

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012899.D
 Acq On : 08 Oct 2019 19:00
 Operator : JC/SP
 Sample : K5122-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 09 02:11:35 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	176264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	298866	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103548	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	115384	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
35) Dibromofluoromethane	5.49	113	88737	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
50) Toluene-d8	8.71	98	351938	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
62) 4-Bromofluorobenzene	11.14	95	119100	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	

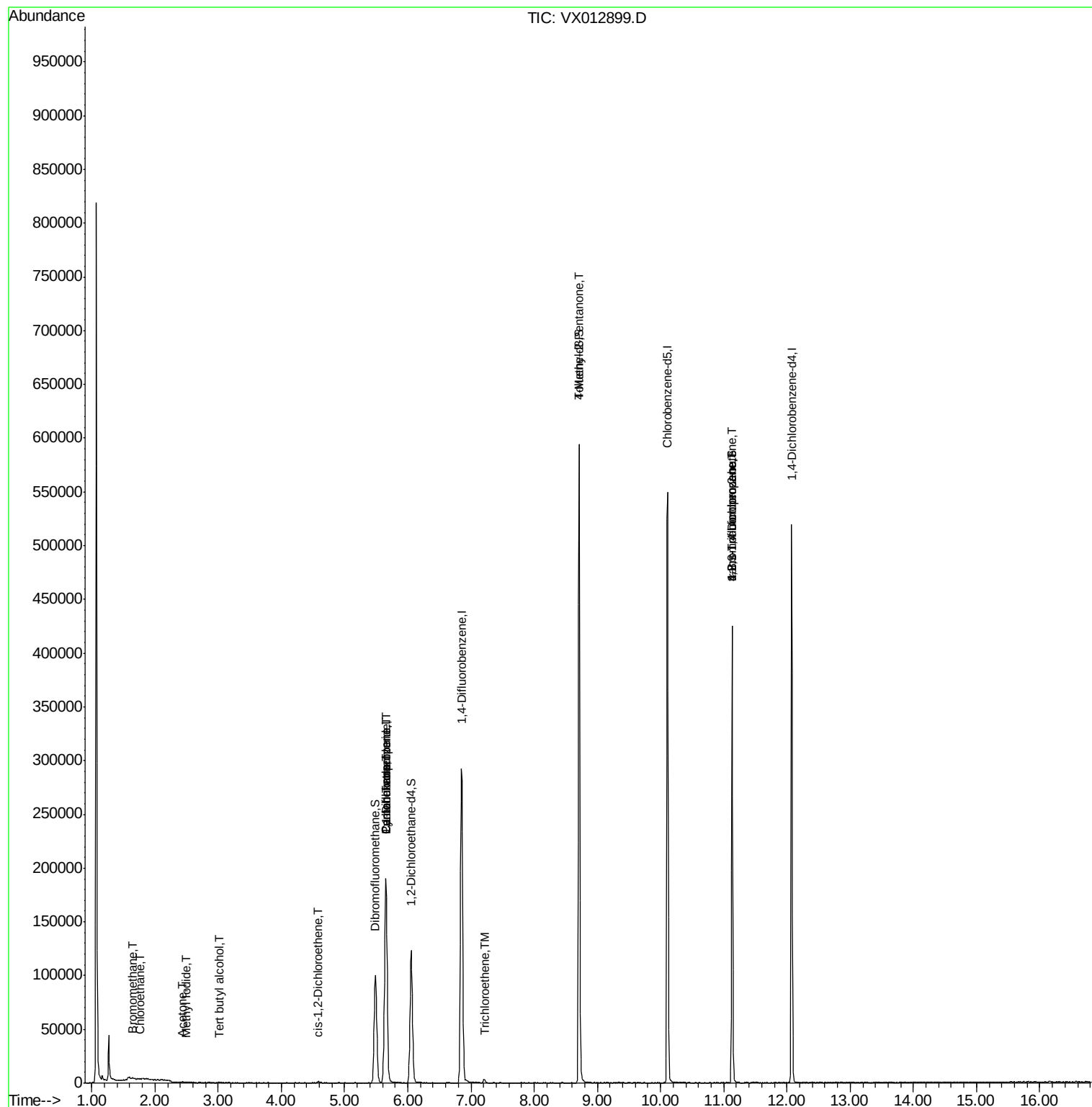
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	428	0.510	ug/l #	79
6) Chloroethane	1.76	64	188	0.519	ug/l	94
10) Methyl Iodide	2.49	142	52	5.105	ug/l #	40
11) Tert butyl alcohol	3.01	59	278	0.476	ug/l	97
16) Acetone	2.43	43	972	0.837	ug/l	94
27) cis-1,2-Dichloroethene	4.58	96	713	0.324	ug/l	93
31) Cyclohexane	5.66	56	3832	1.198	ug/l #	44
36) 1,1-Dichloropropene	5.65	75	13965	5.315	ug/l #	46
38) Carbon Tetrachloride	5.65	117	17989	7.034	ug/l #	17
44) Trichloroethene	7.22	130	1195	0.555	ug/l	90
51) 4-Methyl-2-Pentanone	8.71	43	1539	0.523	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	60407	26.302	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	60407	66.194	ug/l #	10

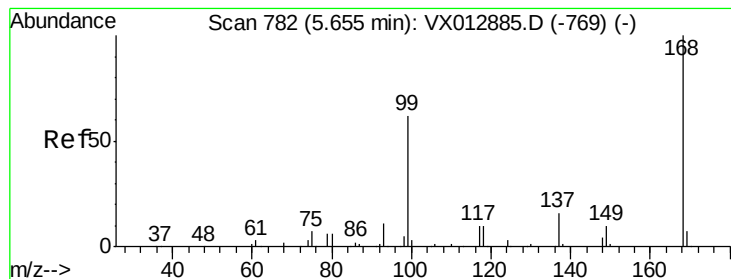
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX012899.D

Acq: 08 Oct 2019 19:00

Instrument :

MSVOA_X

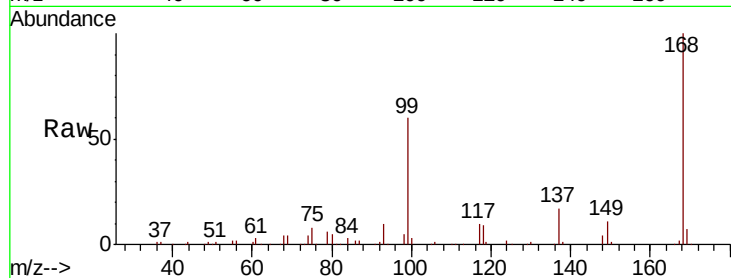
ClientSampled :

Tot Ion:168 Resp: 176264

Ion Ratio Lower Upper

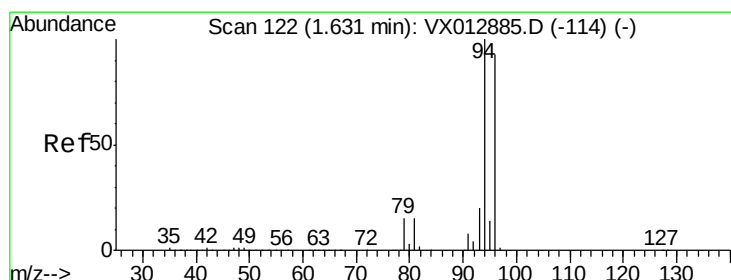
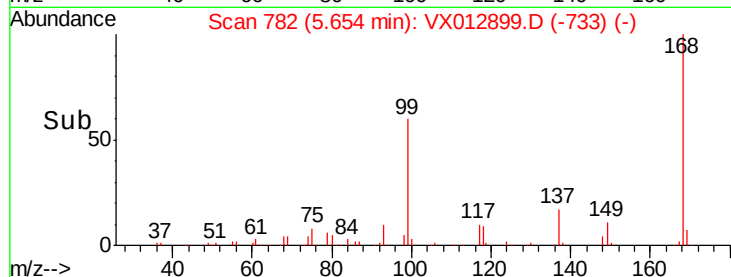
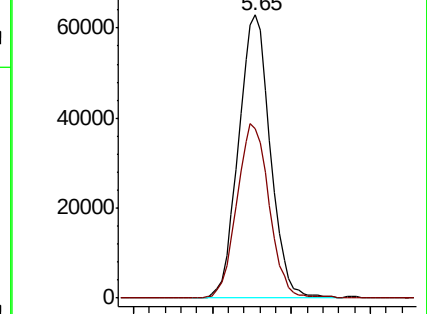
168 100

