

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012944.D
 Acq On : 09 Oct 2019 15:46
 Operator : JC/SP
 Sample : K5234-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

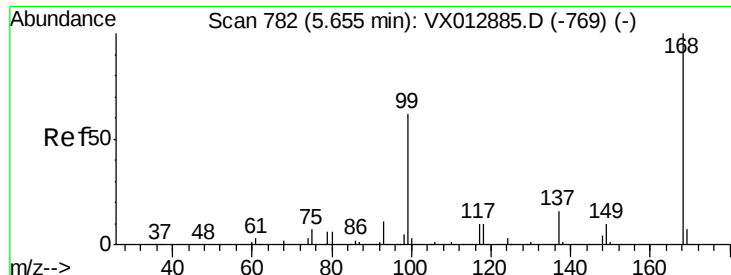
Quant Time: Oct 10 01:37:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	179018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	301841	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98737	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	117549	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
35) Dibromofluoromethane	5.49	113	90512	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
50) Toluene-d8	8.71	98	351546	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	11.14	95	118188	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	450	0.227	ug/l #	73
5) Bromomethane	1.65	94	198	0.232	ug/l #	54
6) Chloroethane	1.71	64	267	0.579	ug/l #	54
11) Tert butyl alcohol	3.03	59	571	0.963	ug/l	96
16) Acetone	2.44	43	843	0.715	ug/l	100
20) Methylene Chloride	2.86	84	622	0.287	ug/l #	71
31) Cyclohexane	5.65	56	3986	1.227	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14623	5.510	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18333	7.097	ug/l #	19
51) 4-Methyl-2-Pentanone	8.71	43	1528	0.515	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	60201	27.489	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	60201	68.998	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: VX012944.D

Acq: 09 Oct 2019 15:46

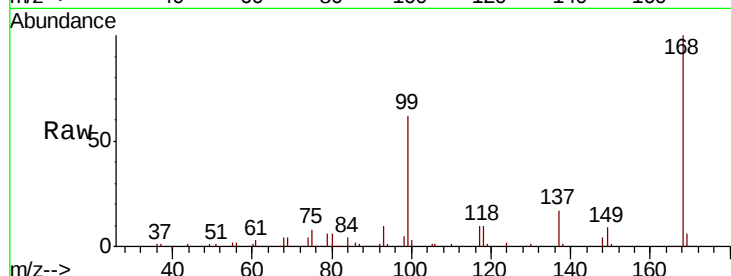
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 179018

Ion Ratio Lower Upper

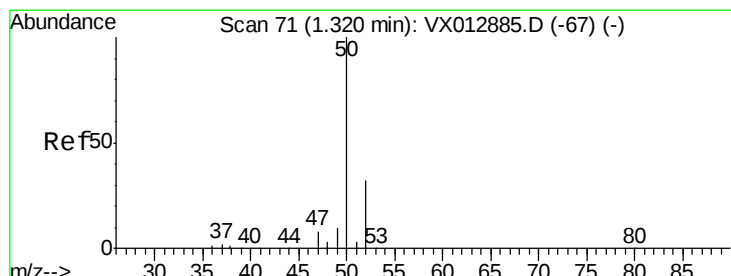
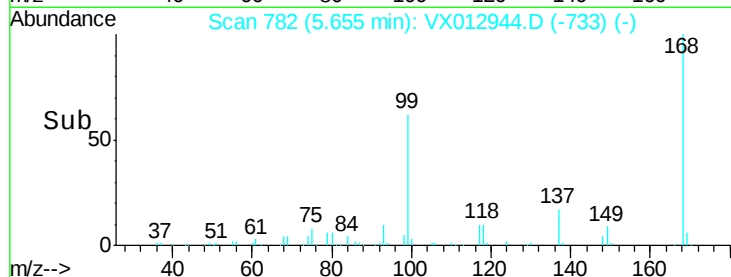
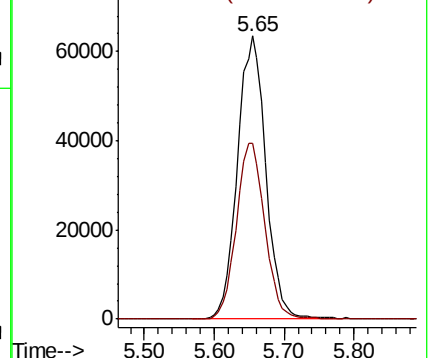
168 100

99 62.0 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.227 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012944.D

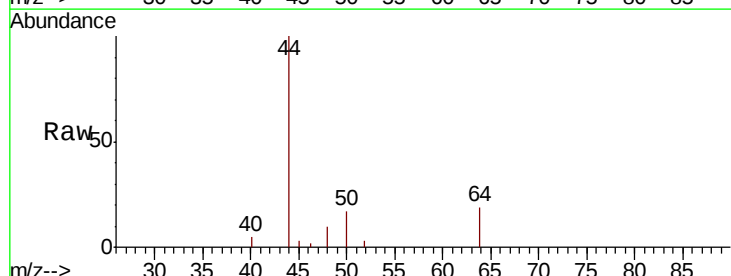
Acq: 09 Oct 2019 15:46

Tgt Ion: 50 Resp: 450

Ion Ratio Lower Upper

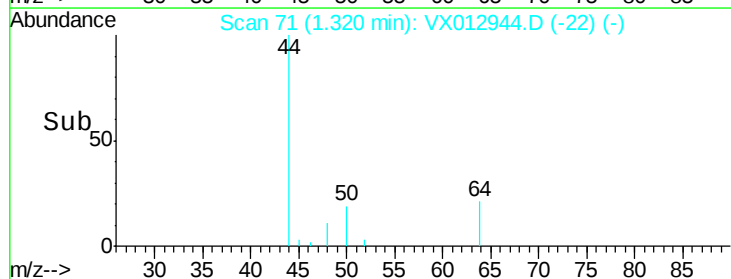
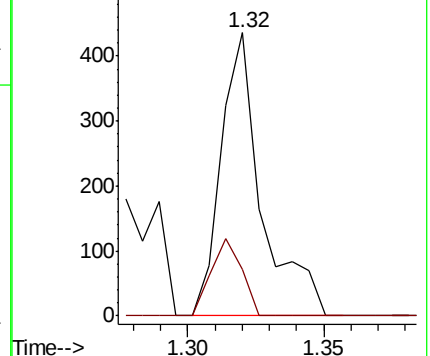
50 100

52 16.3 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.232 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012944.D

