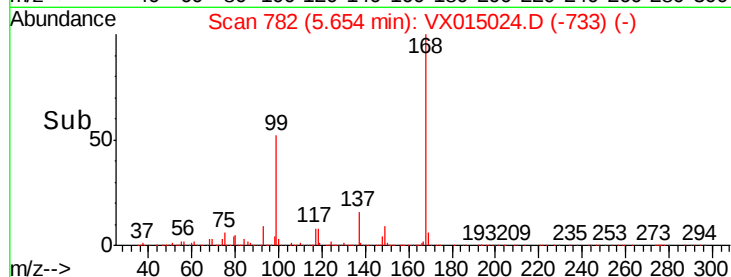
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.334 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015024.D

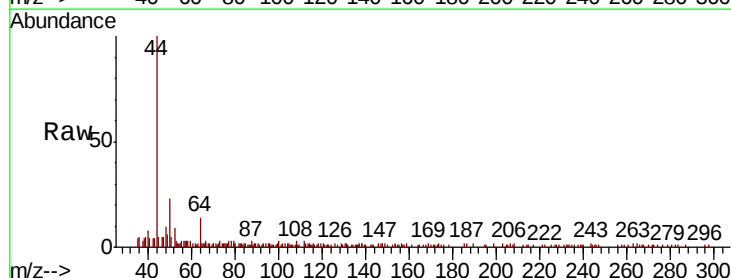
Acq: 26 Feb 2020 16:30

Tgt Ion: 50 Resp: 1487

Ion Ratio Lower Upper

50 100

52 27.7 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

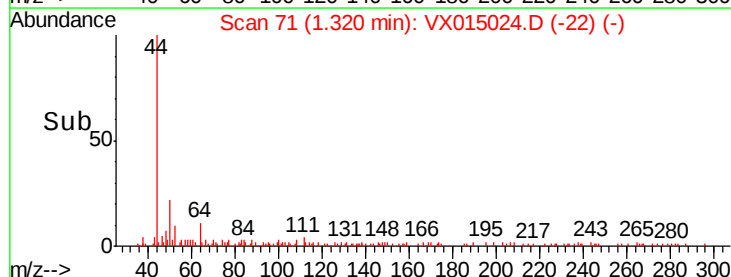
1500

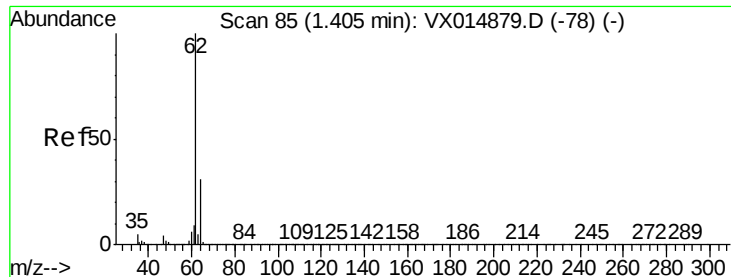
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 0.213 ug/l

RT: 1.42 min Scan# 87

Delta R.T. 0.01 min

Lab File: VX015024.D

Acq: 26 Feb 2020 16:30

Instrument :

MSVOA_X

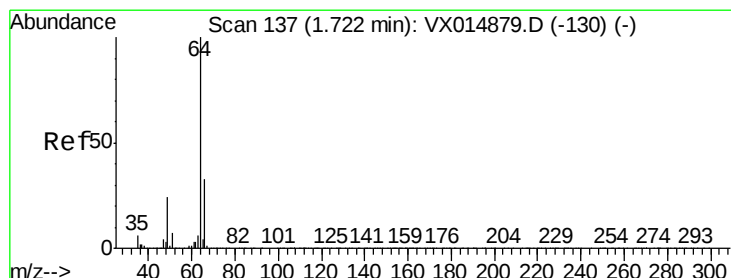
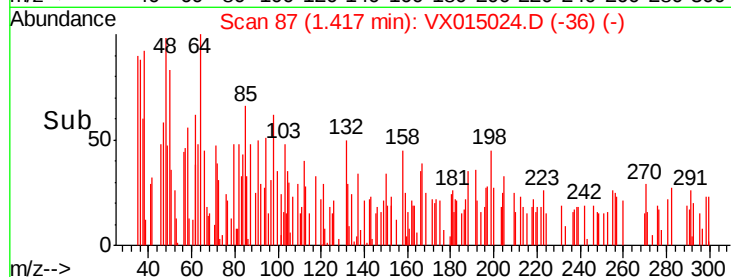
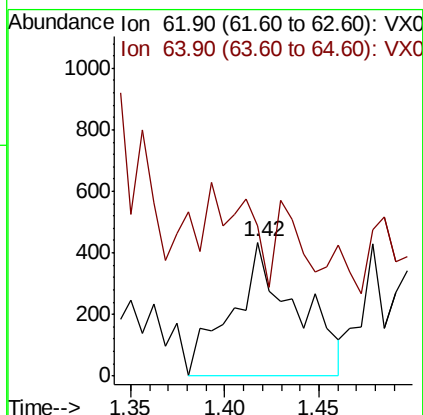
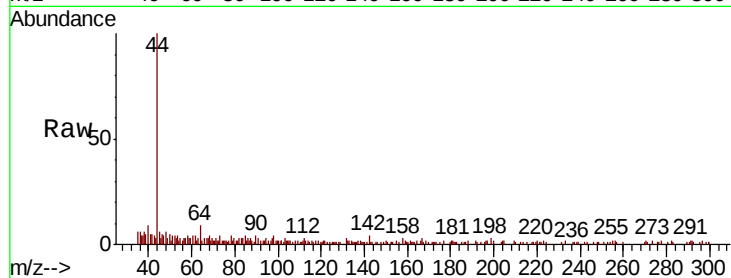
Client Sampled :

Tot Ion: 62 Resp: 1024

Ion Ratio Lower Upper

62 100

64 14.3 24.8 37.2#



#6

Chloroethane

Concen: 0.212 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.01 min

Lab File: VX015024.D

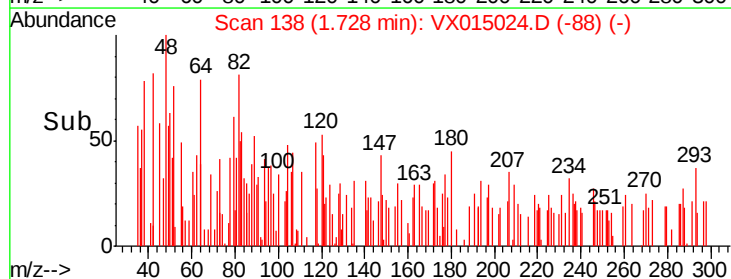
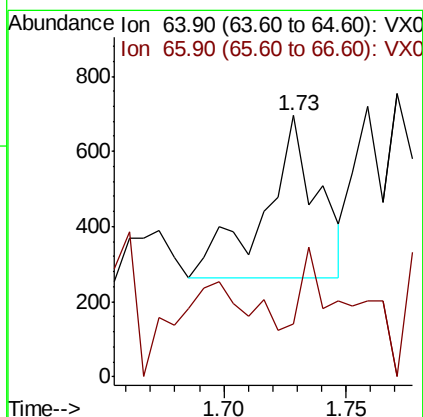
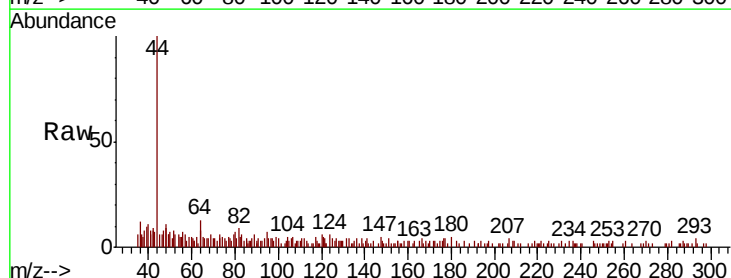
Acq: 26 Feb 2020 16:30

