

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012971.D
 Acq On : 10 Oct 2019 03:23
 Operator : JC/SP
 Sample : K5259-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 06:50:37 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	174910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	293154	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95841	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	114651	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
35) Dibromofluoromethane	5.49	113	88943	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
50) Toluene-d8	8.71	98	342009	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	11.14	95	117144	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	

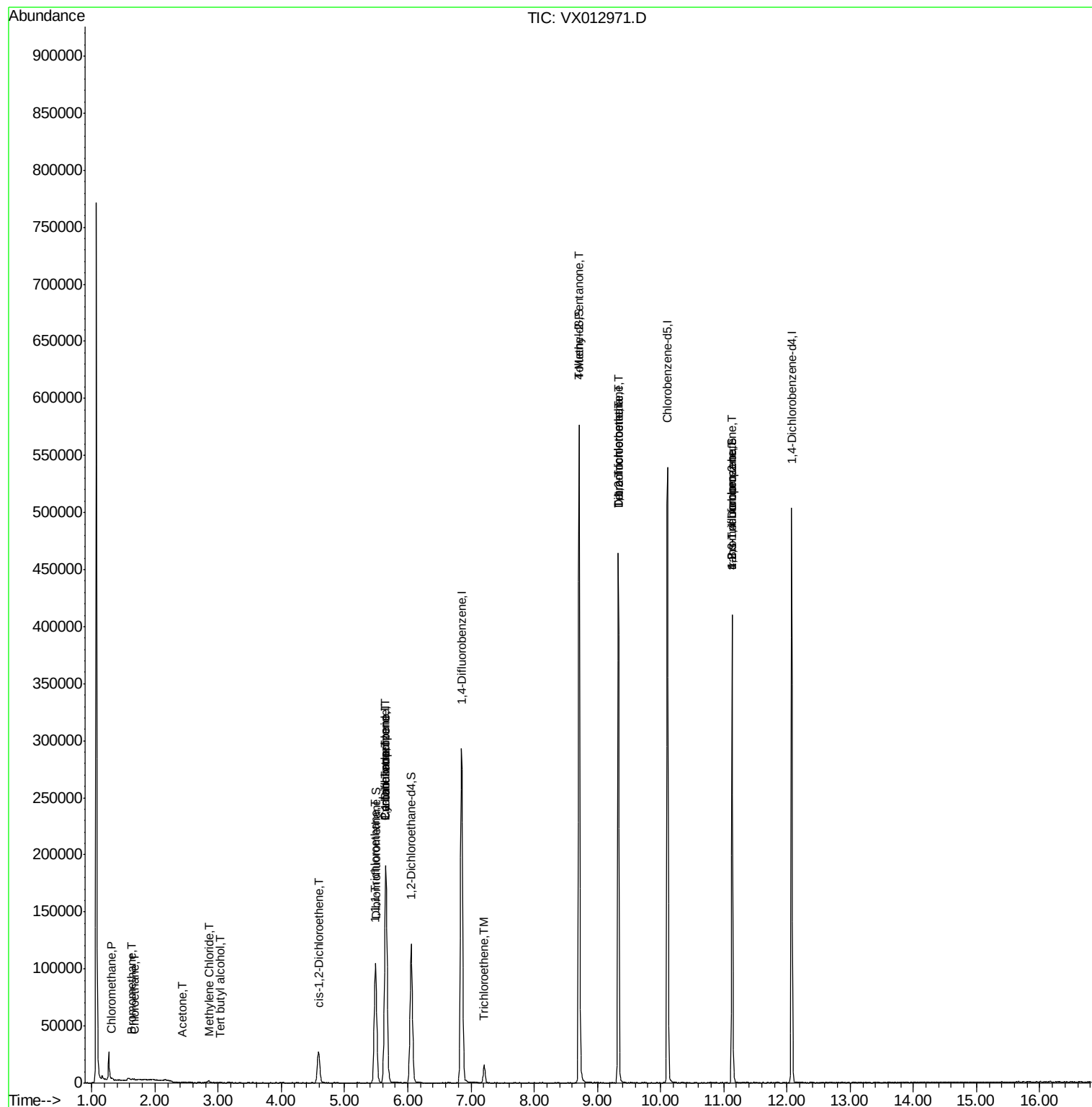
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	808	0.416	ug/l #	87
5) Bromomethane	1.63	94	215	0.258	ug/l #	3
6) Chloroethane	1.67	64	353	0.654	ug/l	96
11) Tert butyl alcohol	3.03	59	405	0.699	ug/l #	72
16) Acetone	2.43	43	628	0.545	ug/l #	77
20) Methylene Chloride	2.86	84	875	0.413	ug/l #	71
27) cis-1,2-Dichloroethene	4.59	96	17381	7.959	ug/l	88
31) Cyclohexane	5.65	56	3621	1.141	ug/l #	1
32) 1,1,1-Trichloroethane	5.48	97	1106	0.375	ug/l #	43
36) 1,1-Dichloropropene	5.65	75	14216	5.516	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18498	7.373	ug/l #	16
44) Trichloroethene	7.21	130	6147	2.912	ug/l	99
51) 4-Methyl-2-Pentanone	8.71	43	1525	0.529	ug/l #	1
55) 1,1,2-Trichloroethane	9.32	97	855	0.444	ug/l #	8
60) Dibromochloromethane	9.33	129	88064	41.392	ug/l #	11
64) Tetrachloroethene	9.33	164	86893	49.879	ug/l	93
76) 1,2,3-Trichloropropane	11.14	75	58163	27.361	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	58163	68.696	ug/l #	10

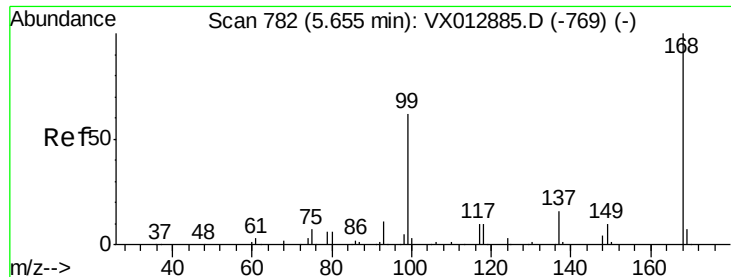
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration

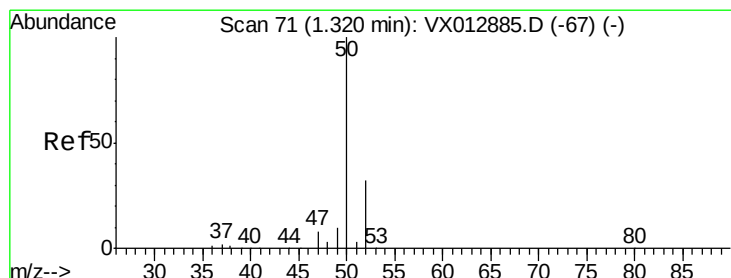
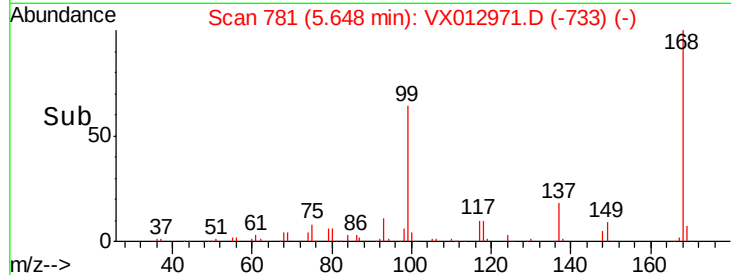
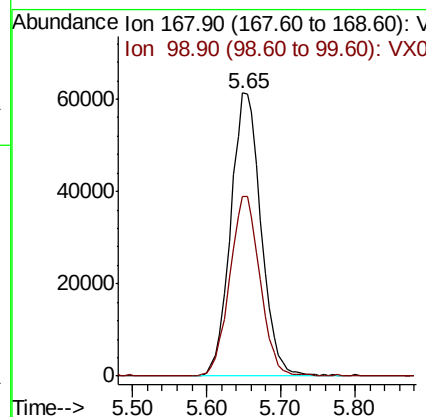
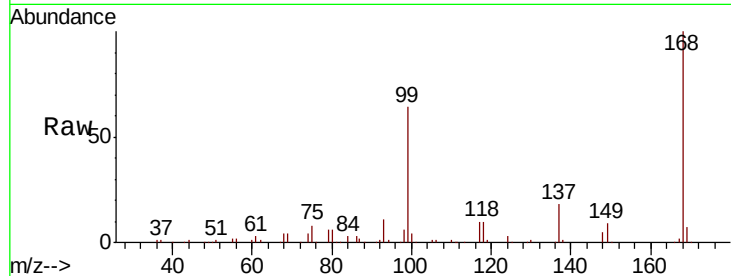




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.01 min
Lab File: VX012971.D
Acq: 10 Oct 2019 03:23

