

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090920\
 Data File : VX018316.D
 Acq On : 09 Sep 2020 12:50
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Sep 09 15:11:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	427081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	708041	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	649575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	318484	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	316091	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
35) Dibromofluoromethane	5.46	113	244621	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
50) Toluene-d8	8.70	98	852339	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
62) 4-Bromofluorobenzene	11.12	95	310109	43.89	ug/l	0.00
Spiked Amount			Recovery	=	87.78%	

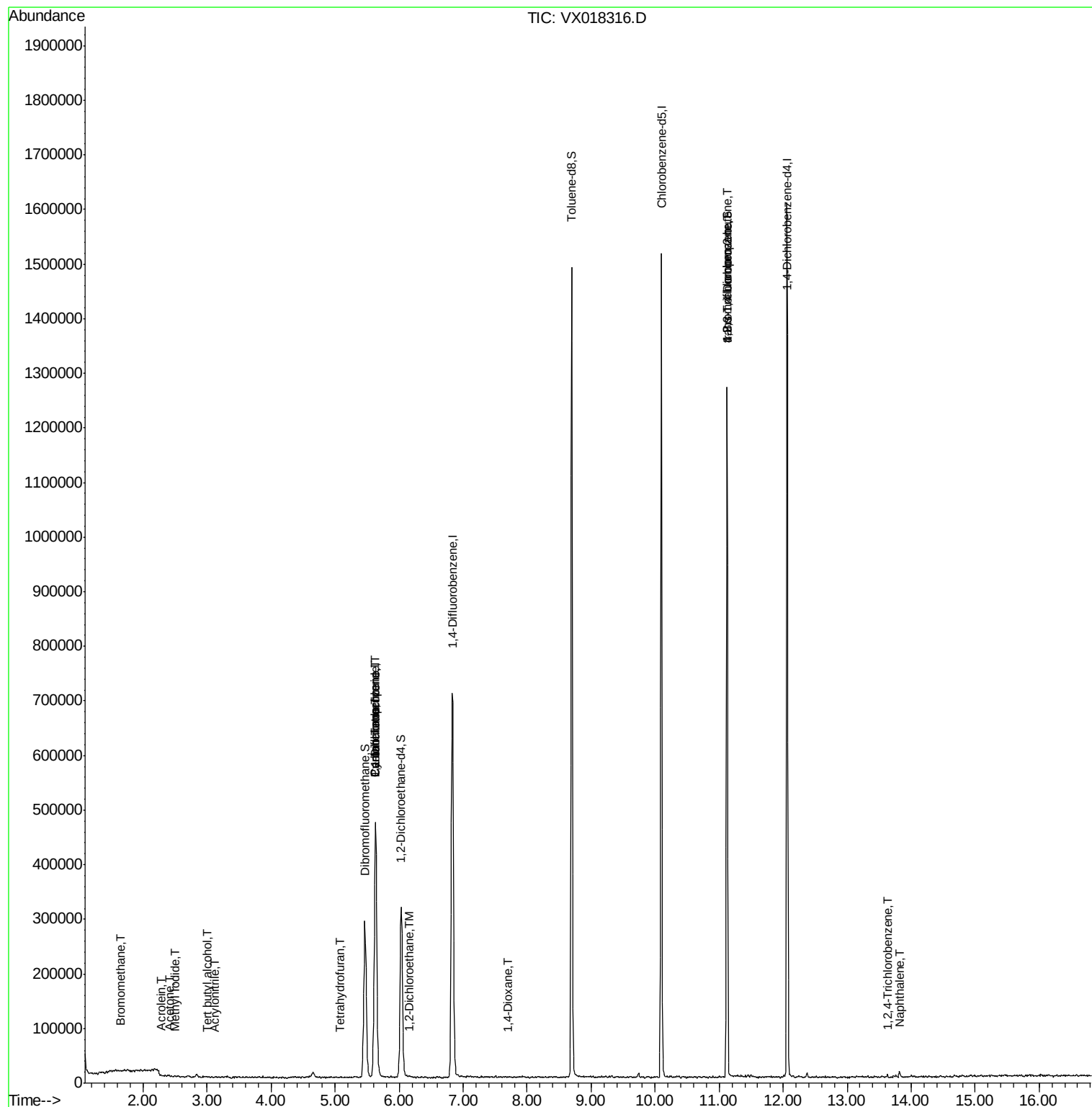
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	795	0.302	ug/l #	3
10) Methyl Iodide	2.49	142	1150	5.526	ug/l #	85
11) Tert butyl alcohol	3.00	59	572	0.496	ug/l #	69
13) Acrolein	2.28	56	383	0.801	ug/l	98
15) Acrylonitrile	3.12	53	851	0.325	ug/l #	69
16) Acetone	2.42	43	1978	0.856	ug/l #	63
20) Methylene Chloride	2.84	84	2262	Below Cal	#	74
29) Tetrahydrofuran	5.07	42	536	0.222	ug/l #	66
31) Cyclohexane	5.63	56	9333	1.315	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	32665	5.002	ug/l #	47
38) Carbon Tetrachloride	5.63	117	46816	6.361	ug/l #	17
42) 1,2-Dichloroethane	6.16	62	1642	0.223	ug/l	93
49) 1,4-Dioxane	7.70	88	334	3.023	ug/l #	23
76) 1,2,3-Trichloropropane	11.12	75	163881	23.131	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	163881	62.474	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	1408	0.220	ug/l	72
95) Naphthalene	13.82	128	6031	0.286	ug/l #	90

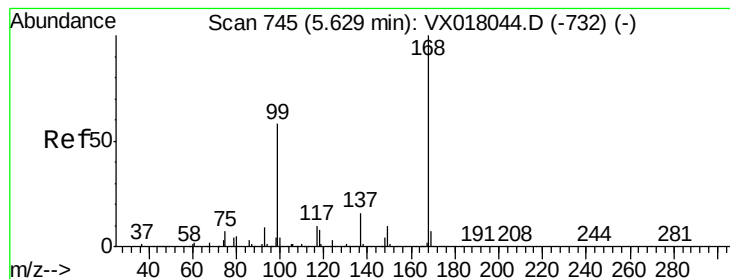
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090920\
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Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018316.D

Acq: 09 Sep 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

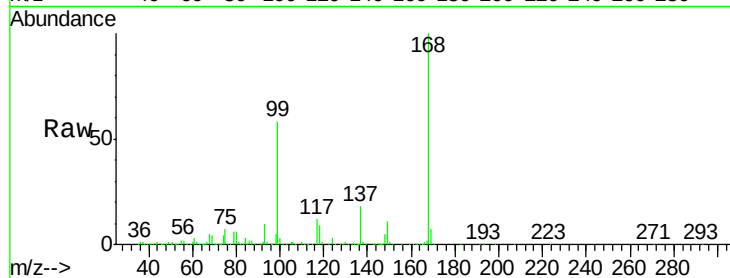
IBLK

Tgt Ion: 168 Resp: 427081

Ion Ratio Lower Upper

168 100

99 58.2 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

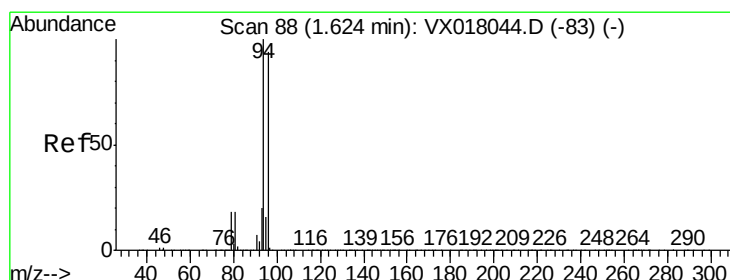
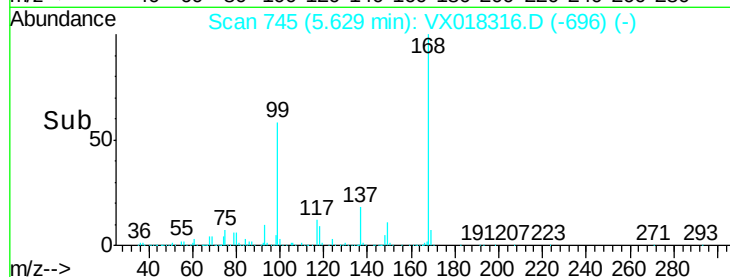
100000

