

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019105.D
 Acq On : 24 Oct 2020 04:29
 Operator : JC/SP
 Sample : L4470-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB-20201015

Quant Time: Oct 26 05:39:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	263278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	463469	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	432651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	218566	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	162676	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
35) Dibromofluoromethane	5.46	113	143308	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	8.70	98	566611	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	11.12	95	196500	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	

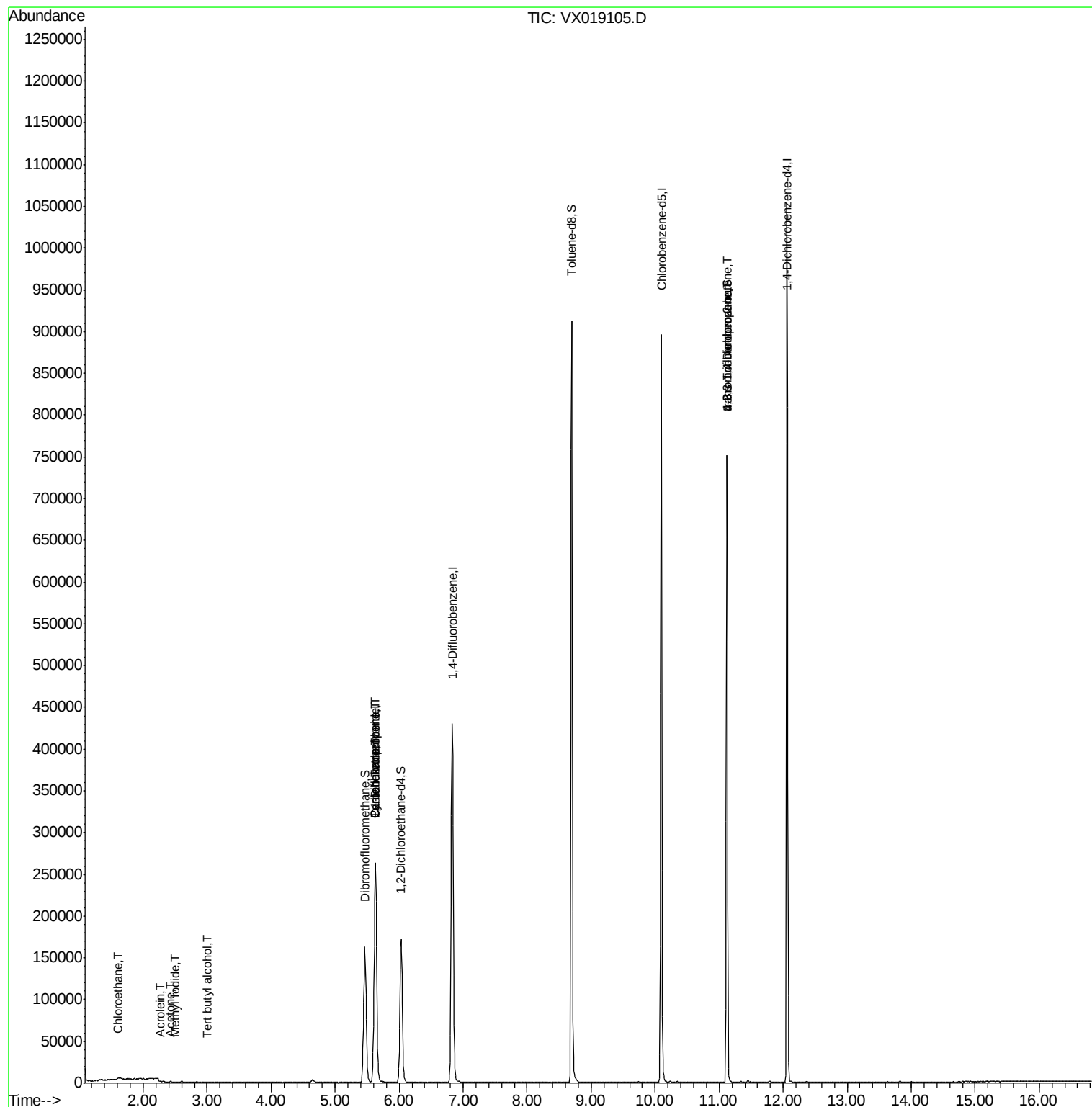
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	129	Below Cal		94
6) Chloroethane	1.61	64	19	1.280	ug/l #	43
10) Methyl Iodide	2.49	142	46	4.782	ug/l #	42
11) Tert butyl alcohol	3.00	59	376	0.589	ug/l #	73
13) Acrolein	2.28	56	46	13.806	ug/l #	1
16) Acetone	2.42	43	581	0.541	ug/l	97
31) Cyclohexane	5.63	56	4876	1.320	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19848	4.773	ug/l #	47
38) Carbon Tetrachloride	5.63	117	25907	5.935	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	99221	22.713	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	99221	57.867	ug/l #	15

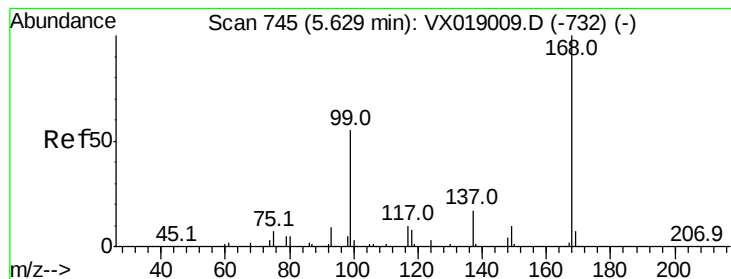
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102320\
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QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019105.D

Acq: 24 Oct 2020 04:29

Instrument :

MSVOA_X

ClientSampleId :

