

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
 Data File : VX018012.D
 Acq On : 20 Aug 2020 03:06
 Operator : JC/SP
 Sample : L3738-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-GW-398-400

Quant Time: Aug 20 04:28:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	461431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	766566	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	708503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	327022	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	330873	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
35) Dibromofluoromethane	5.46	113	261854	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	
50) Toluene-d8	8.70	98	921132	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	
62) 4-Bromofluorobenzene	11.12	95	324209	43.50	ug/l	0.00
Spiked Amount			Recovery	=	87.00%	

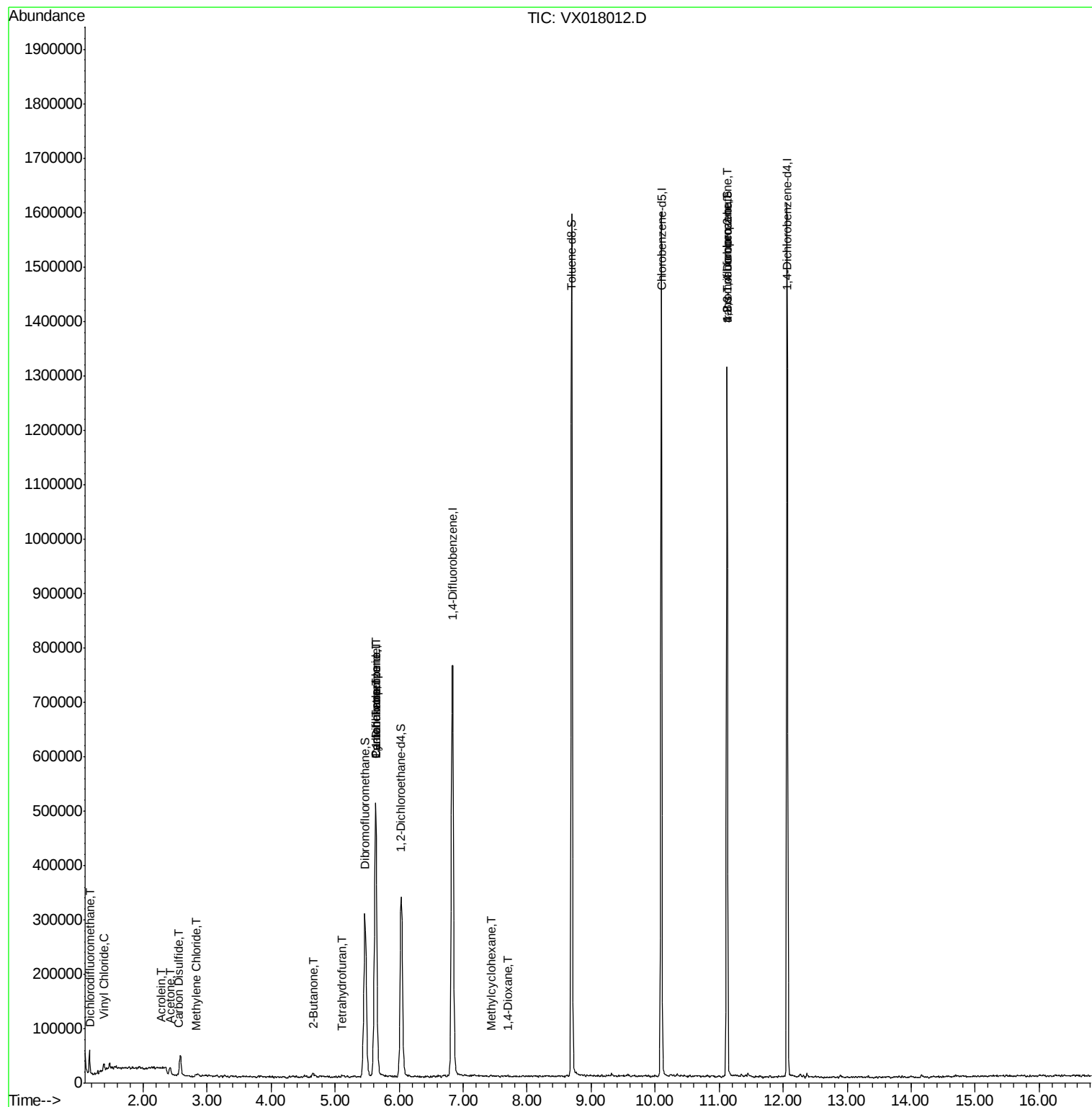
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	377	1.042	ug/l	84
4) Vinyl Chloride	1.39	62	636	2.352	ug/l	97
13) Acrolein	2.28	56	569	0.825	ug/l	95
16) Acetone	2.42	43	13670	5.137	ug/l	93
17) Carbon Disulfide	2.55	76	3770	0.374	ug/l	99
20) Methylene Chloride	2.83	84	1706	0.348	ug/l #	59
25) 2-Butanone	4.66	43	2452	0.609	ug/l #	37
29) Tetrahydrofuran	5.10	42	698	0.279	ug/l #	83
31) Cyclohexane	5.64	56	10551	1.509	ug/l #	21
36) 1,1-Dichloropropene	5.63	75	35830	5.584	ug/l #	51
38) Carbon Tetrachloride	5.63	117	47754	5.751	ug/l #	14
39) Methylcyclohexane	7.45	83	323	0.852	ug/l #	16
49) 1,4-Dioxane	7.71	88	299	2.377	ug/l #	75
76) 1,2,3-Trichloropropane	11.12	75	162712	23.396	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	162712	61.465	ug/l #	12

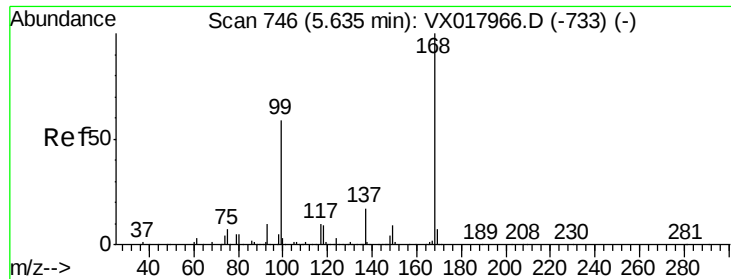
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX018012.D

Acq: 20 Aug 2020 03:06

Instrument :

MSVOA_X

ClientSampleId :

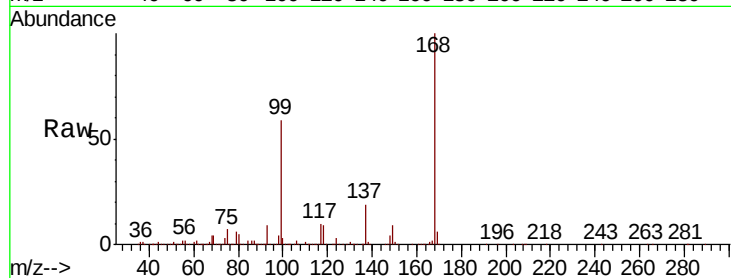
BP-VPB181-GW-398-400

Tot Ion:168 Resp: 461431

Ion Ratio Lower Upper

168 100

99 58.8 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

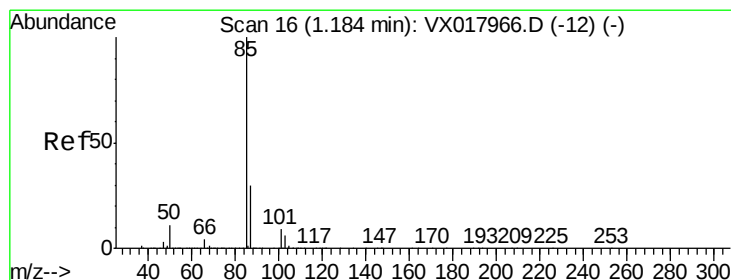
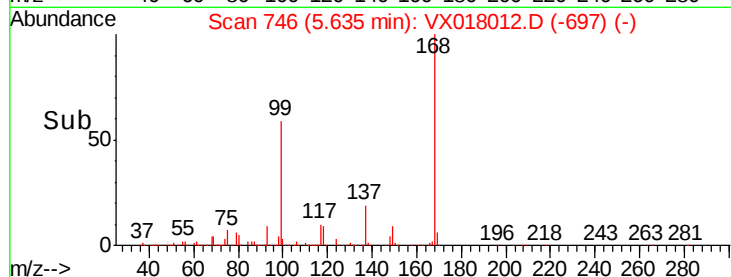
50000

