

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX033120\
 Data File : VX015444.D
 Acq On : 31 Mar 2020 11:13
 Operator : JC/SP
 Sample : VX0331MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 01 07:27:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1107148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1776631	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1624205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	828515	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	734449	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	
35) Dibromofluoromethane	5.47	113	568065	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
50) Toluene-d8	8.70	98	2162576	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	11.12	95	890023	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	

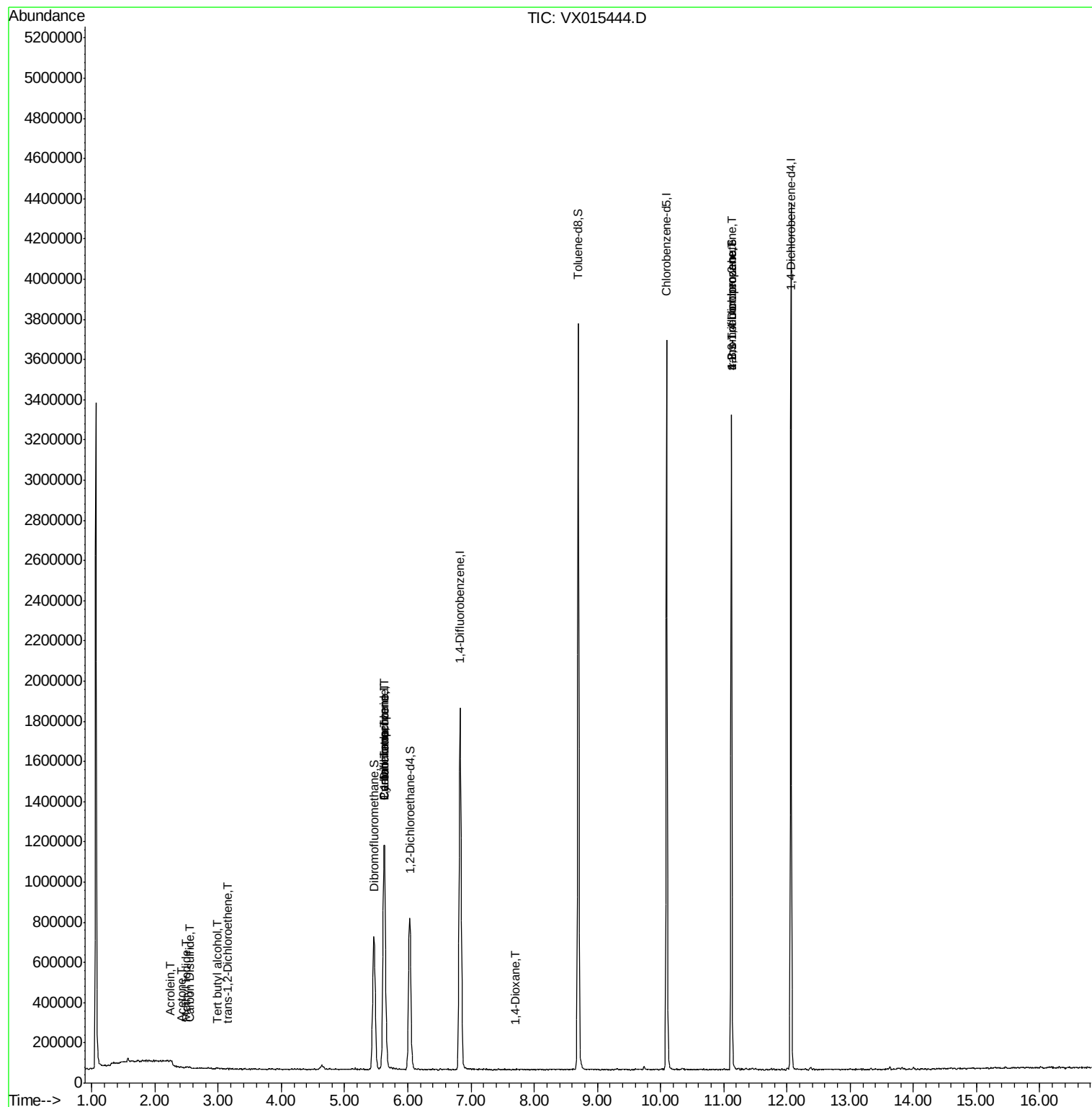
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	3026	Below Cal		87
10) Methyl Iodide	2.49	142	7292	0.542	ug/l #	74
11) Tert butyl alcohol	3.00	59	2468	0.660	ug/l #	73
13) Acrolein	2.25	56	1706	0.801	ug/l #	1
16) Acetone	2.41	43	2789	0.416	ug/l	96
17) Carbon Disulfide	2.55	76	6860	0.215	ug/l #	85
21) trans-1,2-Dichloroethene	3.14	96	2433	0.210	ug/l #	26
31) Cyclohexane	5.63	56	24946	1.262	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	87945	5.372	ug/l #	52
38) Carbon Tetrachloride	5.63	117	104581	5.899	ug/l #	15
49) 1,4-Dioxane	7.70	88	548	1.635	ug/l #	9
76) 1,2,3-Trichloropropane	11.12	75	452913	26.583	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	452913	63.785	ug/l #	10

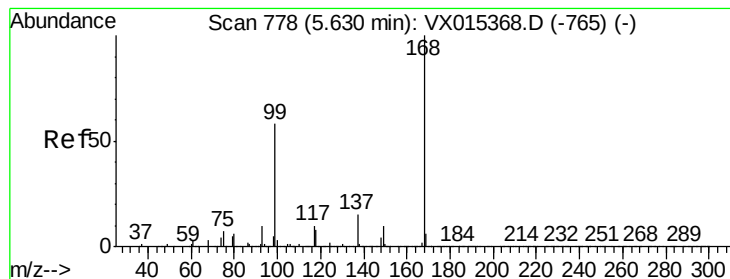
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015444.D

Acq: 31 Mar 2020 11:13

Instrument :

MSVOA_X

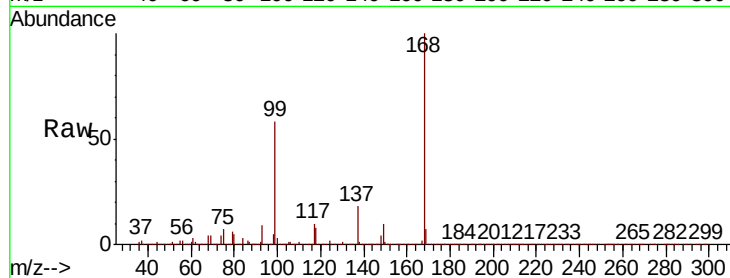
ClientSampleId :

Tot Ion:168 Resp: 1107148

Ion Ratio Lower Upper

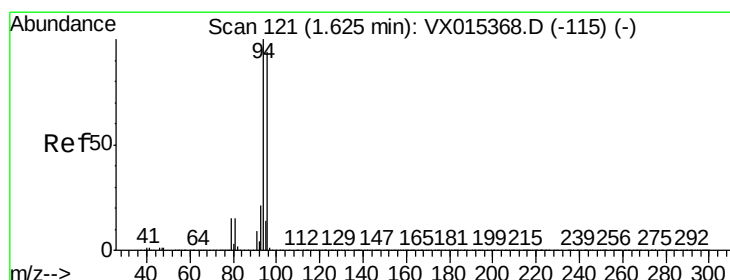
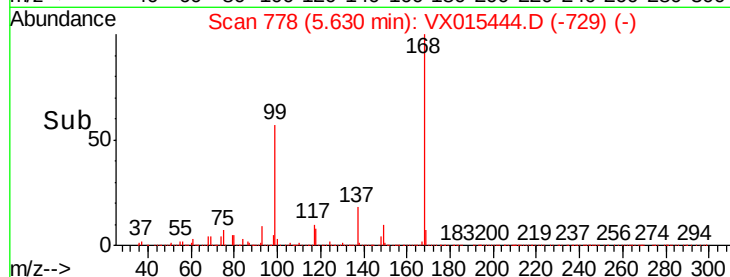
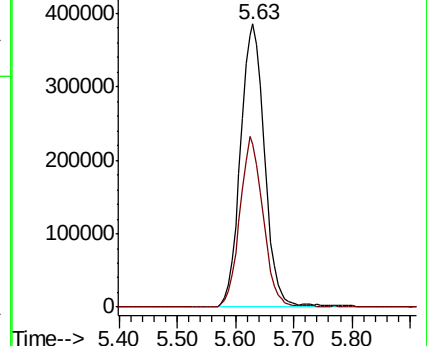
168 100

