

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012908.D
 Acq On : 08 Oct 2019 23:39
 Operator : JC/SP
 Sample : K5232-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

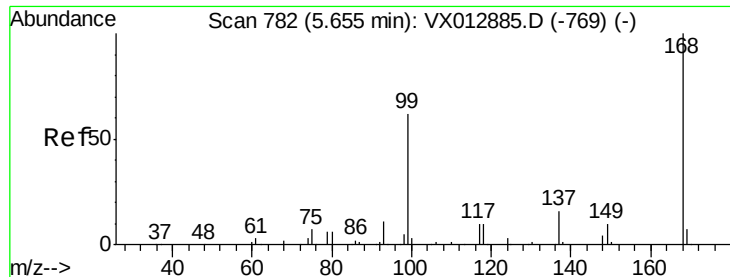
Quant Time: Oct 09 03:46:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	178205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	300312	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97218	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	115795	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
35) Dibromofluoromethane	5.49	113	88959	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
50) Toluene-d8	8.71	98	355430	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
62) 4-Bromofluorobenzene	11.13	95	118201	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	567	0.668	ug/l #	67
6) Chloroethane	1.69	64	216	0.540	ug/l #	43
10) Methyl Iodide	2.51	142	310	5.220	ug/l #	69
11) Tert butyl alcohol	3.01	59	3090	5.233	ug/l #	72
16) Acetone	2.44	43	380	0.324	ug/l #	13
20) Methylene Chloride	2.84	84	551	0.255	ug/l #	59
31) Cyclohexane	5.65	56	3721	1.151	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14355	5.437	ug/l #	46
38) Carbon Tetrachloride	5.65	117	18971	7.382	ug/l #	19
60) Dibromochloromethane	9.33	129	90	1.896	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	58860	27.297	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	58860	68.544	ug/l #	10

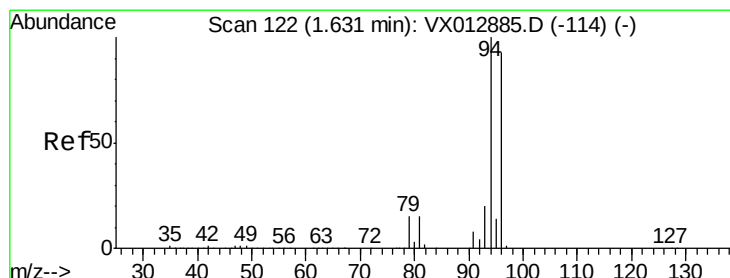
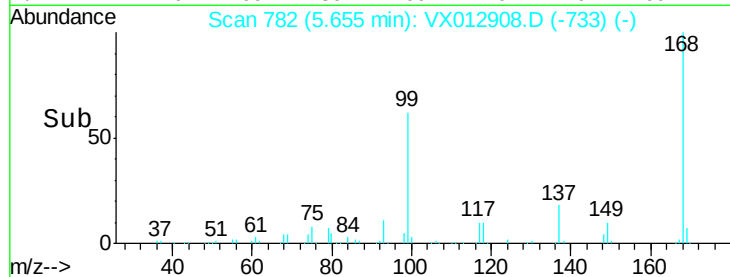
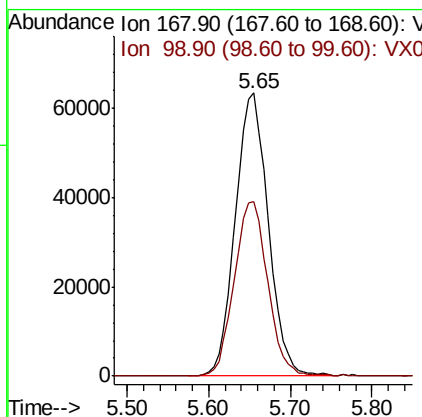
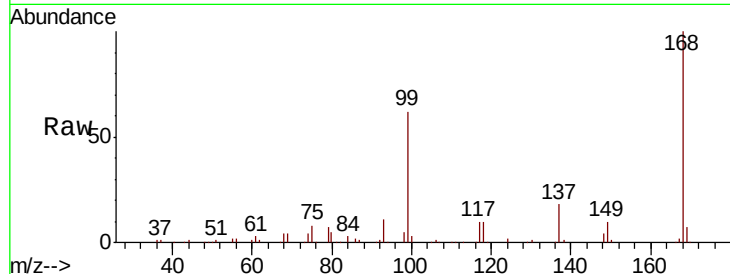
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX012908.D
Acq: 08 Oct 2019 23:39

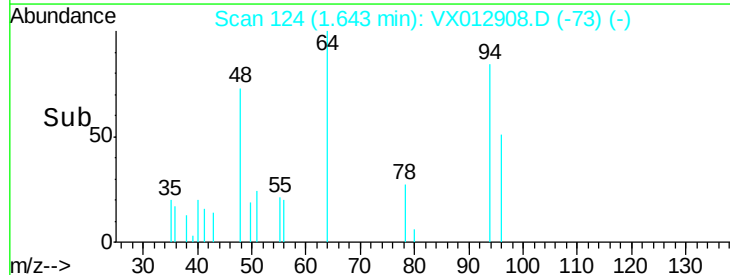
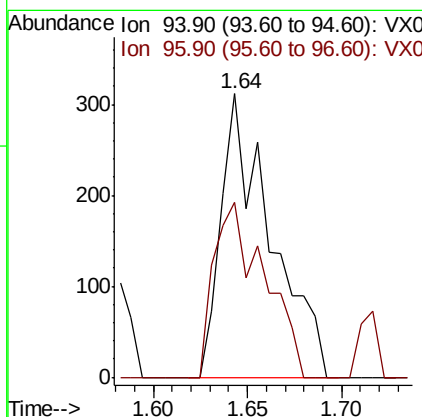
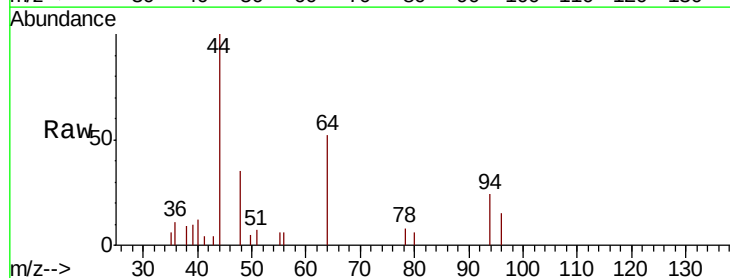
Instrument :
MSVOA_X
ClientSampleId :

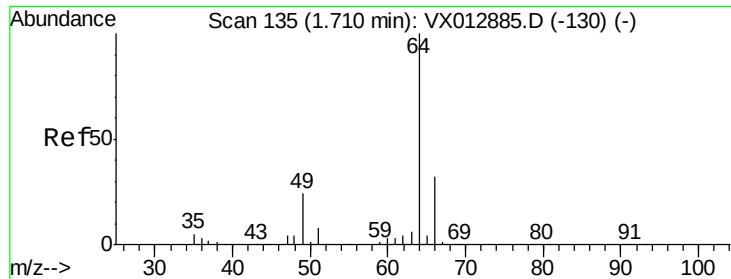
Tot Ion:168 Resp: 178205
Ion Ratio Lower Upper
168 100
99 61.6 49.4 74.0