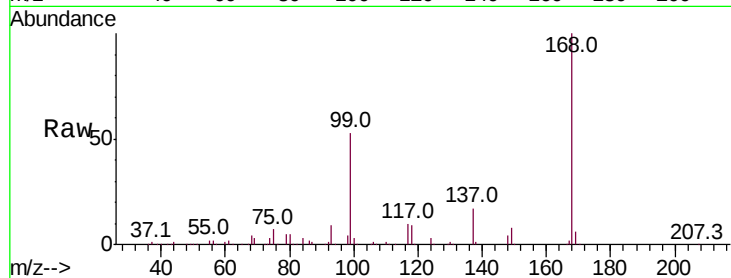
BP-TB-20201015

Tot Ion:168 Resp: 263278

Ion Ratio Lower Upper

168 100

99 53.1 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

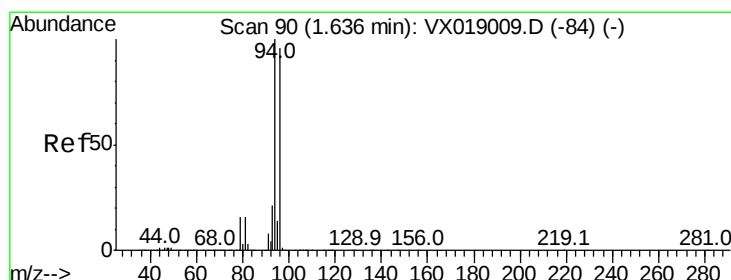
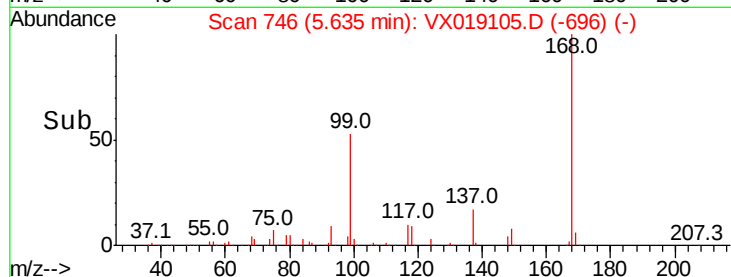
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019105.D

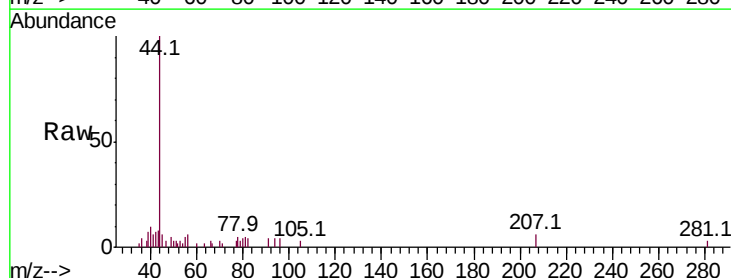
Acq: 24 Oct 2020 04:29

Tgt Ion: 94 Resp: 129

Ion Ratio Lower Upper

94 100

96 101.8 77.1 115.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

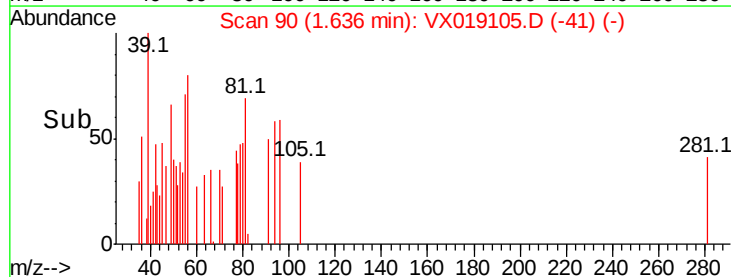
150

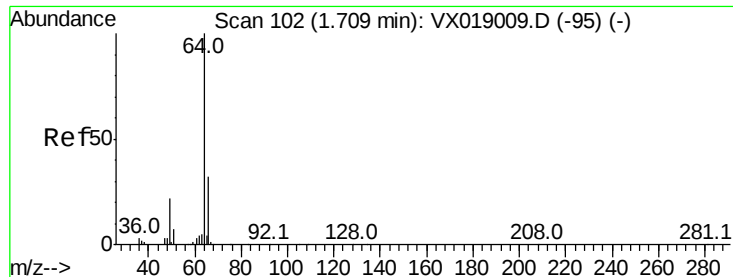
100

50

0

Time-->





#6

Chloroethane

Concen: 1.280 ug/l

RT: 1.61 min Scan# 85

Delta R.T. -0.10 min

Lab File: VX019105.D

Acq: 24 Oct 2020 04:29

Instrument :

MSVOA_X

ClientSampleId :

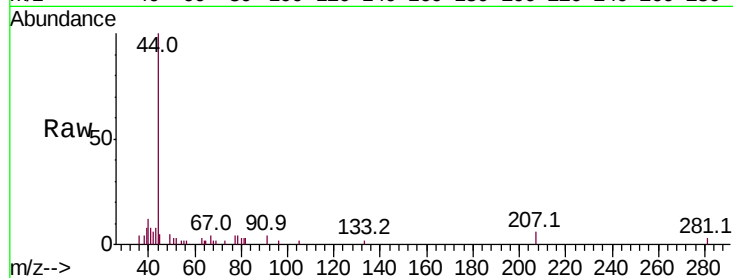
BP-TB-20201015

Tot Ion: 64 Resp: 19

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.61

50

40

30

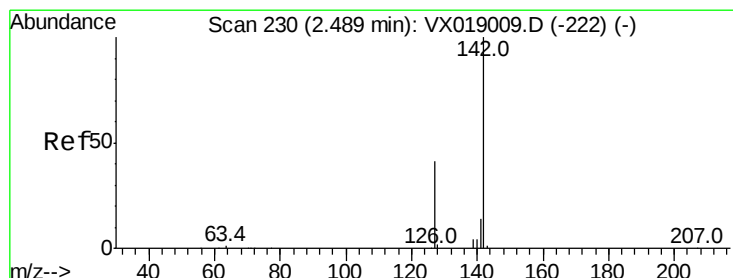
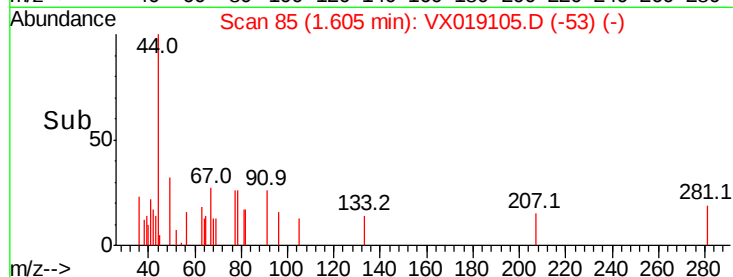
20

