

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101119\
 Data File : VX013020.D
 Acq On : 11 Oct 2019 16:43
 Operator : JC/SP
 Sample : K5307-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 391009765-TRIP-BLANK

Quant Time: Oct 11 23:27:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	178330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	291616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95132	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	112357	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
35) Dibromofluoromethane	5.49	113	85528	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
50) Toluene-d8	8.71	98	342048	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	11.14	95	113790	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	

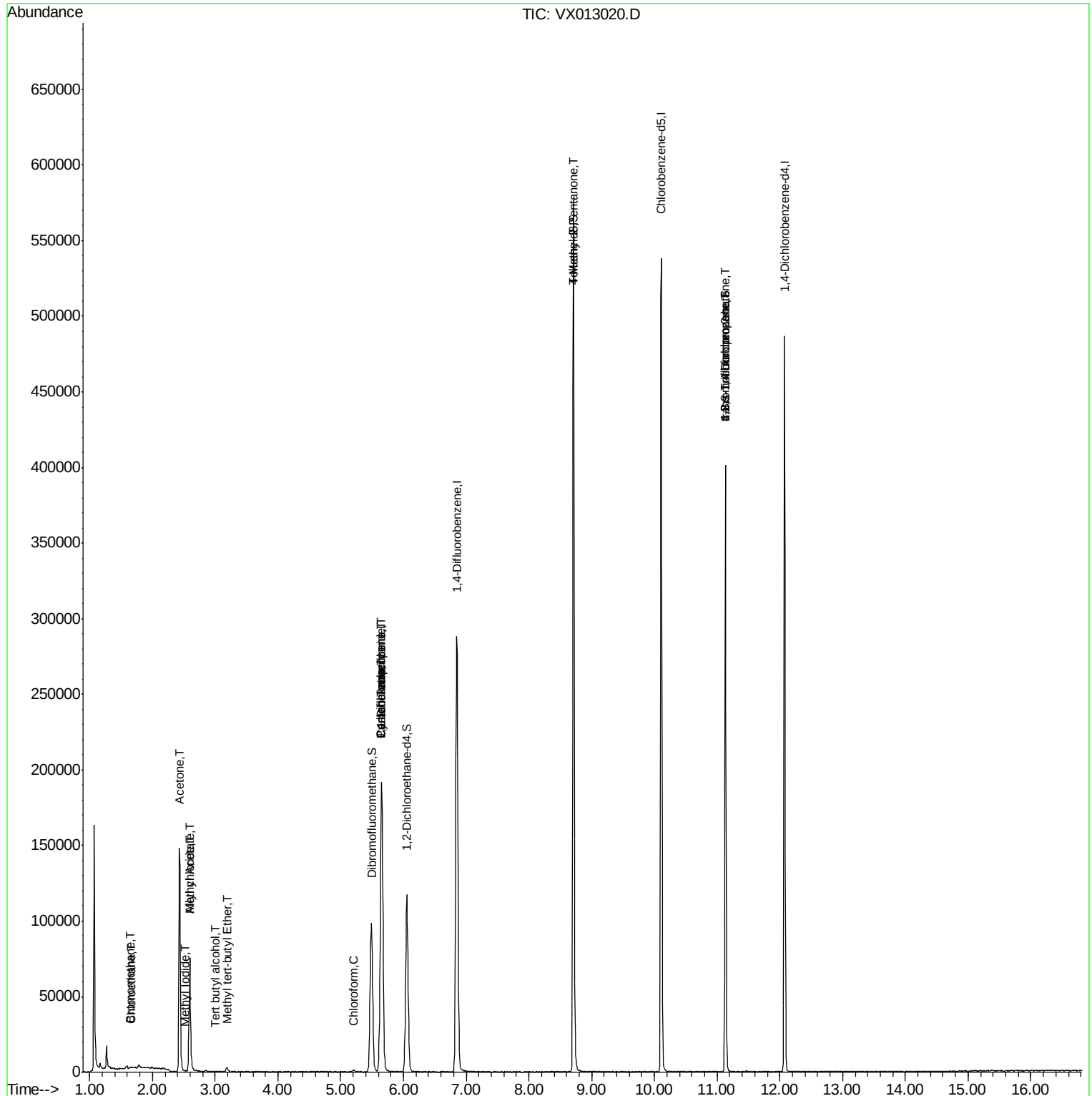
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	281	0.331	ug/l #	55
6) Chloroethane	1.66	64	1640	1.673	ug/l #	43
10) Methyl Iodide	2.51	142	164	5.155	ug/l #	40
11) Tert butyl alcohol	3.01	59	226	0.382	ug/l #	72
14) Allyl chloride	2.59	41	7010	2.184	ug/l #	61
16) Acetone	2.43	43	154408	131.428	ug/l	99
18) Methyl Acetate	2.59	43	19263	6.917	ug/l #	51
19) Methyl tert-butyl Ether	3.19	73	3163	0.508	ug/l	98
28) Bromochloromethane	5.22	49	73	Below Cal	#	13
30) Chloroform	5.21	83	1384	0.390	ug/l #	70
31) Cyclohexane	5.65	56	3934	1.216	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14153	5.520	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18675	7.483	ug/l #	18
51) 4-Methyl-2-Pentanone	8.70	43	1621	0.565	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	55480	26.294	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	55480	66.175	ug/l #	10

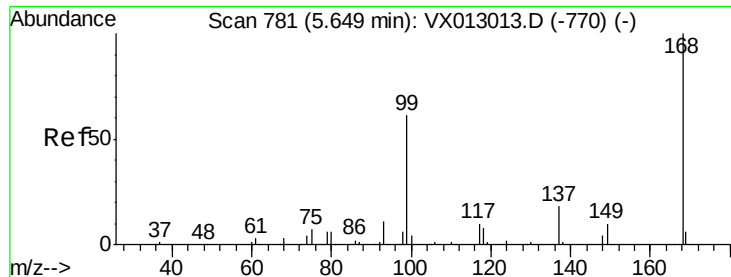
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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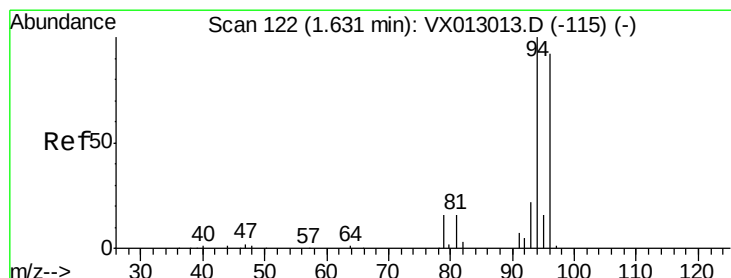
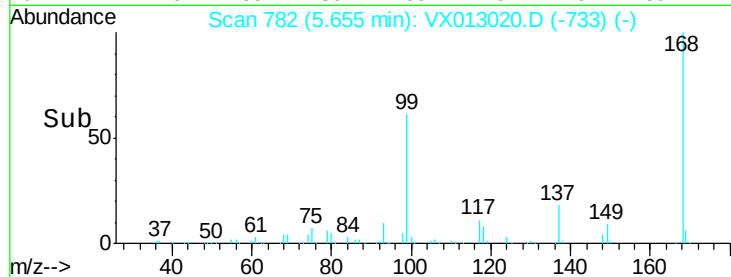
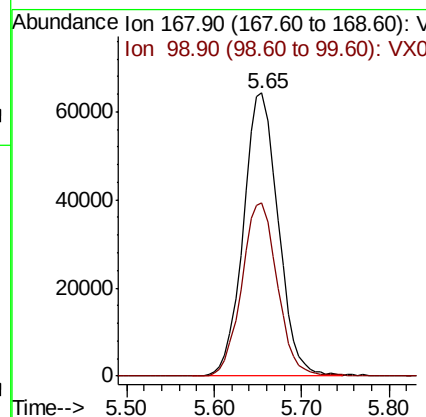
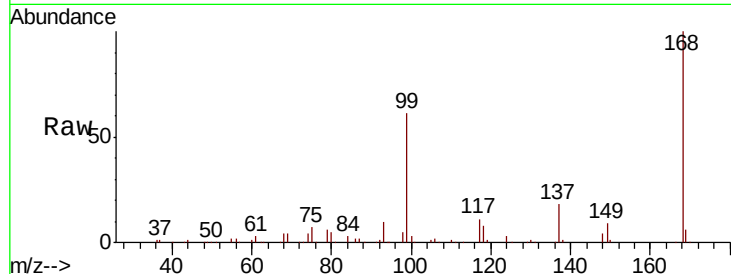




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX013020.D
Acq: 11 Oct 2019 16:43