#5
Bromomethane
Concen: 0.668 ug/l
RT: 1.64 min Scan# 124
Delta R.T. 0.01 min
Lab File: VX012908.D
Acq: 08 Oct 2019 23:39

Tgt Ion: 94 Resp: 567
Ion Ratio Lower Upper
94 100
96 61.5 74.7 112.1#





#6

Chloroethane

Concen: 0.540 ug/l

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX012908.D

Acq: 08 Oct 2019 23:39

Instrument :

MSVOA_X

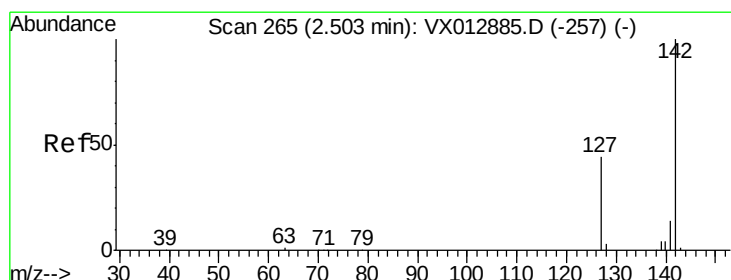
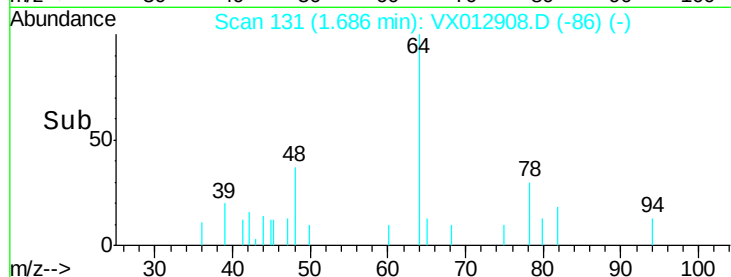
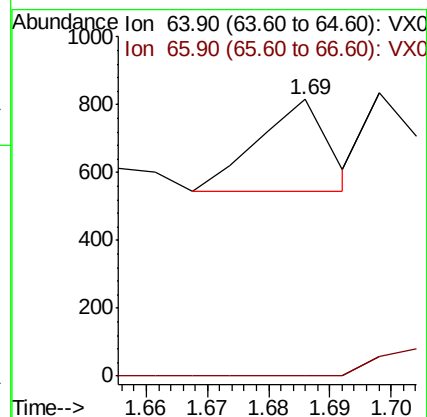
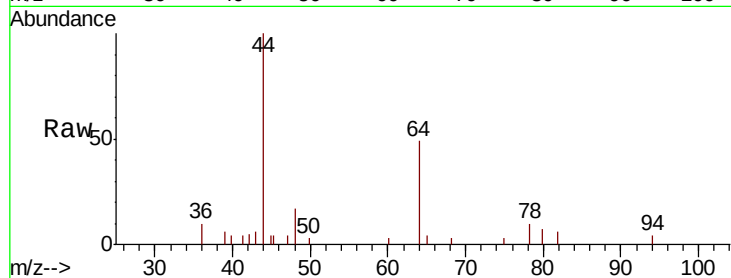
ClientSampleId :

Tot Ion: 64 Resp: 216

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#10

Methyl Iodide

Concen: 5.220 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012908.D

Acq: 08 Oct 2019 23:39

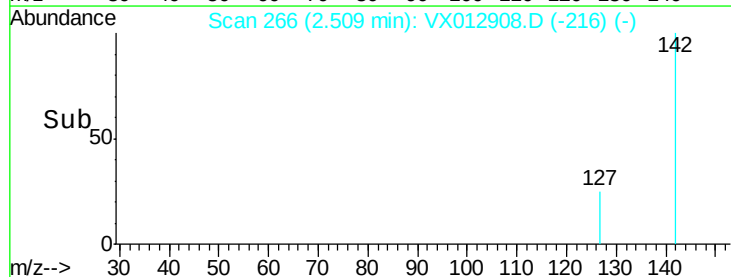
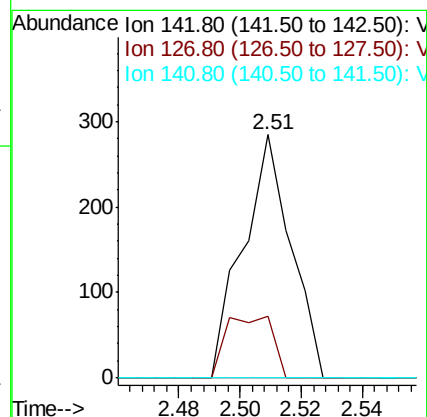
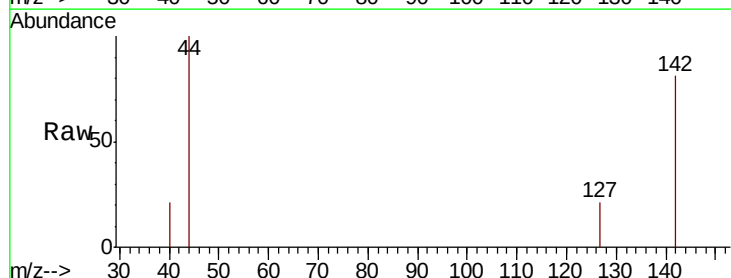
Tgt Ion: 142 Resp: 310

