

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110720\
 Data File : VX019342.D
 Acq On : 06 Nov 2020 15:21
 Operator : JC/MD
 Sample : L4662-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB178-GW-318-320

Quant Time: Nov 07 01:04:32 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	295730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	522724	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	489479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	244737	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	209012	54.80	ug/l	0.00
Spiked Amount			Recovery	=	109.60%	
35) Dibromofluoromethane	5.46	113	161631	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
50) Toluene-d8	8.70	98	630341	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	11.12	95	246532	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	

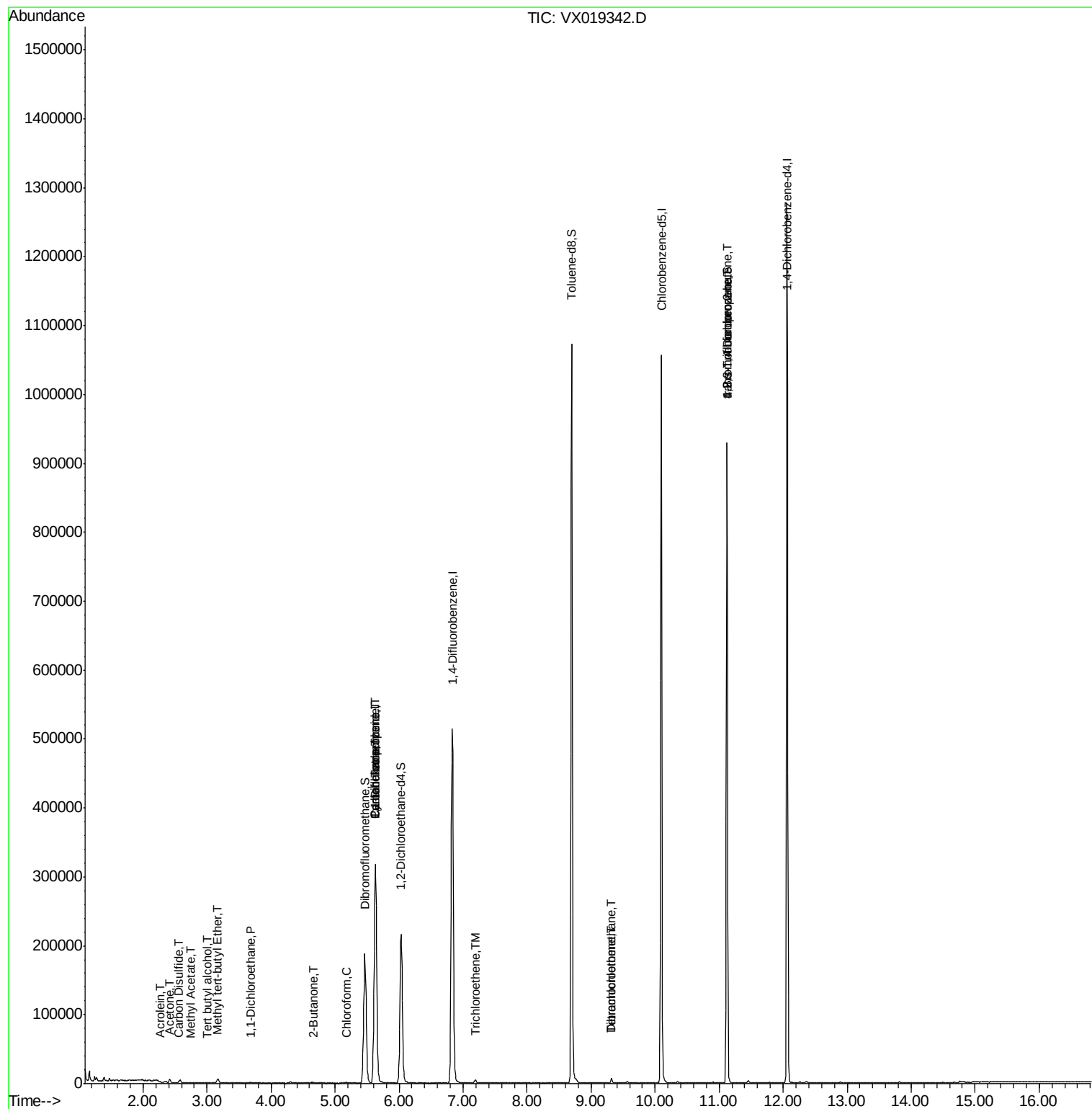
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	221	0.293	ug/l #	72
13) Acrolein	2.27	56	89	5.906	ug/l #	1
16) Acetone	2.42	43	5169	3.929	ug/l	90
17) Carbon Disulfide	2.55	76	589	0.831	ug/l #	75
18) Methyl Acetate	2.75	43	642	0.201	ug/l #	54
19) Methyl tert-butyl Ether	3.17	73	6139	0.618	ug/l #	91
24) 1,1-Dichloroethane	3.67	63	1647	0.305	ug/l #	91
25) 2-Butanone	4.65	43	1161	0.560	ug/l	90
30) Chloroform	5.17	83	1672	0.291	ug/l #	83
31) Cyclohexane	5.62	56	6444	1.337	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	23916	4.955	ug/l #	49
38) Carbon Tetrachloride	5.63	117	31408	6.384	ug/l #	16
44) Trichloroethene	7.19	130	1715	0.438	ug/l	85
60) Dibromochloromethane	9.32	129	1273	0.337	ug/l #	11
64) Tetrachloroethene	9.32	164	1335	0.358	ug/l	89
76) 1,2,3-Trichloropropane	11.12	75	127277	25.187	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	127277	66.317	ug/l #	12

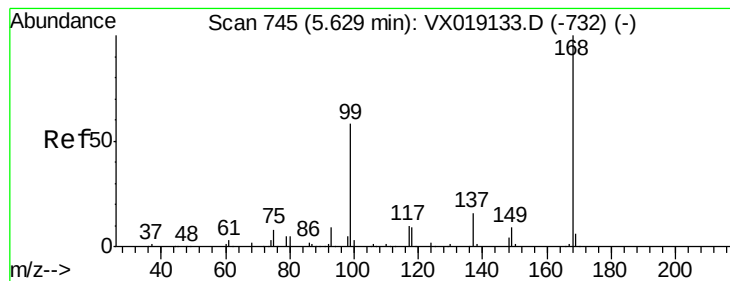
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 745

Delta R.T. 0.00 min

Lab File: VX019342.D

Acq: 06 Nov 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

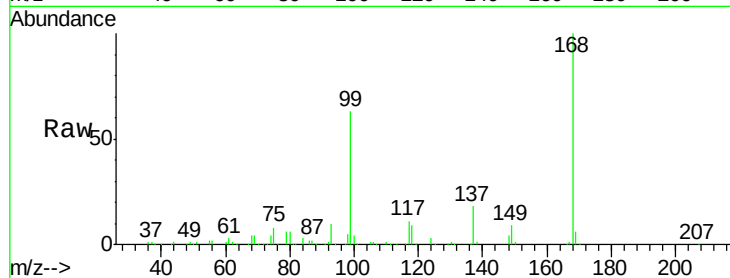
BP-VPB178-GW-318-320

Tot Ion:168 Resp: 295730

Ion Ratio Lower Upper

168 100

99 63.0 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

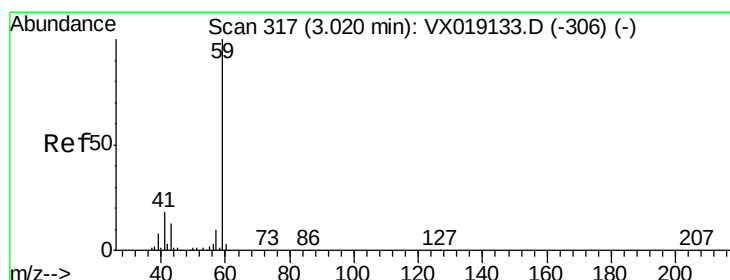
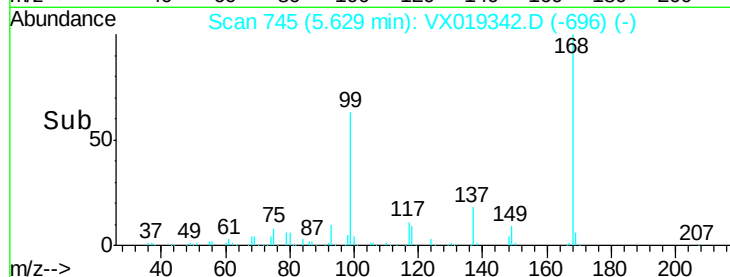
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.293 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX019342.D