Acq: 09 Oct 2019 15:46

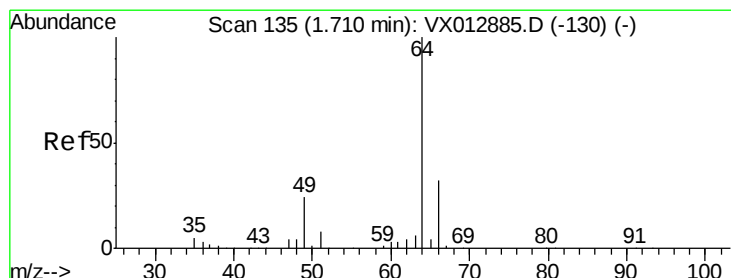
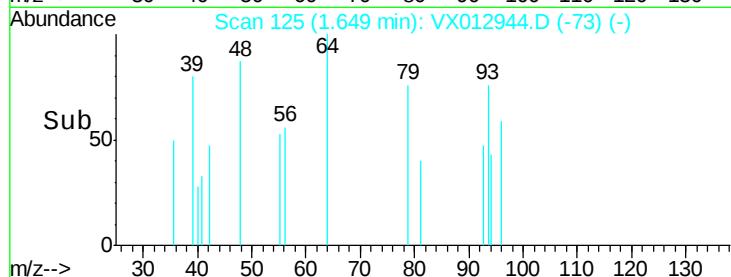
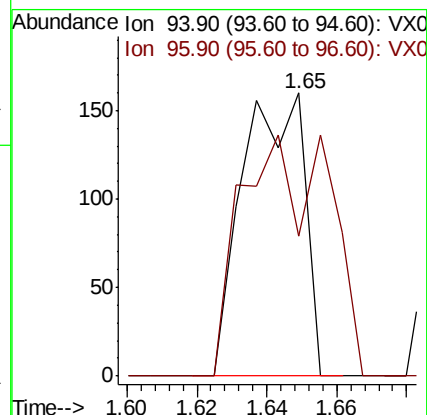
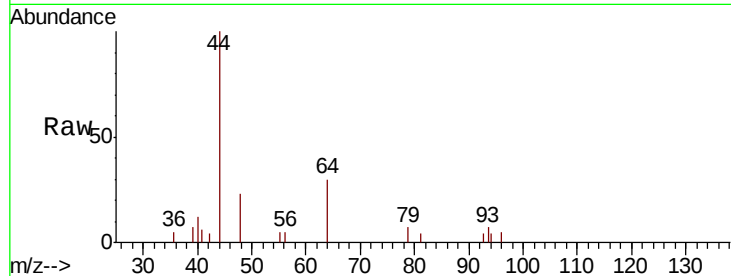
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 198

Ion Ratio Lower Upper

94 100

96 49.4 74.7 112.1#



#6

Chloroethane

Concen: 0.579 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012944.D

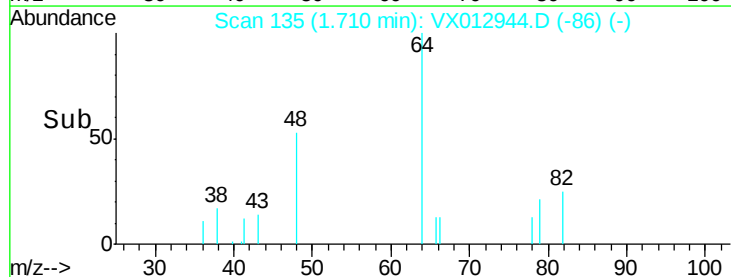
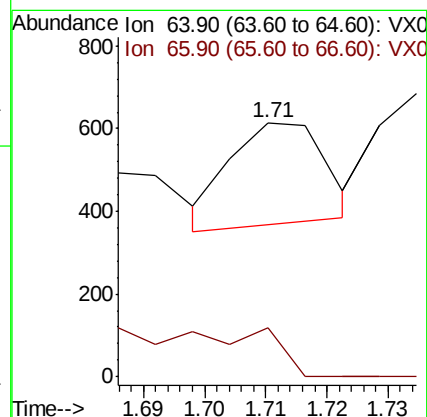
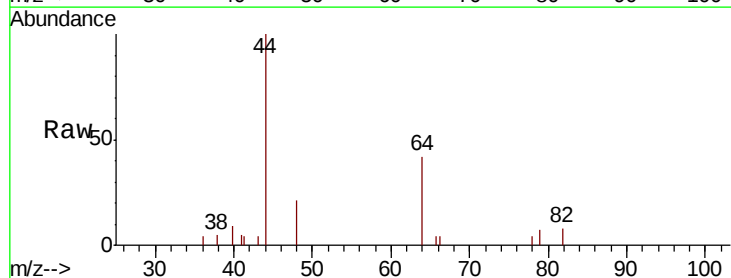
Acq: 09 Oct 2019 15:46

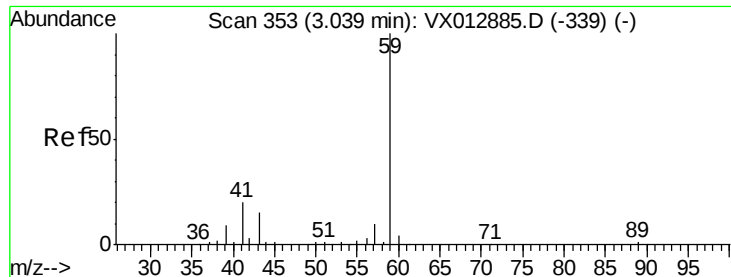
Tgt Ion: 64 Resp: 267

Ion Ratio Lower Upper

64 100

66 57.9 25.6 38.4#

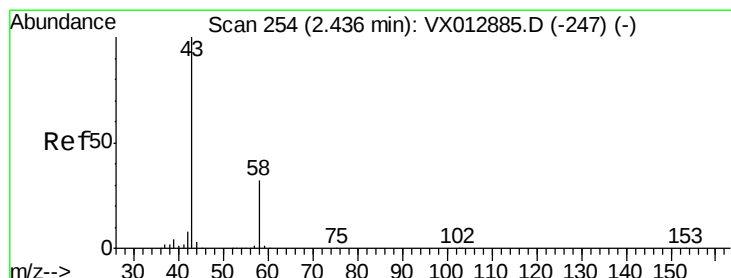
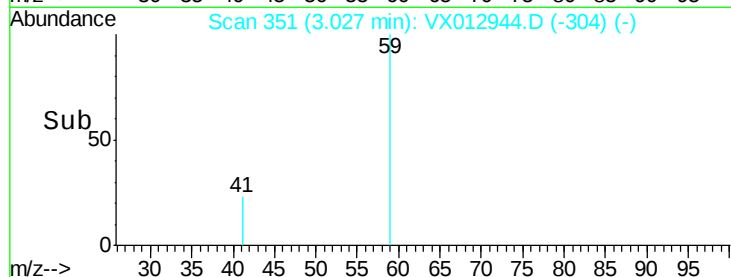
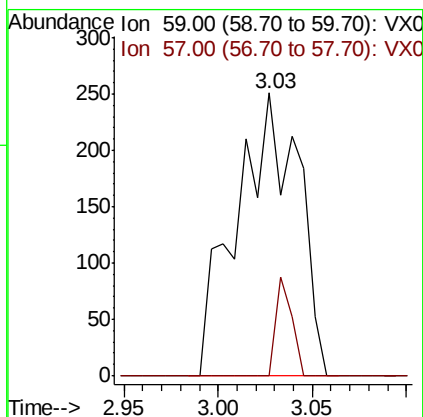
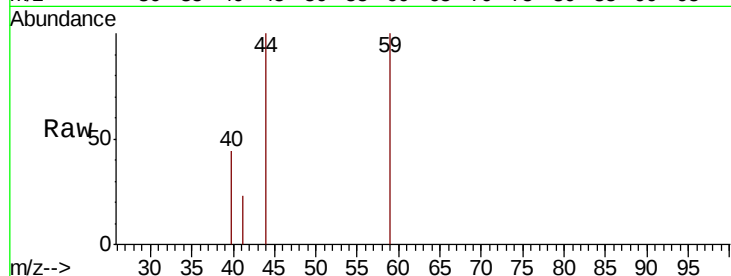