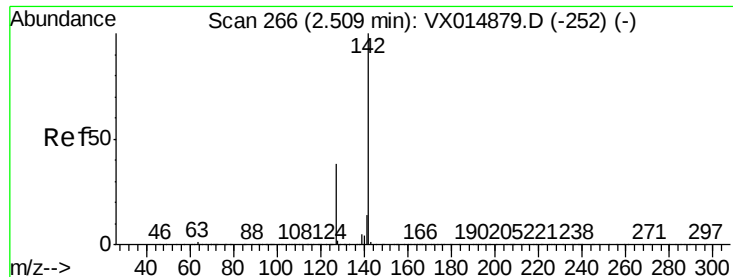
Tgt Ion: 64 Resp: 651

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

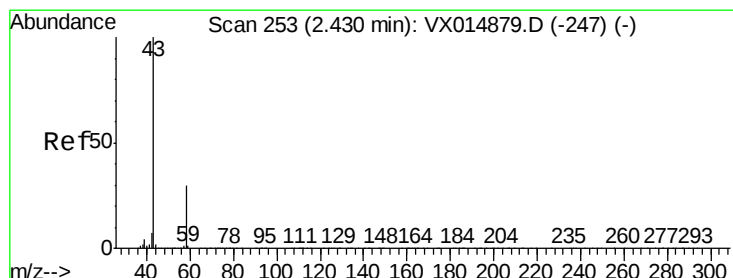
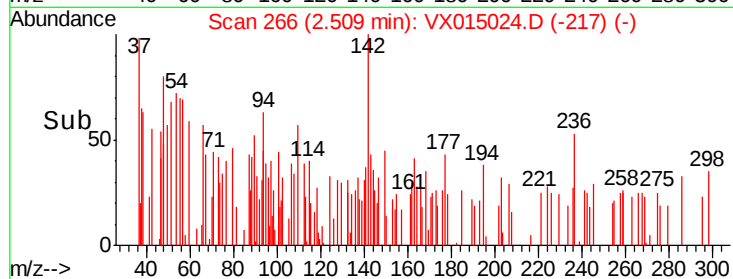
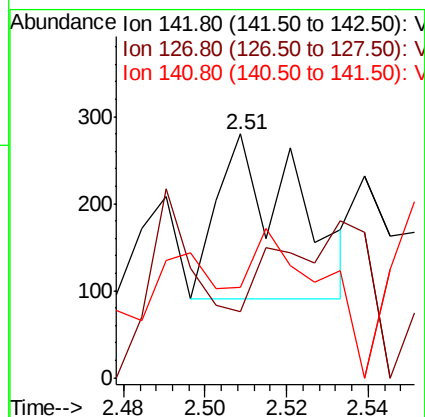
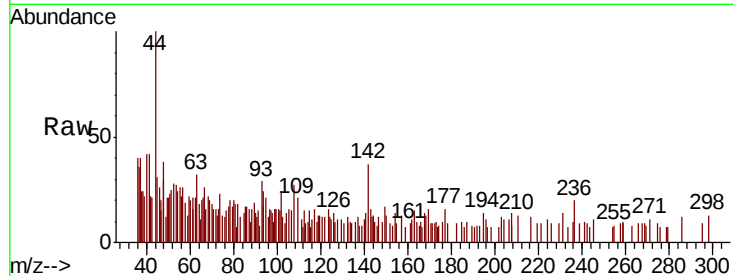




#10
Methvl Iodide
Concen: 4.422 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX015024.D
Acq: 26 Feb 2020 16:30

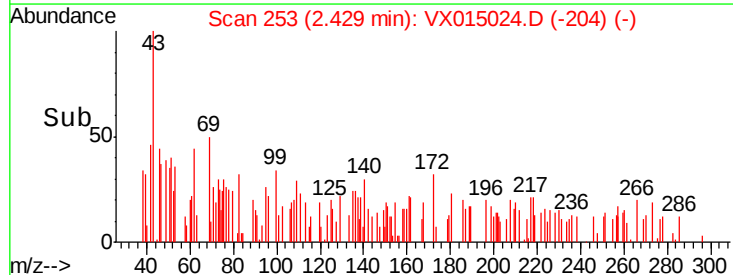
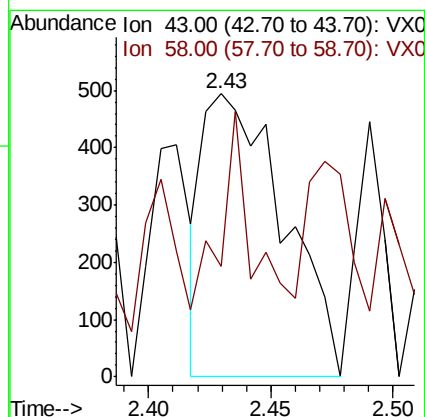
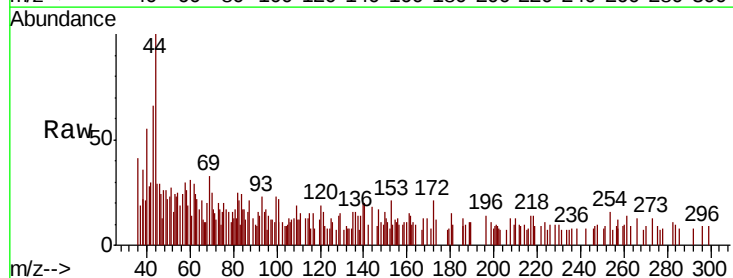
Instrument :
MSVOA_X
ClientSampleId :

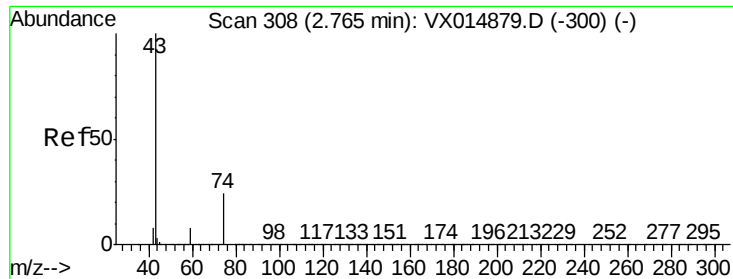
Tot Ion:142 Resp: 254
Ion Ratio Lower Upper
142 100
127 0.0 31.1 46.7#
141 76.8 11.3 16.9#



