

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 02:46:35 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%	

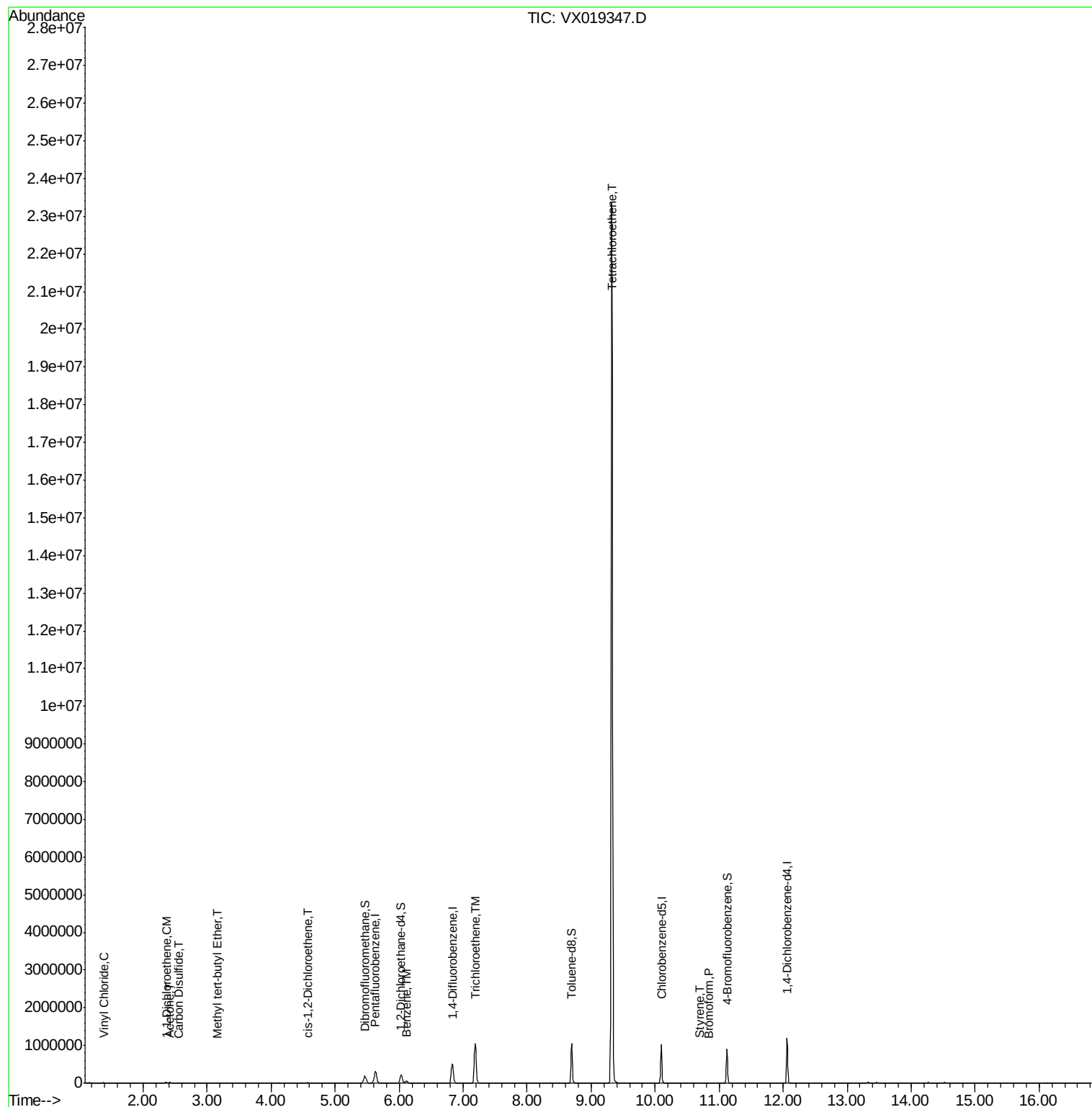
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	1681	0.528	ug/l	99
12) 1,1-Dichloroethene	2.36	96	7078	2.478	ug/l	95
16) Acetone	2.42	43	16381	12.496	ug/l	96
17) Carbon Disulfide	2.56	76	1596	0.953	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	2723	0.275	ug/l #	79
27) cis-1,2-Dichloroethene	4.57	96	8098	2.205	ug/l	95
40) Benzene	6.11	78	52925	3.942	ug/l	99
44) Trichloroethene	7.19	130	392631	102.109	ug/l	92
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

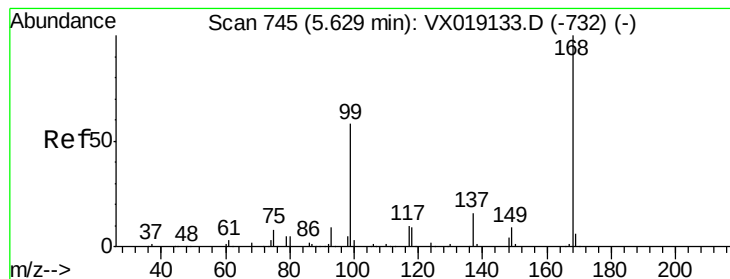
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

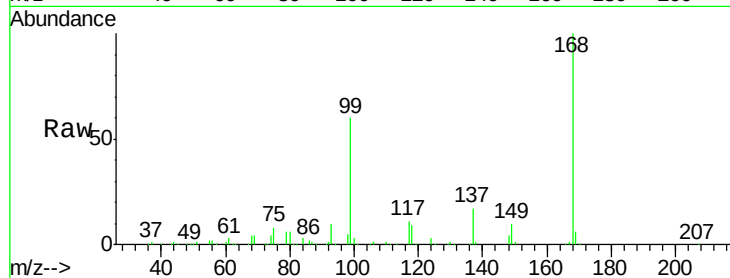
PB-2020-WW-000-03

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

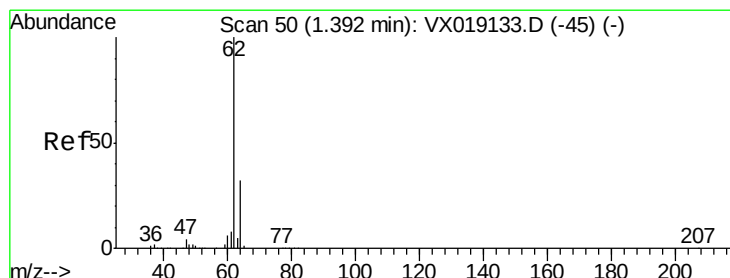
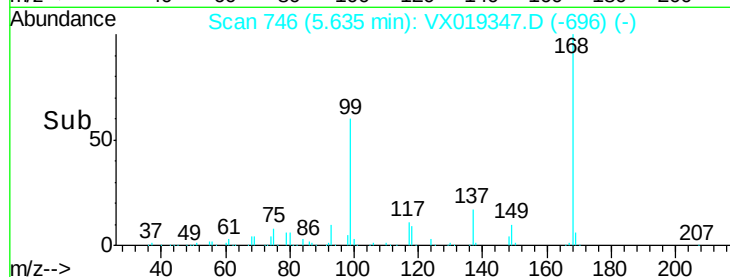
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.528 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019347.D

