

Data File : VX019607.D
Acq On : 24 Nov 2020 15:55
Operator : JC/MD
Sample : L4889-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-TB-20201119

Quant Time: Nov 25 04:03:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	297064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	486654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	438454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	174251	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	184981	48.03	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.06%		
35) Dibromofluoromethane	5.46	113	146356	47.91	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.82%		
50) Toluene-d8	8.70	98	585679	49.34	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.68%		
62) 4-Bromofluorobenzene	11.12	95	199708	46.76	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.52%		

Target Compounds

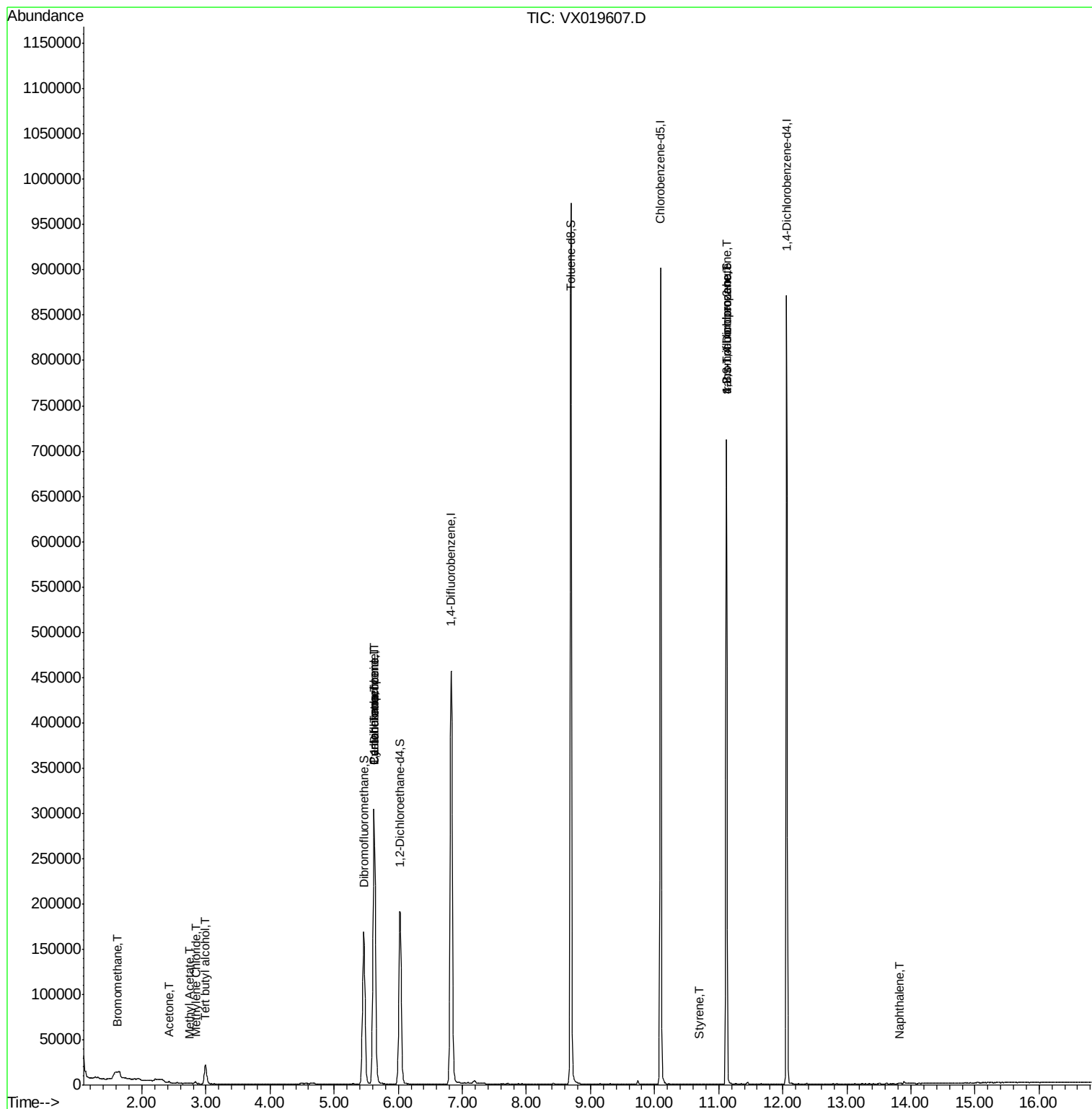
					Qvalue	
5) Bromomethane	1.62	94	408	0.302	ug/l #	56
6) Chloroethane	1.70	64	800	Below Cal	#	41
11) Tert butyl alcohol	2.99	59	13319	18.272	ug/l #	77
16) Acetone	2.43	43	1094	0.734	ug/l	99
18) Methyl Acetate	2.75	43	673	0.816	ug/l #	47
20) Methylene Chloride	2.84	84	997	0.268	ug/l	95
31) Cyclohexane	5.63	56	5648	1.127	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22304	4.889	ug/l #	49
38) Carbon Tetrachloride	5.62	117	29082	6.586	ug/l #	16
70) Styrene	10.69	104	91	1.654	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	96898	25.481	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	96898	67.229	ug/l #	12
95) Naphthalene	13.82	128	263	2.198	ug/l #	69

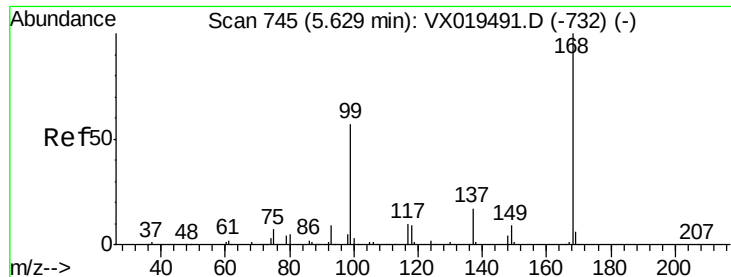
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019607.D

Acq: 24 Nov 2020 15:55

Instrument :

MSVOA_X

ClientSampleId :

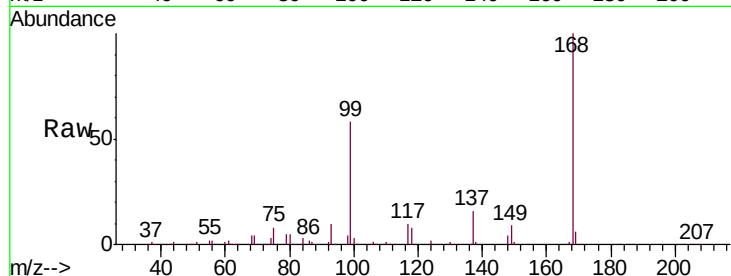
BP-VPB178-TB-20201119

Tgt Ion:168 Resp: 297064

Ion Ratio Lower Upper

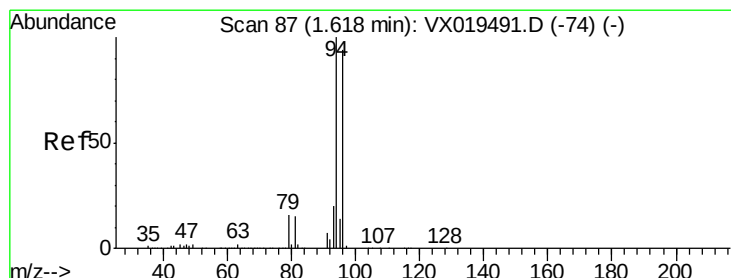
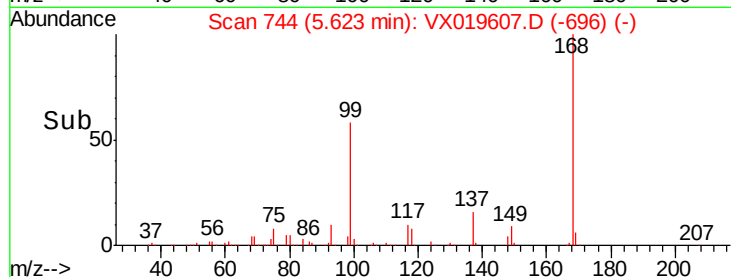
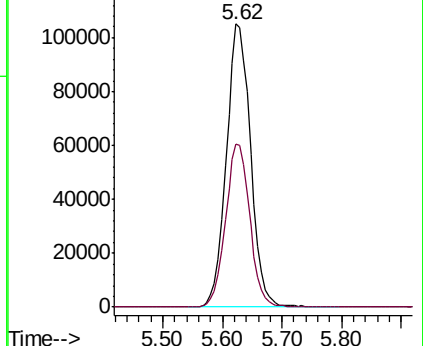
168 100