99 59.9 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.510 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012899.D

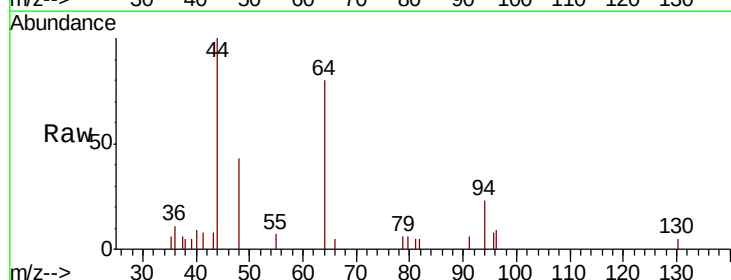
Acq: 08 Oct 2019 19:00

Tgt Ion: 94 Resp: 428

Ion Ratio Lower Upper

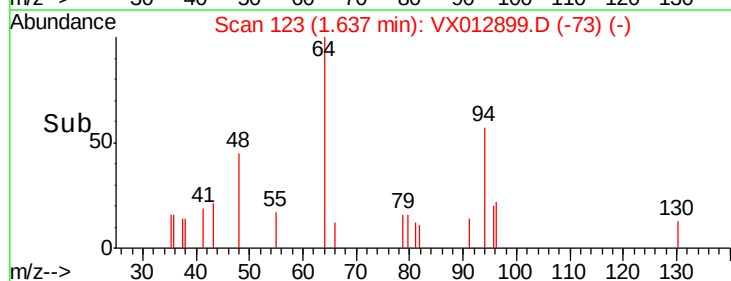
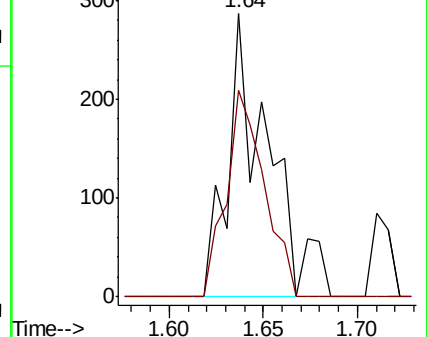
94 100

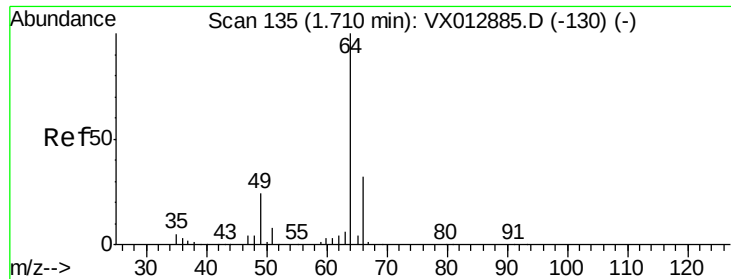
96 72.8 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.519 ug/l

RT: 1.76 min Scan# 143

Delta R.T. 0.05 min

Lab File: VX012899.D

Acq: 08 Oct 2019 19:00

Instrument :

MSVOA_X

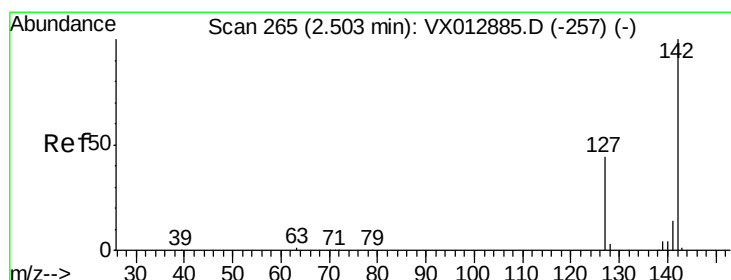
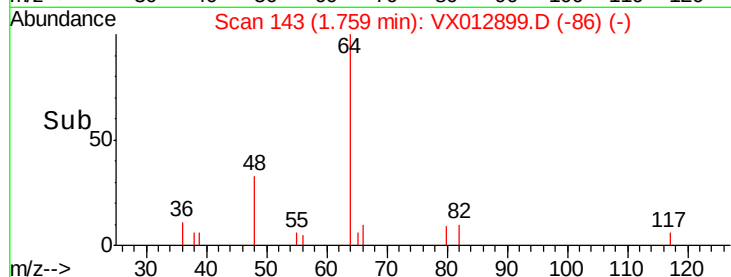
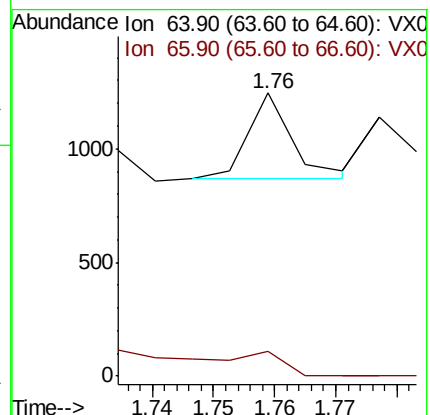
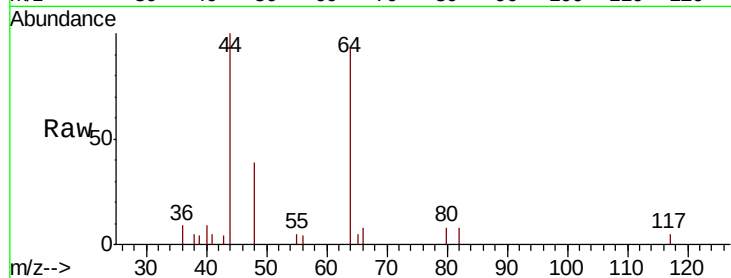
ClientSampled :

Tot Ion: 64 Resp: 188

Ion Ratio Lower Upper

64 100

66 28.6 25.6 38.4



#10

Methyl Iodide

Concen: 5.105 ug/l

RT: 2.49 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX012899.D

Acq: 08 Oct 2019 19:00

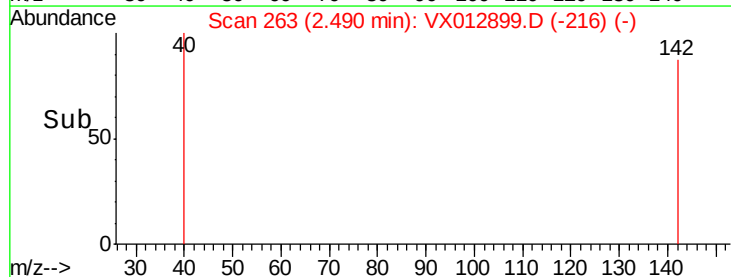
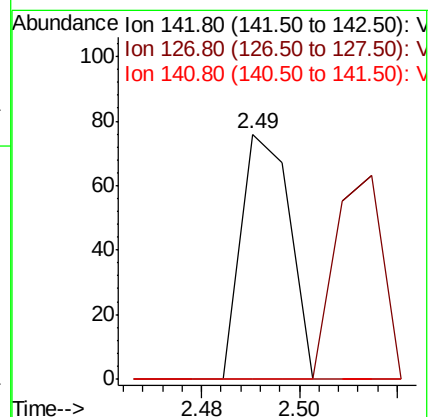
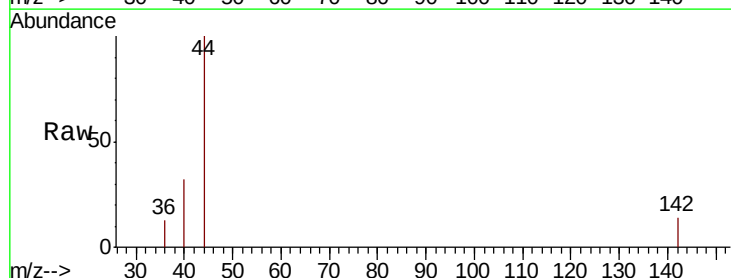
Tgt Ion: 142 Resp: 52