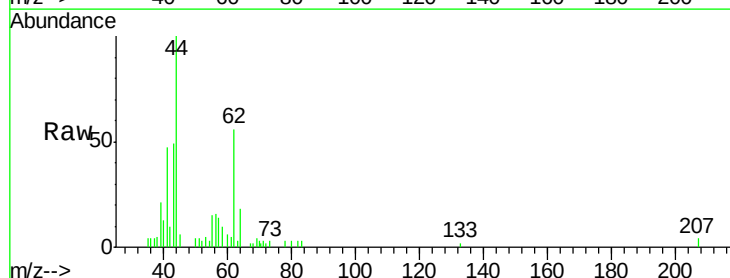
Acq: 06 Nov 2020 17:13

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

1500

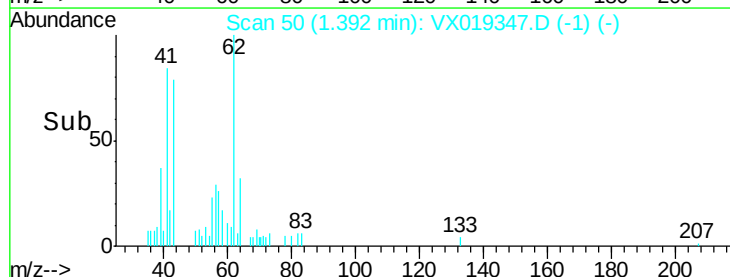
1000

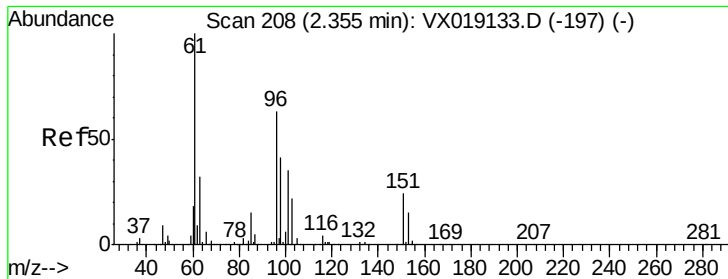
500

0

Time-->

1.35 1.40 1.45





#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

Instrument :

MSVOA_X

ClientSampleId :

PB-2020-WW-000-03

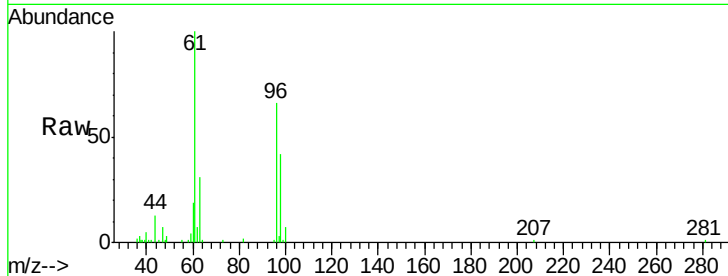
Tot Ion: 96 Resp: 7078

Ion Ratio Lower Upper

96 100

61 151.8 127.7 191.5

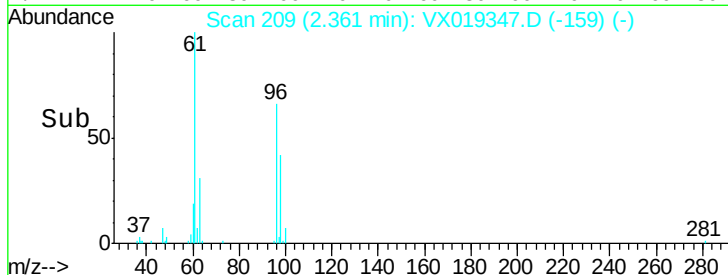
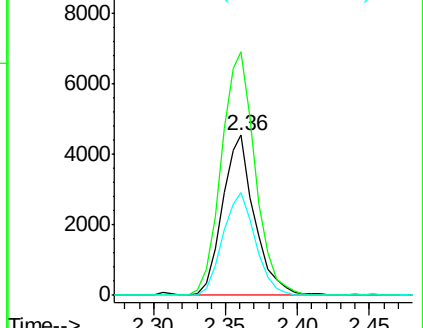
98 64.0 52.1 78.1



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#16

Acetone

Concen: 12.496 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019347.D

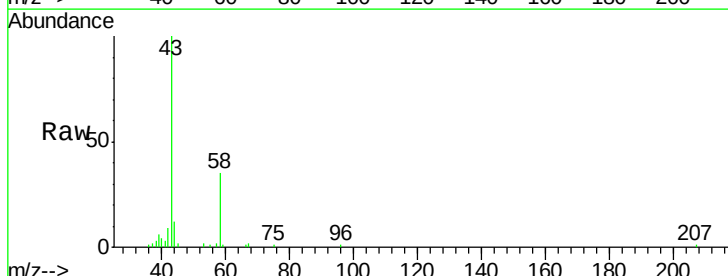
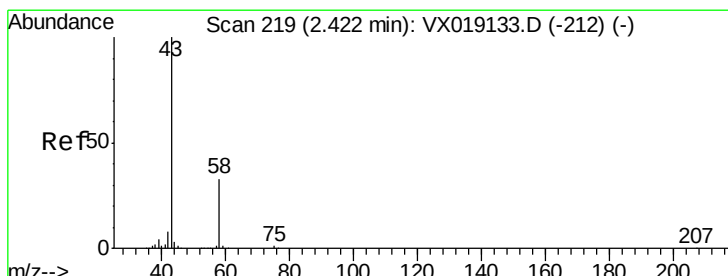
Acq: 06 Nov 2020 17:13

Tgt Ion: 43 Resp: 16381

Ion Ratio Lower Upper

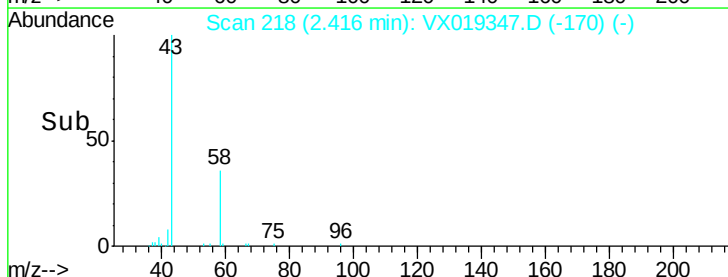
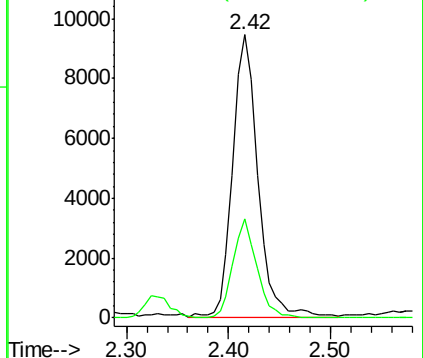
43 100