99 57.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.302 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019607.D

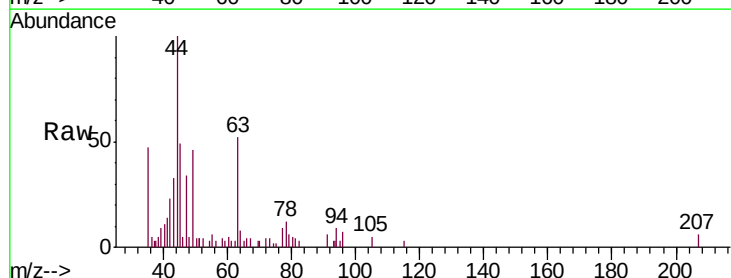
Acq: 24 Nov 2020 15:55

Tgt Ion: 94 Resp: 408

Ion Ratio Lower Upper

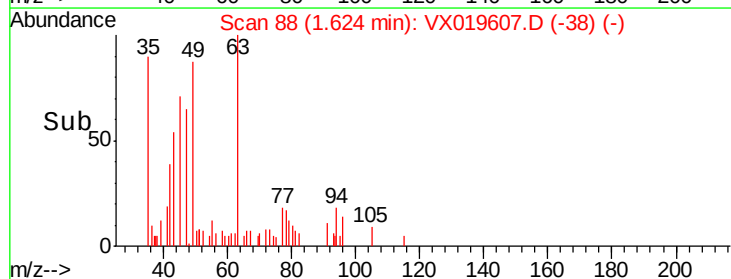
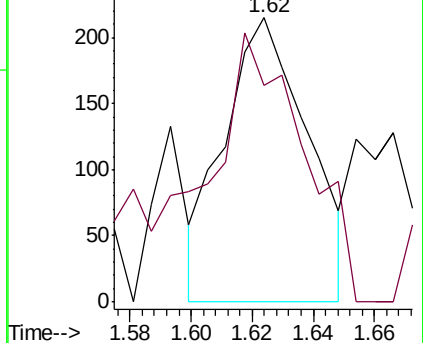
94 100

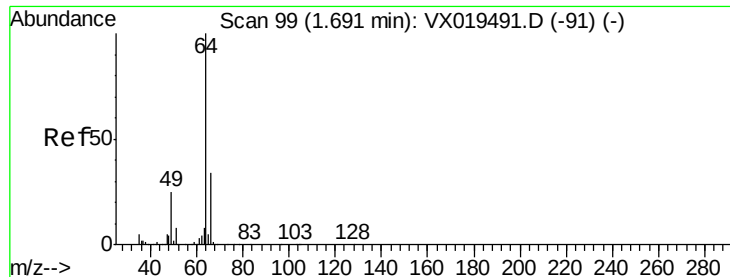
96 51.6 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX019607.D

Acq: 24 Nov 2020 15:55

Instrument :

MSVOA_X

ClientSampleId :

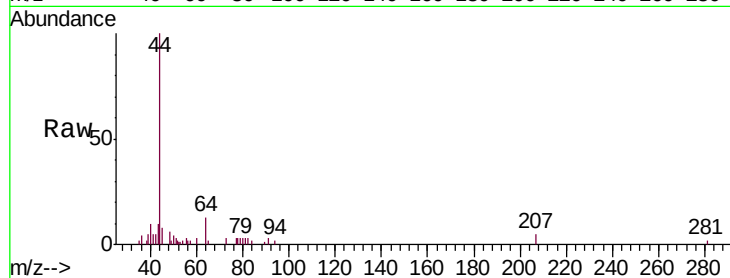
BP-VPB178-TB-20201119

Tgt Ion: 64 Resp: 800

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#

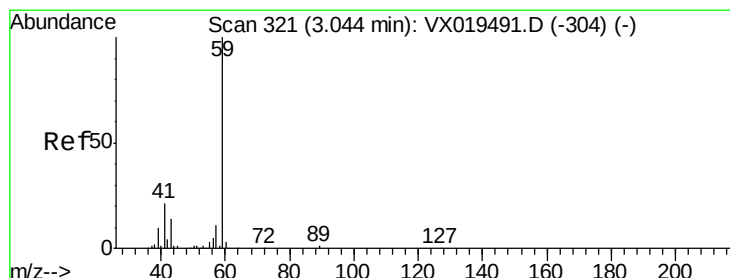
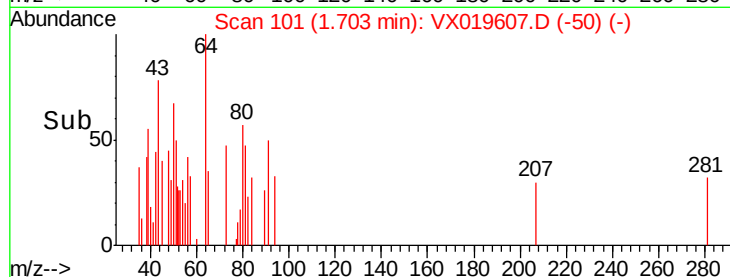


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

Time-->



#11

Tert butyl alcohol

Concen: 18.272 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.05 min

Lab File: VX019607.D

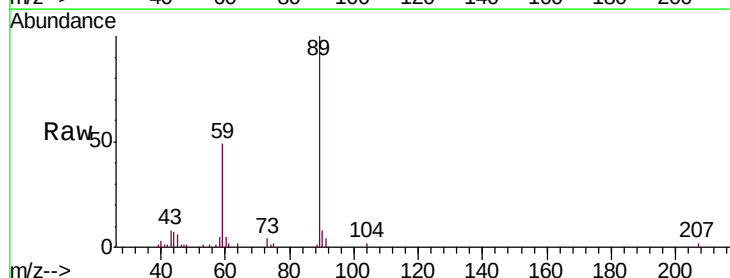
Acq: 24 Nov 2020 15:55

Tgt Ion: 59 Resp: 13319

Ion Ratio Lower Upper

59 100

57 1.5 7.9 11.9#

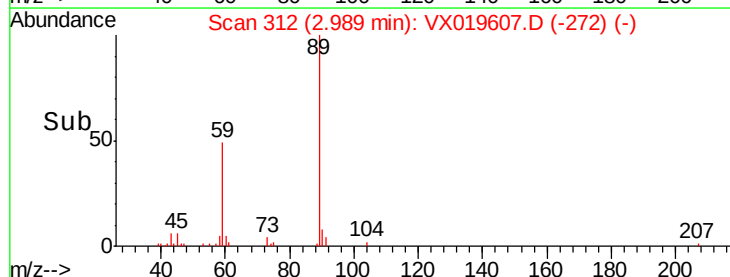


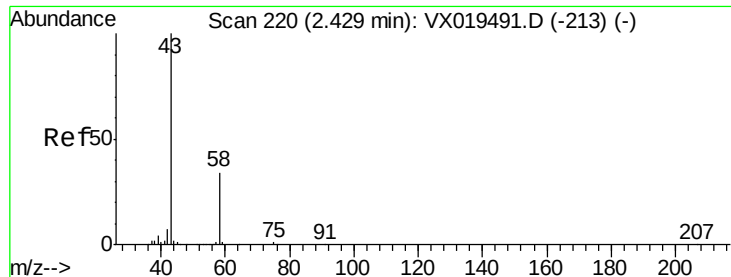
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