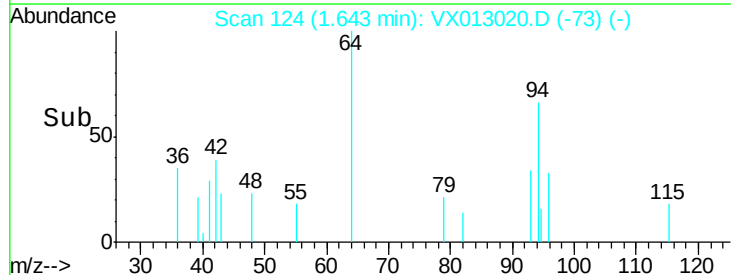
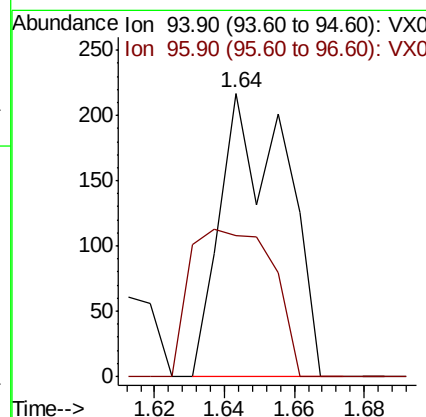
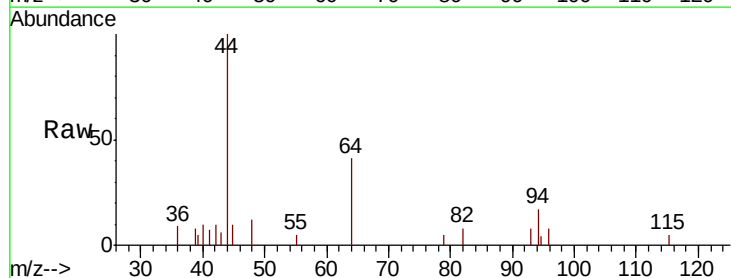
Instrument :
MSVOA_X
ClientSampleId :
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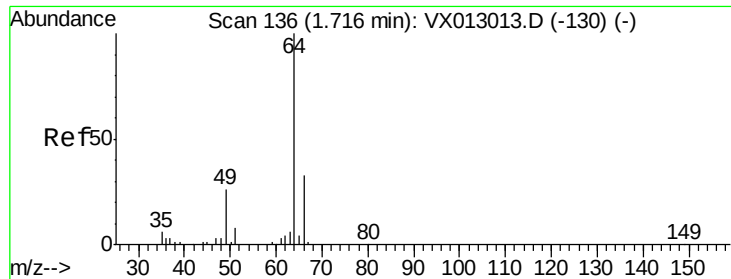
Tot Ion:168 Resp: 178330
Ion Ratio Lower Upper
168 100
99 61.2 49.4 74.0



#5
Bromomethane
Concen: 0.331 ug/l
RT: 1.64 min Scan# 124
Delta R.T. 0.01 min
Lab File: VX013020.D
Acq: 11 Oct 2019 16:43

Tgt Ion: 94 Resp: 281
Ion Ratio Lower Upper
94 100
96 49.8 74.7 112.1#





#6

Chloroethane

Concen: 1.673 ug/l

RT: 1.66 min Scan# 126

Delta R.T. -0.05 min

Lab File: VX013020.D

Acq: 11 Oct 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

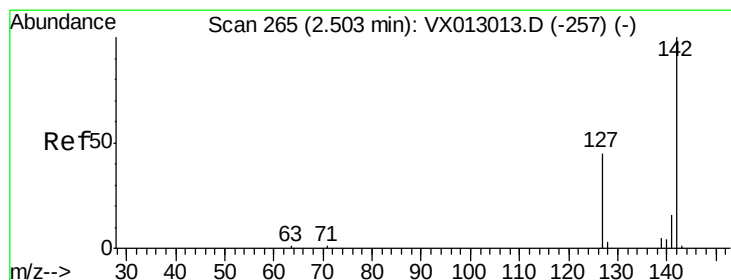
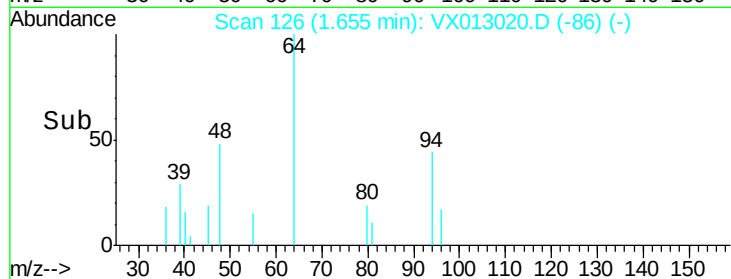
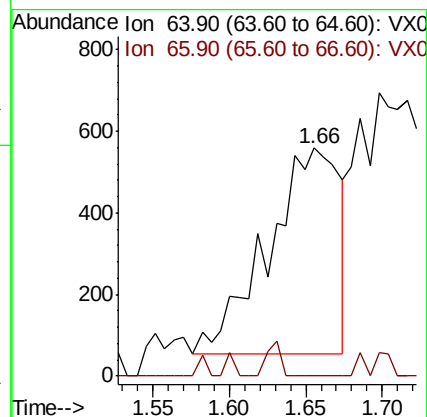
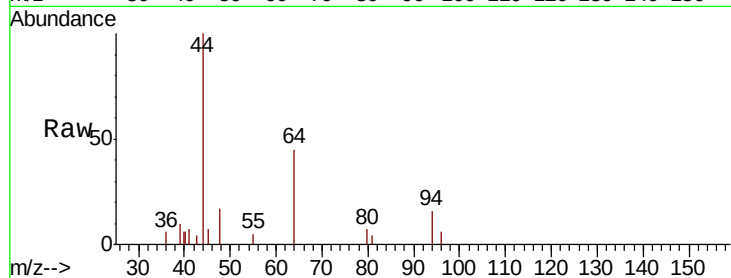
391009765-TRIP-BLANK

Tot Ion: 64 Resp: 1640

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#10

Methyl Iodide

Concen: 5.155 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX013020.D

Acq: 11 Oct 2019 16:43

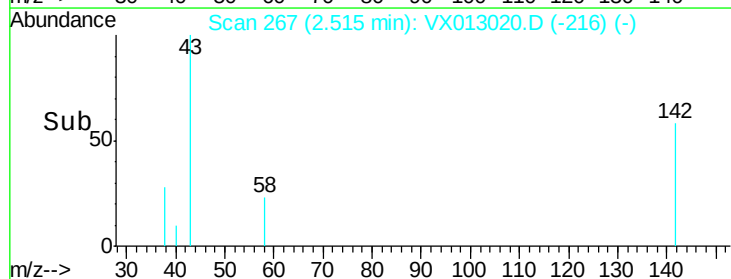
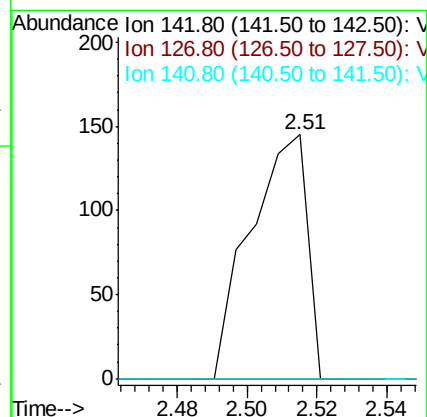
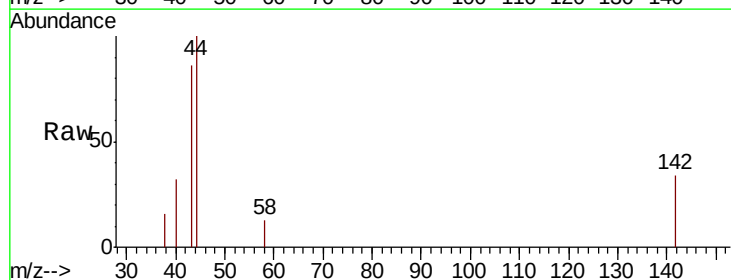
Tgt Ion: 142 Resp: 164