10

0

1.60 1.61 1.62

Time-->



#10

Methyl Iodide

Concen: 4.782 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX019105.D

Acq: 24 Oct 2020 04:29

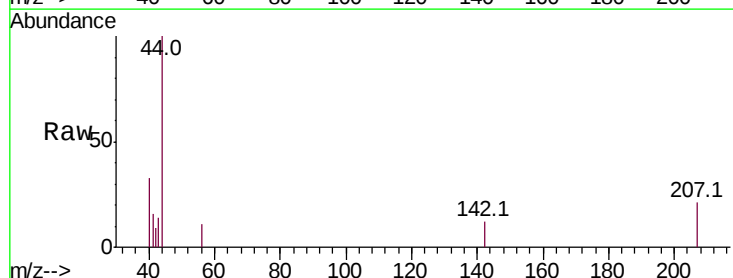
Tgt Ion: 142 Resp: 46

Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.49

80

60

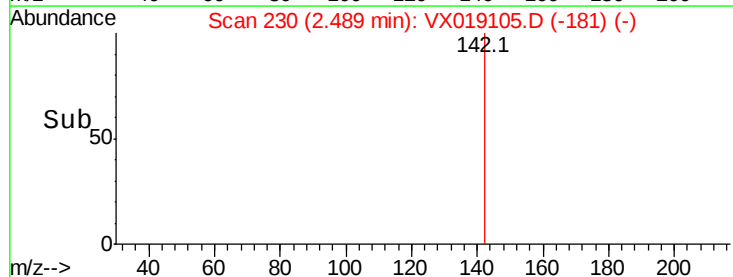
40

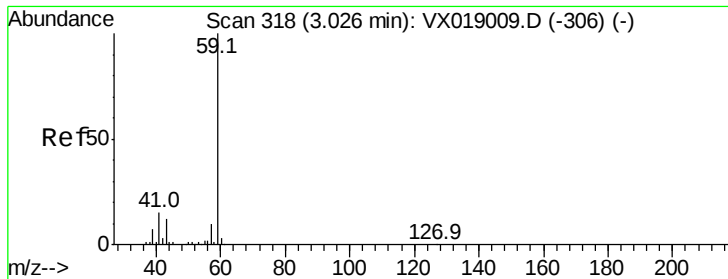
20

0

2.46 2.48 2.50

Time-->





#11

Tert butyl alcohol

Concen: 0.589 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.03 min

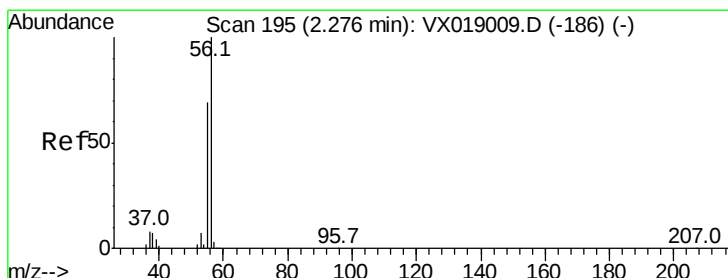
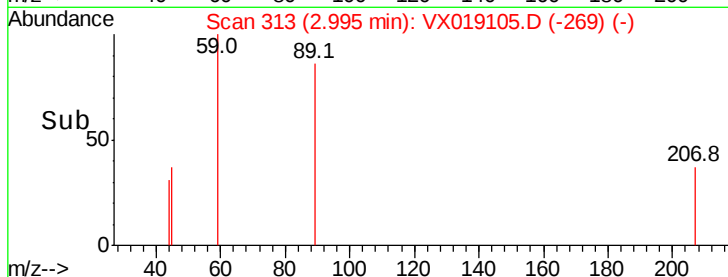
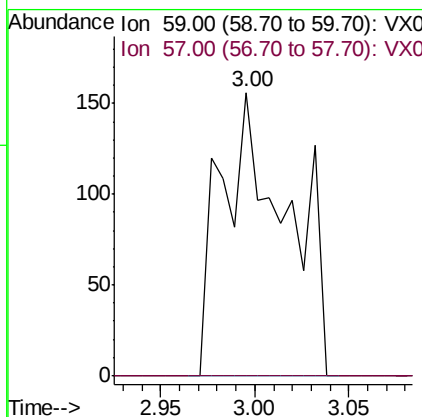
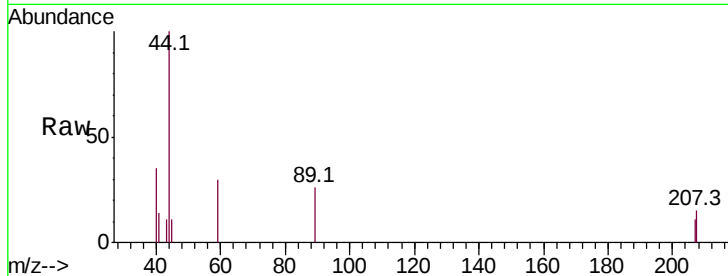
Lab File: VX019105.D

Acq: 24 Oct 2020 04:29

Instrument :
MSVOA_X
ClientSampleId :
BP-TB-20201015

Tot Ion: 59 Resp: 376

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#



#13

Acrolein

Concen: 13.806 ug/l

RT: 2.28 min Scan# 195

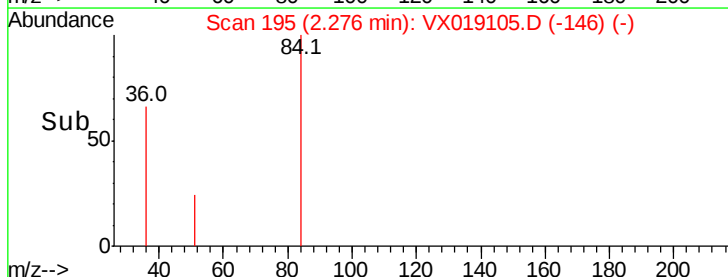
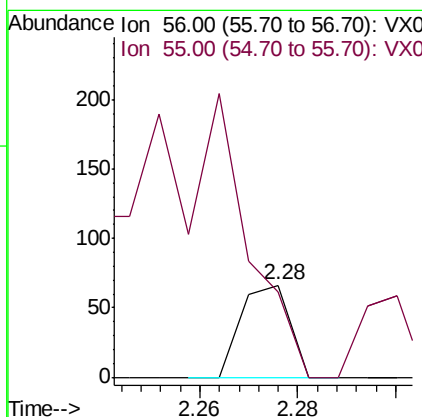
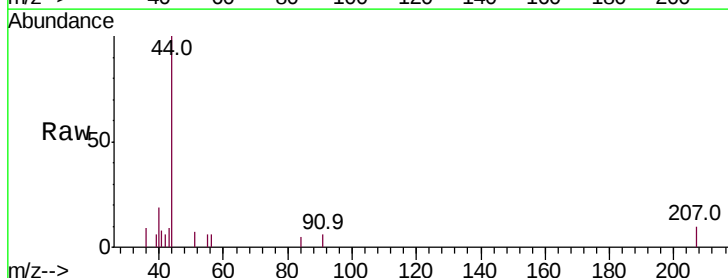
Delta R.T. 0.00 min

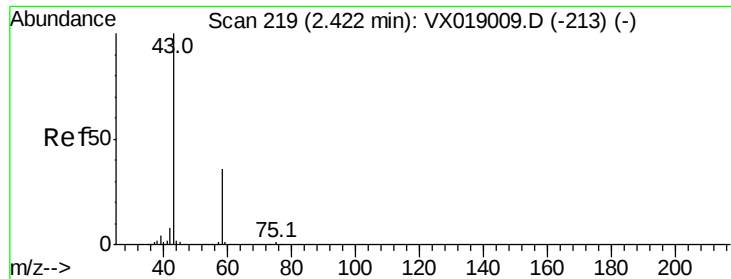
Lab File: VX019105.D

Acq: 24 Oct 2020 04:29

Tgt Ion: 56 Resp: 46

Ion	Ratio	Lower	Upper
56	100		
55	510.9	54.2	81.4#





#16

Acetone

Concen: 0.541 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019105.D

Acq: 24 Oct 2020 04:29

Instrument :