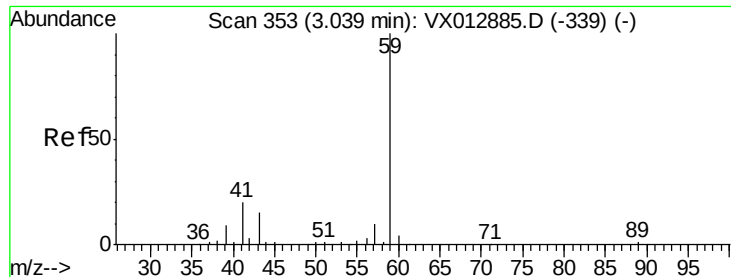
Ion Ratio Lower Upper

142 100

127 0.0 34.9 52.3#

141 0.0 11.6 17.4#

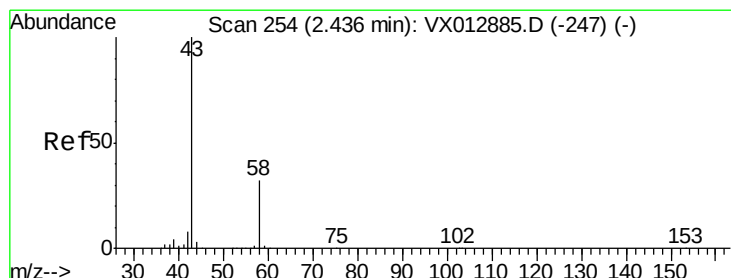
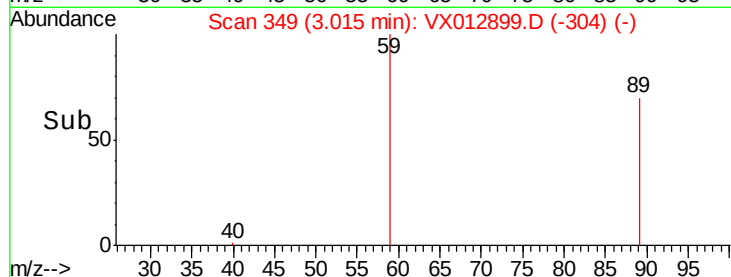
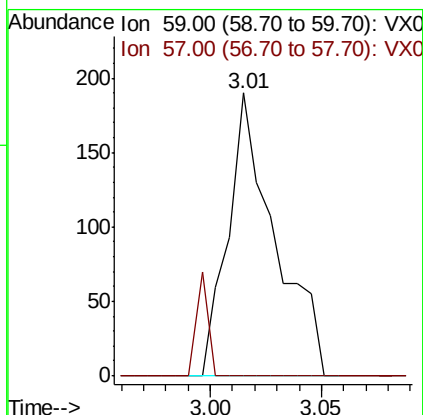
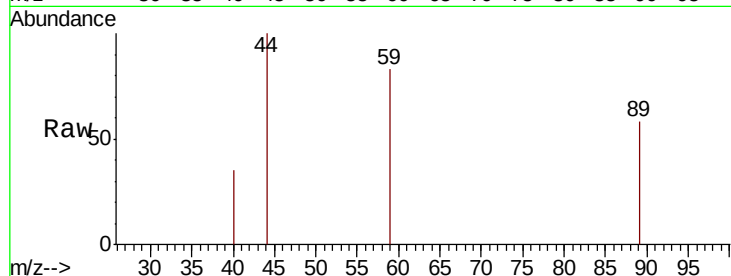




#11
Tert butyl alcohol
Concen: 0.476 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX012899.D
Acq: 08 Oct 2019 19:00

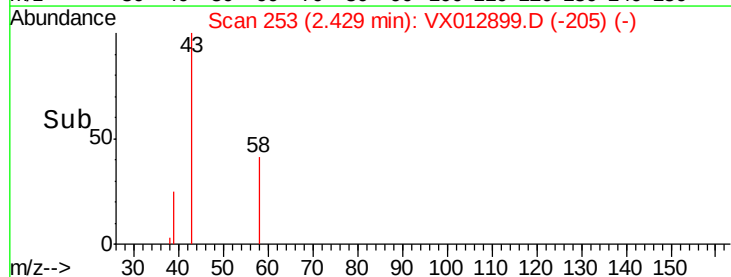
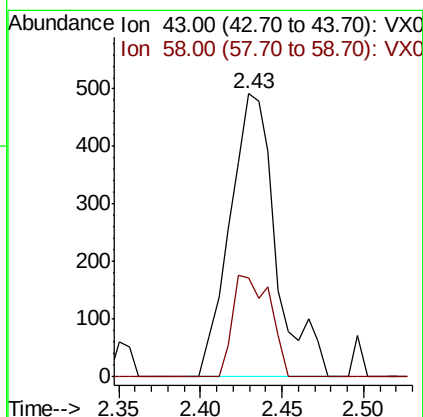
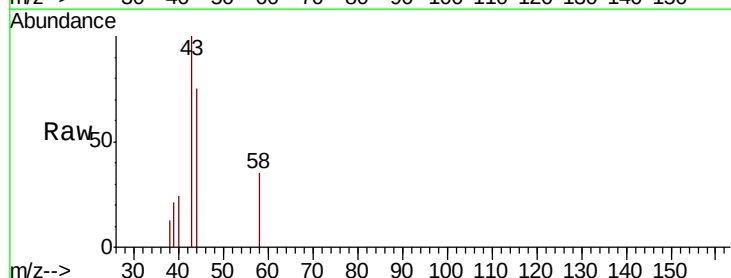
Instrument :
MSVOA_X
ClientSampled :

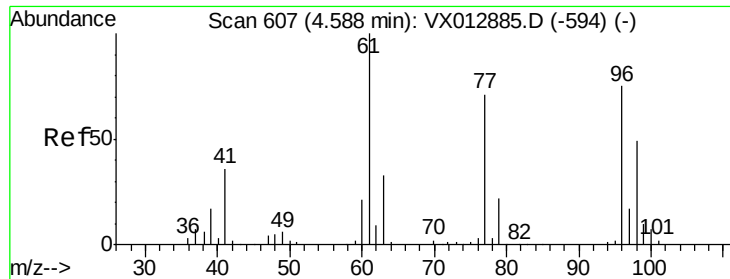
Tot Ion: 59 Resp: 278
Ion Ratio Lower Upper
59 100
57 9.4 8.3 12.5



#16
Acetone
Concen: 0.837 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX012899.D
Acq: 08 Oct 2019 19:00