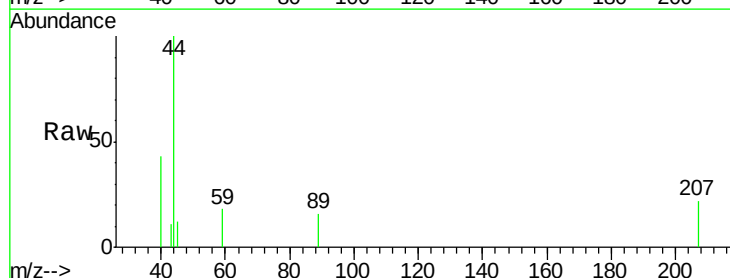
Acq: 06 Nov 2020 15:21

Tgt Ion: 59 Resp: 221

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

120

100

80

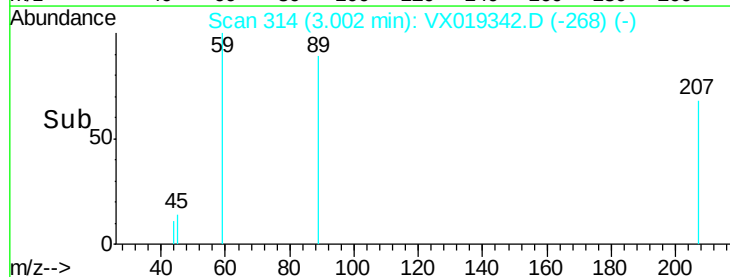
60

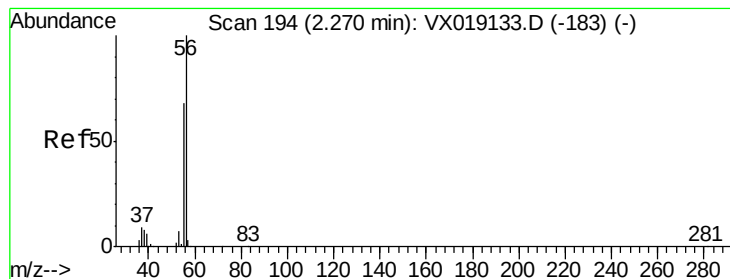
40

20

0

Time-->





#13

Acrolein

Concen: 5.906 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019342.D

Acq: 06 Nov 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

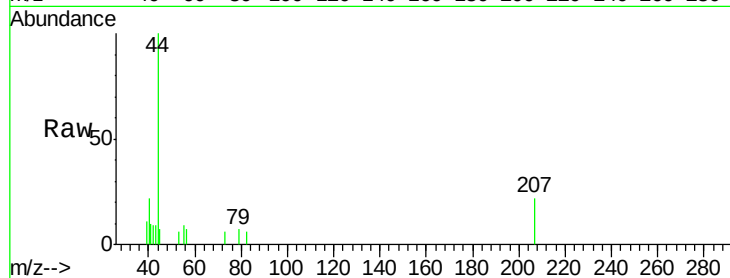
BP-VPB178-GW-318-320

Tot Ion: 56 Resp: 89

Ion Ratio Lower Upper

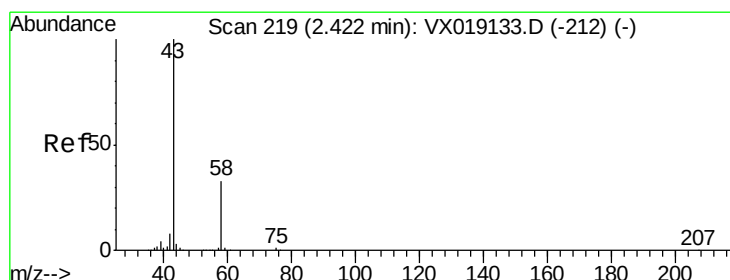
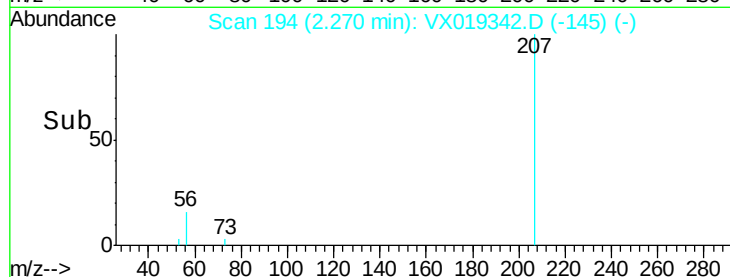
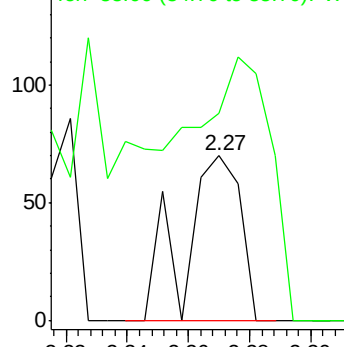
56 100

55 153.9 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: 3.929 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019342.D

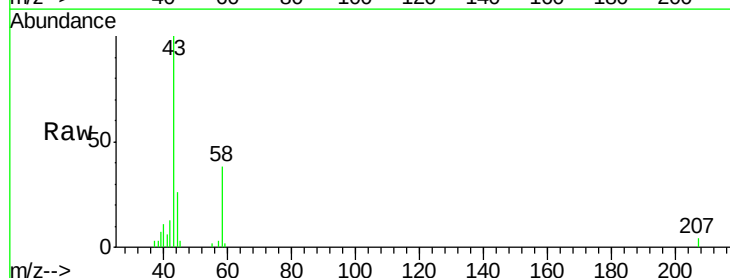
Acq: 06 Nov 2020 15:21

Tgt Ion: 43 Resp: 5169

Ion Ratio Lower Upper

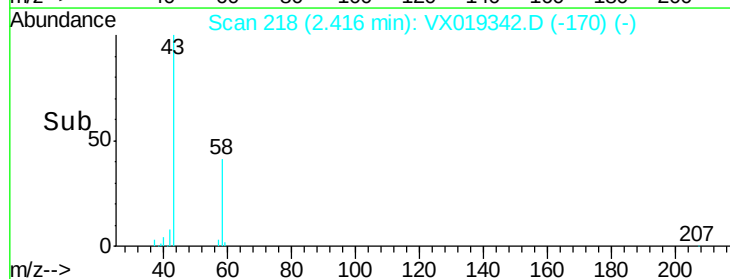
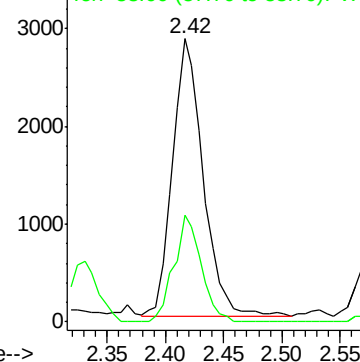
43 100

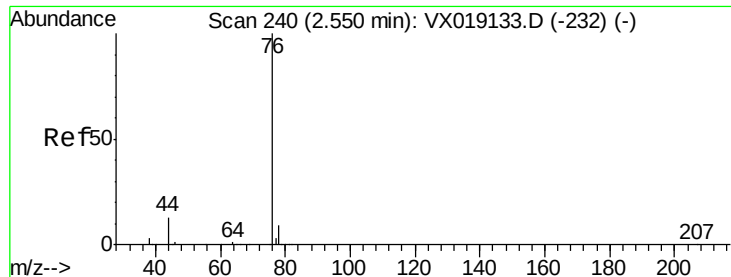
58 38.3 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.831 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019342.D

Acq: 06 Nov 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

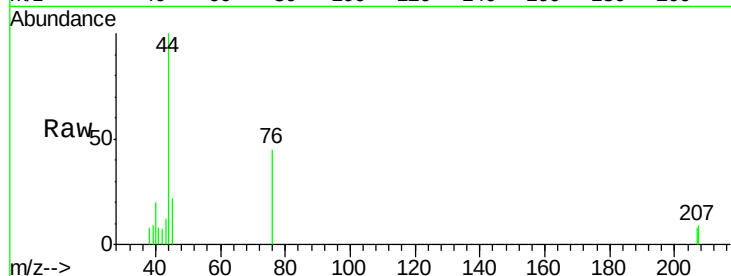
BP-VPB178-GW-318-320

Tot Ion: 76 Resp: 589

Ion Ratio Lower Upper

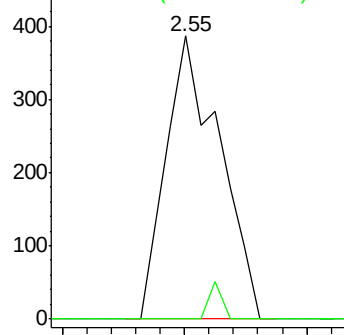
76 100

78 0.0 7.3 10.9#

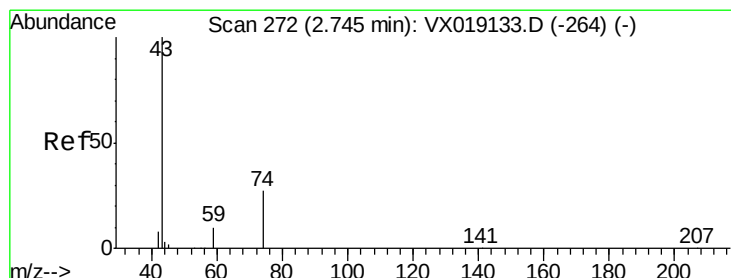
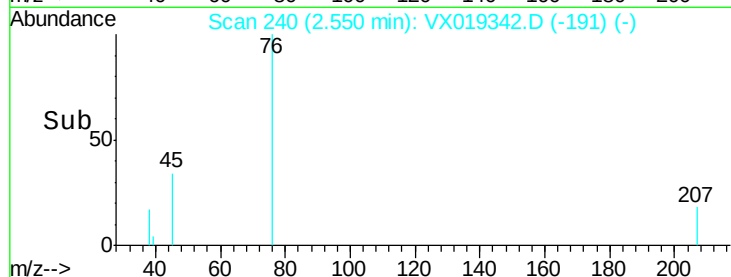