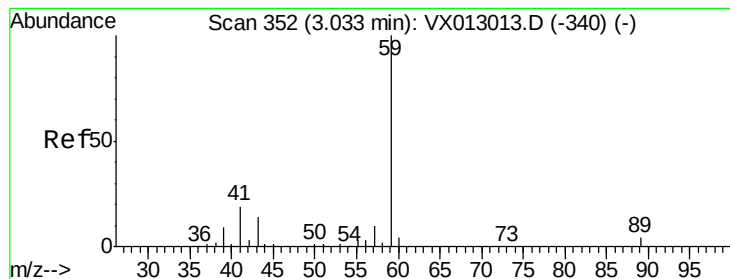
Ion Ratio Lower Upper

142 100

127 0.0 34.9 52.3#

141 0.0 11.6 17.4#



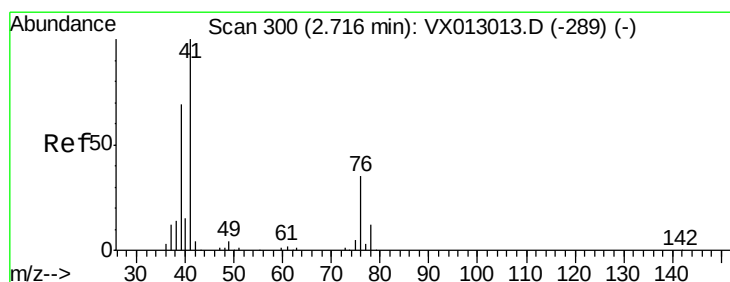
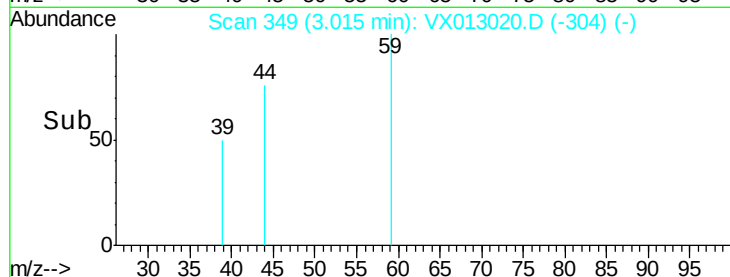
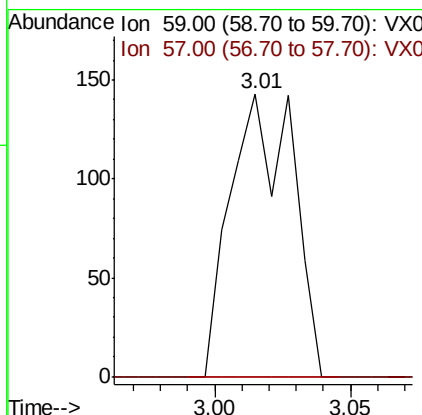
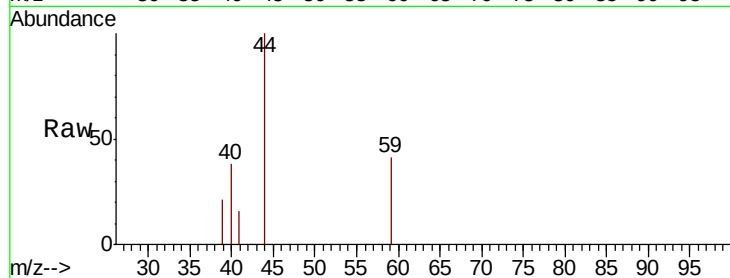


#11

Tert butyl alcohol
 Concen: 0.382 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.02 min
 Lab File: VX013020.D
 Acq: 11 Oct 2019 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 391009765-TRIP-BLANK

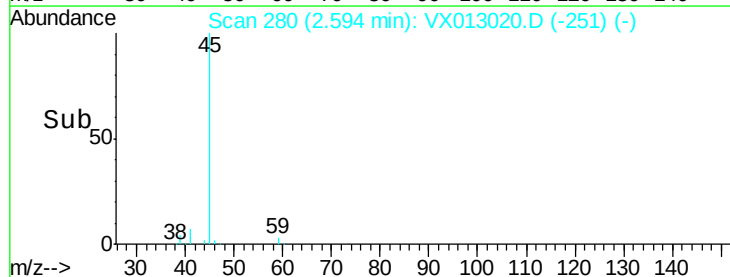
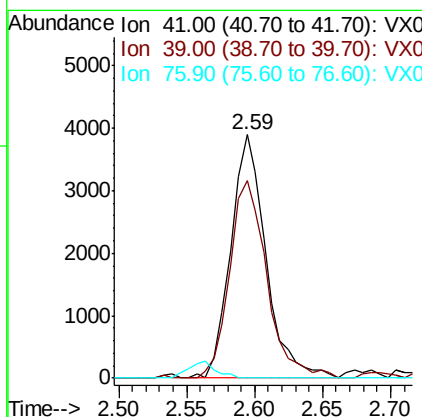
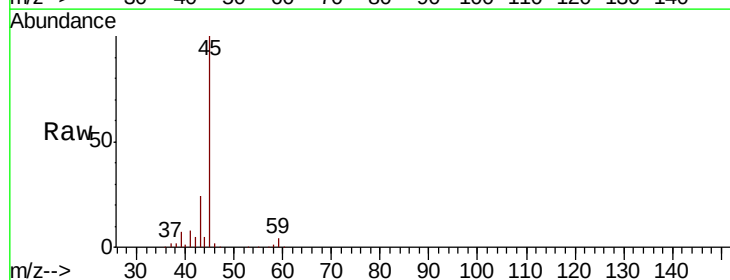
Tot Ion: 59 Resp: 226
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

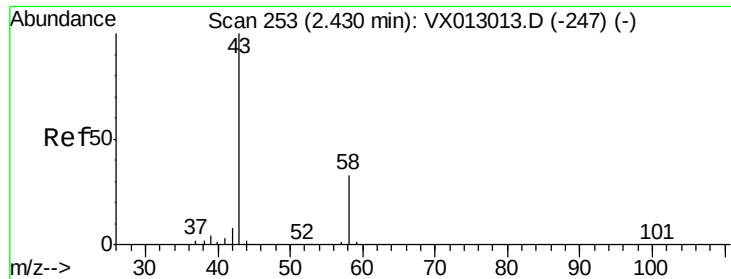


#14

Allyl chloride
 Concen: 2.184 ug/l
 RT: 2.59 min Scan# 280
 Delta R.T. -0.12 min
 Lab File: VX013020.D
 Acq: 11 Oct 2019 16:43

Tgt Ion: 41 Resp: 7010
 Ion Ratio Lower Upper
 41 100
 39 86.3 51.0 76.6#
 76 0.0 26.2 39.4#





#16

Acetone

Concen: 131.428 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013020.D

Acq: 11 Oct 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

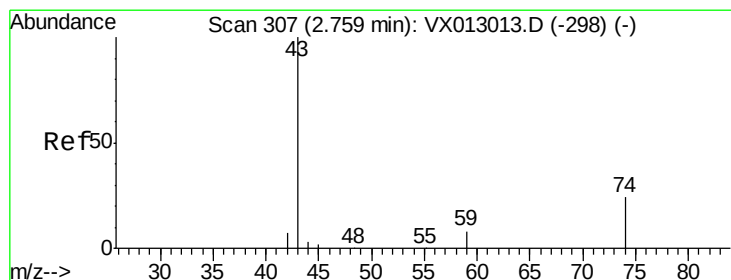
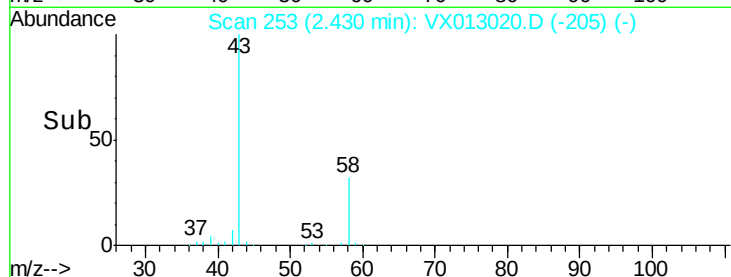
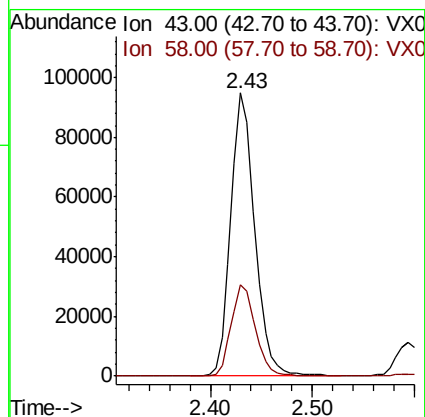
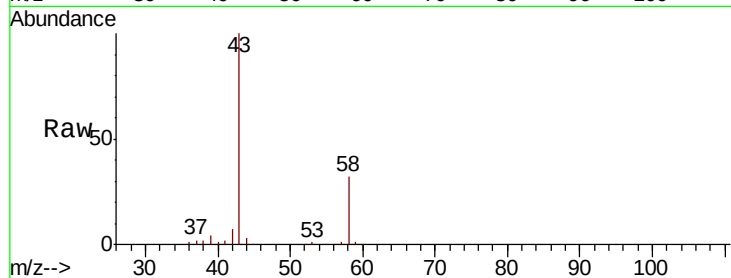
391009765-TRIP-BLANK