Tgt Ion: 43 Resp: 972
Ion Ratio Lower Upper
43 100
58 35.0 25.4 38.2



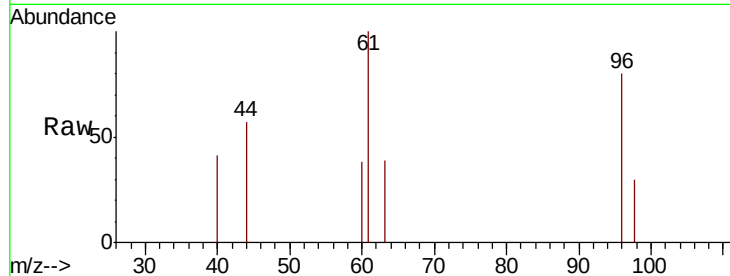


#27

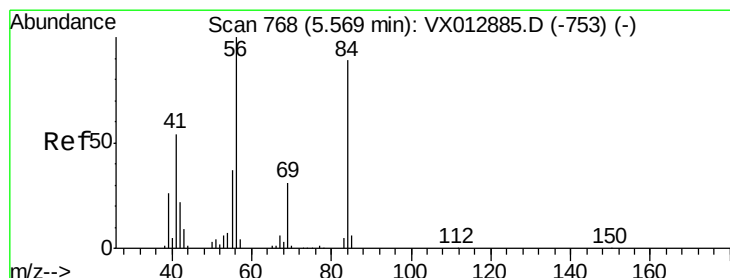
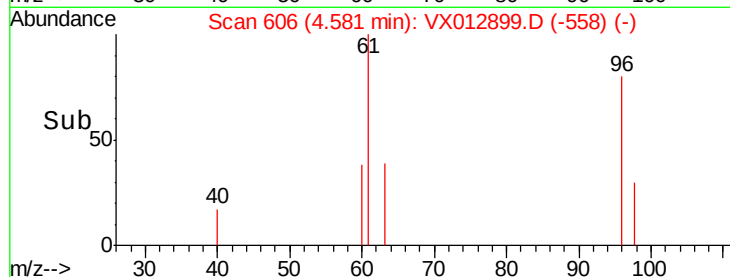
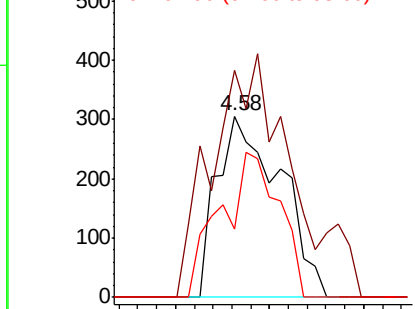
cis-1,2-Dichloroethene
Concen: 0.324 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX012899.D
Acq: 08 Oct 2019 19:00

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 713
Ion Ratio Lower Upper
96 100
61 152.0 0.0 290.6
98 73.9 0.0 128.8



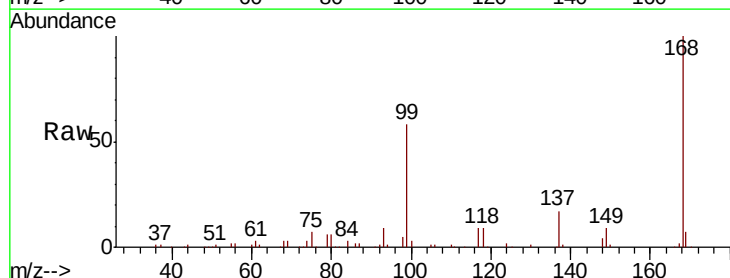
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



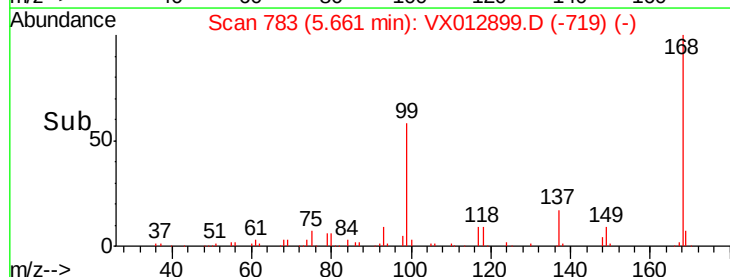
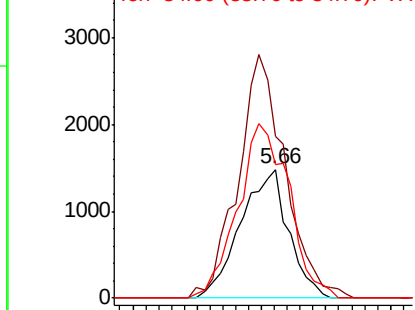
#31

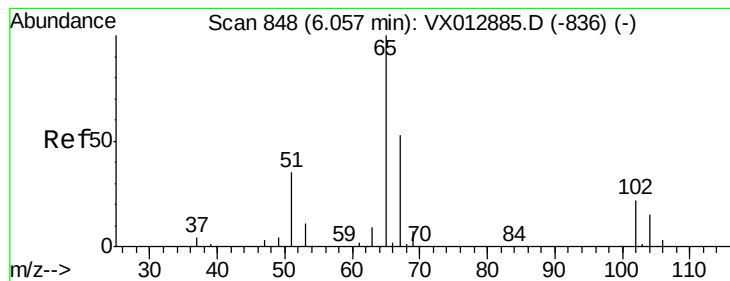
Cyclohexane
Concen: 1.198 ug/l
RT: 5.66 min Scan# 783
Delta R.T. 0.09 min
Lab File: VX012899.D
Acq: 08 Oct 2019 19:00

Tgt Ion: 56 Resp: 3832
Ion Ratio Lower Upper
56 100
69 125.2 25.2 37.8#
84 103.9 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: 52.374 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012899.D

Acq: 08 Oct 2019 19:00

Instrument :

MSVOA_X

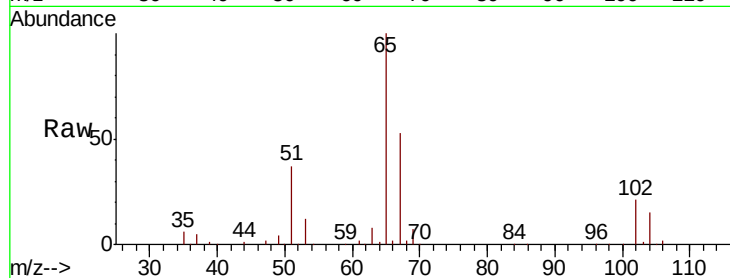
ClientSampleId :

Tot Ion: 65 Resp: 115384

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

40000

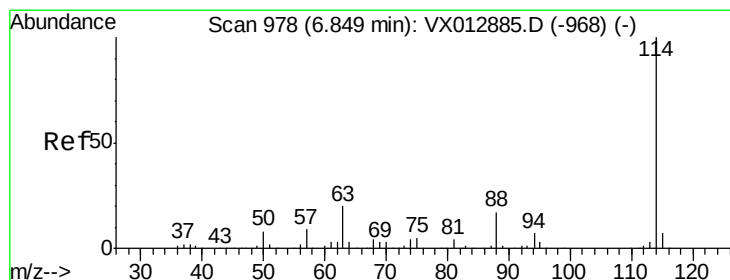
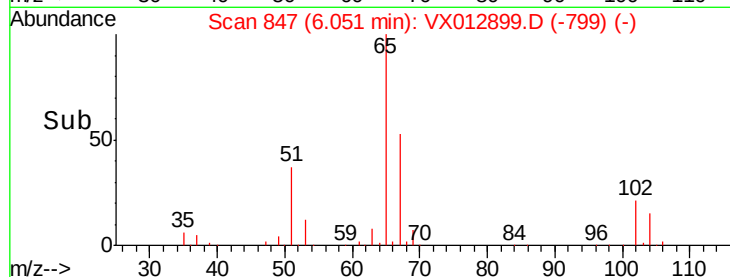
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012899.D