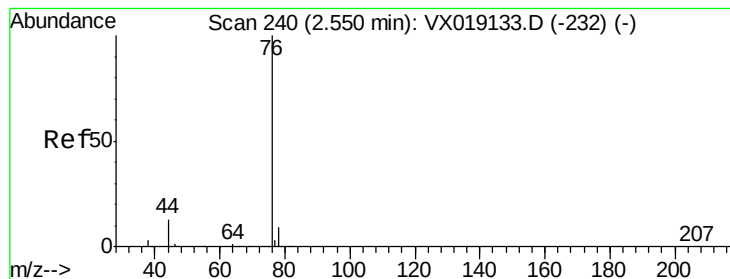
58 34.9 26.3 39.5



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 :

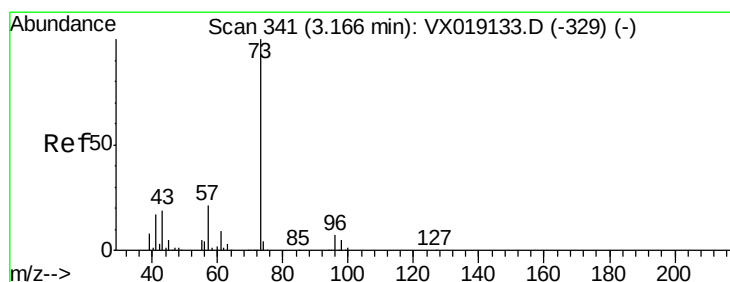
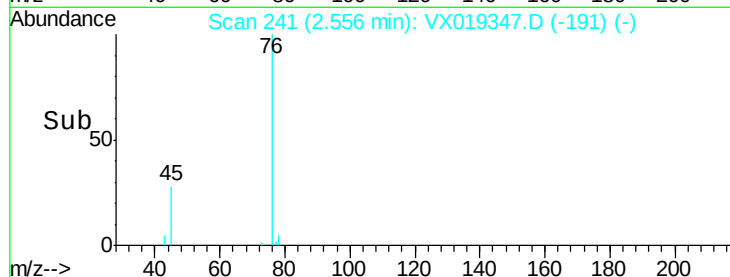
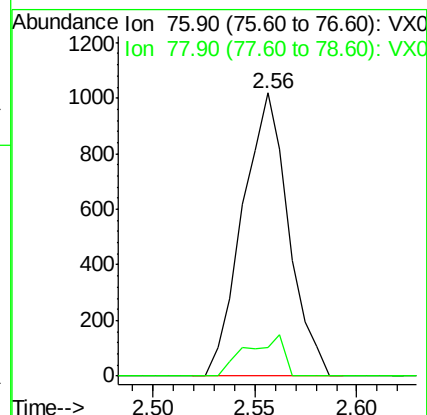
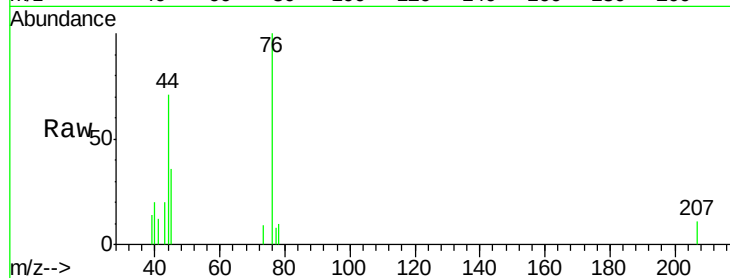
PB-2020-WW-000-03

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

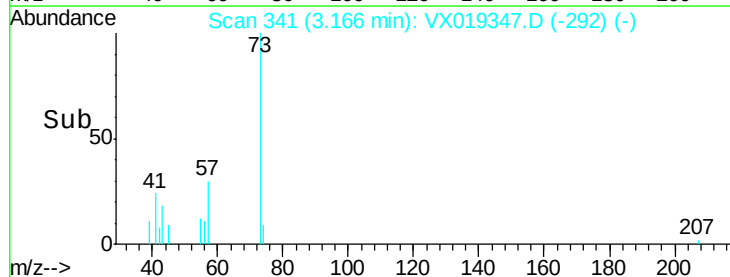
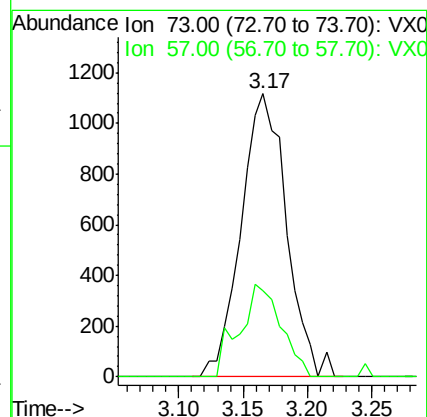
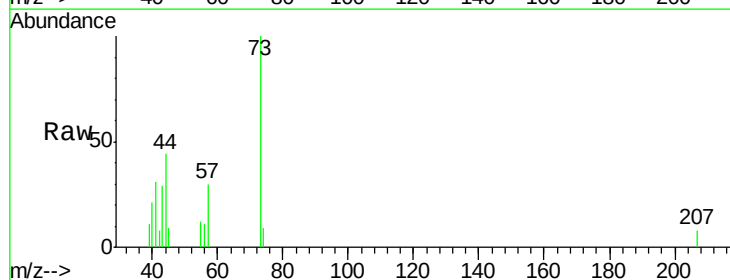
Acq: 06 Nov 2020 17:13