#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX015024.D
Acq: 26 Feb 2020 16:30

Tgt Ion: 43 Resp: 1139
Ion Ratio Lower Upper
43 100
58 15.6 24.1 36.1#

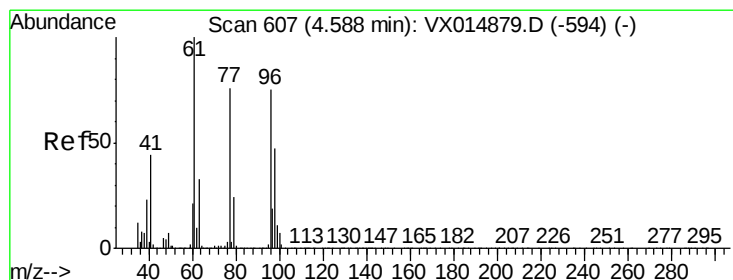
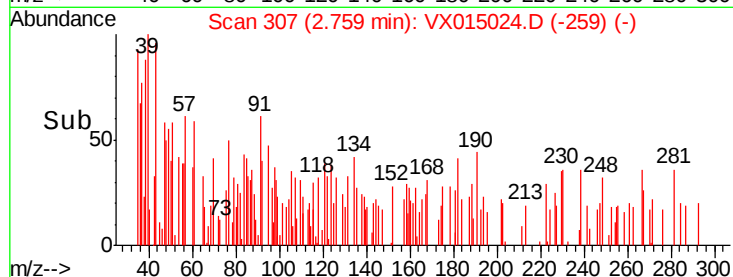
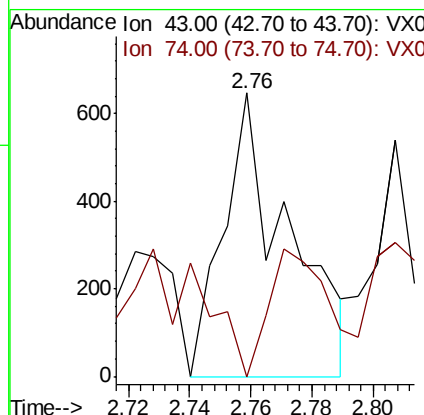
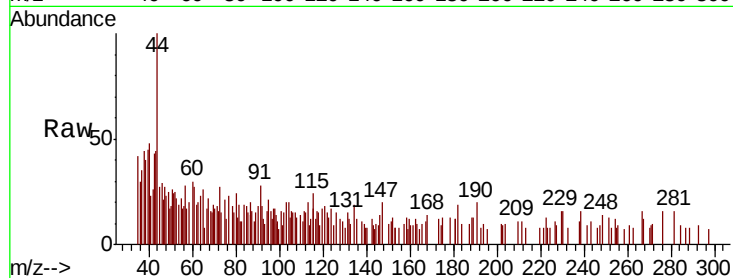




#18
Methvl Acetate
Concen: 0.201 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX015024.D
Acq: 26 Feb 2020 16:30

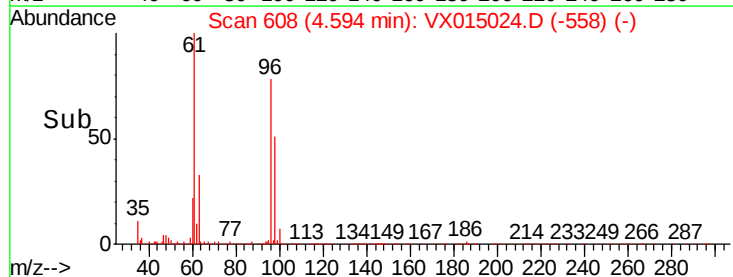
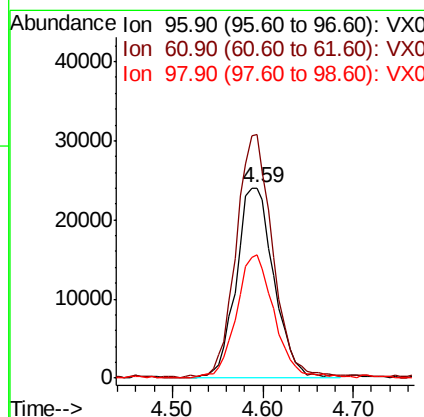
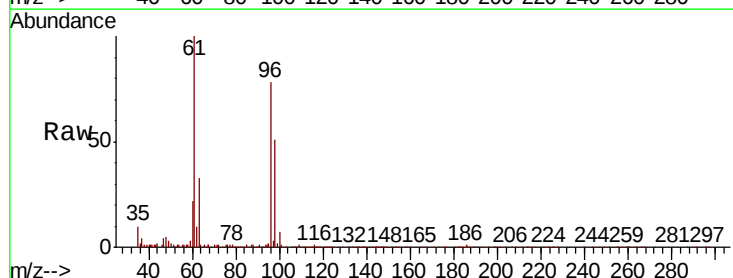
Instrument :
MSVOA_X
ClientSampleId :

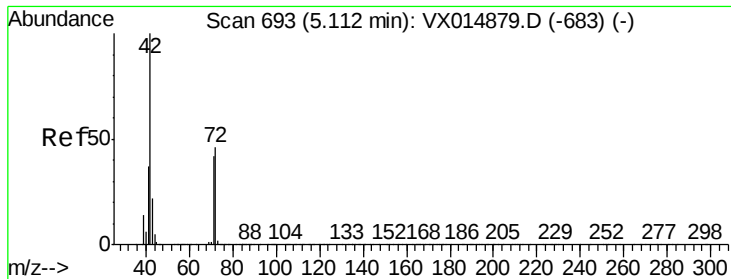
Tot Ion: 43 Resp: 948
Ion Ratio Lower Upper
43 100
74 42.7 19.4 29.0#



#27
cis-1,2-Dichloroethene
Concen: 14.777 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX015024.D
Acq: 26 Feb 2020 16:30

Tgt Ion: 96 Resp: 69305
Ion Ratio Lower Upper
96 100
61 123.0 0.0 286.2
98 64.9 0.0 131.0