2.99

Time-->





#16

Acetone

Concen: 0.734 ug/l

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019607.D

Acq: 24 Nov 2020 15:55

Instrument :

MSVOA_X

ClientSampleId :

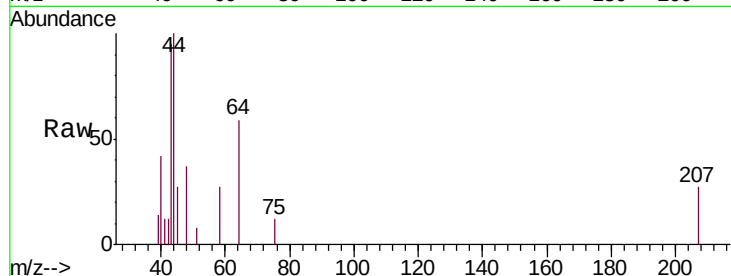
BP-VPB178-TB-20201119

Tgt Ion: 43 Resp: 1094

Ion Ratio Lower Upper

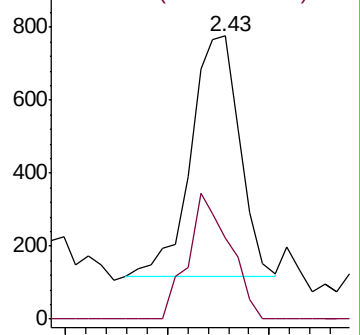
43 100

58 33.7 27.4 41.2

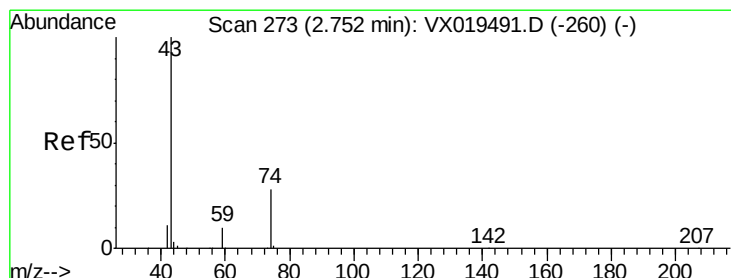
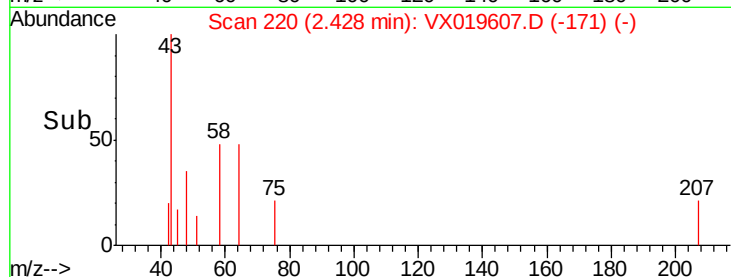


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 2.35 2.40 2.45



#18

Methyl Acetate

Concen: 0.816 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019607.D

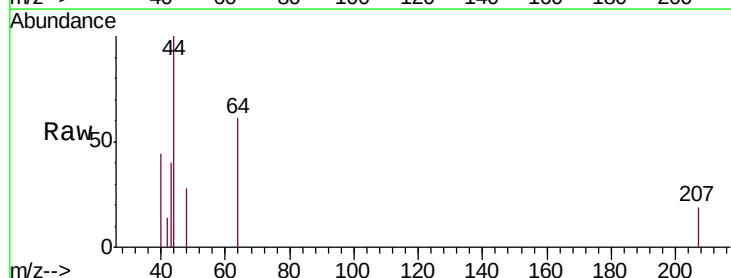
Acq: 24 Nov 2020 15:55

Tgt Ion: 43 Resp: 673

Ion Ratio Lower Upper

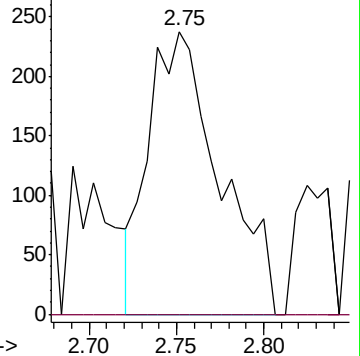
43 100

74 0.0 22.2 33.4#

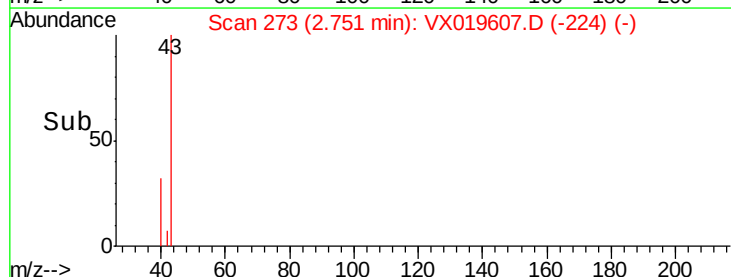


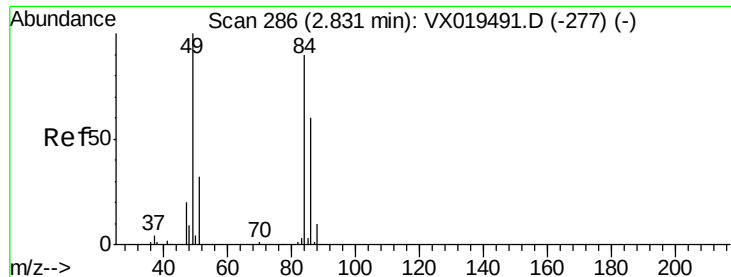
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time--> 2.70 2.75 2.80

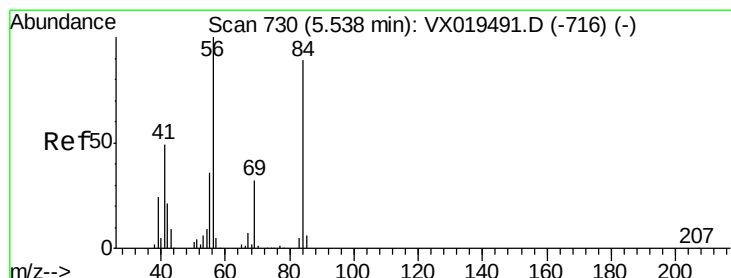
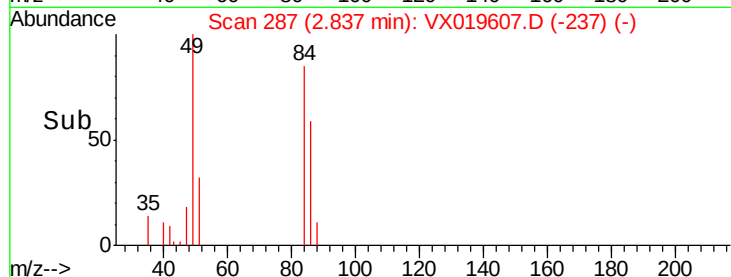
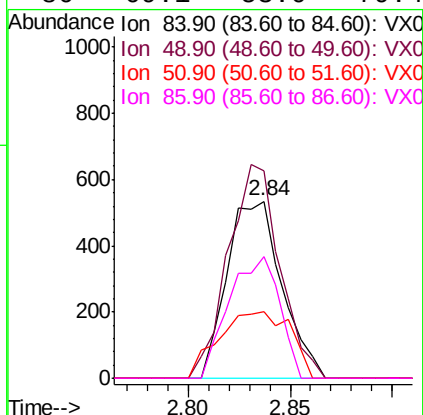
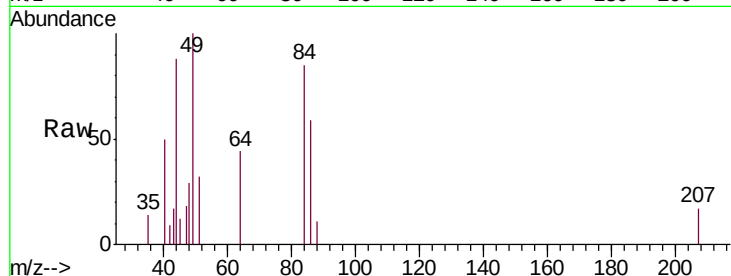




