

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110720\
 Data File : VX019347.D
 Acq On : 06 Nov 2020 17:13
 Operator : JC/MD
 Sample : L4651-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB-2020-WW-000-03

Quant Time: Nov 07 01:06:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	294662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	512809	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	475508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	233353	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	205614	54.11	ug/l	0.00
Spiked Amount			Recovery	=	108.22%	
35) Dibromofluoromethane	5.46	113	160730	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	8.70	98	624376	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	11.12	95	238645	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	

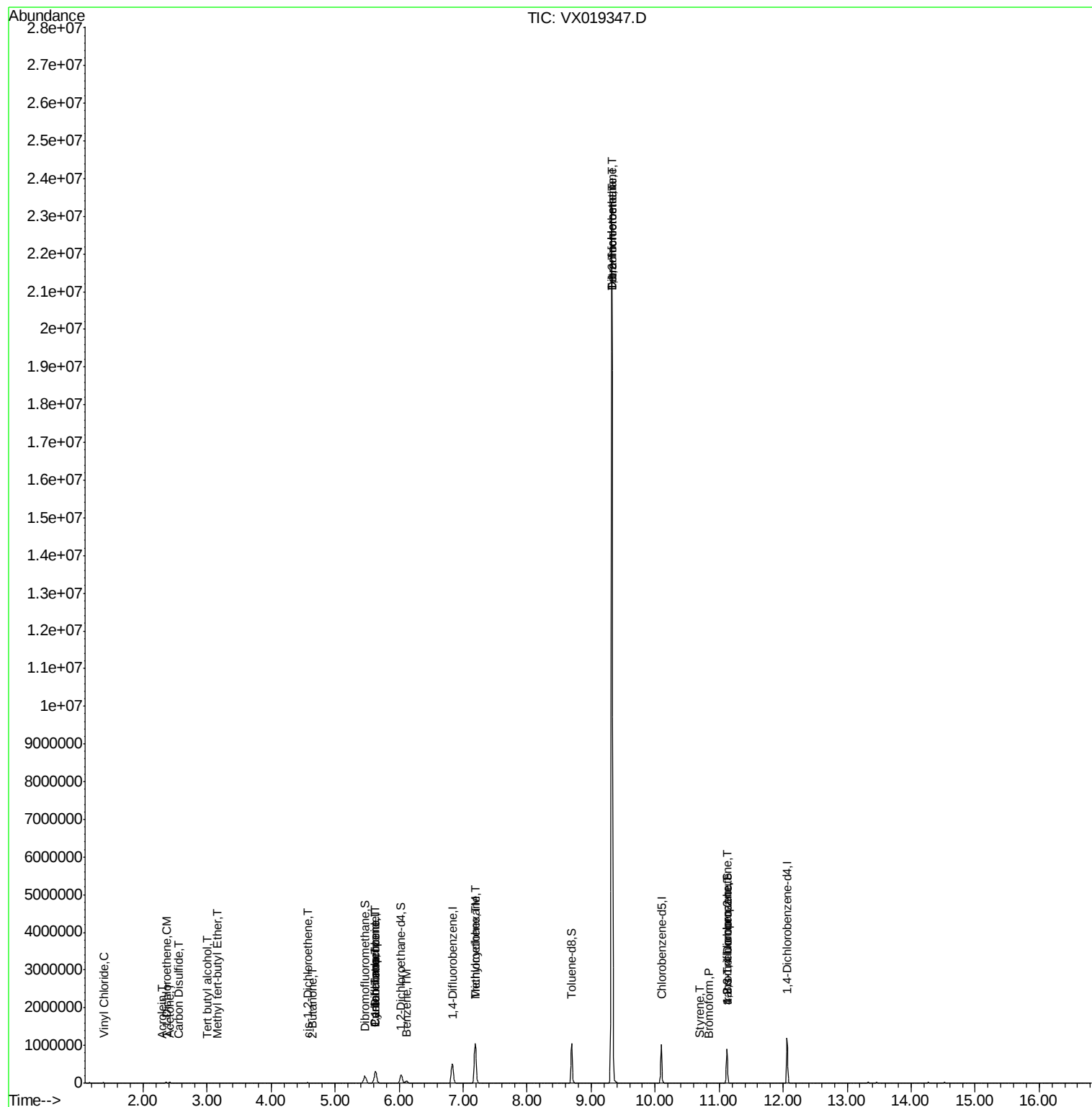
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	1681	0.528	ug/l	99
11) Tert butyl alcohol	3.00	59	1059	1.411	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	7078	2.478	ug/l	95
13) Acrolein	2.29	56	66	5.840	ug/l #	1
16) Acetone	2.42	43	16381	12.496	ug/l	96
17) Carbon Disulfide	2.56	76	1596	0.953	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	2723	0.275	ug/l #	79
25) 2-Butanone	4.65	43	3119	1.510	ug/l #	88
27) cis-1,2-Dichloroethene	4.57	96	8098	2.205	ug/l	95
31) Cyclohexane	5.63	56	6288	1.309	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24251	5.121	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30862	6.394	ug/l #	16
39) Methylcyclohexane	7.19	83	4817	0.851	ug/l #	1
40) Benzene	6.11	78	52925	3.942	ug/l	99
44) Trichloroethene	7.19	130	392631	102.109	ug/l	92
55) 1,1,2-Trichloroethane	9.32	97	41126	12.037	ug/l #	1
60) Dibromochloromethane	9.32	129	4334863	1169.054	ug/l #	11
64) Tetrachloroethene	9.32	164	4434663	1224.080	ug/l	95
70) Styrene	10.69	104	2517	0.239	ug/l	94
71) Bromoform	10.84	173	731	0.264	ug/l #	99
76) 1,2,3-Trichloropropane	11.12	75	124036	25.743	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	124036	67.781	ug/l #	12

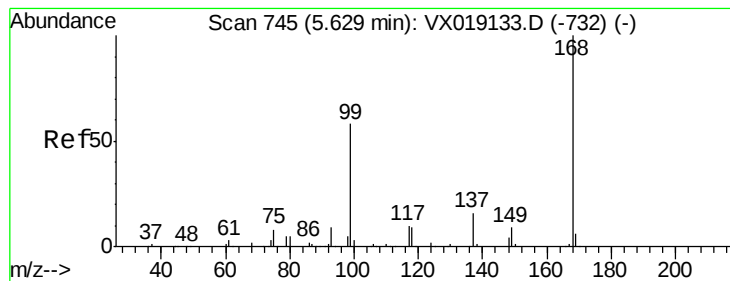
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110720\
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Quant Time: Nov 07 01:06:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019347.D

Acq: 06 Nov 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

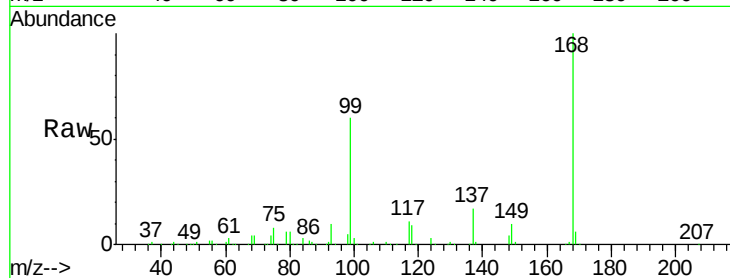
PB-2020-WW-000-03

Tot Ion:168 Resp: 294662

Ion Ratio Lower Upper

168 100

99 59.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

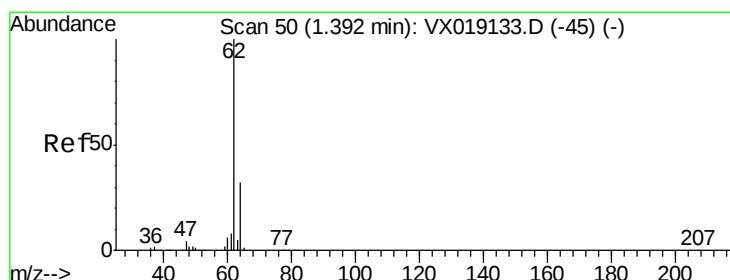
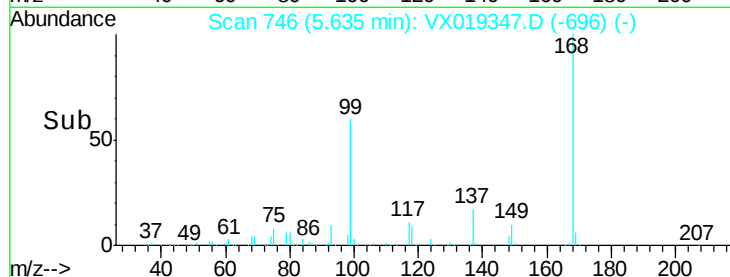
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 0.528 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019347.D