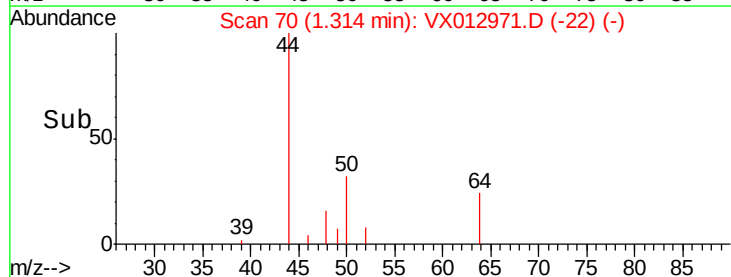
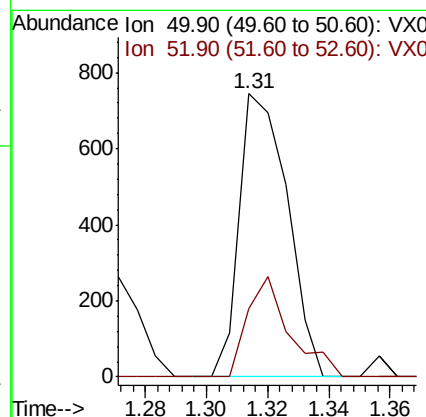
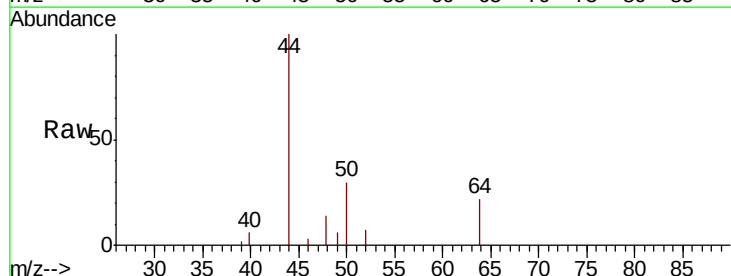
Instrument :
MSVOA_X
ClientSampleId :

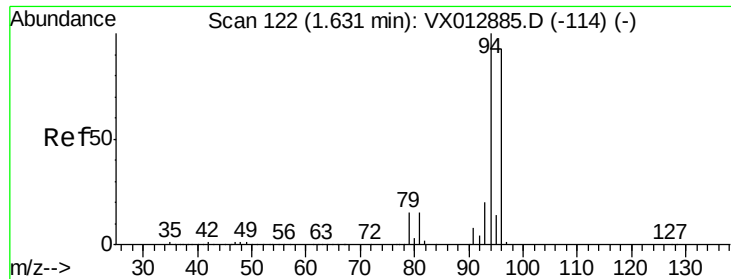
Tot Ion:168 Resp: 174910
Ion Ratio Lower Upper
168 100
99 63.5 49.4 74.0



#3
Chloromethane
Concen: 0.416 ug/l
RT: 1.31 min Scan# 70
Delta R.T. -0.01 min
Lab File: VX012971.D
Acq: 10 Oct 2019 03:23

Tgt Ion: 50 Resp: 808
Ion Ratio Lower Upper
50 100
52 24.3 25.2 37.8#





#5

Bromomethane

Concen: 0.258 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX012971.D

Acq: 10 Oct 2019 03:23

Instrument :

MSVOA_X

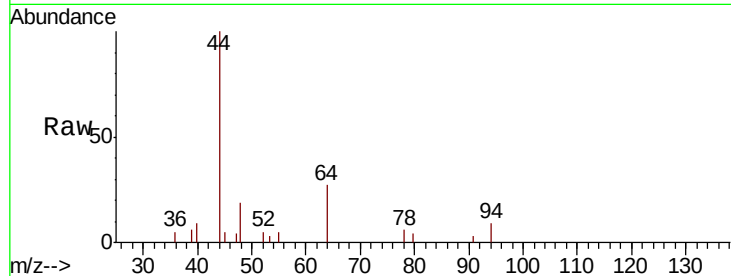
ClientSampleId :

Tot Ion: 94 Resp: 215

Ion Ratio Lower Upper

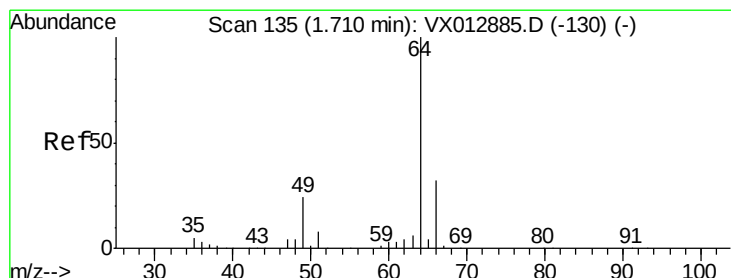
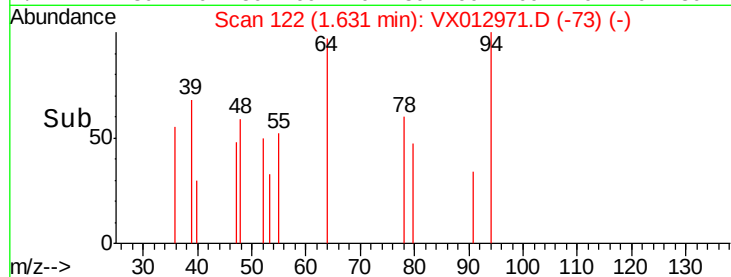
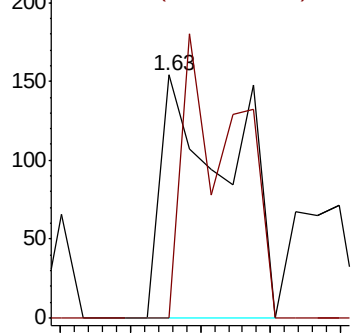
94 100

96 0.0 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: 0.654 ug/l

RT: 1.67 min Scan# 129

Delta R.T. -0.04 min

Lab File: VX012971.D

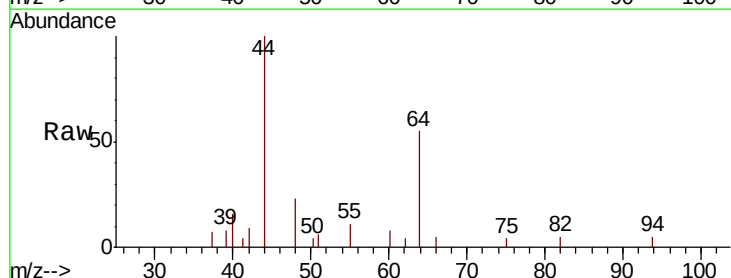
Acq: 10 Oct 2019 03:23

Tgt Ion: 64 Resp: 353

Ion Ratio Lower Upper

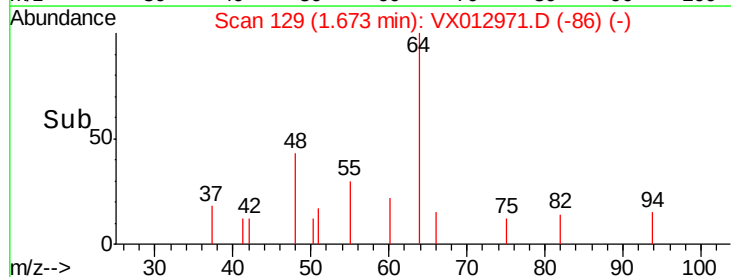
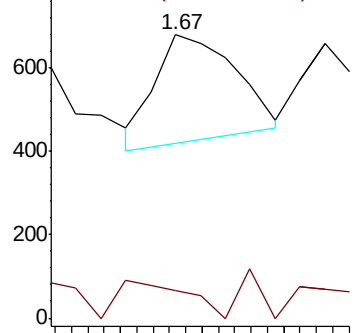
64 100

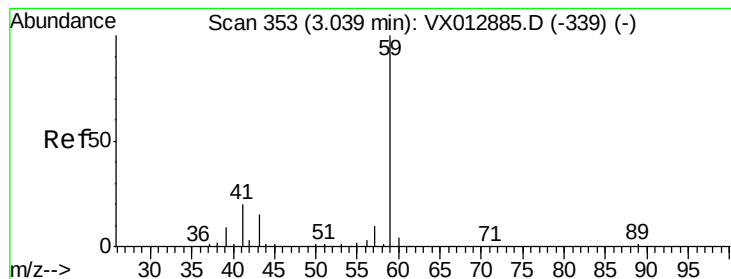
66 30.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



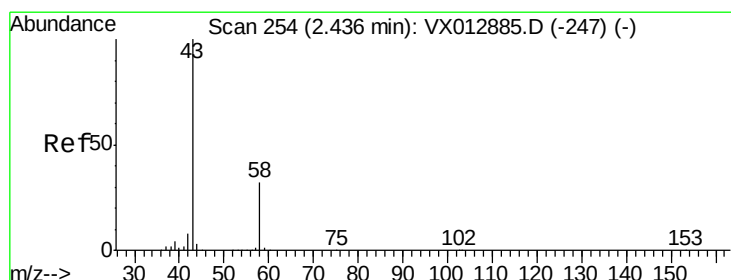
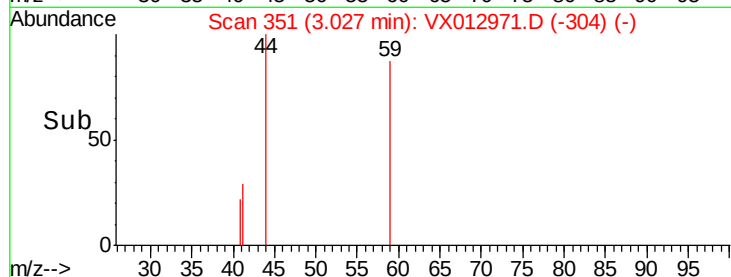
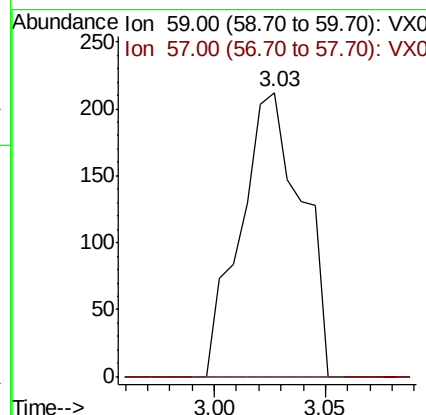
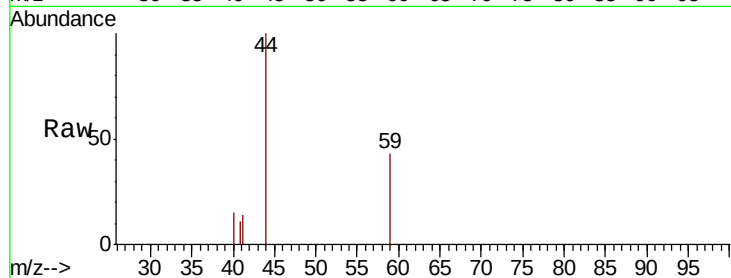