50000

0

5.50 5.60 5.70

Time-->



#5

Bromomethane

Concen: 0.302 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018316.D

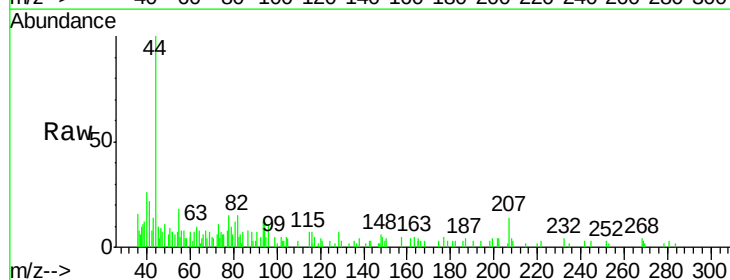
Acq: 09 Sep 2020 12:50

Tgt Ion: 94 Resp: 795

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

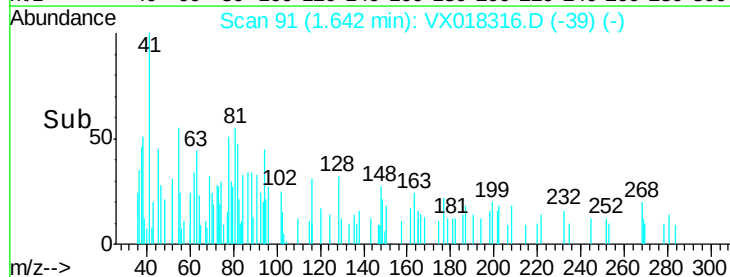
400

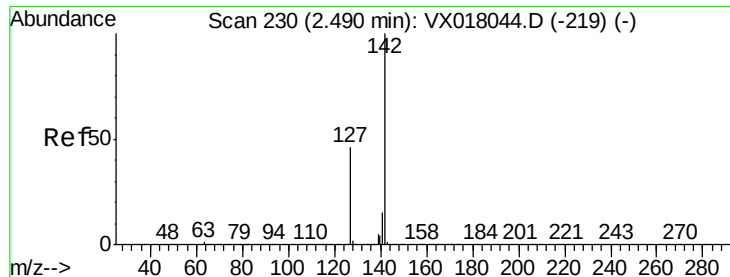
200

0

1.60 1.65

Time-->

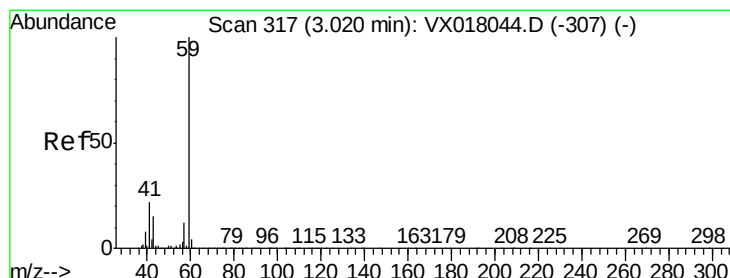
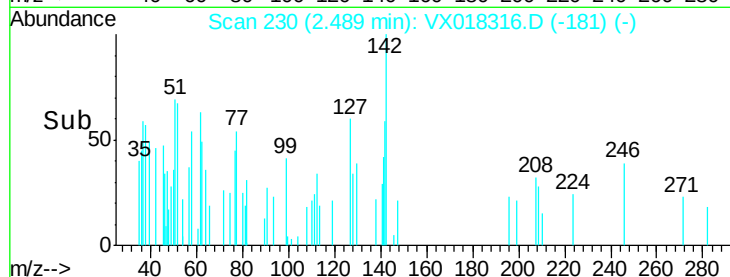
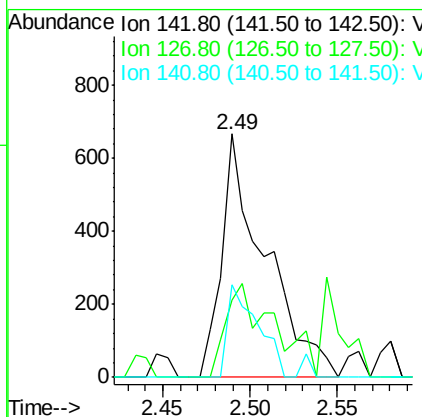
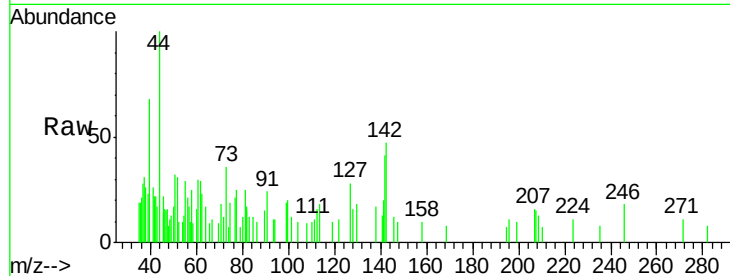




#10
Methyl Iodide
Concen: 5.526 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX018316.D
Acq: 09 Sep 2020 12:50

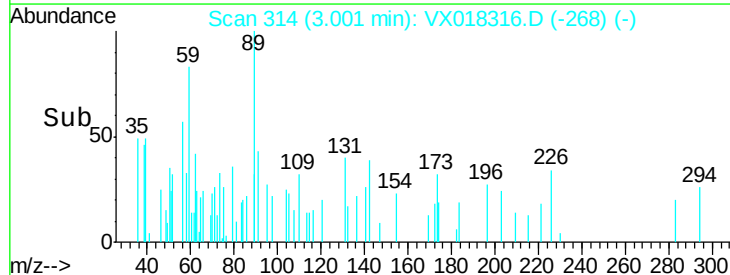
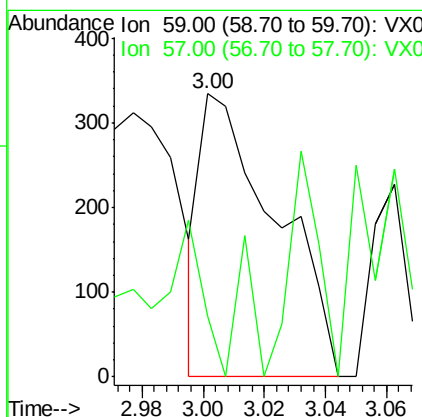
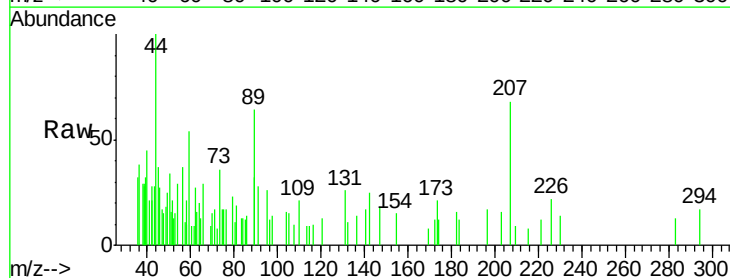
Instrument :
MSVOA_X
ClientSampled :
IBLK

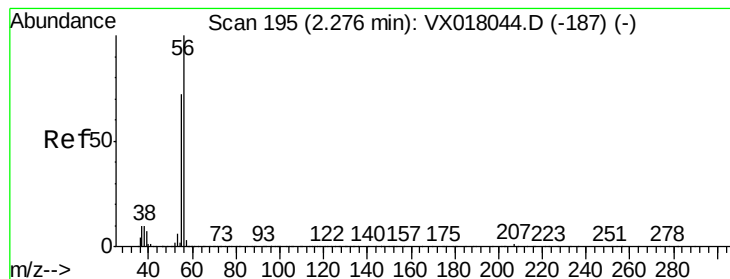
Tgt Ion: 142 Resp: 1150
Ion Ratio Lower Upper
142 100
127 39.1 37.0 55.6
141 26.7 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.496 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018316.D
Acq: 09 Sep 2020 12:50

Tgt Ion: 59 Resp: 572
Ion Ratio Lower Upper
59 100
57 22.9 8.9 13.3#





#13

Acrolein

Concen: 0.801 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018316.D

Acq: 09 Sep 2020 12:50

Instrument :

MSVOA_X

ClientSampled :

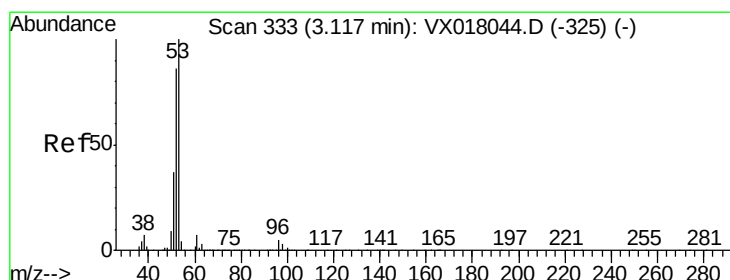
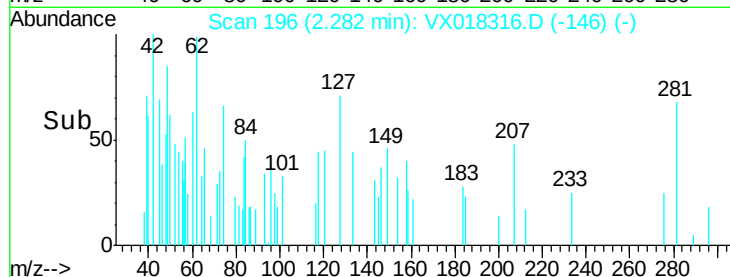
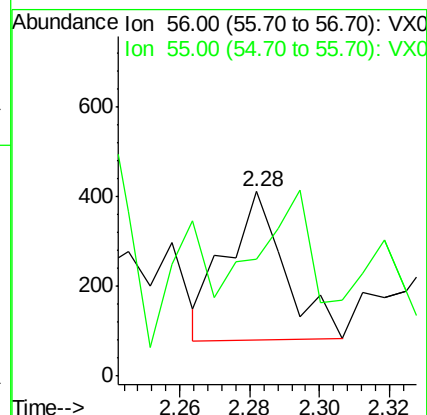
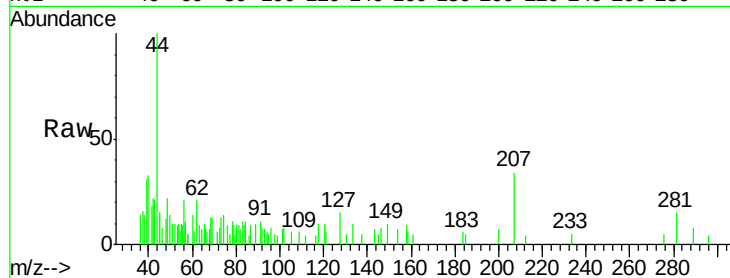
IBLK