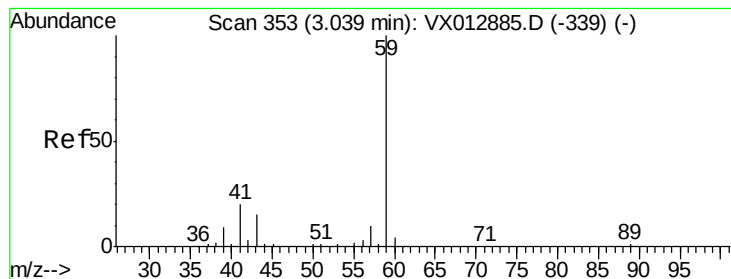
Ion Ratio Lower Upper

142 100

127 24.5 34.9 52.3#

141 0.0 11.6 17.4#



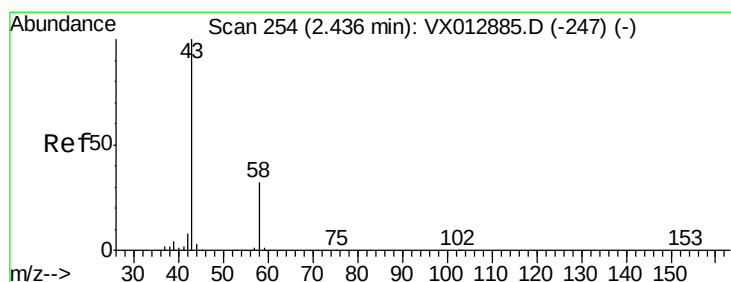
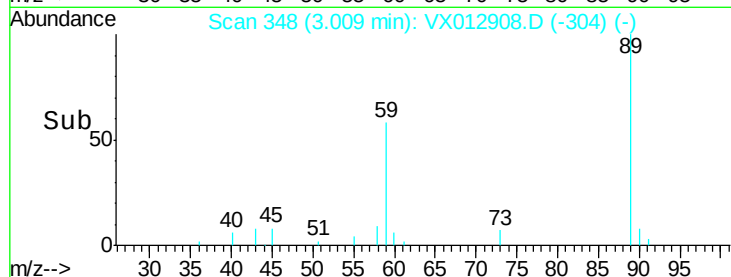
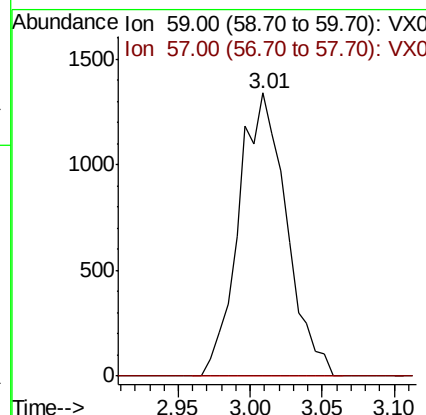
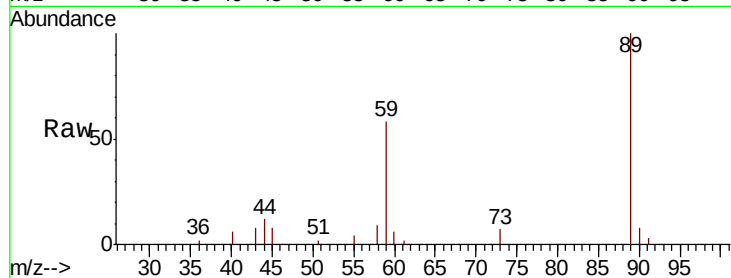


#11

Tert butyl alcohol
 Concen: 5.233 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX012908.D
 Acq: 08 Oct 2019 23:39

Instrument :
 MSVOA_X
 ClientSampled :

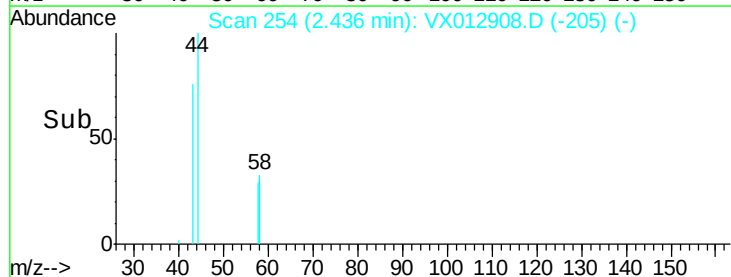
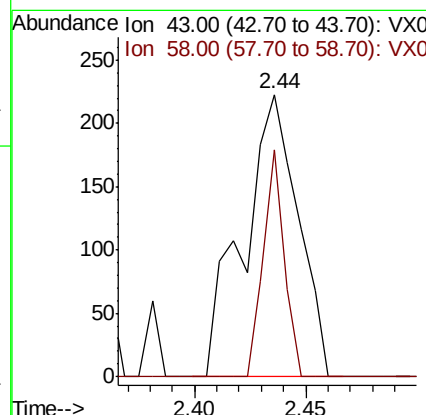
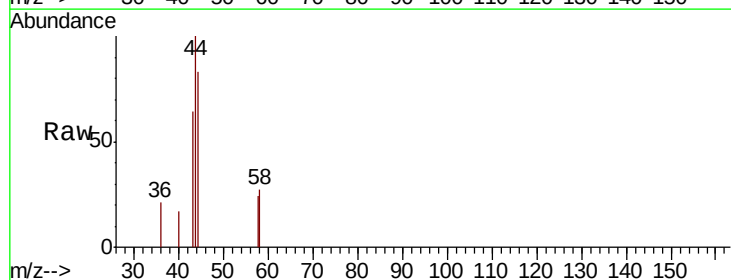
Tot Ion: 59 Resp: 3090
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

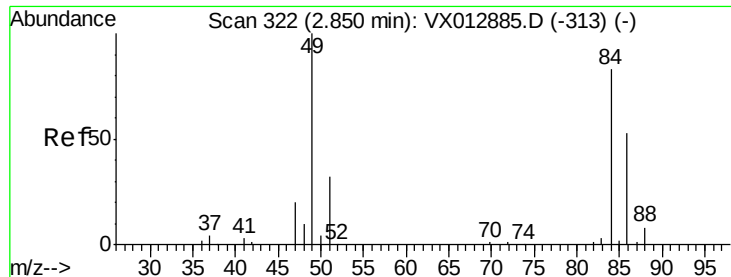


#16

Acetone
 Concen: 0.324 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX012908.D
 Acq: 08 Oct 2019 23:39

Tgt Ion: 43 Resp: 380
 Ion Ratio Lower Upper
 43 100
 58 80.3 25.4 38.2#

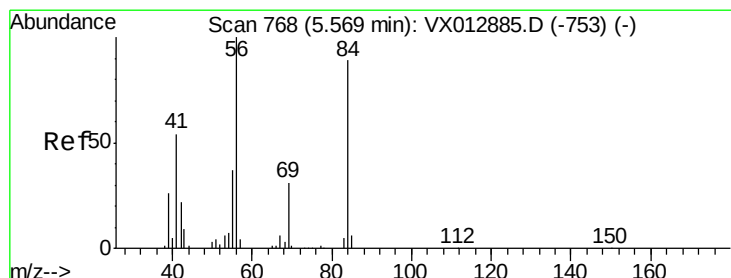
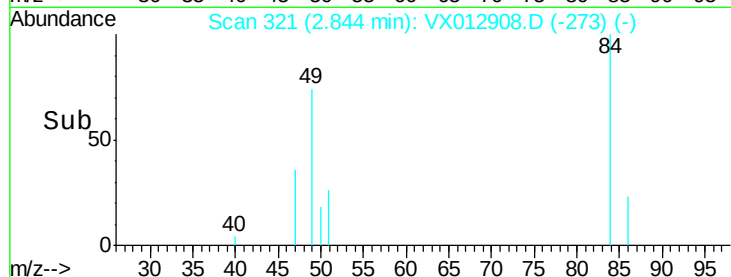
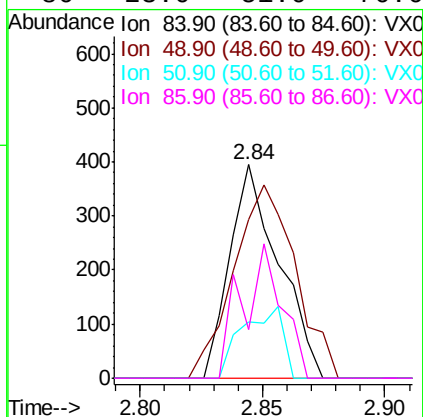
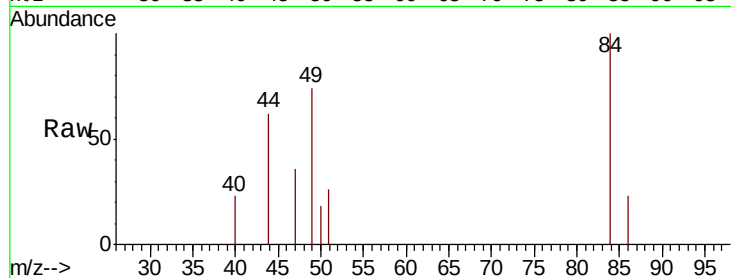