#29

Tetrahydrofuran

Concen: 1.071 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX015024.D

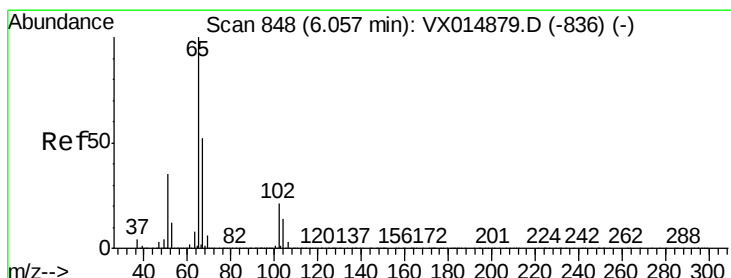
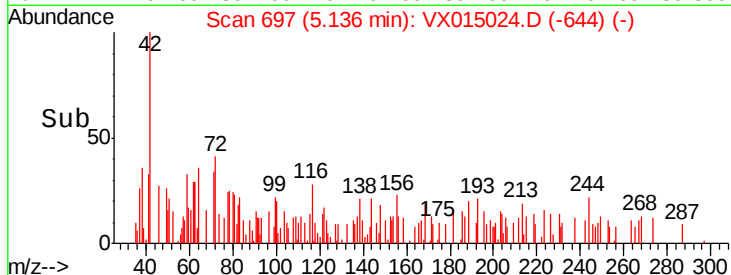
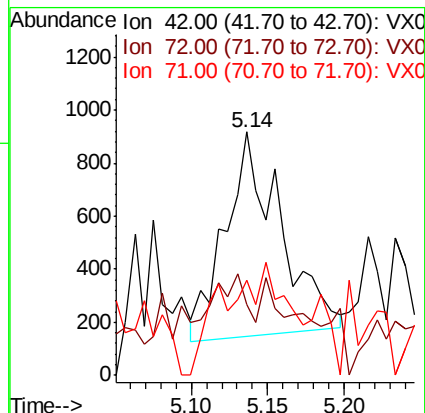
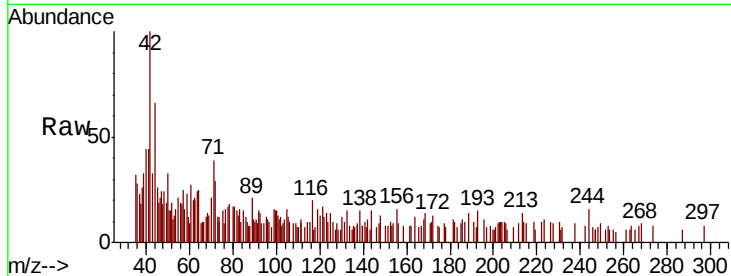
Acq: 26 Feb 2020 16:30

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	42	Resp:	1941
Ion	Ratio	Lower	Upper
42	100		
72	11.7	36.9	55.3#
71	18.9	34.1	51.1#



#33

1,2-Dichloroethane-d4

Concen: 50.473 ug/l

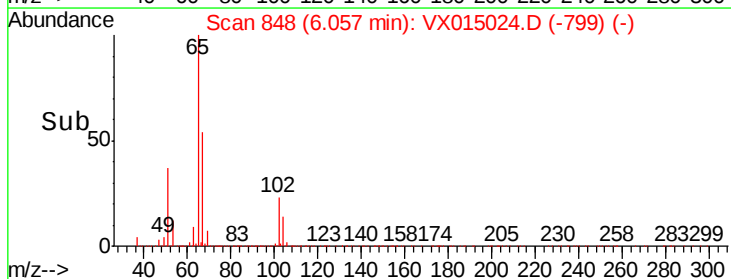
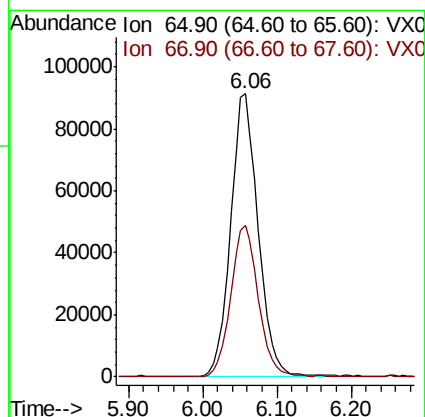
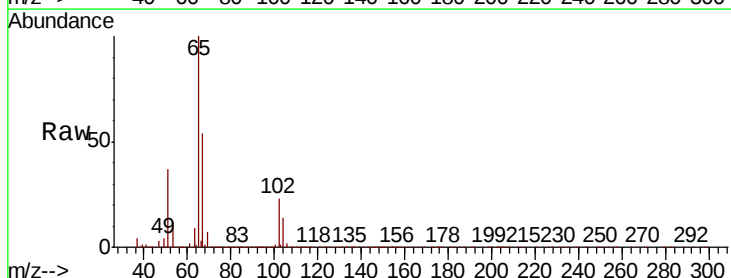
RT: 6.06 min Scan# 848

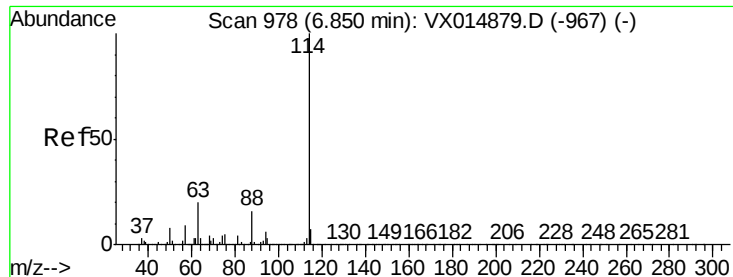
Delta R.T. -0.00 min

Lab File: VX015024.D

Acq: 26 Feb 2020 16:30

Tgt Ion:	65	Resp:	236298
Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015024.D

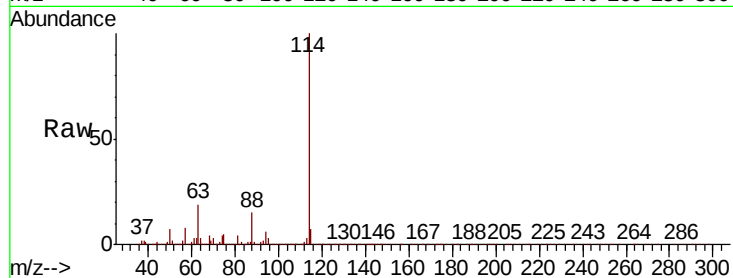
Acq: 26 Feb 2020 16:30

Instrument :

MSVOA_X

ClientSampleId :

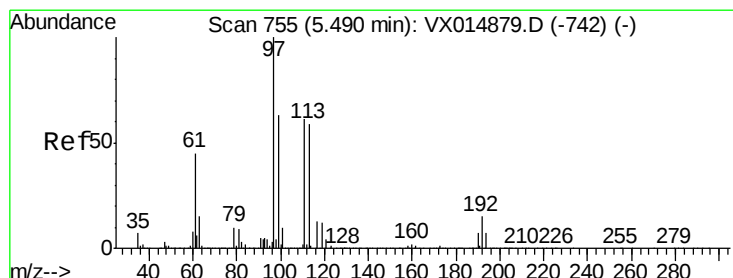
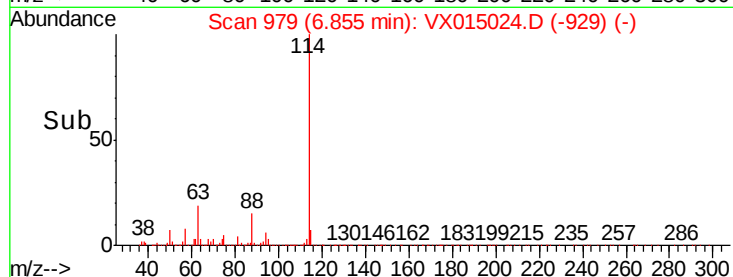
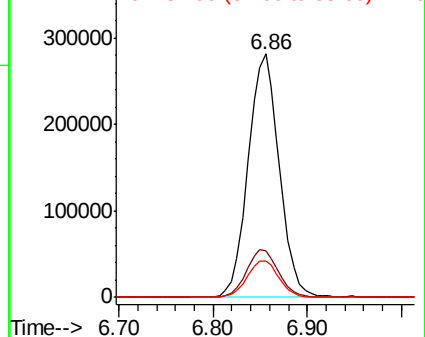
Tot Ion:	114	Resp:	651259
Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.2
88	15.1	0.0	32.0