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time--> 2.50 2.55 2.60



#18

Methyl Acetate

Concen: 0.201 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019342.D

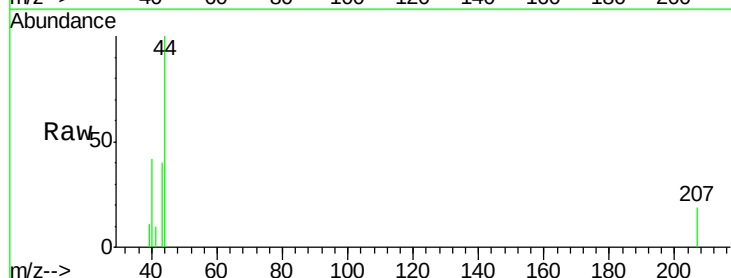
Acq: 06 Nov 2020 15:21

Tgt Ion: 43 Resp: 642

Ion Ratio Lower Upper

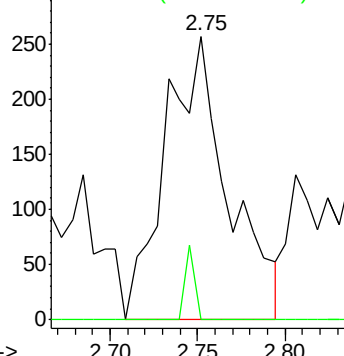
43 100

74 3.9 22.6 33.8#

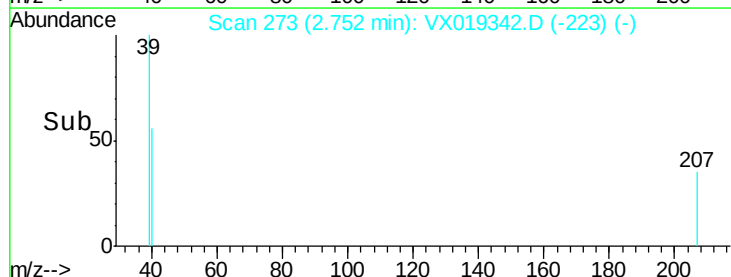


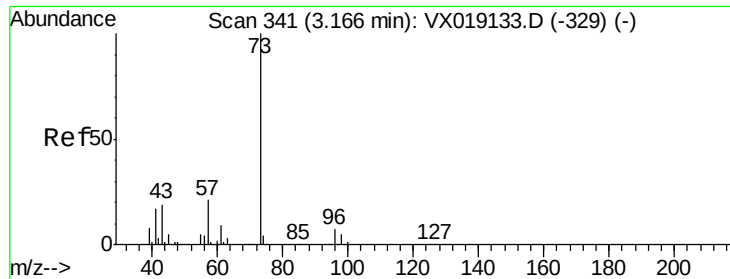
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time--> 2.70 2.75 2.80



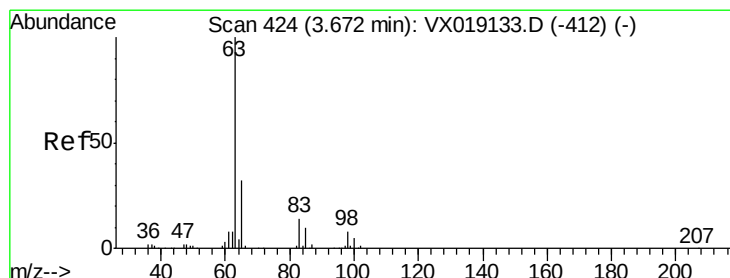
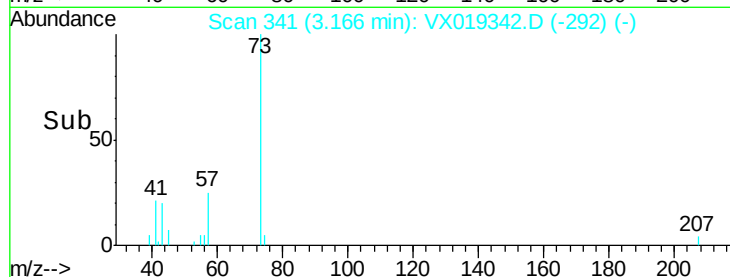
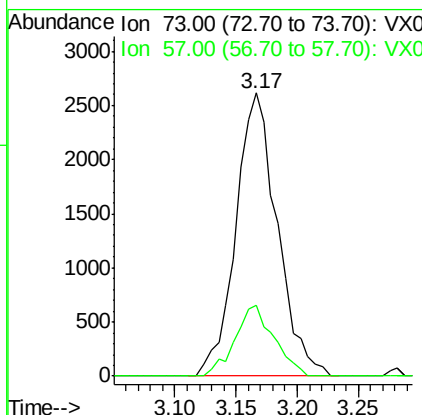
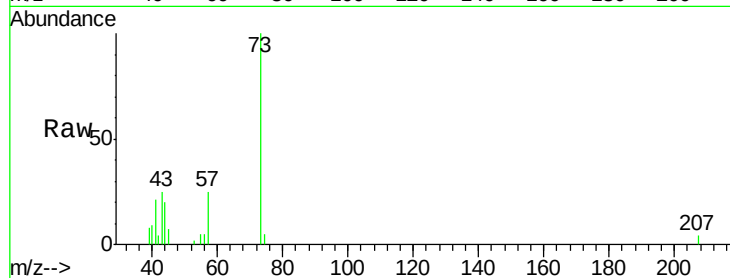


#19

Methyl tert-butyl Ether
 Concen: 0.618 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX019342.D
 Acq: 06 Nov 2020 15:21

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB178-GW-318-320

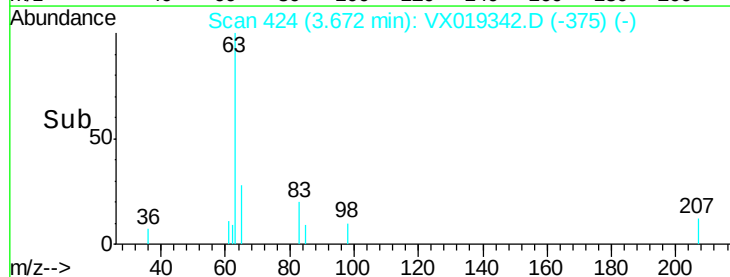
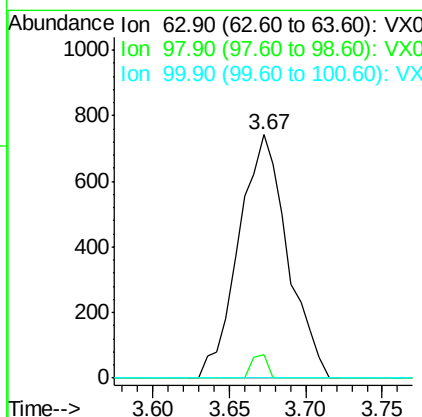
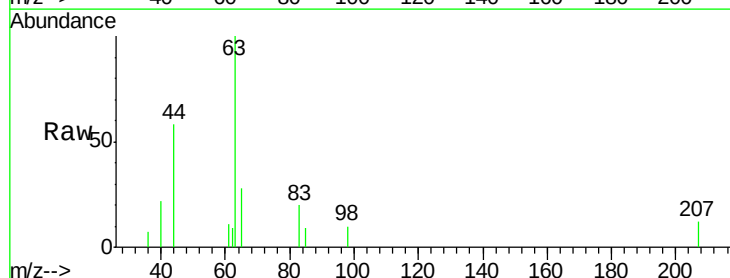
Tot Ion: 73 Resp: 6139
 Ion Ratio Lower Upper
 73 100
 57 25.1 16.6 25.0#

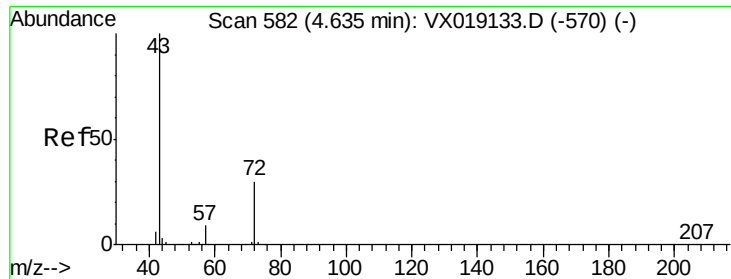


#24

1,1-Dichloroethane
 Concen: 0.305 ug/l
 RT: 3.67 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VX019342.D
 Acq: 06 Nov 2020 15:21