#11
Tert butyl alcohol
Concen: 0.963 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012944.D
Acq: 09 Oct 2019 15:46

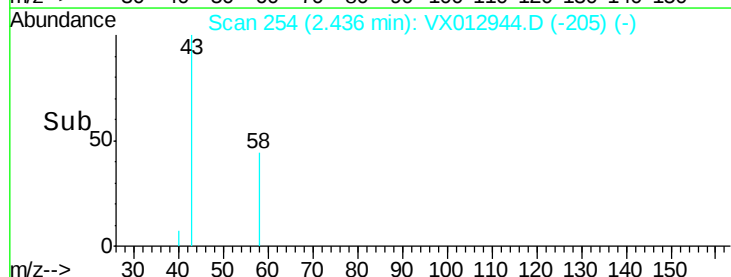
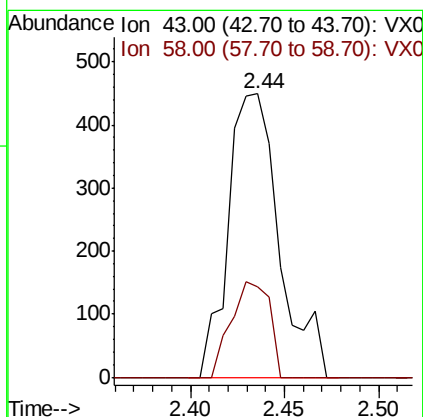
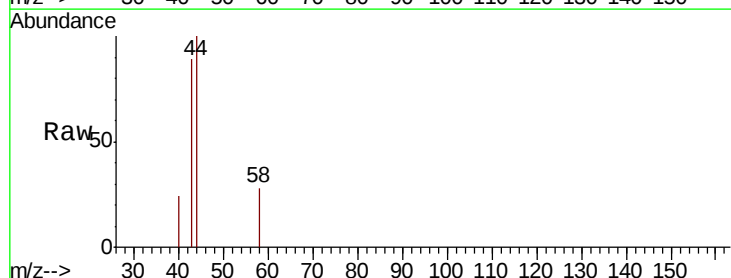
Instrument :
MSVOA_X
ClientSampled :

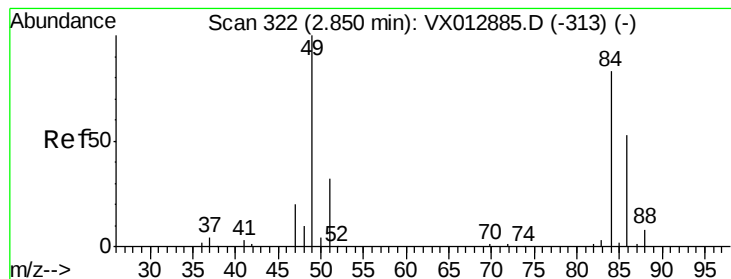
Tot Ion: 59 Resp: 571
Ion Ratio Lower Upper
59 100
57 8.9 8.3 12.5



#16
Acetone
Concen: 0.715 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX012944.D
Acq: 09 Oct 2019 15:46

Tgt Ion: 43 Resp: 843
Ion Ratio Lower Upper
43 100
58 31.8 25.4 38.2





#20

Methvlene Chloride

Concen: 0.287 ug/l

RT: 2.86 min Scan# 323

Delta R.T. 0.01 min

Lab File: VX012944.D

Acq: 09 Oct 2019 15:46

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 84 Resp: 622

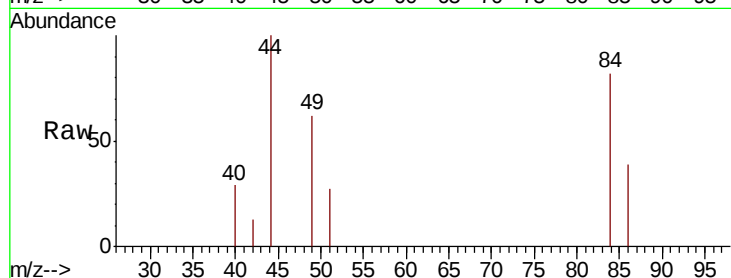
Ion Ratio Lower Upper

84 100

49 75.6 96.6 144.8#

51 32.9 30.7 46.1

86 47.6 51.0 76.6#

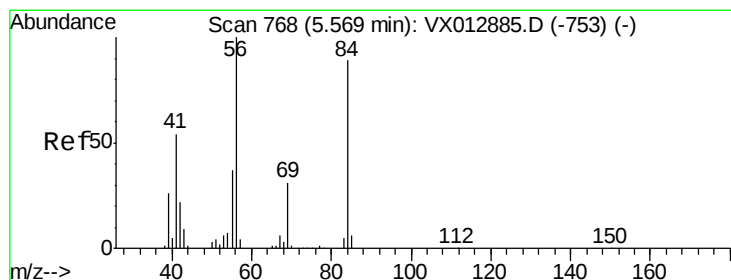
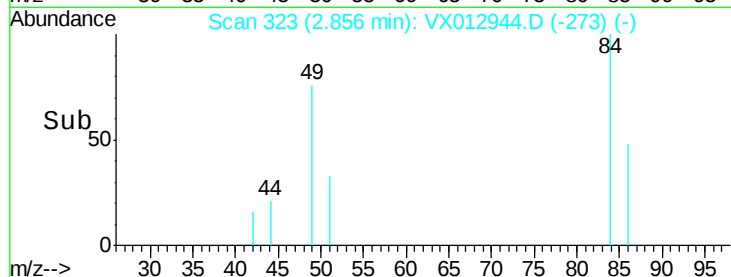
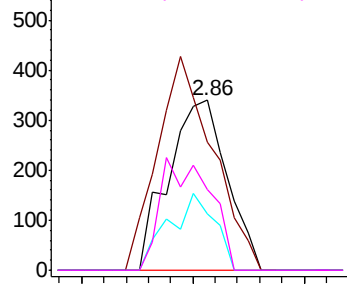