Tot Ion: 43 Resp: 154408

Ion Ratio Lower Upper

43 100

58 32.2 25.4 38.2



#18

Methyl Acetate

Concen: 6.917 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX013020.D

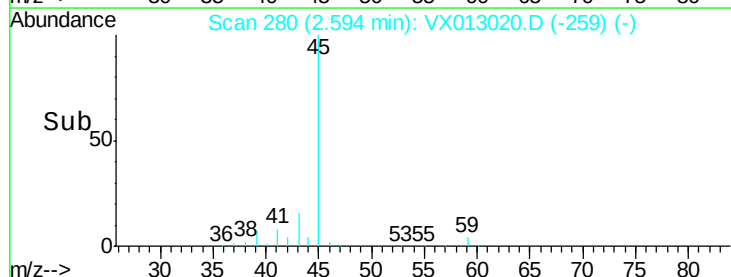
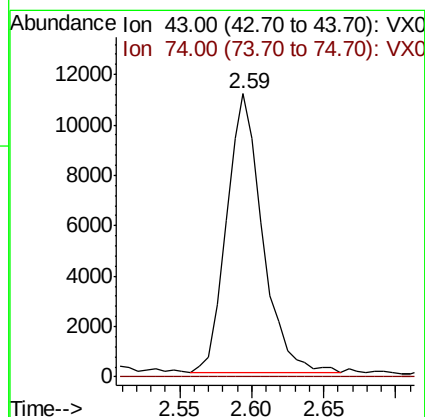
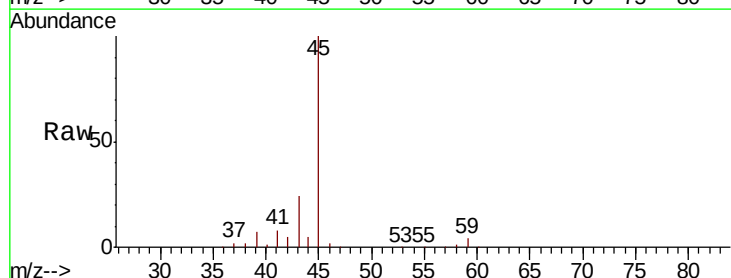
Acq: 11 Oct 2019 16:43

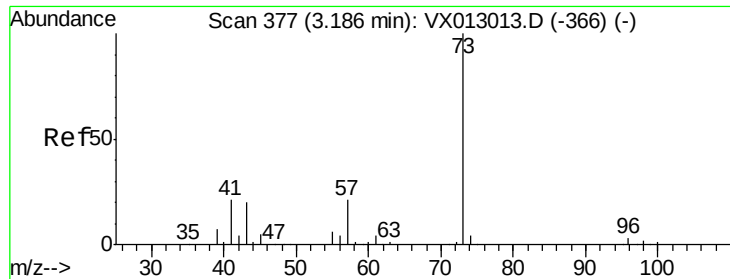
Tgt Ion: 43 Resp: 19263

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#

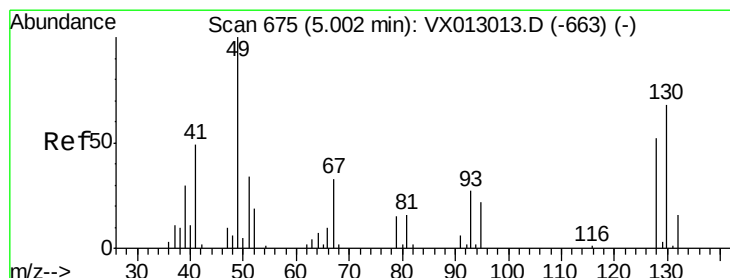
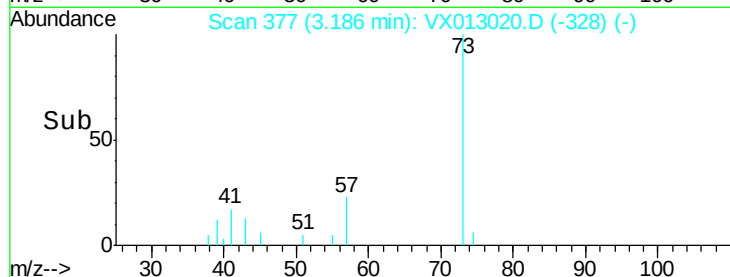
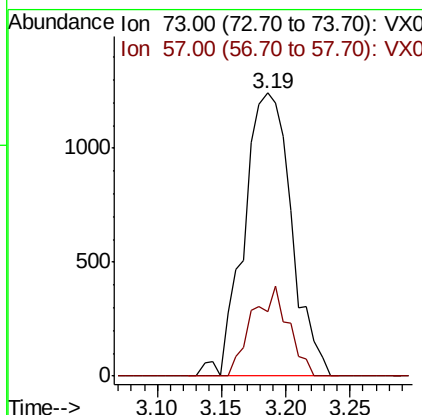
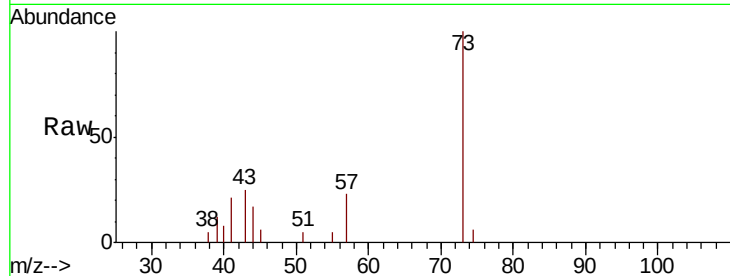




#19
Methyl tert-butyl Ether
Concen: 0.508 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX013020.D
Acq: 11 Oct 2019 16:43

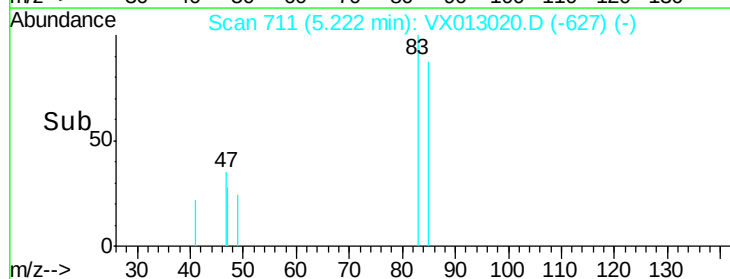
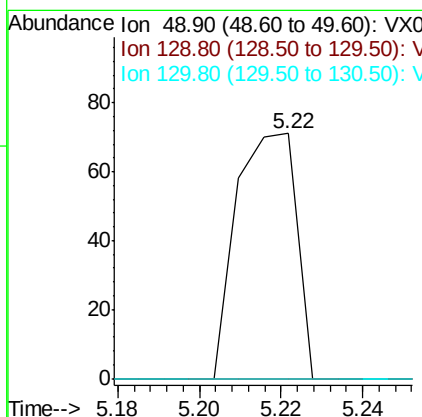
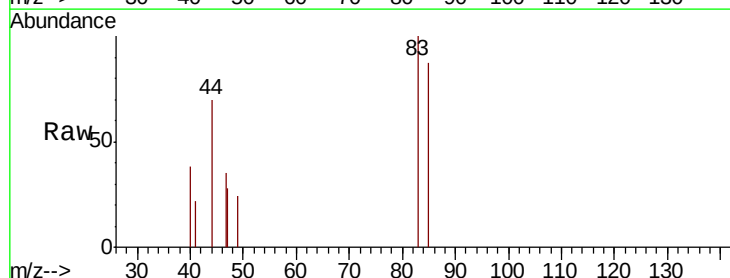
Instrument :
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ClientSampleId :
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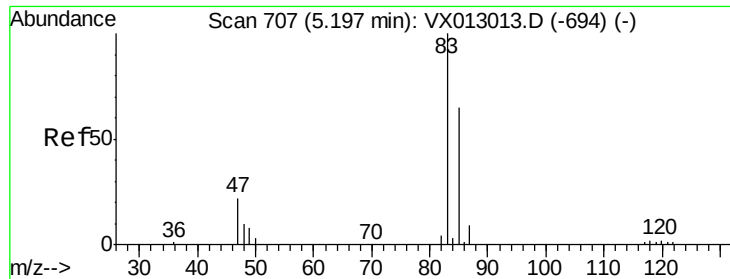
Tot Ion: 73 Resp: 3163
Ion Ratio Lower Upper
73 100
57 22.9 17.8 26.6



#28
Bromochloromethane
Concen: Below Cal
RT: 5.22 min Scan# 711
Delta R.T. 0.21 min
Lab File: VX013020.D
Acq: 11 Oct 2019 16:43

Tgt Ion: 49 Resp: 73
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 62.1 93.1#