Tgt Ion: 63 Resp: 1647
 Ion Ratio Lower Upper
 63 100
 98 9.7 3.8 11.4
 100 0.0 2.4 7.2#





#25

2-Butanone

Concen: 0.560 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX019342.D

Acq: 06 Nov 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

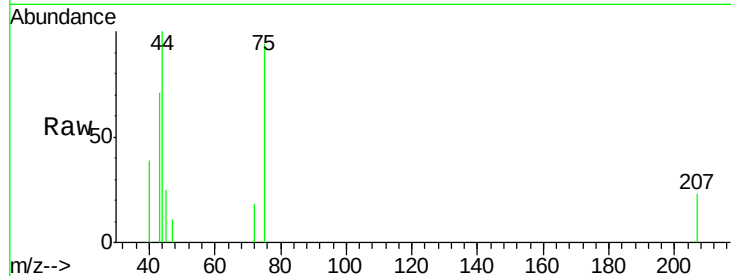
BP-VPB178-GW-318-320

Tot Ion: 43 Resp: 1161

Ion Ratio Lower Upper

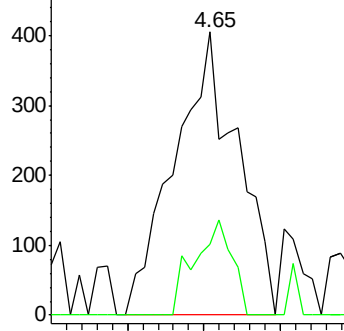
43 100

72 25.2 24.6 36.8

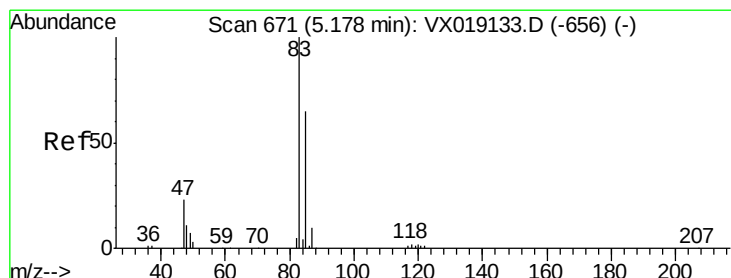
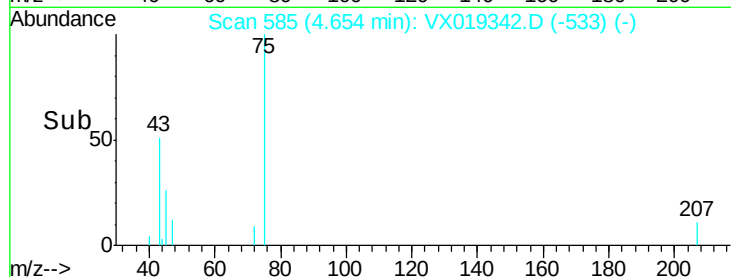


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#30

Chloroform

Concen: 0.291 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX019342.D

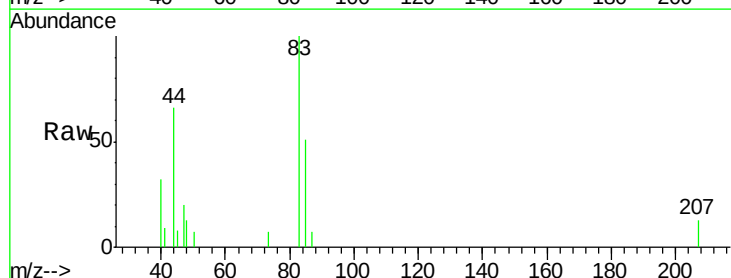
Acq: 06 Nov 2020 15:21

Tgt Ion: 83 Resp: 1672

Ion Ratio Lower Upper

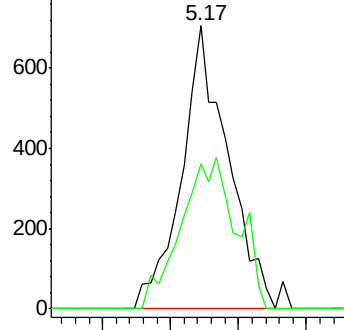
83 100

85 51.5 51.9 77.9#

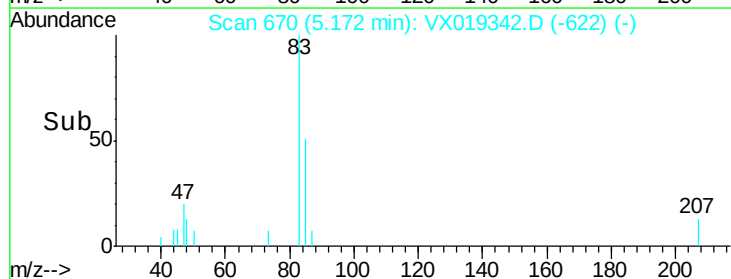


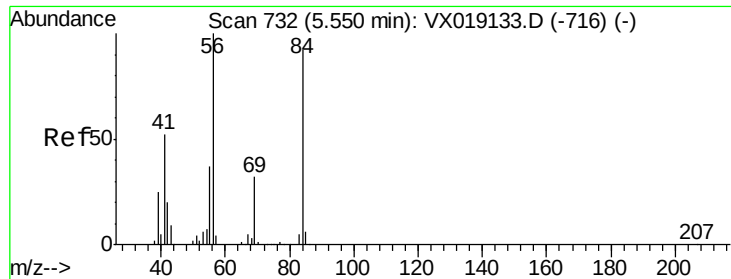
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



Time-->

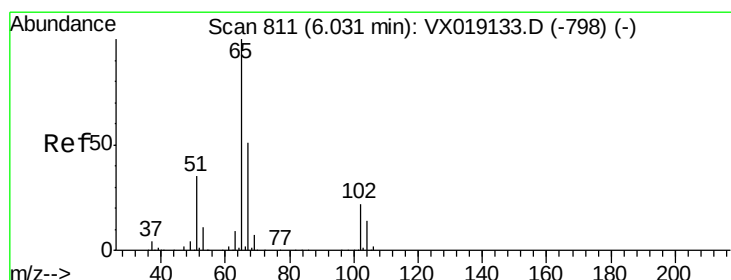
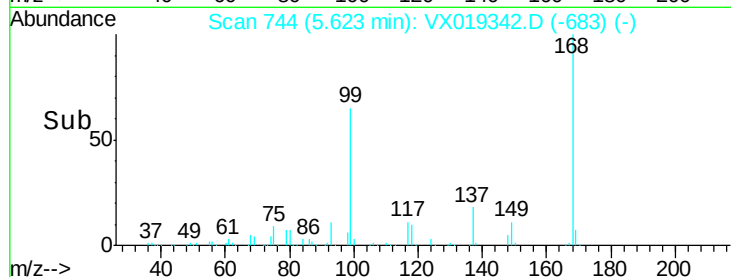
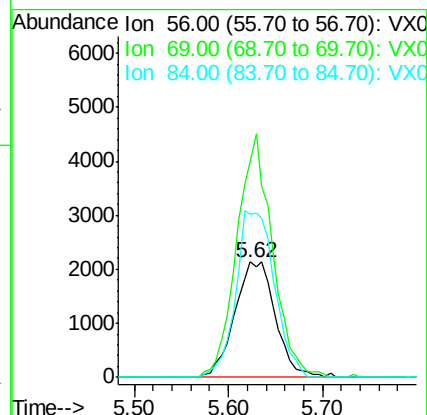
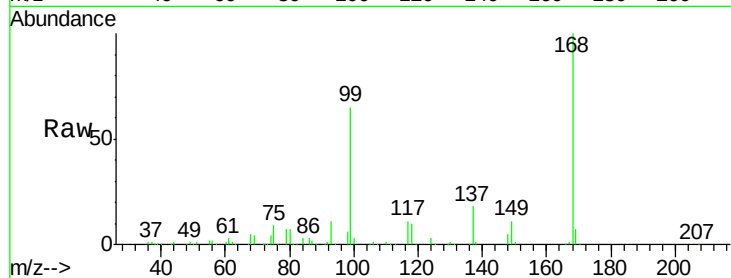




#31
Cyclohexane
Concen: 1.337 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX019342.D
Acq: 06 Nov 2020 15:21