#20
Methylene Chloride
Concen: 0.255 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX012908.D
Acq: 08 Oct 2019 23:39

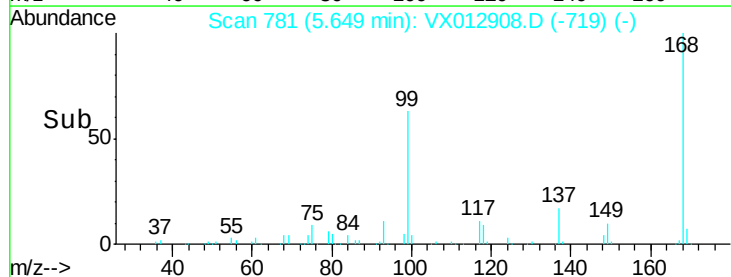
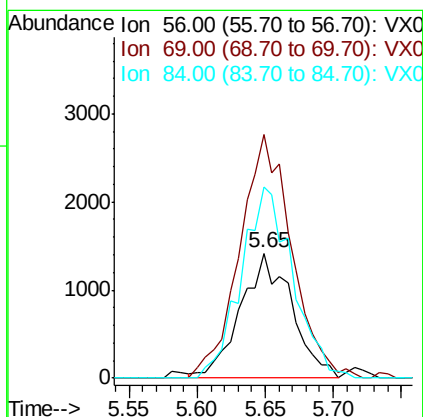
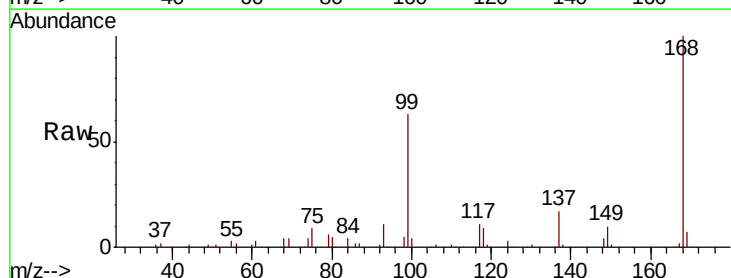
Instrument :
MSVOA_X
ClientSampleId :

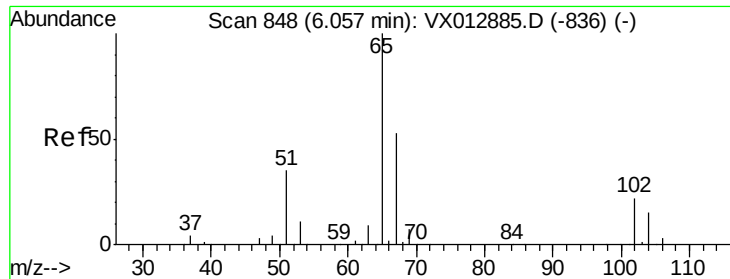
Tot Ion: 84 Resp: 551
Ion Ratio Lower Upper
84 100
49 74.2 96.6 144.8#
51 26.1 30.7 46.1#
86 23.0 51.0 76.6#



#31
Cyclohexane
Concen: 1.151 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012908.D
Acq: 08 Oct 2019 23:39

Tgt Ion: 56 Resp: 3721
Ion Ratio Lower Upper
56 100
69 194.8 25.2 37.8#
84 152.9 71.3 106.9#

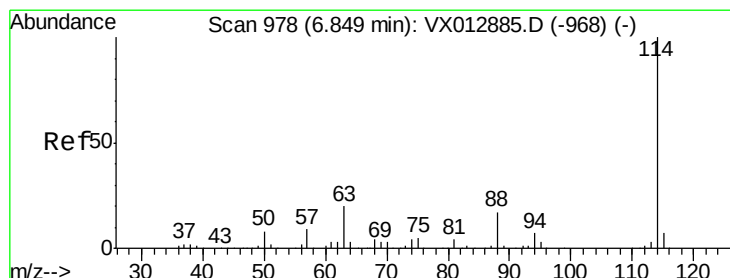
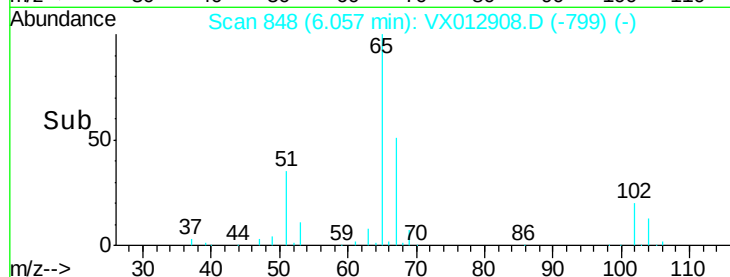
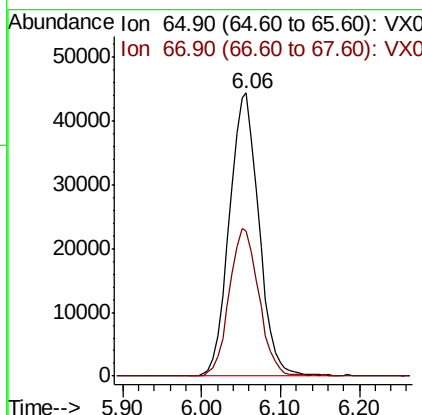
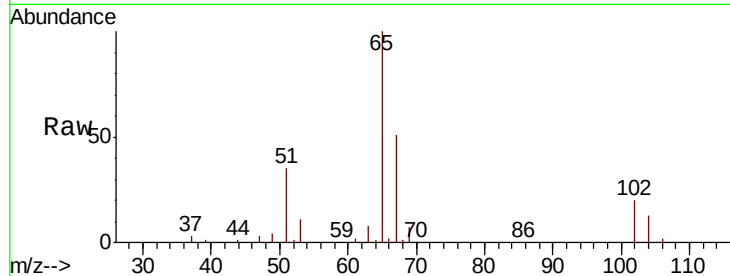




#33
 1,2-Dichloroethane-d4
 Concen: 51.988 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX012908.D
 Acq: 08 Oct 2019 23:39