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: 50.486 ug/l

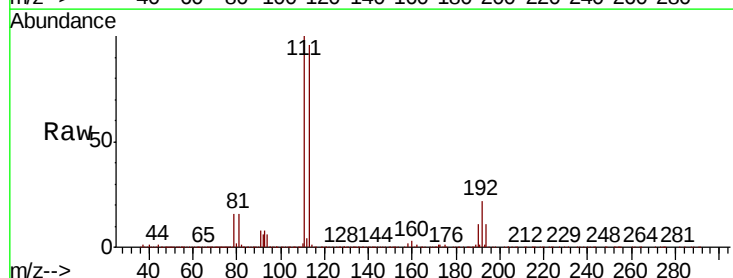
RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015024.D

Acq: 26 Feb 2020 16:30

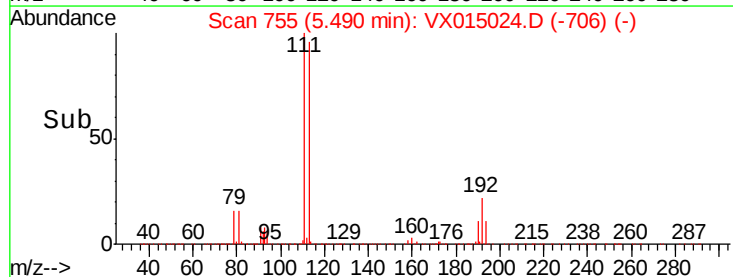
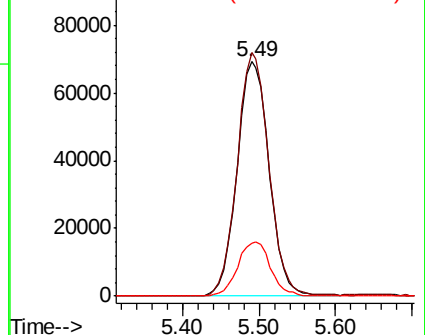
Tgt Ion:	113	Resp:	202135
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	23.3	19.1	28.7

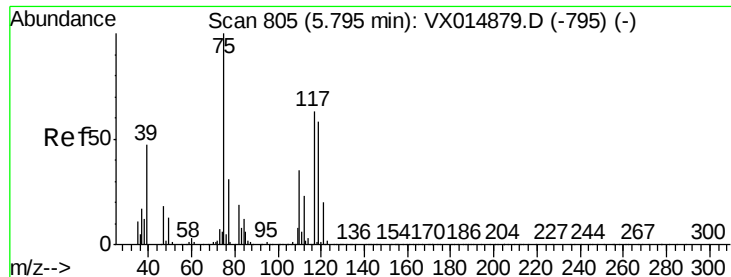


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

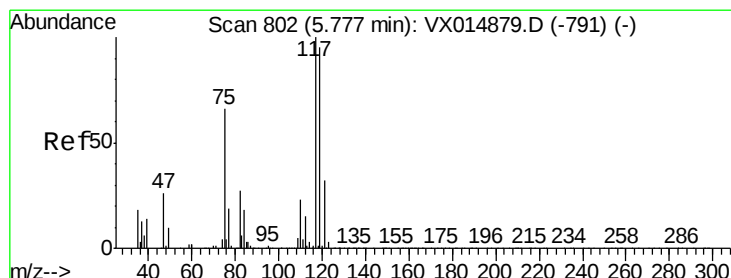
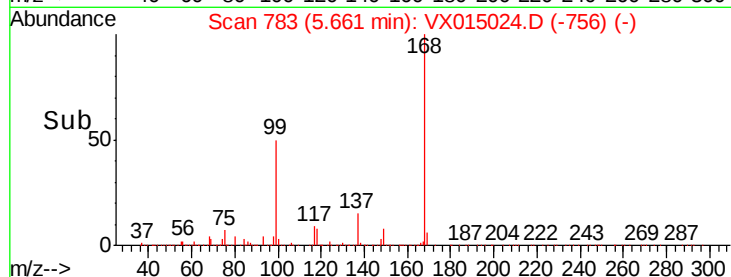
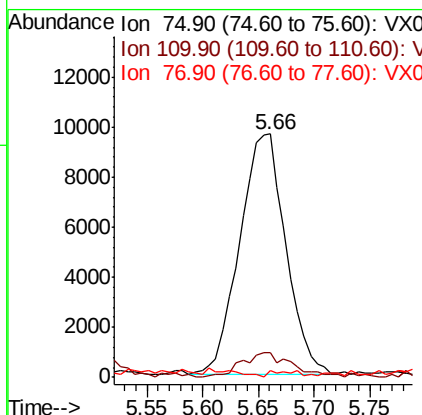
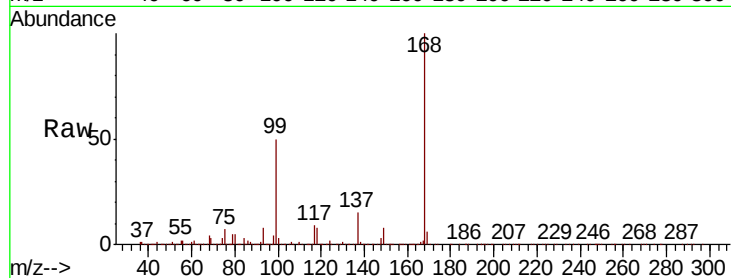




#36
 1,1-Dichloropropene
 Concen: 4.740 ug/l
 RT: 5.66 min Scan# 783
 Delta R.T. -0.13 min
 Lab File: VX015024.D
 Acq: 26 Feb 2020 16:30

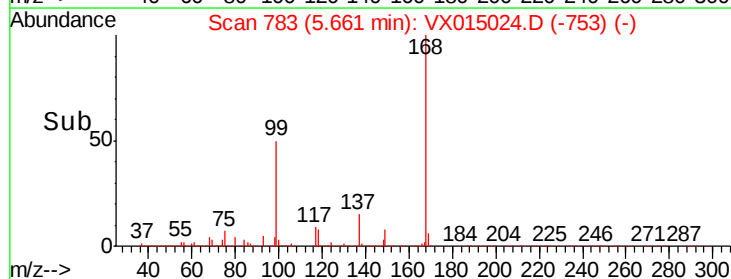
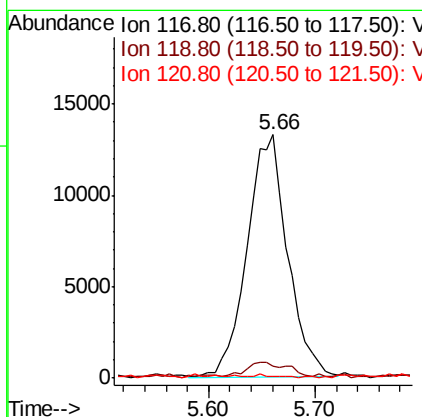
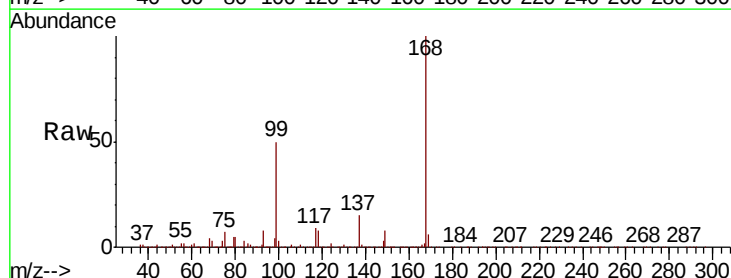
Instrument :
 MSVOA_X
 ClientSampleId :