Tgt Ion: 56 Resp: 383

Ion Ratio Lower Upper

56 100

55 70.0 57.0 85.6



#15

Acrylonitrile

Concen: 0.325 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX018316.D

Acq: 09 Sep 2020 12:50

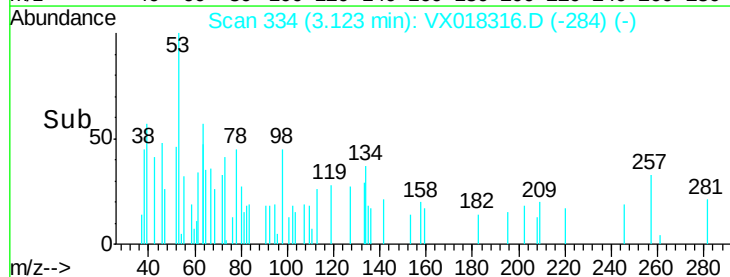
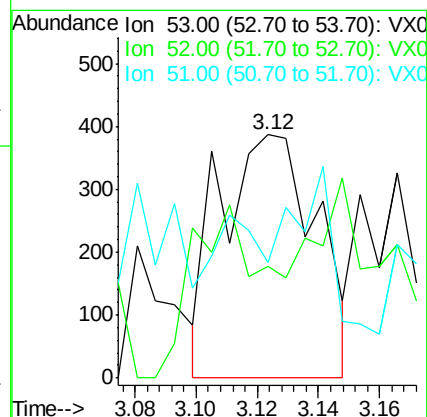
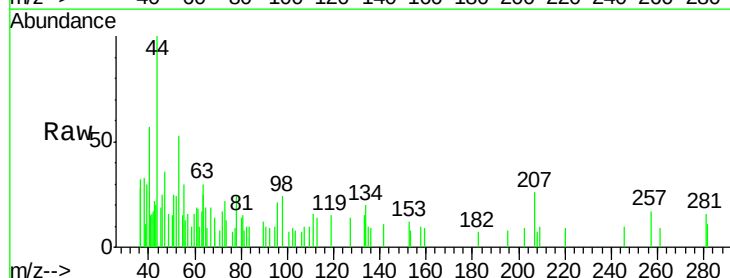
Tgt Ion: 53 Resp: 851

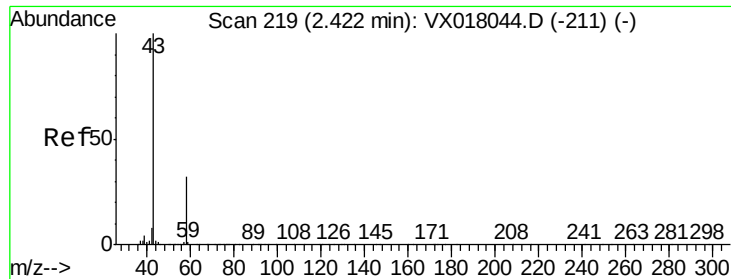
Ion Ratio Lower Upper

53 100

52 54.5 66.9 100.3#

51 20.0 28.7 43.1#





#16

Acetone

Concen: 0.856 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018316.D

Acq: 09 Sep 2020 12:50

Instrument :

MSVOA_X

ClientSampled :

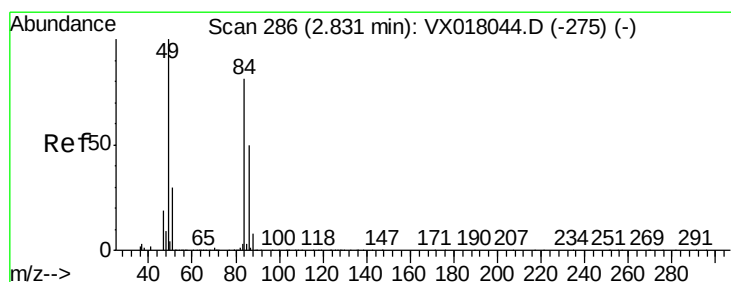
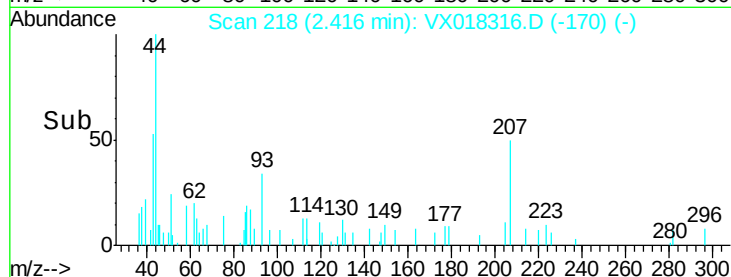
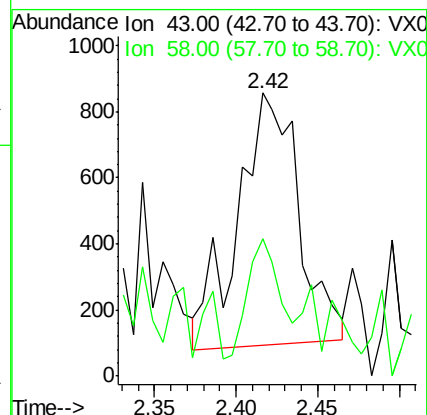
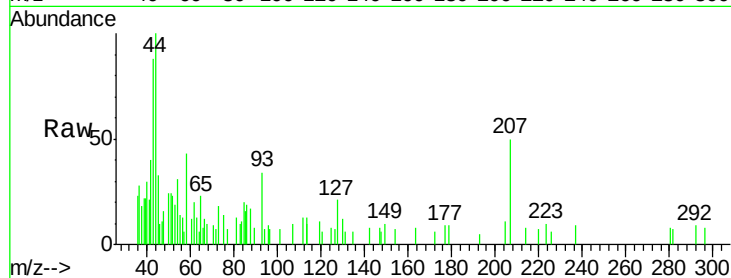
IBLK

Tgt Ion: 43 Resp: 1978

Ion Ratio Lower Upper

43 100

58 52.8 25.5 38.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018316.D

Acq: 09 Sep 2020 12:50

Tgt Ion: 84 Resp: 2262

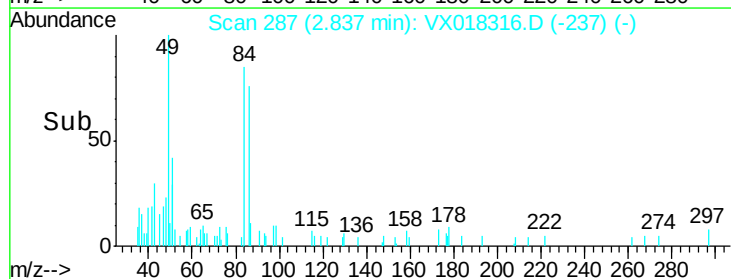
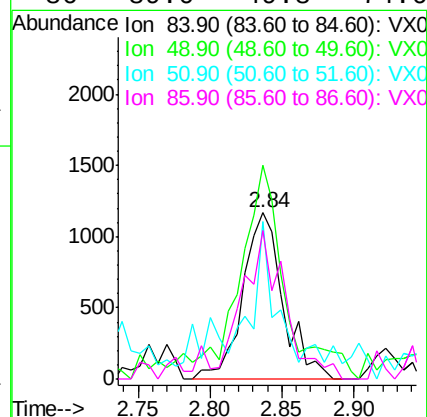
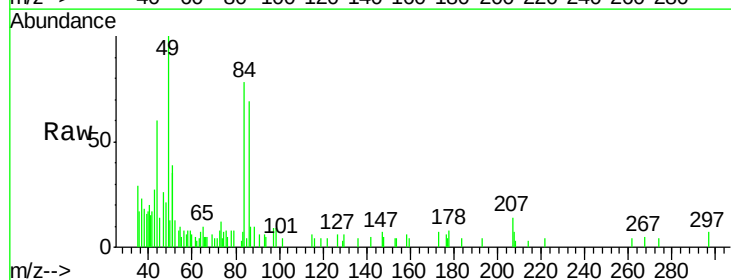
Ion Ratio Lower Upper