#11

Tert butyl alcohol
 Concen: 0.699 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012971.D
 Acq: 10 Oct 2019 03:23

Instrument :
 MSVOA_X
 ClientSampled :

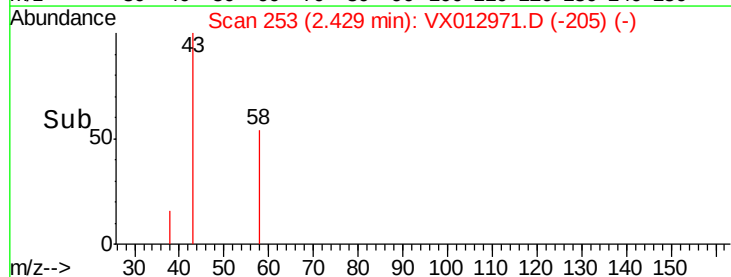
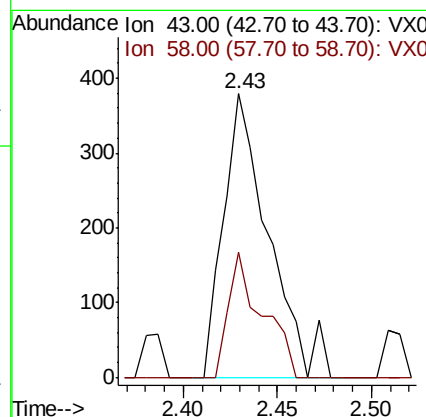
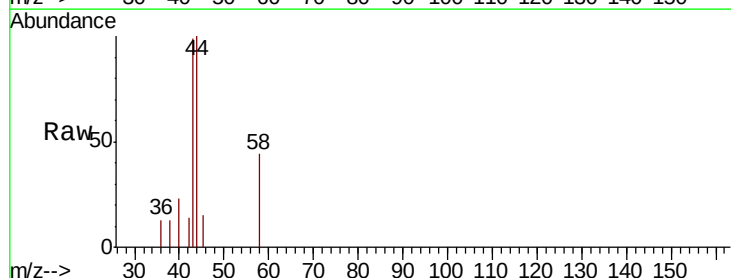
Tot Ion: 59 Resp: 405
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

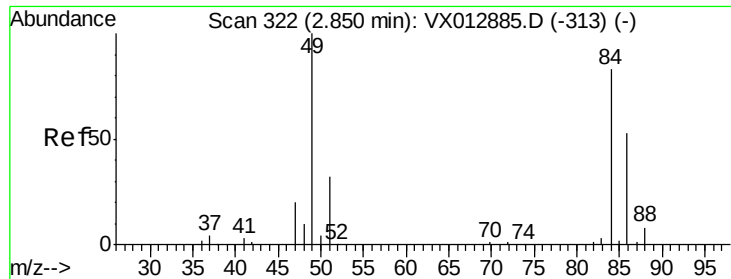


#16

Acetone
 Concen: 0.545 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012971.D
 Acq: 10 Oct 2019 03:23

Tgt Ion: 43 Resp: 628
 Ion Ratio Lower Upper
 43 100
 58 44.3 25.4 38.2#

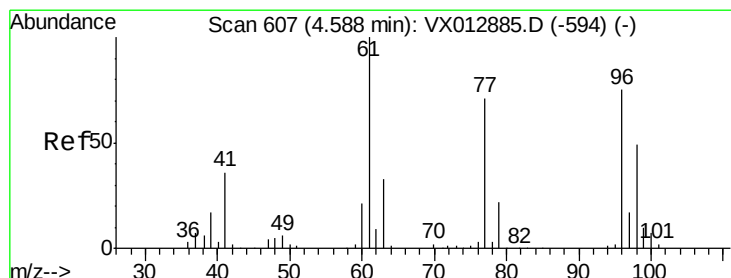
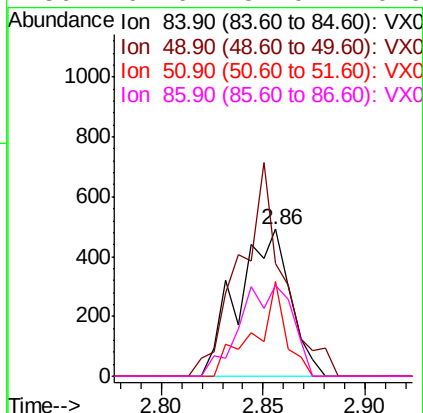
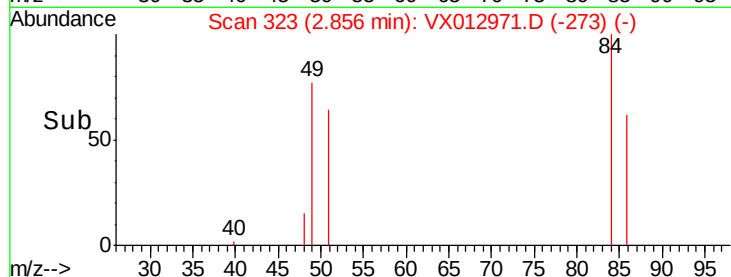
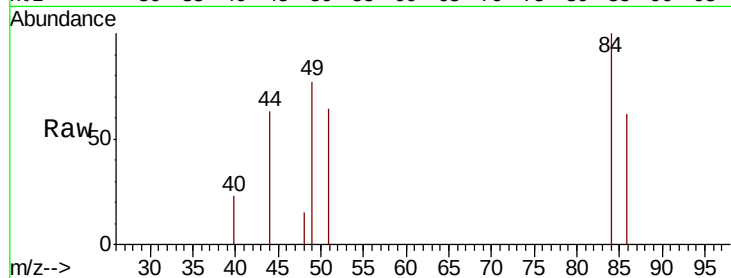




#20
Methvlene Chloride
Concen: 0.413 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX012971.D
Acq: 10 Oct 2019 03:23

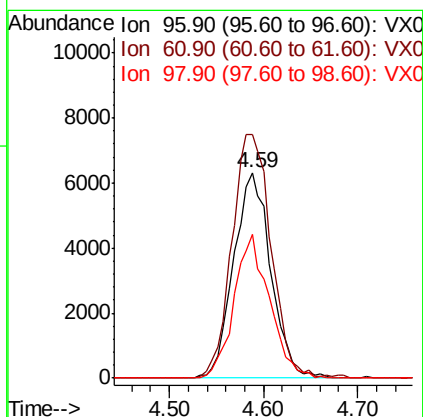
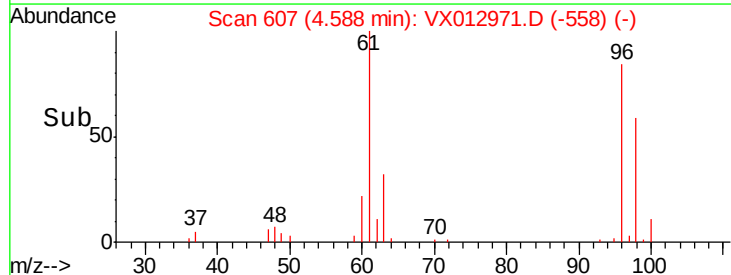
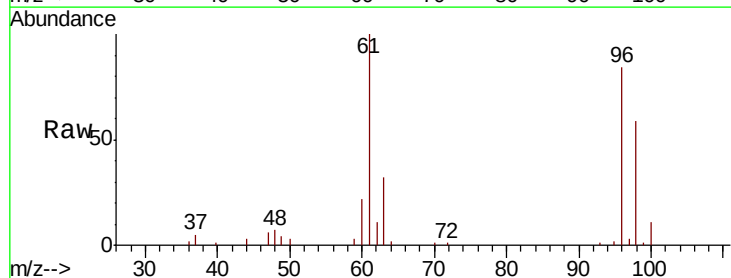
Instrument :
MSVOA_X
ClientSampled :

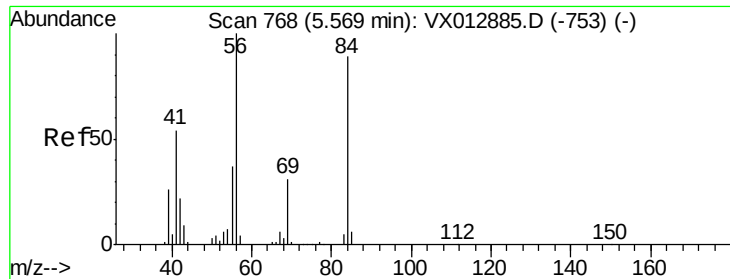
Tot Ion: 84 Resp: 875
Ion Ratio Lower Upper
84 100
49 76.6 96.6 144.8#
51 64.0 30.7 46.1#
86 61.6 51.0 76.6



#27
cis-1,2-Dichloroethene
Concen: 7.959 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX012971.D
Acq: 10 Oct 2019 03:23