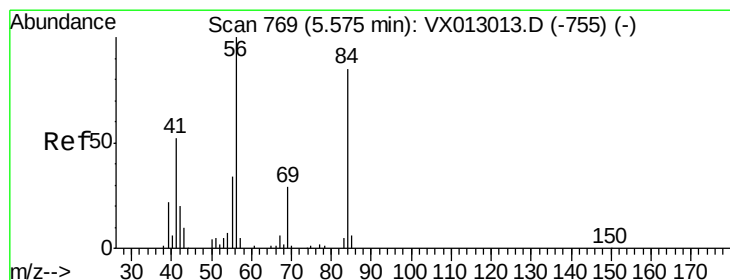
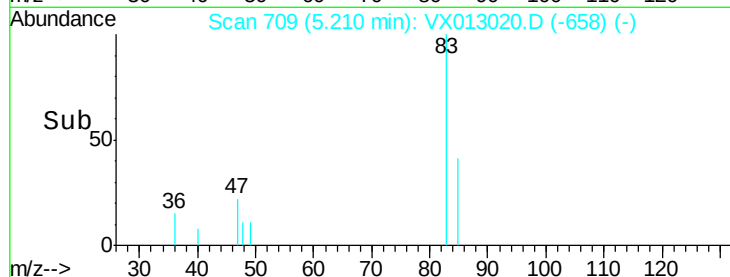
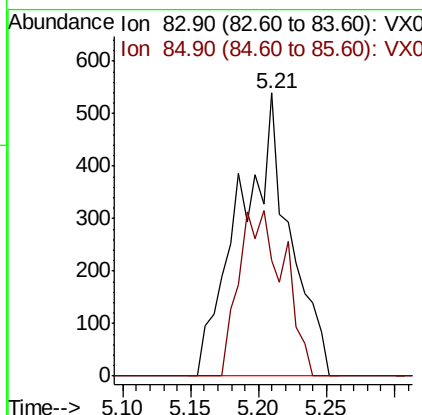
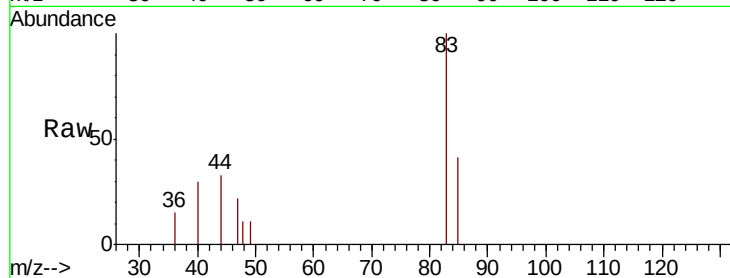




#30
Chloroform
Concen: 0.390 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX013020.D
Acq: 11 Oct 2019 16:43

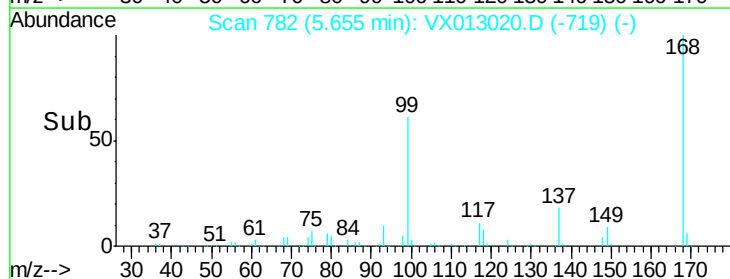
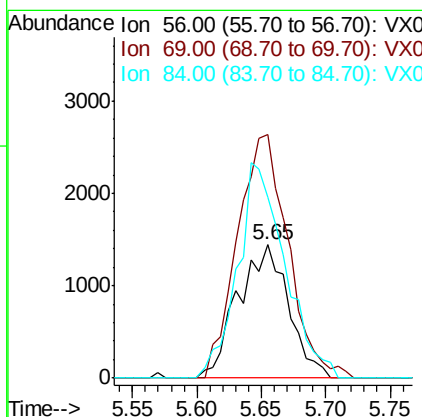
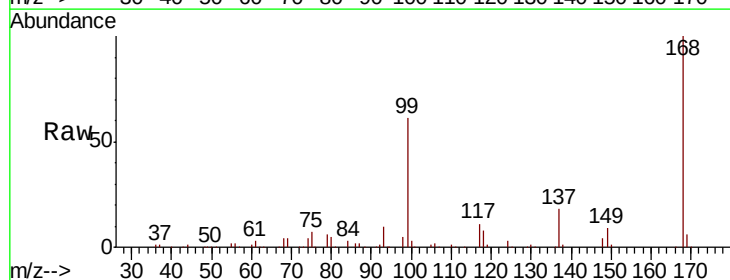
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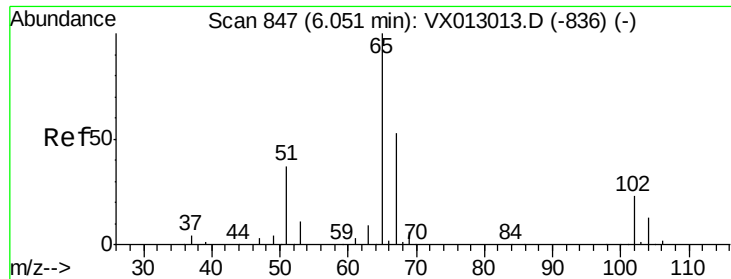
Tot Ion: 83 Resp: 1384
Ion Ratio Lower Upper
83 100
85 41.0 51.5 77.3#



#31
Cyclohexane
Concen: 1.216 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013020.D
Acq: 11 Oct 2019 16:43

Tgt Ion: 56 Resp: 3934
Ion Ratio Lower Upper
56 100
69 182.5 25.2 37.8#
84 135.7 71.3 106.9#

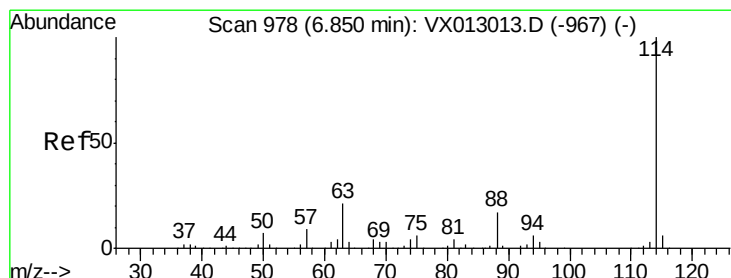
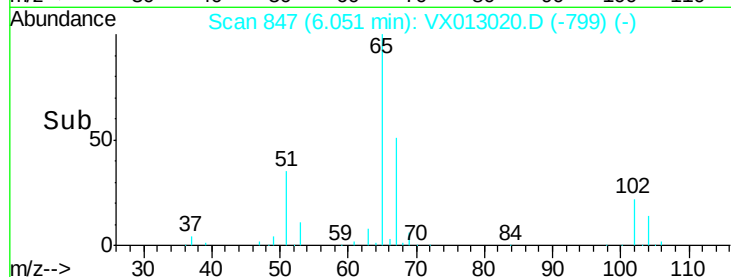
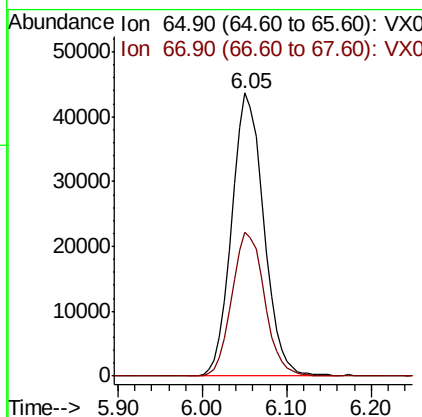
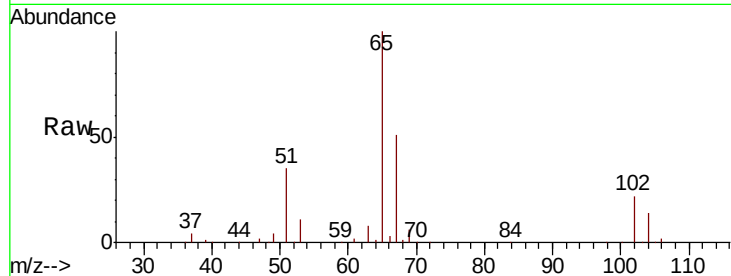




#33
 1,2-Dichloroethane-d4
 Concen: 50.409 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013020.D
 Acq: 11 Oct 2019 16:43