0

5.50 5.60 5.70

5.64

Time-->



#2

Dichlorodifluoromethane

Concen: 1.042 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018012.D

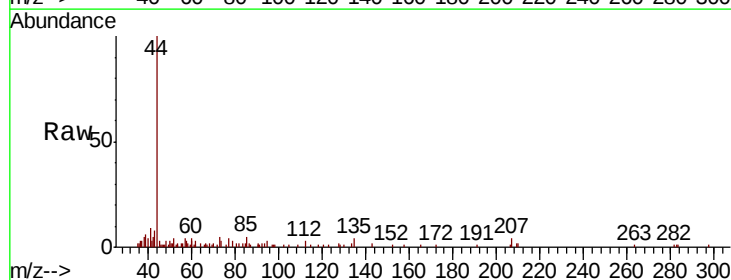
Acq: 20 Aug 2020 03:06

Tgt Ion: 85 Resp: 377

Ion Ratio Lower Upper

85 100

87 21.8 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

200

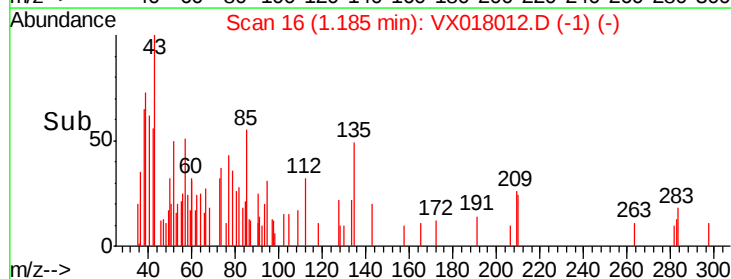
100

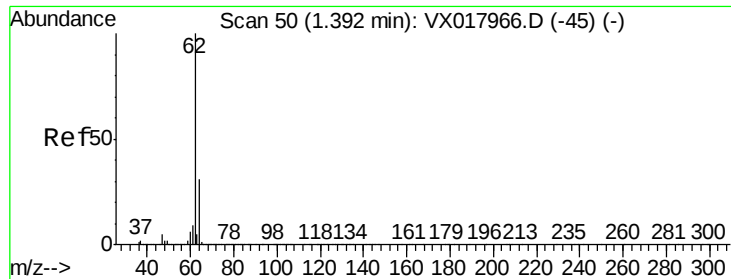
0

1.16 1.18 1.20 1.22

1.18

Time-->





#4

Vinyl Chloride

Concen: 2.352 ug/l

RT: 1.39 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX018012.D

Acq: 20 Aug 2020 03:06

Instrument :

MSVOA_X

ClientSampleId :

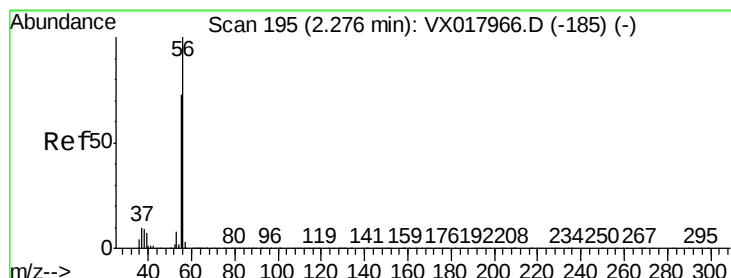
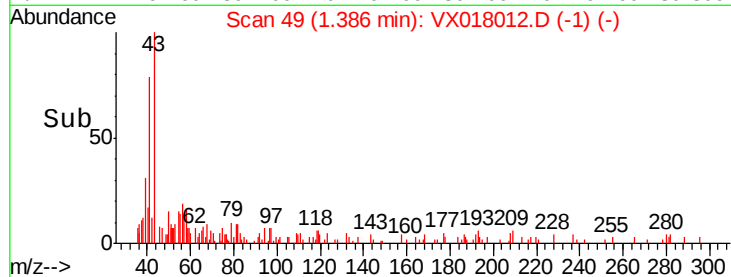
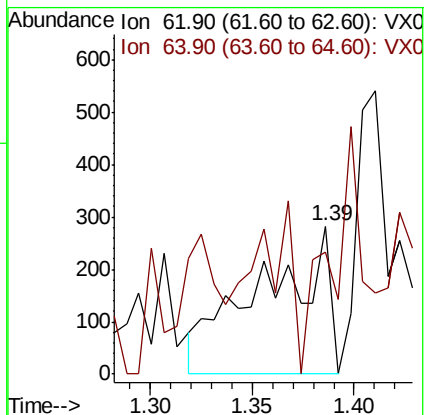
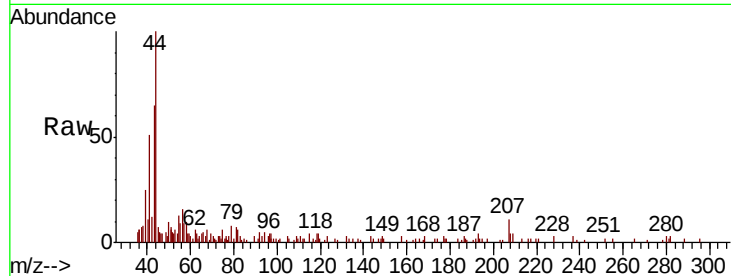
BP-VPB181-GW-398-400

Tot Ion: 62 Resp: 636

Ion Ratio Lower Upper

62 100

64 32.6 24.7 37.1



#13

Acrolein

Concen: 0.825 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX018012.D

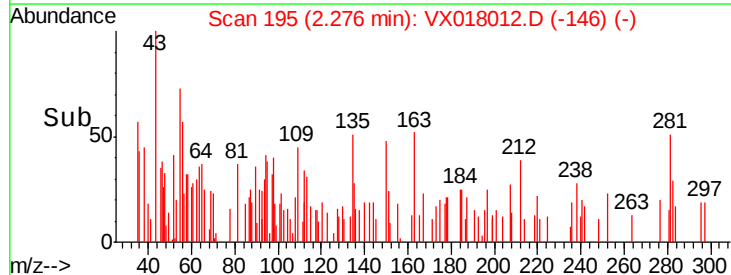
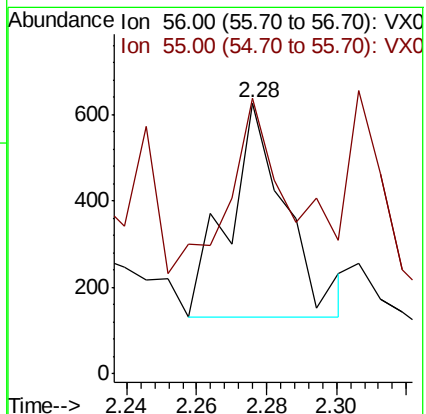
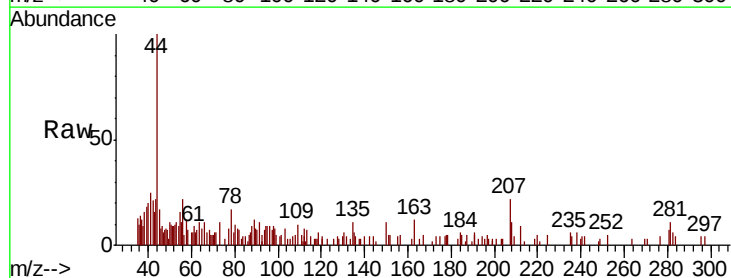
Acq: 20 Aug 2020 03:06

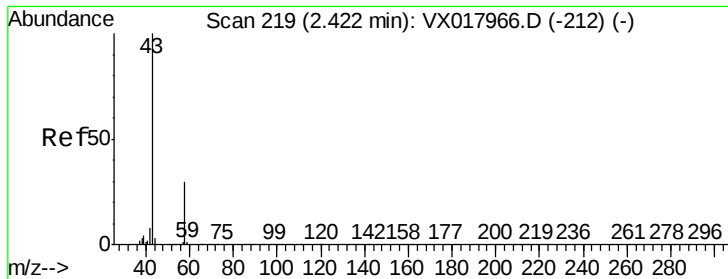
Tgt Ion: 56 Resp: 569

Ion Ratio Lower Upper

56 100

55 68.4 58.2 87.4





#16

Acetone

Concen: 5.137 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018012.D

Acq: 20 Aug 2020 03:06

Instrument :