Acq: 08 Oct 2019 19:00

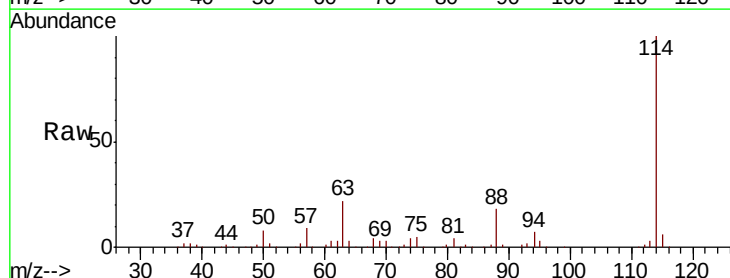
Tgt Ion: 114 Resp: 298866

Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.8

88 17.5 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

6.85

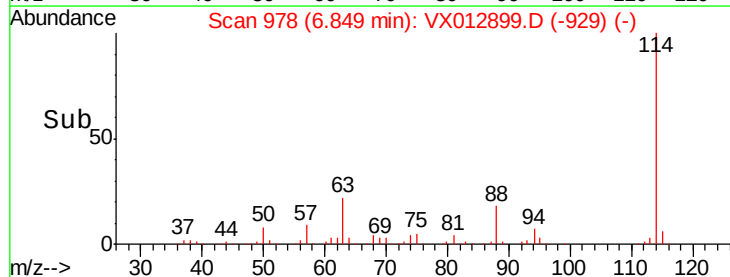
150000

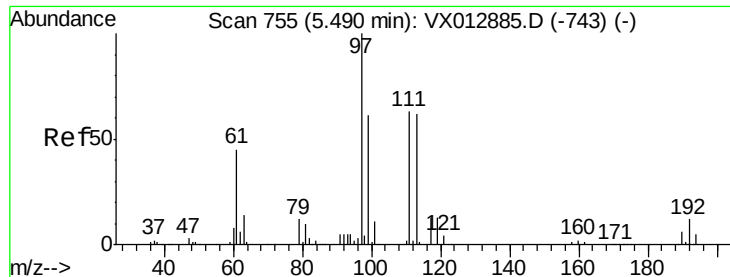
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

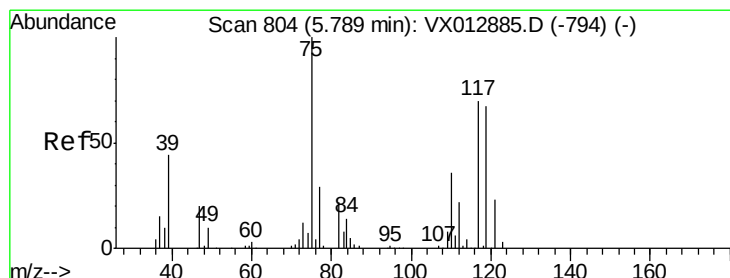
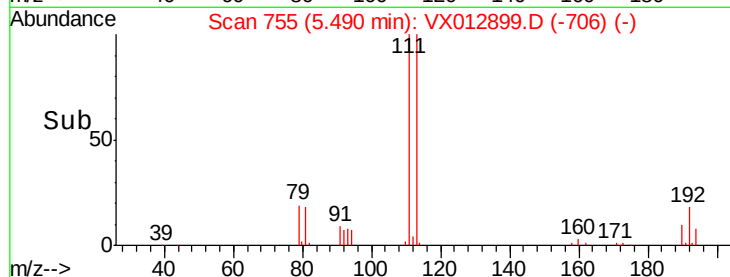
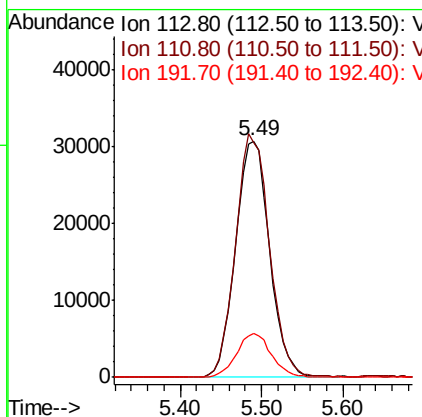
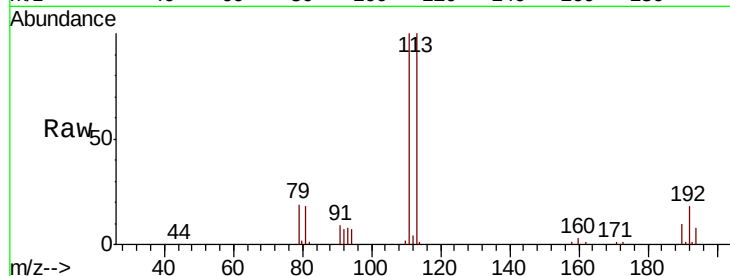




#35
 Dibromofluoromethane
 Concen: 51.732 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012899.D
 Acq: 08 Oct 2019 19:00

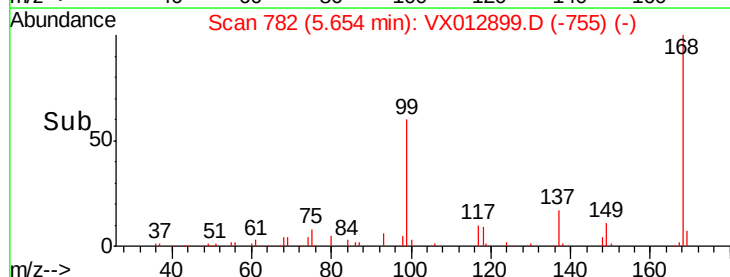
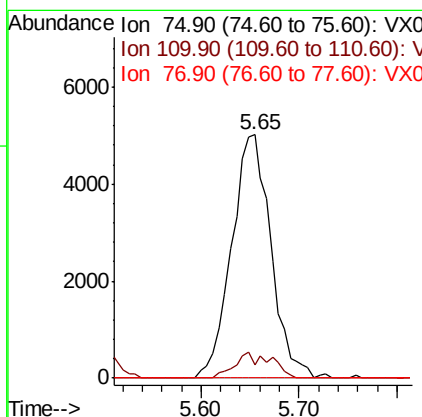
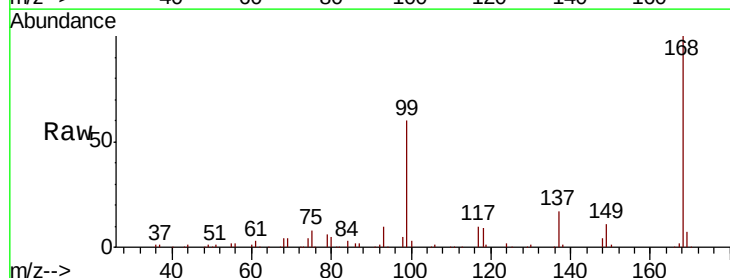
Instrument :
 MSVOA_X
 ClientSampleId :

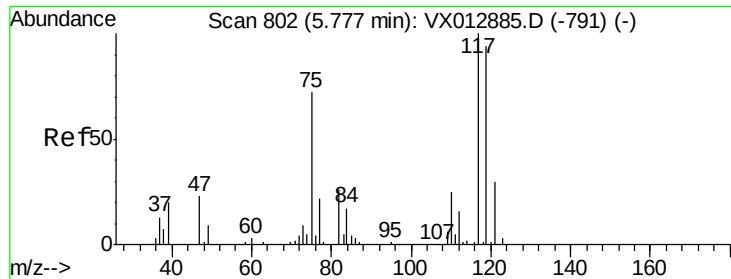
Tot Ion:113 Resp: 88737
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.2 124.8
 192 18.8 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.315 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012899.D
 Acq: 08 Oct 2019 19:00