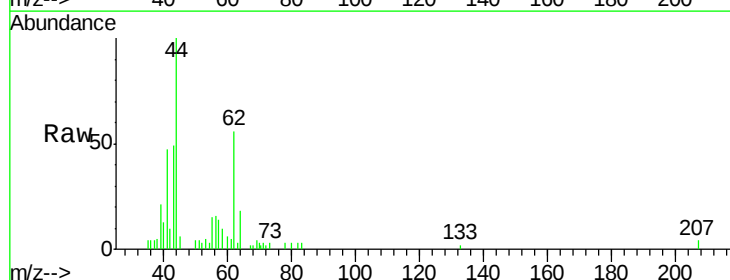
Acq: 06 Nov 2020 17:13

Tgt Ion: 62 Resp: 1681

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

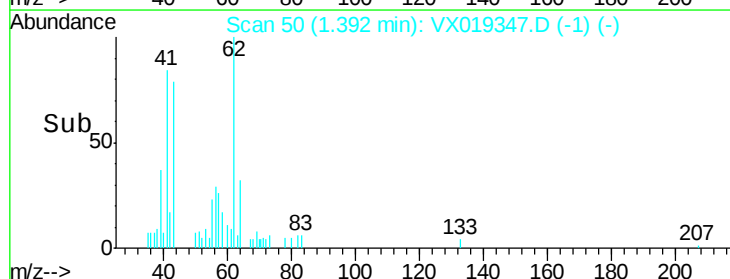
1500

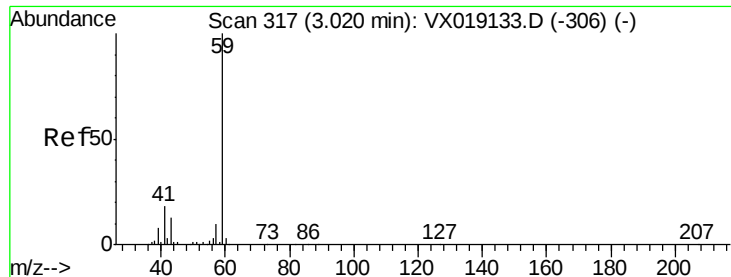
1000

500

0

Time-->



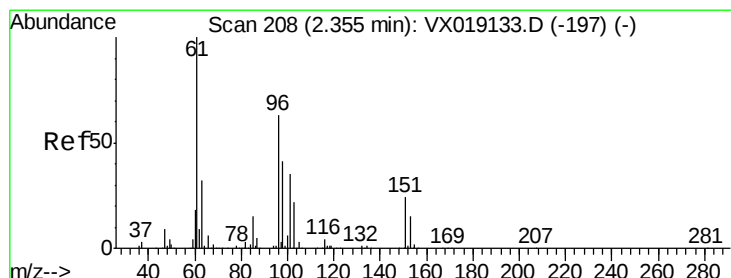
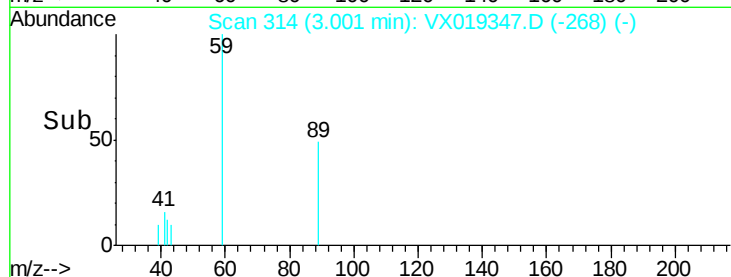
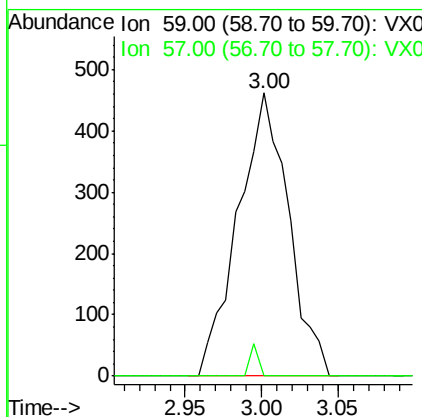
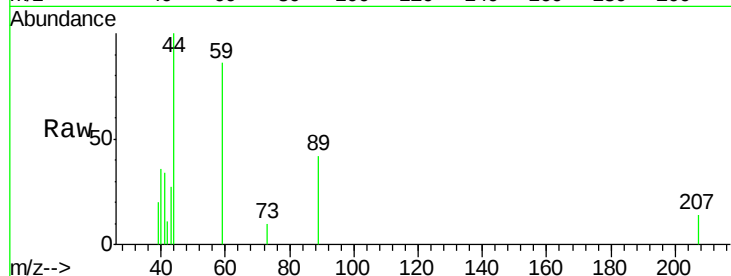


#11

Tert butyl alcohol
Concen: 1.411 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX019347.D
Acq: 06 Nov 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
PB-2020-WW-000-03

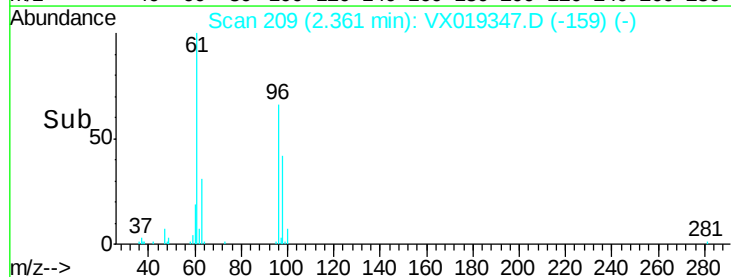
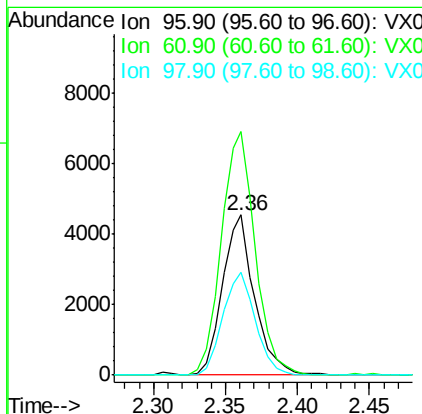
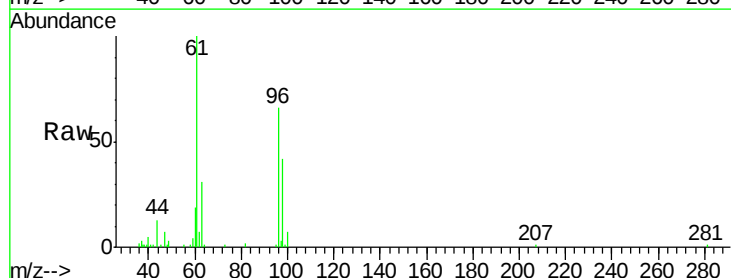
Tot Ion: 59 Resp: 1059
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

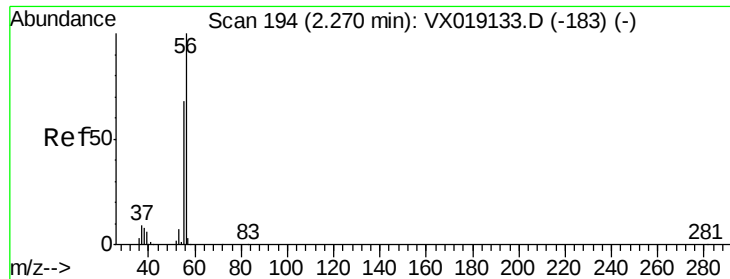


#12

1,1-Dichloroethene
Concen: 2.478 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX019347.D
Acq: 06 Nov 2020 17:13

Tgt Ion: 96 Resp: 7078
Ion Ratio Lower Upper
96 100
61 151.8 127.7 191.5
98 64.0 52.1 78.1





#13

Acrolein

Concen: 5.840 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.02 min

Lab File: VX019347.D

Acq: 06 Nov 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

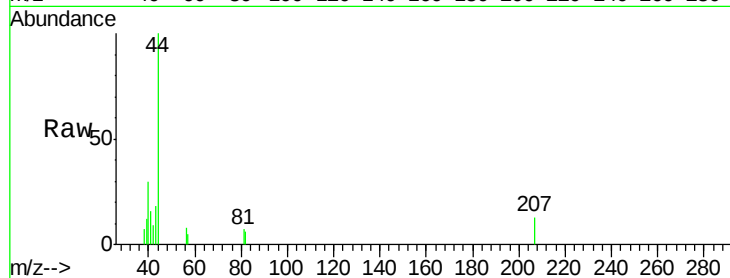
PB-2020-WW-000-03

Tot Ion: 56 Resp: 66

Ion Ratio Lower Upper

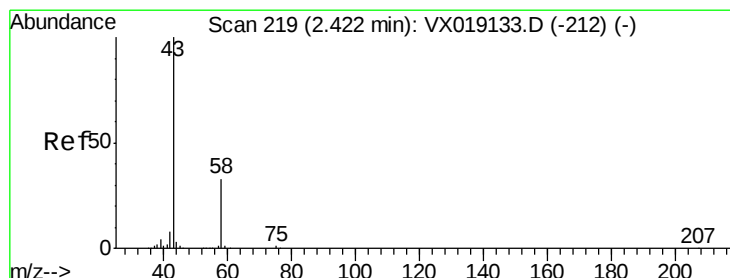
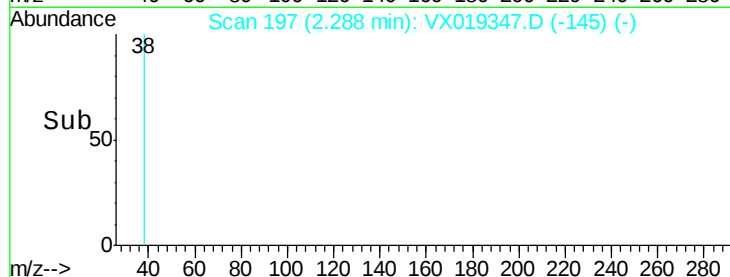
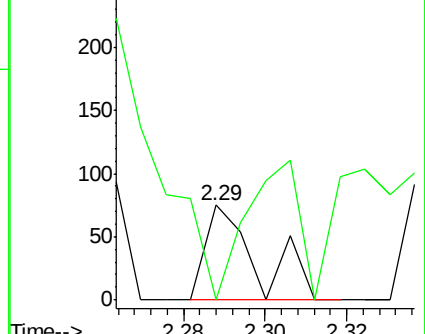
56 100

55 148.5 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 12.496 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019347.D

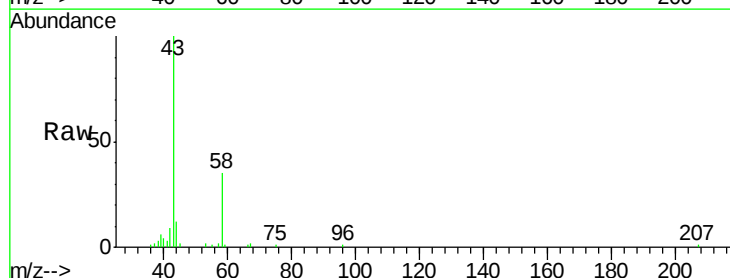
Acq: 06 Nov 2020 17:13

Tgt Ion: 43 Resp: 16381

Ion Ratio Lower Upper

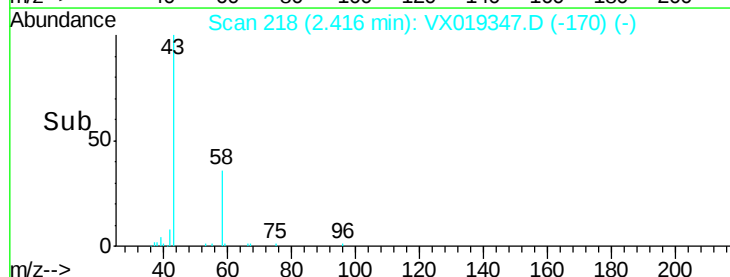
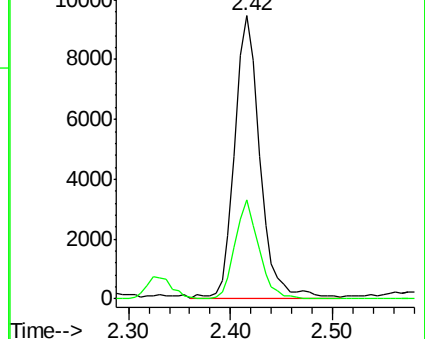
43 100

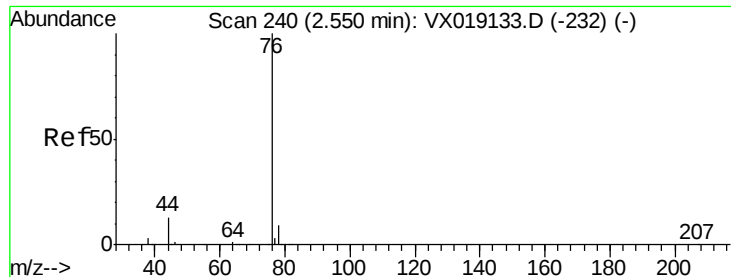
58 34.9 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.953 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019347.D