MSVOA_X

ClientSampleId :

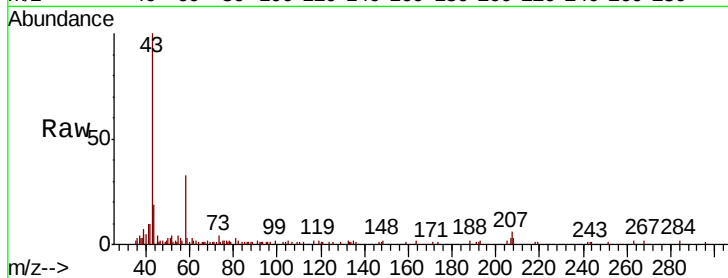
BP-VPB181-GW-398-400

Tot Ion: 43 Resp: 13670

Ion Ratio Lower Upper

43 100

58 33.7 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

8000

6000

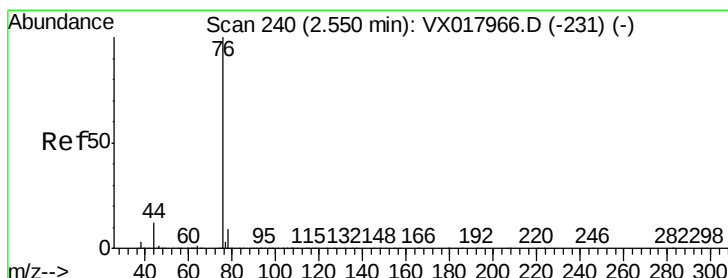
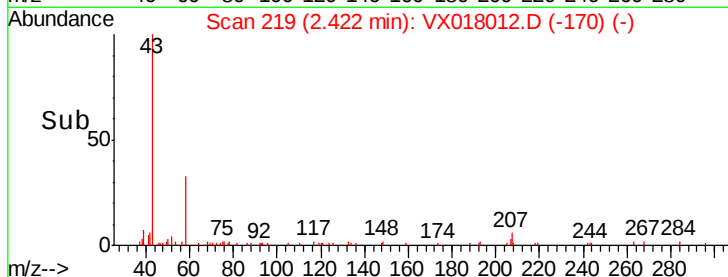
4000

2000

0

Time-->

2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.374 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018012.D

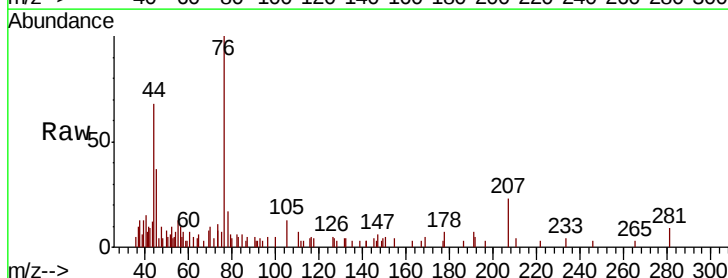
Acq: 20 Aug 2020 03:06

Tgt Ion: 76 Resp: 3770

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

2000

1500

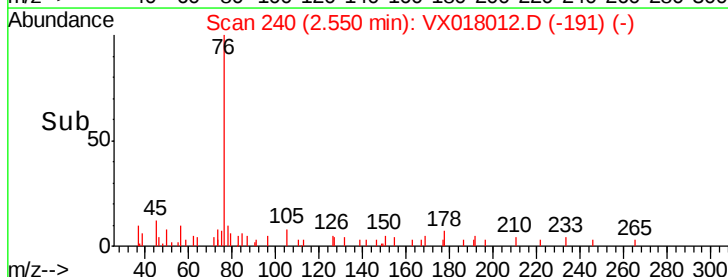
1000

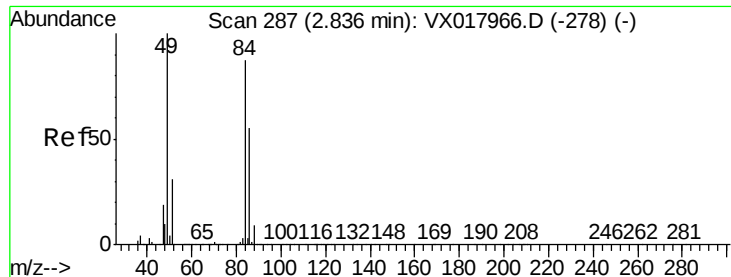
500

0

Time-->

2.50 2.55 2.60

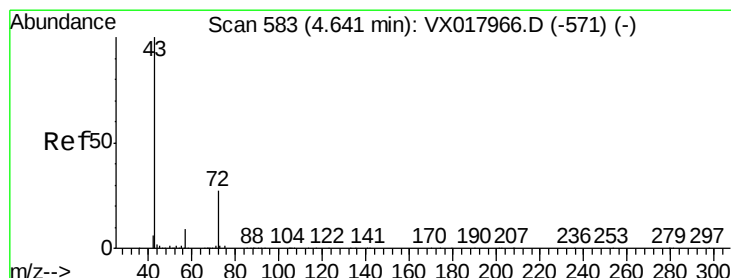
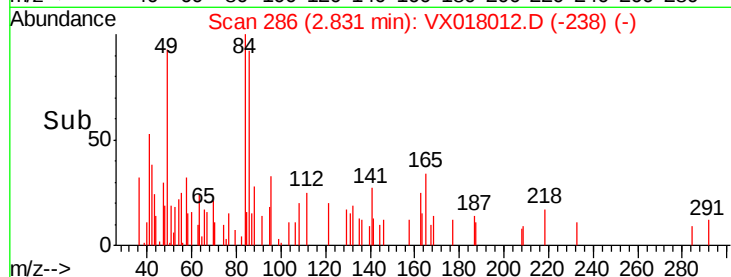
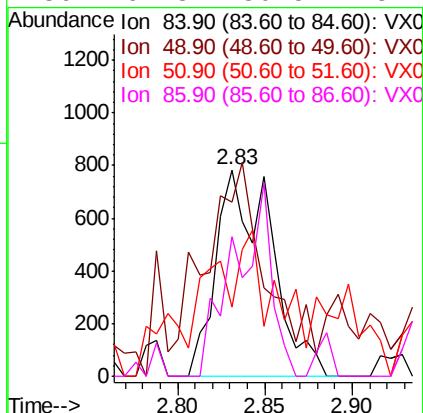
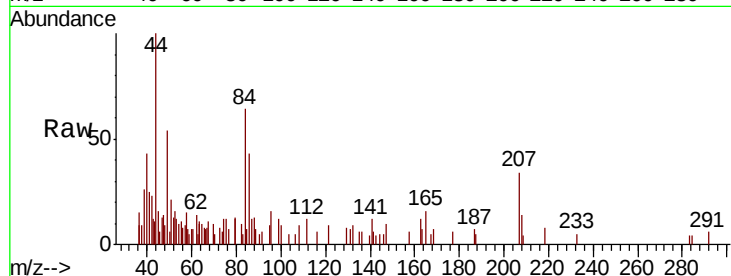




#20
Methvlene Chloride
Concen: 0.348 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018012.D
Acq: 20 Aug 2020 03:06

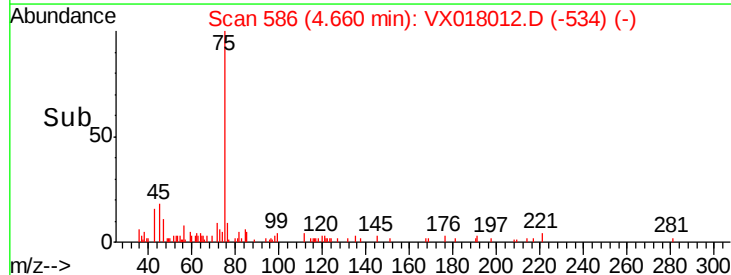
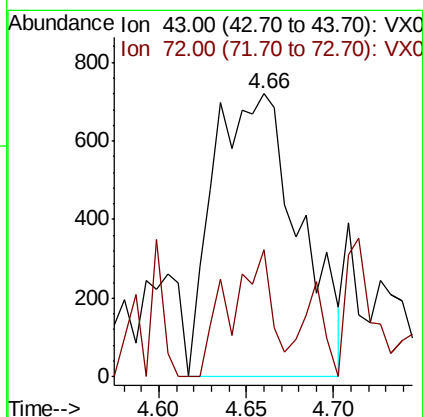
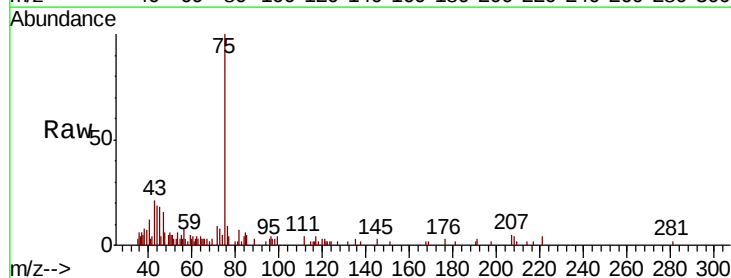
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-398-400