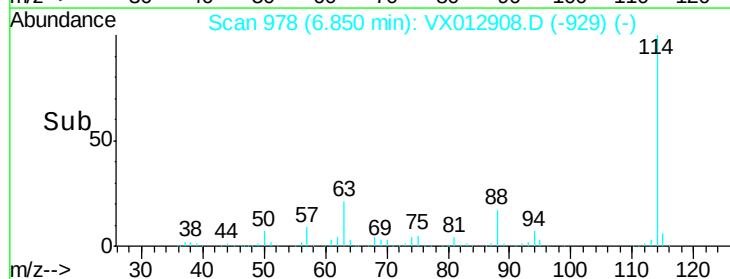
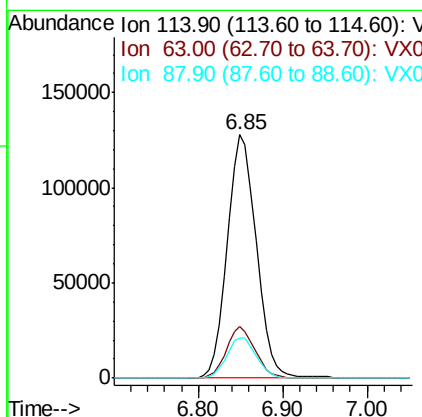
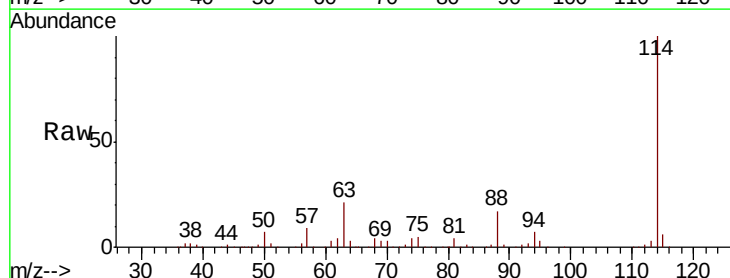
Instrument :
 MSVOA_X
 ClientSampleId :

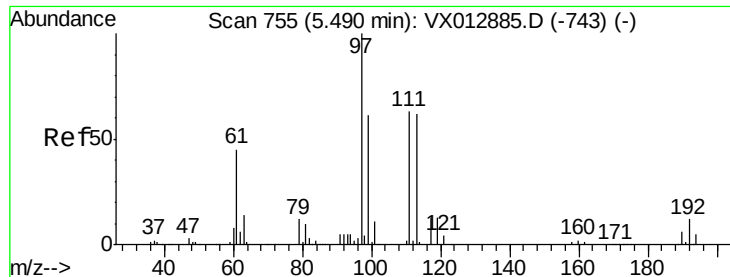
Tot Ion: 65 Resp: 115795
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012908.D
 Acq: 08 Oct 2019 23:39

Tgt Ion: 114 Resp: 300312
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.8
 88 16.6 0.0 33.8

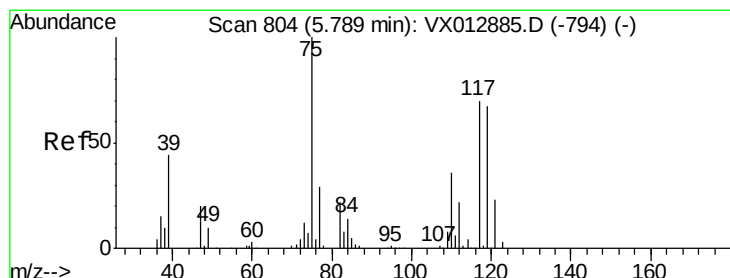
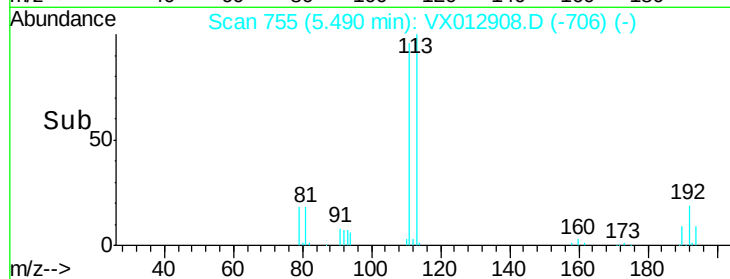
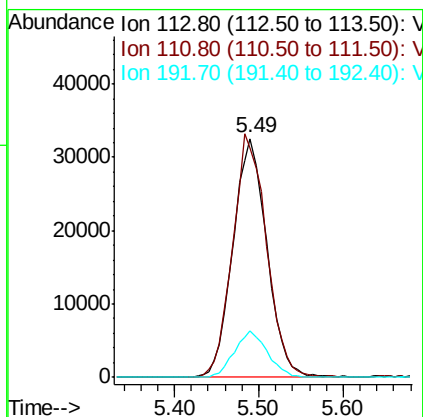
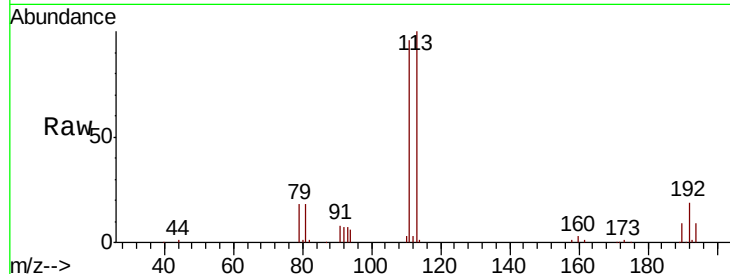




#35
 Dibromofluoromethane
 Concen: 51.611 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012908.D
 Acq: 08 Oct 2019 23:39

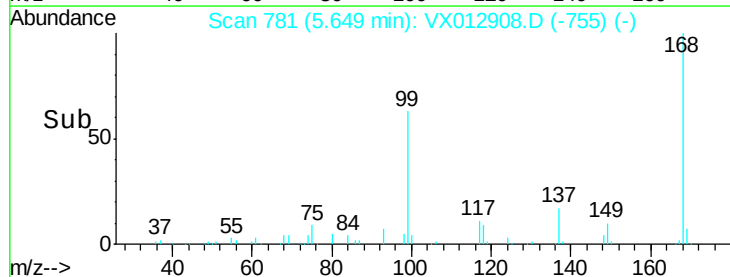
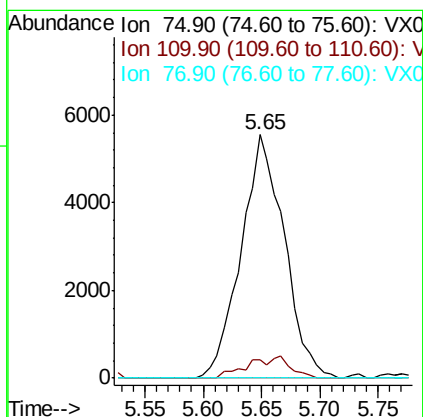
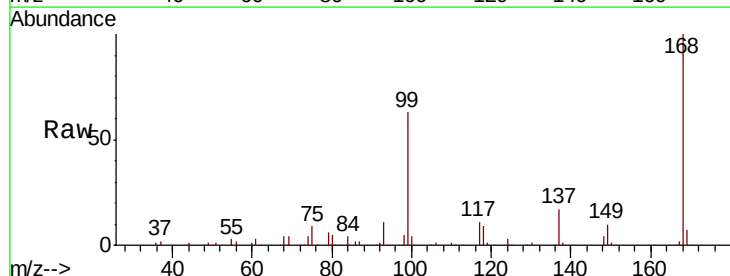
Instrument :
 MSVOA_X
 ClientSampleId :