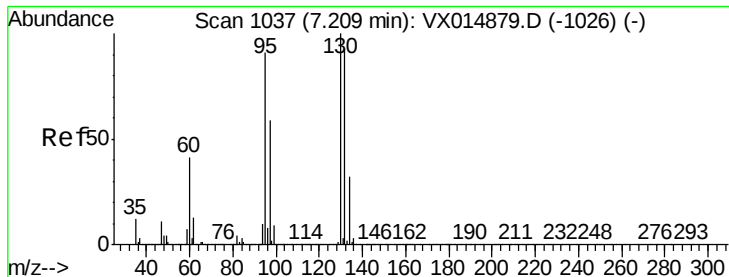
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.3	18.3	54.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.217 ug/l
 RT: 5.66 min Scan# 783
 Delta R.T. -0.12 min
 Lab File: VX015024.D
 Acq: 26 Feb 2020 16:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	76.0	114.0#
121	0.1	25.4	38.2#





#44

Trichloroethene

Concen: 5.556 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015024.D

Acq: 26 Feb 2020 16:30

Instrument :

MSVOA_X

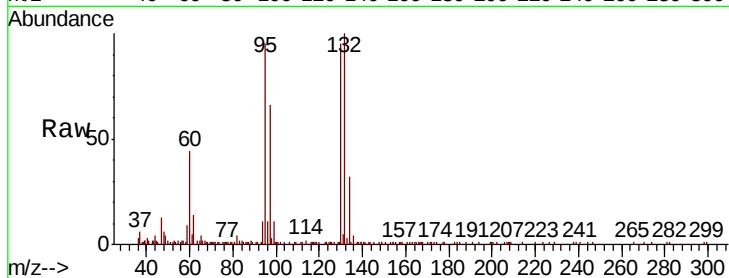
ClientSampled :

Tot Ion:130 Resp: 28074

Ion Ratio Lower Upper

130 100

95 99.5 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

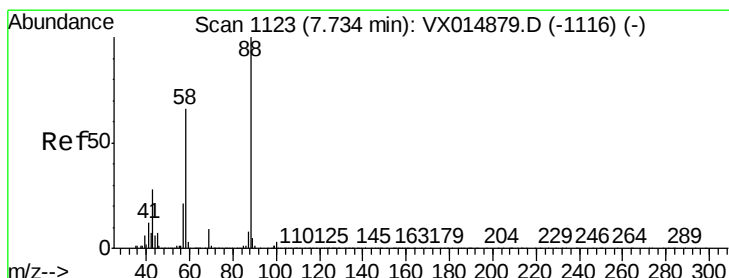
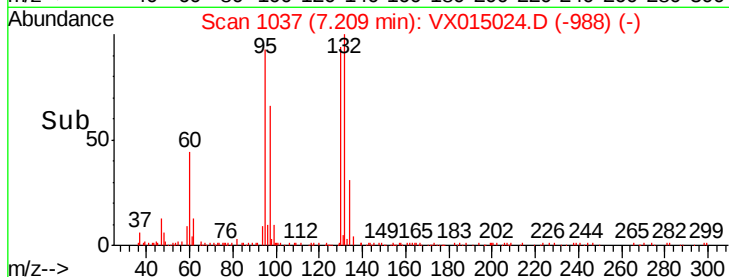
15000