MSVOA_X

ClientSampleId :

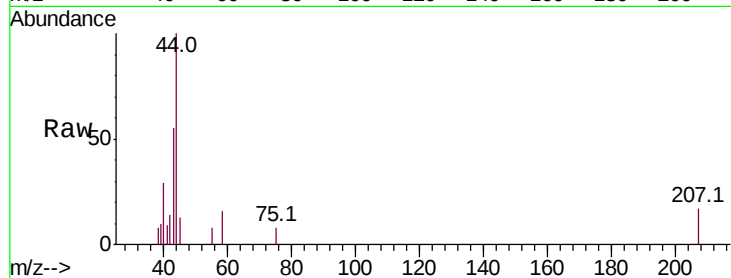
BP-TB-20201015

Tot Ion: 43 Resp: 581

Ion Ratio Lower Upper

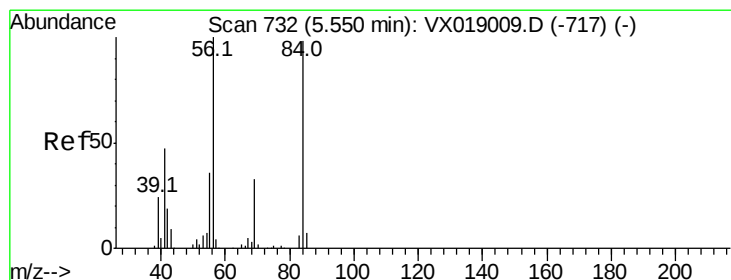
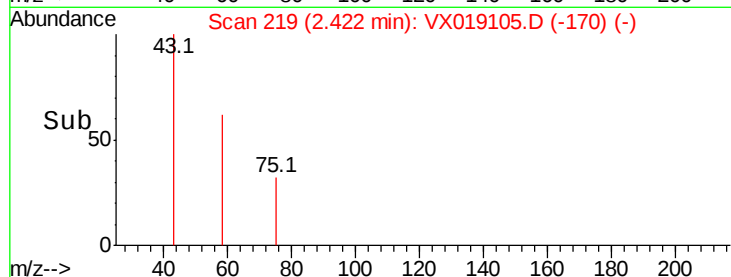
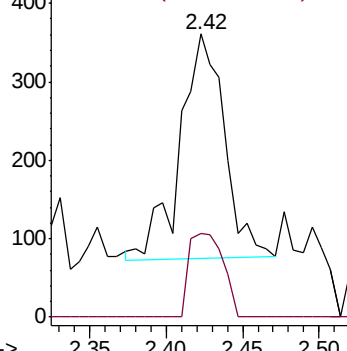
43 100

58 37.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#31

Cyclohexane

Concen: 1.320 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019105.D

Acq: 24 Oct 2020 04:29

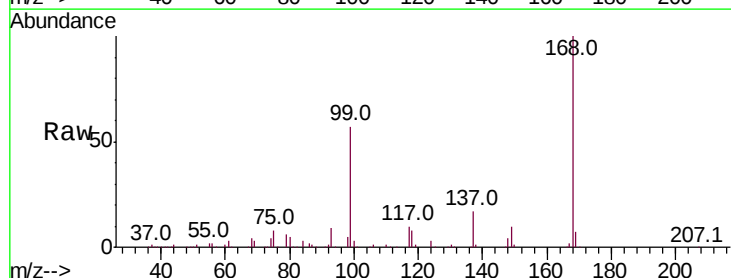
Tgt Ion: 56 Resp: 4876

Ion Ratio Lower Upper

56 100

69 171.6 26.2 39.2#

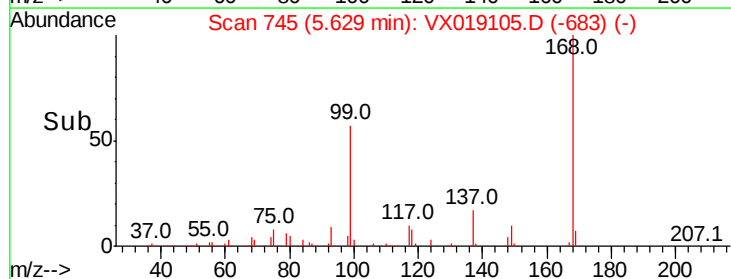
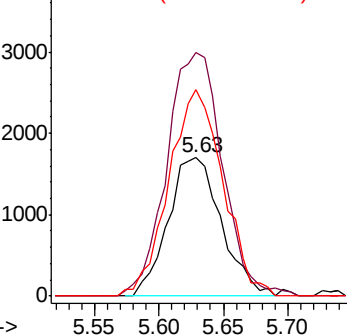
84 149.4 78.3 117.5#

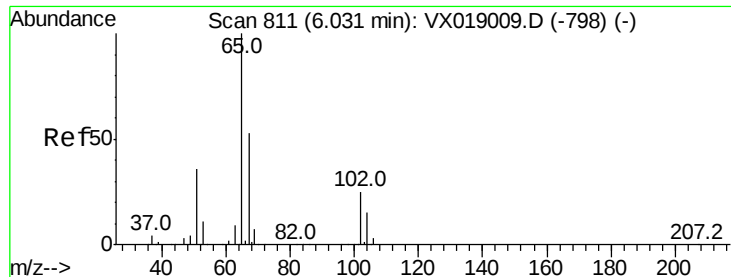


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.583 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019105.D

Acq: 24 Oct 2020 04:29

Instrument :

MSVOA_X

ClientSampleId :