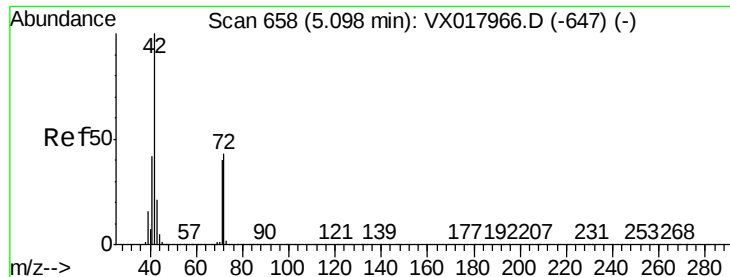
Tot Ion: 84 Resp: 1706
Ion Ratio Lower Upper
84 100
49 44.6 91.8 137.6#
51 20.0 27.8 41.8#
86 67.8 50.5 75.7



#25
2-Butanone
Concen: 0.609 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX018012.D
Acq: 20 Aug 2020 03:06

Tgt Ion: 43 Resp: 2452
Ion Ratio Lower Upper
43 100
72 59.3 21.4 32.2#





#29

Tetrahydrofuran

Concen: 0.279 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX018012.D

Acq: 20 Aug 2020 03:06

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-398-400

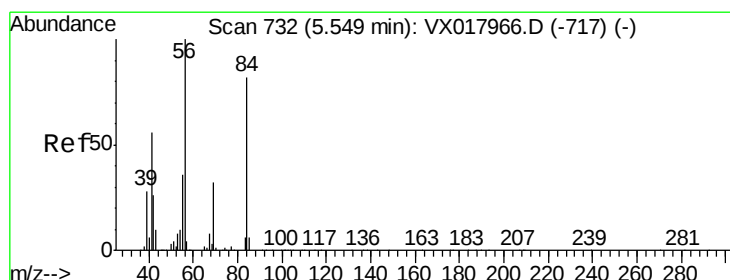
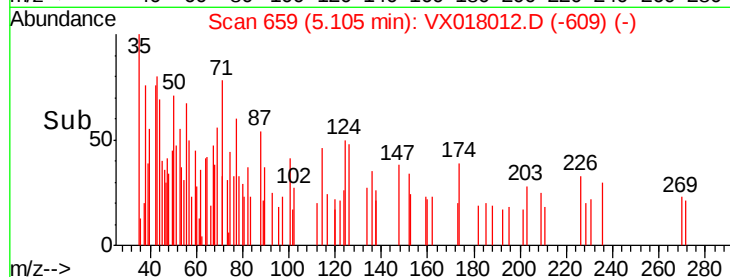
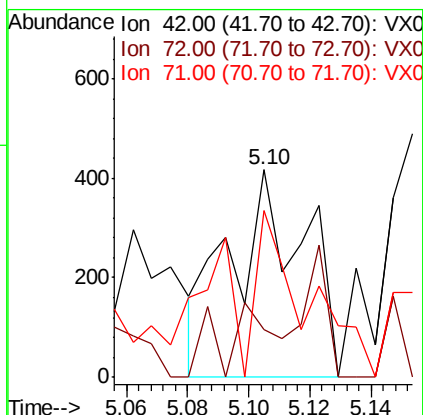
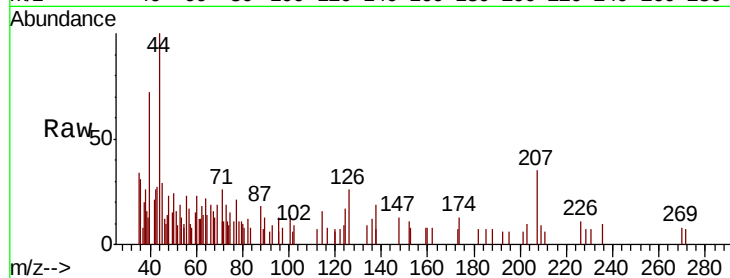
Tot Ion: 42 Resp: 698

Ion Ratio Lower Upper

42 100

72 36.4 35.9 53.9

71 54.7 33.0 49.4#



#31

Cyclohexane

Concen: 1.509 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX018012.D

Acq: 20 Aug 2020 03:06

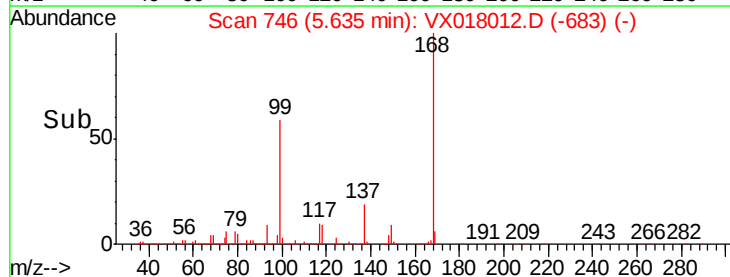
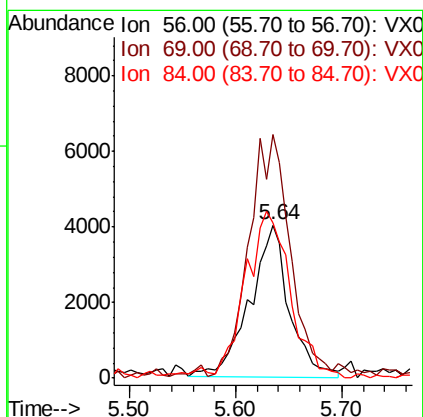
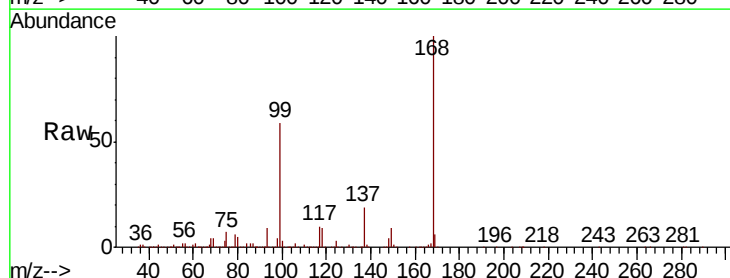
Tgt Ion: 56 Resp: 10551

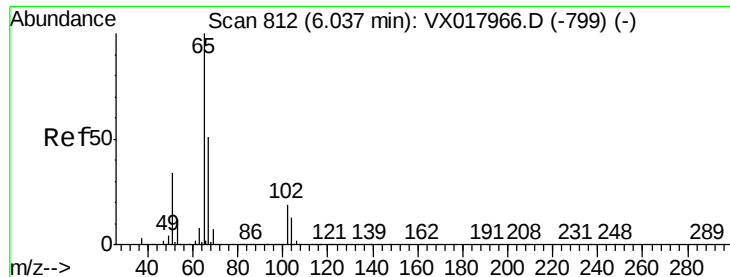
Ion Ratio Lower Upper

56 100

69 158.7 25.3 37.9#

84 100.2 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 48.915 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX018012.D

Acq: 20 Aug 2020 03:06

Instrument :

MSVOA_X

ClientSampleId :