Tgt Ion: 75 Resp: 13965
 Ion Ratio Lower Upper
 75 100
 110 5.0 17.6 52.9#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 7.034 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012899.D

Acq: 08 Oct 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

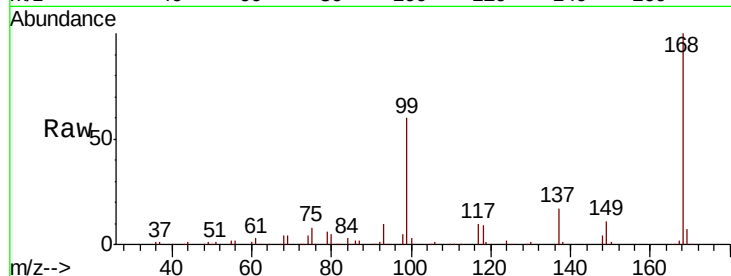
Tot Ion:117 Resp: 17989

Ion Ratio Lower Upper

117 100

119 5.4 74.5 111.7#

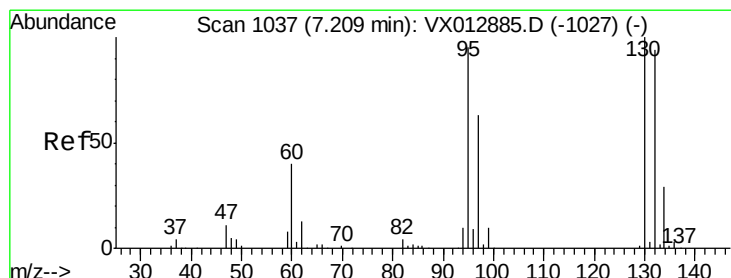
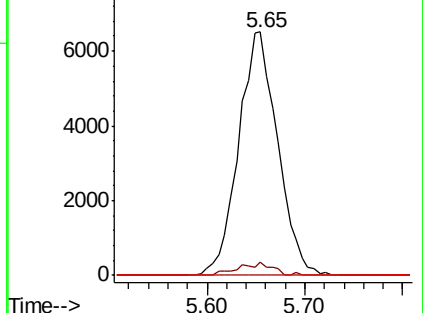
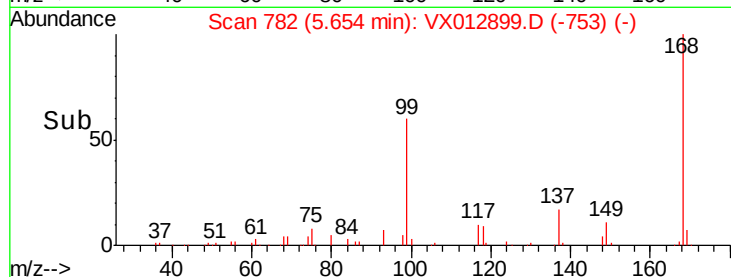
121 0.0 24.2 36.4#



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



#44

Trichloroethene

Concen: 0.555 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX012899.D

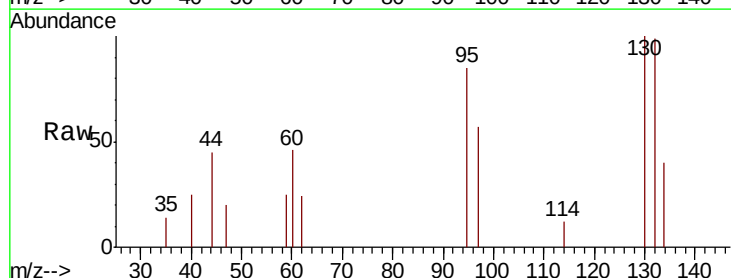
Acq: 08 Oct 2019 19:00

Tgt Ion:130 Resp: 1195

Ion Ratio Lower Upper

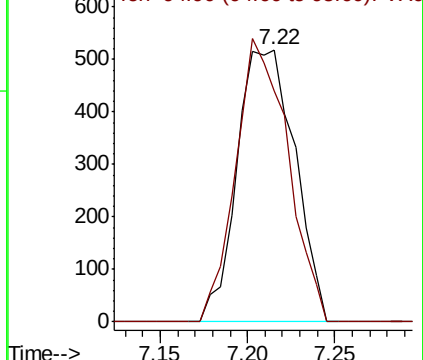
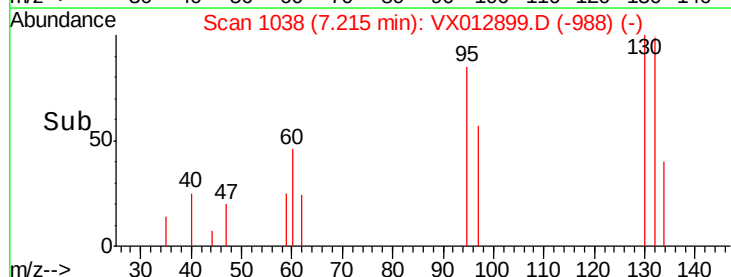
130 100

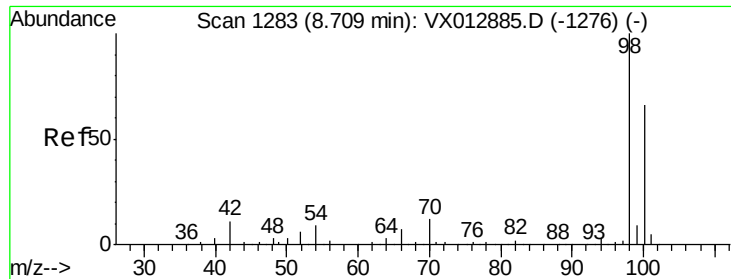
95 84.8 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

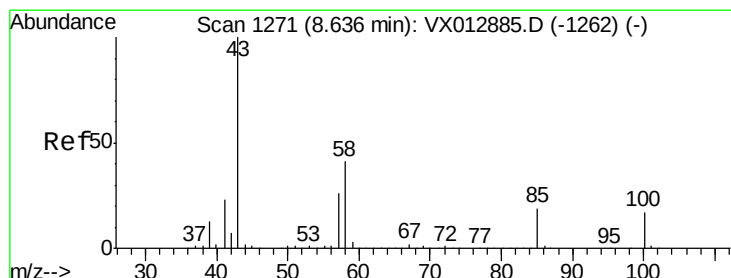
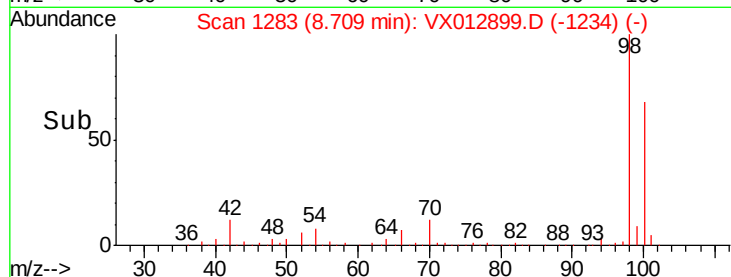
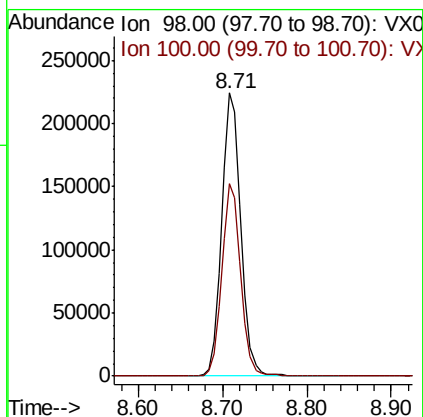
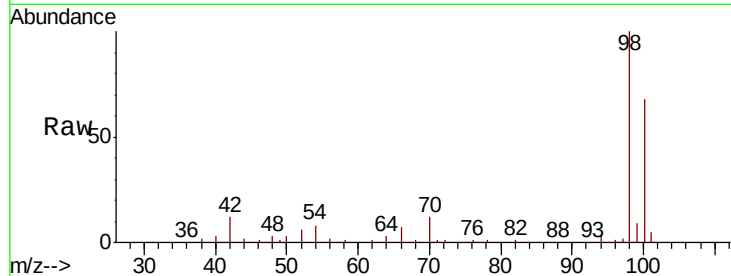