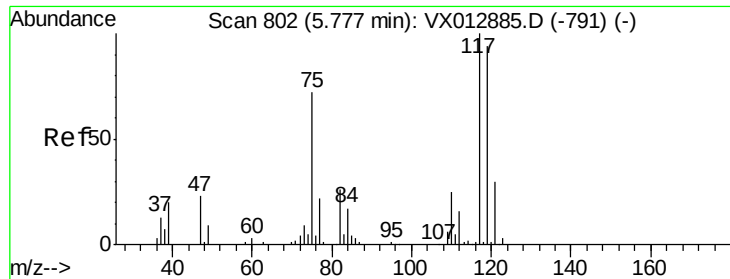
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.2	124.8
192	18.9	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 5.437 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012908.D
 Acq: 08 Oct 2019 23:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.6	17.6	52.9#
77	0.0	24.4	36.6#

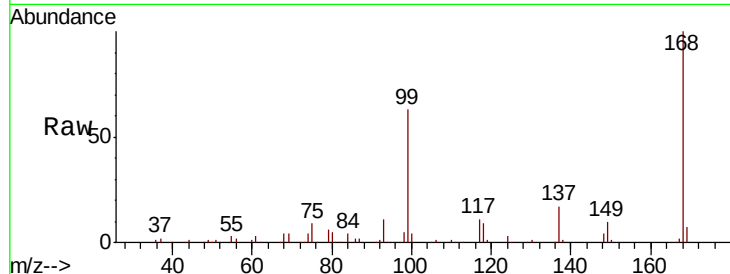




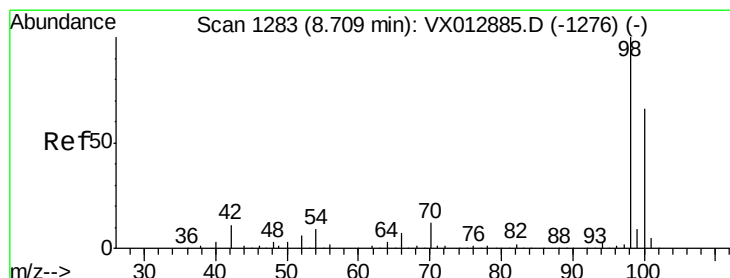
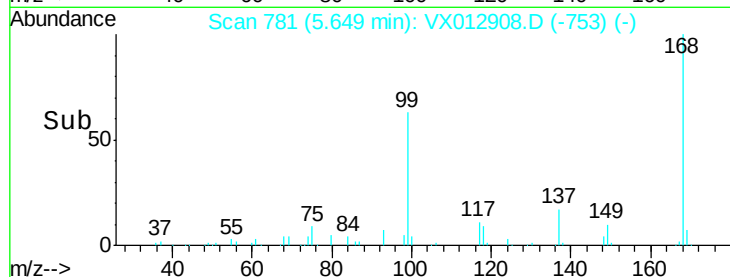
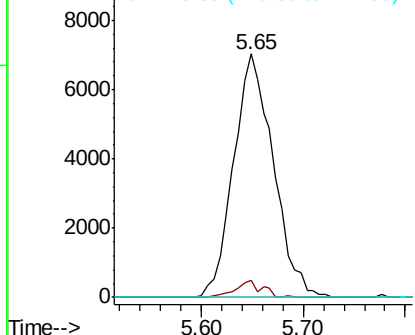
#38
Carbon Tetrachloride
Concen: 7.382 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012908.D
Acq: 08 Oct 2019 23:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18971
Ion Ratio Lower Upper
117 100
119 6.9 74.5 111.7#
121 0.0 24.2 36.4#

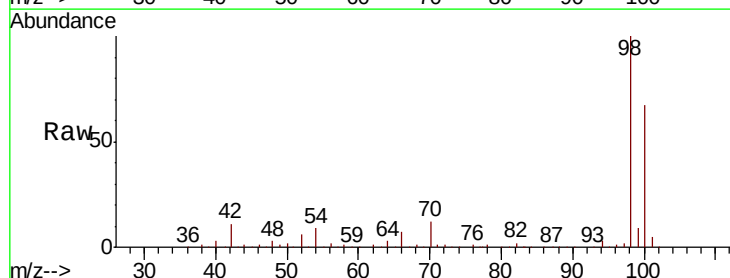


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

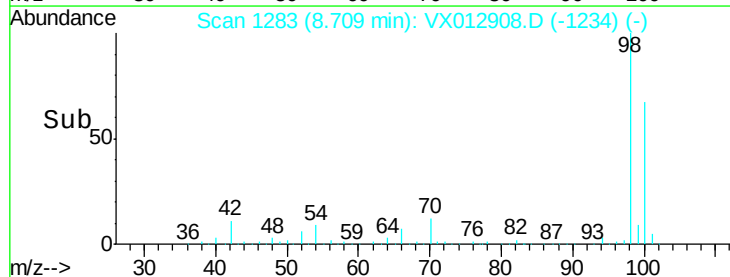
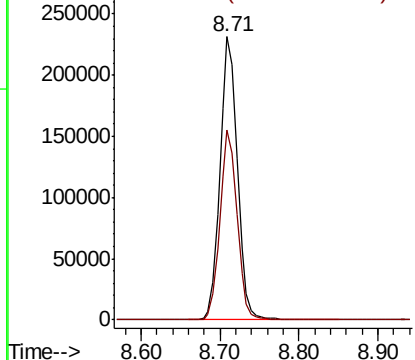


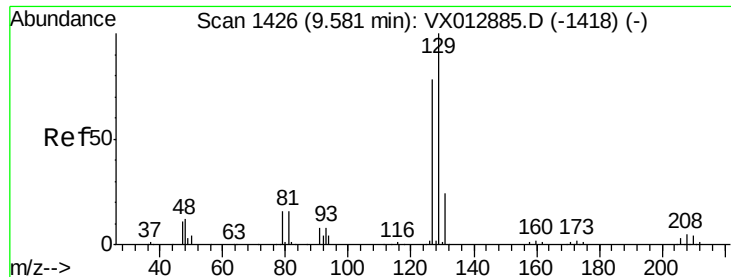
#50
Toluene-d8
Concen: 52.871 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012908.D
Acq: 08 Oct 2019 23:39