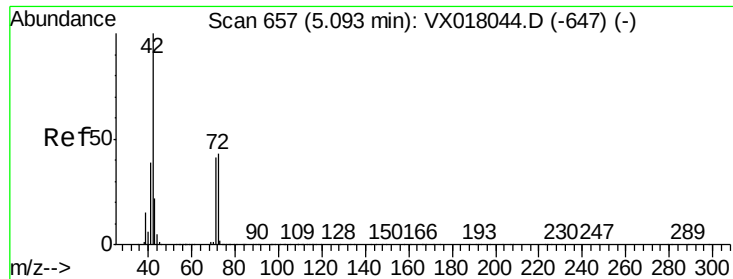
84 100

49 118.4 98.6 148.0

51 85.9 29.6 44.4#

86 89.0 49.8 74.6#

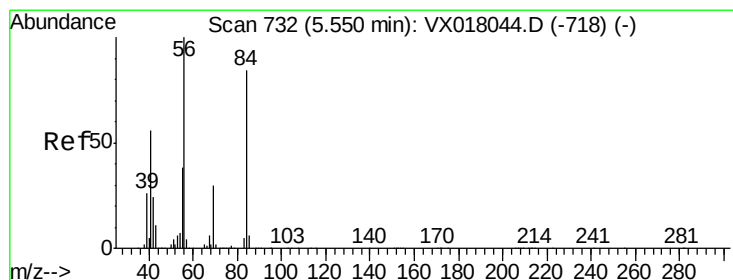
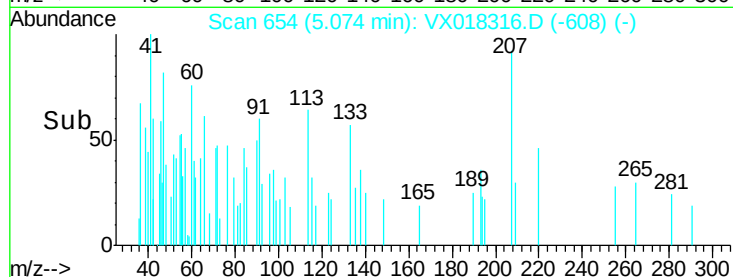
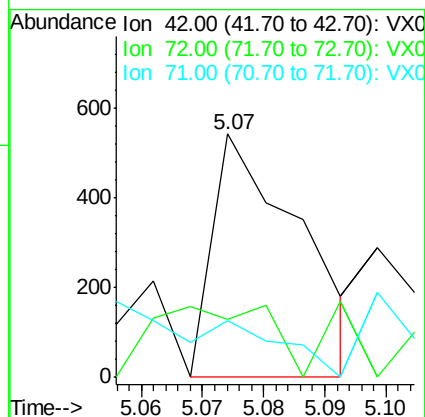
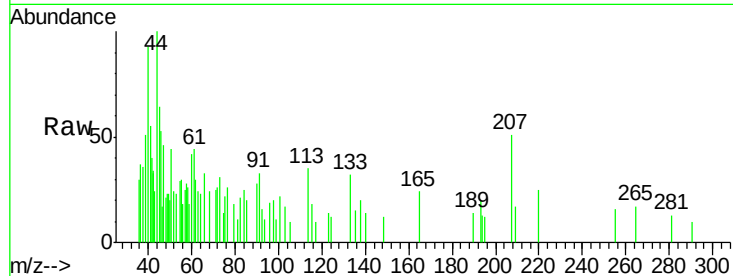




#29
Tetrahydrofuran
Concen: 0.222 ug/l
RT: 5.07 min Scan# 654
Delta R.T. -0.02 min
Lab File: VX018316.D
Acq: 09 Sep 2020 12:50

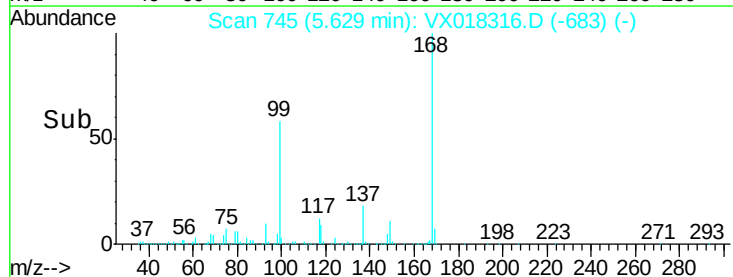
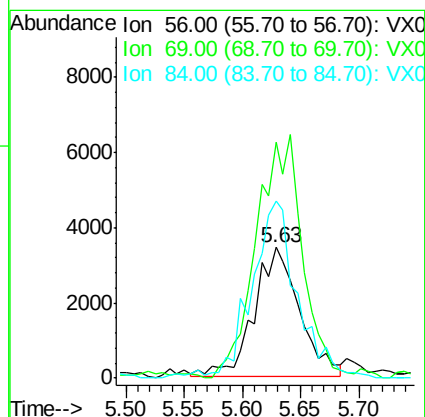
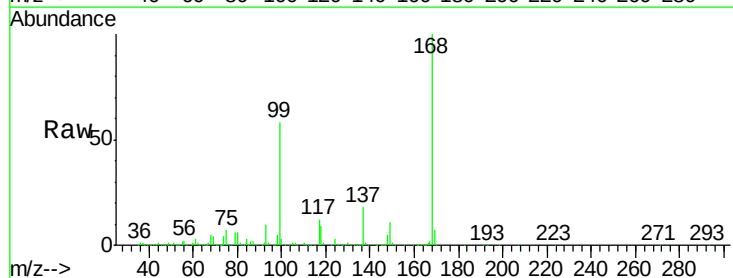
Instrument :
MSVOA_X
ClientSampled :
IBLK

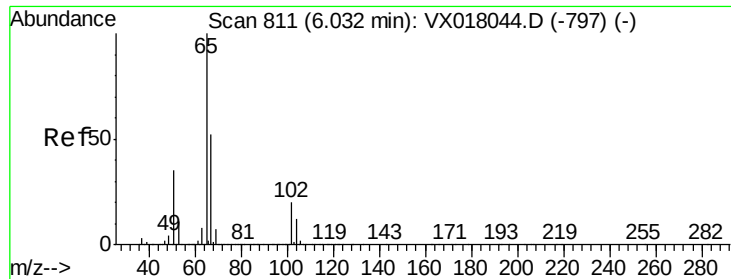
Tgt Ion: 42 Resp: 536
Ion Ratio Lower Upper
42 100
72 39.6 34.2 51.4
71 0.0 32.1 48.1#



#31
Cyclohexane
Concen: 1.315 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018316.D
Acq: 09 Sep 2020 12:50

Tgt Ion: 56 Resp: 9333
Ion Ratio Lower Upper
56 100
69 183.6 23.9 35.9#
84 137.4 67.0 100.4#

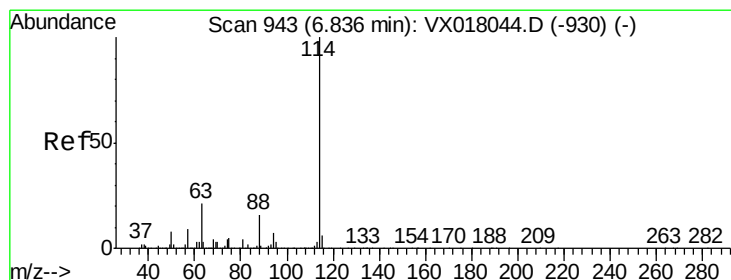
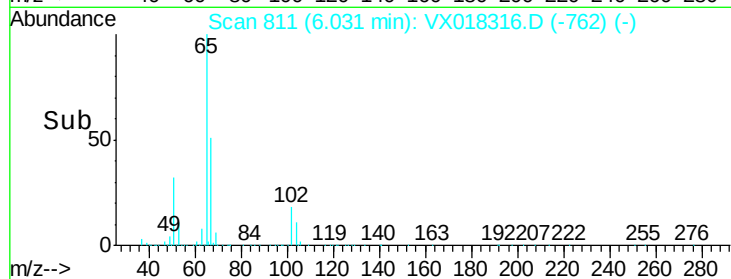
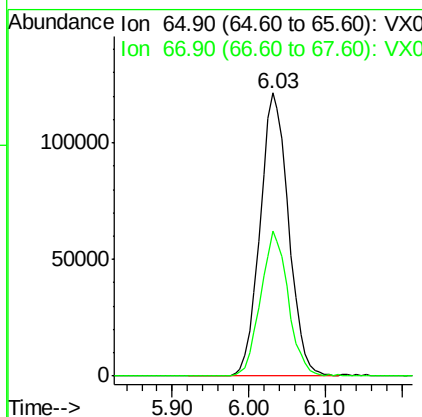
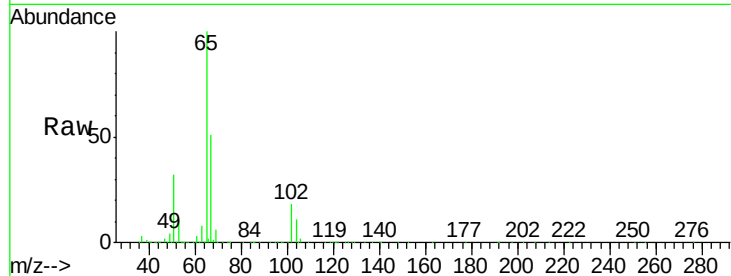




#33
 1,2-Dichloroethane-d4
 Concen: 53.313 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018316.D
 Acq: 09 Sep 2020 12:50