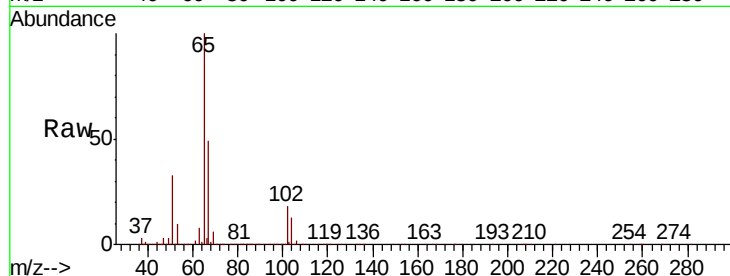
BP-VPB181-GW-398-400

Tot Ion: 65 Resp: 330873

Ion Ratio Lower Upper

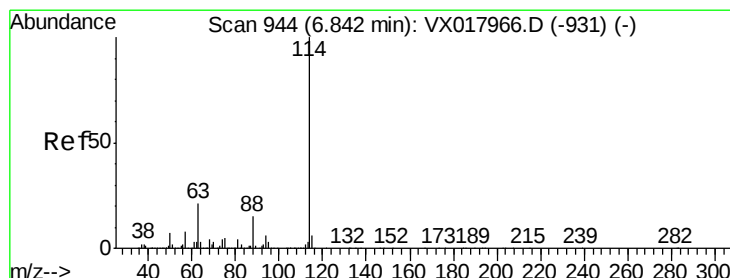
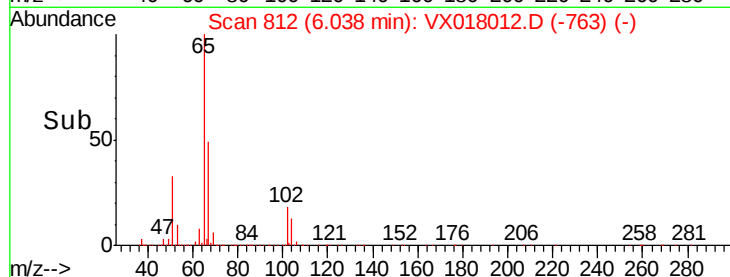
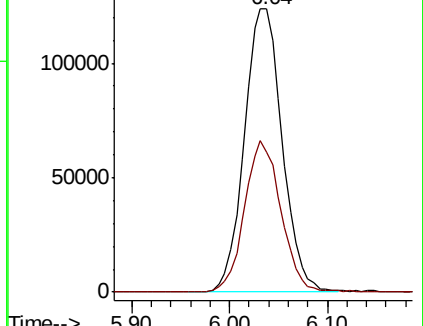
65 100

67 51.5 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: 6.84 min Scan# 943

Delta R.T. -0.01 min

Lab File: VX018012.D

Acq: 20 Aug 2020 03:06

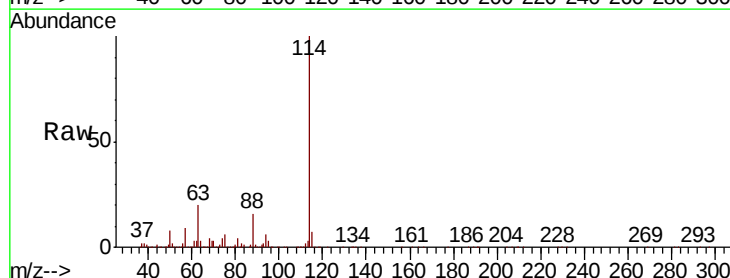
Tgt Ion: 114 Resp: 766566

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

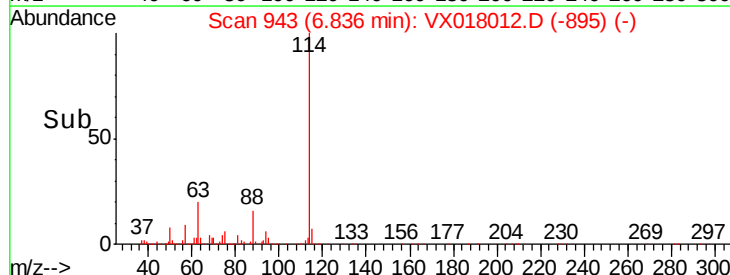
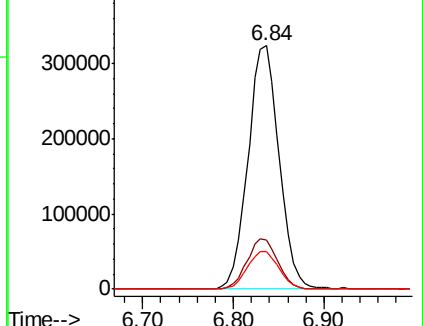
88 15.6 0.0 30.2

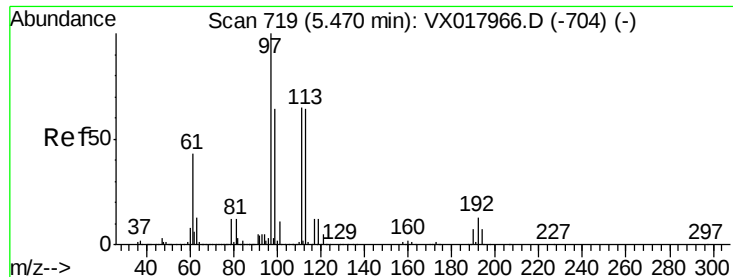


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

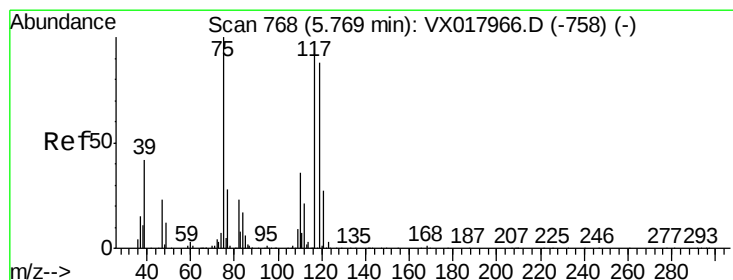
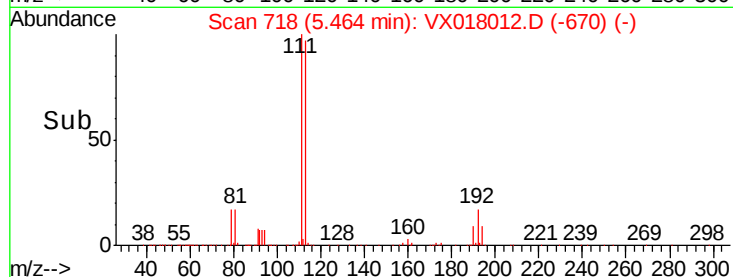
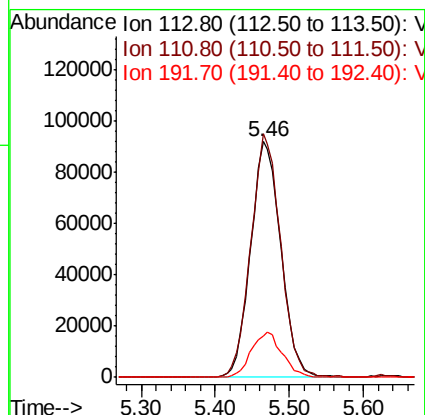
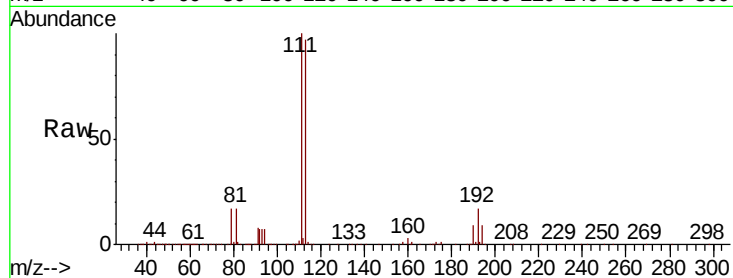




#35
 Dibromofluoromethane
 Concen: 45.871 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018012.D
 Acq: 20 Aug 2020 03:06