99 57.5 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015444.D

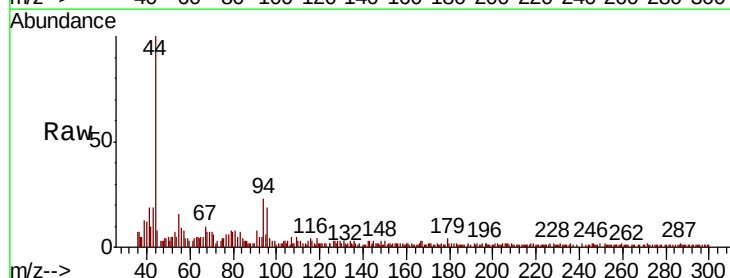
Acq: 31 Mar 2020 11:13

Tgt Ion: 94 Resp: 3026

Ion Ratio Lower Upper

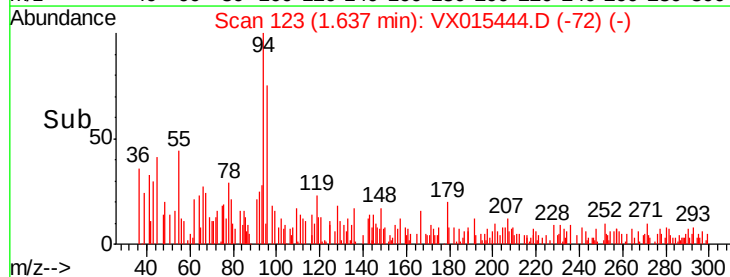
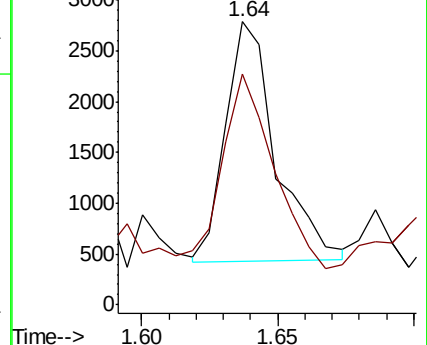
94 100

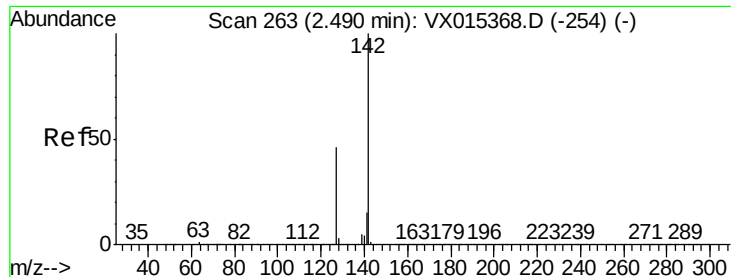
96 81.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methvl Iodide

Concen: 0.542 ug/l

RT: 2.49 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX015444.D

Acq: 31 Mar 2020 11:13

Instrument :

MSVOA_X

ClientSampled :

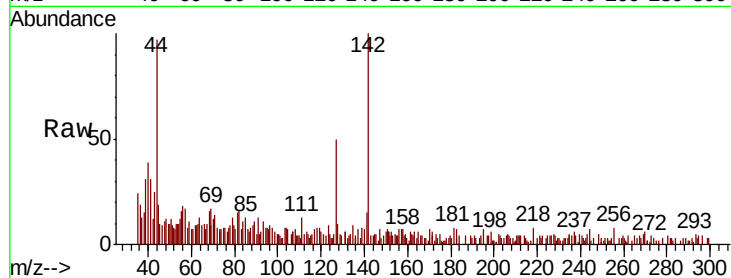
Tot Ion:142 Resp: 7292

Ion Ratio Lower Upper

142 100

127 59.3 35.9 53.9#

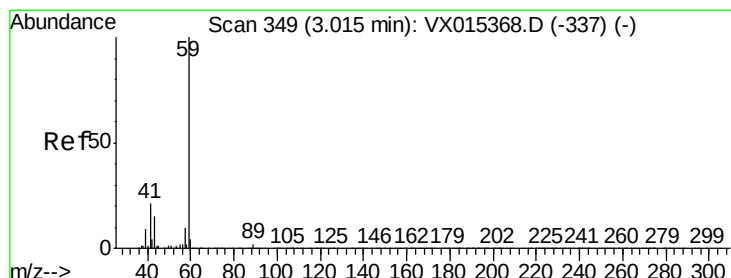
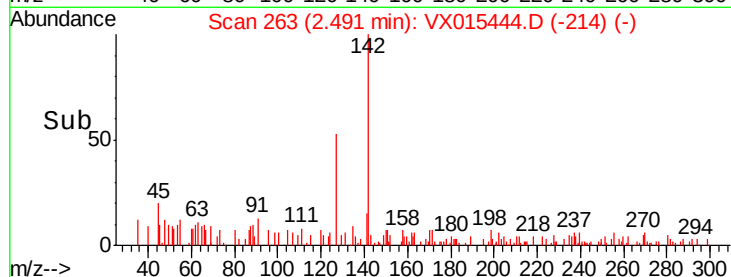
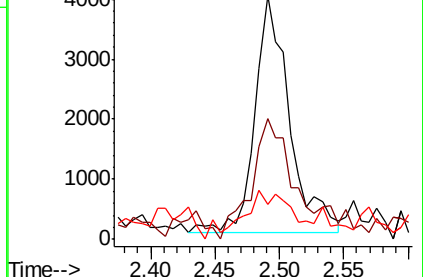
141 30.2 11.6 17.4#



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: 0.660 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.02 min

Lab File: VX015444.D

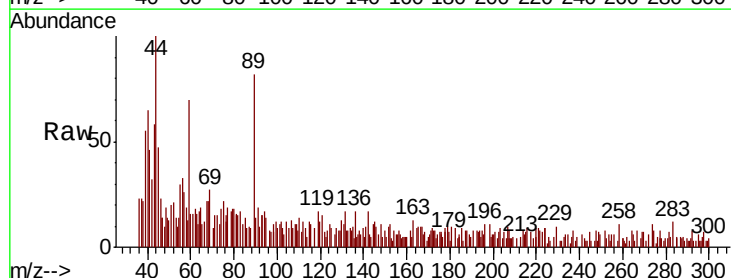
Acq: 31 Mar 2020 11:13

Tgt Ion: 59 Resp: 2468

Ion Ratio Lower Upper

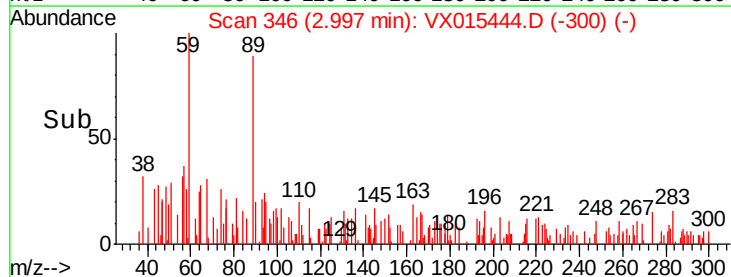
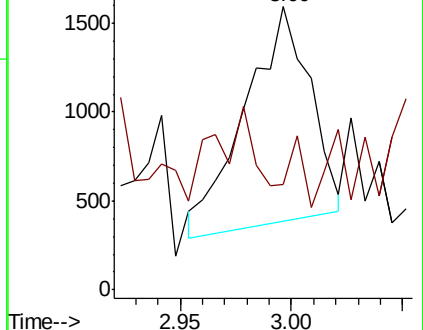
59 100