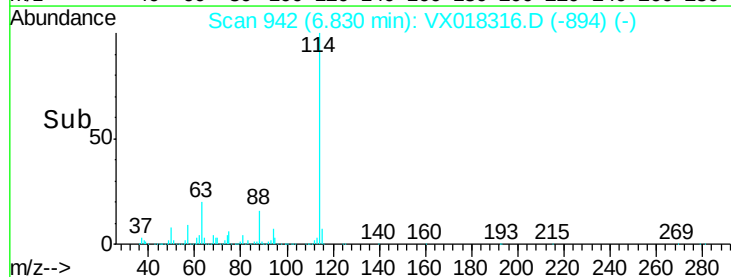
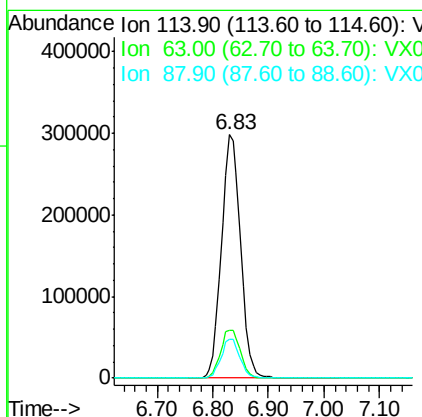
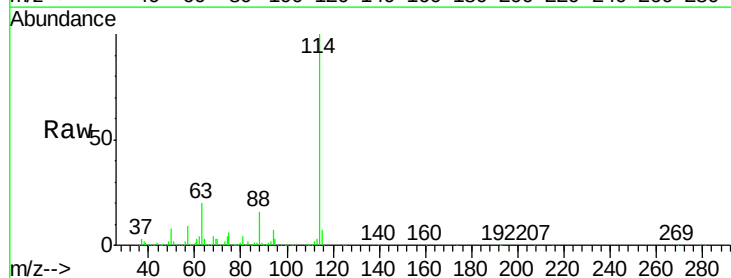
Instrument :
 MSVOA_X
 ClientSampled :
 IBLK

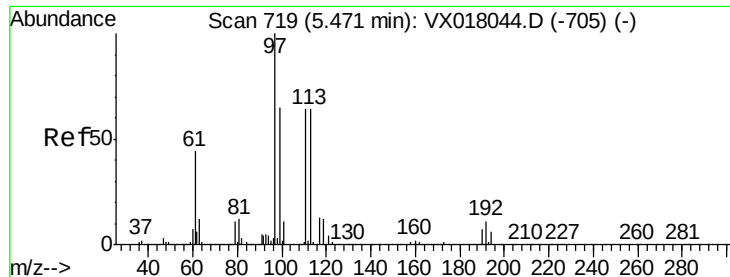
Tgt Ion: 65 Resp: 316091
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018316.D
 Acq: 09 Sep 2020 12:50

Tgt Ion: 114 Resp: 708041
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.6
 88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.729 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018316.D

Acq: 09 Sep 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

IBLK

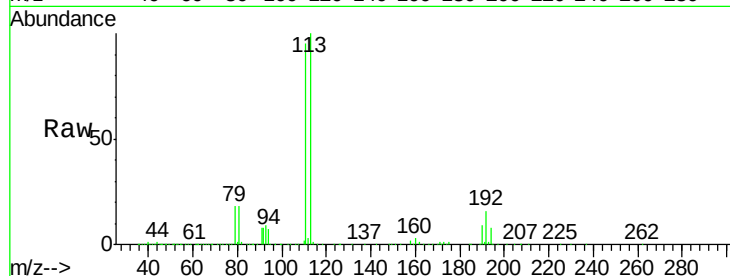
Tgt Ion: 113 Resp: 244621

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

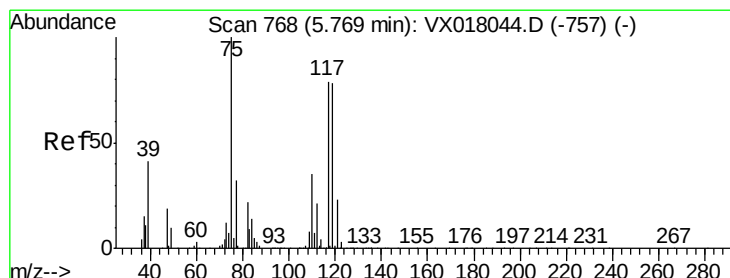
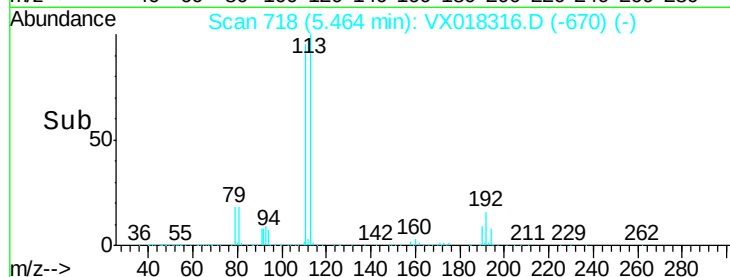
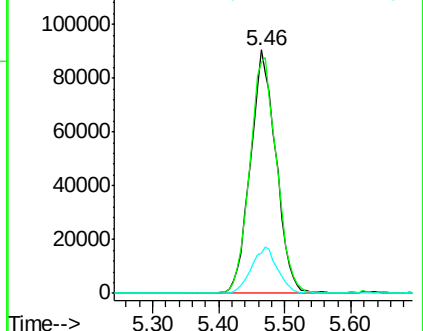
192 19.3 15.8 23.8



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: 5.002 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018316.D

Acq: 09 Sep 2020 12:50

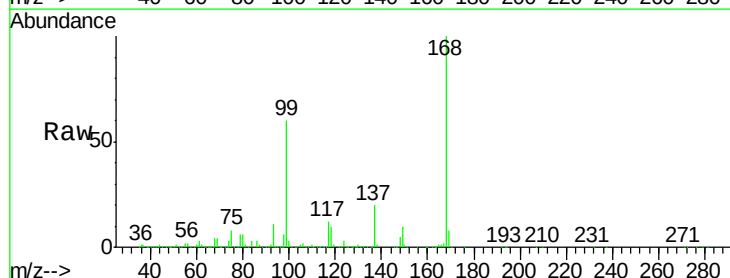
Tgt Ion: 75 Resp: 32665

Ion Ratio Lower Upper

75 100

110 6.3 18.0 54.0#

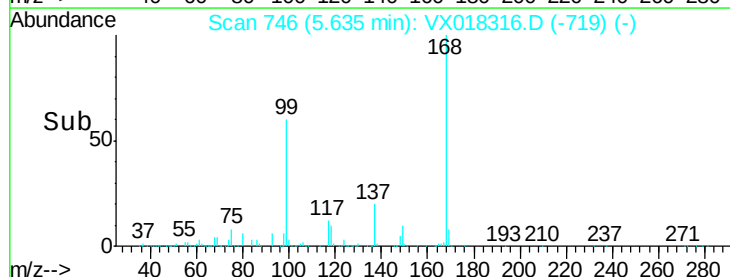
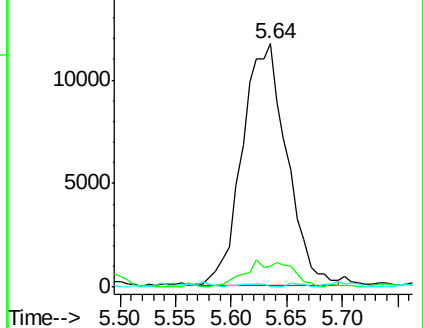
77 0.0 24.4 36.6#

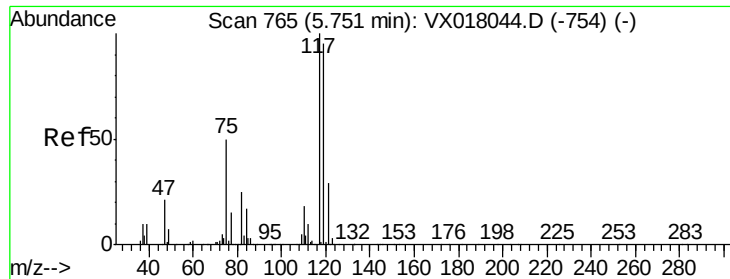


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.361 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018316.D