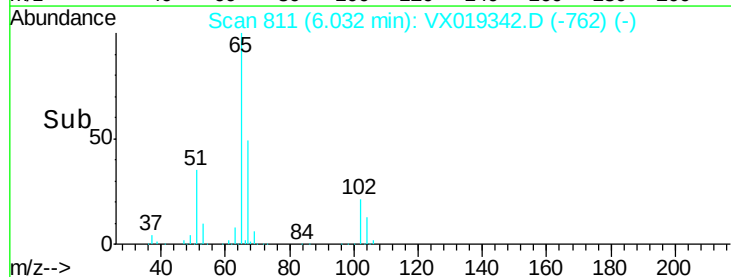
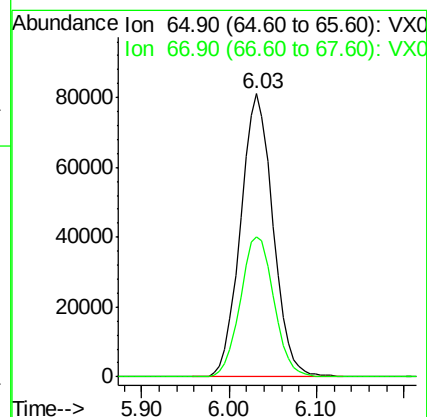
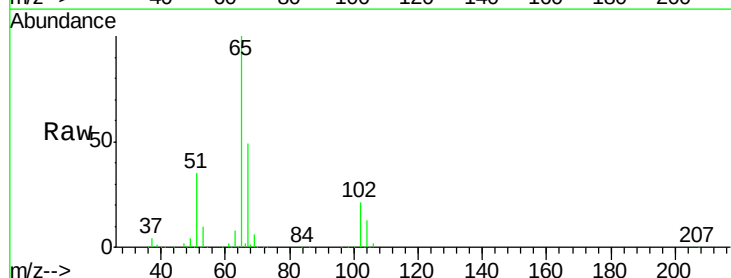
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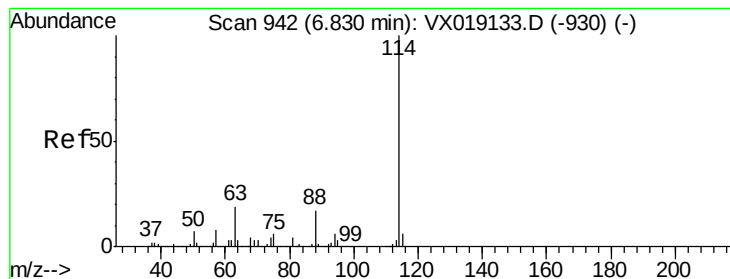
Tot Ion: 56 Resp: 6444
Ion Ratio Lower Upper
56 100
69 186.1 25.9 38.9#
84 141.4 73.4 110.2#



#33
1,2-Dichloroethane-d4
Concen: 54.804 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX019342.D
Acq: 06 Nov 2020 15:21

Tgt Ion: 65 Resp: 209012
Ion Ratio Lower Upper
65 100
67 51.2 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: VX019342.D

Acq: 06 Nov 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-318-320

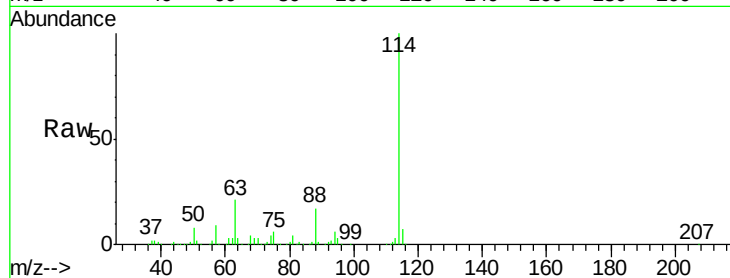
Tot Ion:114 Resp: 522724

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.8

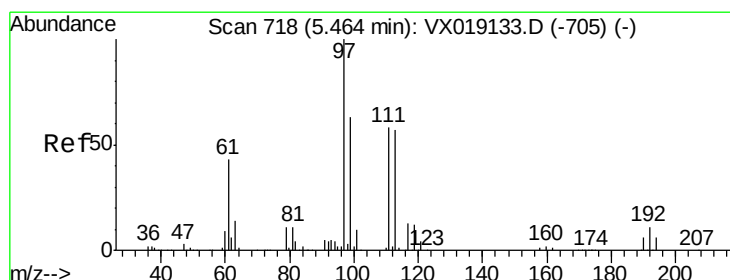
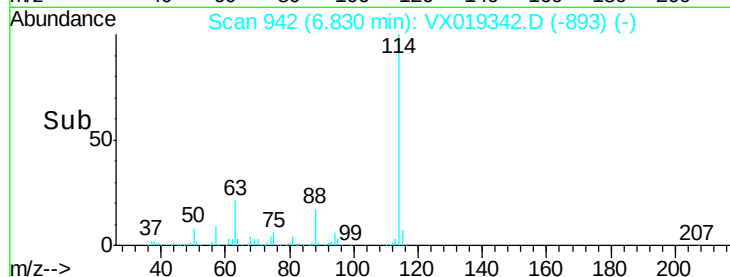
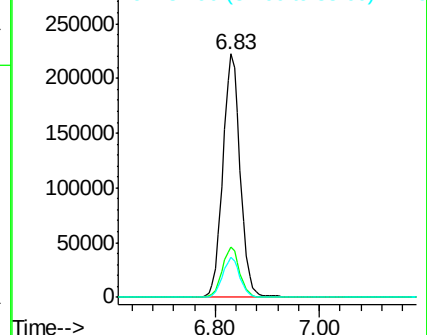
88 16.7 0.0 34.2



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: 49.226 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019342.D

Acq: 06 Nov 2020 15:21

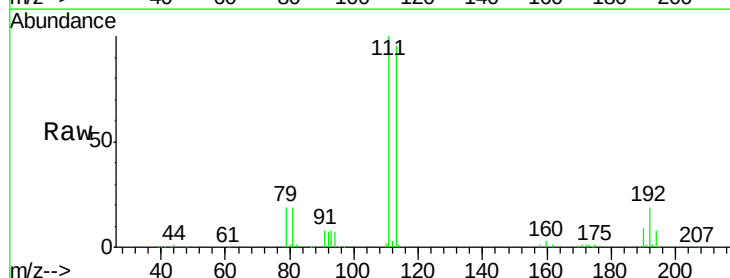
Tgt Ion:113 Resp: 161631

Ion Ratio Lower Upper

113 100

111 103.3 82.3 123.5

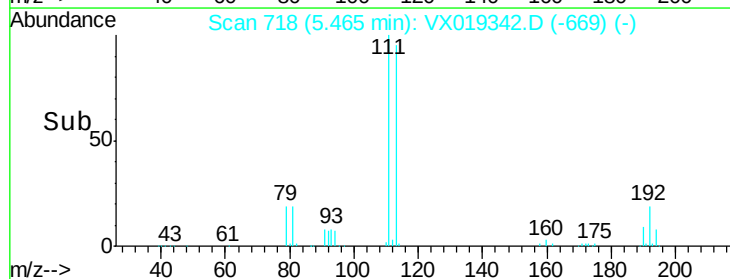
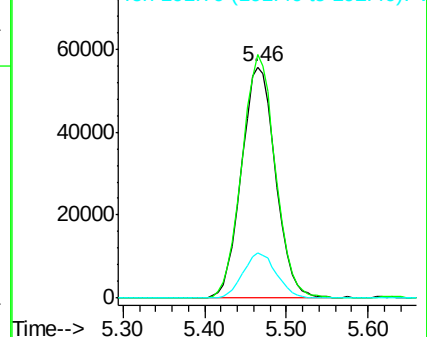
192 19.4 16.2 24.2