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#31

Cyclohexane

Concen: 1.227 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012944.D

Acq: 09 Oct 2019 15:46

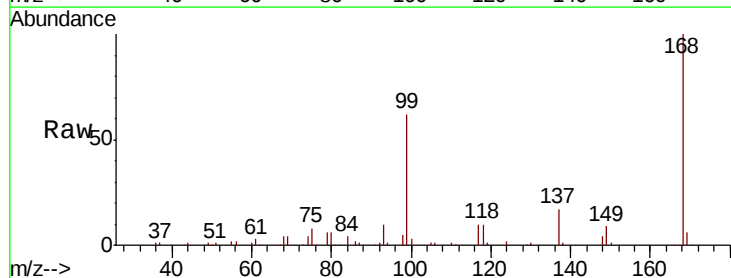
Tgt Ion: 56 Resp: 3986

Ion Ratio Lower Upper

56 100

69 159.5 25.2 37.8#

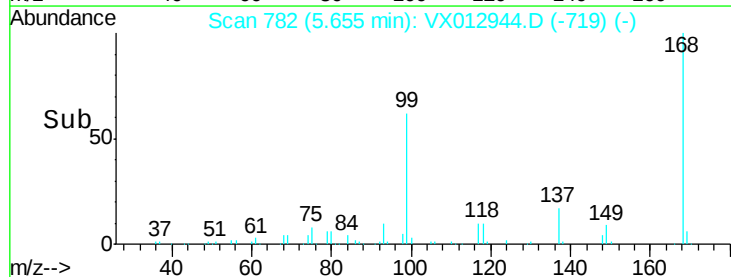
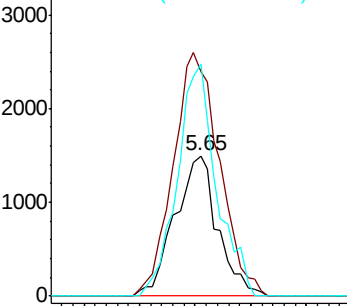
84 164.9 71.3 106.9#

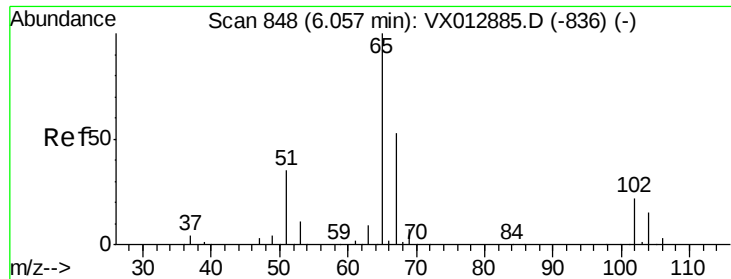


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

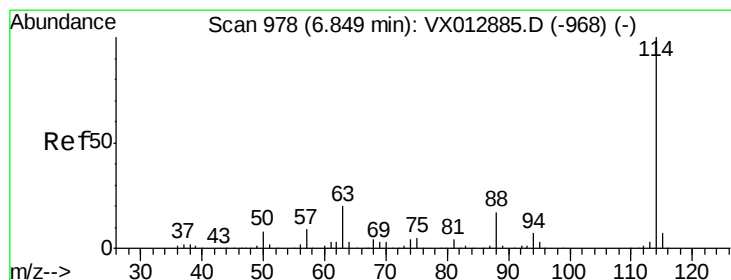
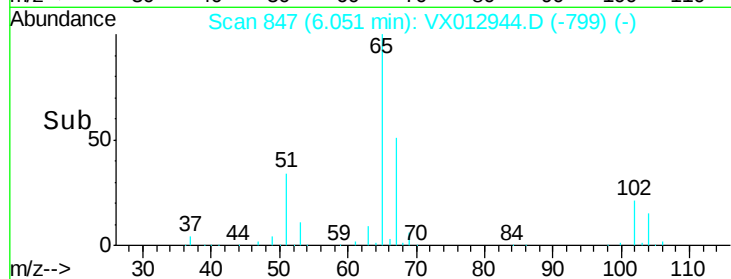
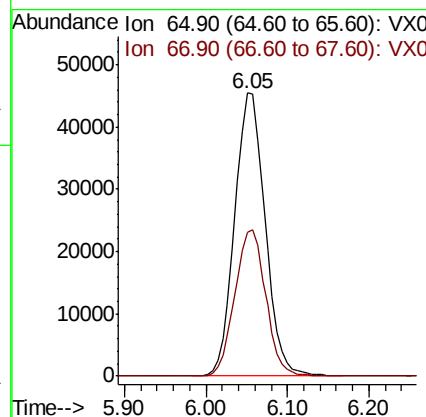
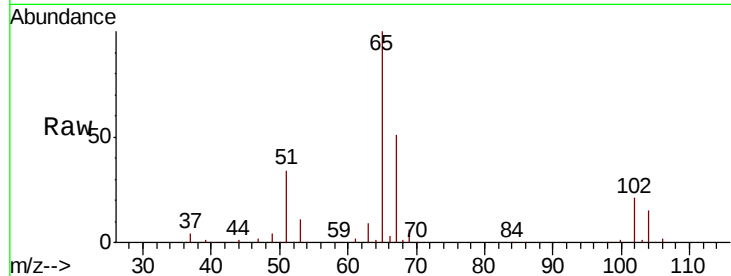




#33
 1,2-Dichloroethane-d4
 Concen: 52.536 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012944.D
 Acq: 09 Oct 2019 15:46