Acq: 09 Sep 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

IBLK

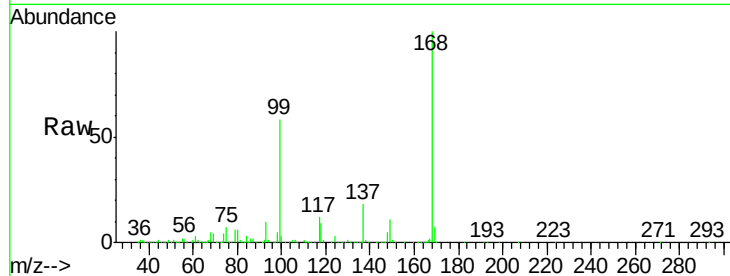
Tgt Ion:117 Resp: 46816

Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.6#

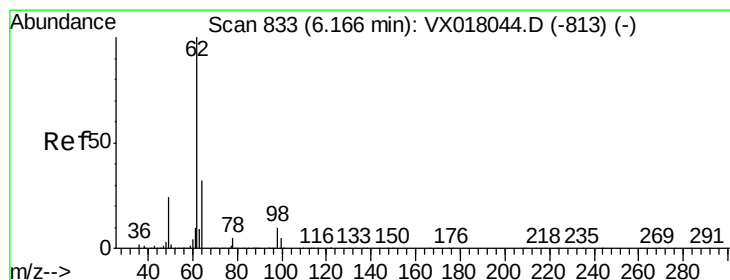
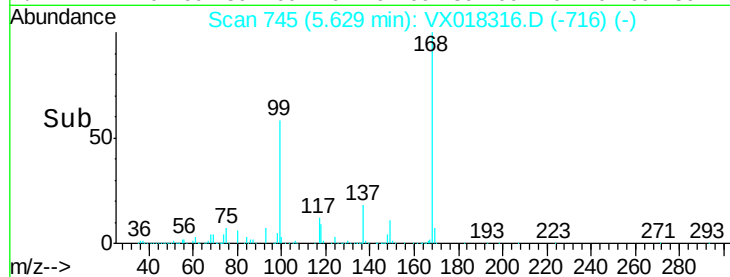
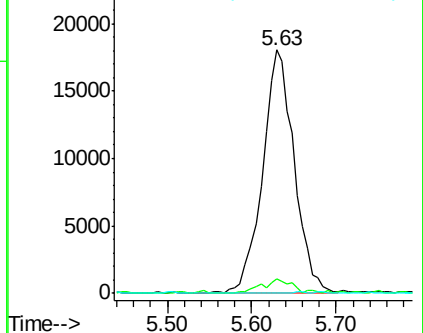
121 0.0 23.4 35.0#



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



#42

1,2-Dichloroethane

Concen: 0.223 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX018316.D

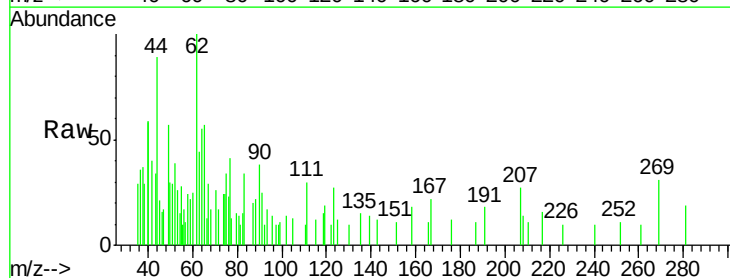
Acq: 09 Sep 2020 12:50

Tgt Ion: 62 Resp: 1642

Ion Ratio Lower Upper

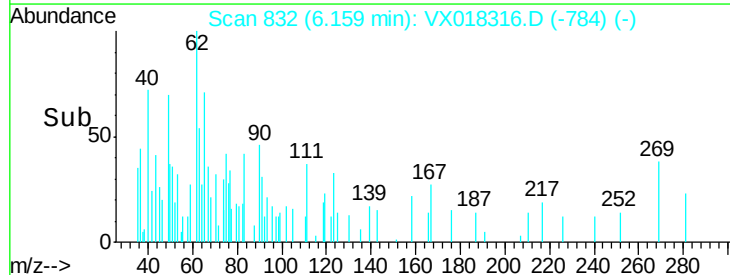
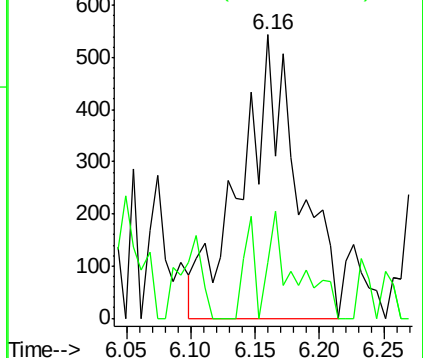
62 100

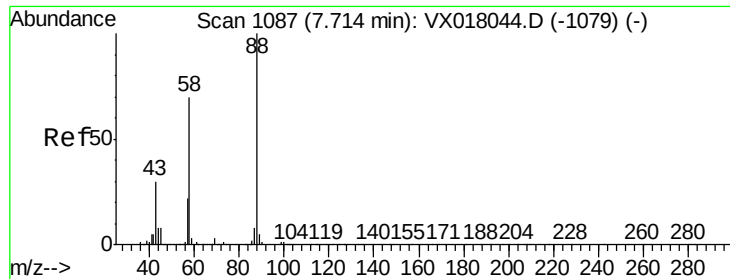
98 11.8 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

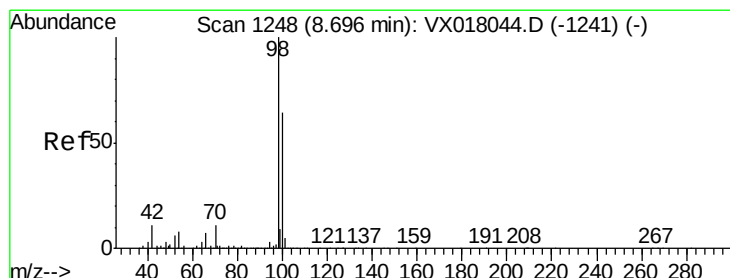
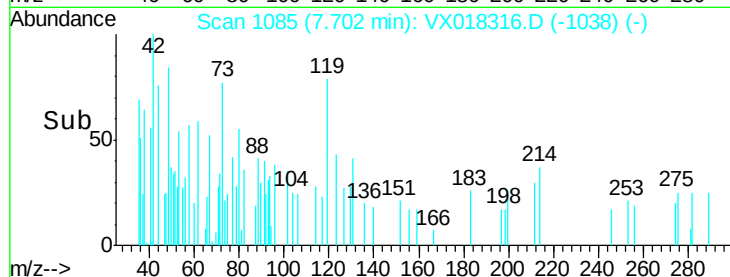
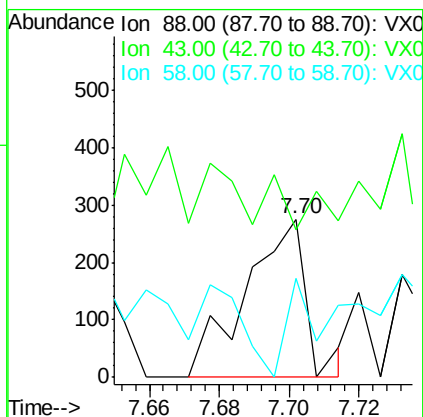
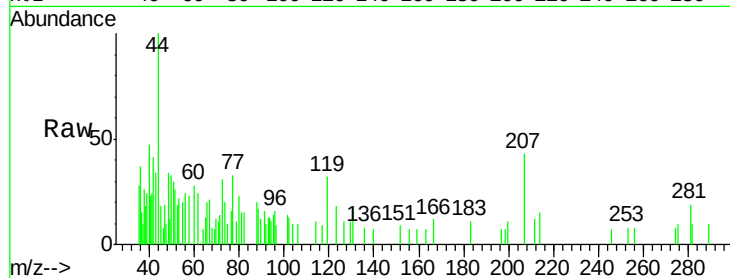




#49
1,4-Dioxane
Concen: 3.023 ug/l
RT: 7.70 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VX018316.D
Acq: 09 Sep 2020 12:50

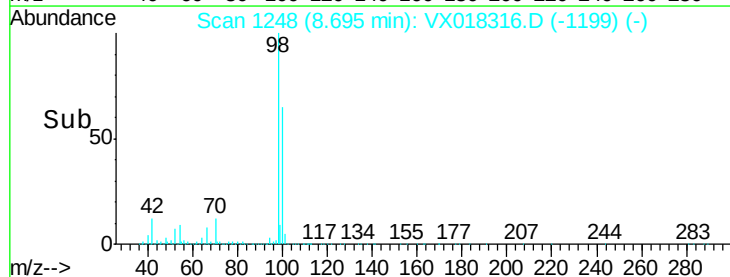
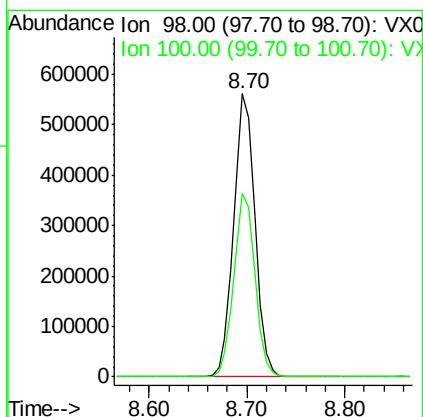
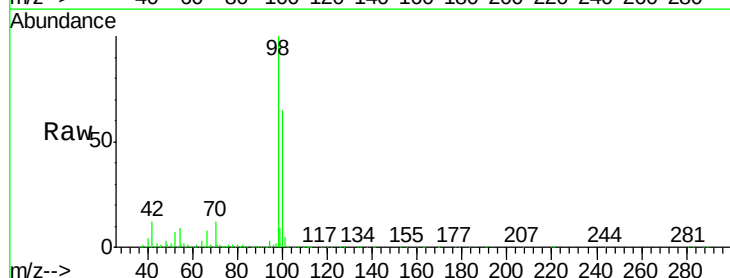
Instrument :
MSVOA_X
ClientSampled :
IBLK