10000

5000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#49

1,4-Dioxane

Concen: 3.947 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX015024.D

Acq: 26 Feb 2020 16:30

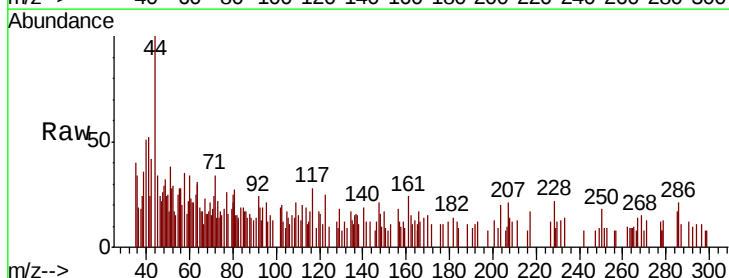
Tgt Ion: 88 Resp: 364

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

58 56.6 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

500

400

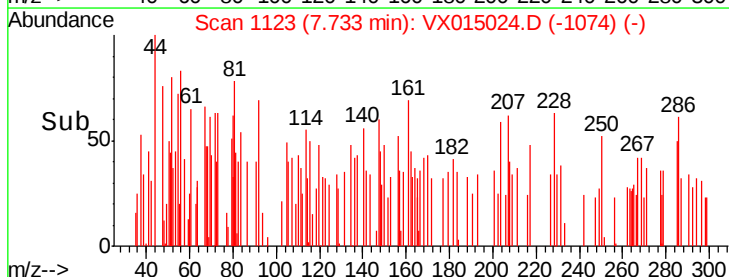
300

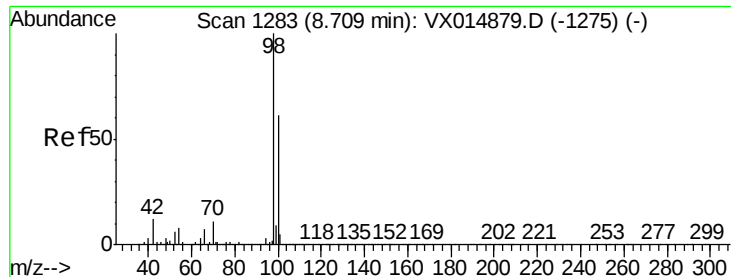
200

100

0

Time--> 7.70 7.72 7.74 7.76

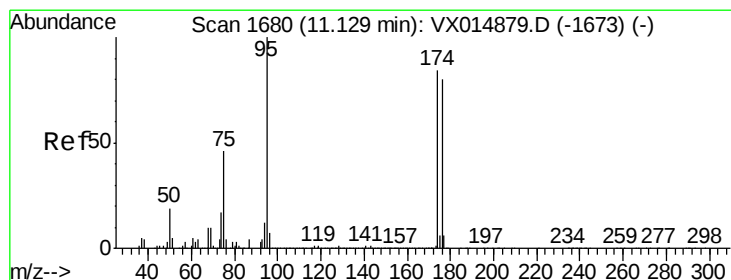
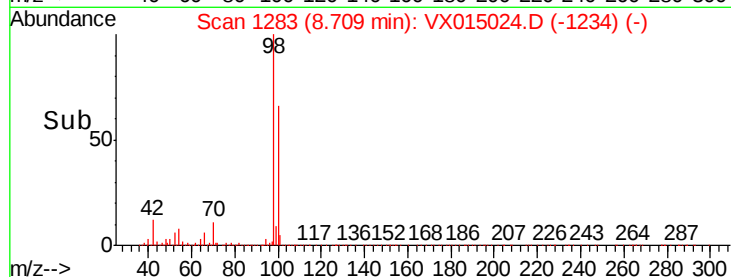
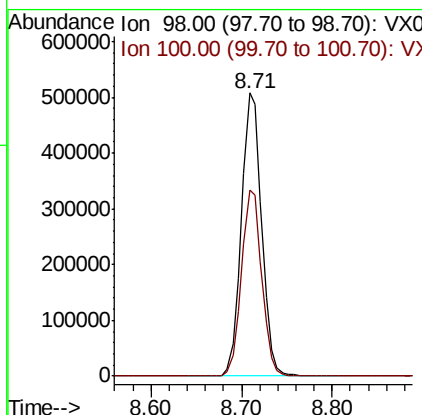
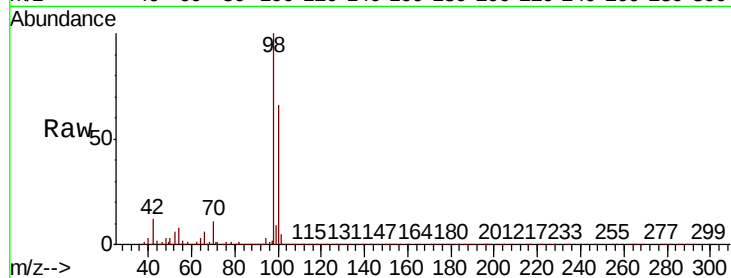




#50
Toluene-d8
Concen: 51.196 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015024.D
Acq: 26 Feb 2020 16:30

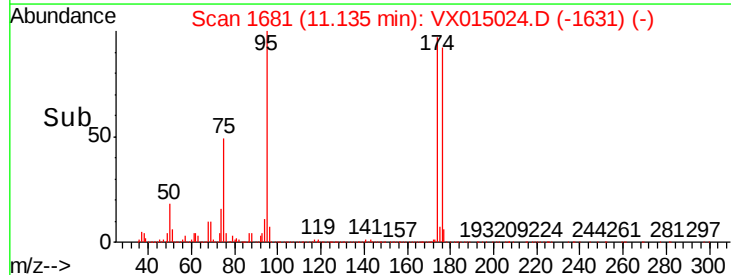
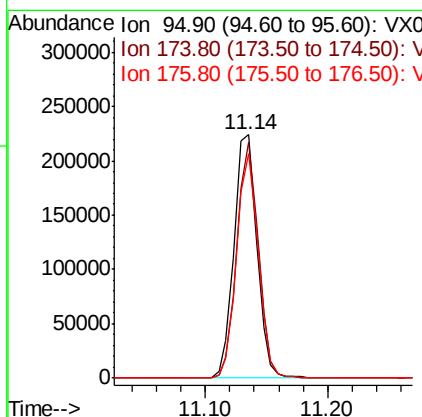
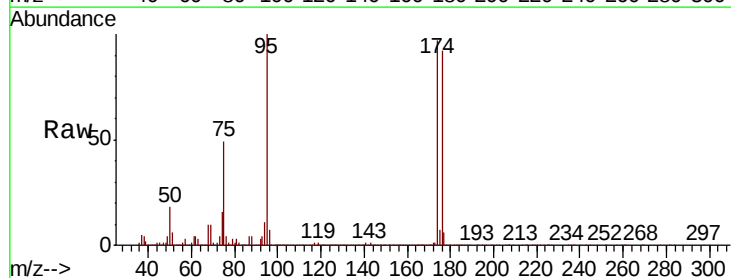
Instrument :
MSVOA_X
ClientSampled :

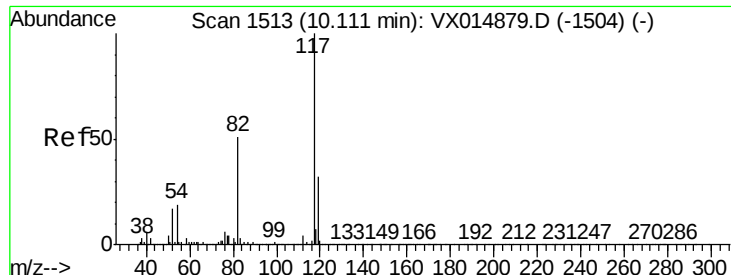
Tot Ion: 98 Resp: 782419
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 52.436 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX015024.D
Acq: 26 Feb 2020 16:30

Tgt Ion: 95 Resp: 288676
Ion Ratio Lower Upper
95 100
174 91.6 0.0 183.0
176 87.8 0.0 178.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX015024.D

Acq: 26 Feb 2020 16:30

Instrument :

MSVOA_X

ClientSampled :

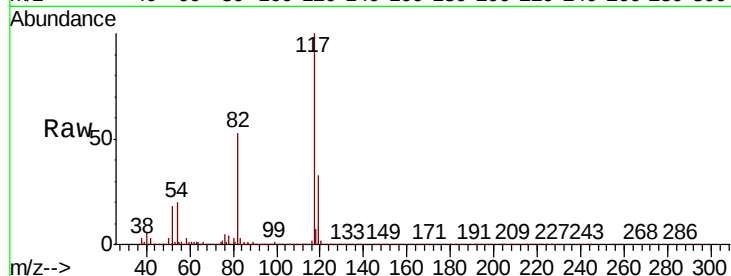
Tot Ion:117 Resp: 618930

Ion Ratio Lower Upper

117 100

82 52.8 40.5 60.7

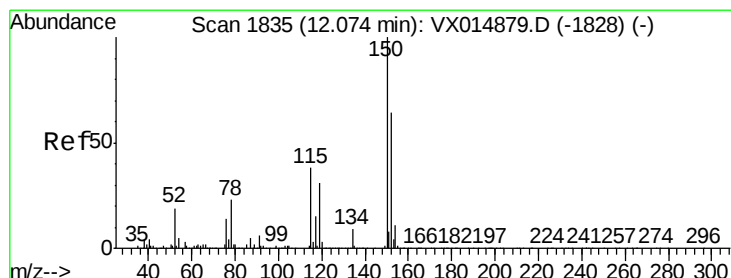
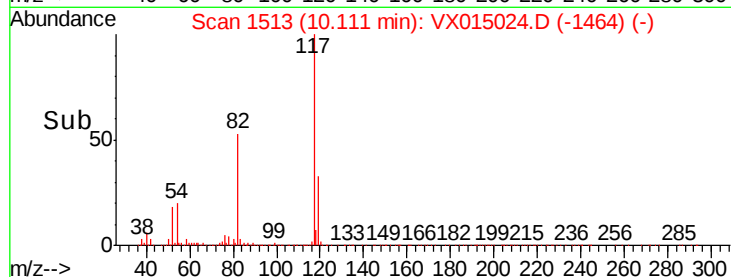
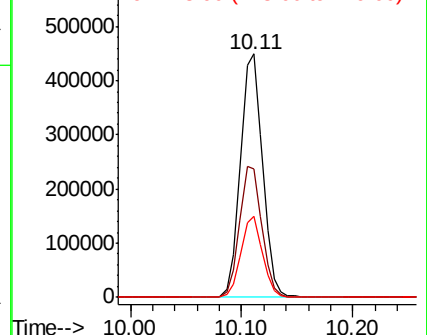
119 33.4 25.8 38.6