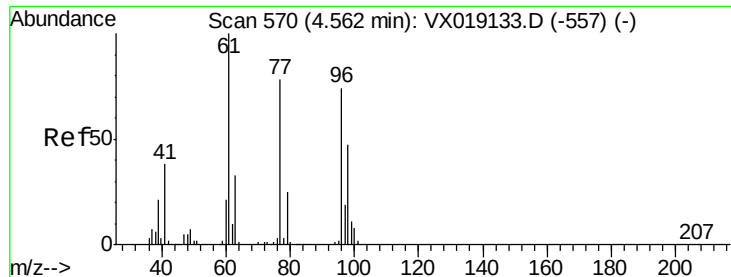
Tgt Ion: 73 Resp: 2723

Ion Ratio Lower Upper

73 100

57 30.4 16.6 25.0#



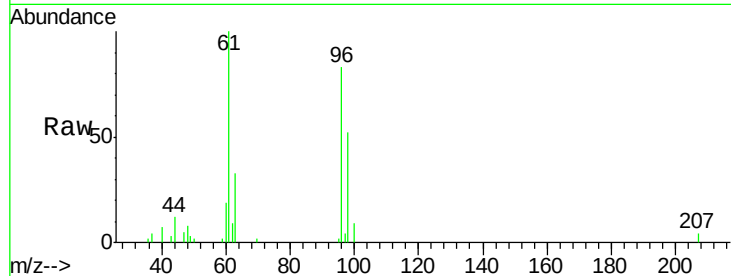


#27

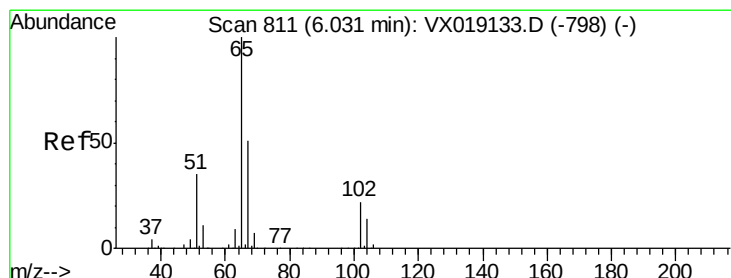
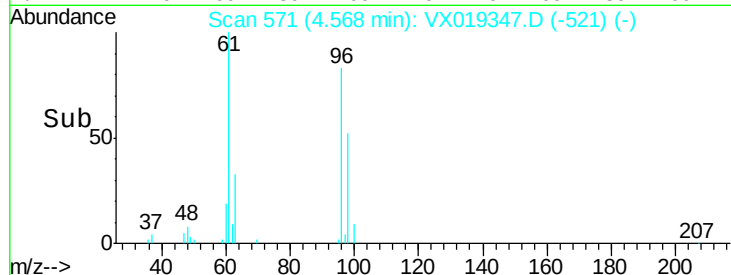
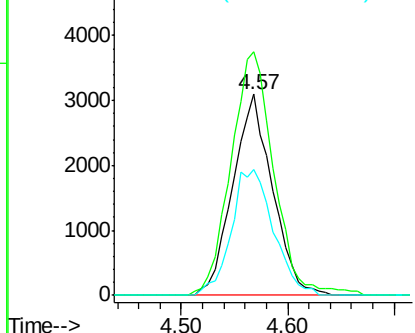
cis-1,2-Dichloroethene
 Concen: 2.205 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX019347.D
 Acq: 06 Nov 2020 17:13

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.9	0.0	278.8
98	66.4	0.0	130.2



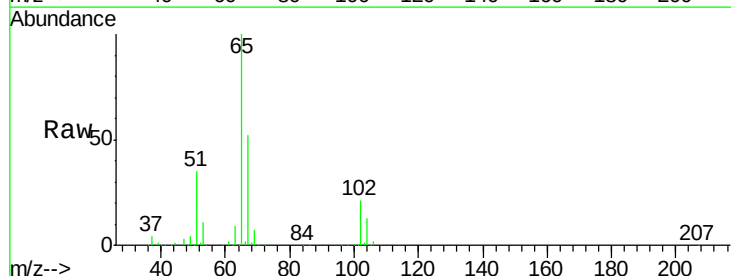
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



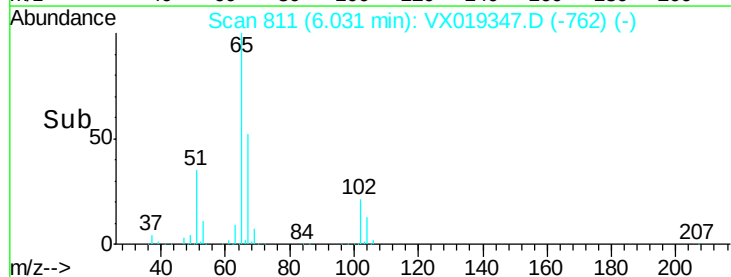
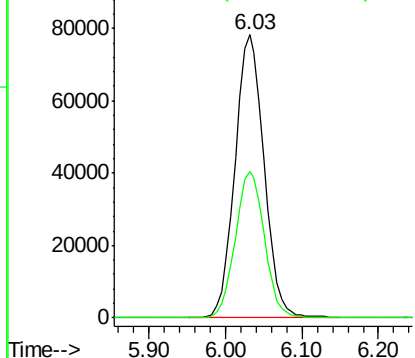
#33

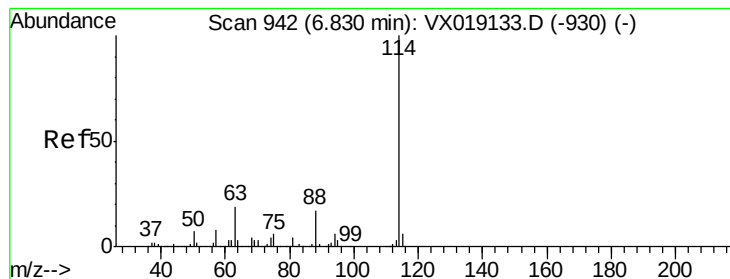
1,2-Dichloroethane-d4
 Concen: 54.109 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019347.D
 Acq: 06 Nov 2020 17:13