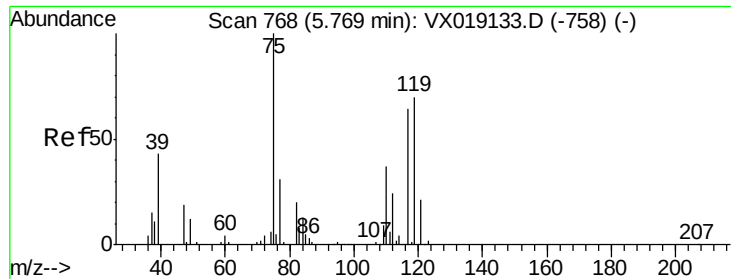


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

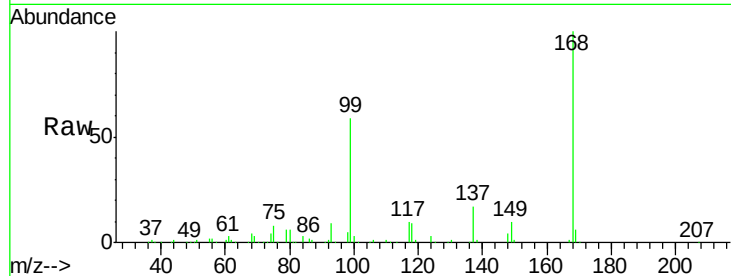




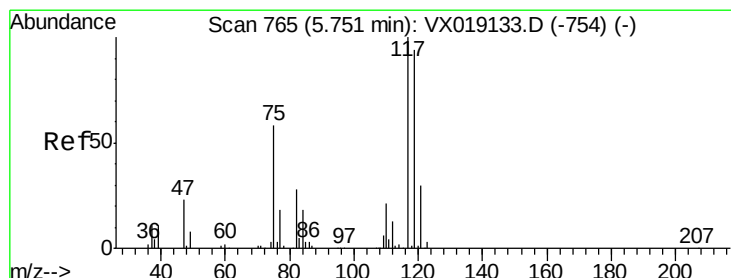
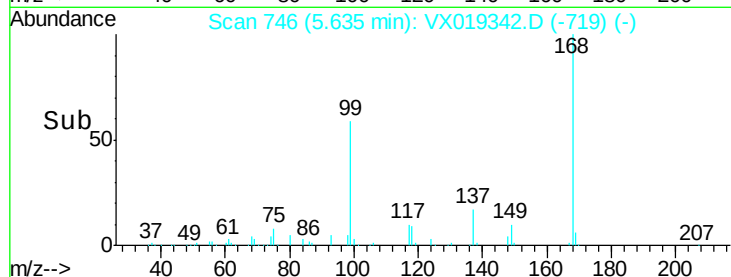
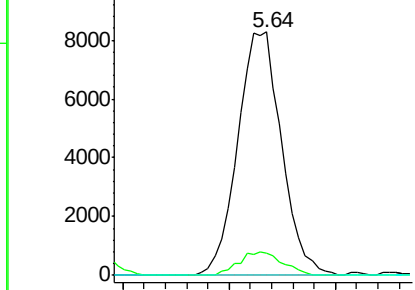
#36
 1,1-Dichloropropene
 Concen: 4.955 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX019342.D
 Acq: 06 Nov 2020 15:21

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB178-GW-318-320

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.3	54.9#
77	0.0	24.9	37.3#

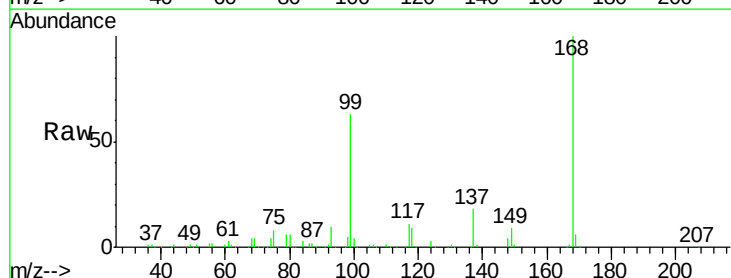


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

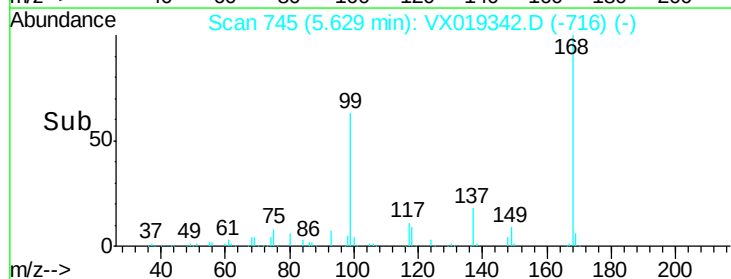
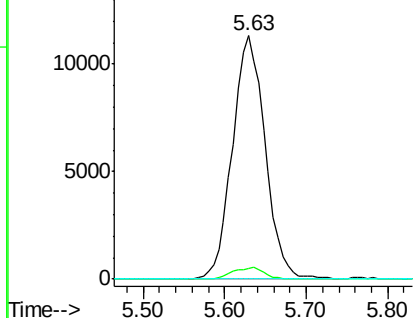


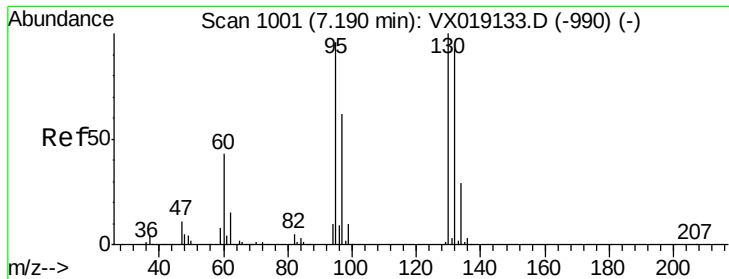
#38
 Carbon Tetrachloride
 Concen: 6.384 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019342.D
 Acq: 06 Nov 2020 15:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	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





#44

Trichloroethene

Concen: 0.438 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX019342.D

Acq: 06 Nov 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

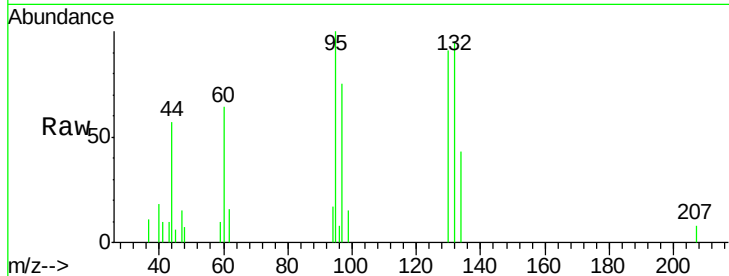
BP-VPB178-GW-318-320

Tot Ion:130 Resp: 1715

Ion Ratio Lower Upper

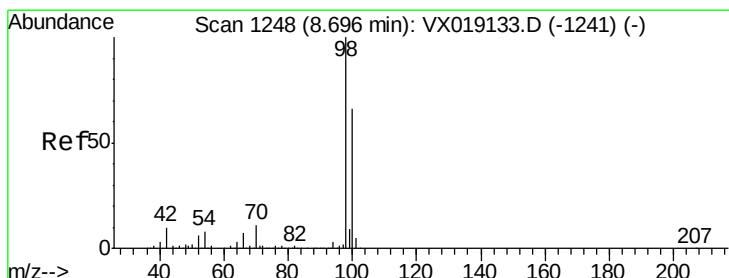
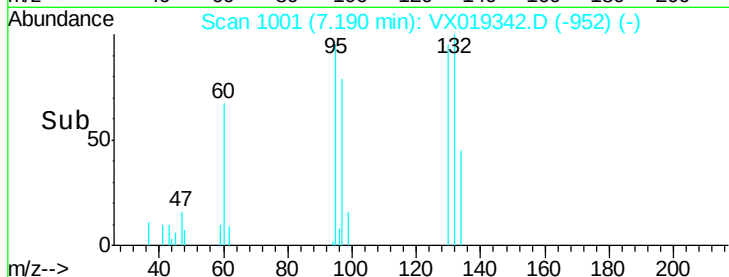
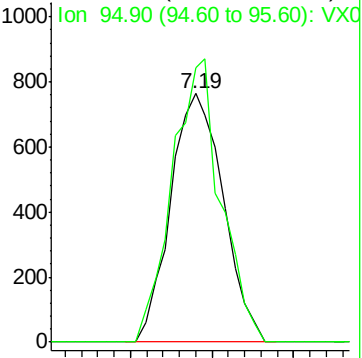
130 100

95 110.3 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.927 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019342.D

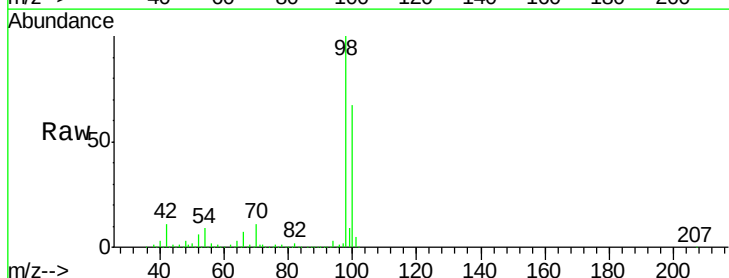
Acq: 06 Nov 2020 15:21

Tgt Ion: 98 Resp: 630341

Ion Ratio Lower Upper

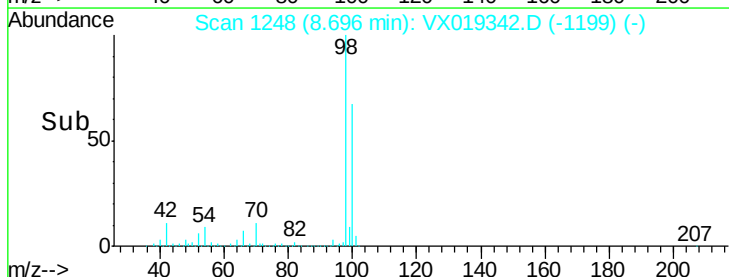
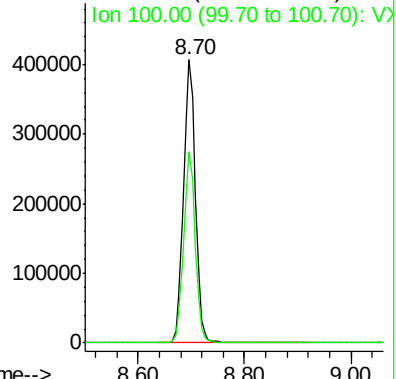
98 100