Tgt Ion: 96 Resp: 17381
Ion Ratio Lower Upper
96 100
61 124.8 0.0 290.6
98 66.6 0.0 128.8

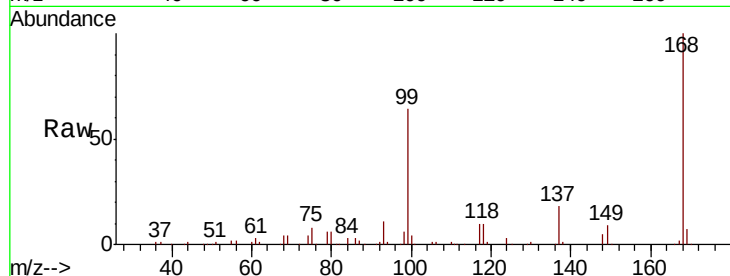




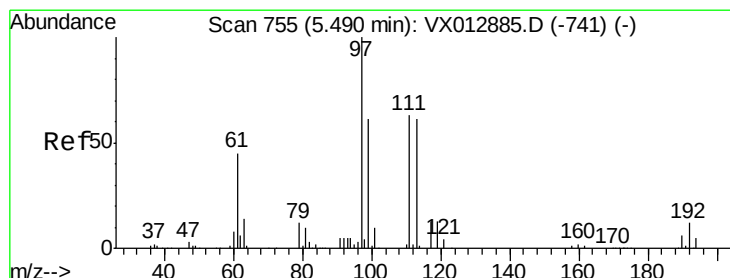
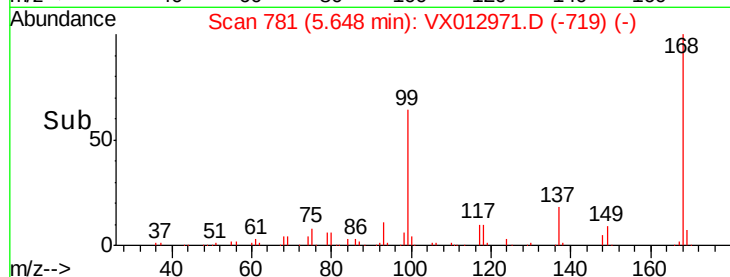
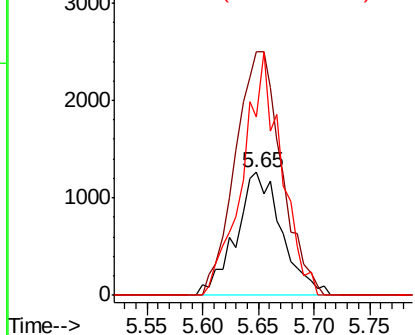
#31
Cyclohexane
Concen: 1.141 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012971.D
Acq: 10 Oct 2019 03:23

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 3621
Ion Ratio Lower Upper
56 100
69 198.3 25.2 37.8#
84 145.1 71.3 106.9#

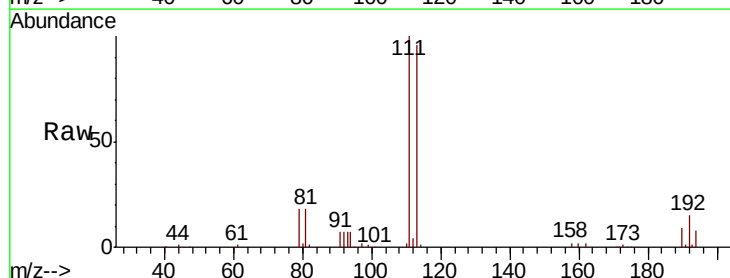


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

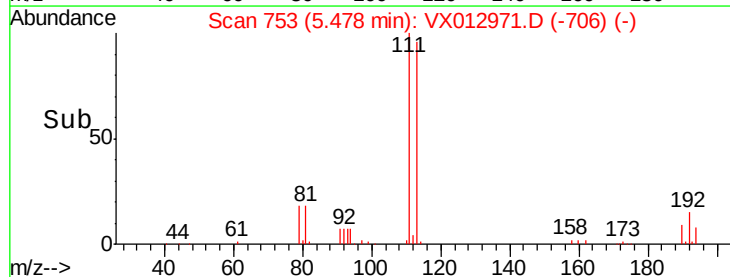
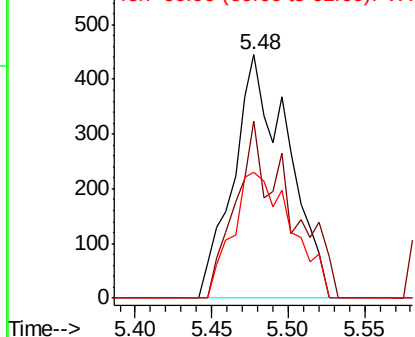


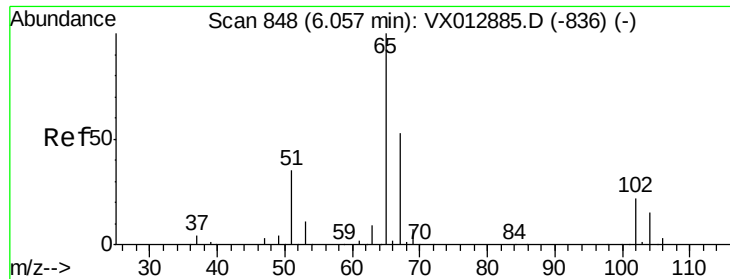
#32
1,1,1-Trichloroethane
Concen: 0.375 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012971.D
Acq: 10 Oct 2019 03:23

Tgt Ion: 97 Resp: 1106
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 56.0 35.0 52.4#



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

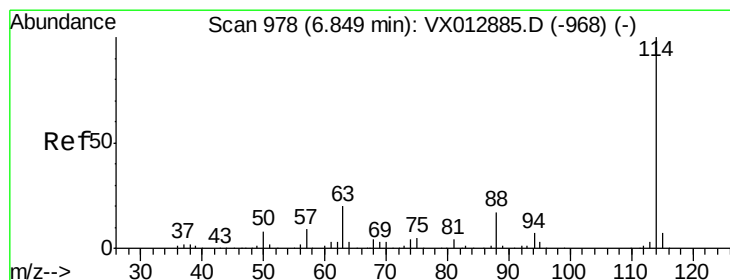
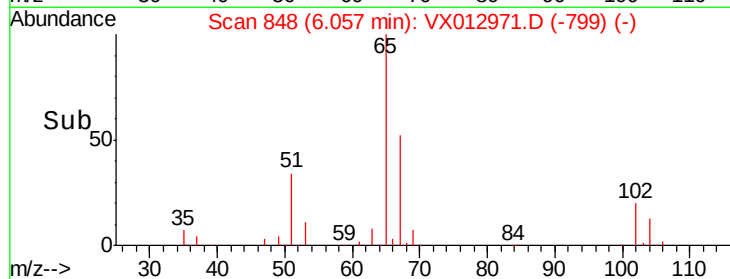
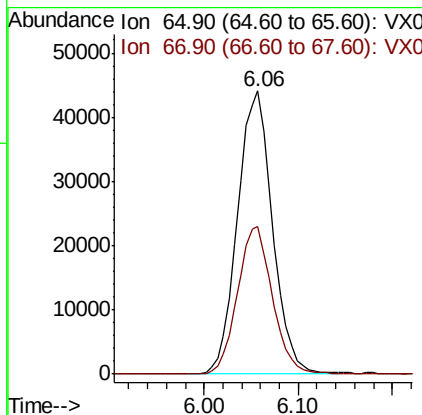
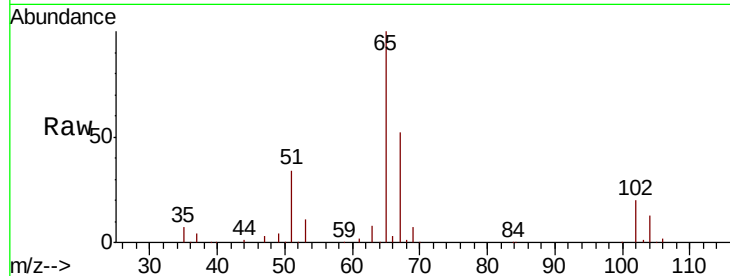




#33
 1,2-Dichloroethane-d4
 Concen: 52.444 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VX012971.D
 Acq: 10 Oct 2019 03:23