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0





#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

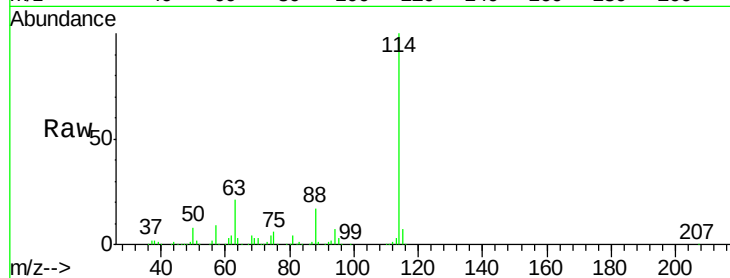
Tot Ion:114 Resp: 512809

Ion Ratio Lower Upper

114 100

63 21.1 0.0 38.8

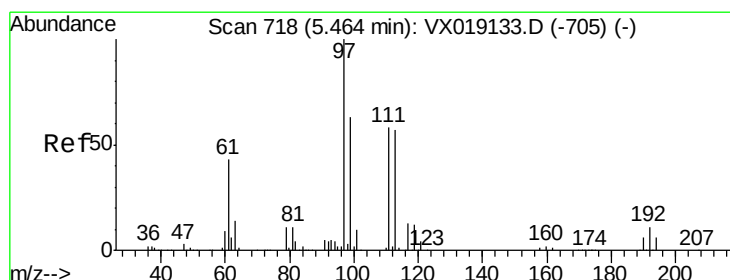
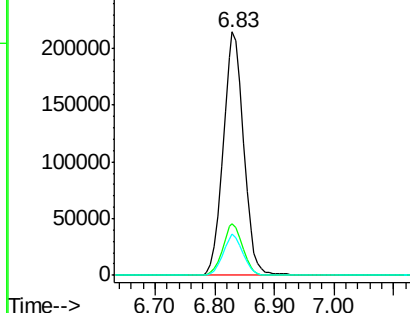
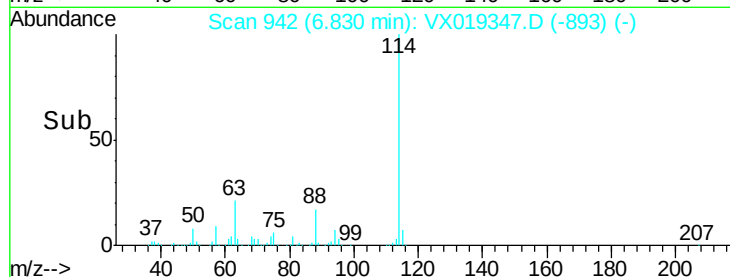
88 16.9 0.0 34.2



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

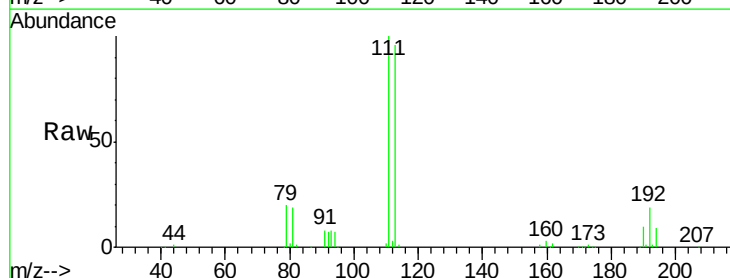
Tgt Ion:113 Resp: 160730

Ion Ratio Lower Upper

113 100

111 102.5 82.3 123.5

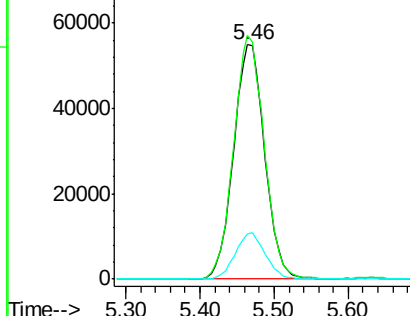
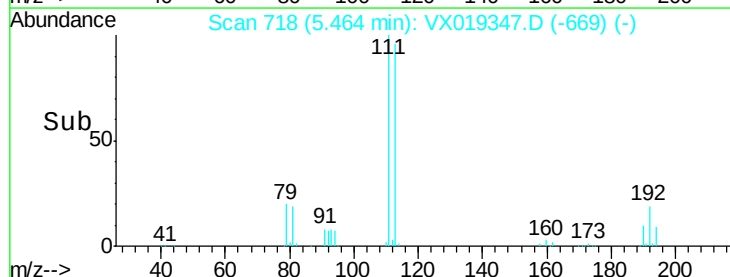
192 19.3 16.2 24.2

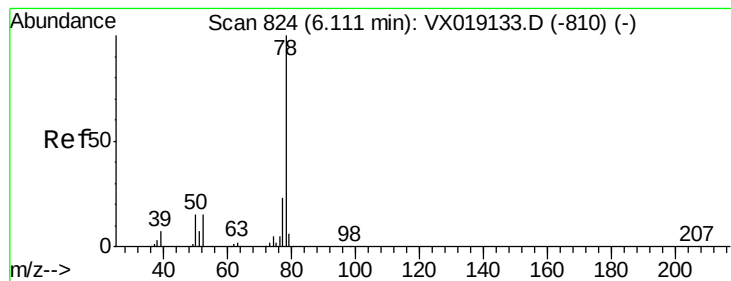


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#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

Instrument :

MSVOA_X

ClientSampleId :

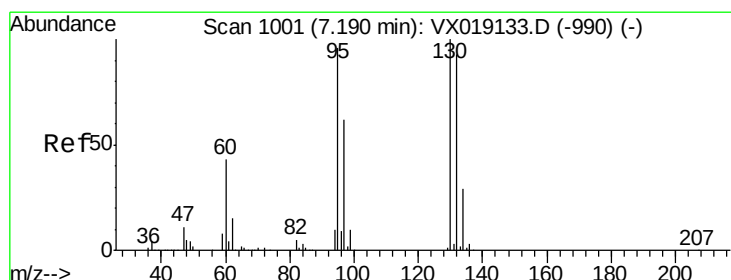
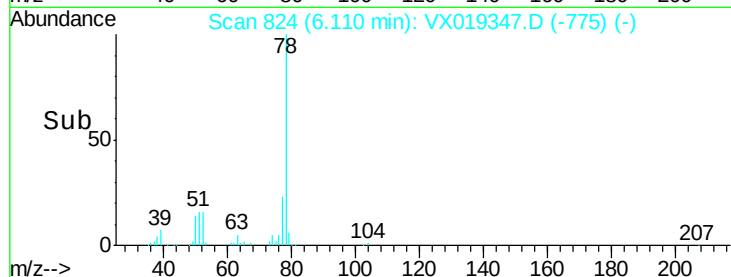
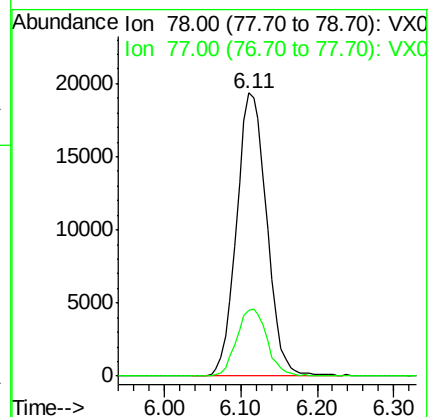
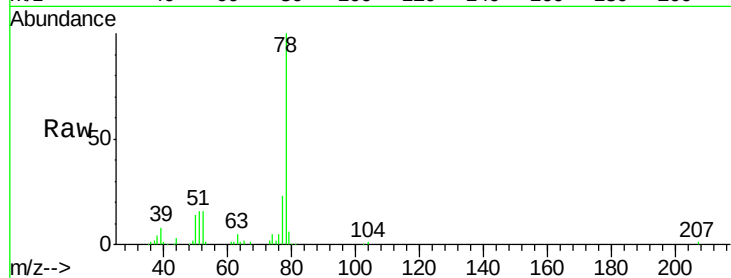
PB-2020-WW-000-03