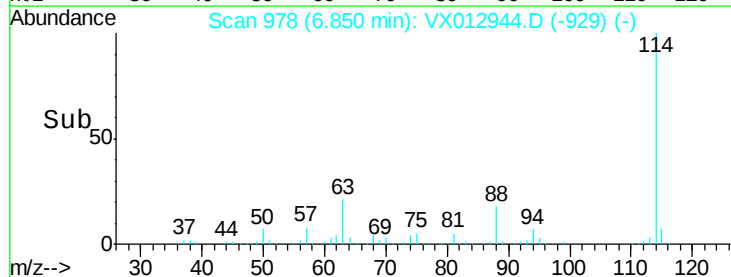
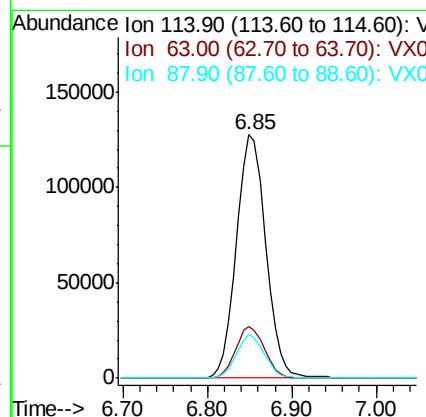
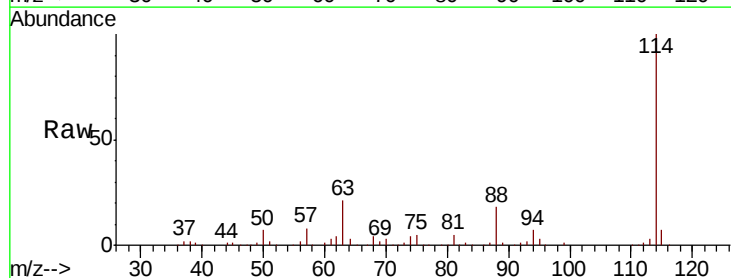
Instrument :
 MSVOA_X
 ClientSampled :

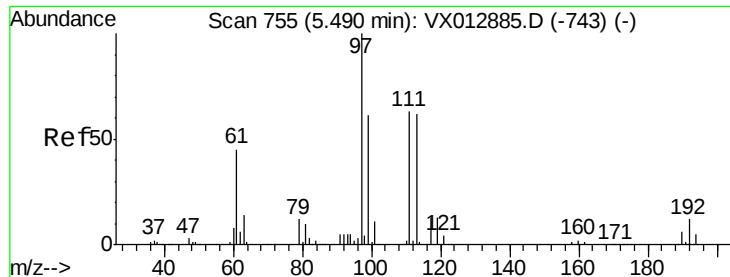
Tot Ion: 65 Resp: 117549
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012944.D
 Acq: 09 Oct 2019 15:46

Tgt Ion: 114 Resp: 301841
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.8
 88 18.2 0.0 33.8

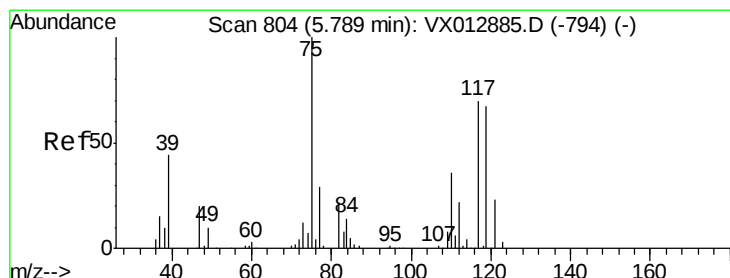
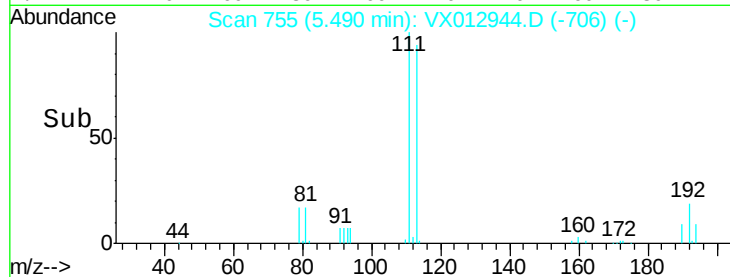
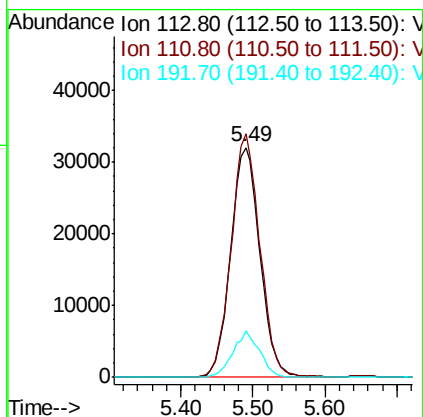
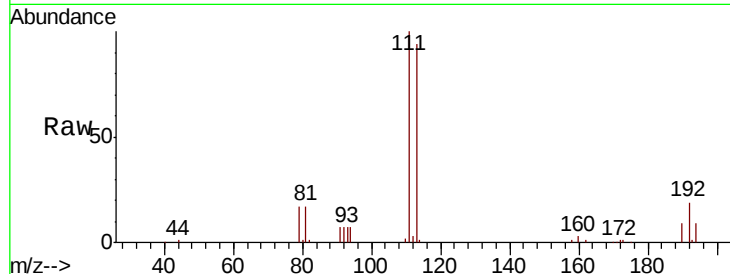




#35
 Dibromofluoromethane
 Concen: 52.246 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012944.D
 Acq: 09 Oct 2019 15:46

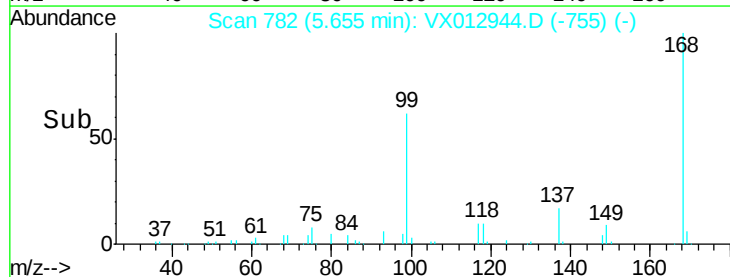
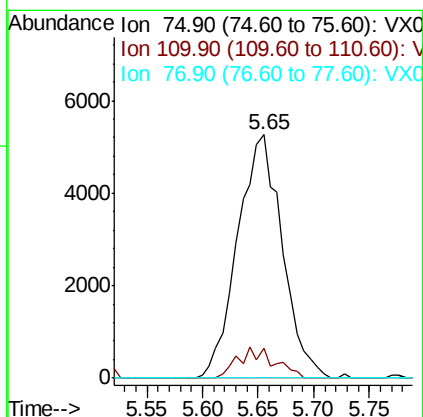
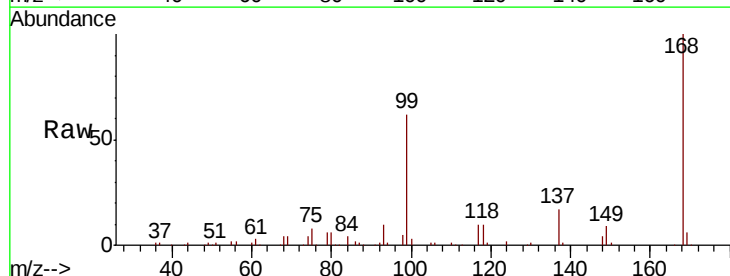
Instrument :
 MSVOA_X
 ClientSampleId :