#20
Methylene Chloride
Concen: 0.268 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019607.D
Acq: 24 Nov 2020 15:55

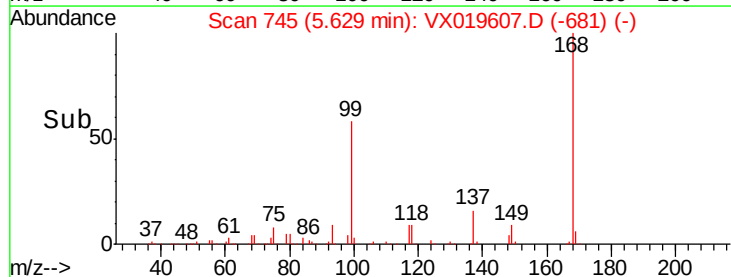
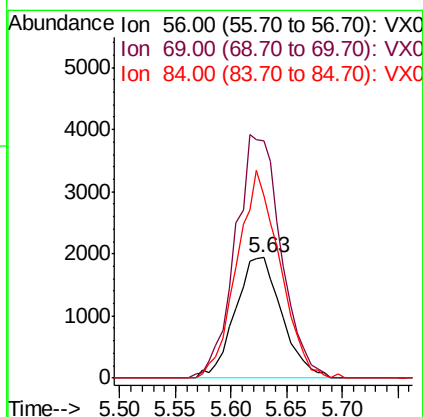
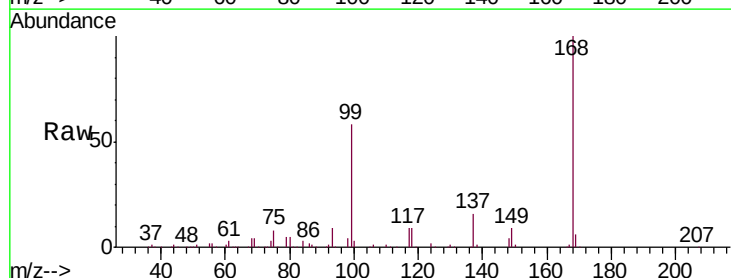
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-TB-20201119

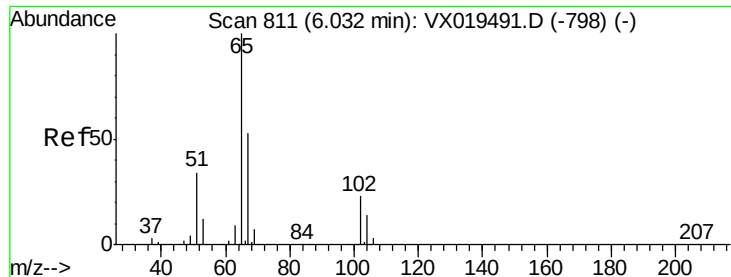
Tgt Ion:	84	Resp:	997
Ion	Ratio	Lower	Upper
84	100		
49	117.6	88.5	132.7
51	38.0	28.0	42.0
86	69.1	53.0	79.4



#31
Cyclohexane
Concen: 1.127 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019607.D
Acq: 24 Nov 2020 15:55

Tgt Ion:	56	Resp:	5648
Ion	Ratio	Lower	Upper
56	100		
69	196.8	25.5	38.3#
84	151.4	71.1	106.7#

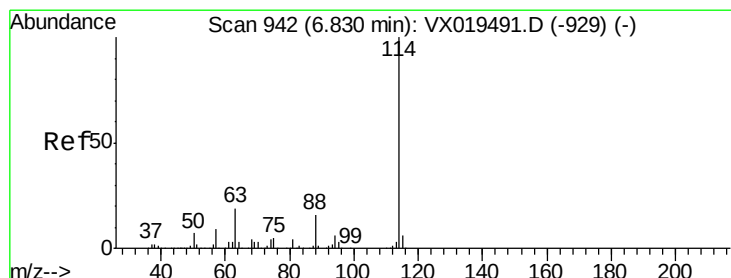
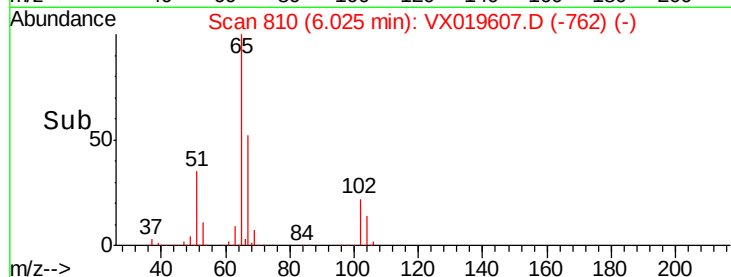
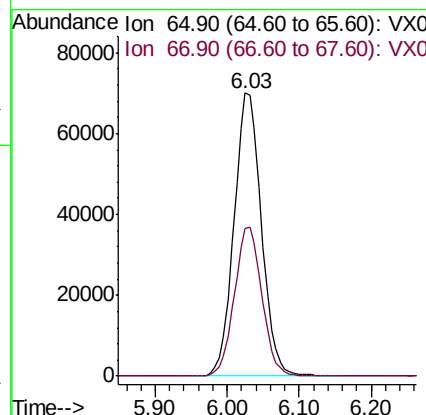
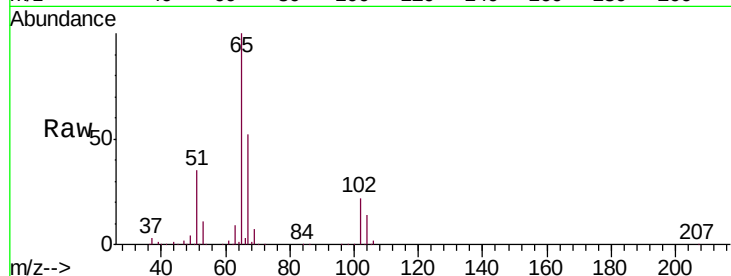




#33
 1,2-Dichloroethane-d4
 Concen: 48.026 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VX019607.D
 Acq: 24 Nov 2020 15:55