Tot 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

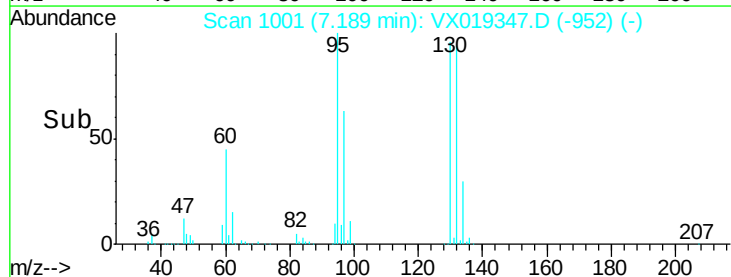
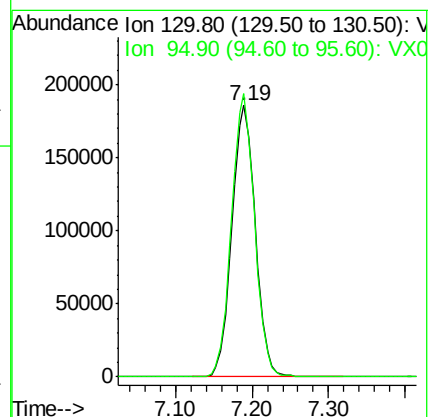
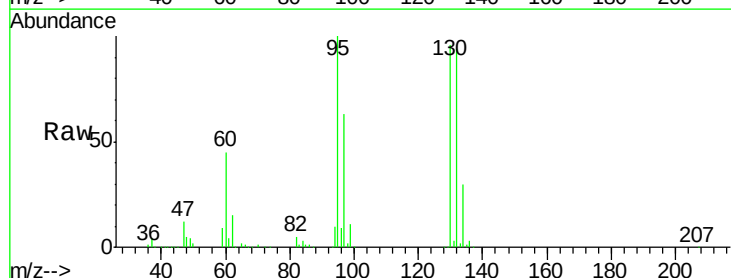
Acq: 06 Nov 2020 17:13

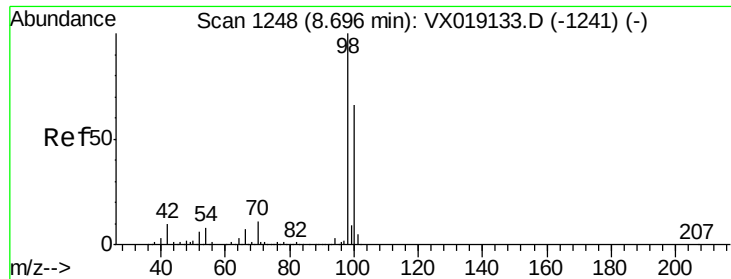
Tgt Ion: 130 Resp: 392631

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

Instrument :

MSVOA_X

ClientSampleId :

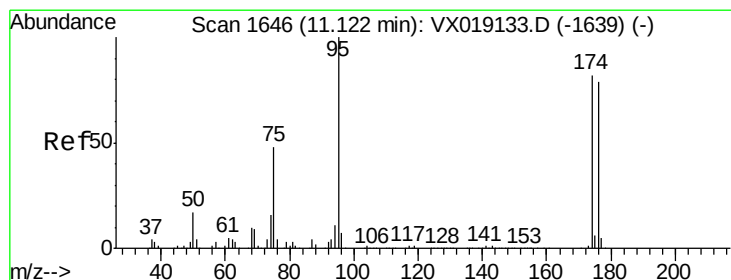
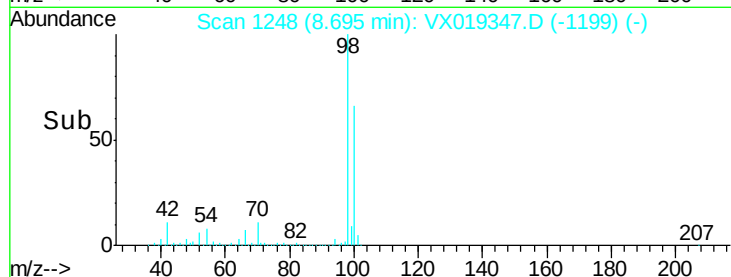
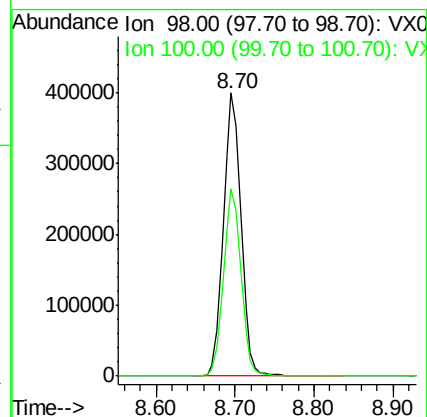
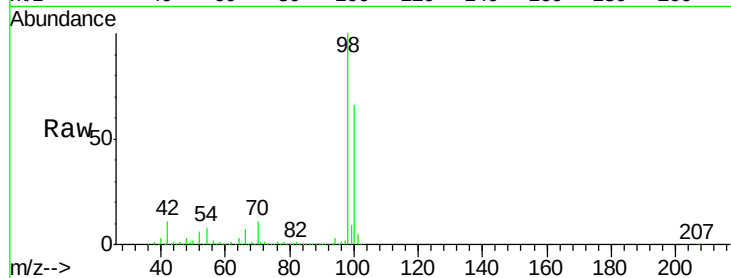
PB-2020-WW-000-03

Tot Ion: 98 Resp: 624376

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.6



#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

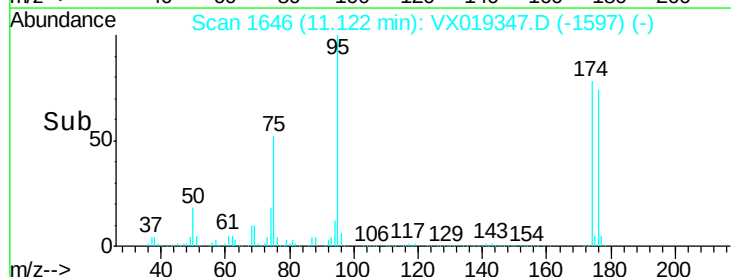
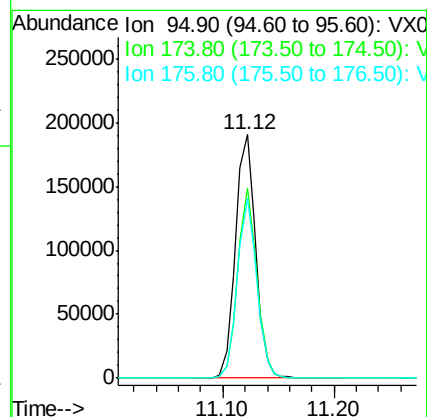
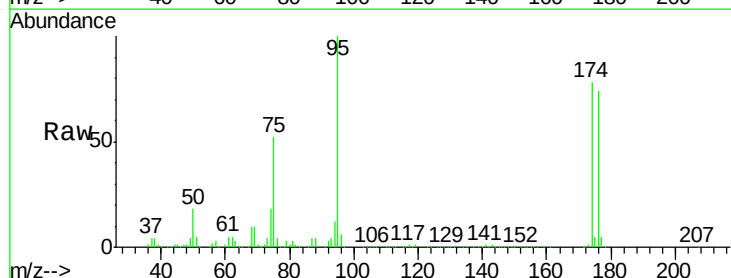
Tgt Ion: 95 Resp: 238645