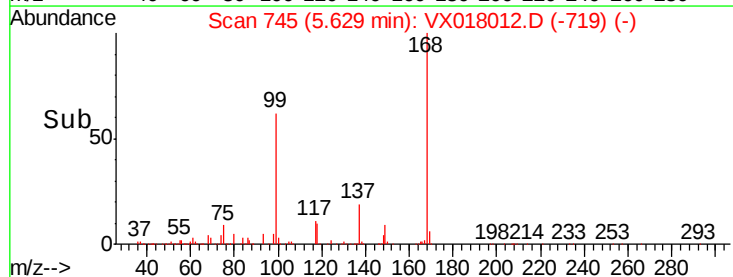
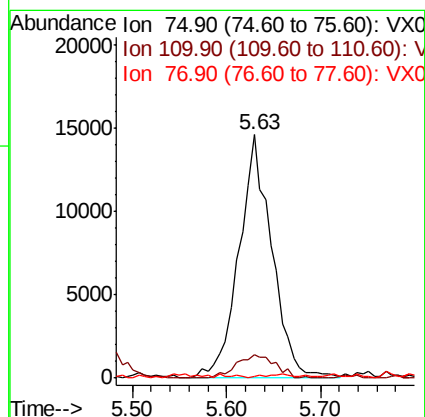
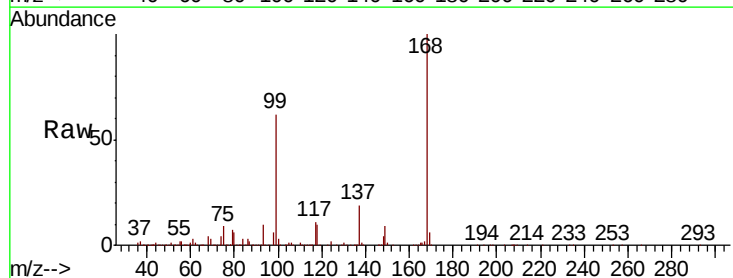
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 BP-VPB181-GW-398-400

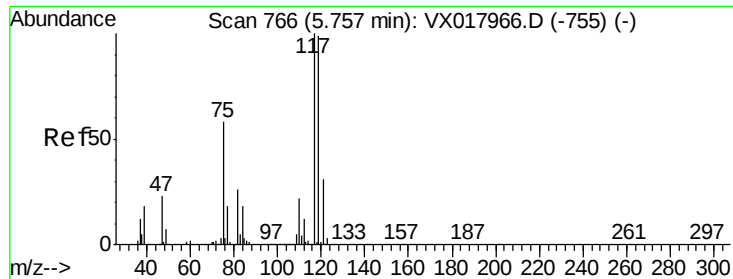
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.5	125.3
192	19.4	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 5.584 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018012.D
 Acq: 20 Aug 2020 03:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.4	18.7	56.1#
77	0.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 5.751 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX018012.D

Acq: 20 Aug 2020 03:06

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-398-400

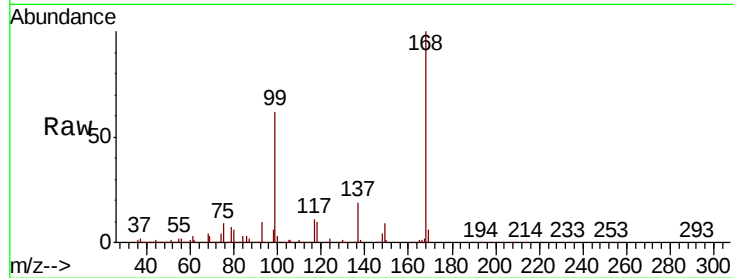
Tot Ion:117 Resp: 47754

Ion Ratio Lower Upper

117 100

119 3.7 79.0 118.6#

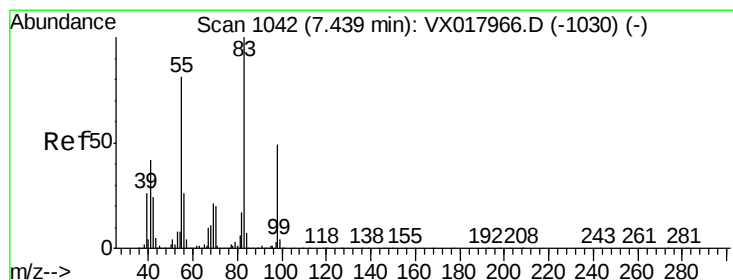
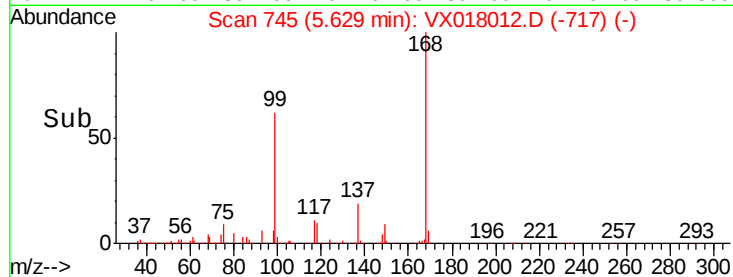
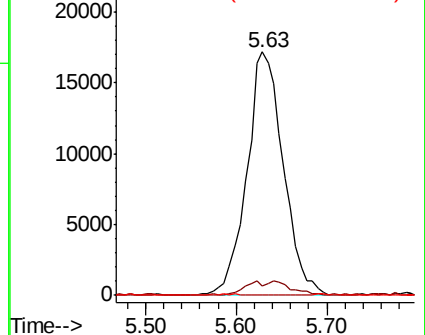
121 0.0 24.7 37.1#



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

Methylcyclohexane

Concen: 0.852 ug/l

RT: 7.45 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VX018012.D

Acq: 20 Aug 2020 03:06

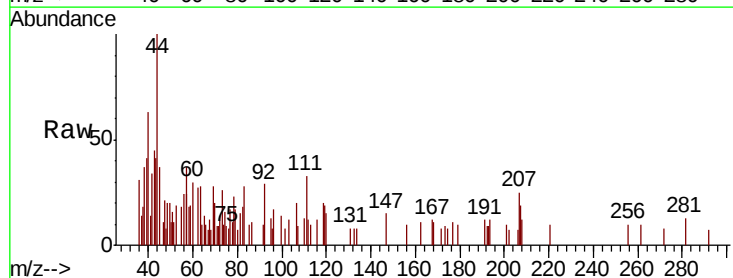
Tgt Ion: 83 Resp: 323

Ion Ratio Lower Upper

83 100

55 0.0 64.5 96.7#

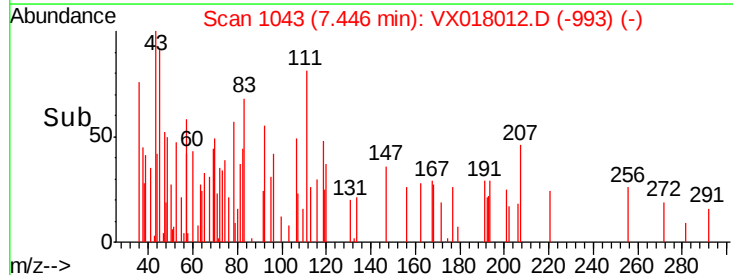
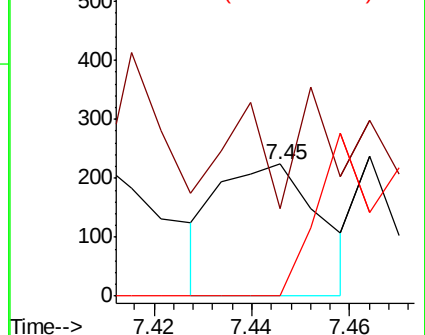
98 0.0 39.0 58.6#