Acq: 06 Nov 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

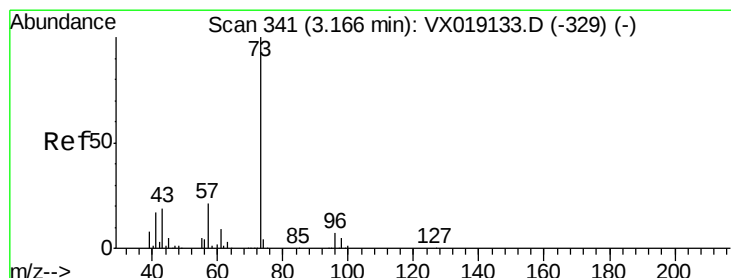
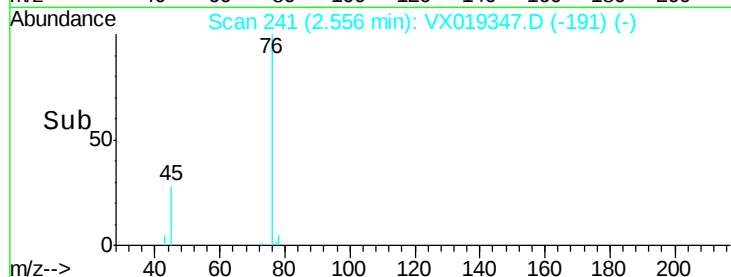
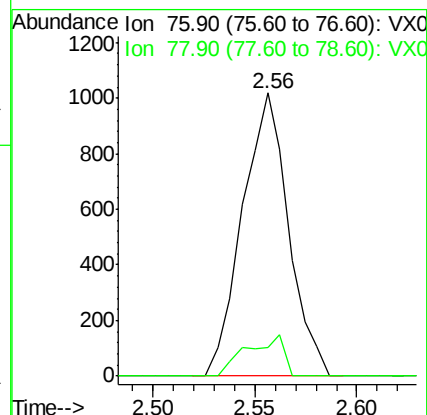
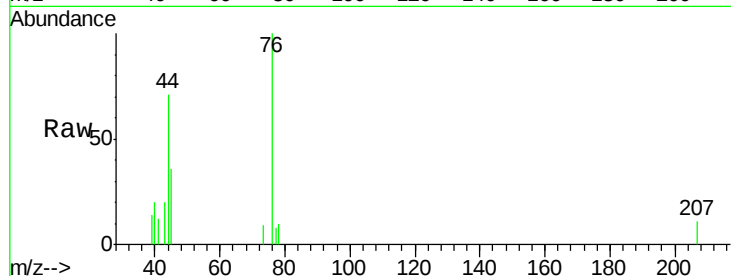
PB-2020-WW-000-03

Tot Ion: 76 Resp: 1596

Ion Ratio Lower Upper

76 100

78 10.2 7.3 10.9



#19

Methyl tert-butyl Ether

Concen: 0.275 ug/l

RT: 3.17 min Scan# 341

Delta R.T. -0.00 min

Lab File: VX019347.D

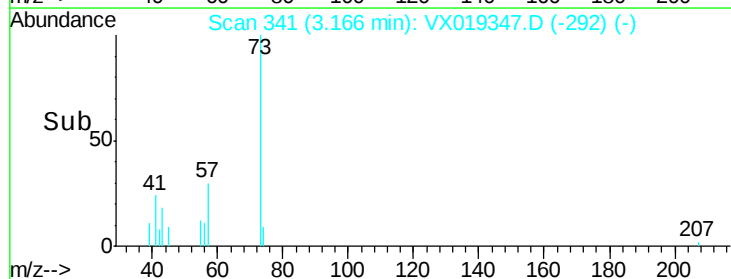
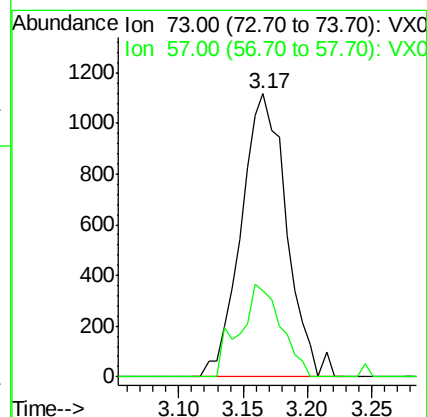
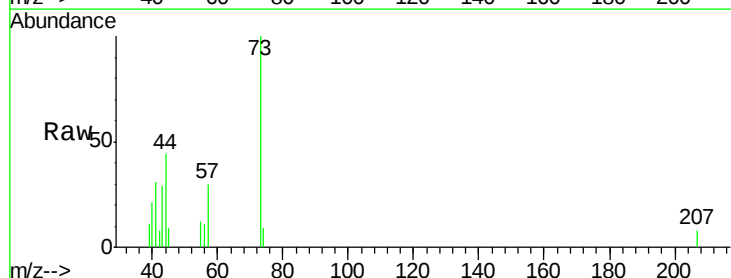
Acq: 06 Nov 2020 17:13

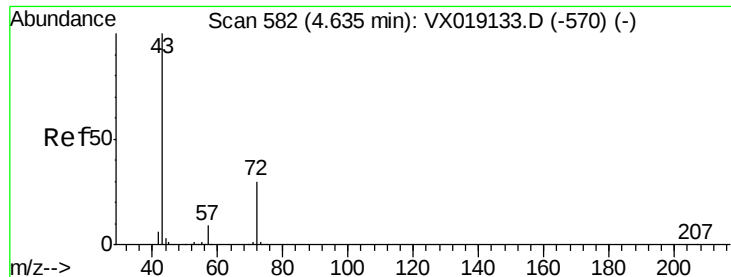
Tgt Ion: 73 Resp: 2723

Ion Ratio Lower Upper

73 100

57 30.4 16.6 25.0#

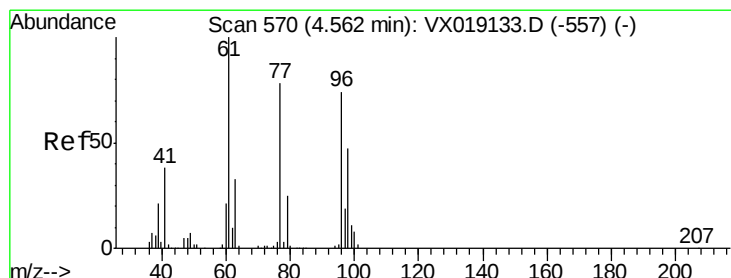
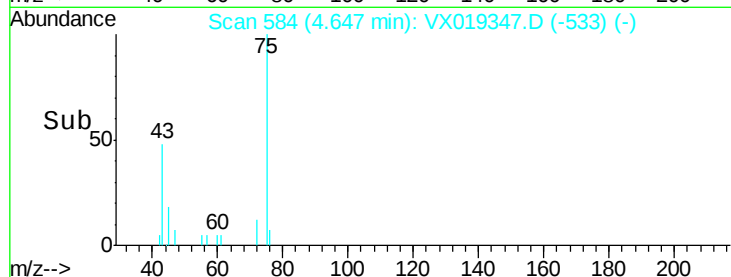
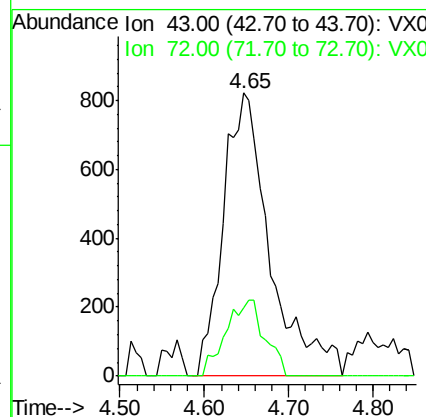
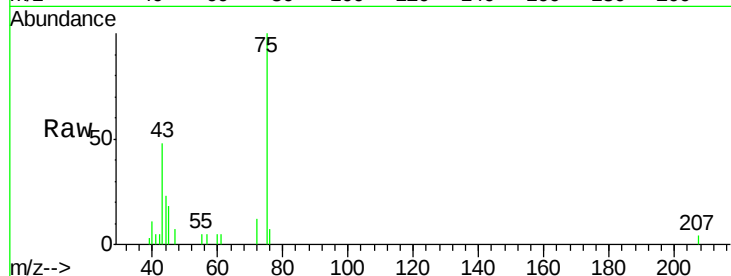




#25
 2-Butanone
 Concen: 1.510 ug/l
 RT: 4.65 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: VX019347.D
 Acq: 06 Nov 2020 17:13

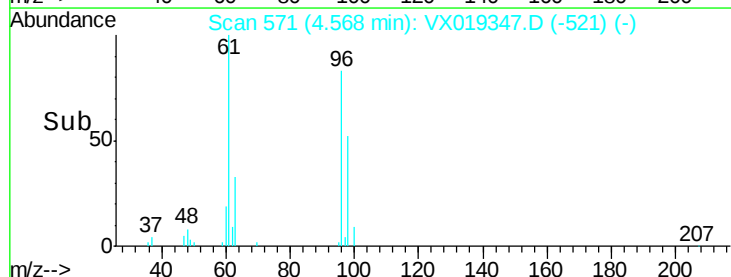
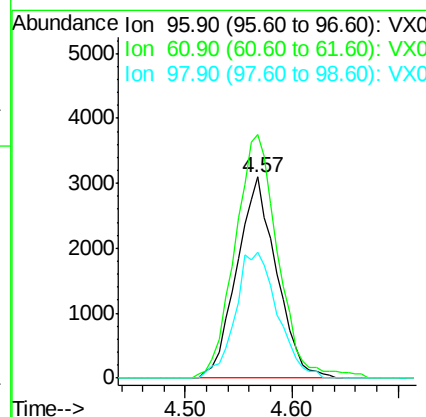
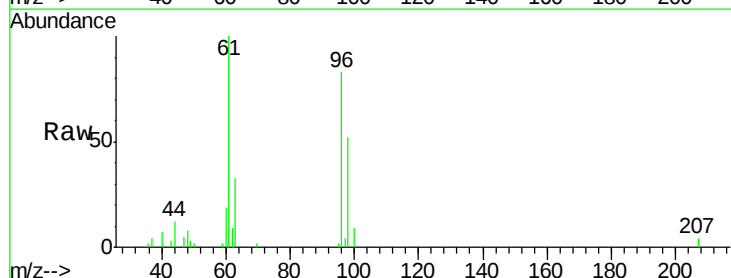
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 PB-2020-WW-000-03

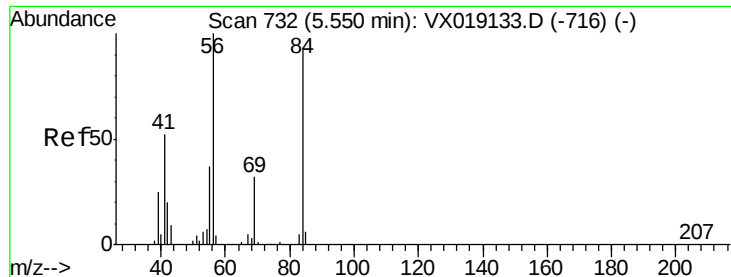
Tot Ion: 43 Resp: 3119
 Ion Ratio Lower Upper
 43 100
 72 24.2 24.6 36.8#