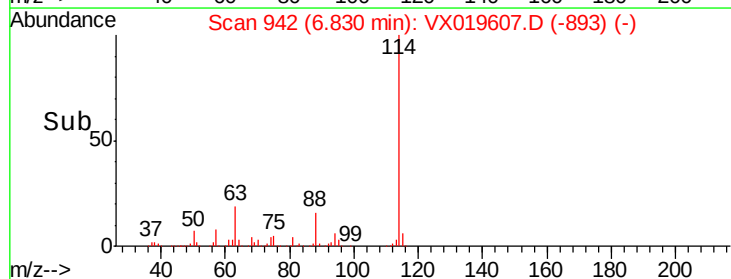
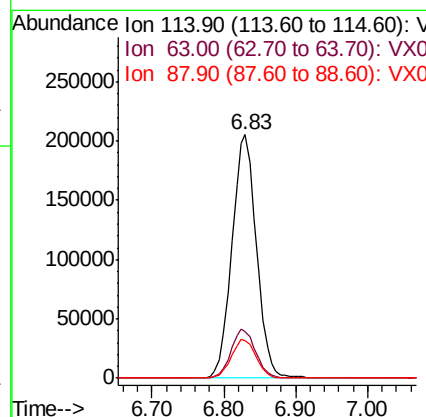
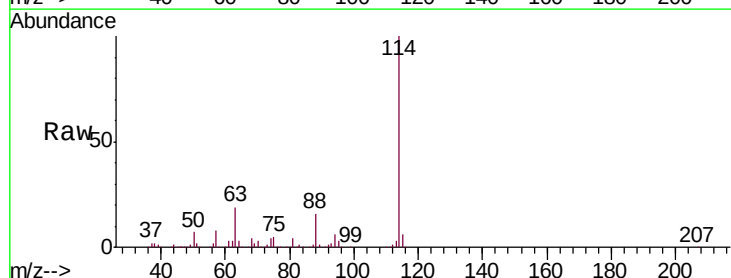
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB178-TB-20201119

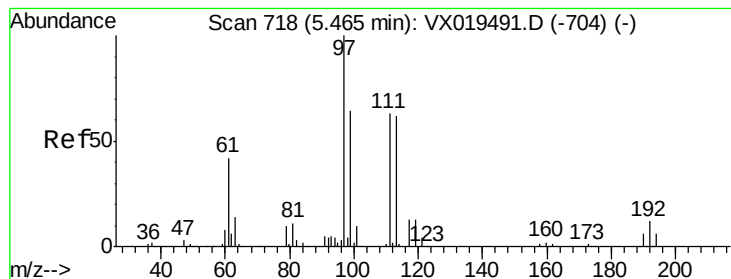
Tgt Ion: 65 Resp: 184981
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019607.D
 Acq: 24 Nov 2020 15:55

Tgt Ion: 114 Resp: 486654
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.8
 88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.911 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019607.D

Acq: 24 Nov 2020 15:55

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-TB-20201119

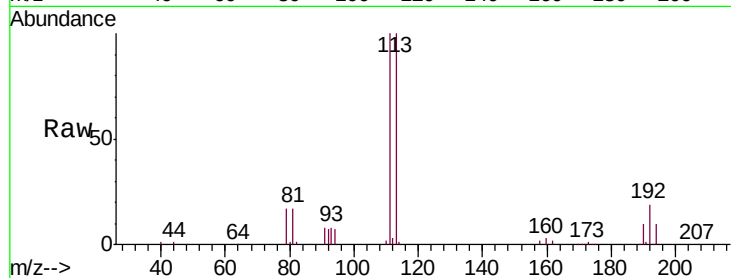
Tgt Ion:113 Resp: 146356

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

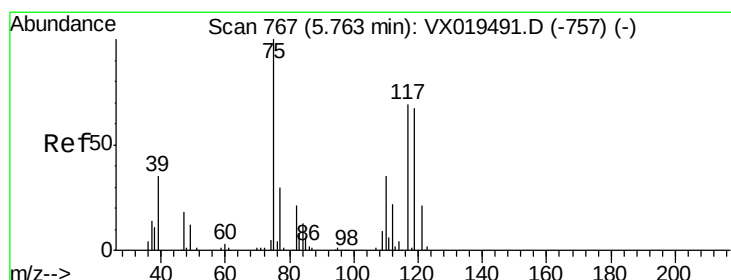
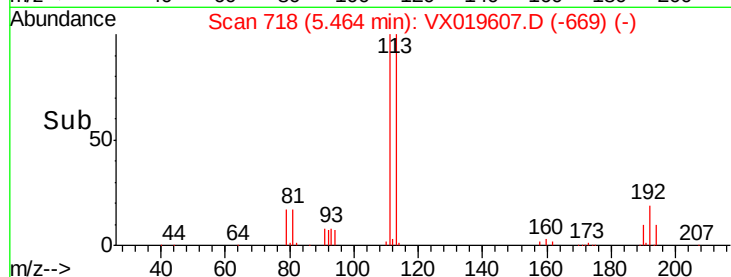
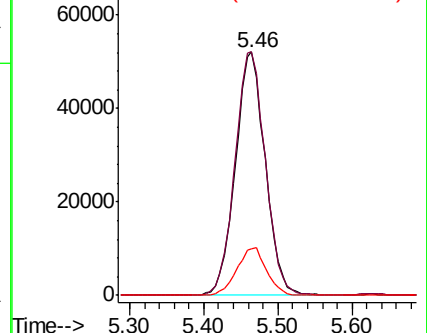
192 19.6 16.2 24.2



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: 4.889 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019607.D

Acq: 24 Nov 2020 15:55

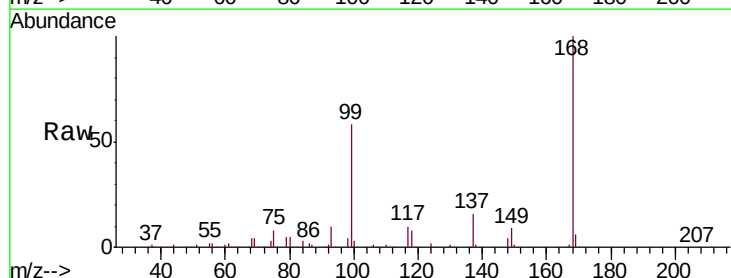
Tgt Ion: 75 Resp: 22304

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.3#

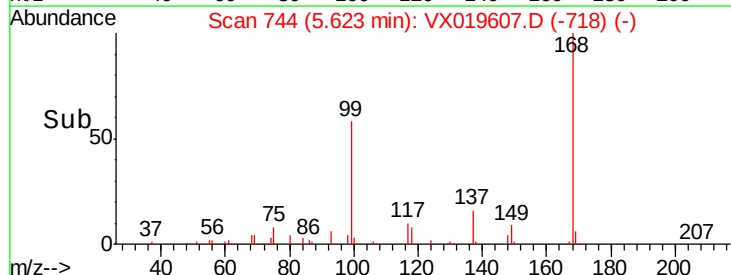
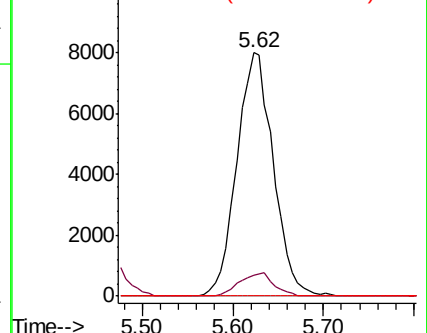
77 0.0 24.2 36.4#

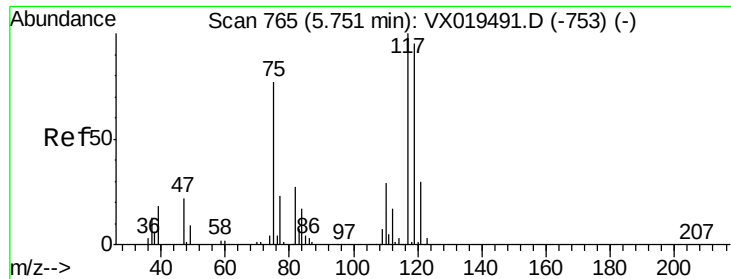


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.586 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019607.D