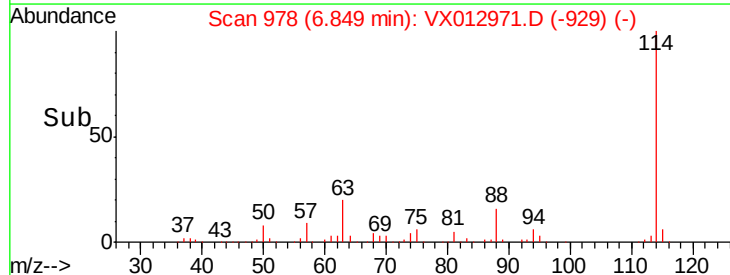
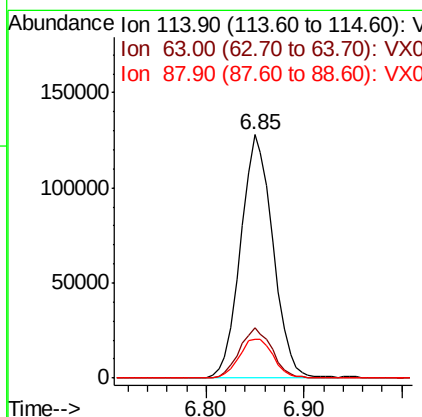
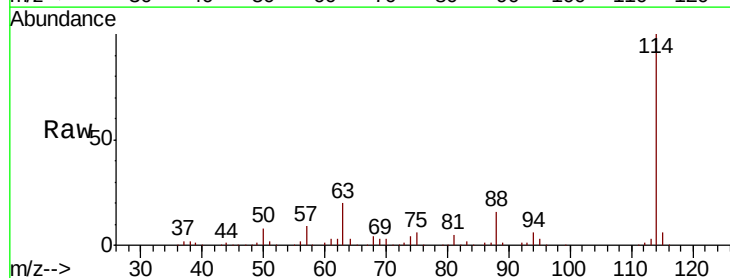
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 MSVOA_X
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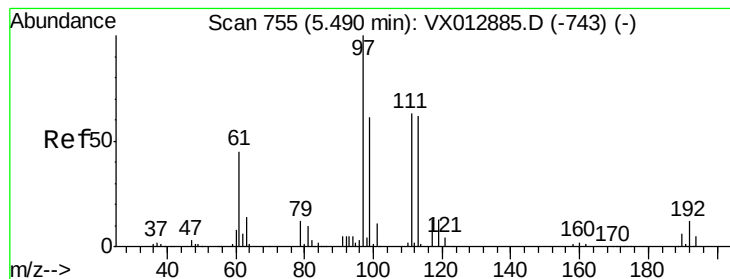
Tot Ion: 65 Resp: 114651
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012971.D
 Acq: 10 Oct 2019 03:23

Tgt Ion: 114 Resp: 293154
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 16.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.862 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012971.D

Acq: 10 Oct 2019 03:23

Instrument :

MSVOA_X

ClientSampleId :

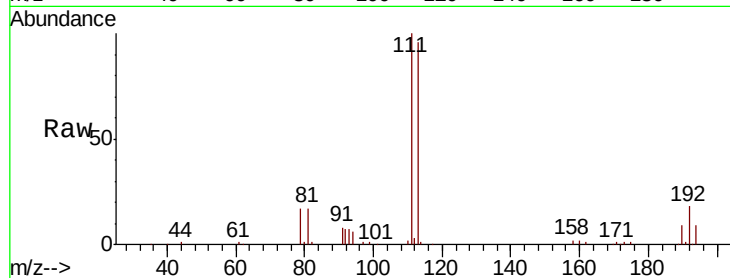
Tot Ion:113 Resp: 88943

Ion Ratio Lower Upper

113 100

111 103.2 83.2 124.8

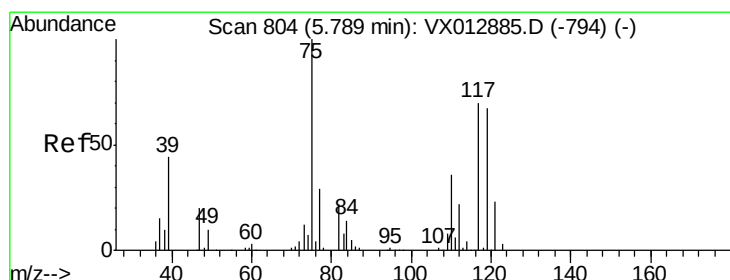
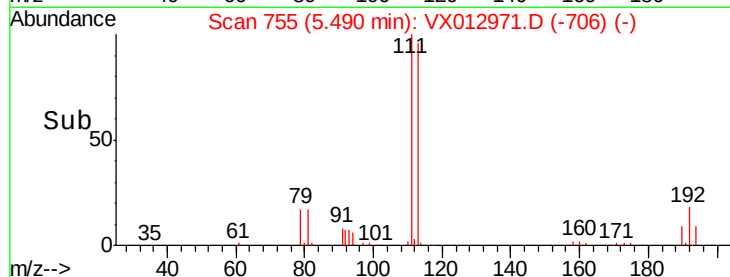
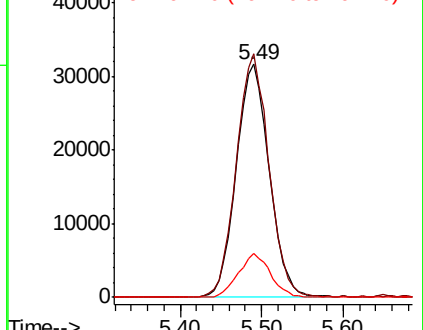
192 18.3 15.4 23.2



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: 5.516 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012971.D

Acq: 10 Oct 2019 03:23

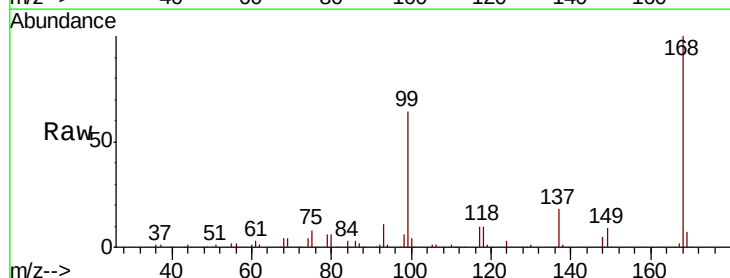
Tgt Ion: 75 Resp: 14216

Ion Ratio Lower Upper

75 100

110 9.1 17.6 52.9#

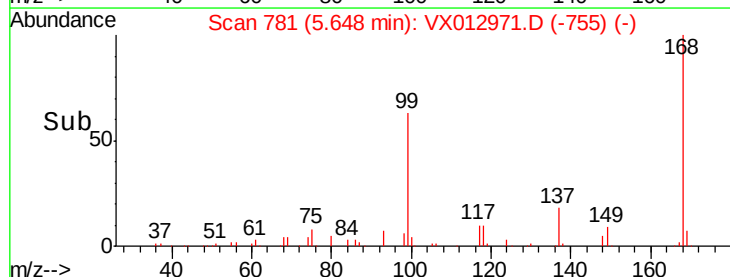
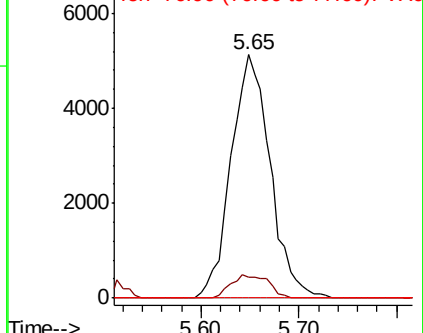
77 0.0 24.4 36.6#

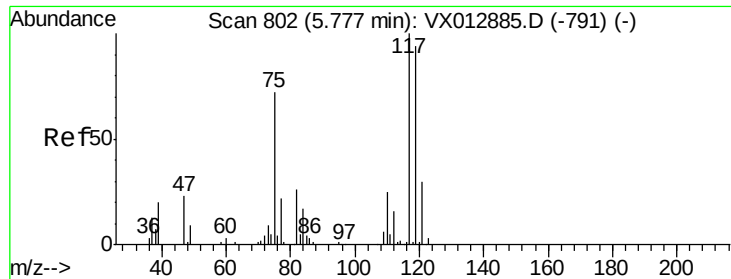


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.373 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012971.D

Acq: 10 Oct 2019 03:23

Instrument :

MSVOA_X

ClientSampleId :

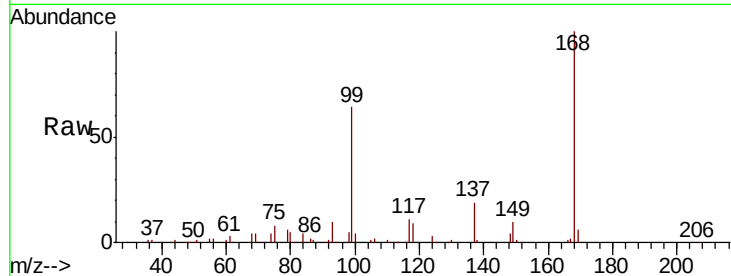
Tot Ion:117 Resp: 18498

Ion Ratio Lower Upper

117 100

119 3.8 74.5 111.7#

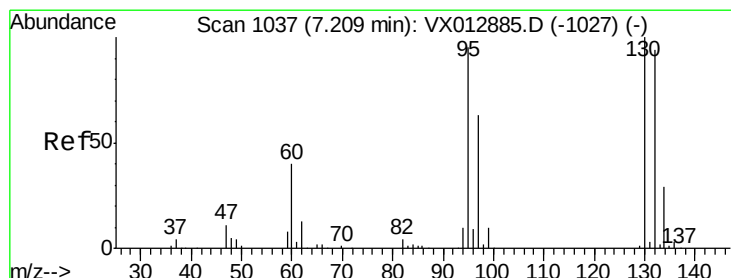
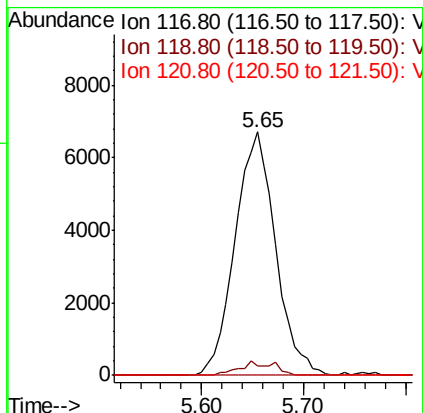
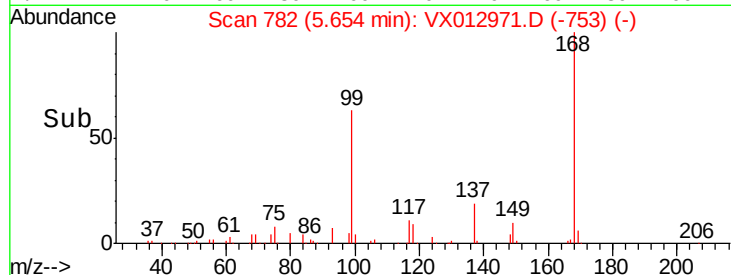
121 0.0 24.2 36.4#