#27
 cis-1,2-Dichloroethene
 Concen: 2.205 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX019347.D
 Acq: 06 Nov 2020 17:13

Tgt Ion: 96 Resp: 8098
 Ion Ratio Lower Upper
 96 100
 61 130.9 0.0 278.8
 98 66.4 0.0 130.2

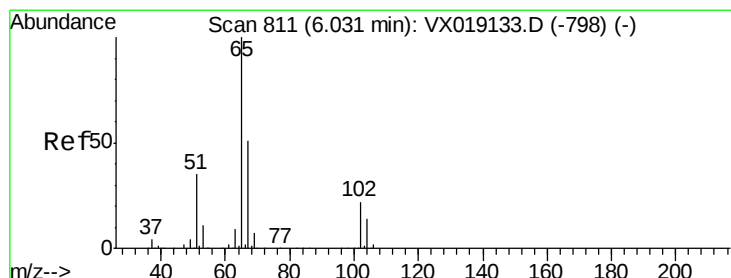
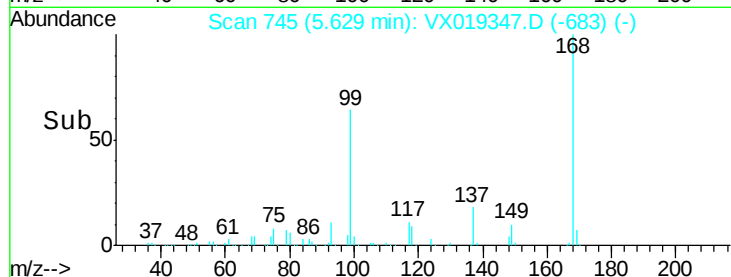
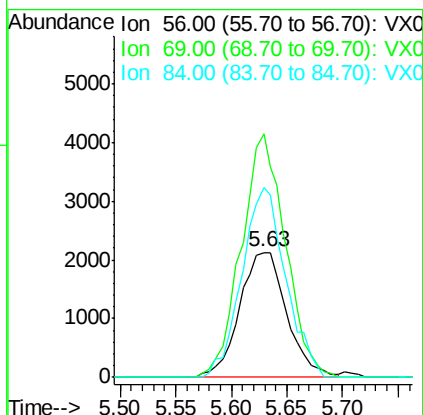
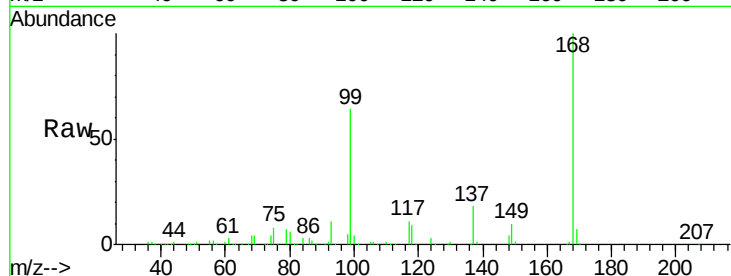




#31
Cyclohexane
Concen: 1.309 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019347.D
Acq: 06 Nov 2020 17:13

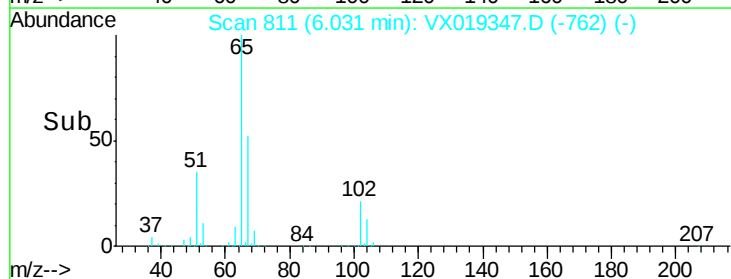
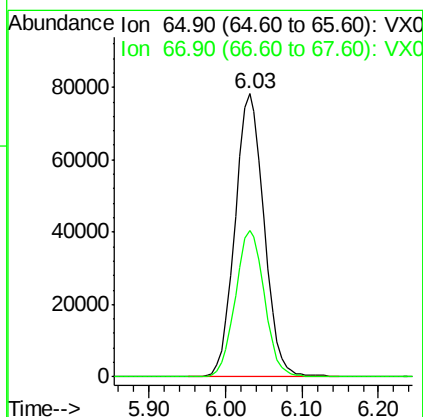
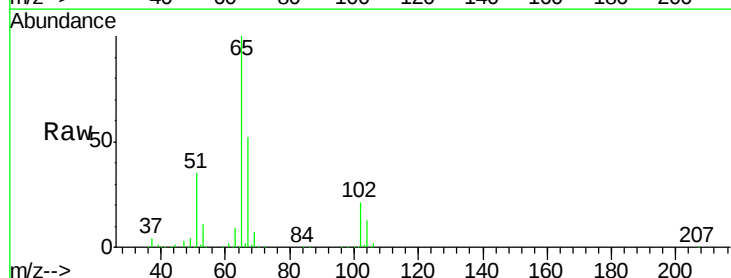
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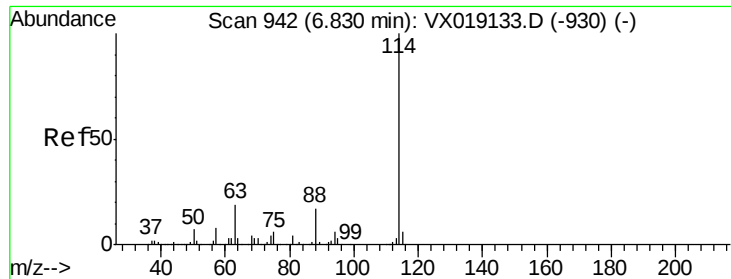
Tot Ion: 56 Resp: 6288
Ion Ratio Lower Upper
56 100
69 194.9 25.9 38.9#
84 151.6 73.4 110.2#



#33
1,2-Dichloroethane-d4
Concen: 54.109 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019347.D
Acq: 06 Nov 2020 17:13

Tgt Ion: 65 Resp: 205614
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019347.D

Acq: 06 Nov 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

PB-2020-WW-000-03

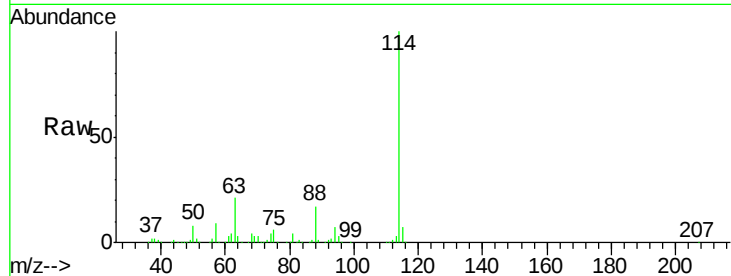
Tot Ion:114 Resp: 512809

Ion Ratio Lower Upper

114 100

63 21.1 0.0 38.8

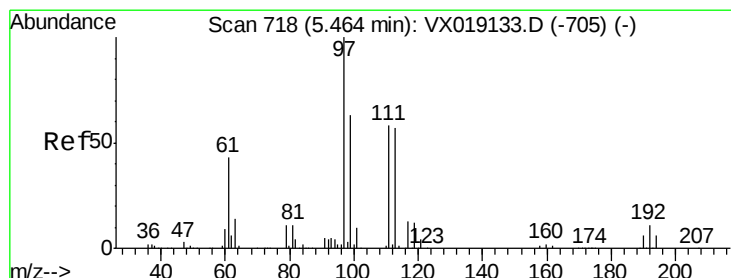
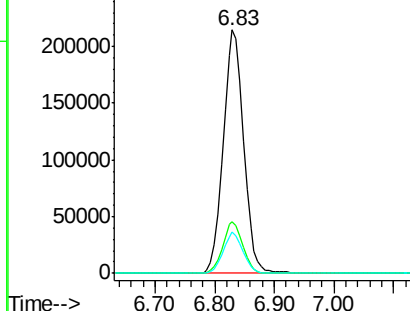
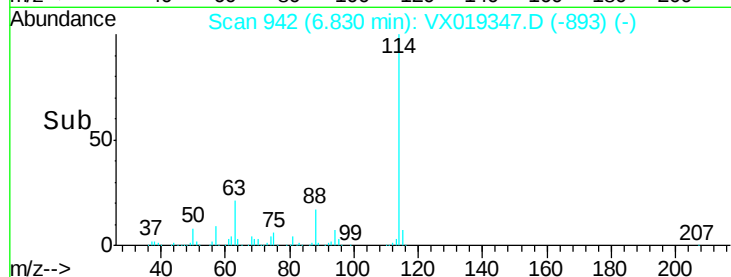
88 16.9 0.0 34.2



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



#35

Dibromofluoromethane

Concen: 49.899 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019347.D

Acq: 06 Nov 2020 17:13

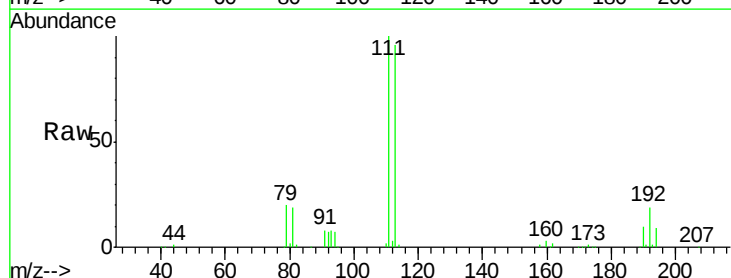
Tgt Ion:113 Resp: 160730

Ion Ratio Lower Upper

113 100

111 102.5 82.3 123.5

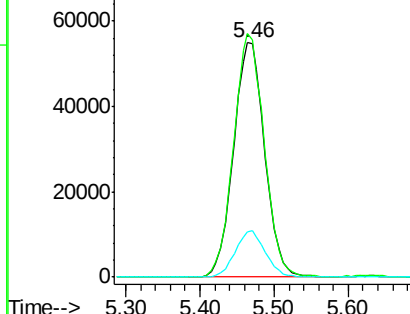
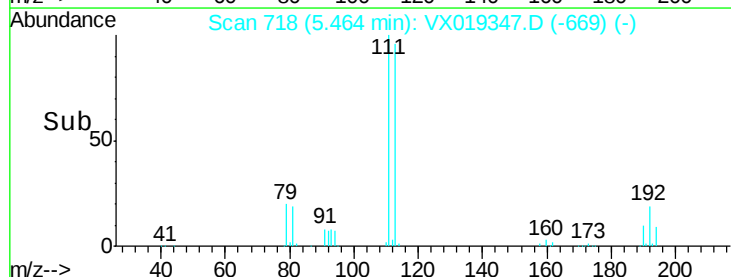
192 19.3 16.2 24.2