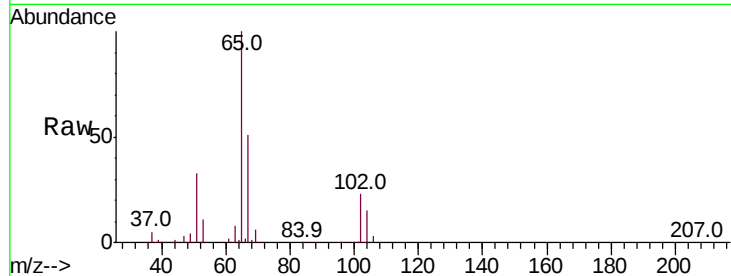
BP-TB-20201015

Tot Ion: 65 Resp: 162676

Ion Ratio Lower Upper

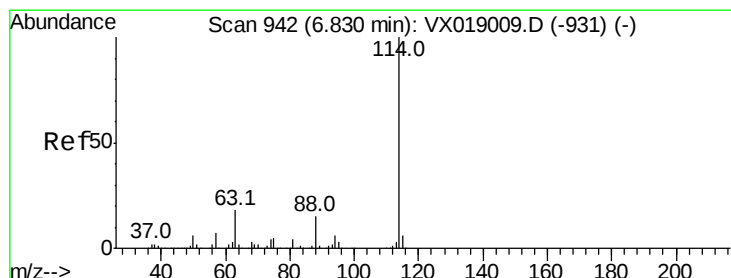
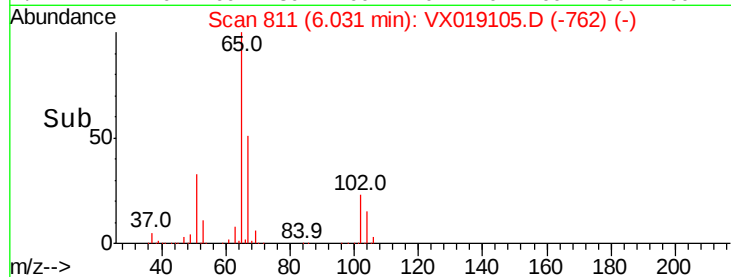
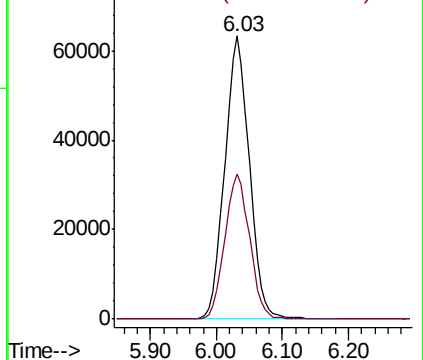
65 100

67 51.9 0.0 107.0



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: VX019105.D

Acq: 24 Oct 2020 04:29

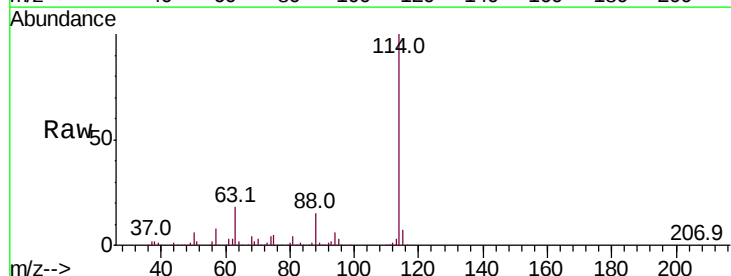
Tgt Ion:114 Resp: 463469

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.8

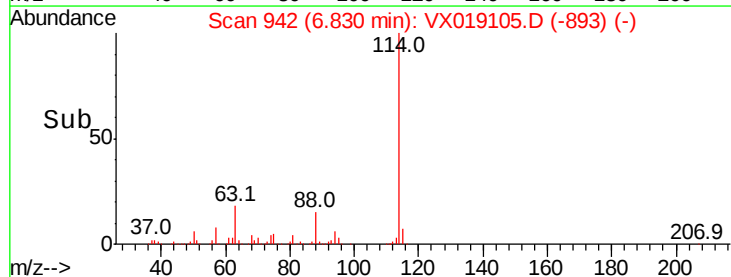
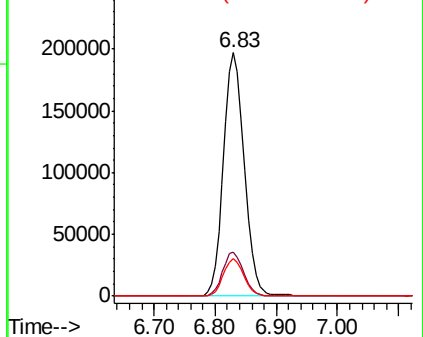
88 15.2 0.0 30.2

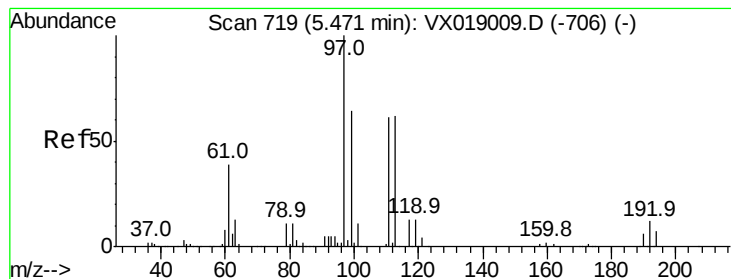


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.838 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019105.D

Acq: 24 Oct 2020 04:29

Instrument :

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ClientSampleId :

BP-TB-20201015

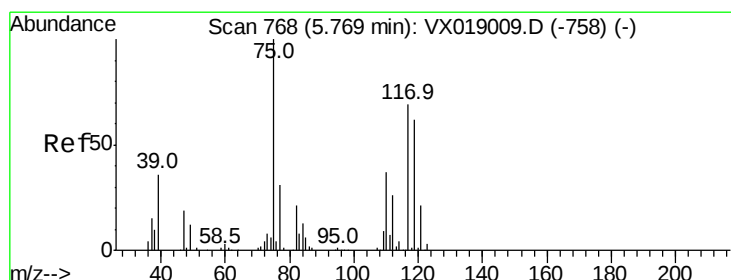
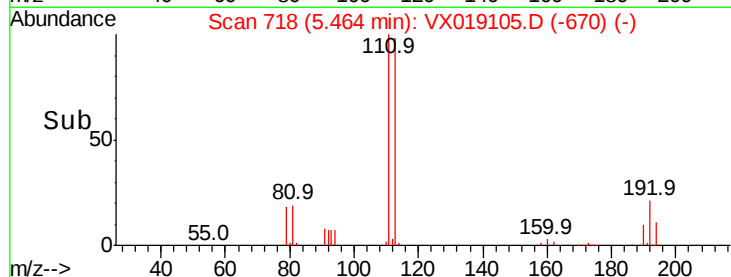
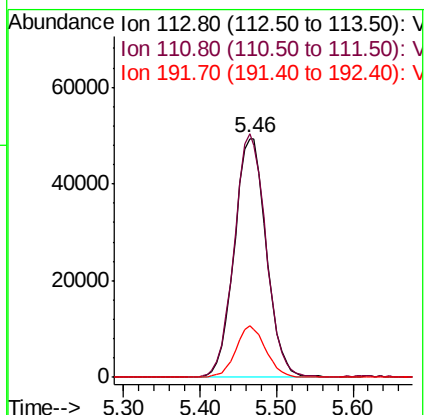
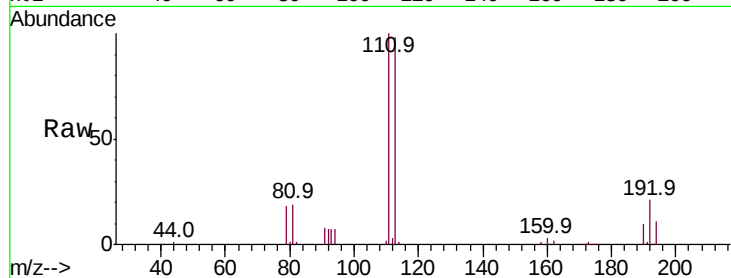
Tot Ion:113 Resp: 143308