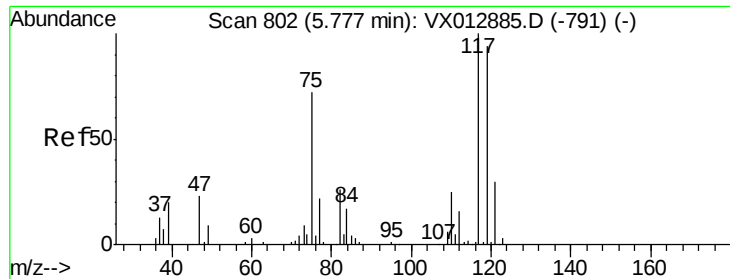
Tot Ion:113 Resp: 90512
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.2 124.8
 192 18.4 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.510 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012944.D
 Acq: 09 Oct 2019 15:46

Tgt Ion: 75 Resp: 14623
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.6 52.9#
 77 0.0 24.4 36.6#

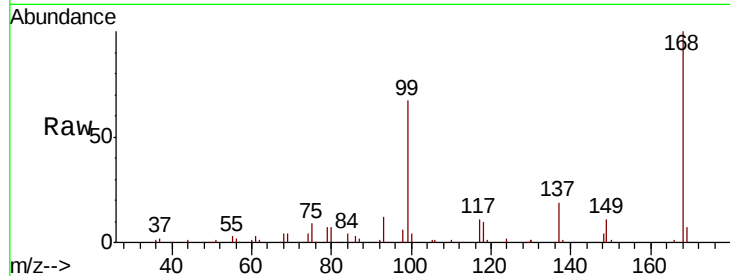




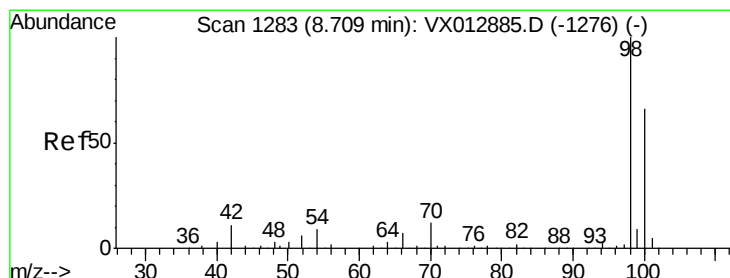
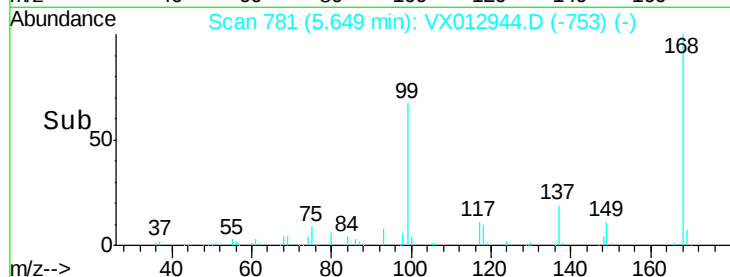
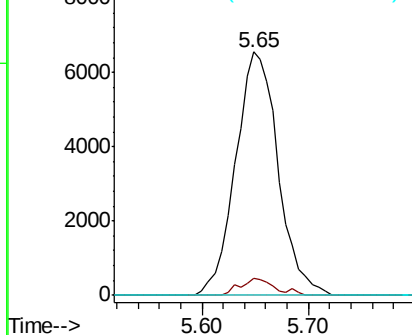
#38
Carbon Tetrachloride
Concen: 7.097 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012944.D
Acq: 09 Oct 2019 15:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18333
Ion Ratio Lower Upper
117 100
119 7.2 74.5 111.7#
121 0.0 24.2 36.4#

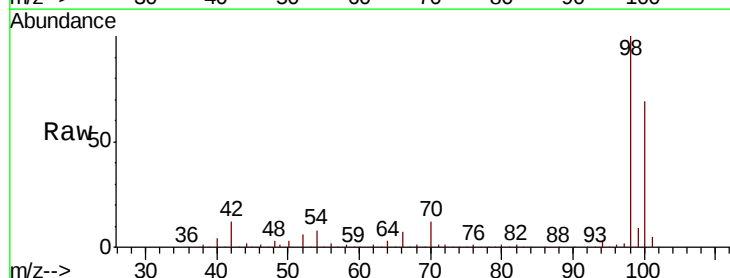


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

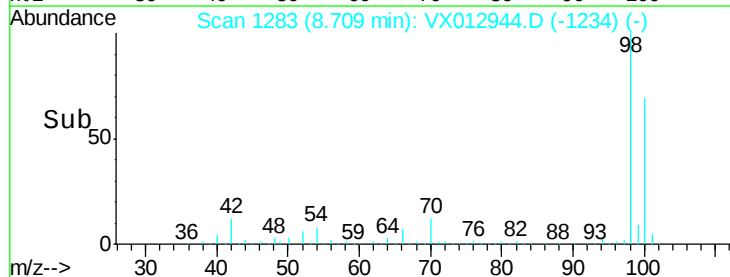
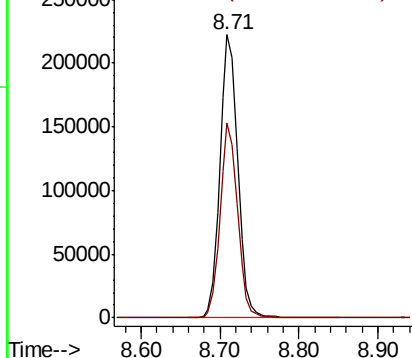


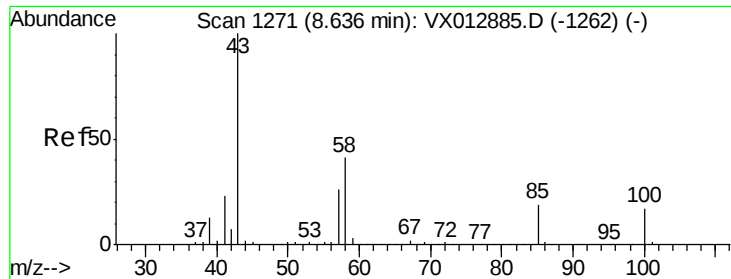
#50
Toluene-d8
Concen: 52.028 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012944.D
Acq: 09 Oct 2019 15:46

Tgt Ion: 98 Resp: 351546
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.2



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: 0.515 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012944.D

Acq: 09 Oct 2019 15:46

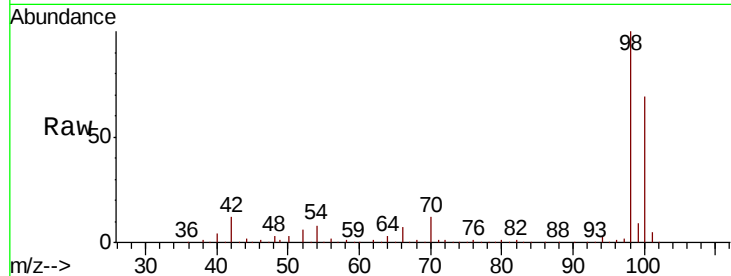
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1528