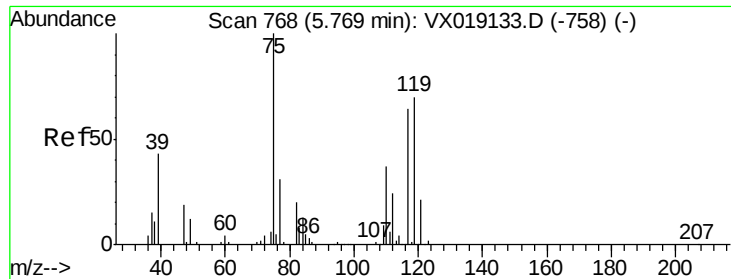


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.121 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019347.D

Acq: 06 Nov 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

PB-2020-WW-000-03

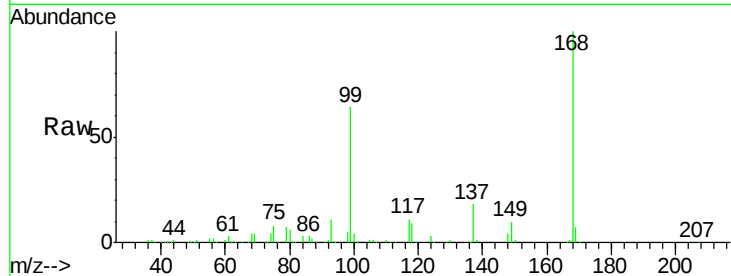
Tot Ion: 75 Resp: 24251

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.9#

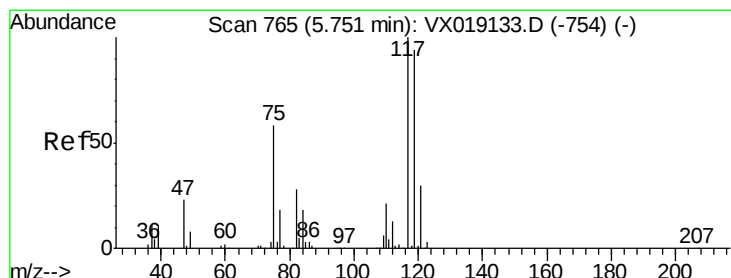
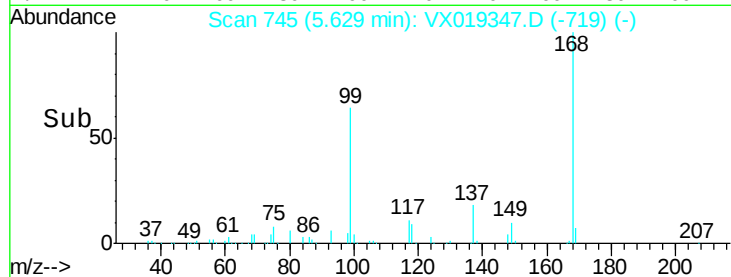
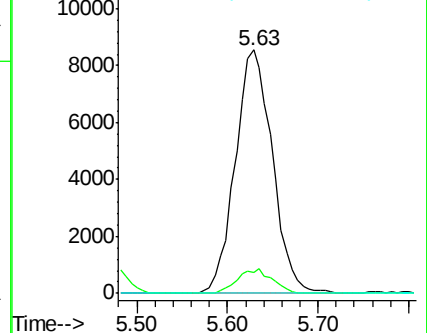
77 0.0 24.9 37.3#



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: 6.394 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019347.D

Acq: 06 Nov 2020 17:13

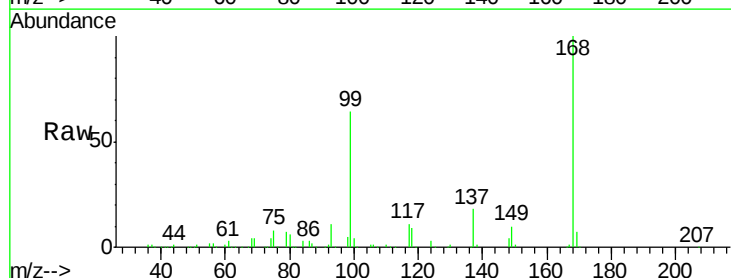
Tgt Ion:117 Resp: 30862

Ion Ratio Lower Upper

117 100

119 3.9 75.0 112.6#

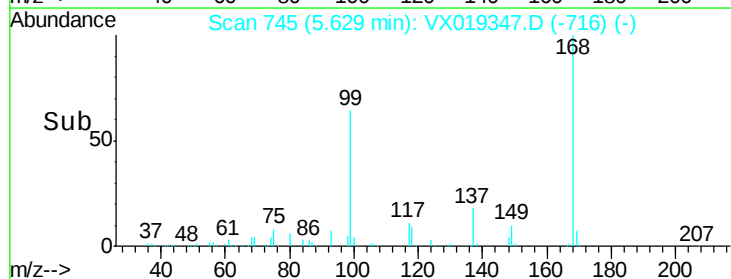
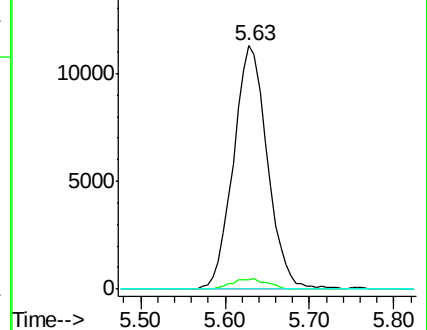
121 0.0 23.9 35.9#

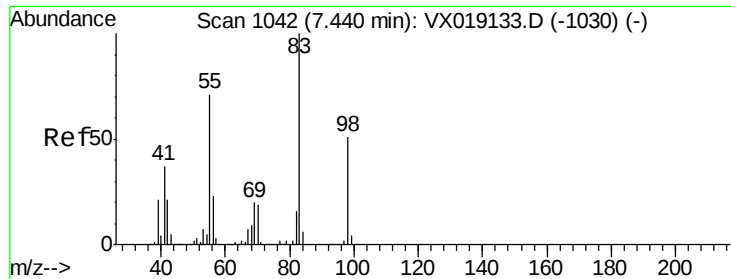


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

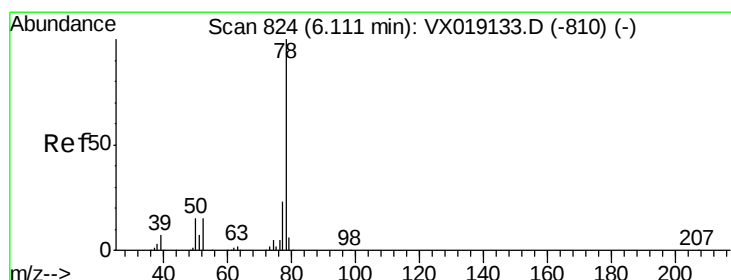
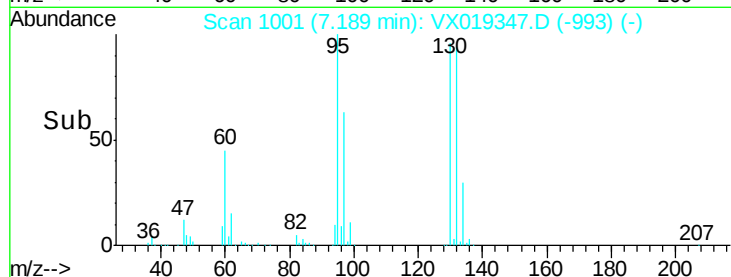
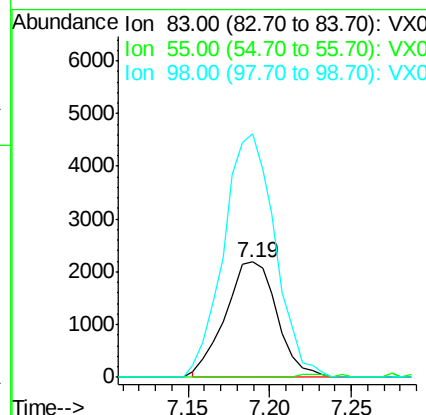
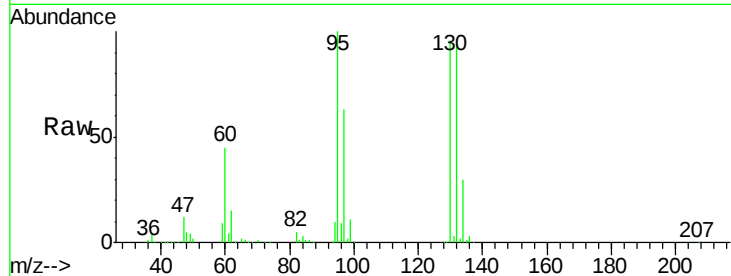




#39
Methvlcvclohexane
Concen: 0.851 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.25 min
Lab File: VX019347.D
Acq: 06 Nov 2020 17:13

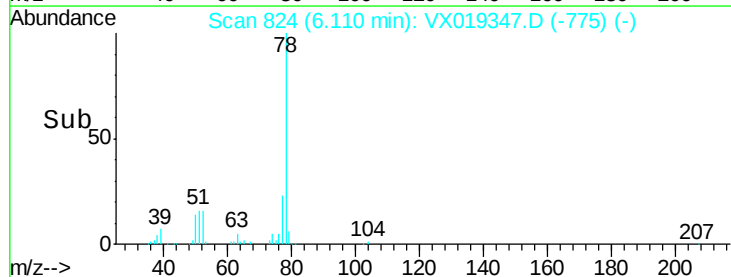
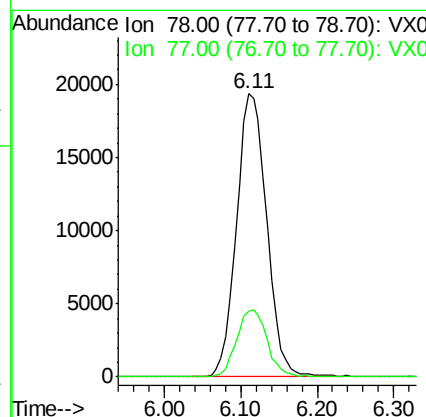
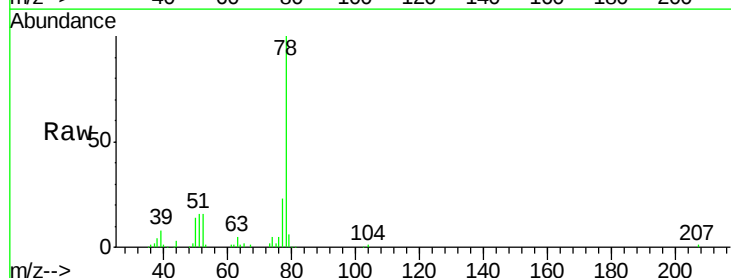
Instrument :
MSVOA_X
ClientSampleId :
PB-2020-WW-000-03