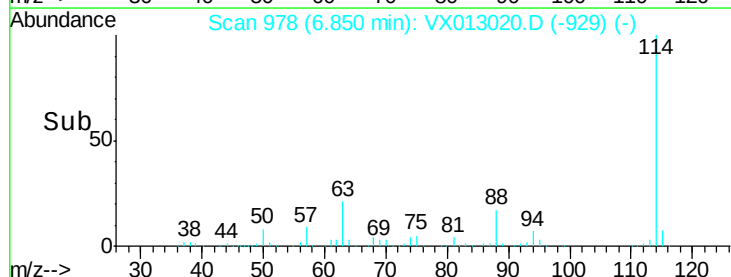
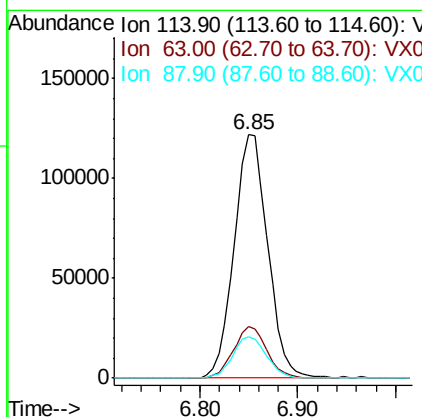
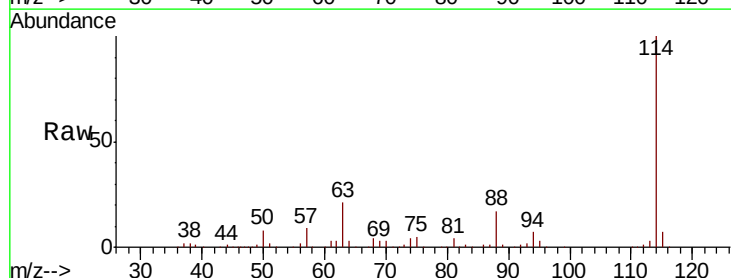
Instrument :
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 ClientSampleId :
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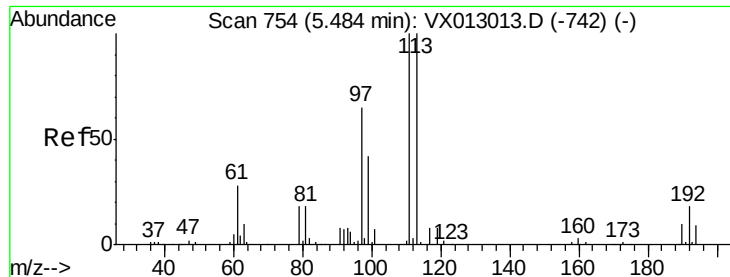
Tot Ion: 65 Resp: 112357
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013020.D
 Acq: 11 Oct 2019 16:43

Tgt Ion: 114 Resp: 291616
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.8
 88 17.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.100 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013020.D

Acq: 11 Oct 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

391009765-TRIP-BLANK

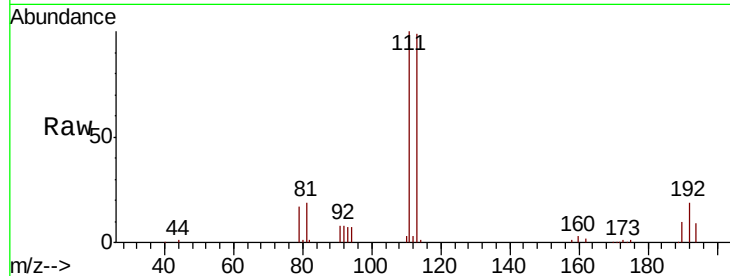
Tot Ion:113 Resp: 85528

Ion Ratio Lower Upper

113 100

111 103.3 83.2 124.8

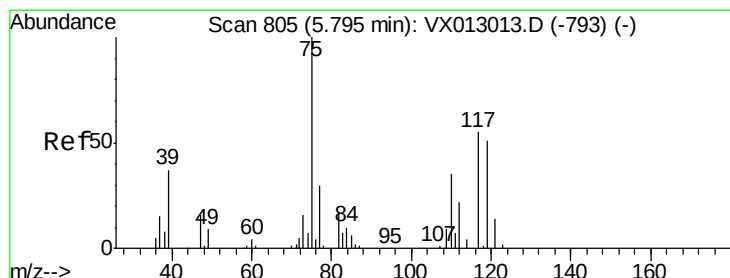
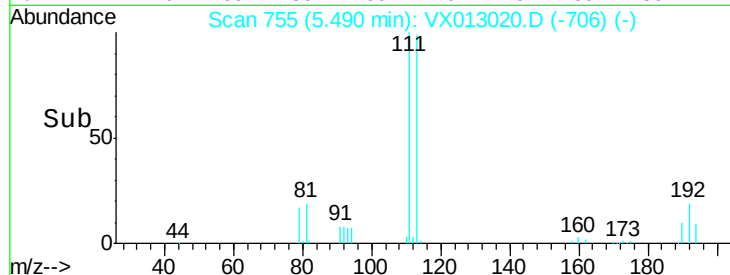
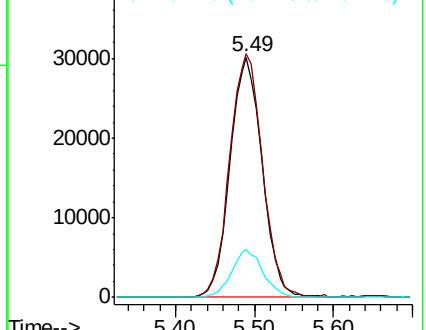
192 19.3 15.4 23.2



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: 5.520 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013020.D

Acq: 11 Oct 2019 16:43

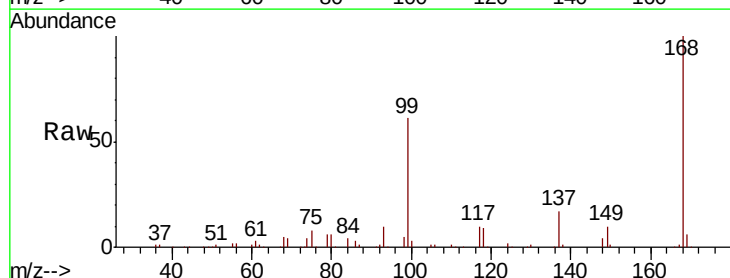
Tgt Ion: 75 Resp: 14153

Ion Ratio Lower Upper

75 100

110 10.0 17.6 52.9#

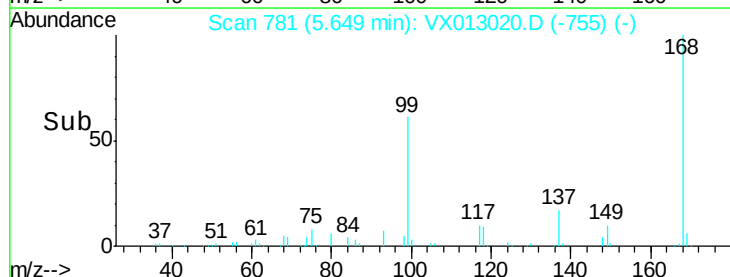
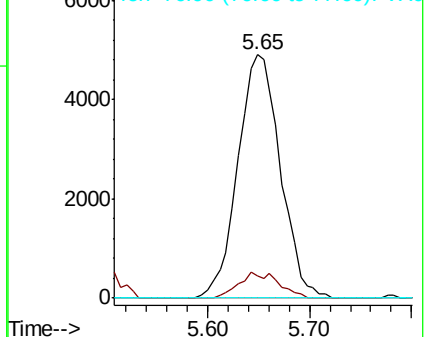
77 0.0 24.4 36.6#

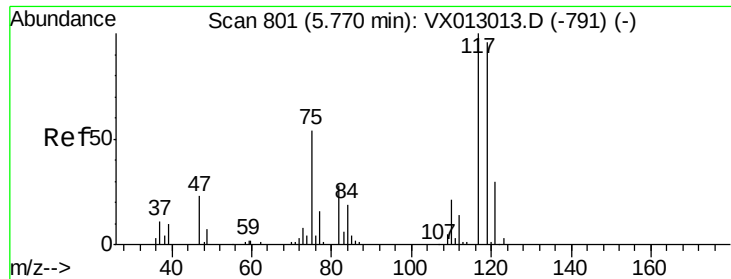


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

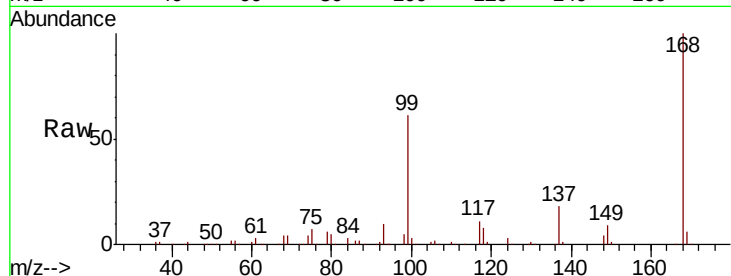




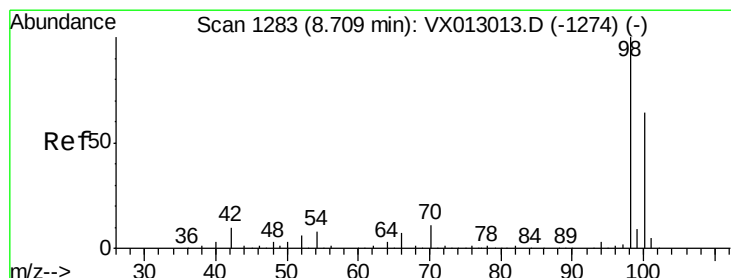
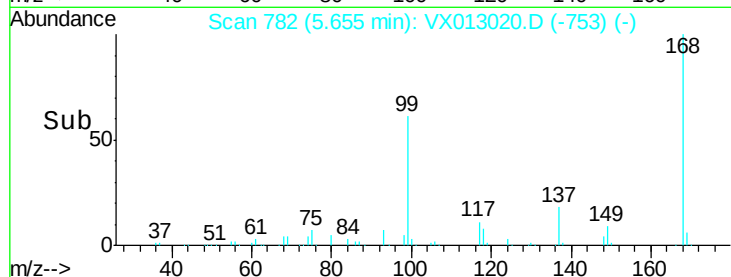
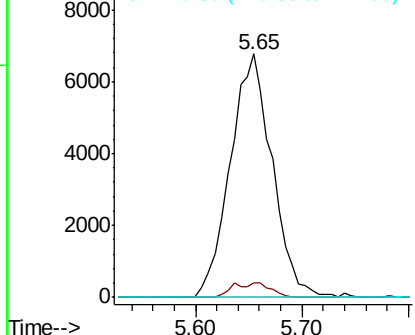
#38
Carbon Tetrachloride
Concen: 7.483 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013020.D
Acq: 11 Oct 2019 16:43