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: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015024.D

Acq: 26 Feb 2020 16:30

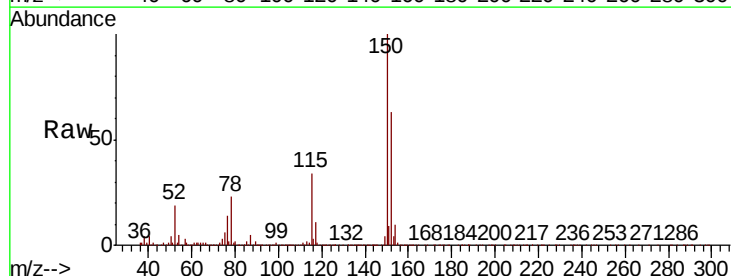
Tgt Ion:152 Resp: 319675

Ion Ratio Lower Upper

152 100

115 54.8 38.6 116.0

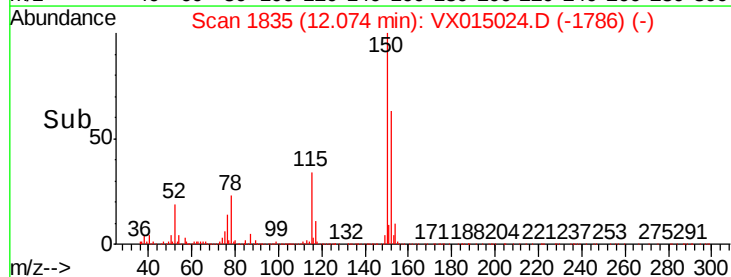
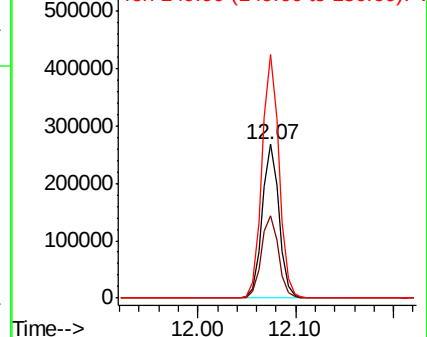
150 159.5 0.0 349.0

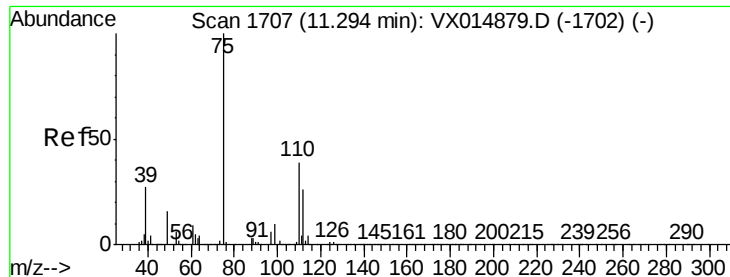


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.899 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX015024.D

Acq: 26 Feb 2020 16:30

Instrument :

MSVOA_X

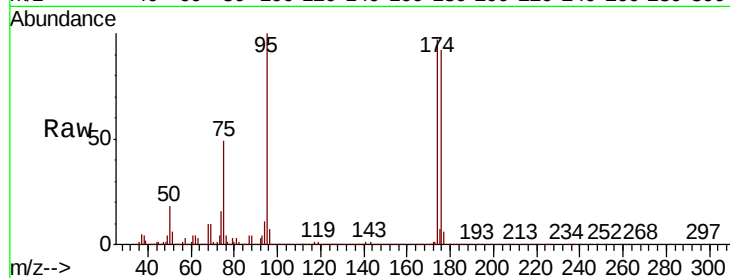
ClientSampleId :

Tot Ion: 75 Resp: 143934

Ion Ratio Lower Upper

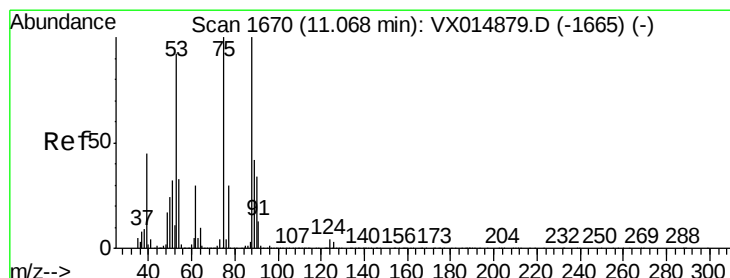
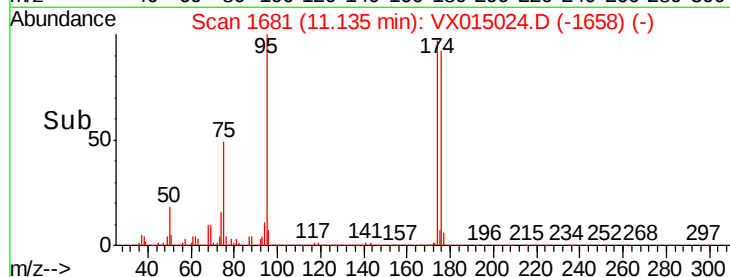
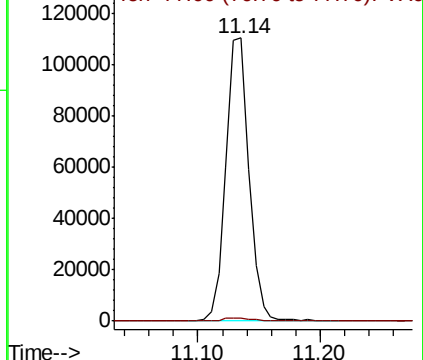
75 100

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: 63.733 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX015024.D

Acq: 26 Feb 2020 16:30

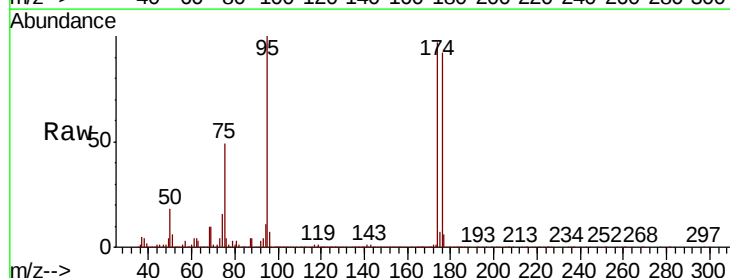
Tgt Ion: 75 Resp: 143934

Ion Ratio Lower Upper

75 100

53 0.1 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