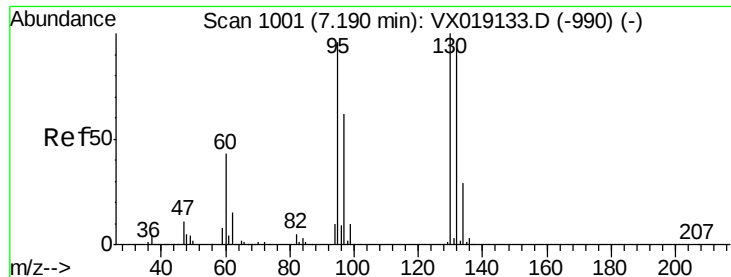
Tot Ion: 83 Resp: 4817
Ion Ratio Lower Upper
83 100
55 0.0 57.0 85.6#
98 210.7 40.5 60.7#



#40
Benzene
Concen: 3.942 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX019347.D
Acq: 06 Nov 2020 17:13

Tgt Ion: 78 Resp: 52925
Ion Ratio Lower Upper
78 100
77 23.1 18.7 28.1

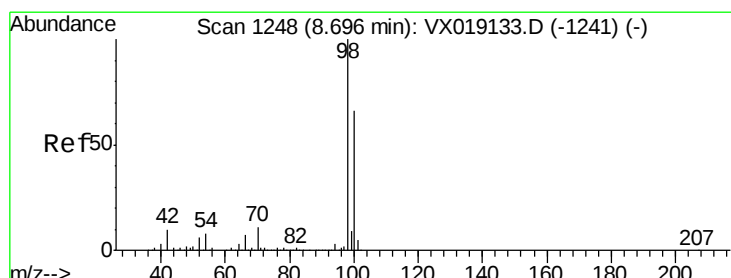
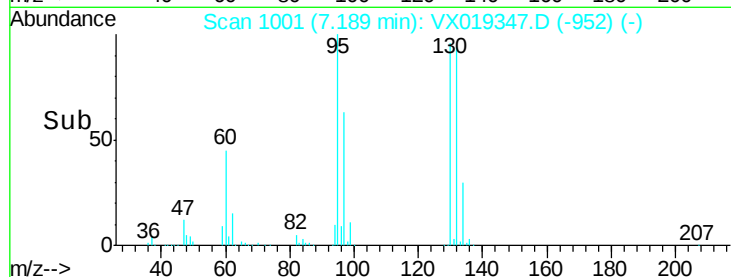
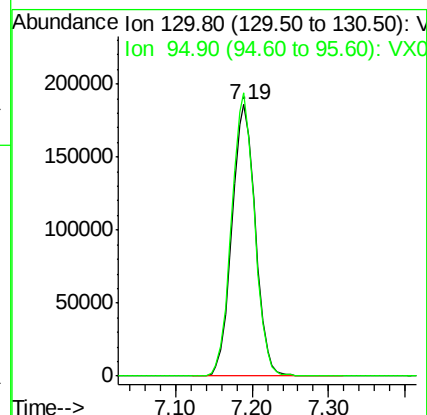
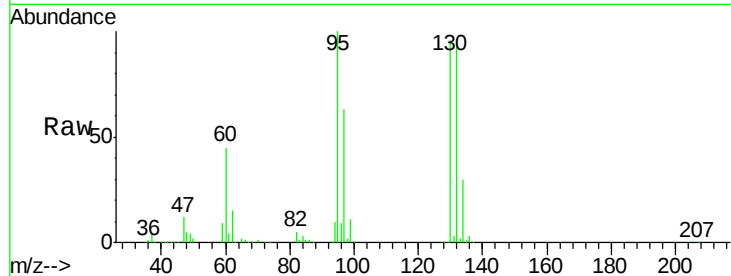




#44
 Trichloroethene
 Concen: 102.109 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX019347.D
 Acq: 06 Nov 2020 17:13

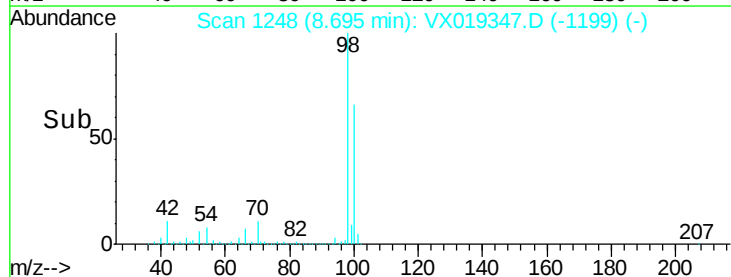
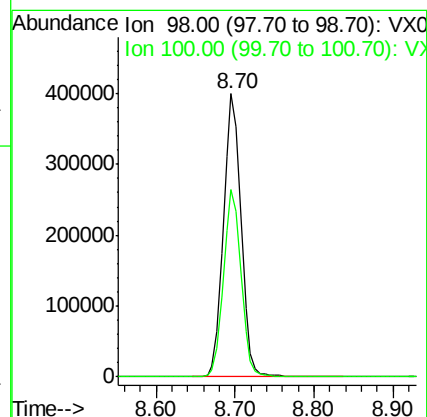
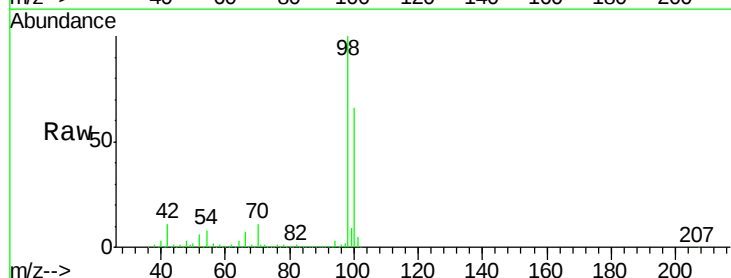
Instrument :
 MSVOA_X
 ClientSampleId :
 PB-2020-WW-000-03

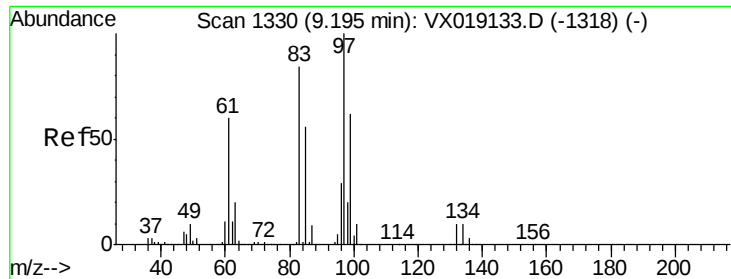
Tot Ion:130 Resp: 392631
 Ion Ratio Lower Upper
 130 100
 95 104.2 0.0 192.0



#50
 Toluene-d8
 Concen: 51.420 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX019347.D
 Acq: 06 Nov 2020 17:13

Tgt Ion: 98 Resp: 624376
 Ion Ratio Lower Upper
 98 100
 100 65.9 53.0 79.6

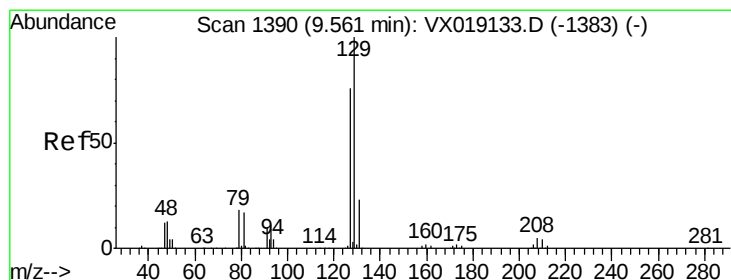
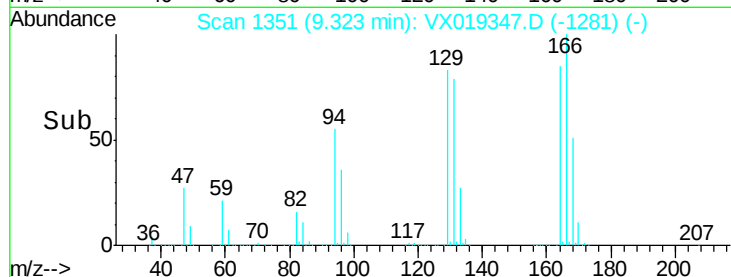
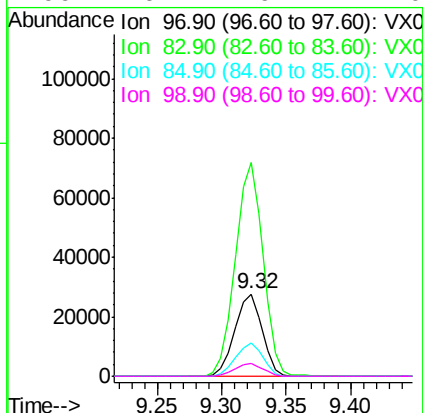
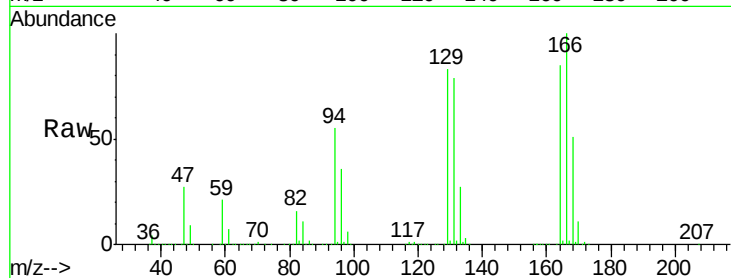




#55
 1,1,2-Trichloroethane
 Concen: 12.037 ug/l
 RT: 9.32 min Scan# 1351
 Delta R.T. 0.13 min
 Lab File: VX019347.D
 Acq: 06 Nov 2020 17:13

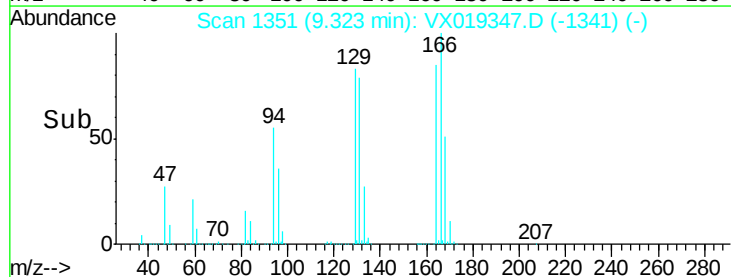
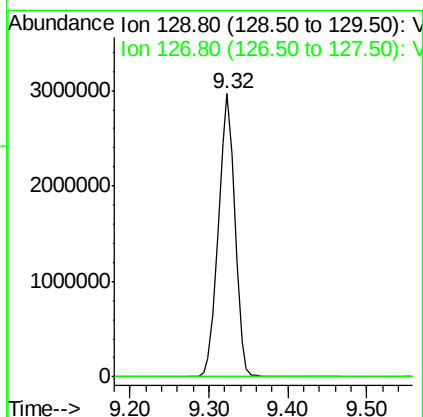
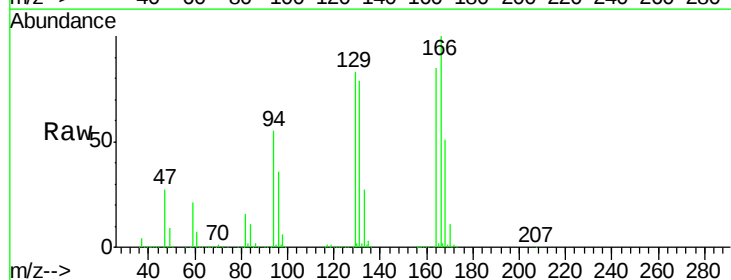
Instrument :
 MSVOA_X
 ClientSampleId :
 PB-2020-WW-000-03