Instrument :
MSVOA_X
ClientSampleId :
391009765-TRIP-BLANK

Tot Ion:117 Resp: 18675
Ion Ratio Lower Upper
117 100
119 5.7 74.5 111.7#
121 0.0 24.2 36.4#

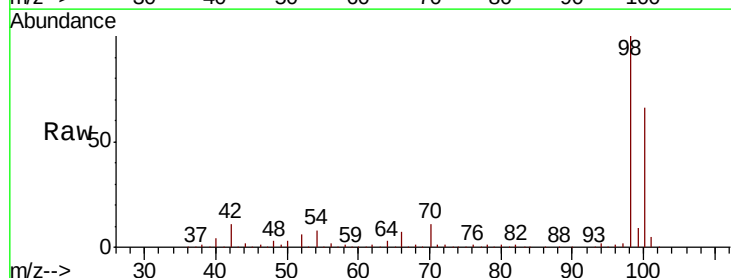


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

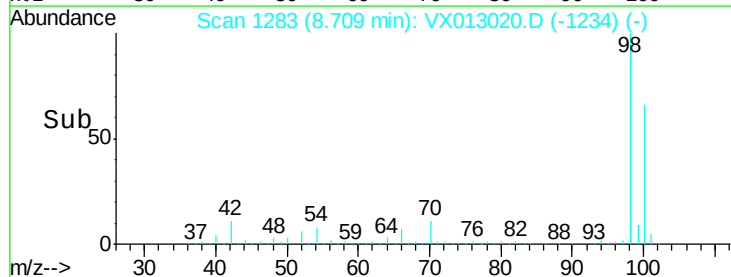
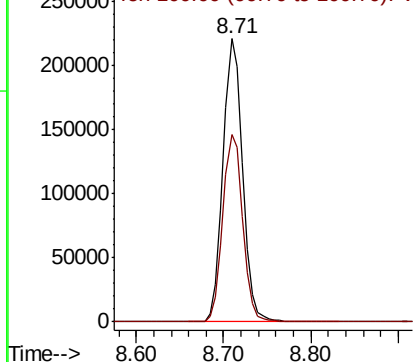


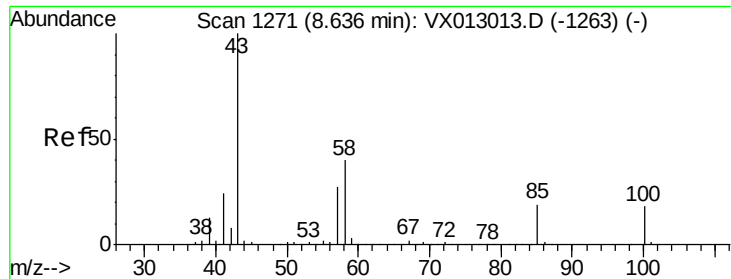
#50
Toluene-d8
Concen: 52.398 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013020.D
Acq: 11 Oct 2019 16:43

Tgt Ion: 98 Resp: 342048
Ion Ratio Lower Upper
98 100
100 67.4 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: 0.565 ug/l

RT: 8.70 min Scan# 1282

Delta R.T. 0.07 min

Lab File: VX013020.D

Acq: 11 Oct 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

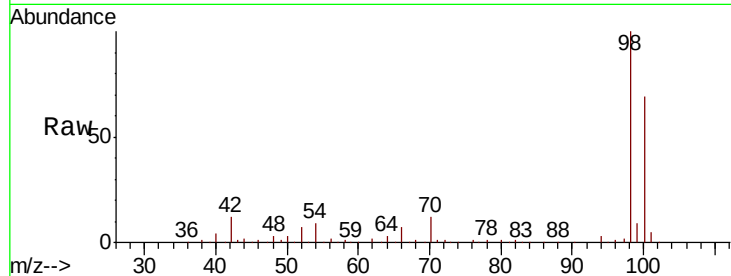
391009765-TRIP-BLANK

Tot Ion: 43 Resp: 1621

Ion Ratio Lower Upper

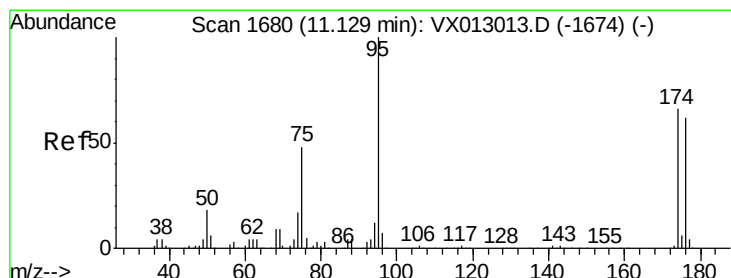
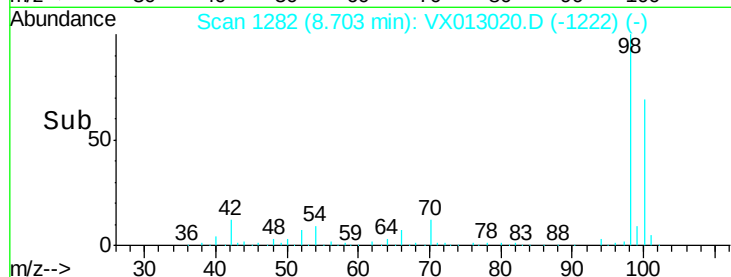
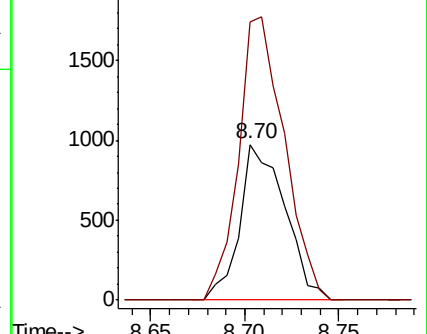
43 100

58 184.2 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: 44.862 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013020.D

Acq: 11 Oct 2019 16:43

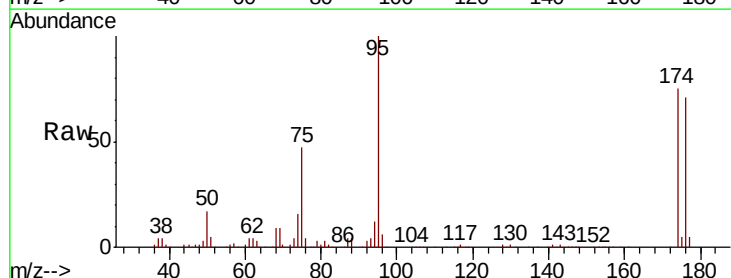
Tgt Ion: 95 Resp: 113790

Ion Ratio Lower Upper

95 100

174 73.6 0.0 143.4

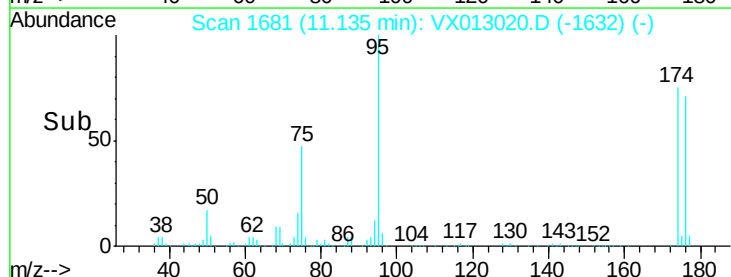
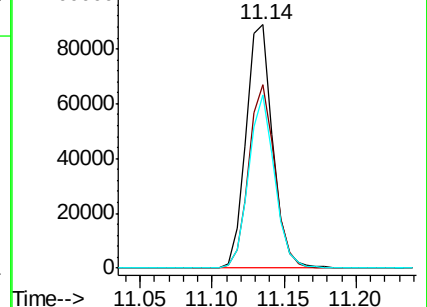
176 68.7 0.0 136.0