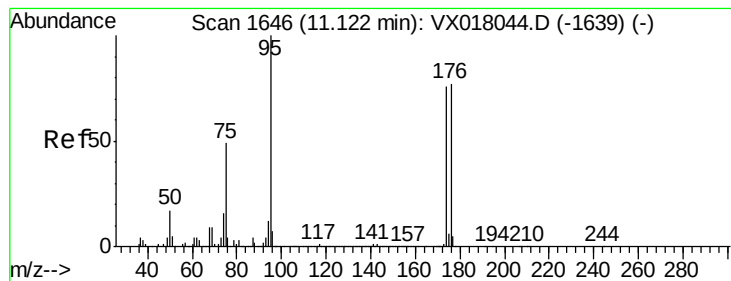
Tgt Ion: 88 Resp: 334
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 0.0 56.4 84.6#



#50
Toluene-d8
Concen: 47.457 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018316.D
Acq: 09 Sep 2020 12:50

Tgt Ion: 98 Resp: 852339
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 43.886 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018316.D

Acq: 09 Sep 2020 12:50

Instrument :

MSVOA_X

ClientSampled :

IBLK

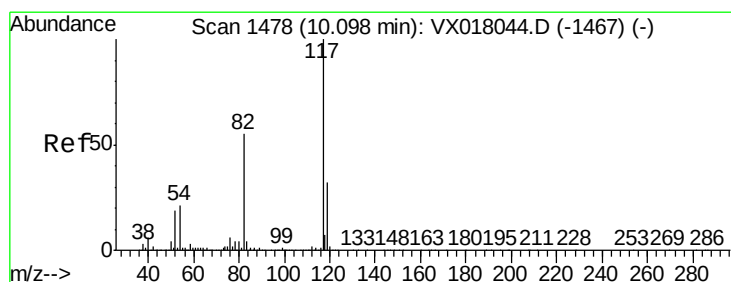
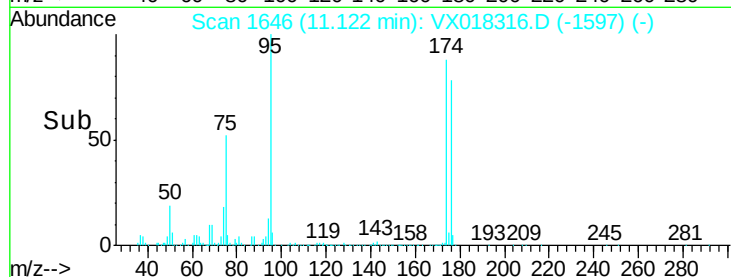
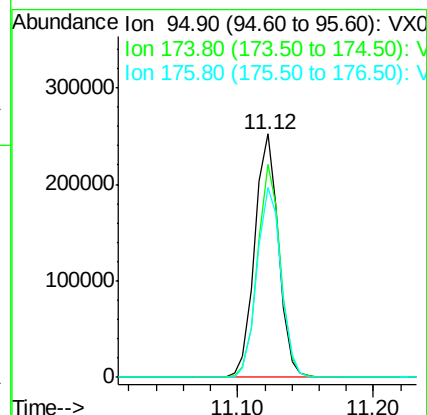
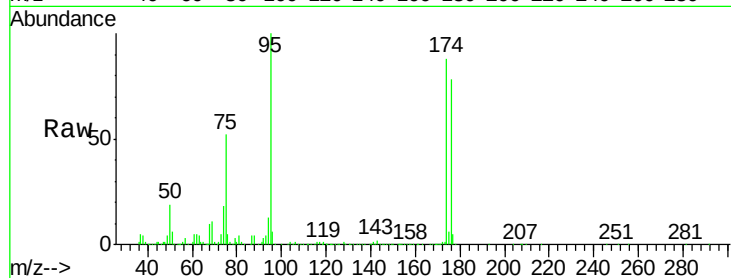
Tgt Ion: 95 Resp: 310109

Ion Ratio Lower Upper

95 100

174 85.1 0.0 160.2

176 79.7 0.0 155.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018316.D

Acq: 09 Sep 2020 12:50

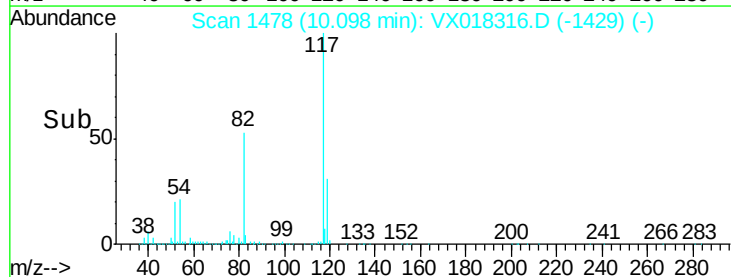
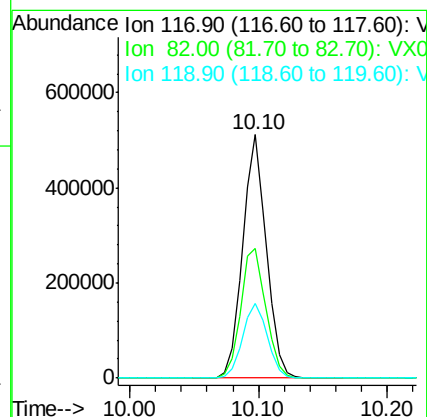
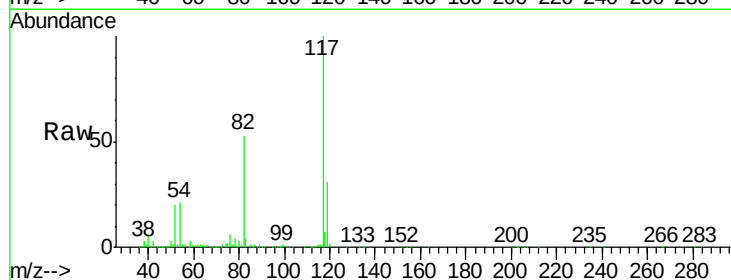
Tgt Ion: 117 Resp: 649575

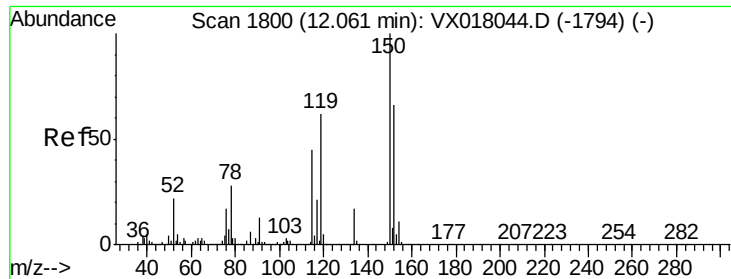
Ion Ratio Lower Upper

117 100

82 53.0 44.2 66.2

119 30.9 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018316.D

Acq: 09 Sep 2020 12:50

Instrument :

MSVOA_X

ClientSampled :

IBLK

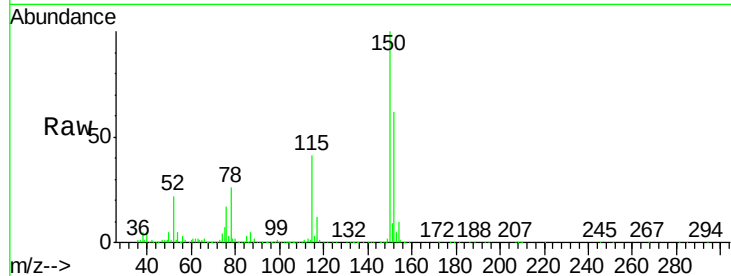
Tgt Ion: 152 Resp: 318484

Ion Ratio Lower Upper

152 100

115 61.4 41.5 124.5

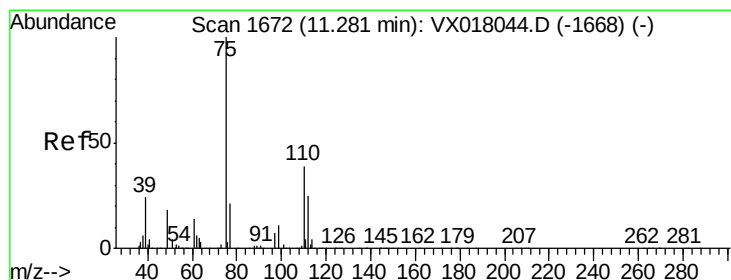
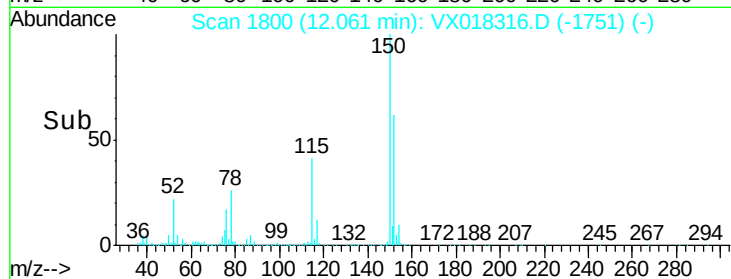
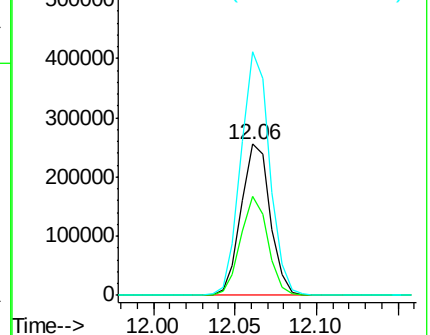
150 158.9 0.0 343.8