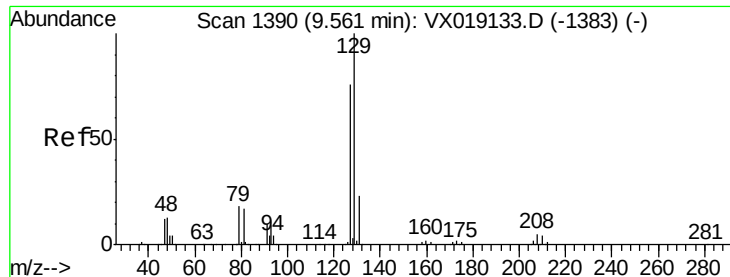
100 66.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 0.337 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.24 min

Lab File: VX019342.D

Acq: 06 Nov 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

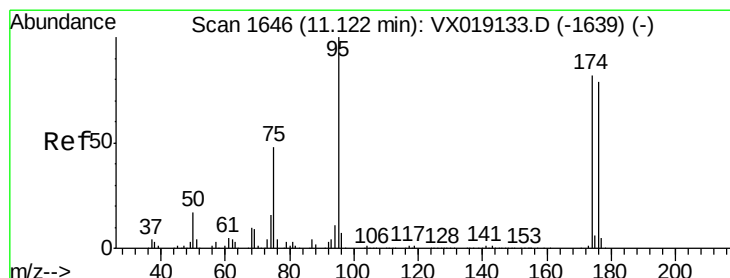
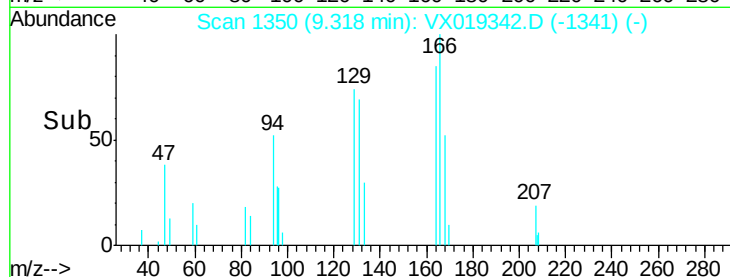
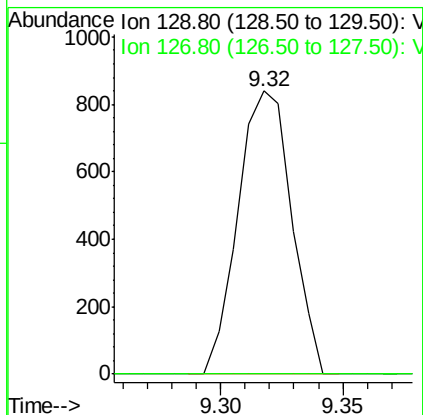
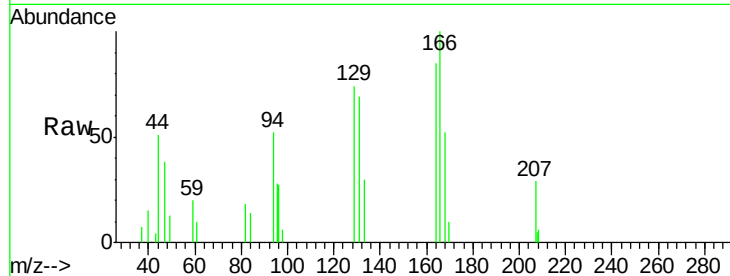
BP-VPB178-GW-318-320

Tot Ion:129 Resp: 1273

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#



#62

4-Bromofluorobenzene

Concen: 52.595 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019342.D

Acq: 06 Nov 2020 15:21

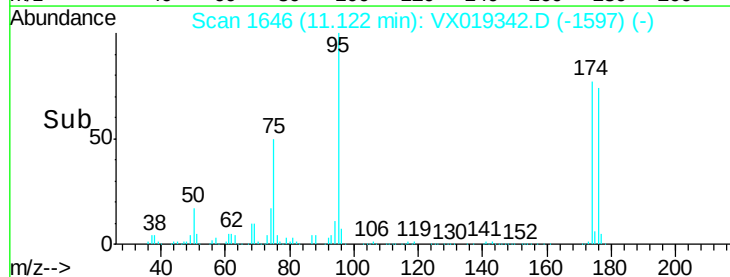
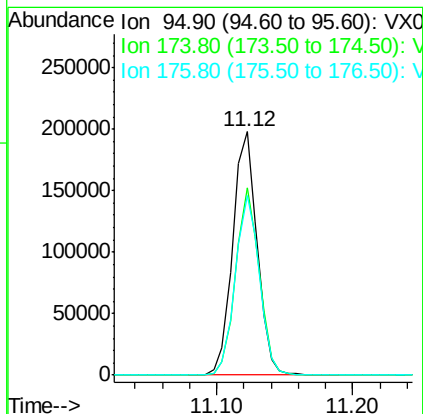
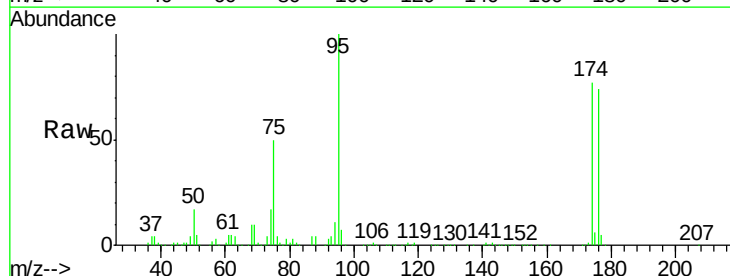
Tgt Ion: 95 Resp: 246532

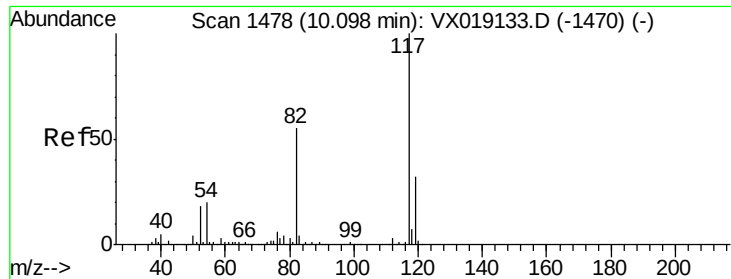
Ion Ratio Lower Upper

95 100

174 74.8 0.0 156.0

176 73.3 0.0 149.8

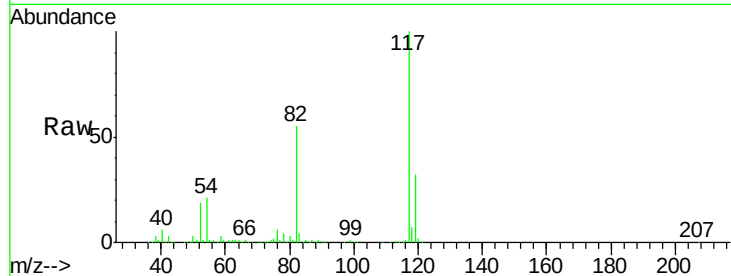




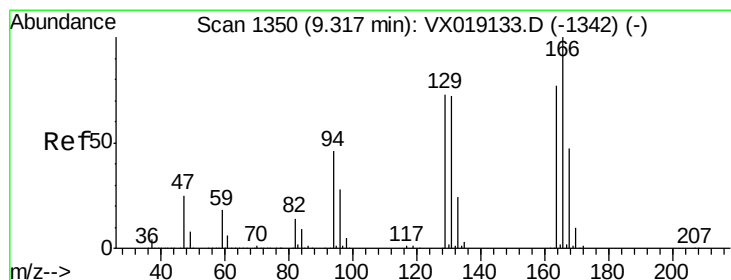
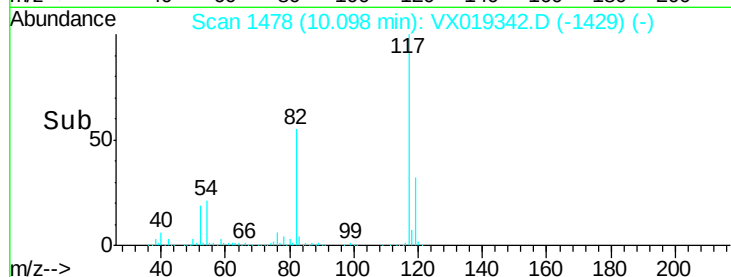
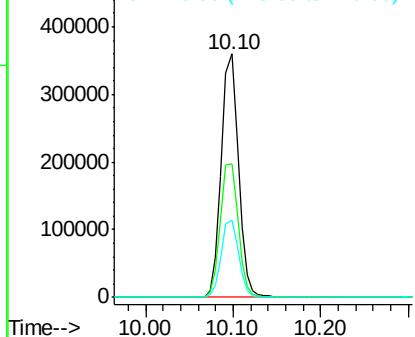
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019342.D
Acq: 06 Nov 2020 15:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-318-320