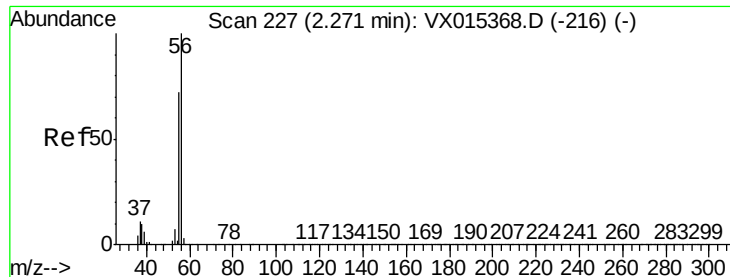
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

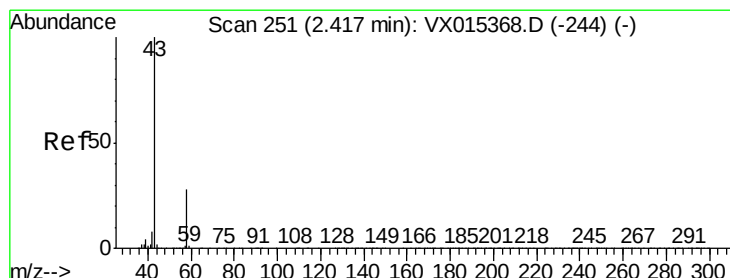
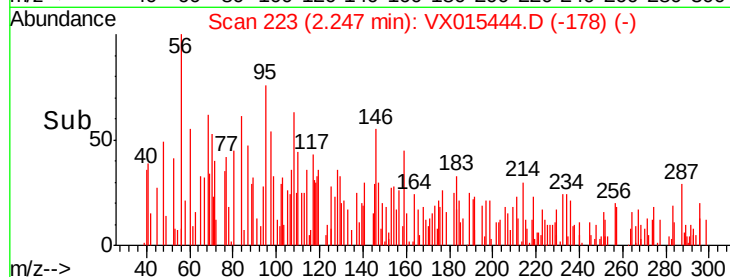
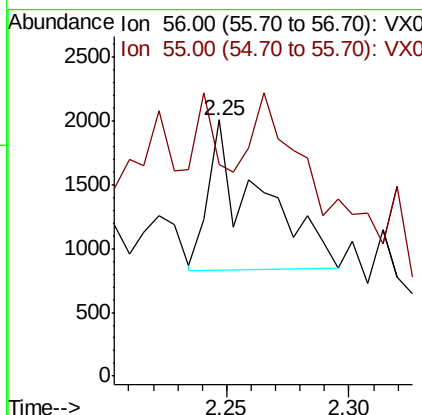
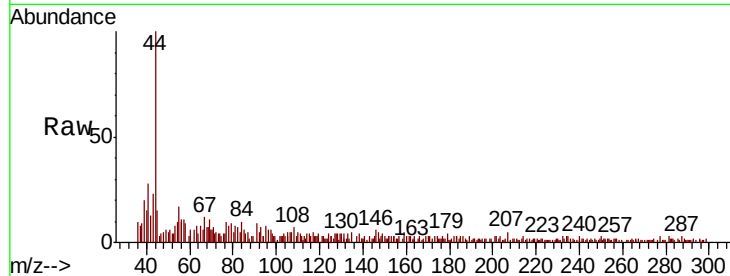




#13
Acrolein
Concen: 0.801 ug/l
RT: 2.25 min Scan# 223
Delta R.T. -0.02 min
Lab File: VX015444.D
Acq: 31 Mar 2020 11:13

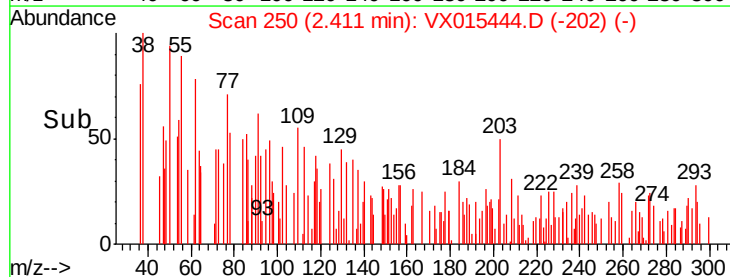
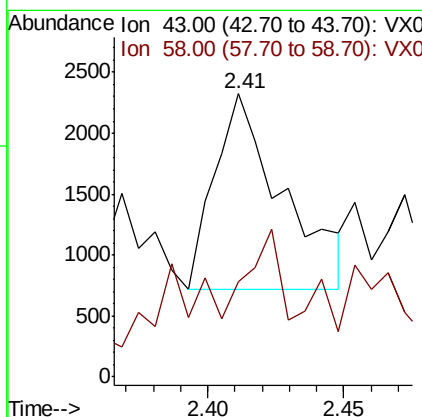
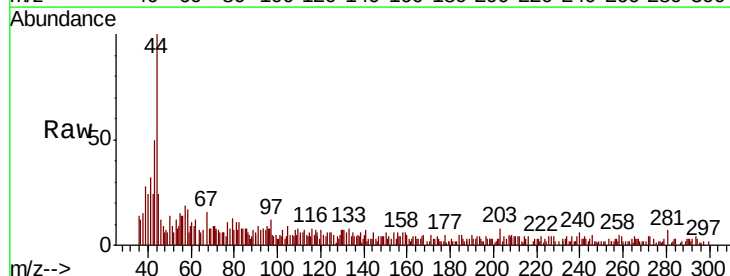
Instrument :
MSVOA_X
ClientSampled :

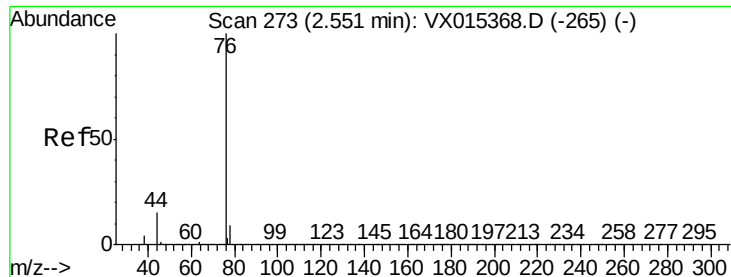
Tot Ion: 56 Resp: 1706
Ion Ratio Lower Upper
56 100
55 174.1 57.0 85.4#



#16
Acetone
Concen: 0.416 ug/l
RT: 2.41 min Scan# 250
Delta R.T. -0.01 min
Lab File: VX015444.D
Acq: 31 Mar 2020 11:13