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: 2.912 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX012971.D

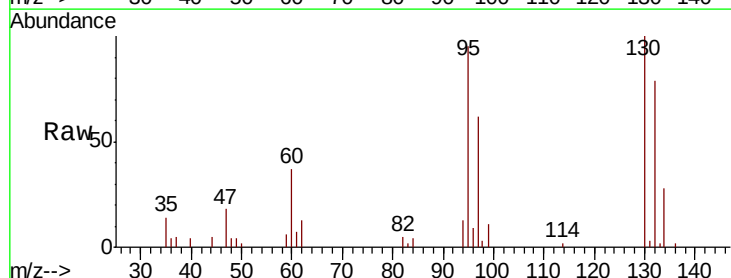
Acq: 10 Oct 2019 03:23

Tgt Ion:130 Resp: 6147

Ion Ratio Lower Upper

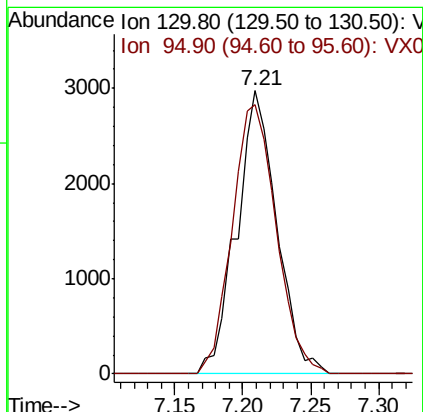
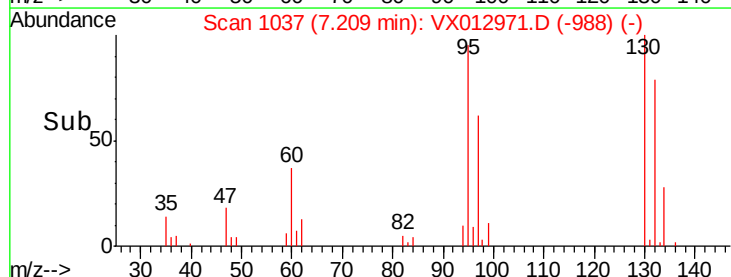
130 100

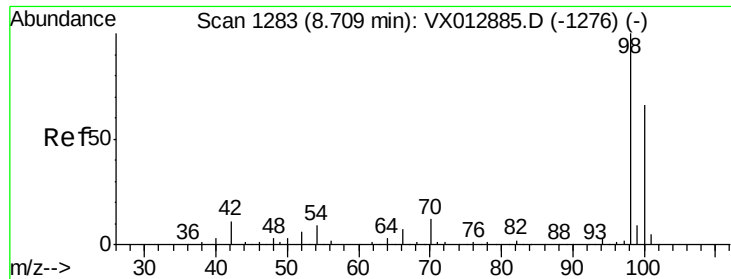
95 95.3 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

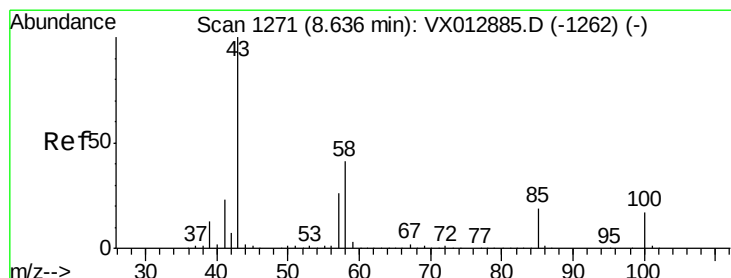
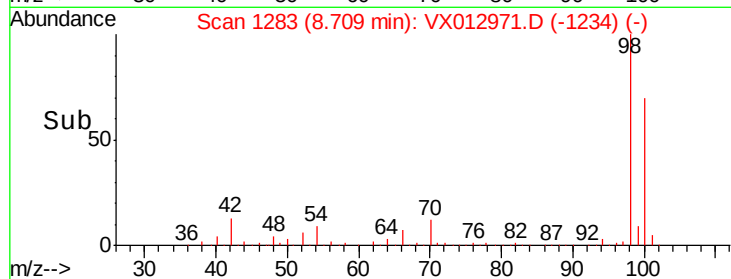
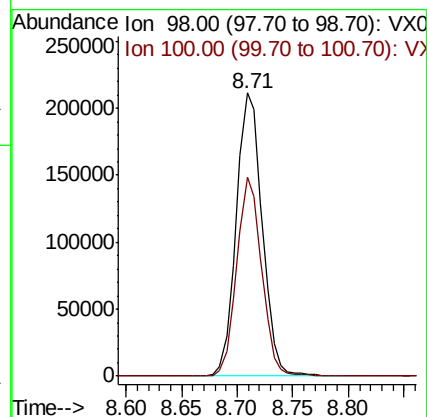
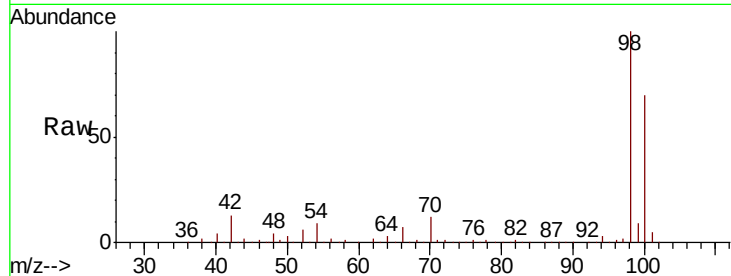




#50
Toluene-d8
Concen: 52.117 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012971.D
Acq: 10 Oct 2019 03:23

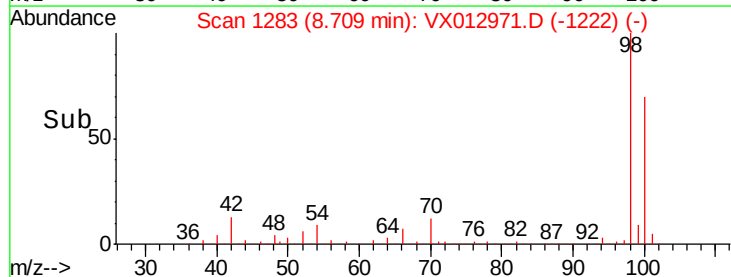
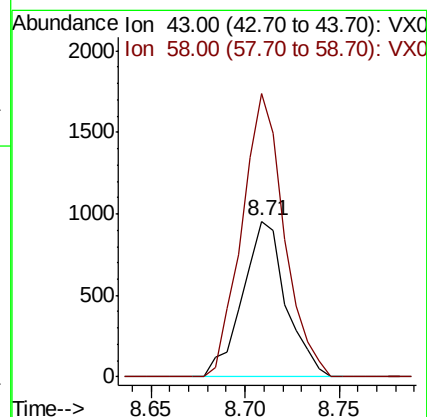
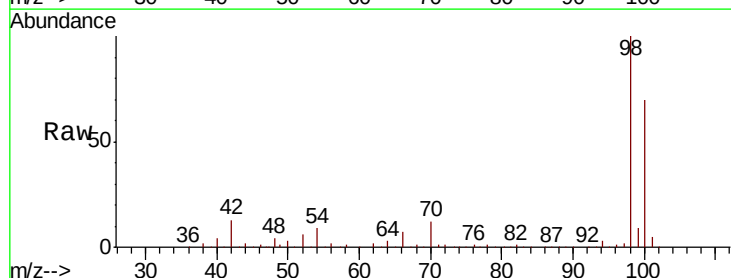
Instrument :
MSVOA_X
ClientSampleId :

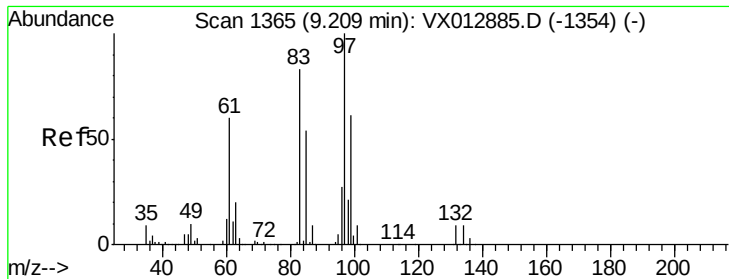
Tot Ion: 98 Resp: 342009
Ion Ratio Lower Upper
98 100
100 67.6 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.529 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012971.D
Acq: 10 Oct 2019 03:23