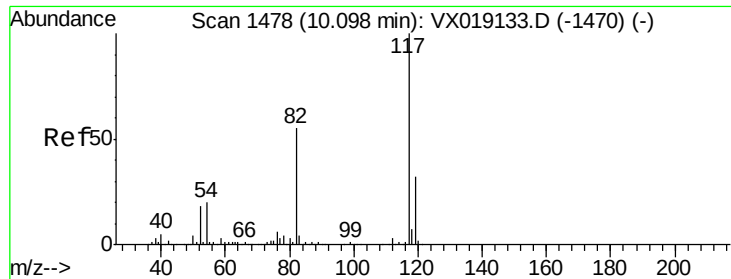
Ion Ratio Lower Upper

95 100

174 74.6 0.0 156.0

176 71.6 0.0 149.8

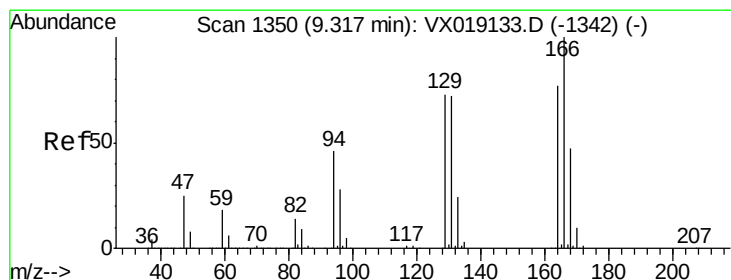
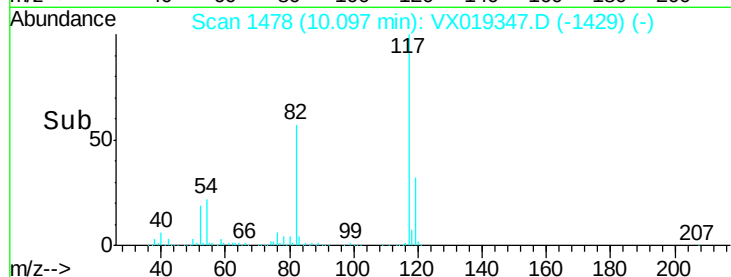
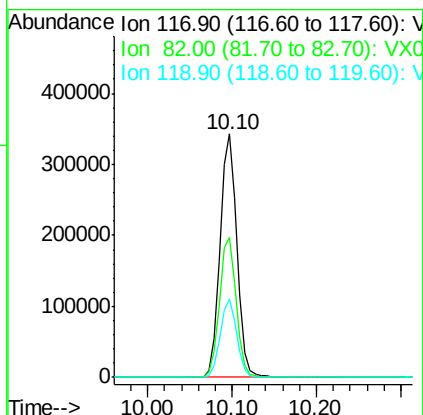
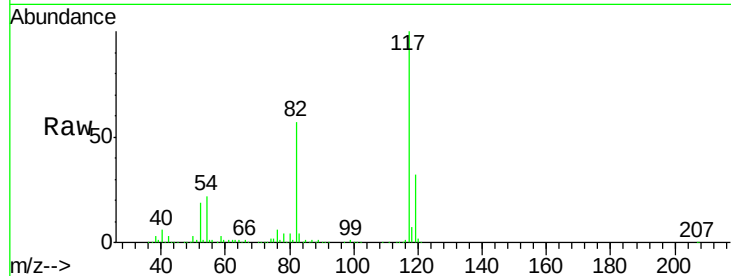




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019347.D
Acq: 06 Nov 2020 17:13

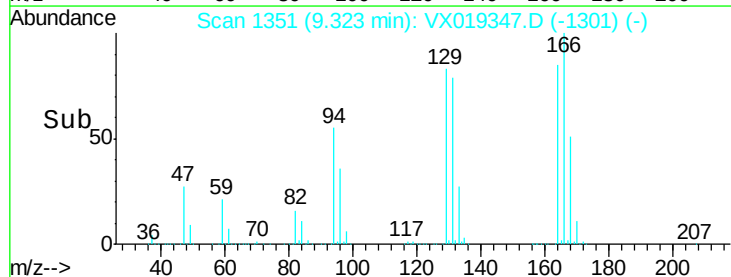
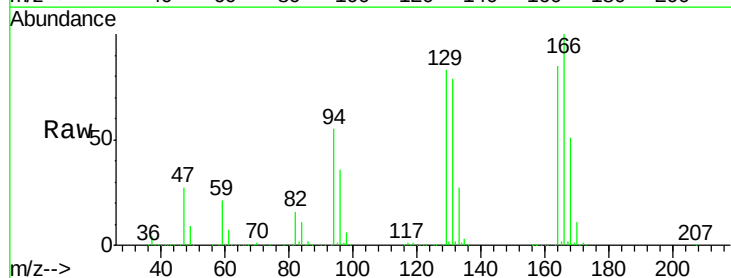
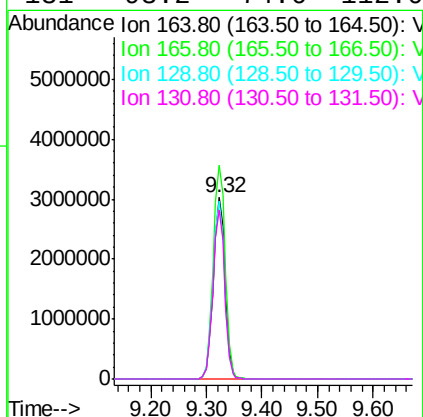
Instrument :
MSVOA_X
ClientSampleId :
PB-2020-WW-000-03