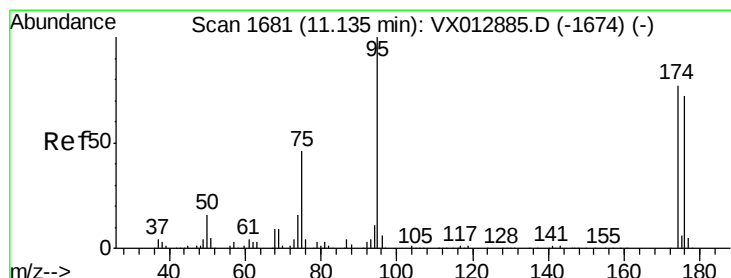
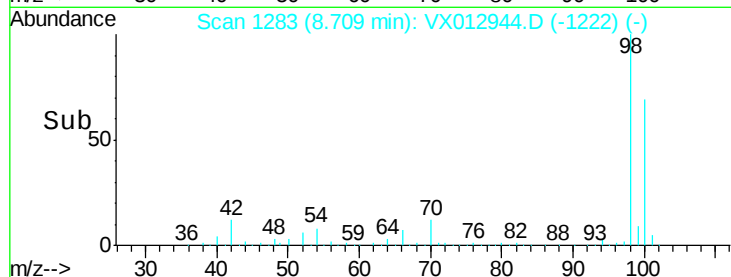
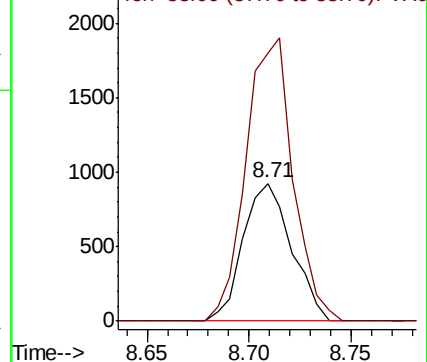
Ion Ratio Lower Upper

43 100

58 198.9 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.017 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012944.D

Acq: 09 Oct 2019 15:46

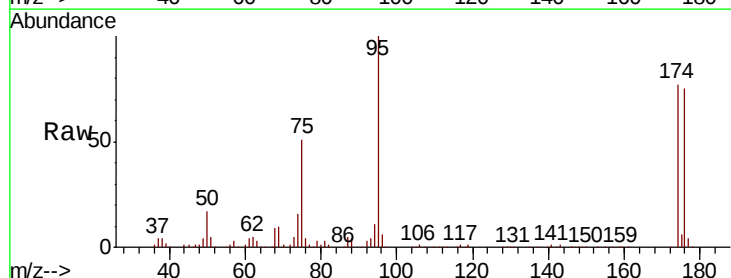
Tgt Ion: 95 Resp: 118188

Ion Ratio Lower Upper

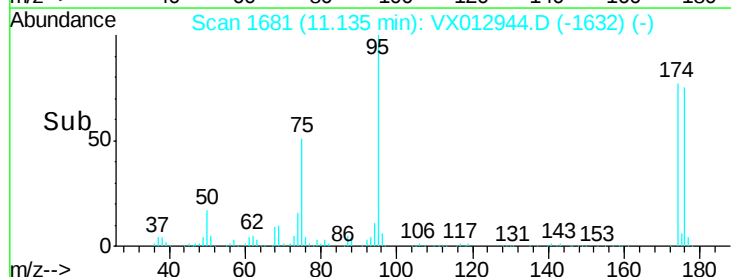
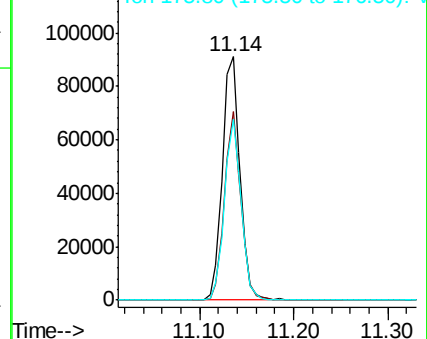
95 100

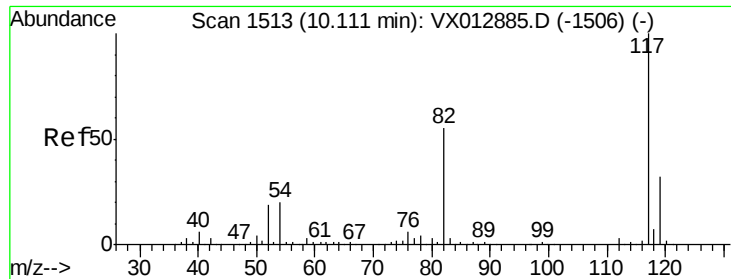
174 72.3 0.0 143.4

176 70.8 0.0 136.0



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

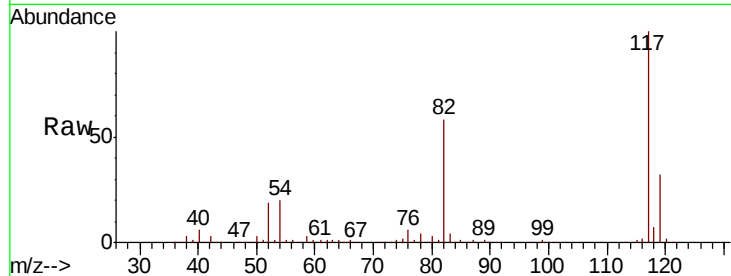




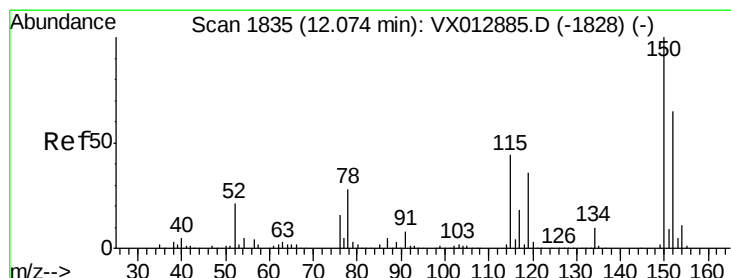
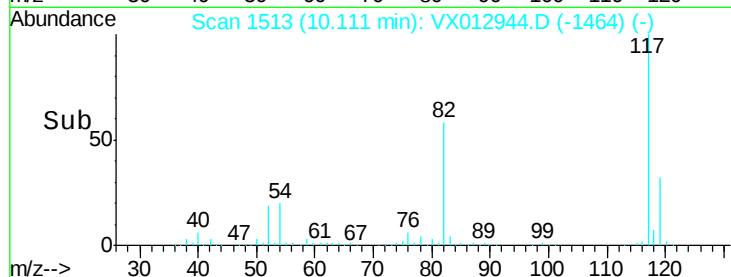
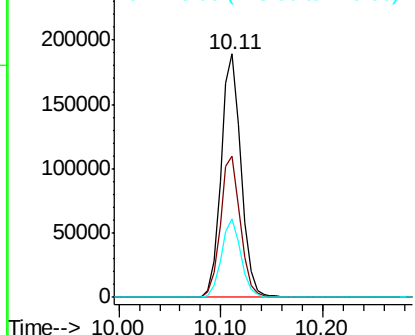
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012944.D
Acq: 09 Oct 2019 15:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 258100
Ion Ratio Lower Upper
117 100
82 58.0 44.1 66.1
119 32.0 25.8 38.8