#50
Toluene-d8
Concen: 52.605 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012899.D
Acq: 08 Oct 2019 19:00

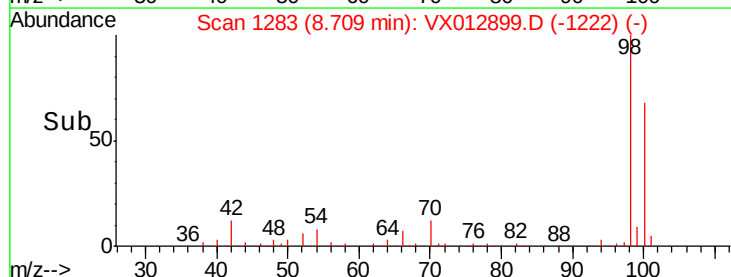
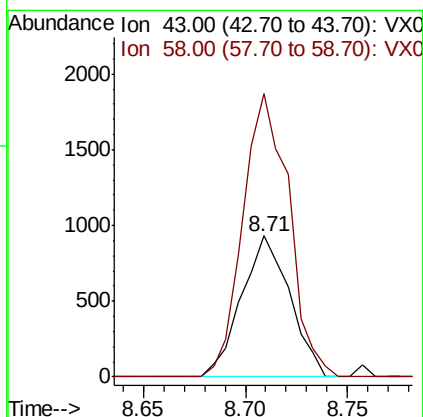
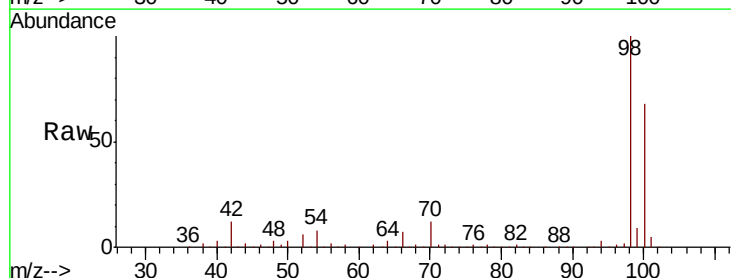
Instrument :
MSVOA_X
ClientSampled :

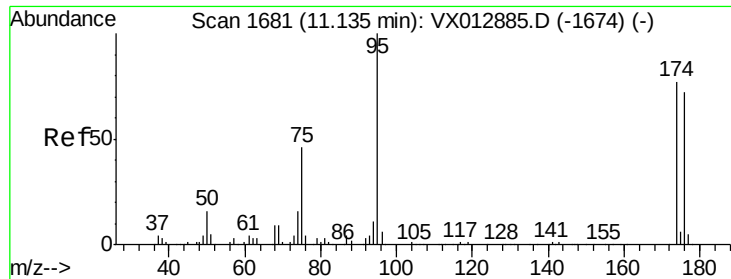
Tot Ion: 98 Resp: 351938
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.523 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012899.D
Acq: 08 Oct 2019 19:00

Tgt Ion: 43 Resp: 1539
Ion Ratio Lower Upper
43 100
58 190.6 32.4 48.6#





#62

4-Bromofluorobenzene

Concen: 45.816 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012899.D

Acq: 08 Oct 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

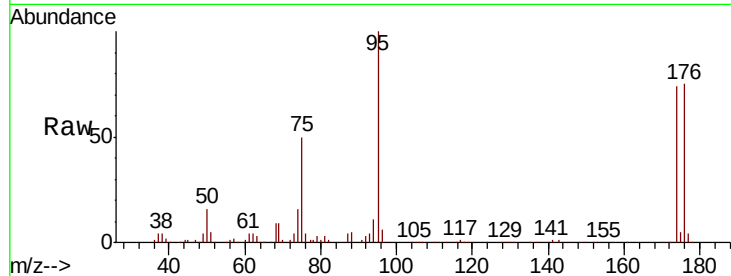
Tot Ion: 95 Resp: 119100

Ion Ratio Lower Upper

95 100

174 72.5 0.0 143.4

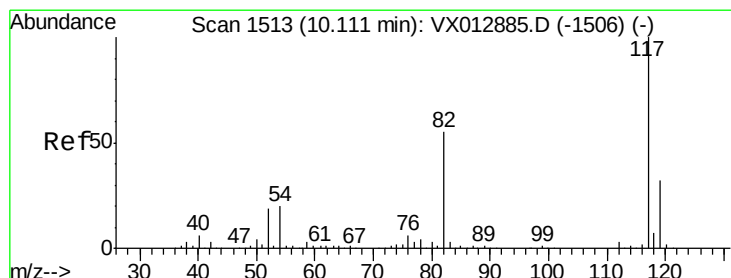
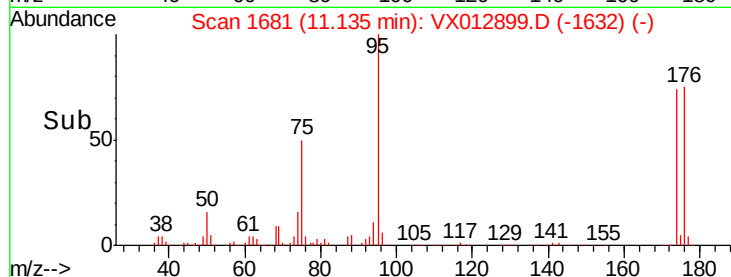
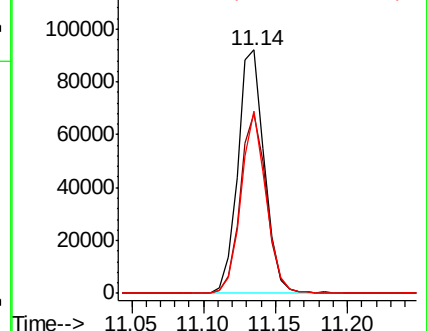
176 70.1 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX012885.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012885.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012885.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012899.D