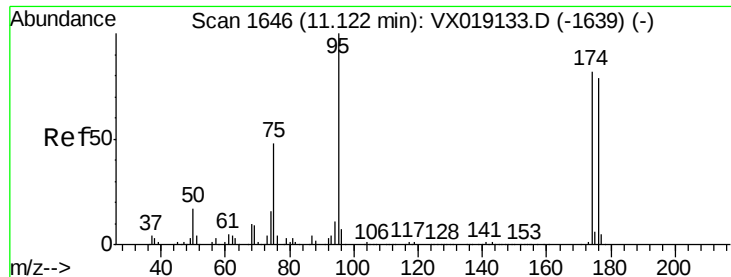
Tot Ion: 97 Resp: 41126
 Ion Ratio Lower Upper
 97 100
 83 259.5 67.2 100.8#
 85 40.2 44.6 67.0#
 99 16.2 49.4 74.0#



#60
 Dibromochloromethane
 Concen: 1169.054 ug/l
 RT: 9.32 min Scan# 1351
 Delta R.T. -0.24 min
 Lab File: VX019347.D
 Acq: 06 Nov 2020 17:13

Tgt Ion: 129 Resp: 4334863
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 51.897 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019347.D

Acq: 06 Nov 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

PB-2020-WW-000-03

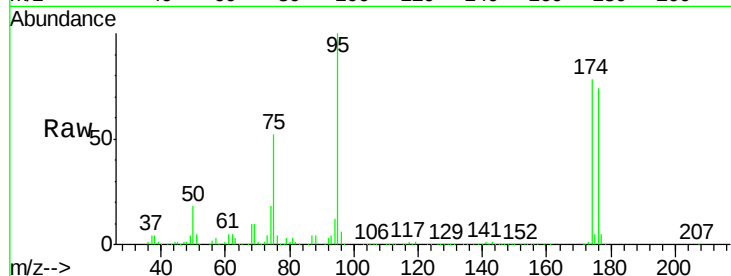
Tot Ion: 95 Resp: 238645

Ion Ratio Lower Upper

95 100

174 74.6 0.0 156.0

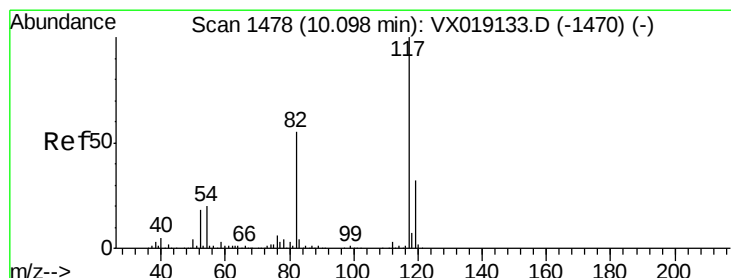
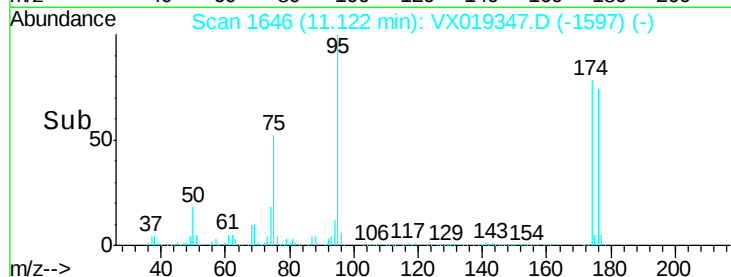
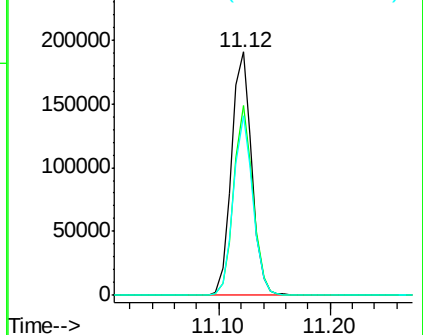
176 71.6 0.0 149.8



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: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019347.D

Acq: 06 Nov 2020 17:13

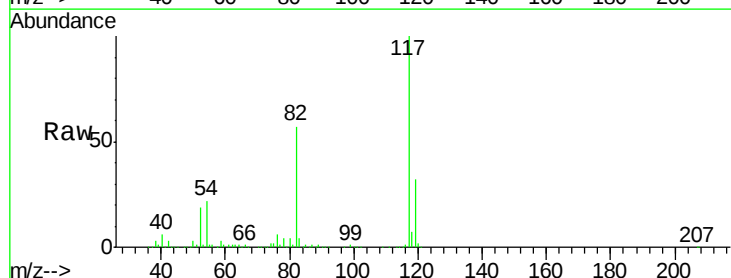
Tgt Ion: 117 Resp: 475508

Ion Ratio Lower Upper

117 100

82 57.3 43.6 65.4

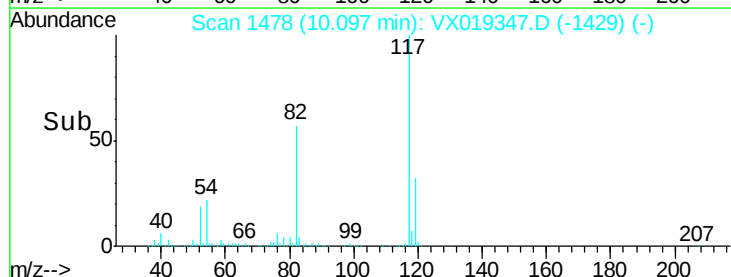
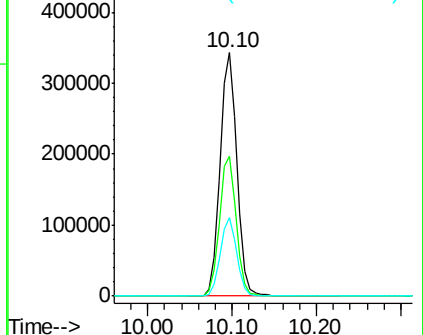
119 32.2 25.5 38.3

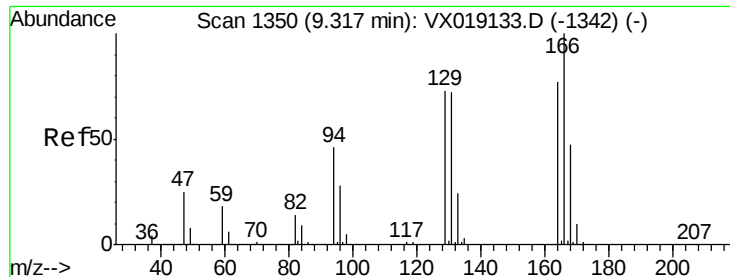


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

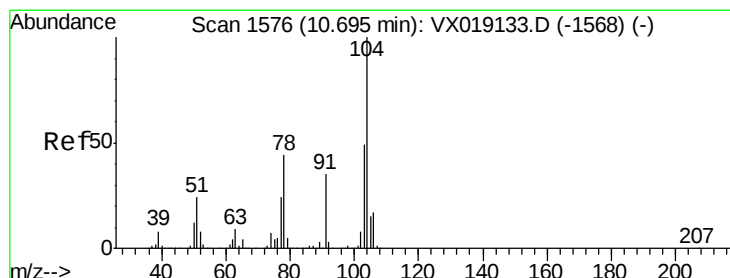
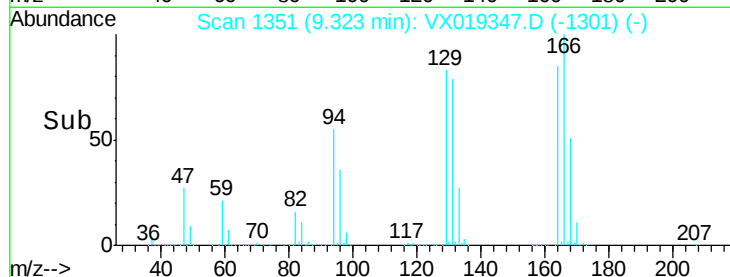
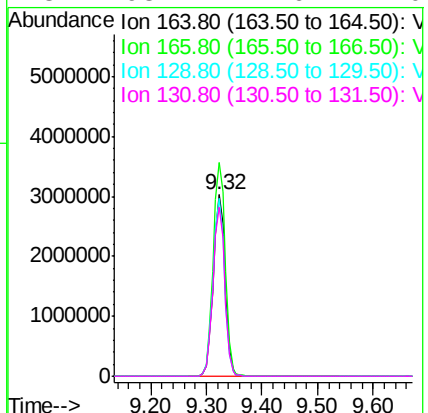
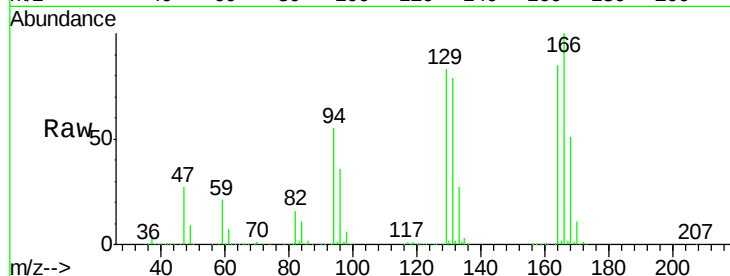




#64
Tetrachloroethene
Concen: 1224.080 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX019347.D
Acq: 06 Nov 2020 17:13

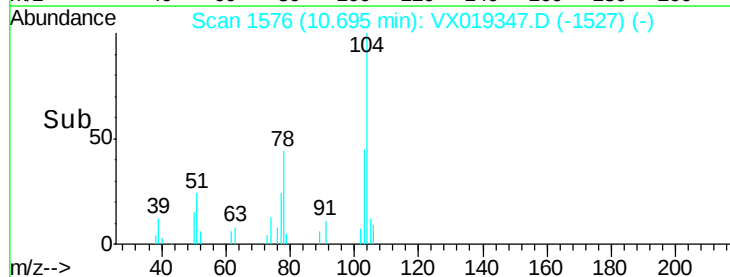
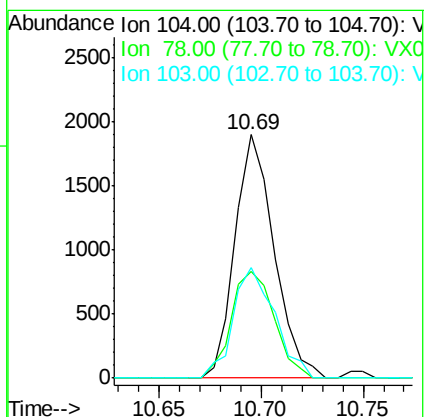
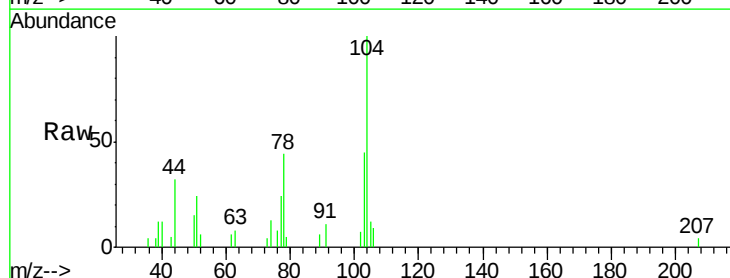
Instrument :
MSVOA_X
ClientSampleId :
PB-2020-WW-000-03