Ion Ratio Lower Upper

113 100

111 101.5 81.5 122.3

192 20.4 16.3 24.5



#36

1,1-Dichloropropene

Concen: 4.773 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019105.D

Acq: 24 Oct 2020 04:29

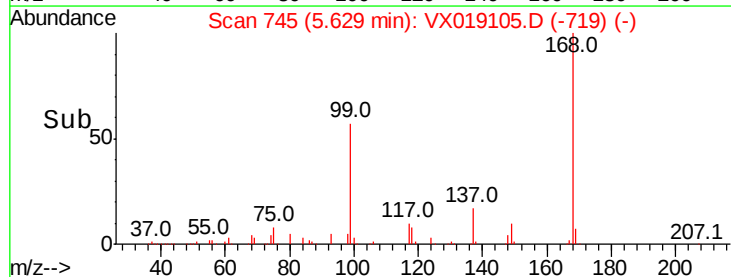
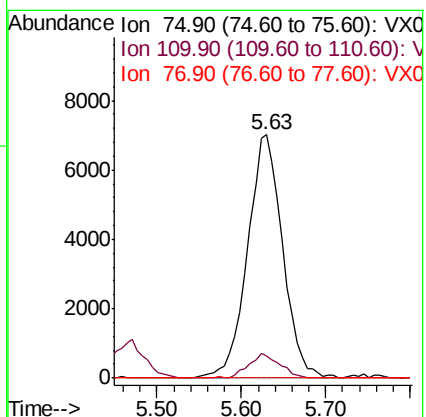
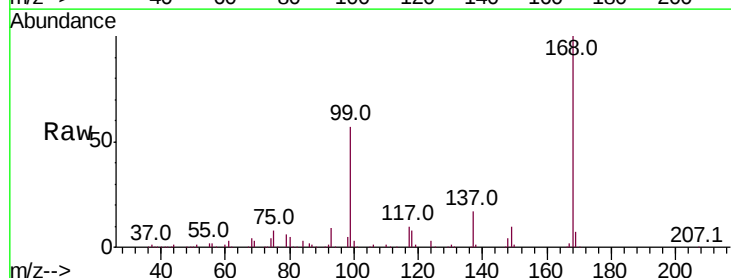
Tgt Ion: 75 Resp: 19848

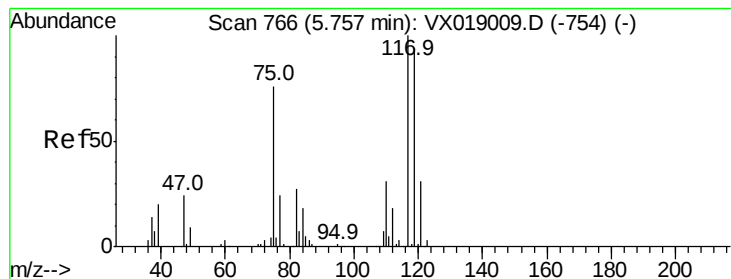
Ion Ratio Lower Upper

75 100

110 8.8 19.4 58.2#

77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.935 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019105.D

Acq: 24 Oct 2020 04:29

Instrument :

MSVOA_X

ClientSampleId :

BP-TB-20201015

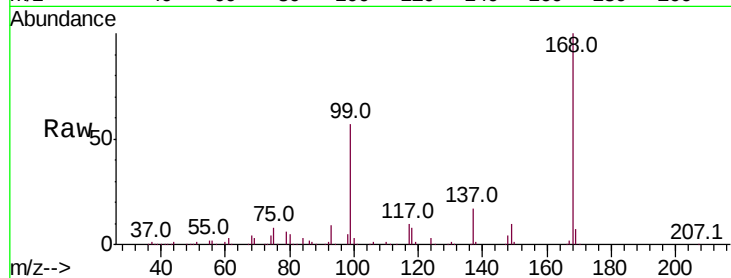
Tot Ion:117 Resp: 25907

Ion Ratio Lower Upper

117 100

119 5.1 75.4 113.0#

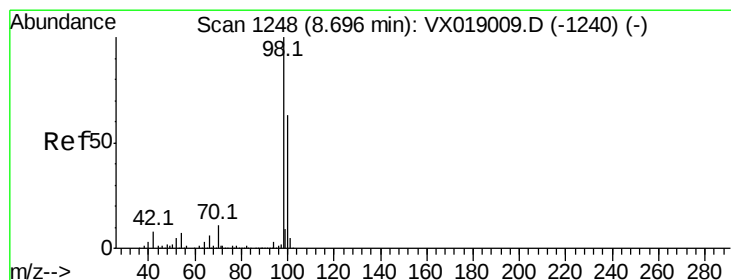
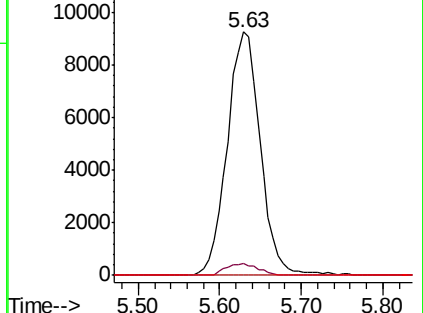
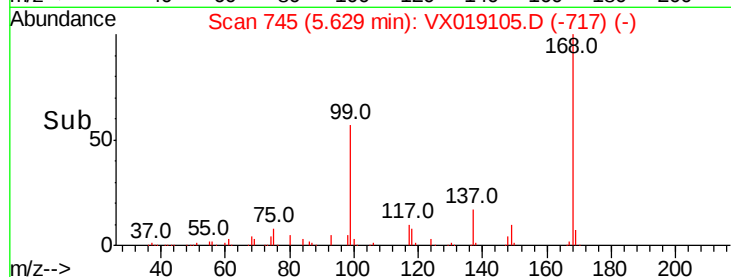
121 0.0 25.0 37.6#



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: 50.601 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019105.D