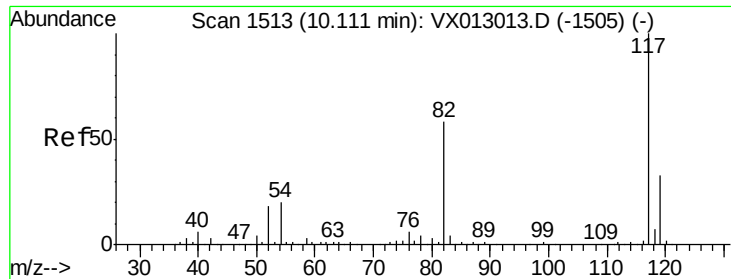


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX013020.D

Acq: 11 Oct 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

391009765-TRIP-BLANK

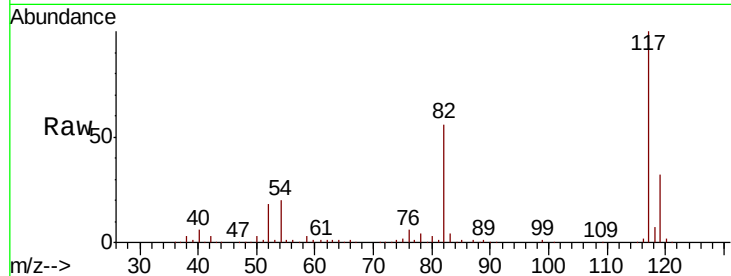
Tot Ion:117 Resp: 248135

Ion Ratio Lower Upper

117 100

82 56.3 44.1 66.1

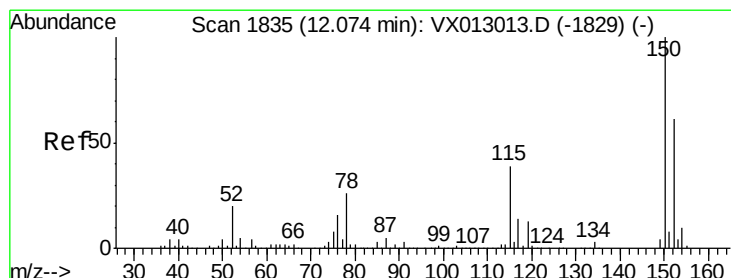
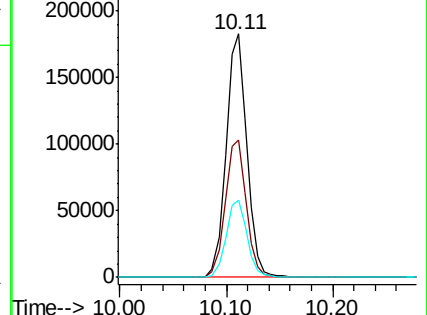
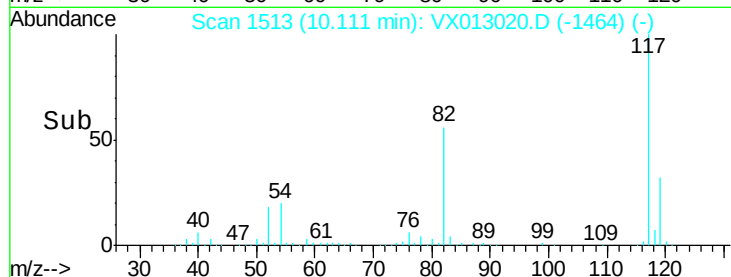
119 31.8 25.8 38.8



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: VX013020.D

Acq: 11 Oct 2019 16:43

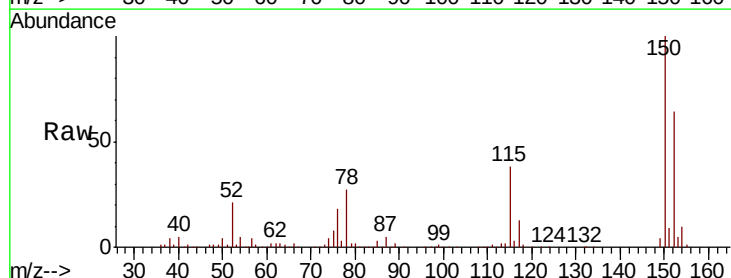
Tgt Ion:152 Resp: 95132

Ion Ratio Lower Upper

152 100

115 63.2 44.5 133.5

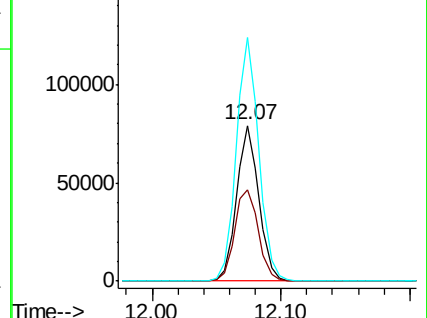
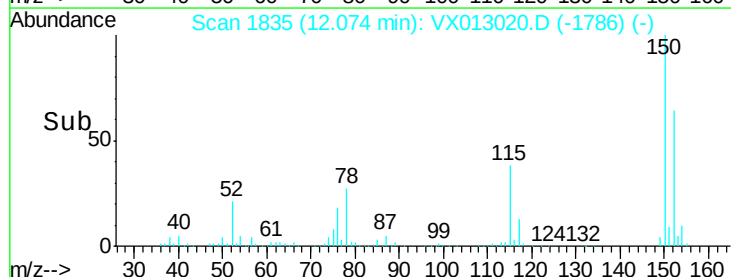
150 159.1 0.0 353.4

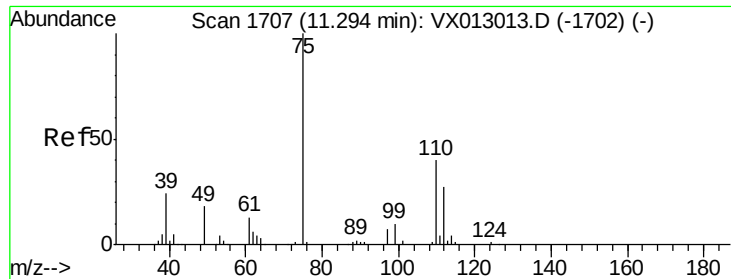


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.294 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013020.D

Acq: 11 Oct 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

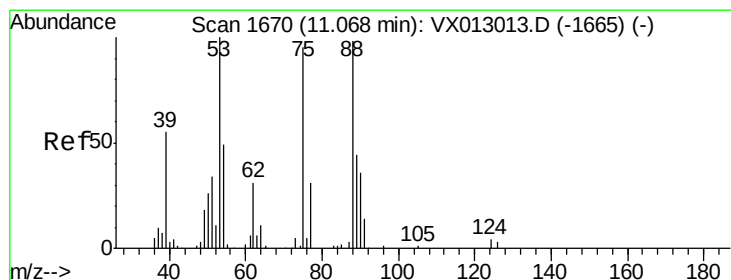
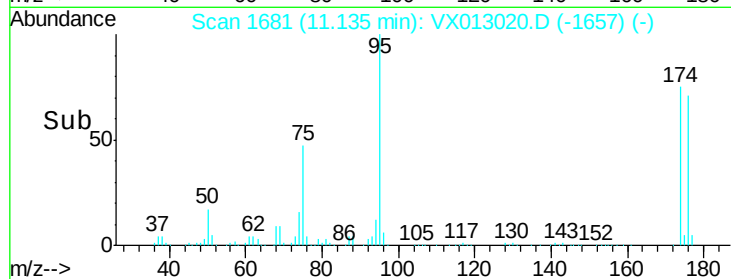
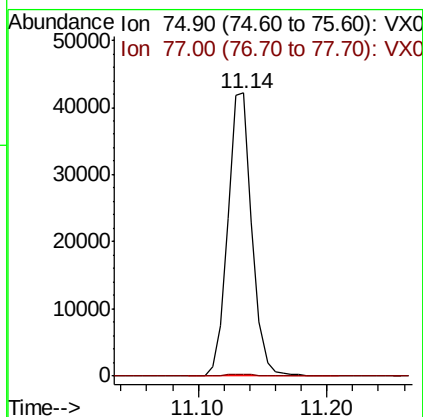
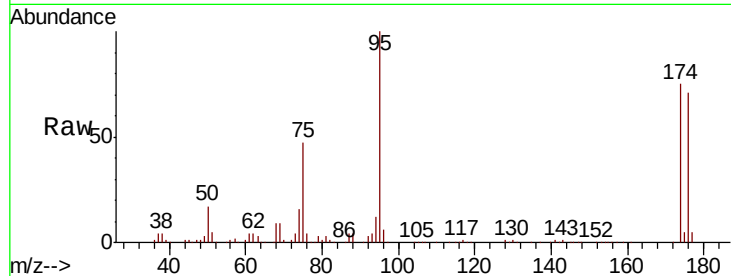
391009765-TRIP-BLANK

Tot Ion: 75 Resp: 55480

Ion Ratio Lower Upper

75 100

77 1.0 22.9 68.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.175 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013020.D

Acq: 11 Oct 2019 16:43

Tgt Ion: 75 Resp: 55480

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