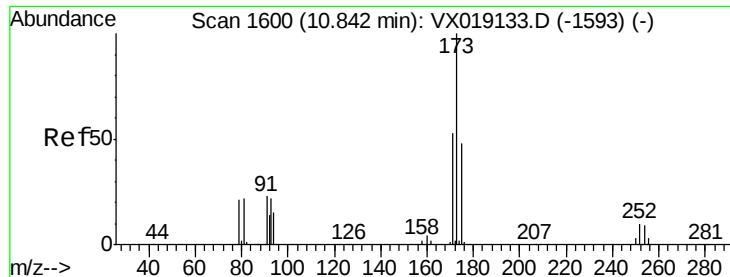
Tot Ion:164 Resp: 4434663
Ion Ratio Lower Upper
164 100
166 117.9 104.1 156.1
129 98.0 76.2 114.4
131 93.2 74.6 112.0



#70
Styrene
Concen: 0.239 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019347.D
Acq: 06 Nov 2020 17:13

Tgt Ion:104 Resp: 2517
Ion Ratio Lower Upper
104 100
78 48.4 40.0 60.0
103 48.2 43.5 65.3





#71

Bromoform

Concen: 0.264 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019347.D

Acq: 06 Nov 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

PB-2020-WW-000-03

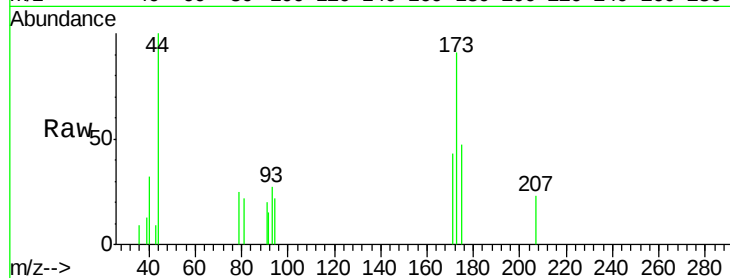
Tot Ion:173 Resp: 731

Ion Ratio Lower Upper

173 100

175 49.4 24.4 73.4

254 0.0 0.1 0.1#

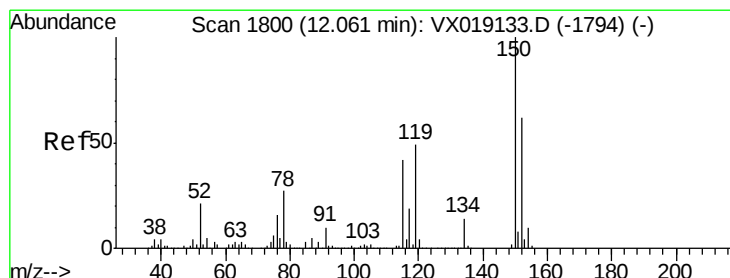
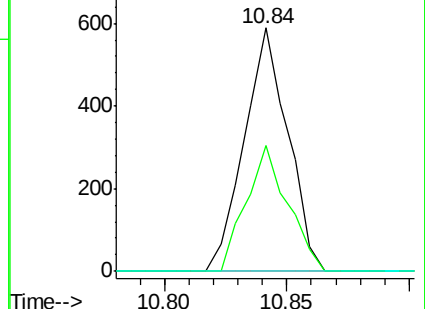
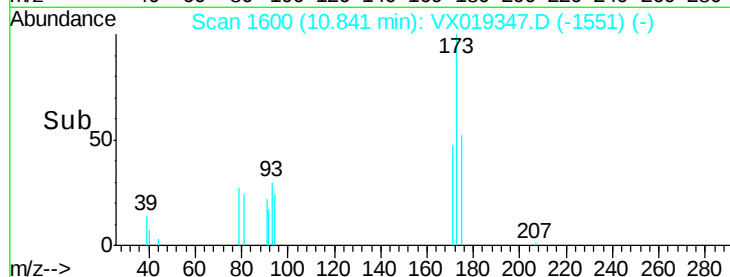


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019347.D

Acq: 06 Nov 2020 17:13

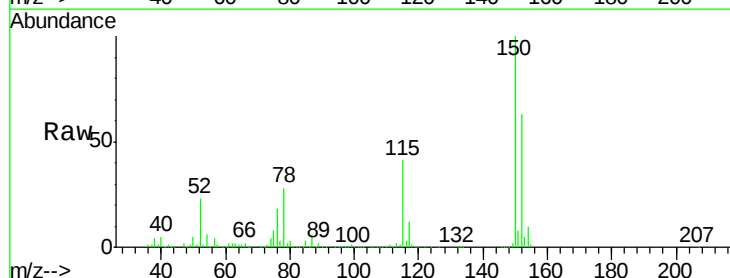
Tgt Ion:152 Resp: 233353

Ion Ratio Lower Upper

152 100

115 62.5 41.9 125.7

150 158.9 0.0 347.8

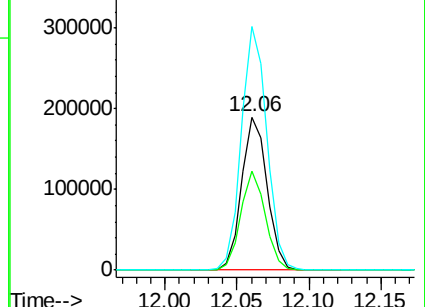
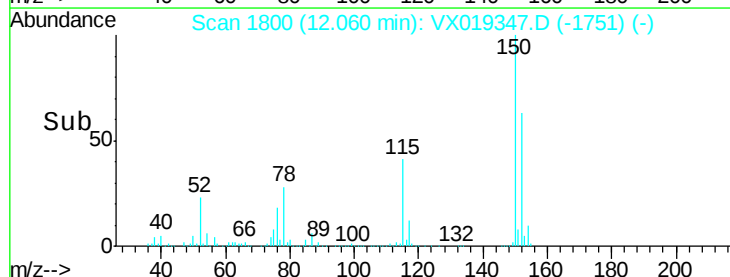


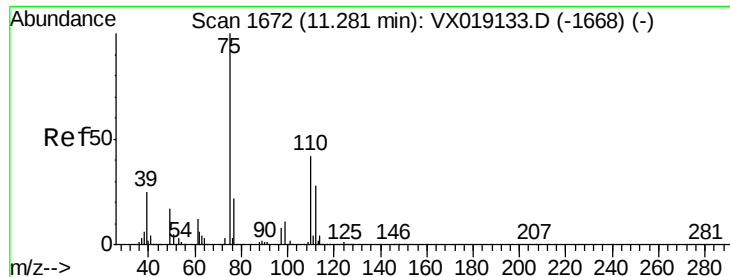
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->





#76

1,2,3-Trichloropropane

Concen: 25.743 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019347.D

Acq: 06 Nov 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

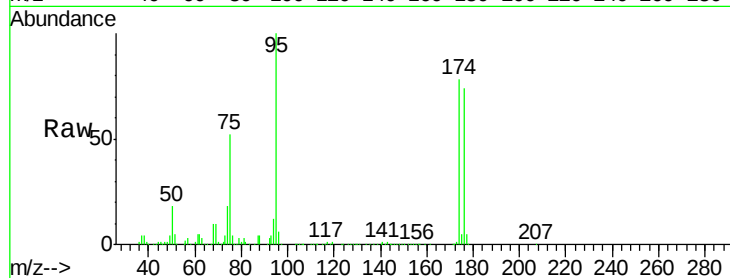
PB-2020-WW-000-03

Tot Ion: 75 Resp: 124036

Ion Ratio Lower Upper

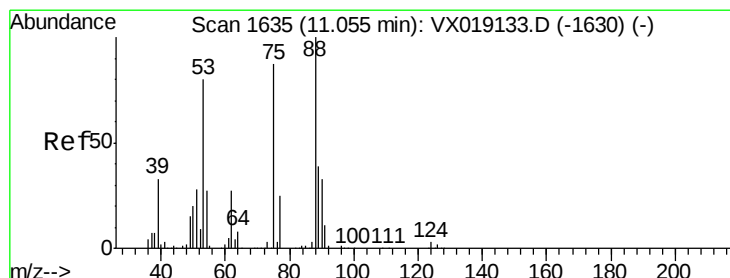
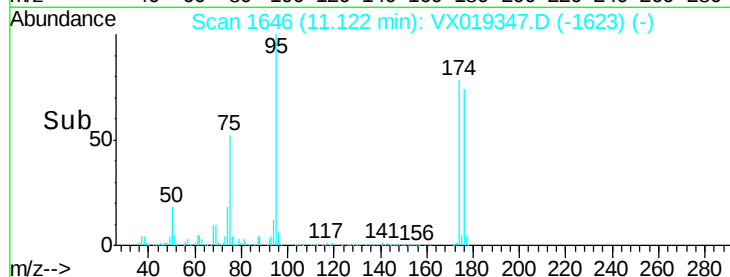
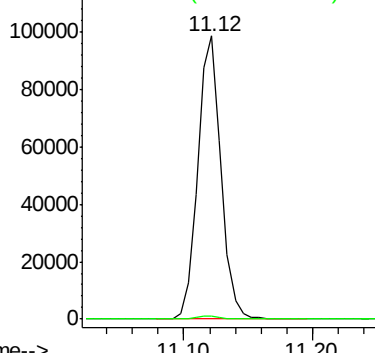
75 100

77 1.1 20.3 60.9#



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: 67.781 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019347.D

Acq: 06 Nov 2020 17:13

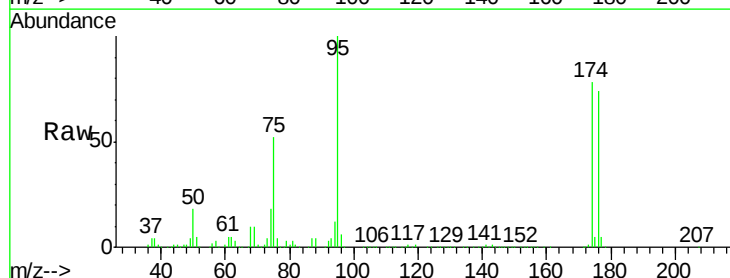
Tgt Ion: 75 Resp: 124036

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#



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