Tgt Ion: 43 Resp: 1525
Ion Ratio Lower Upper
43 100
58 177.7 32.4 48.6#





#55

1,1,2-Trichloroethane

Concen: 0.444 ug/l

RT: 9.32 min Scan# 1384

Delta R.T. 0.12 min

Lab File: VX012971.D

Acq: 10 Oct 2019 03:23

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 97 Resp: 855

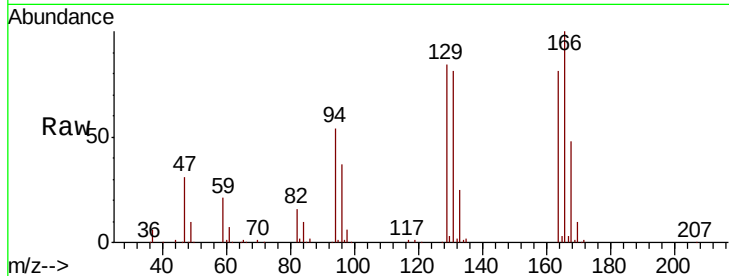
Ion Ratio Lower Upper

97 100

83 232.4 66.5 99.7#

85 34.7 43.1 64.7#

99 23.9 49.2 73.8#



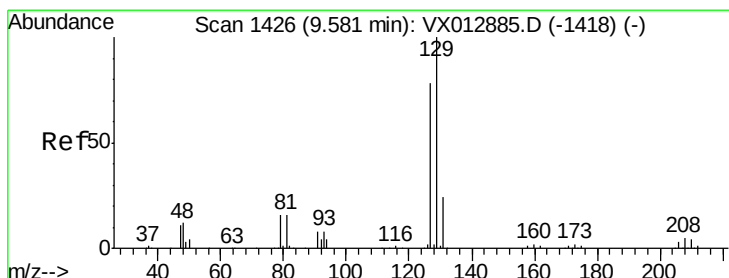
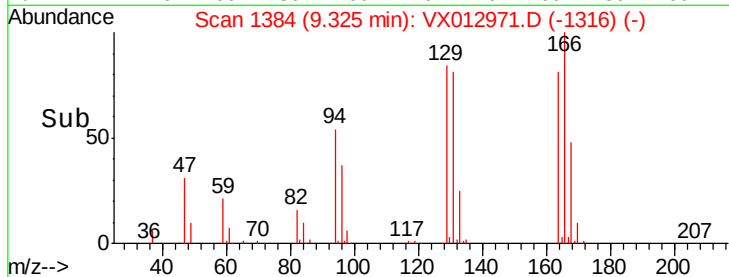
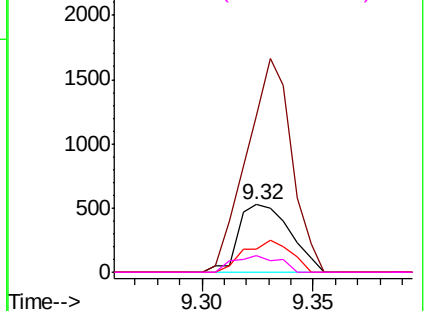
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#60

Dibromochloromethane

Concen: 41.392 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012971.D

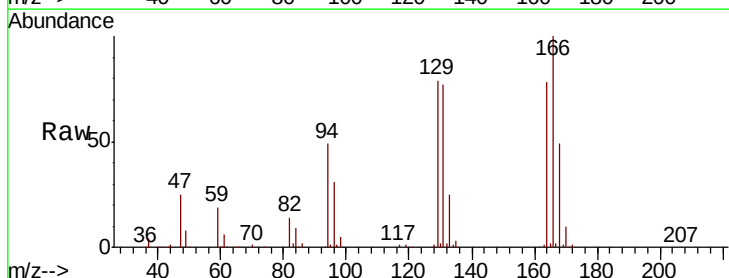
Acq: 10 Oct 2019 03:23

Tgt Ion:129 Resp: 88064

Ion Ratio Lower Upper

129 100

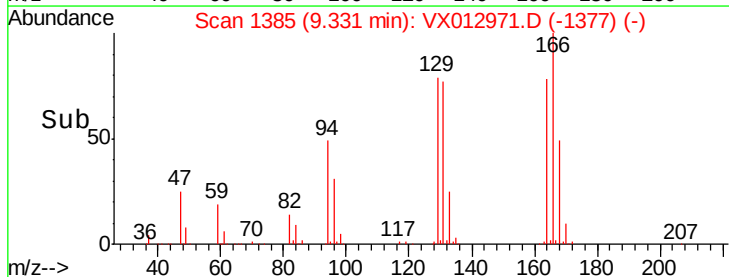
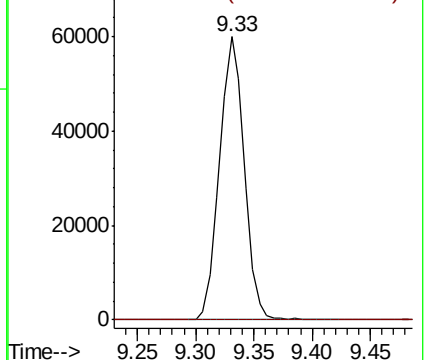
127 0.1 38.9 116.7#

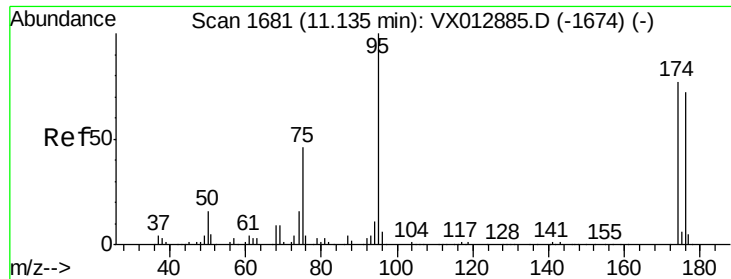


Abundance

Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 45.942 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012971.D

Acq: 10 Oct 2019 03:23

Instrument :

MSVOA_X

ClientSampleId :

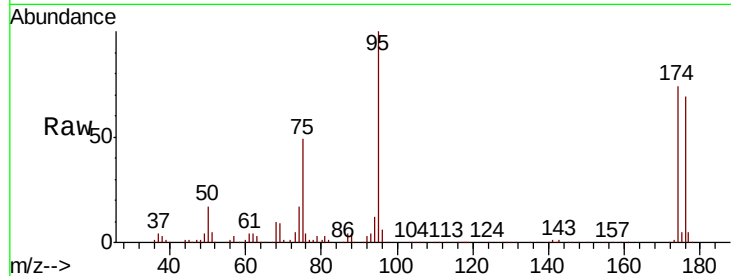
Tot Ion: 95 Resp: 117144

Ion Ratio Lower Upper

95 100

174 71.0 0.0 143.4

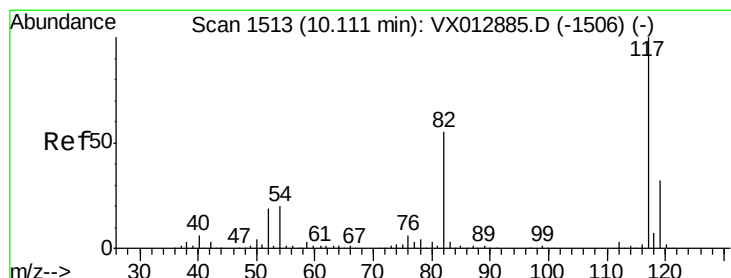
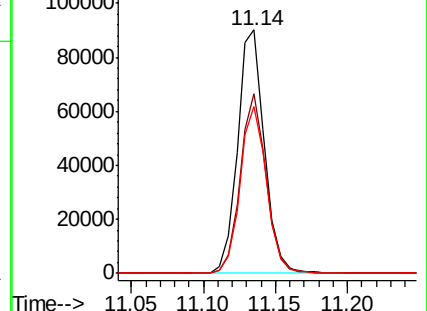
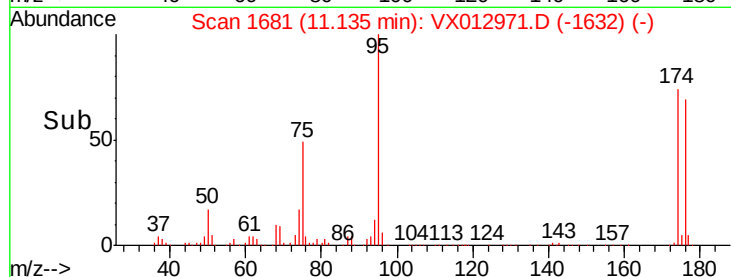
176 67.5 0.0 136.0



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: VX012971.D

Acq: 10 Oct 2019 03:23

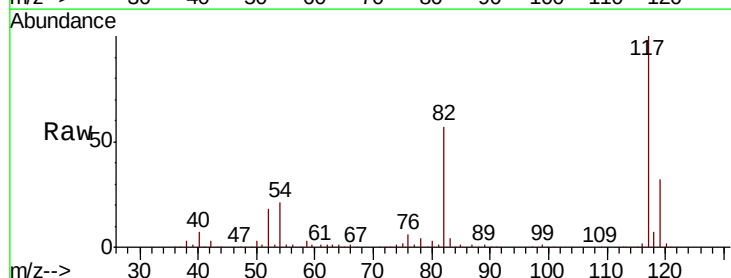
Tgt Ion: 117 Resp: 251166

Ion Ratio Lower Upper

117 100

82 57.5 44.1 66.1

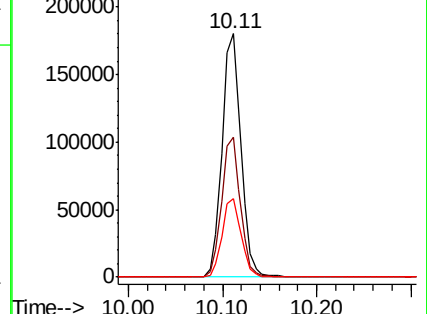
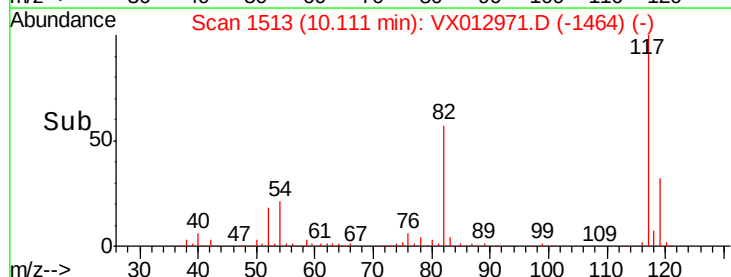
119 32.1 25.8 38.8