Tgt Ion: 43 Resp: 2789
Ion Ratio Lower Upper
43 100
58 25.6 22.1 33.1

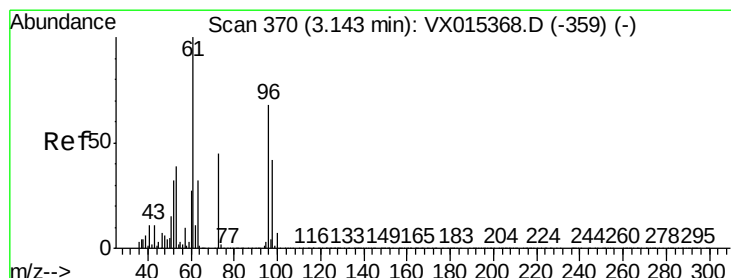
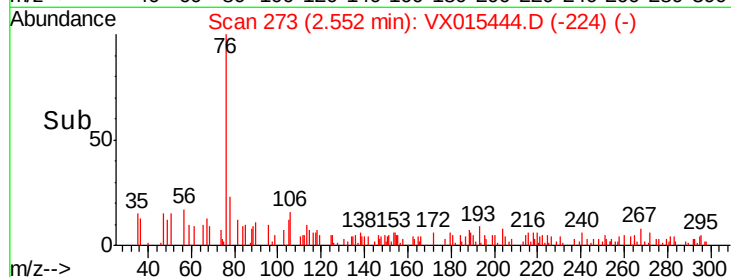
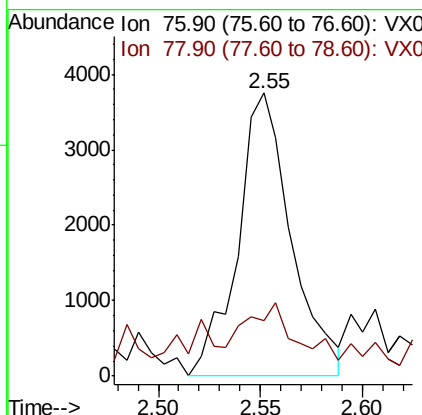
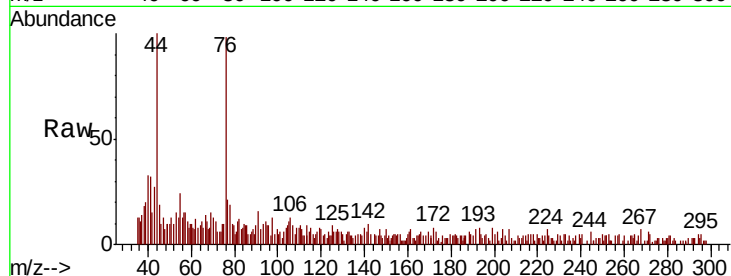




#17
Carbon Disulfide
Concen: 0.215 ug/l
RT: 2.55 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015444.D
Acq: 31 Mar 2020 11:13

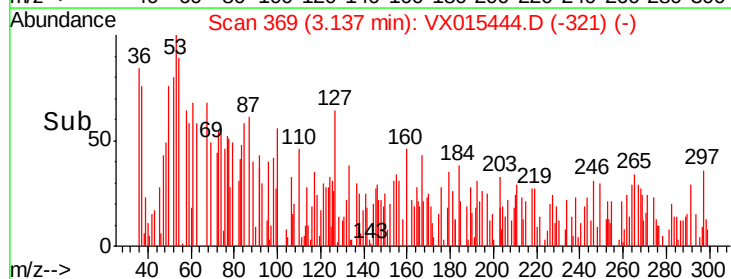
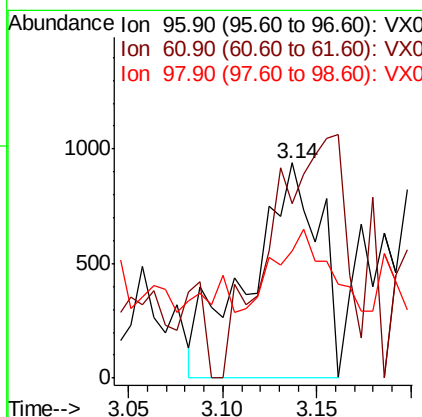
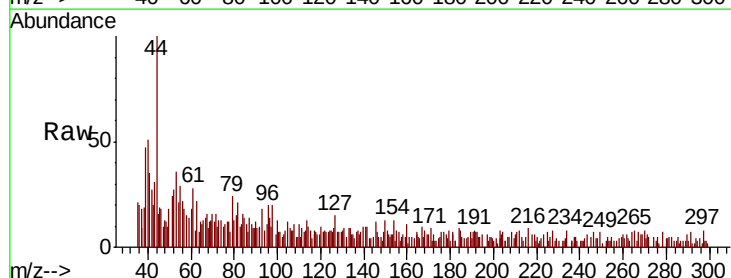
Instrument :
MSVOA_X
ClientSampleId :

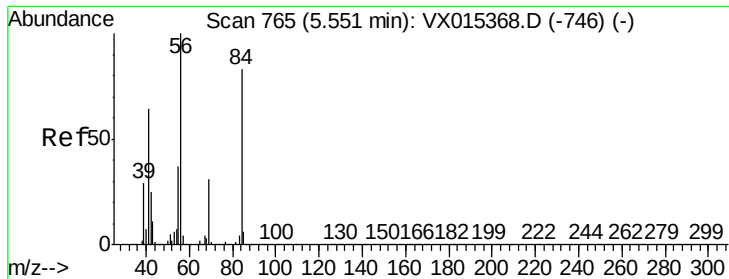
Tot Ion: 76 Resp: 6860
Ion Ratio Lower Upper
76 100
78 14.3 7.1 10.7#



#21
trans-1,2-Dichloroethene
Concen: 0.210 ug/l
RT: 3.14 min Scan# 369
Delta R.T. -0.01 min
Lab File: VX015444.D
Acq: 31 Mar 2020 11:13

Tgt Ion: 96 Resp: 2433
Ion Ratio Lower Upper
96 100
61 40.7 116.9 175.3#
98 23.2 48.6 73.0#

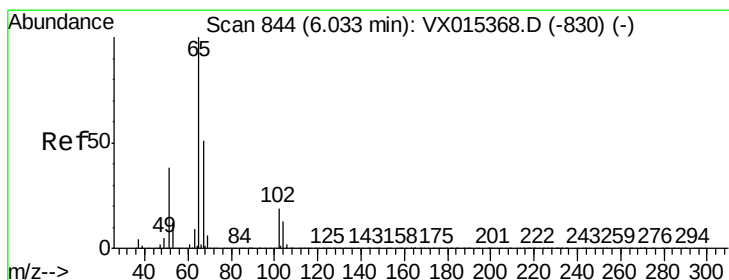
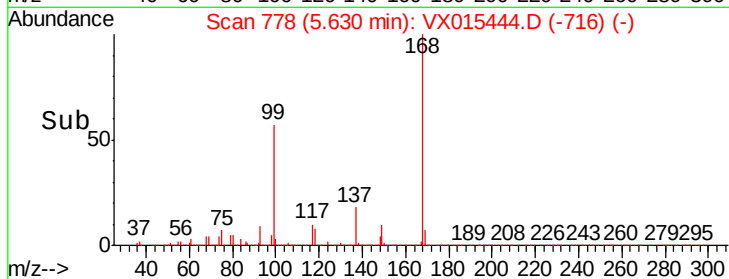
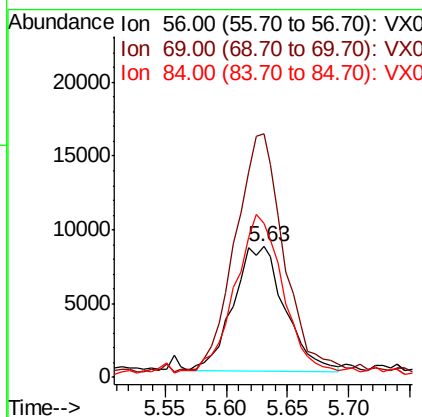
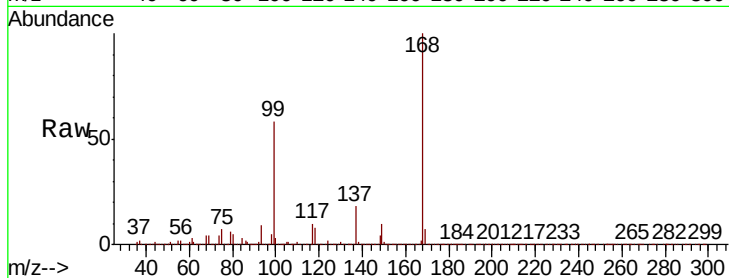