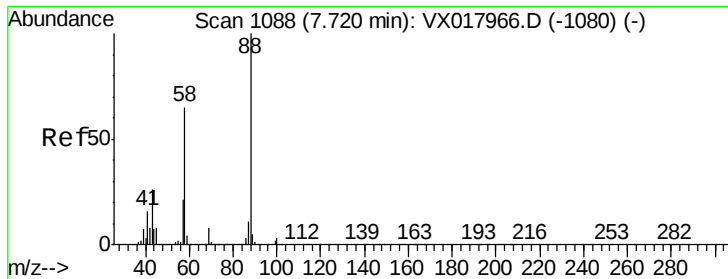


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#49

1,4-Dioxane

Concen: 2.377 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018012.D

Acq: 20 Aug 2020 03:06

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-398-400

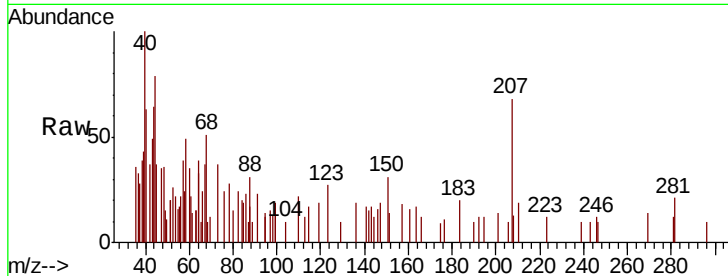
Tot Ion: 88 Resp: 299

Ion Ratio Lower Upper

88 100

43 0.0 27.3 40.9#

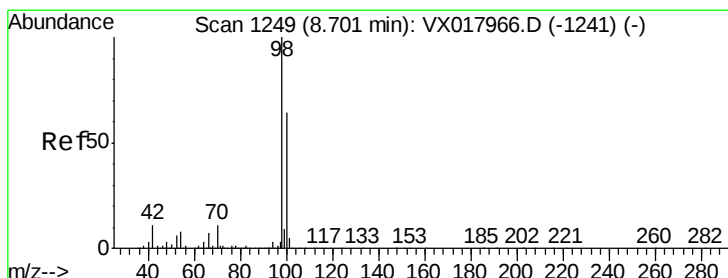
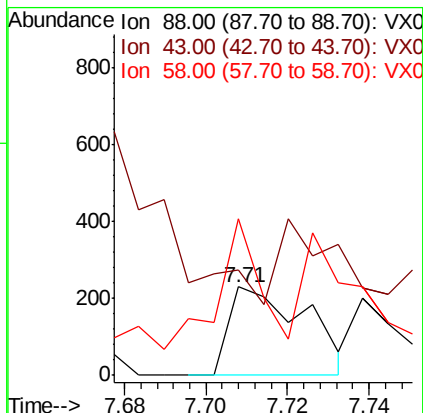
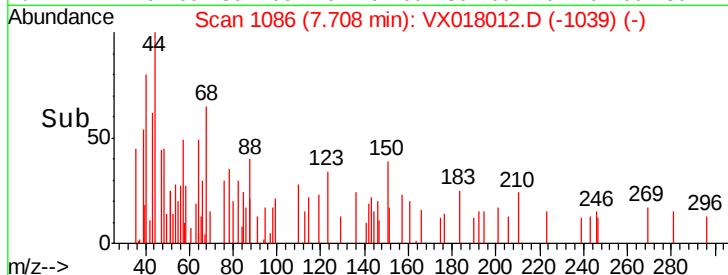
58 79.6 57.7 86.5



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 45.650 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX018012.D

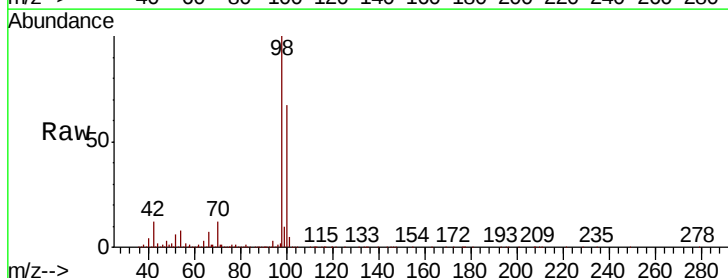
Acq: 20 Aug 2020 03:06

Tgt Ion: 98 Resp: 921132

Ion Ratio Lower Upper

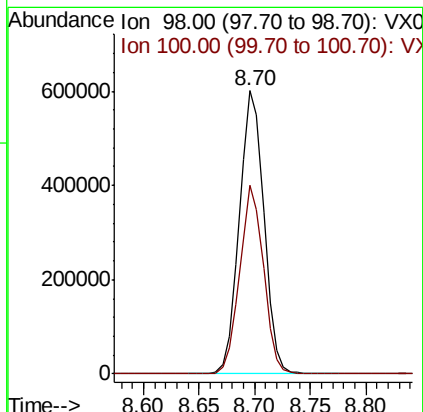
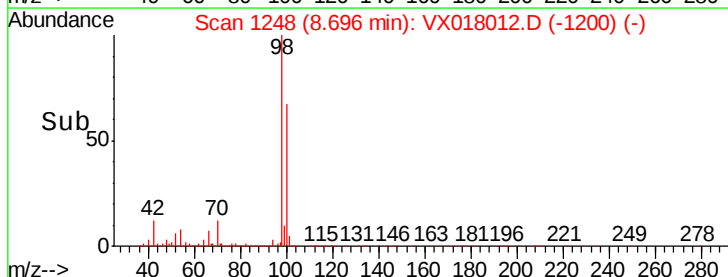
98 100

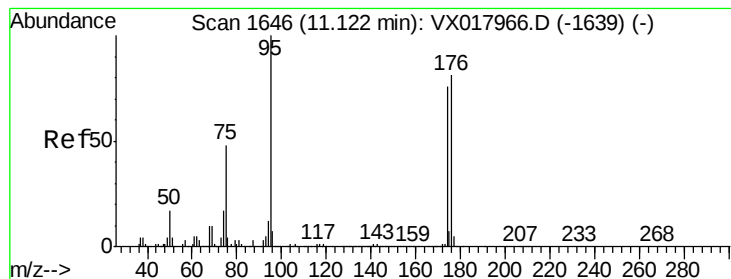
100 64.6 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.502 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018012.D

Acq: 20 Aug 2020 03:06

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-398-400

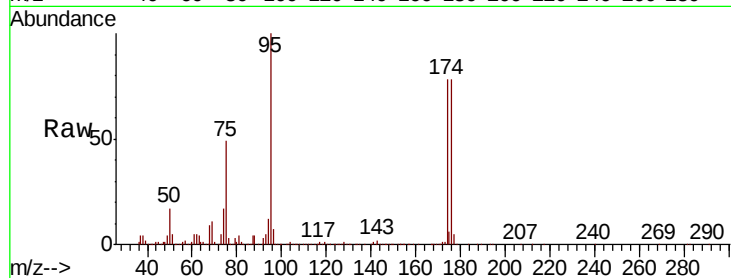
Tot Ion: 95 Resp: 324209

Ion Ratio Lower Upper

95 100

174 79.9 0.0 166.0

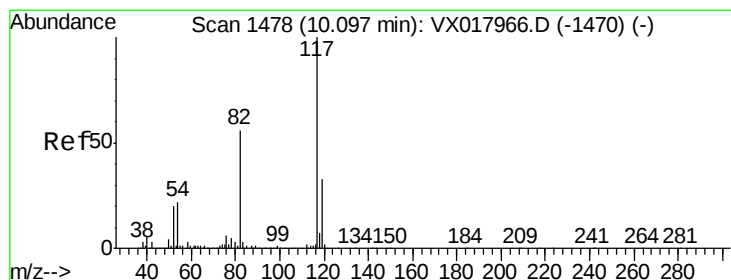
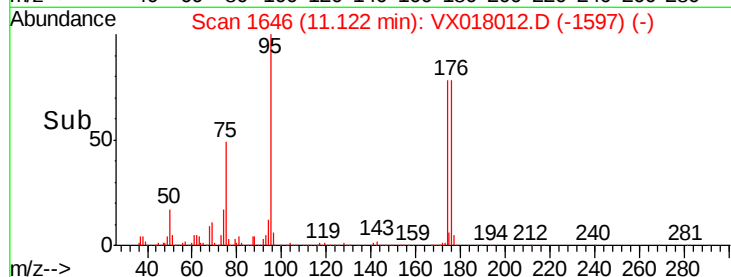
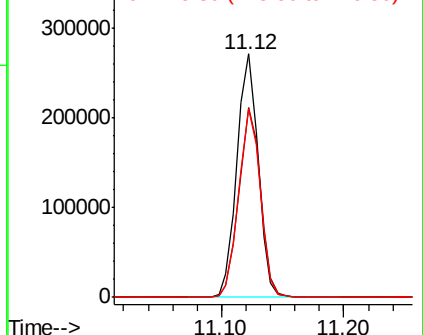
176 78.6 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX017966.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX017966.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX017966.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX018012.D