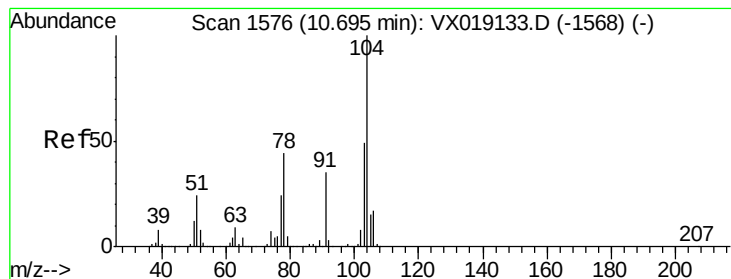
Tot Ion:117 Resp: 475508
Ion Ratio Lower Upper
117 100
82 57.3 43.6 65.4
119 32.2 25.5 38.3



#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

Tgt 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

Stvrene

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

Instrument :

MSVOA_X

ClientSampleId :

PB-2020-WW-000-03

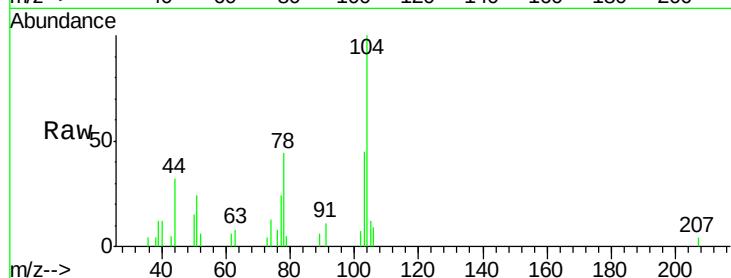
Tot Ion:104 Resp: 2517

Ion Ratio Lower Upper

104 100

78 48.4 40.0 60.0

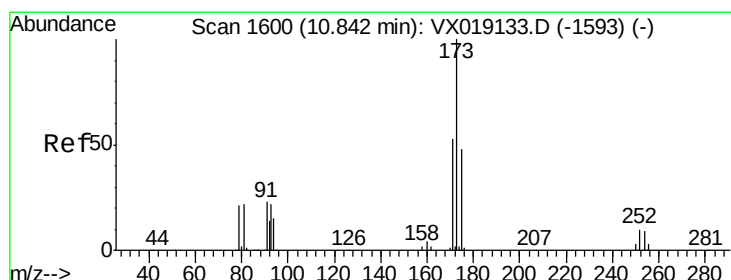
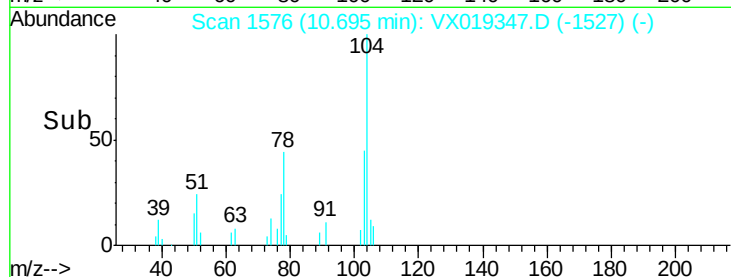
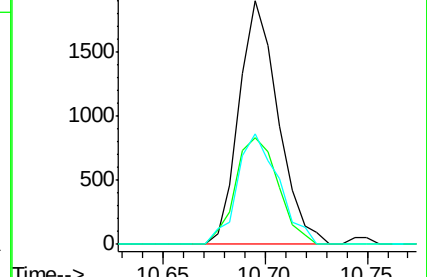
103 48.2 43.5 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#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

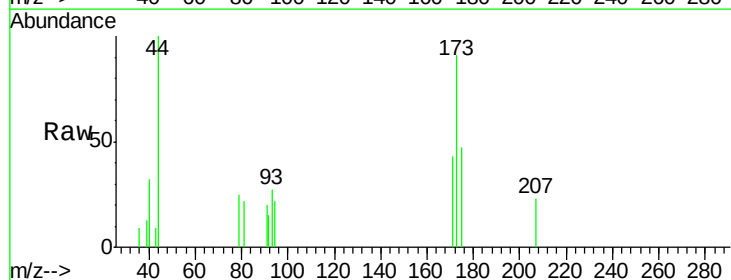
Tgt Ion:173 Resp: 731

Ion Ratio Lower Upper

173 100

175 49.4 24.4 73.4

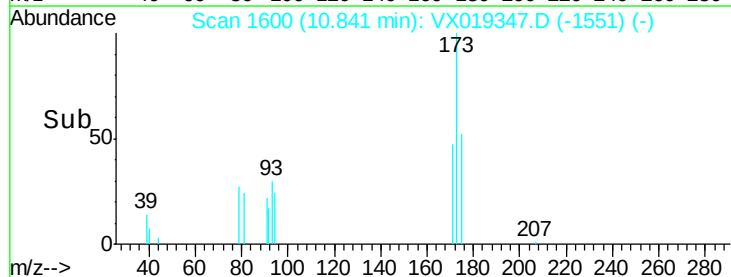
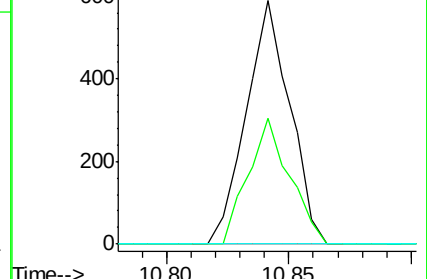
254 0.0 0.1 0.1#

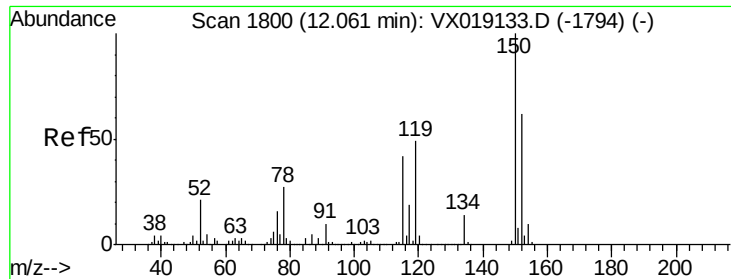


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#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

Instrument :

MSVOA_X

ClientSampleId :

PB-2020-WW-000-03

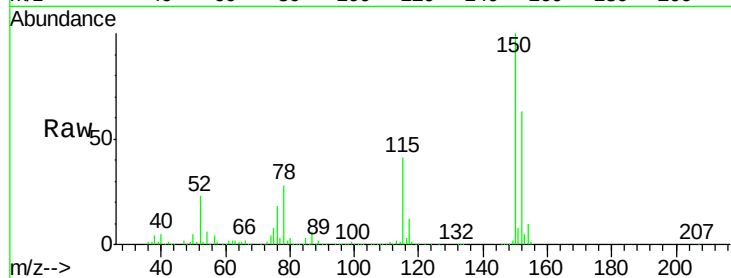
Tot Ion:152 Resp: 233353

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