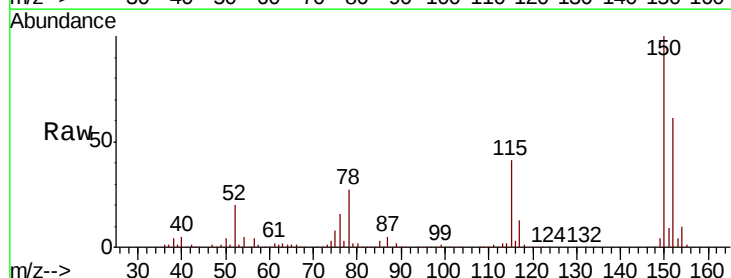


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

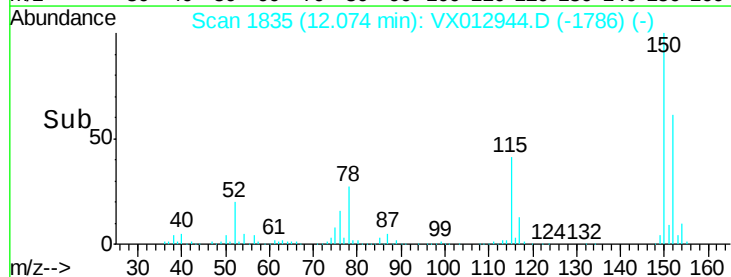
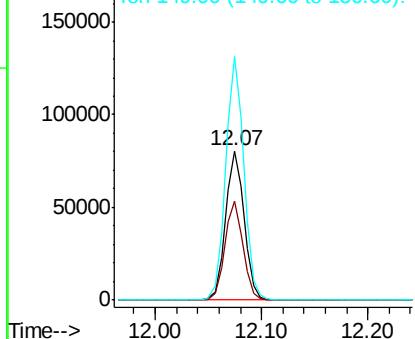


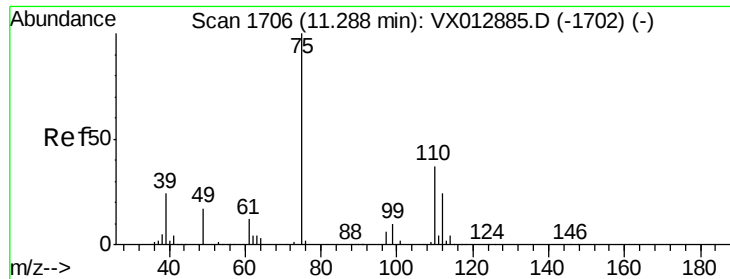
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012944.D
Acq: 09 Oct 2019 15:46

Tgt Ion:152 Resp: 98737
Ion Ratio Lower Upper
152 100
115 64.9 44.5 133.5
150 158.6 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: 27.489 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012944.D

Acq: 09 Oct 2019 15:46

Instrument :

MSVOA_X

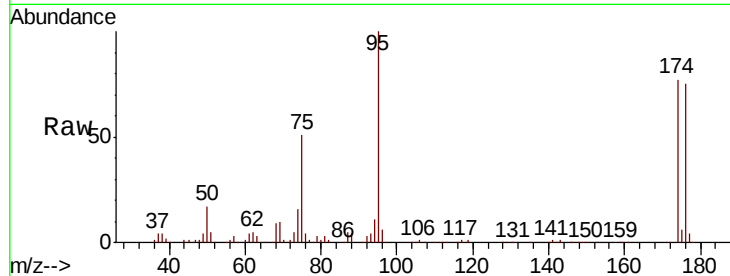
ClientSampleId :

Tot Ion: 75 Resp: 60201

Ion Ratio Lower Upper

75 100

77 1.2 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

50000

40000

30000

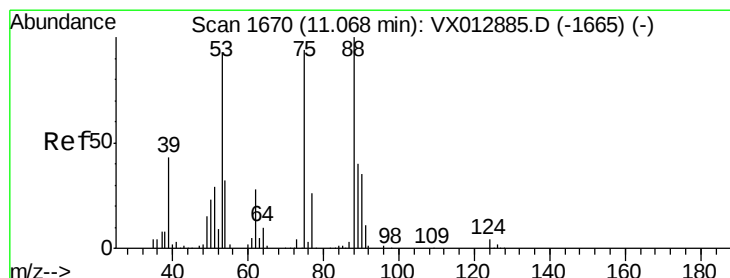
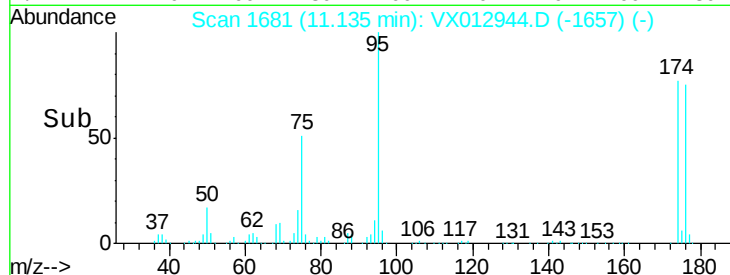
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 68.998 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012944.D

Acq: 09 Oct 2019 15:46

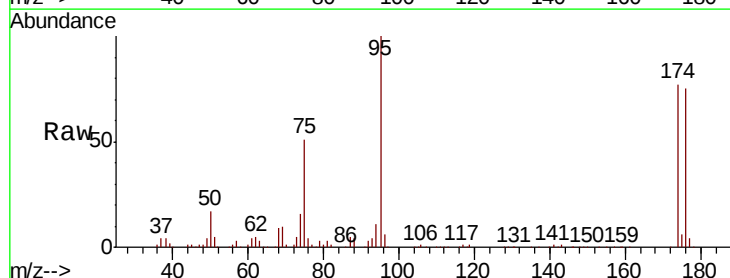
Tgt Ion: 75 Resp: 60201

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