Tgt Ion: 98 Resp: 355430
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.2



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

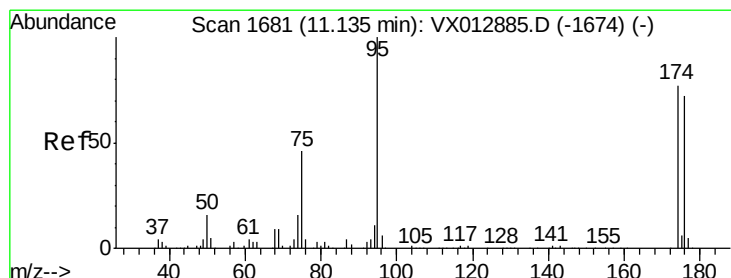
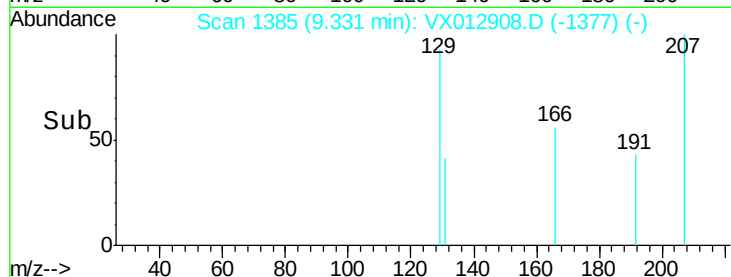
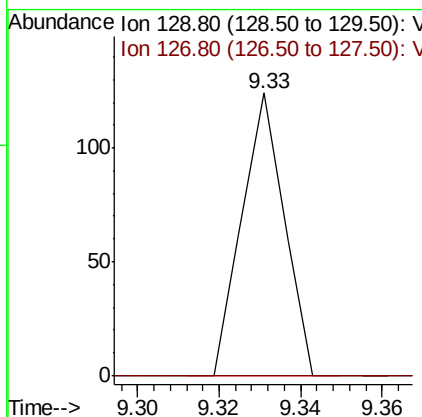
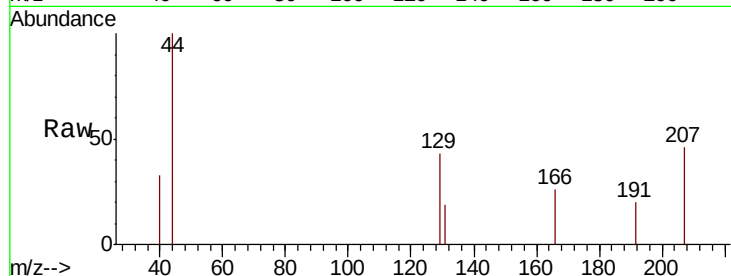




#60
 Dibromochloromethane
 Concen: 1.896 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.25 min
 Lab File: VX012908.D
 Acq: 08 Oct 2019 23:39

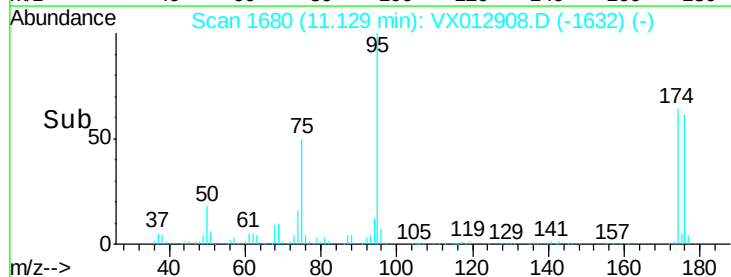
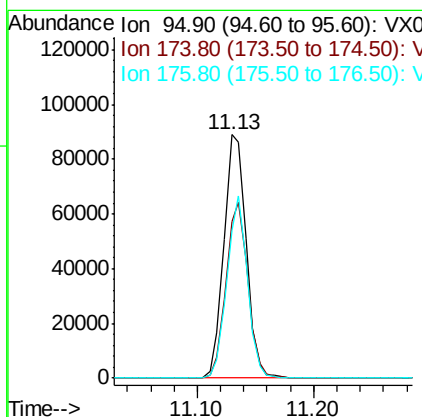
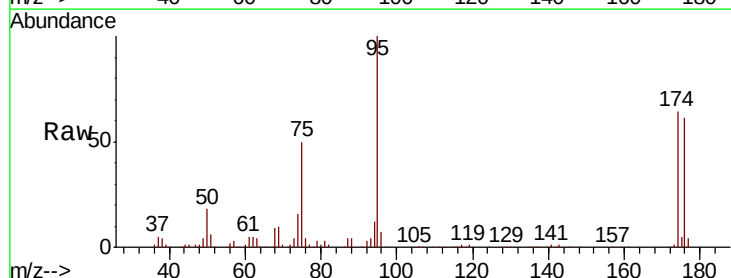
Instrument :
 MSVOA_X
 ClientSampleId :

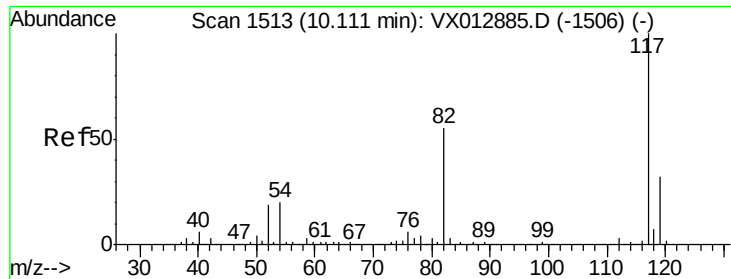
Tot Ion:129 Resp: 90
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#



#62
 4-Bromofluorobenzene
 Concen: 45.251 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX012908.D
 Acq: 08 Oct 2019 23:39

Tgt Ion: 95 Resp: 118201
 Ion Ratio Lower Upper
 95 100
 174 70.7 0.0 143.4
 176 68.7 0.0 136.0