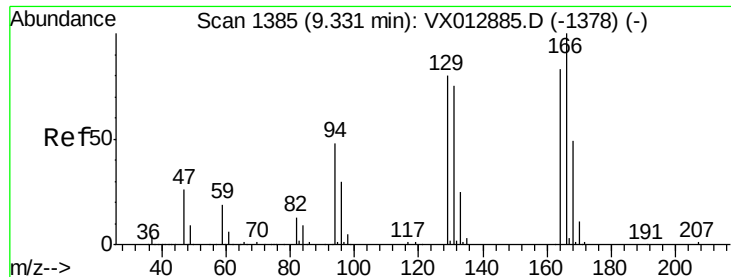


Abundance Ion 116.90 (116.60 to 117.60): VX012885.D (-1506) (-)

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

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

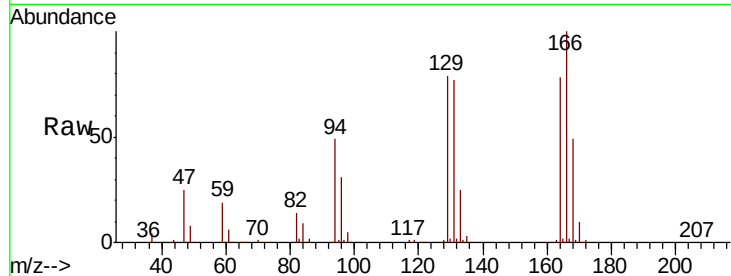




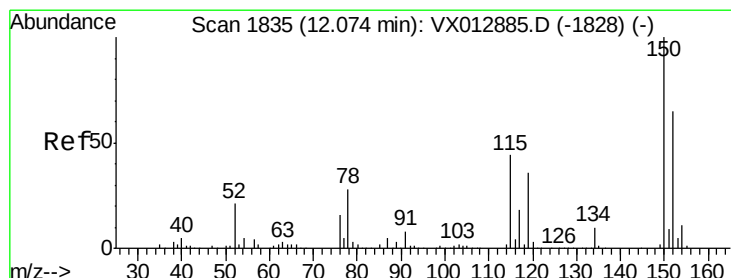
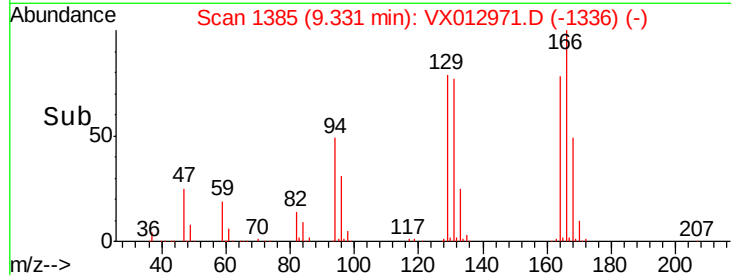
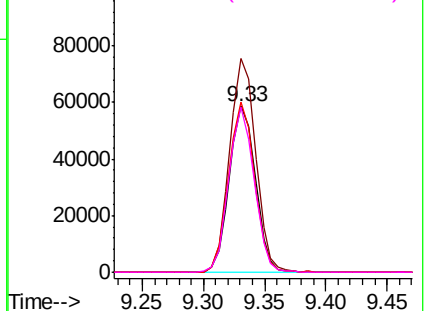
#64
Tetrachloroethene
Concen: 49.879 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012971.D
Acq: 10 Oct 2019 03:23

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:164 Resp: 86893
Ion Ratio Lower Upper
164 100
166 128.4 96.9 145.3
129 102.1 77.9 116.9
131 98.9 72.7 109.1

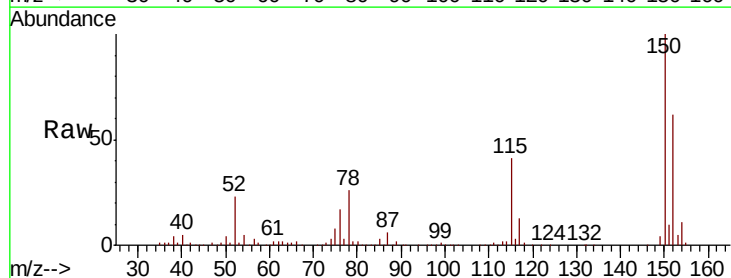


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

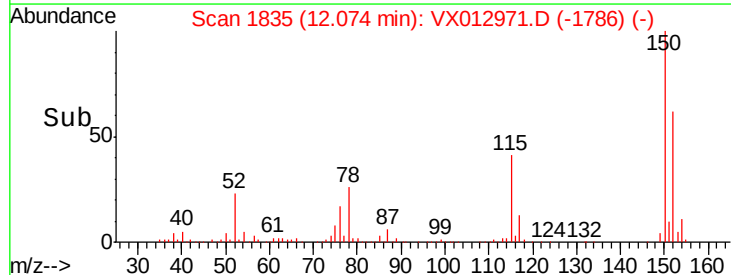
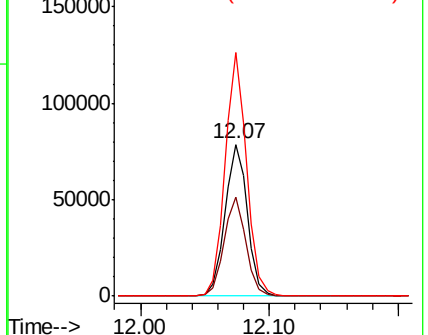


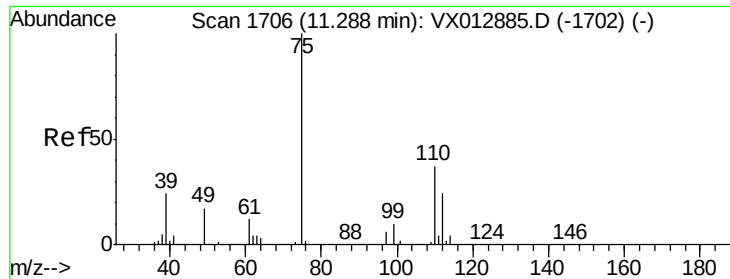
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012971.D
Acq: 10 Oct 2019 03:23

Tgt Ion:152 Resp: 95841
Ion Ratio Lower Upper
152 100
115 64.2 44.5 133.5
150 154.8 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: 27.361 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012971.D

Acq: 10 Oct 2019 03:23

Instrument :

MSVOA_X

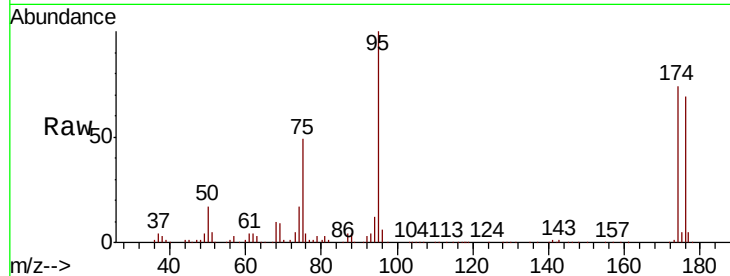
ClientSampleId :

Tot Ion: 75 Resp: 58163

Ion Ratio Lower Upper

75 100

77 1.3 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

40000

30000

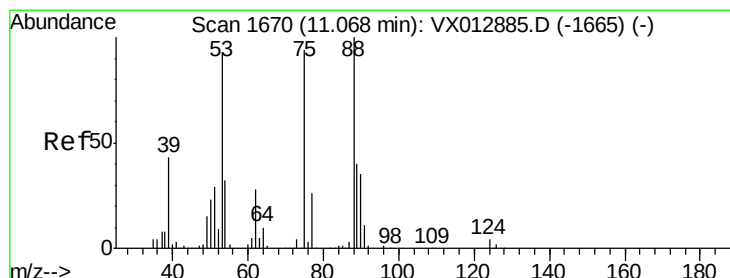
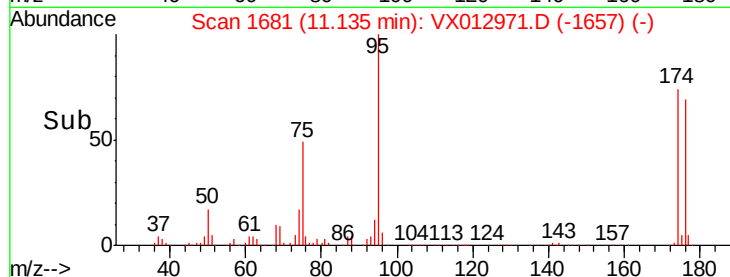
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 68.696 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012971.D

Acq: 10 Oct 2019 03:23

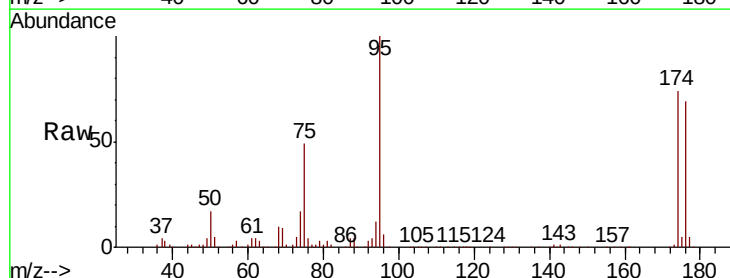
Tgt Ion: 75 Resp: 58163

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 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