Tot Ion:117 Resp: 489479
Ion Ratio Lower Upper
117 100
82 55.1 43.6 65.4
119 31.7 25.5 38.3

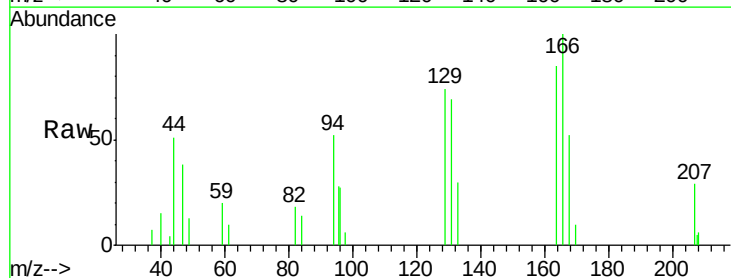


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

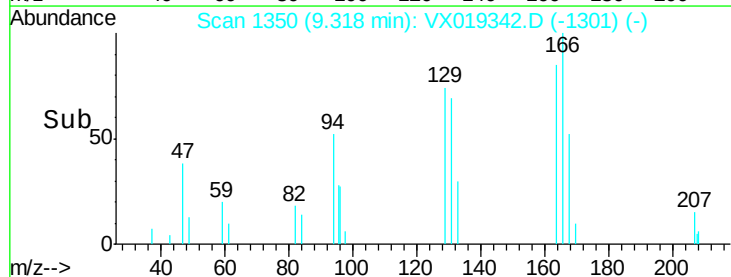
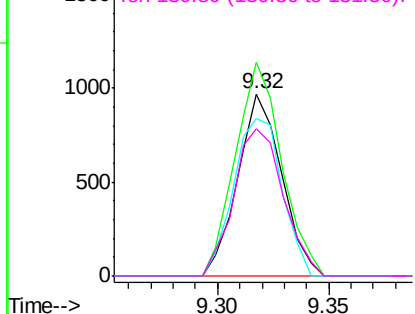


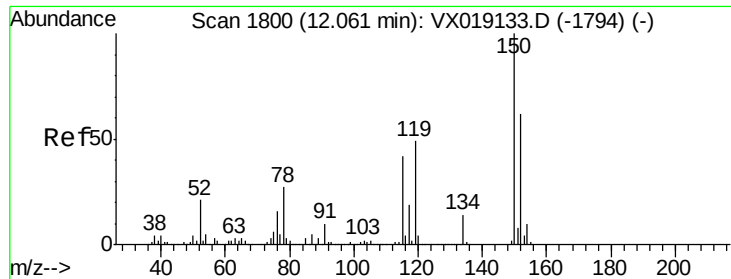
#64
Tetrachloroethene
Concen: 0.358 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX019342.D
Acq: 06 Nov 2020 15:21

Tgt Ion:164 Resp: 1335
Ion Ratio Lower Upper
164 100
166 117.1 104.1 156.1
129 86.4 76.2 114.4
131 80.4 74.6 112.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019342.D

Acq: 06 Nov 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-318-320

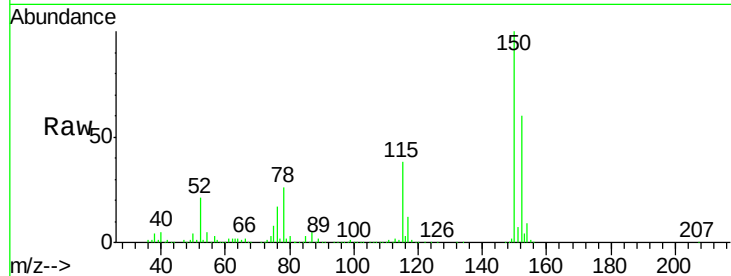
Tot Ion:152 Resp: 244737

Ion Ratio Lower Upper

152 100

115 61.7 41.9 125.7

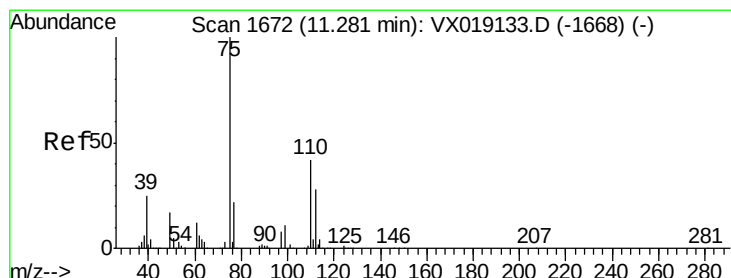
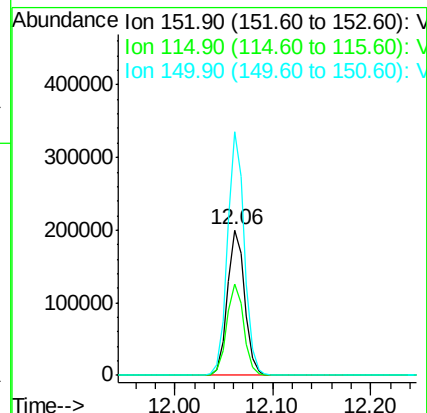
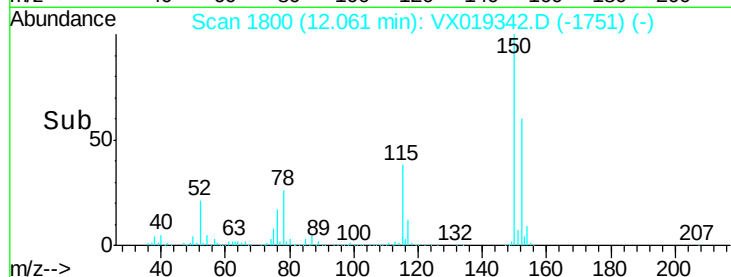
150 162.2 0.0 347.8



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



#76

1,2,3-Trichloropropane

Concen: 25.187 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019342.D

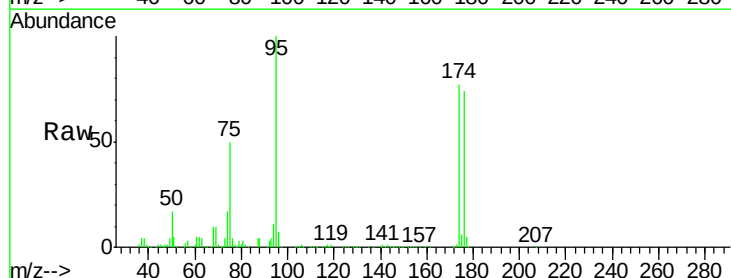
Acq: 06 Nov 2020 15:21

Tgt Ion: 75 Resp: 127277

Ion Ratio Lower Upper

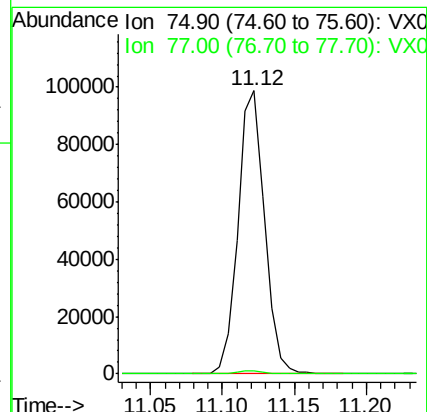
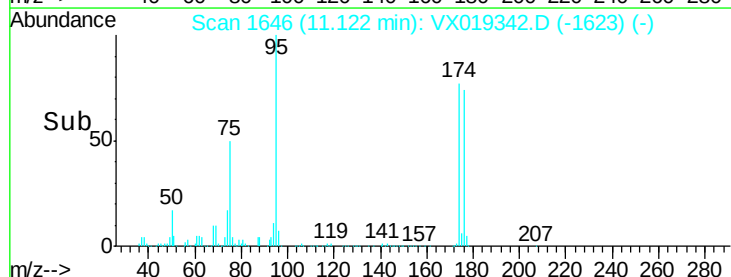
75 100

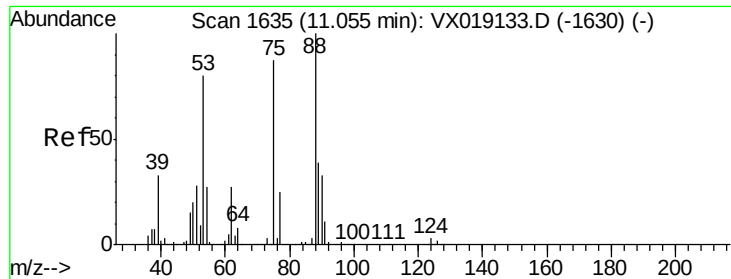
77 1.1 20.3 60.9#



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: 66.317 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019342.D

Acq: 06 Nov 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-318-320

Tot Ion: 75 Resp: 127277

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