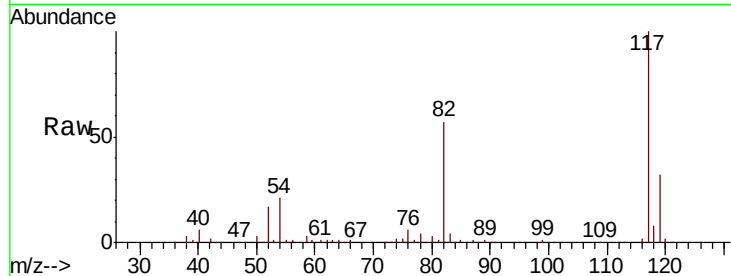




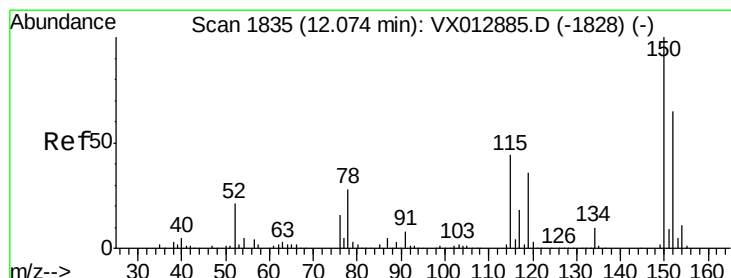
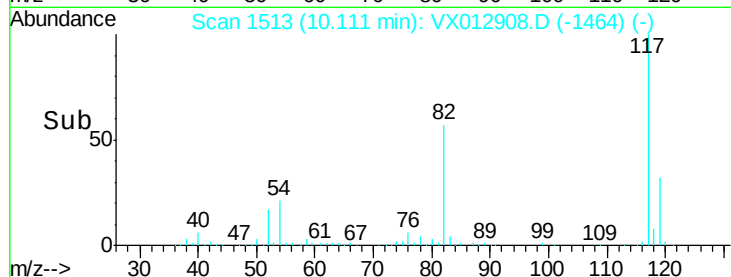
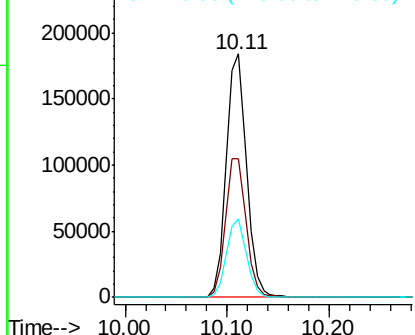
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012908.D
Acq: 08 Oct 2019 23:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 252548
Ion Ratio Lower Upper
117 100
82 56.9 44.1 66.1
119 32.4 25.8 38.8

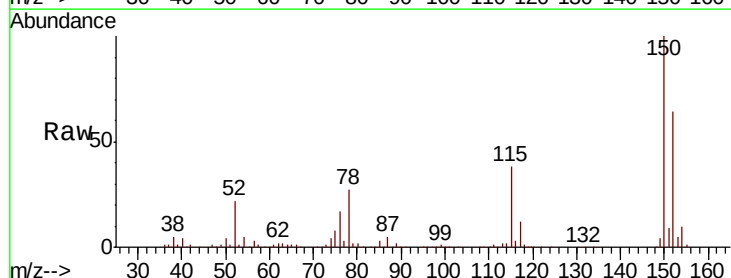


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

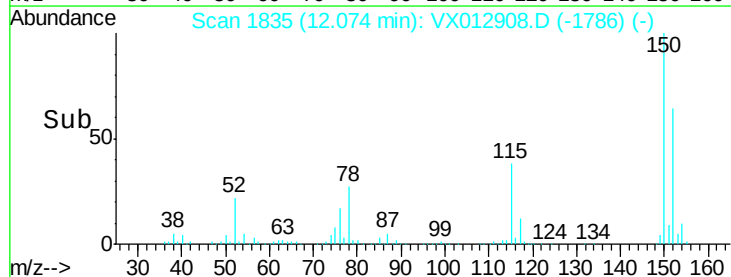
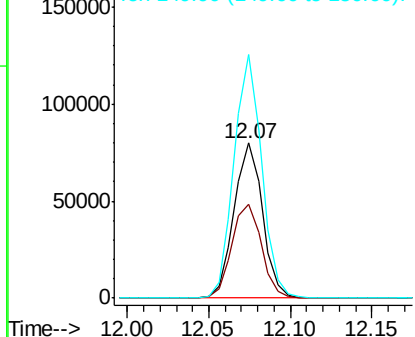


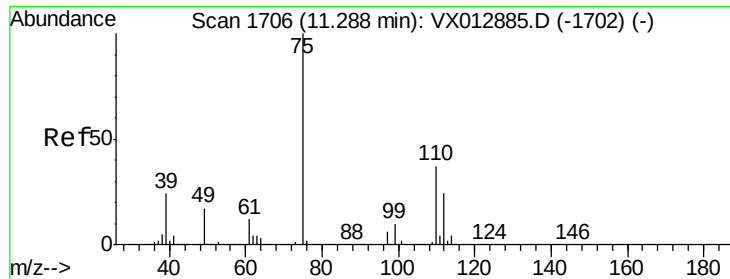
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012908.D
Acq: 08 Oct 2019 23:39

Tgt Ion:152 Resp: 97218
Ion Ratio Lower Upper
152 100
115 62.4 44.5 133.5
150 152.8 0.0 353.4



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





#76

1,2,3-Trichloropropane

Concen: 27.297 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012908.D

Acq: 08 Oct 2019 23:39

Instrument :

MSVOA_X

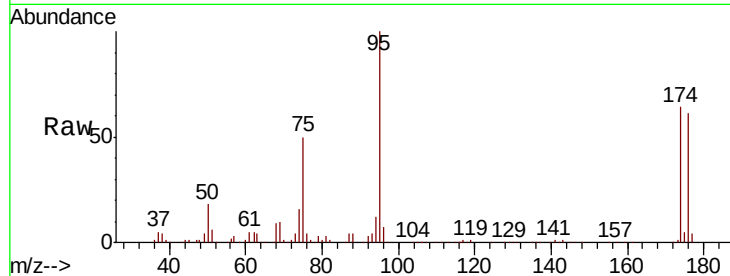
ClientSampleId :

Tot Ion: 75 Resp: 58860

Ion Ratio Lower Upper

75 100

77 1.1 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

40000

30000

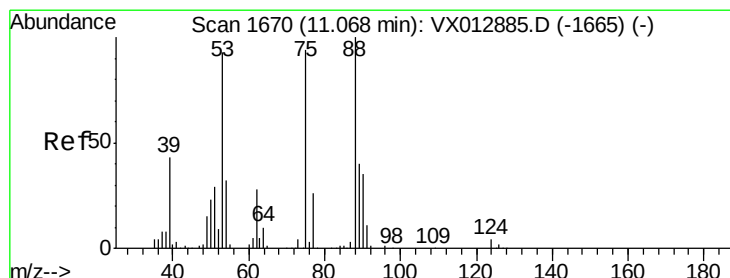
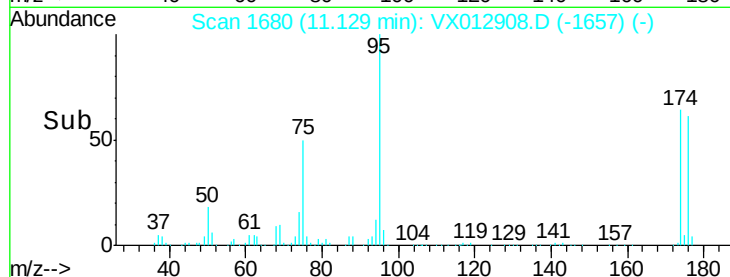
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 68.544 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012908.D

Acq: 08 Oct 2019 23:39

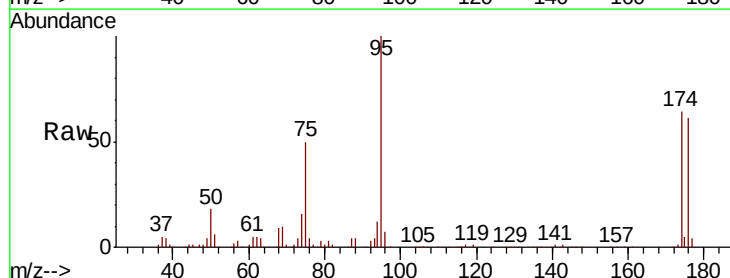
Tgt Ion: 75 Resp: 58860

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



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

60000

50000

40000

30000

20000

10000

0

Time-->

11.10 11.20