Acq: 08 Oct 2019 19:00

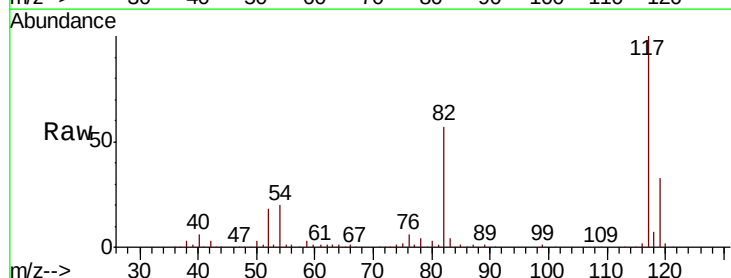
Tgt Ion: 117 Resp: 254646

Ion Ratio Lower Upper

117 100

82 56.6 44.1 66.1

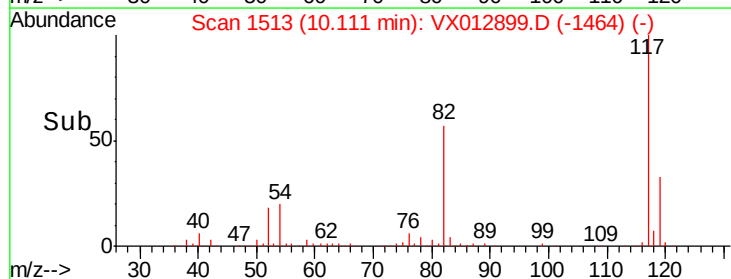
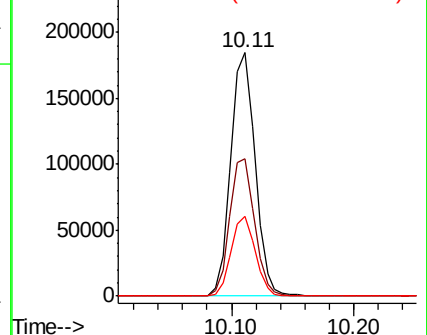
119 33.0 25.8 38.8

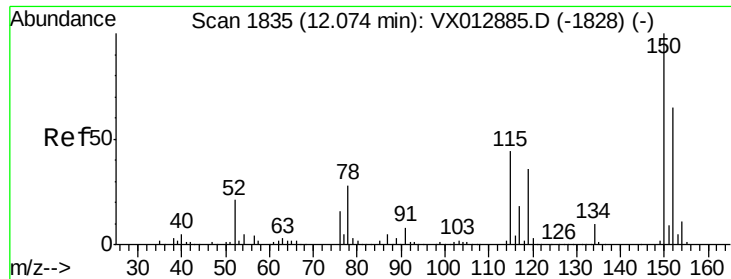


Abundance Ion 116.90 (116.60 to 117.60): VX012885.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX012885.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX012885.D (-1506) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012899.D

Acq: 08 Oct 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

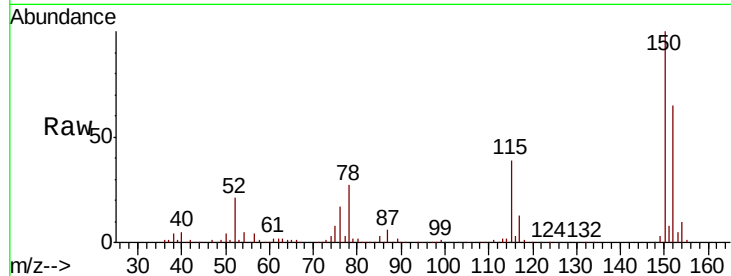
Tot Ion:152 Resp: 103548

Ion Ratio Lower Upper

152 100

115 60.6 44.5 133.5

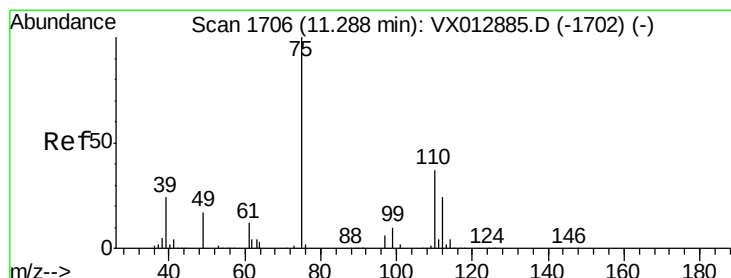
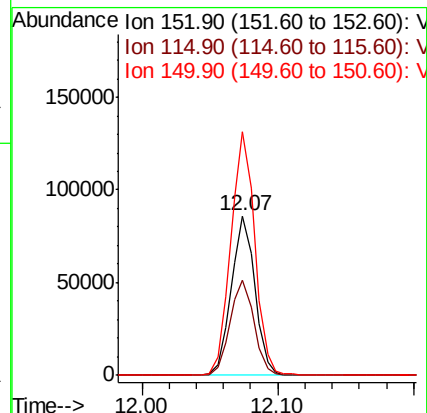
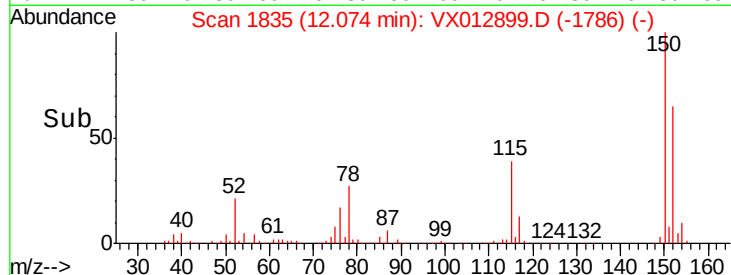
150 154.9 0.0 353.4



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: 26.302 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012899.D

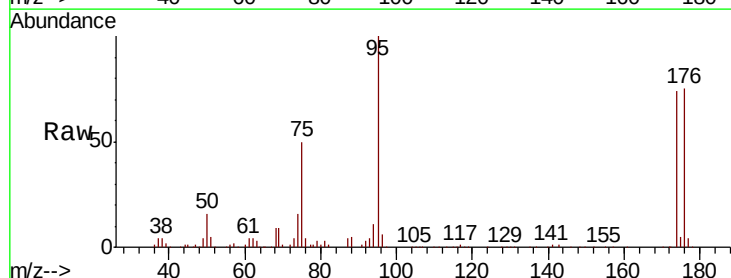
Acq: 08 Oct 2019 19:00

Tgt Ion: 75 Resp: 60407

Ion Ratio Lower Upper

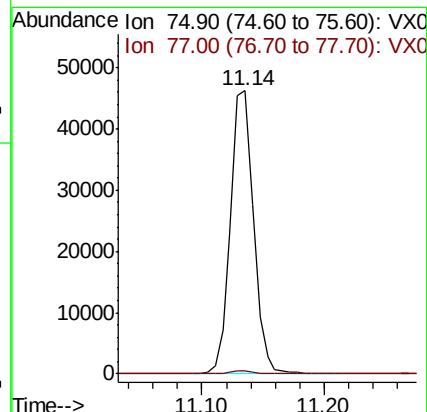
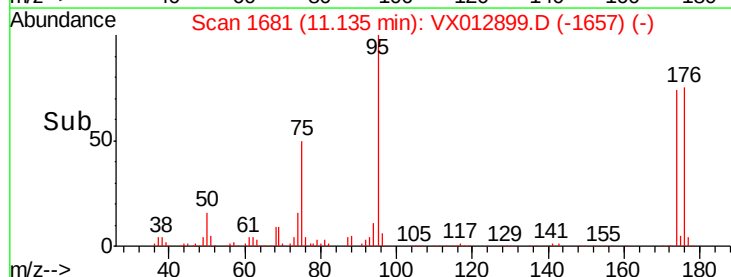
75 100

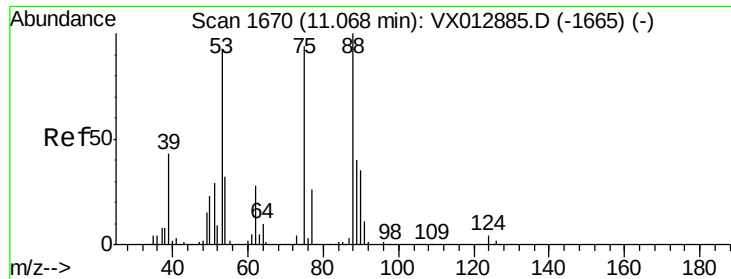
77 1.1 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 66.194 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012899.D

Acq: 08 Oct 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 60407

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