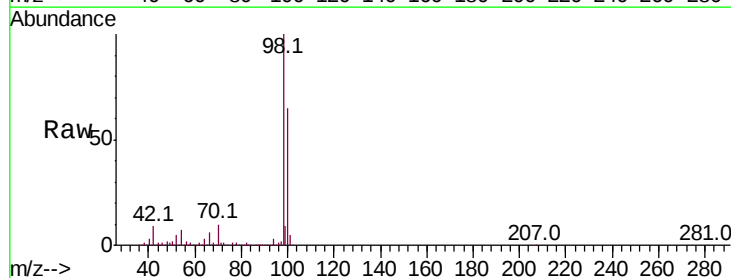
Acq: 24 Oct 2020 04:29

Tgt Ion: 98 Resp: 566611

Ion Ratio Lower Upper

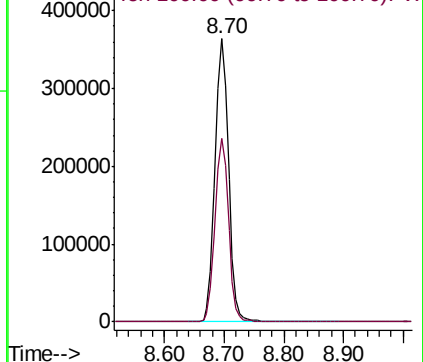
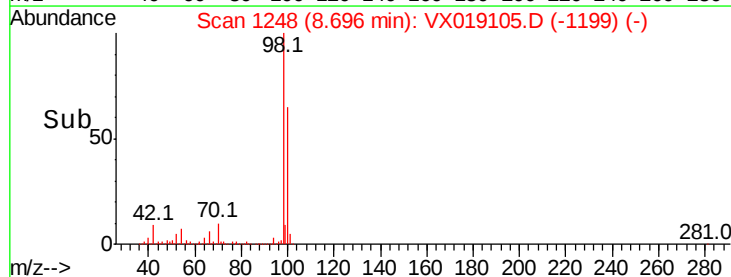
98 100

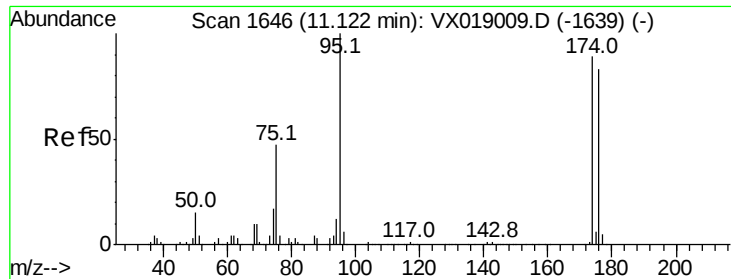
100 65.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 49.334 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019105.D

Acq: 24 Oct 2020 04:29

Instrument :

MSVOA_X

ClientSampleId :

BP-TB-20201015

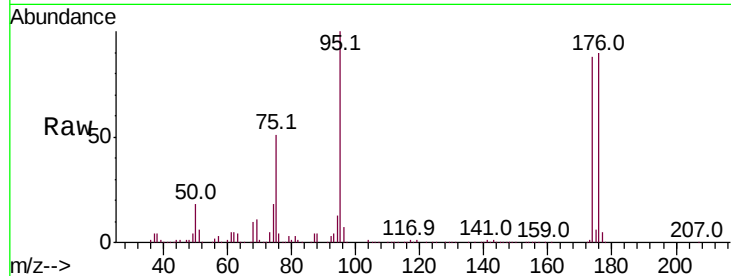
Tot Ion: 95 Resp: 196500

Ion Ratio Lower Upper

95 100

174 86.2 0.0 167.6

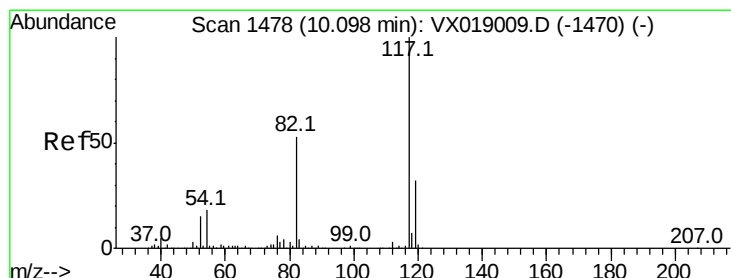
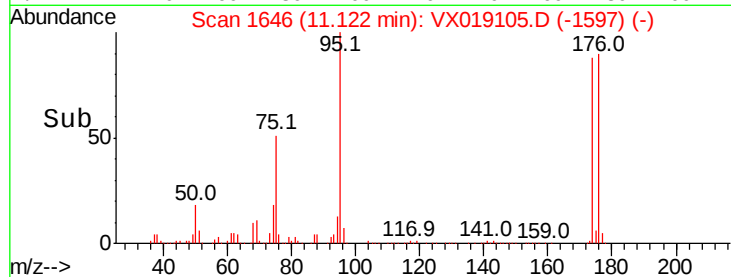
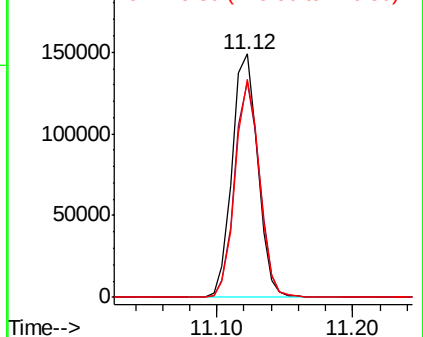
176 84.5 0.0 165.2



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: VX019105.D

Acq: 24 Oct 2020 04:29

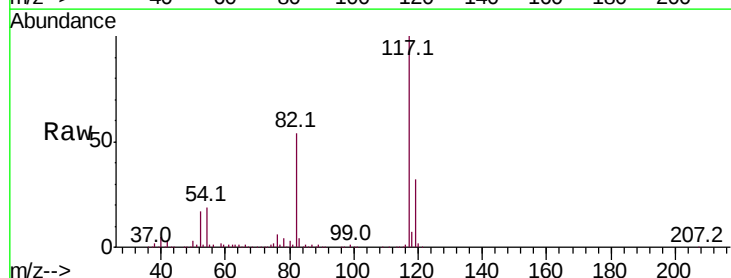
Tgt Ion: 117 Resp: 432651

Ion Ratio Lower Upper

117 100

82 54.2 42.4 63.6

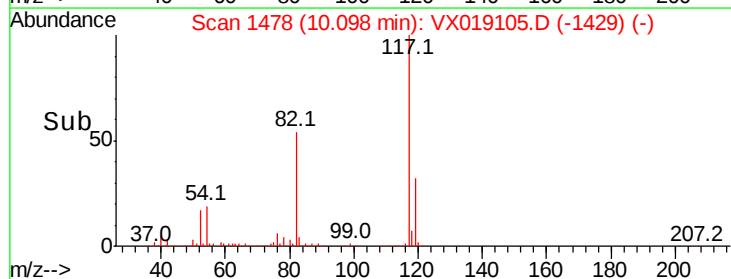
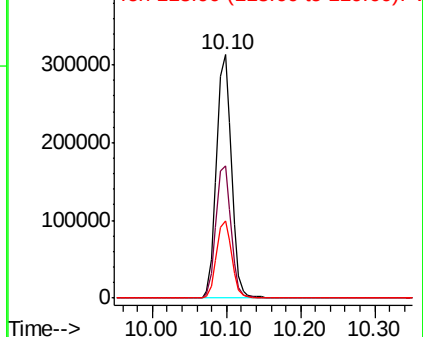
119 32.0 25.6 38.4