#31
Cyclohexane
Concen: 1.262 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015444.D
Acq: 31 Mar 2020 11:13

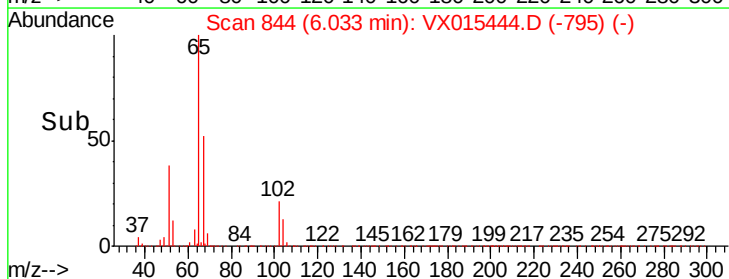
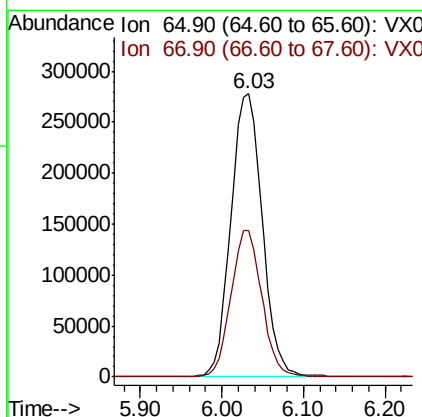
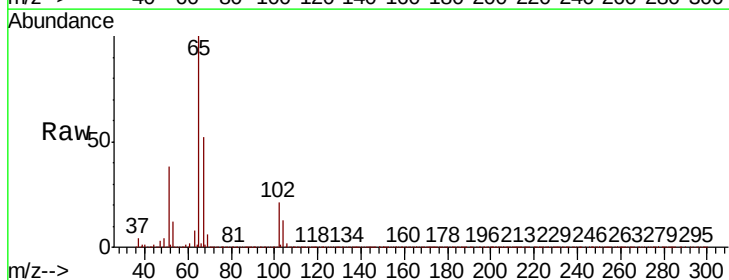
Instrument :
MSVOA_X
ClientSampled :

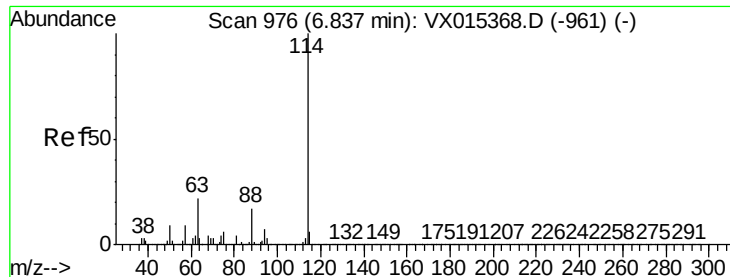
Tot Ion	Ratio	Lower	Upper
56	100		
69	190.6	24.6	36.8#
84	118.9	66.1	99.1#



#33
1,2-Dichloroethane-d4
Concen: 47.035 ug/l
RT: 6.03 min Scan# 844
Delta R.T. 0.00 min
Lab File: VX015444.D
Acq: 31 Mar 2020 11:13

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015444.D

Acq: 31 Mar 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

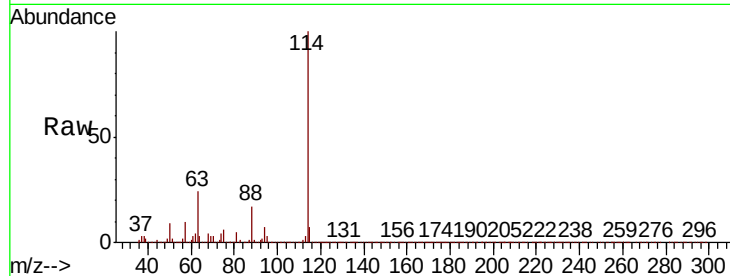
Tot Ion:114 Resp: 1776631

Ion Ratio Lower Upper

114 100

63 23.5 0.0 44.2

88 16.6 0.0 33.8



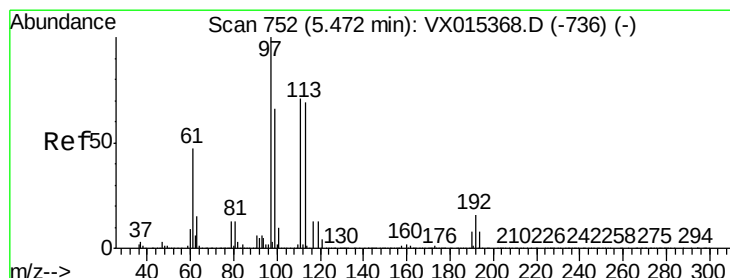
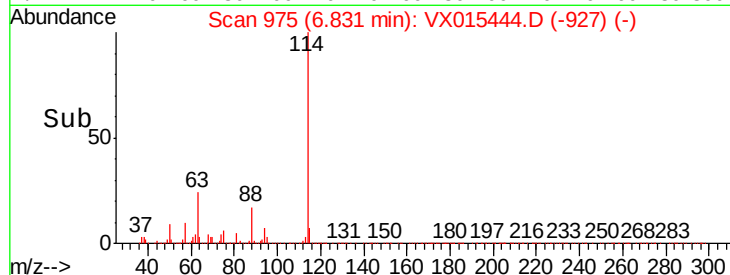
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.83

Time-->



#35

Dibromofluoromethane

Concen: 50.020 ug/l

RT: 5.47 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX015444.D

Acq: 31 Mar 2020 11:13

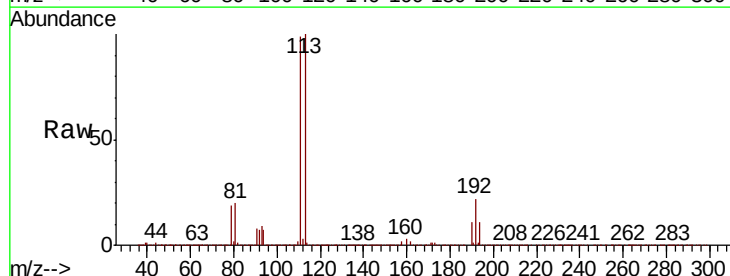
Tgt Ion:113 Resp: 568065

Ion Ratio Lower Upper

113 100

111 104.6 81.5 122.3

192 21.5 17.8 26.6



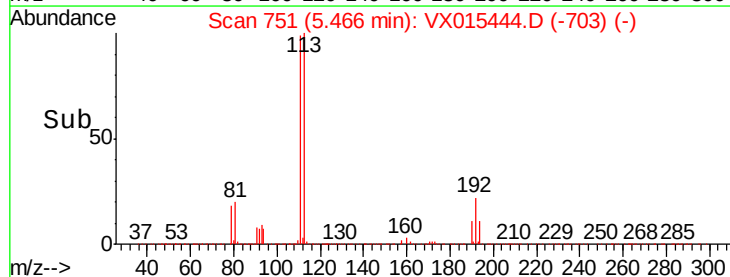
Abundance Ion 112.80 (112.50 to 113.50): V