Acq: 20 Aug 2020 03:06

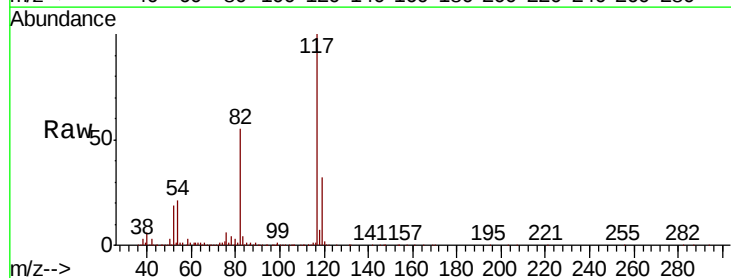
Tgt Ion: 117 Resp: 708503

Ion Ratio Lower Upper

117 100

82 54.9 44.6 66.8

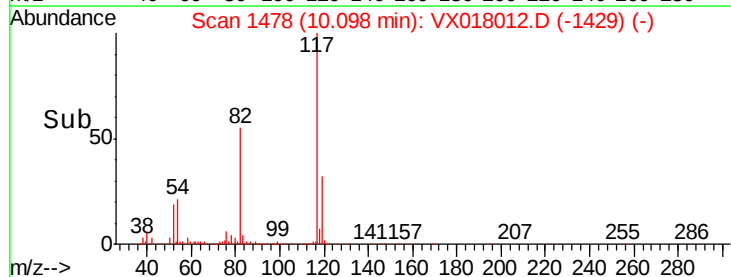
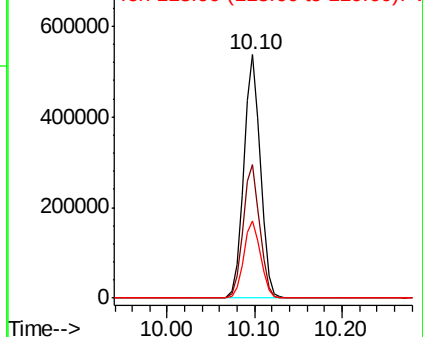
119 31.6 26.2 39.4

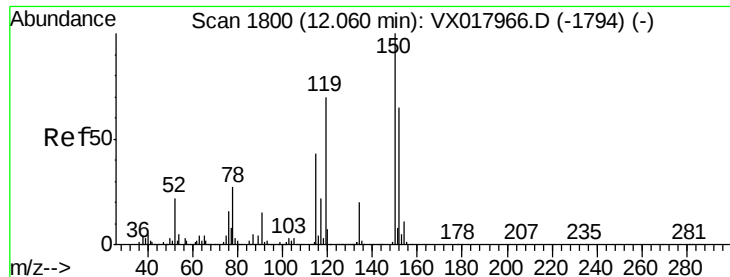


Abundance Ion 116.90 (116.60 to 117.60): VX017966.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX017966.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX017966.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018012.D

Acq: 20 Aug 2020 03:06

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-398-400

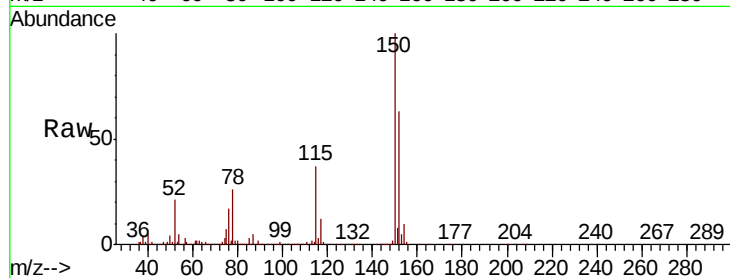
Tot Ion:152 Resp: 327022

Ion Ratio Lower Upper

152 100

115 59.0 40.6 121.7

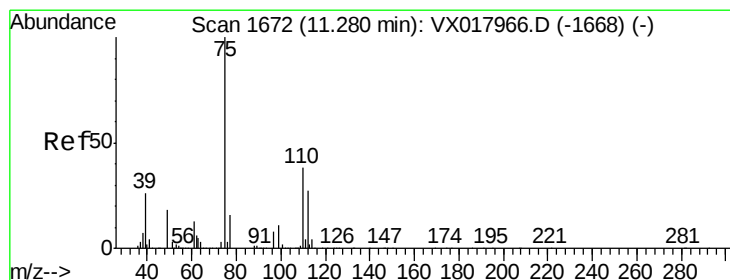
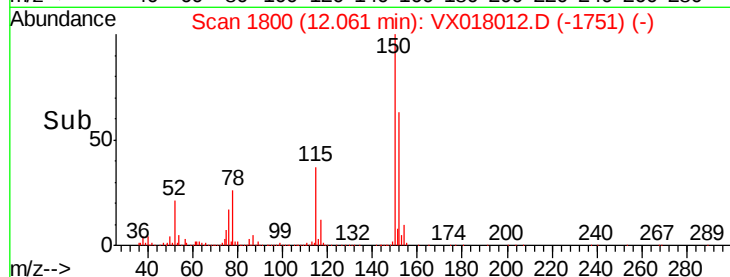
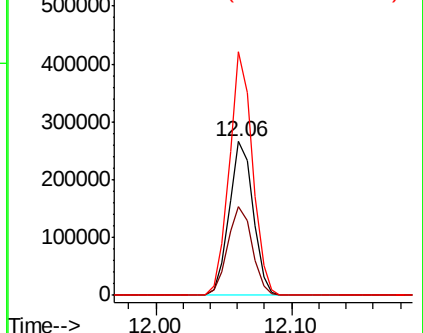
150 152.7 0.0 346.4



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: 23.396 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018012.D

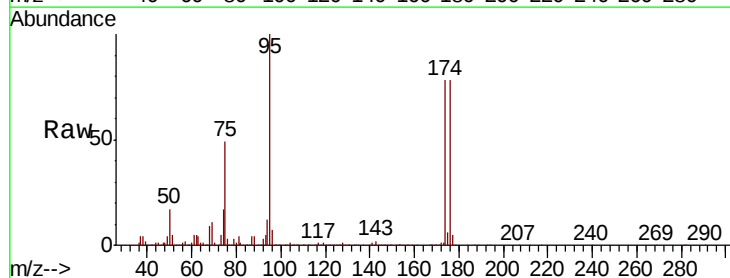
Acq: 20 Aug 2020 03:06

Tgt Ion: 75 Resp: 162712

Ion Ratio Lower Upper

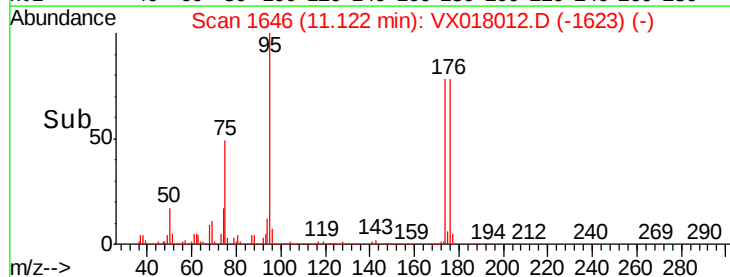
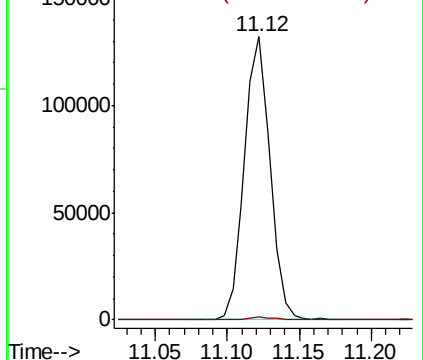
75 100

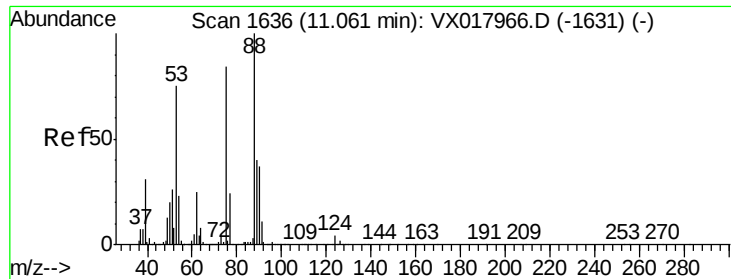
77 1.6 21.1 63.1#



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: 61.465 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018012.D

Acq: 20 Aug 2020 03:06

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-398-400

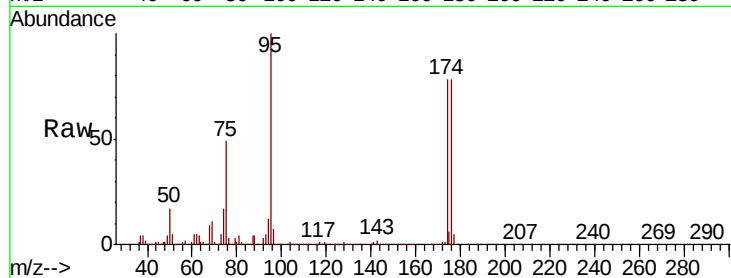
Tot Ion: 75 Resp: 162712

Ion Ratio Lower Upper

75 100

53 0.5 75.2 112.8#

89 0.2 38.4 57.6#



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