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: 23.131 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018316.D

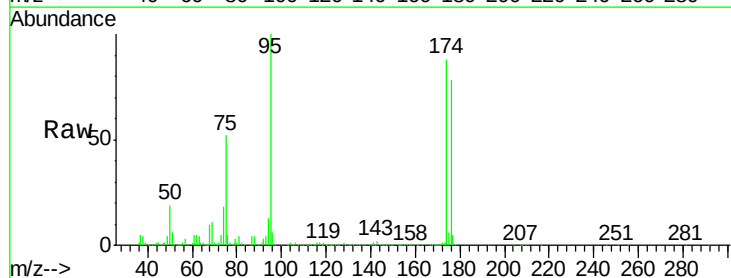
Acq: 09 Sep 2020 12:50

Tgt Ion: 75 Resp: 163881

Ion Ratio Lower Upper

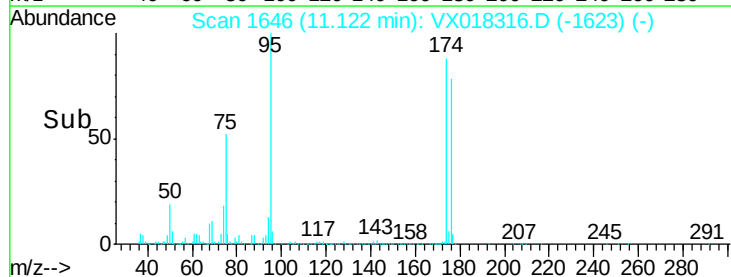
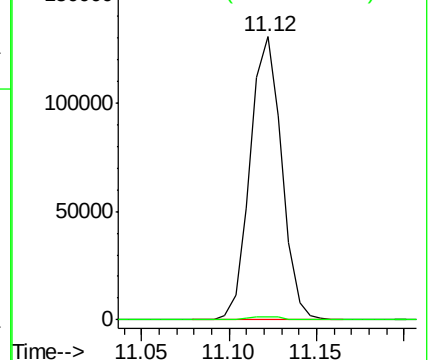
75 100

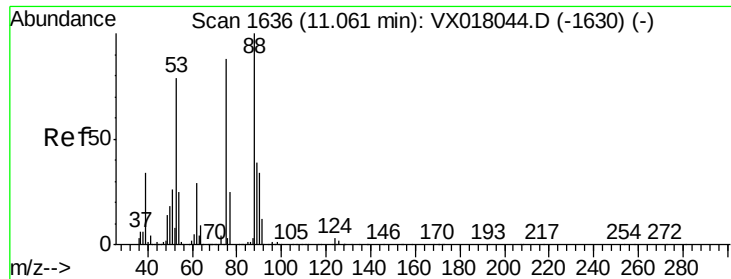
77 1.4 20.8 62.2#



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: 62.474 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018316.D

Acq: 09 Sep 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

IBLK

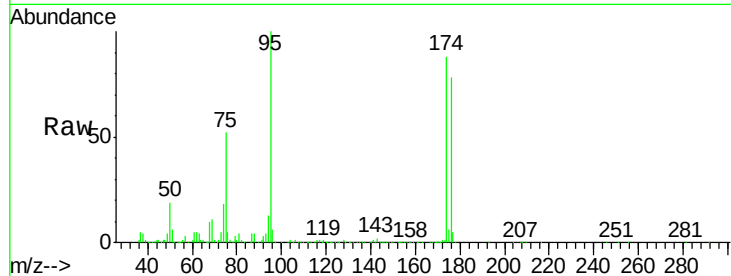
Tgt Ion: 75 Resp: 163881

Ion Ratio Lower Upper

75 100

53 0.2 74.7 112.1#

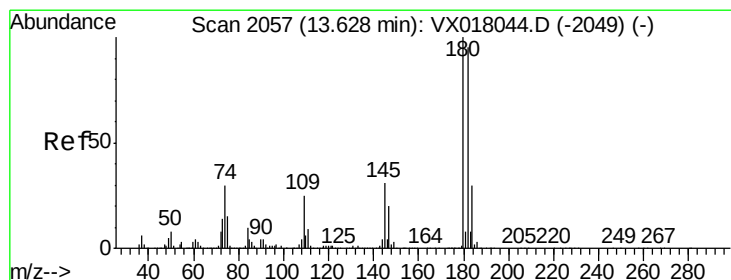
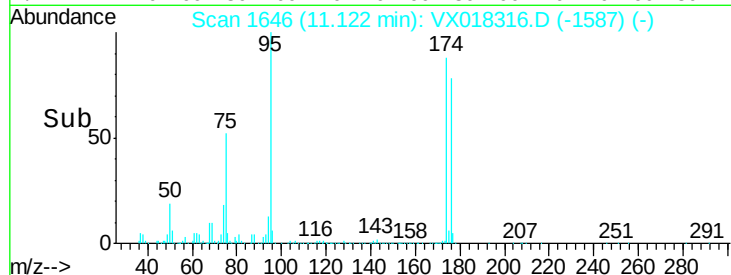
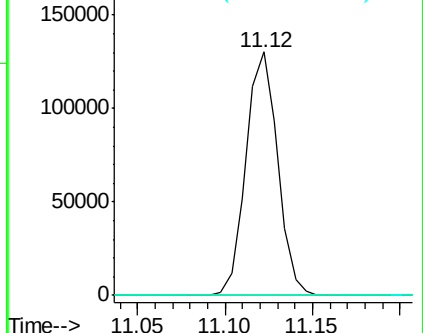
89 0.1 36.6 54.8#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.220 ug/l

RT: 13.63 min Scan# 2058

Delta R.T. 0.01 min

Lab File: VX018316.D

Acq: 09 Sep 2020 12:50

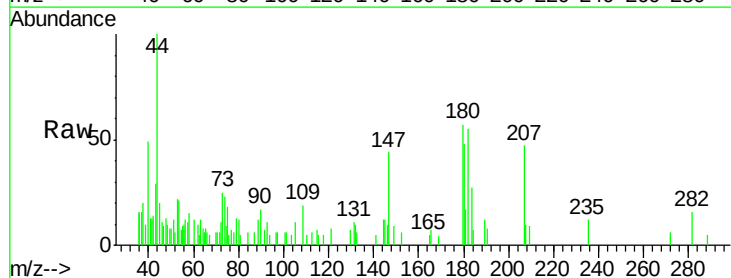
Tgt Ion: 180 Resp: 1408

Ion Ratio Lower Upper

180 100

182 63.3 47.5 142.6

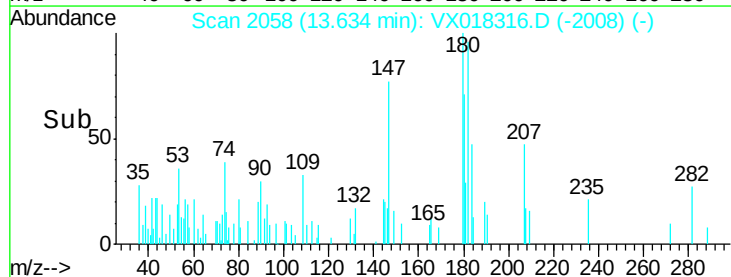
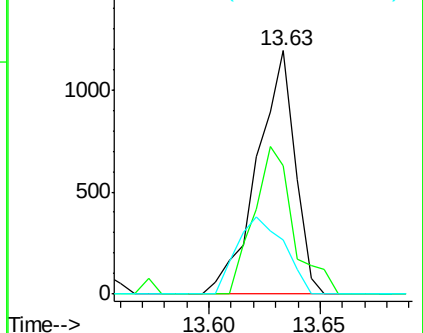
145 39.8 15.7 47.1

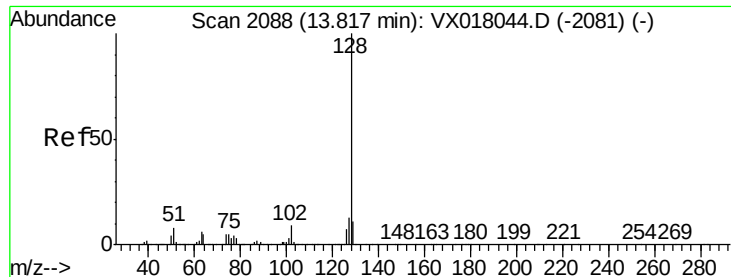


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 0.286 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018316.D

Acq: 09 Sep 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

IBLK

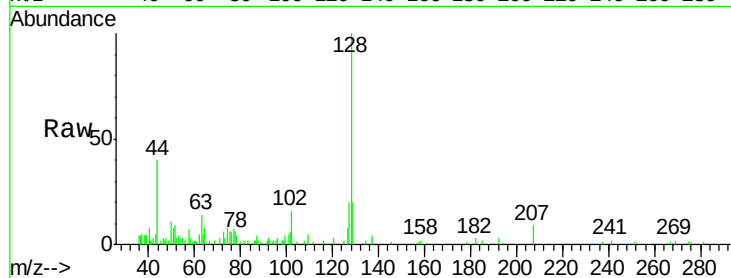
Tgt Ion:128 Resp: 6031

Ion Ratio Lower Upper

128 100

127 16.2 10.2 15.2#

129 14.9 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