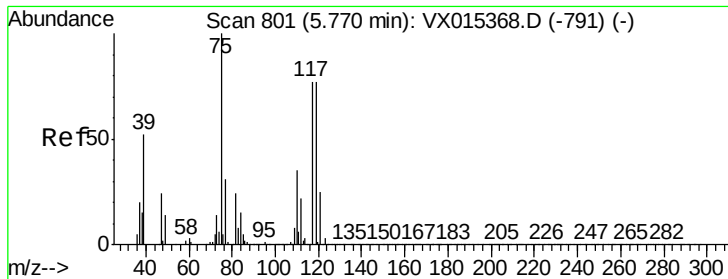
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

5.47

Time-->

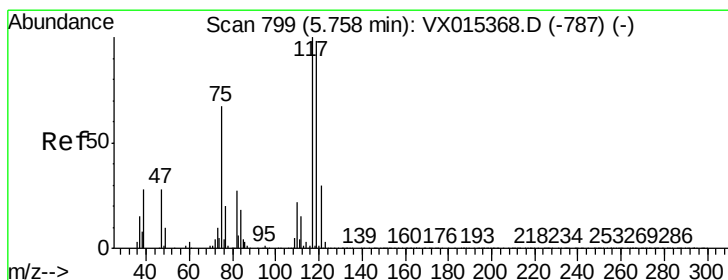
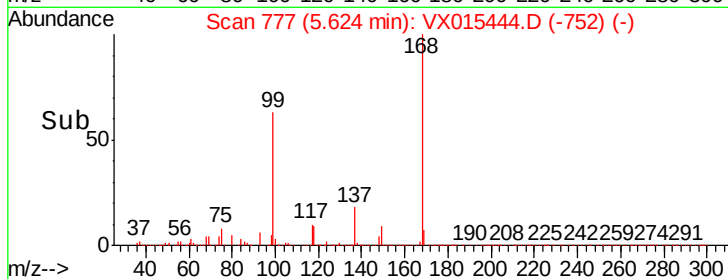
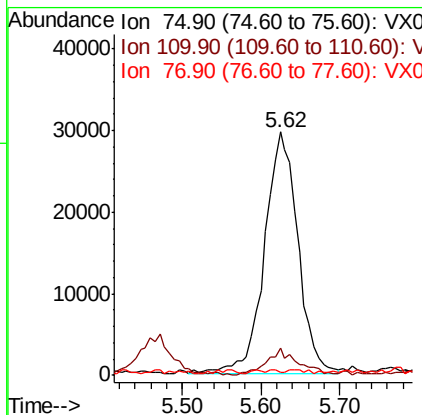
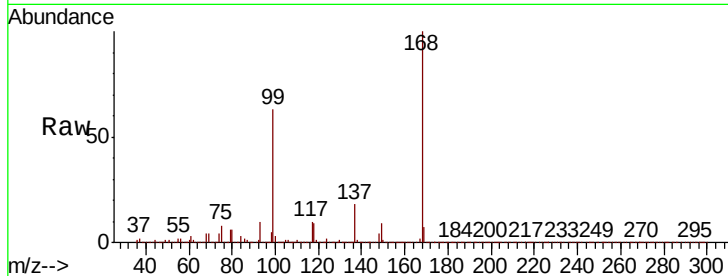




#36
 1,1-Dichloropropene
 Concen: 5.372 ug/l
 RT: 5.62 min Scan# 777
 Delta R.T. -0.15 min
 Lab File: VX015444.D
 Acq: 31 Mar 2020 11:13

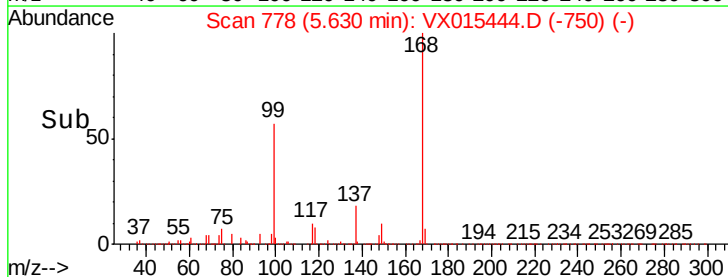
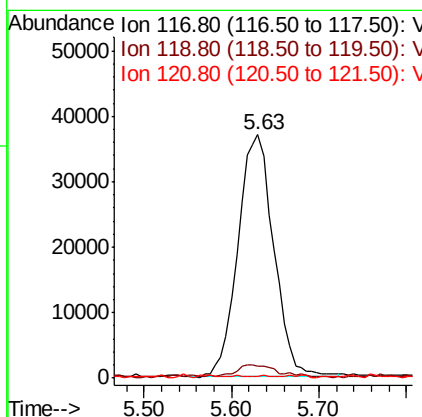
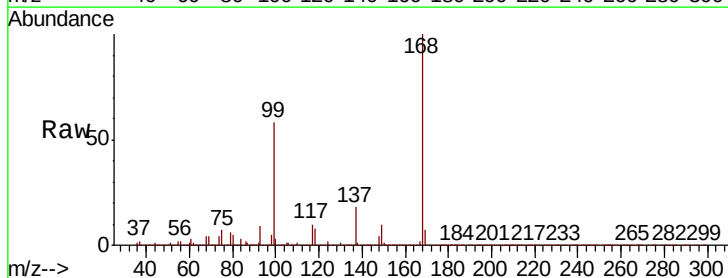
Instrument :
 MSVOA_X
 ClientSampleId :

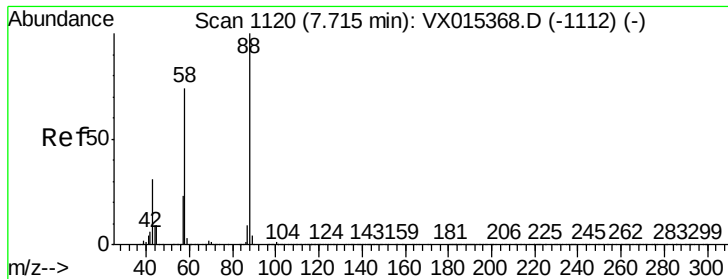
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	17.1	51.3#
77	0.4	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.899 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015444.D
 Acq: 31 Mar 2020 11:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	78.0	117.0#
121	0.1	23.8	35.8#





#49

1,4-Dioxane

Concen: 1.635 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.01 min

Lab File: VX015444.D

Acq: 31 Mar 2020 11:13

Instrument :
MSVOA_X
ClientSampled :