Acq: 24 Nov 2020 15:55

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-TB-20201119

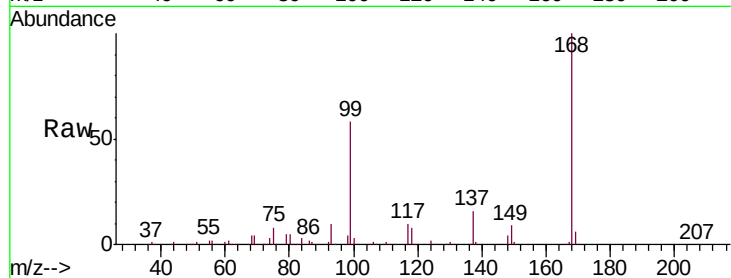
Tgt Ion:117 Resp: 29082

Ion Ratio Lower Upper

117 100

119 4.1 75.9 113.9#

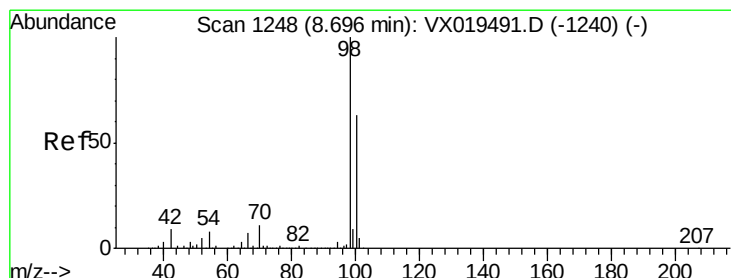
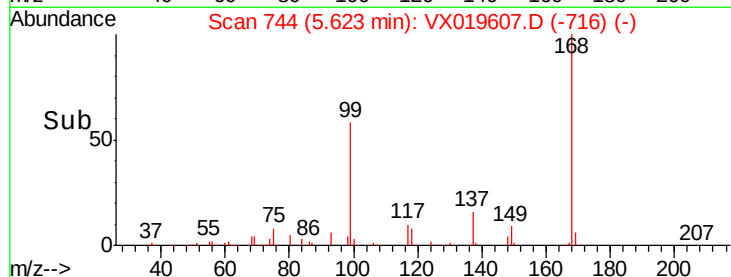
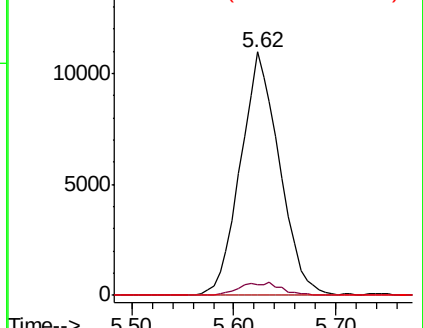
121 0.0 24.0 36.0#



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



#50

Toluene-d8

Concen: 49.340 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019607.D

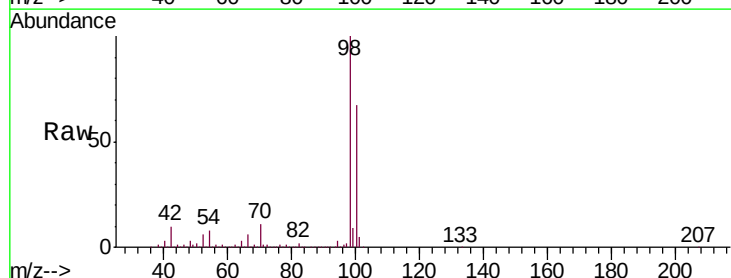
Acq: 24 Nov 2020 15:55

Tgt Ion: 98 Resp: 585679

Ion Ratio Lower Upper

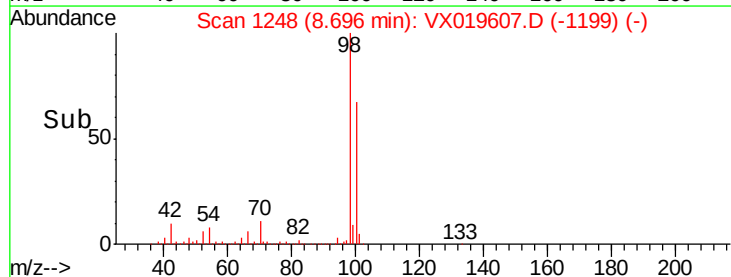
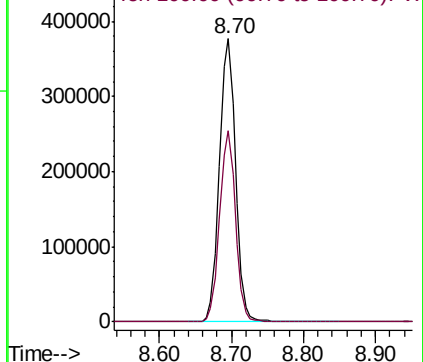
98 100

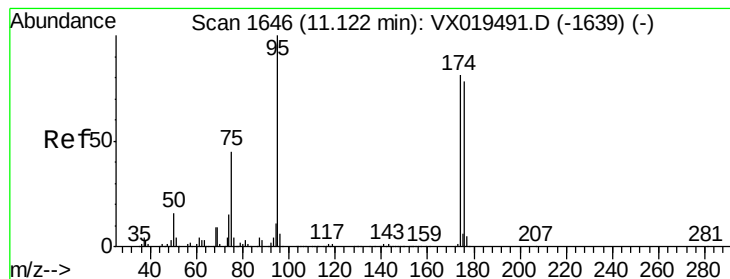
100 66.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.761 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019607.D

Acq: 24 Nov 2020 15:55

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-TB-20201119

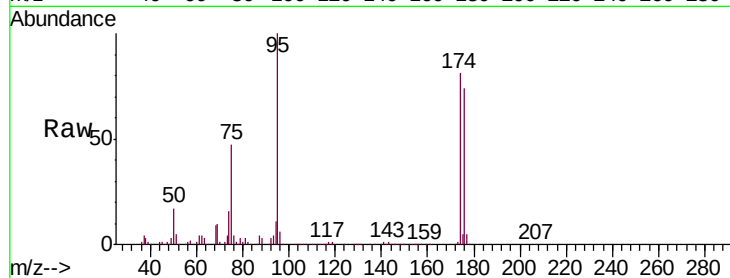
Tgt Ion: 95 Resp: 199708

Ion Ratio Lower Upper

95 100

174 77.0 0.0 156.2

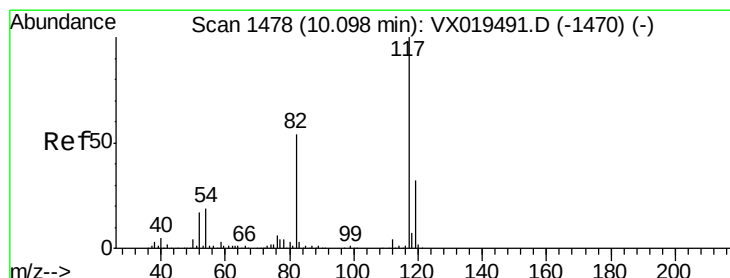
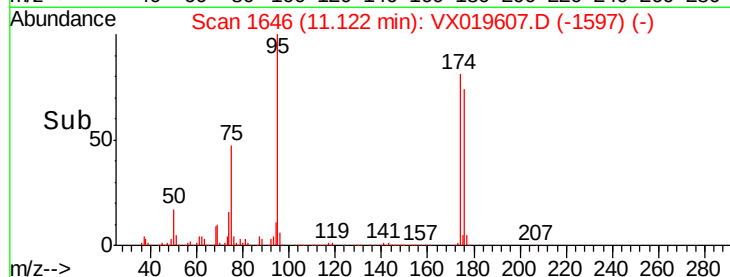
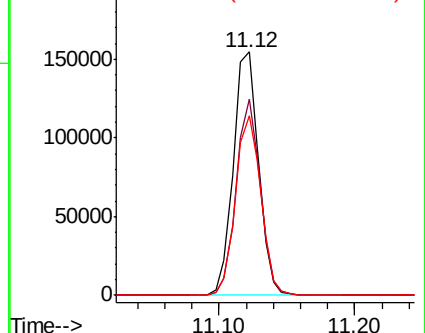
176 74.1 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019607.D