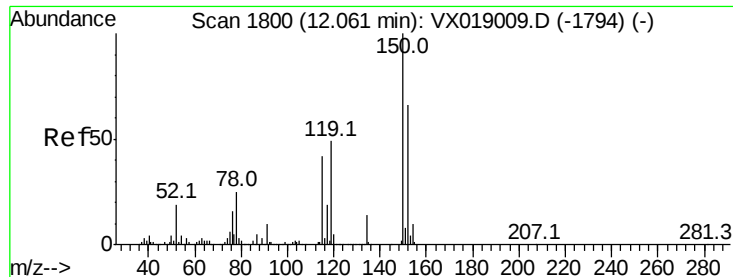


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019105.D

Acq: 24 Oct 2020 04:29

Instrument :

MSVOA_X

ClientSampleId :

BP-TB-20201015

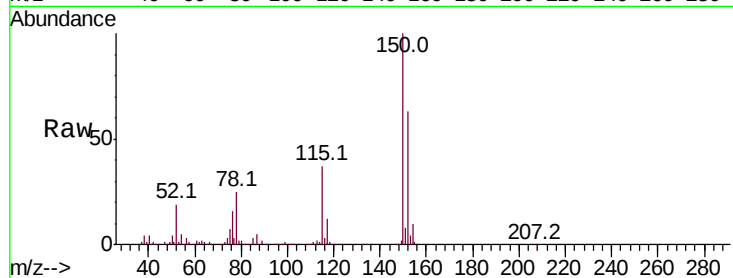
Tot Ion:152 Resp: 218566

Ion Ratio Lower Upper

152 100

115 57.2 40.8 122.5

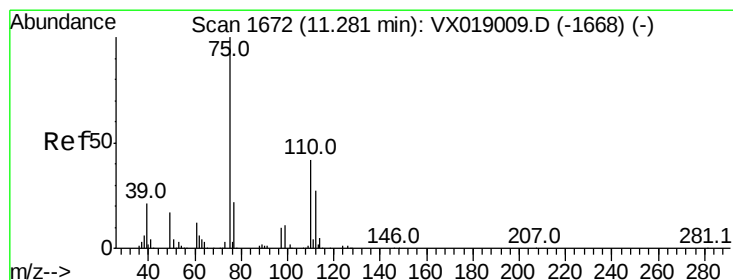
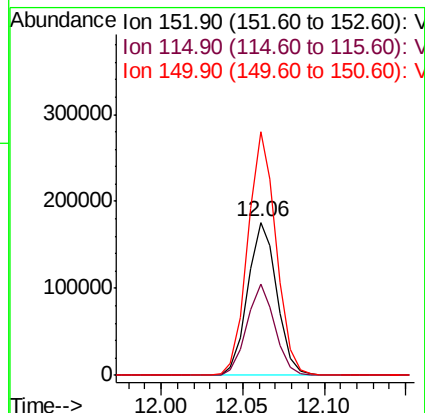
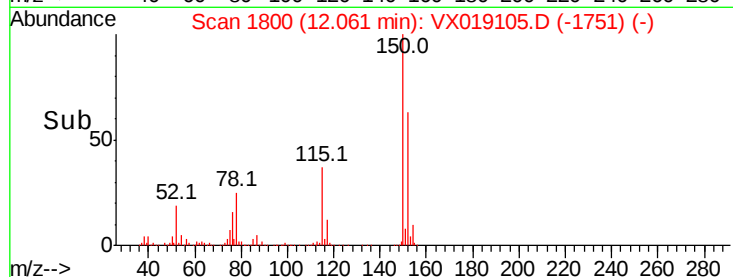
150 155.1 0.0 345.6



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: 22.713 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019105.D

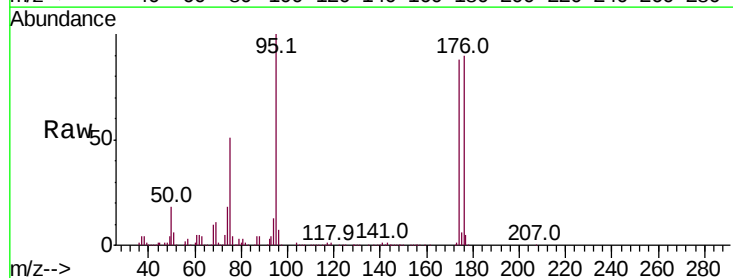
Acq: 24 Oct 2020 04:29

Tgt Ion: 75 Resp: 99221

Ion Ratio Lower Upper

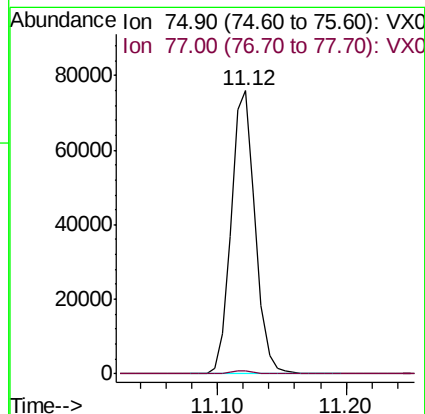
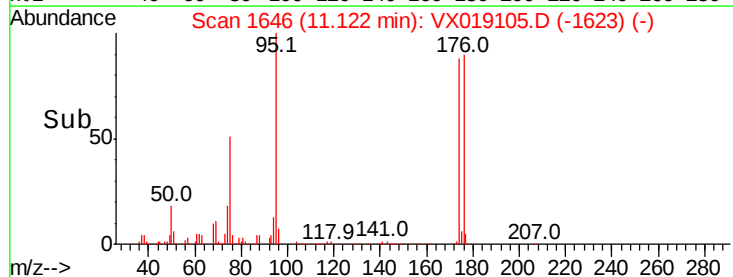
75 100

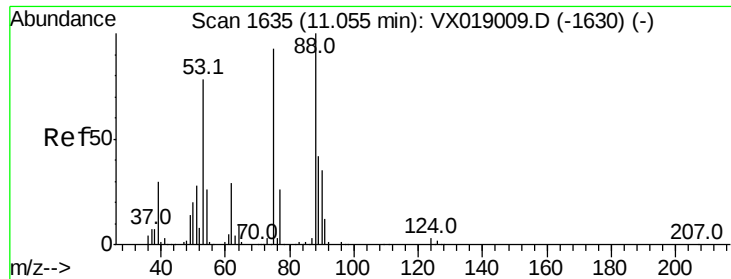
77 1.1 20.7 62.1#



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: 57.867 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019105.D

Acq: 24 Oct 2020 04:29

Instrument :

MSVOA_X

ClientSampleId :

BP-TB-20201015

Tot Ion: 75 Resp: 99221

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#