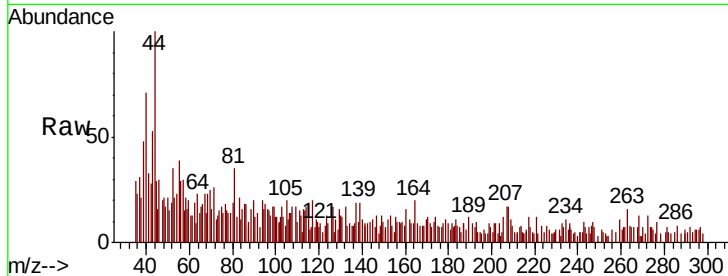
Tot Ion: 88 Resp: 548

Ion Ratio Lower Upper

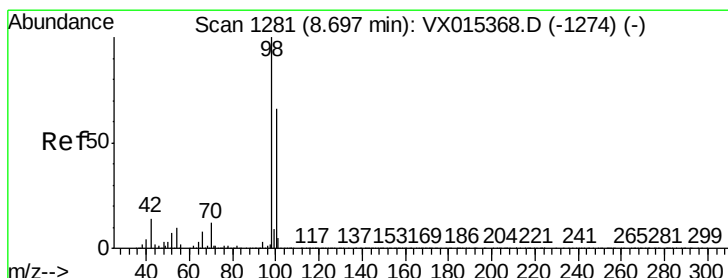
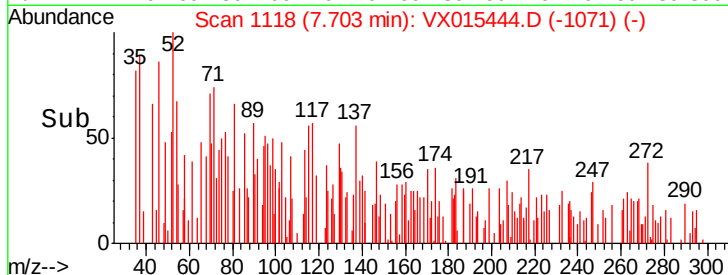
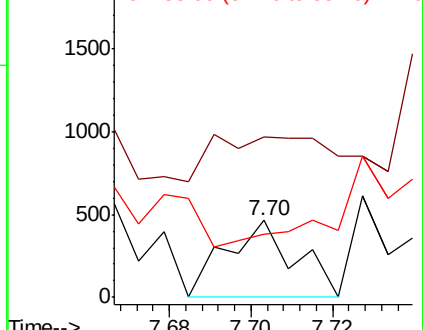
88 100

43 94.9 30.1 45.1#

58 0.0 60.6 90.8#



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: 51.721 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015444.D

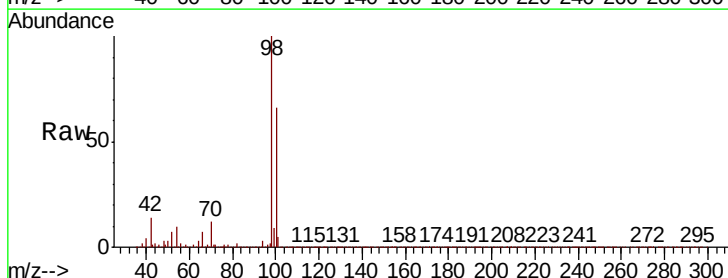
Acq: 31 Mar 2020 11:13

Tgt Ion: 98 Resp: 2162576

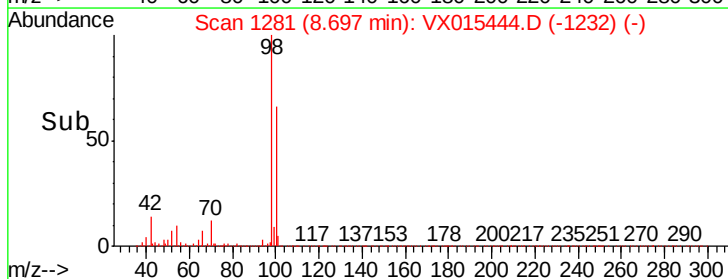
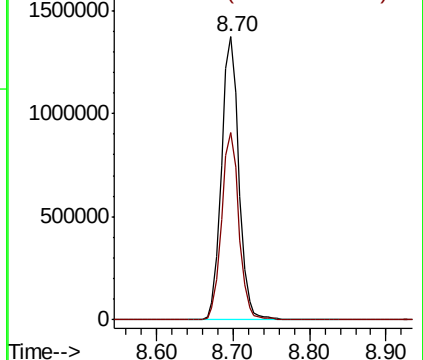
Ion Ratio Lower Upper

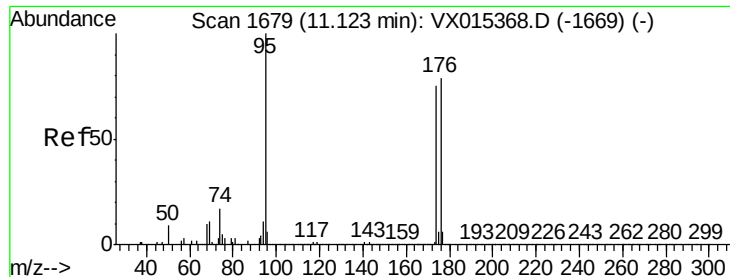
98 100

100 65.9 53.5 80.3



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





#62

4-Bromofluorobenzene

Concen: 52.377 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015444.D

Acq: 31 Mar 2020 11:13

Instrument :

MSVOA_X

ClientSampleId :

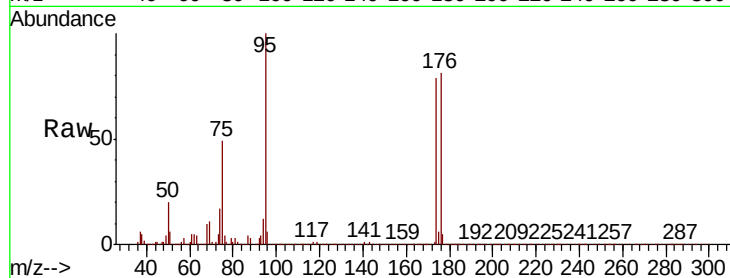
Tot Ion: 95 Resp: 890023

Ion Ratio Lower Upper

95 100

174 77.0 0.0 158.6

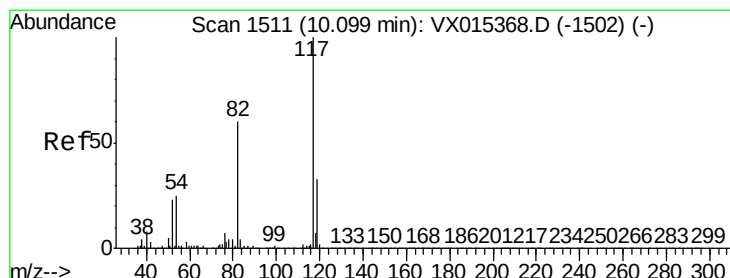
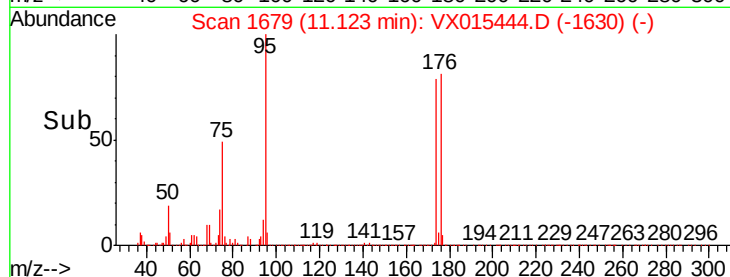
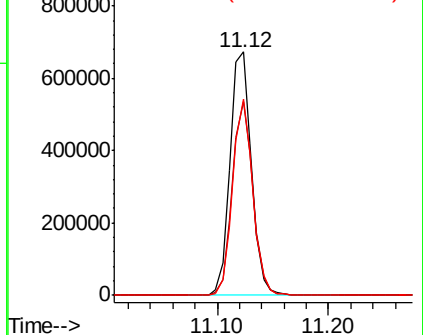
176 76.2 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015444.D