Acq: 24 Nov 2020 15:55

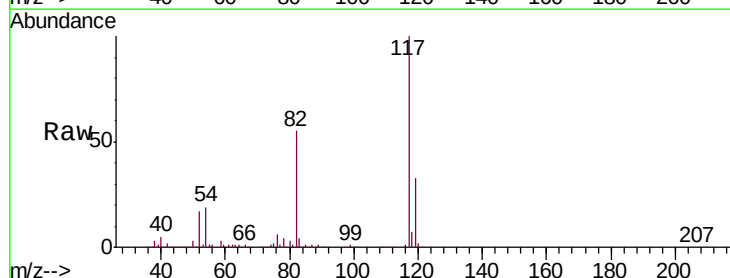
Tgt Ion: 117 Resp: 438454

Ion Ratio Lower Upper

117 100

82 55.1 43.0 64.4

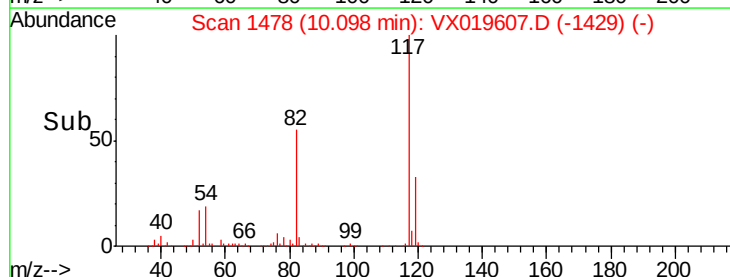
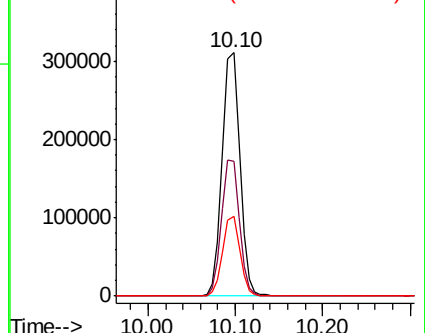
119 32.9 25.6 38.4

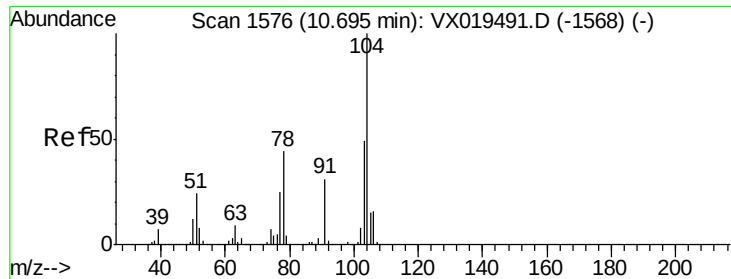


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#70

Styrene

Concen: 1.654 ug/l

RT: 10.69 min Scan# 1575

Delta R.T. -0.01 min

Lab File: VX019607.D

Acq: 24 Nov 2020 15:55

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-TB-20201119

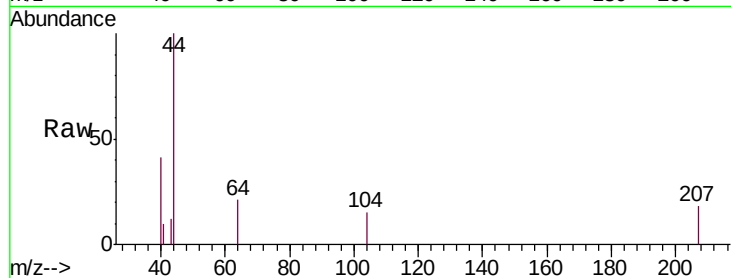
Tgt Ion:104 Resp: 91

Ion Ratio Lower Upper

104 100

78 0.0 39.5 59.3#

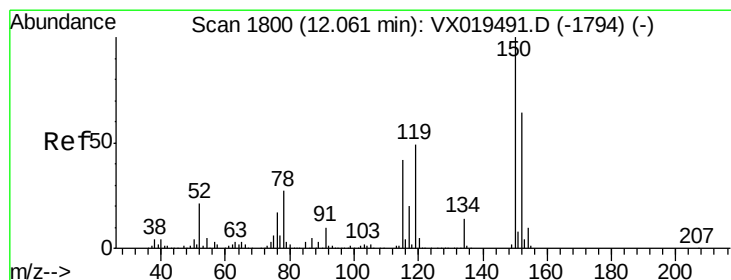
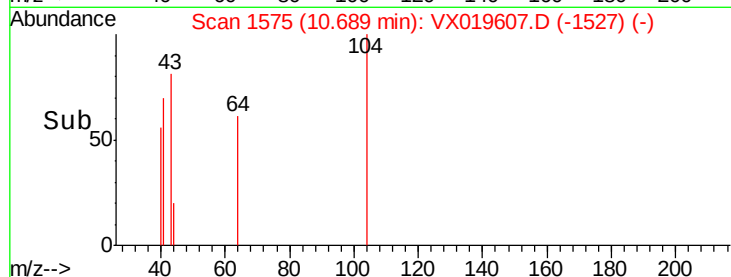
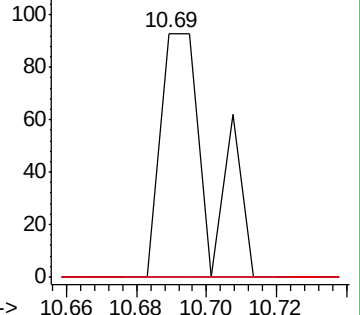
103 0.0 43.6 65.4#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): 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: VX019607.D

Acq: 24 Nov 2020 15:55

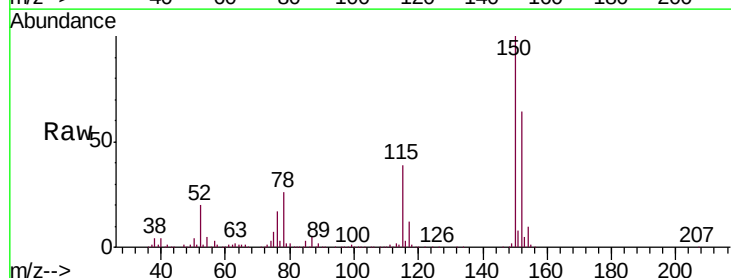
Tgt Ion:152 Resp: 174251

Ion Ratio Lower Upper

152 100

115 60.3 41.8 125.4

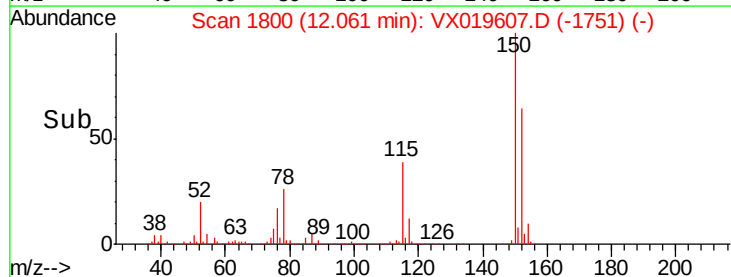
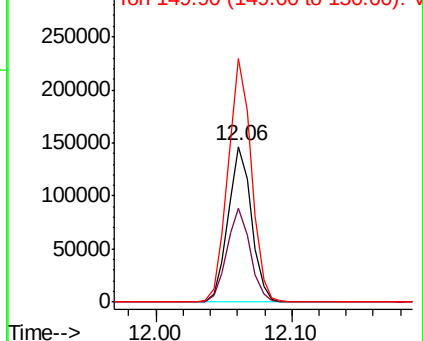
150 157.4 0.0 348.2

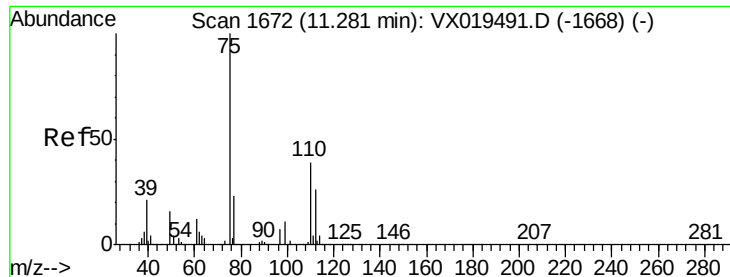


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.481 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019607.D

Acq: 24 Nov 2020 15:55

Instrument :

MSVOA_X

ClientSampleId :

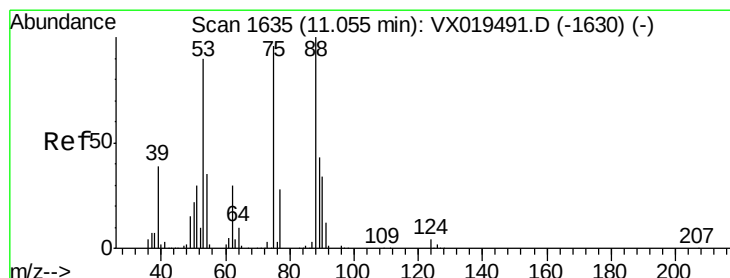
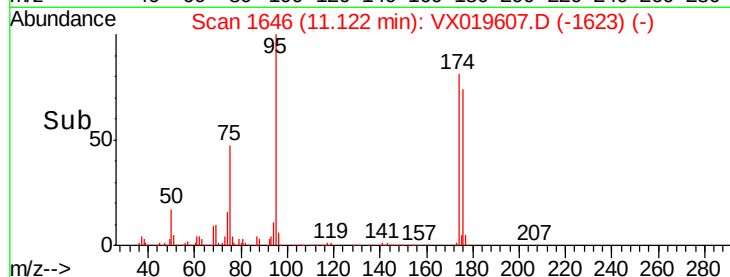
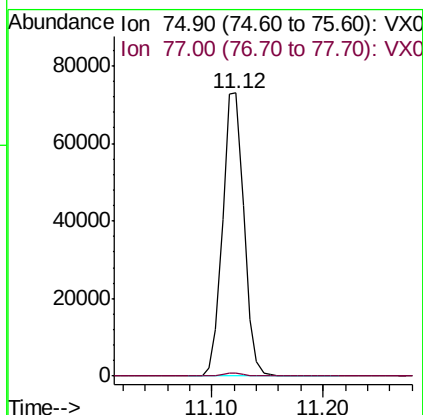
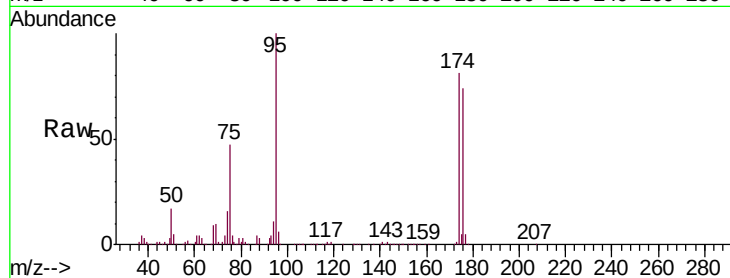
BP-VPB178-TB-20201119

Tgt Ion: 75 Resp: 96898

Ion Ratio Lower Upper

75 100

77 1.1 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.229 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019607.D

Acq: 24 Nov 2020 15:55

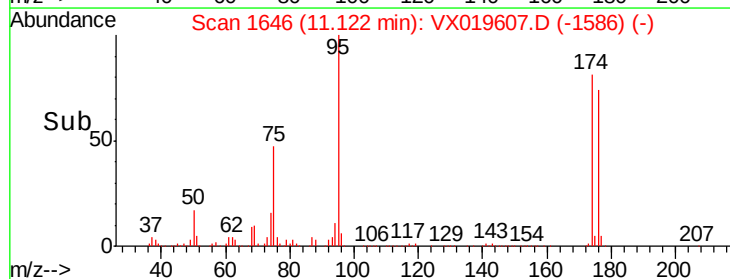
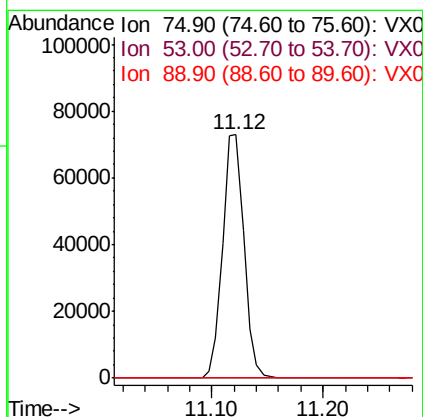
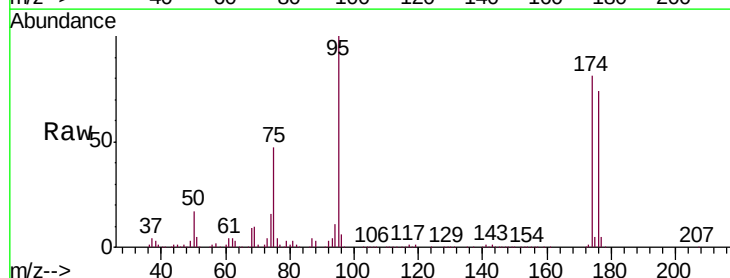
Tgt Ion: 75 Resp: 96898

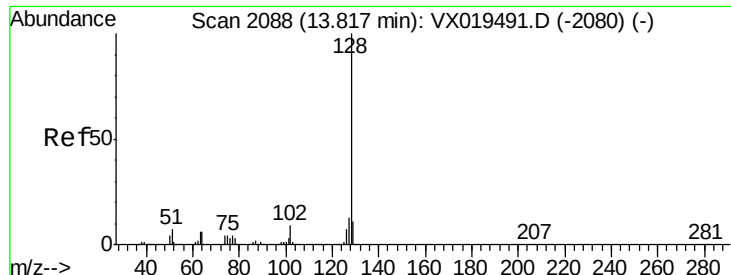
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.3 55.9#





#95

Naphthalene

Concen: 2.198 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019607.D

Acq: 24 Nov 2020 15:55

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-TB-20201119

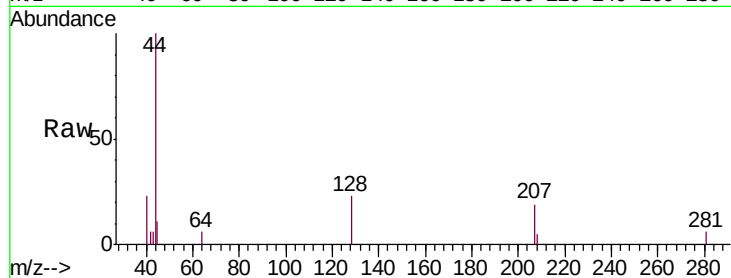
Tgt Ion:128 Resp: 263

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 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

300

250

200

150

100

50

0

13.80

13.82

13.85

Time-->