Acq: 31 Mar 2020 11:13

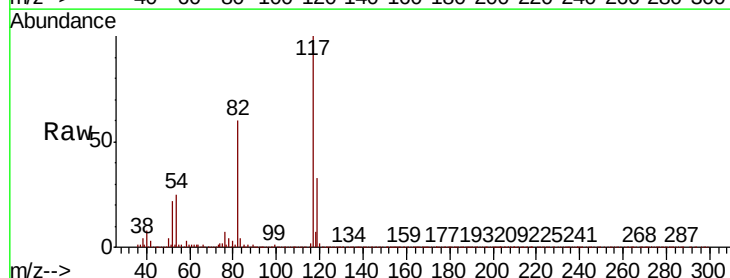
Tgt Ion: 117 Resp: 1624205

Ion Ratio Lower Upper

117 100

82 59.5 47.8 71.8

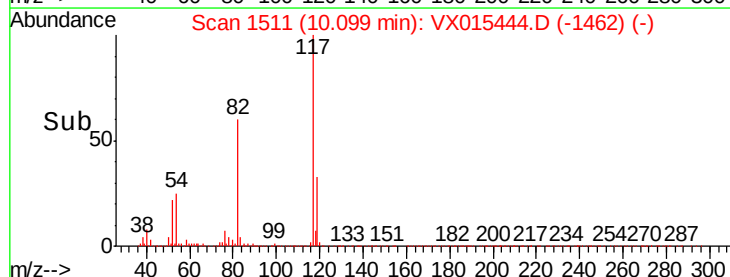
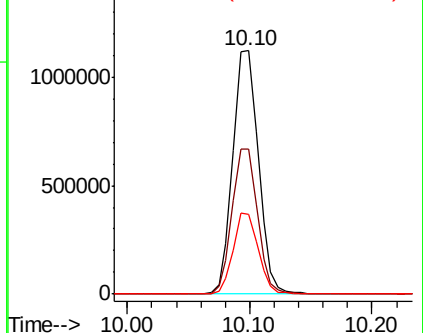
119 32.9 26.8 40.2

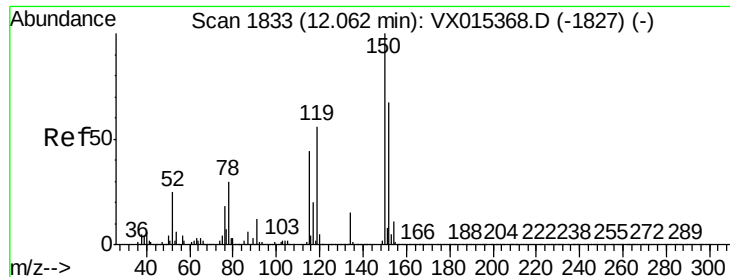


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

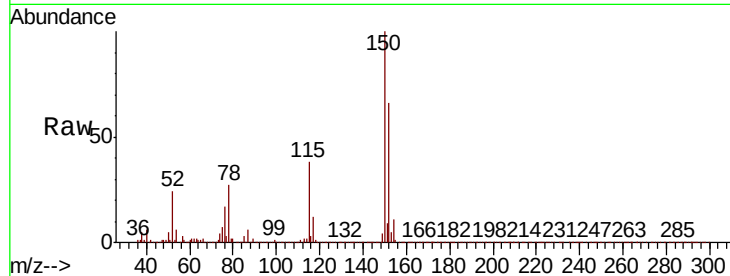




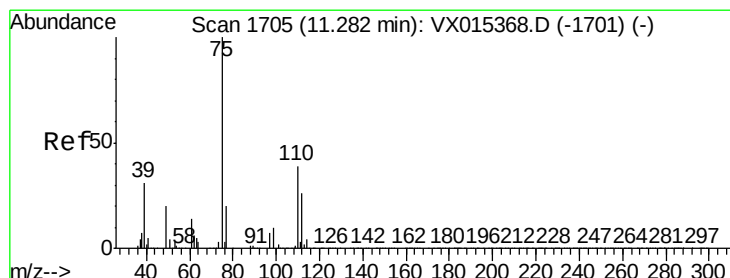
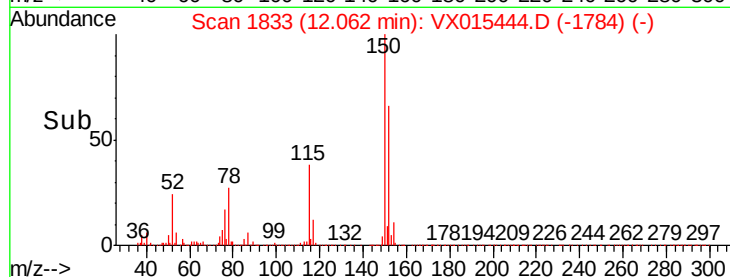
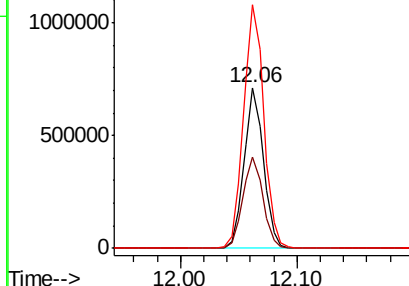
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX015444.D
 Acq: 31 Mar 2020 11:13

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.8	39.0	116.9
150	158.1	0.0	340.8

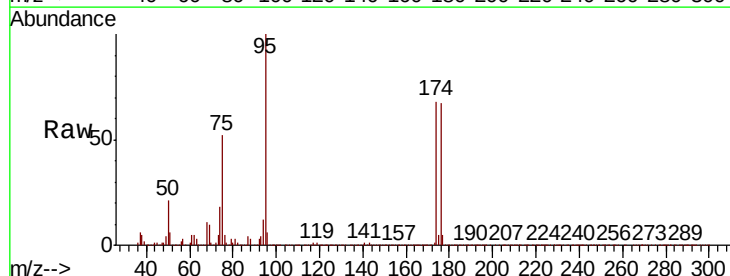


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

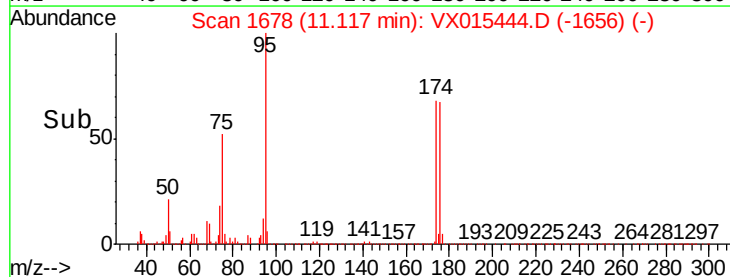
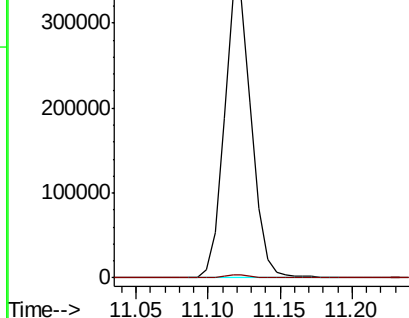


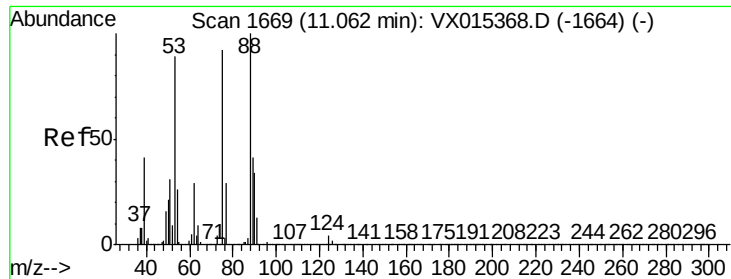
#76
 1,2,3-Trichloropropane
 Concen: 26.583 ug/l
 RT: 11.12 min Scan# 1678
 Delta R.T. -0.16 min
 Lab File: VX015444.D
 Acq: 31 Mar 2020 11:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	21.2	63.6#



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: 63.785 ug/l
 RT: 11.12 min Scan# 1678
 Delta R.T. 0.05 min
 Lab File: VX015444.D
 Acq: 31 Mar 2020 11:13

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 452913
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.1 120.1#
 89 0.1 36.1 54.1#

