

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX083120\
 Data File : VX018140.D
 Acq On : 31 Aug 2020 12:28
 Operator : JC/SP
 Sample : L3846-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-EB-20200828

Quant Time: Sep 01 05:29:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	615848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1009423	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	945717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	434572	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	421278	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
35) Dibromofluoromethane	5.46	113	341842	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
50) Toluene-d8	8.70	98	1250735	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.12	95	445154	44.19	ug/l	0.00
Spiked Amount			Recovery	=	88.38%	

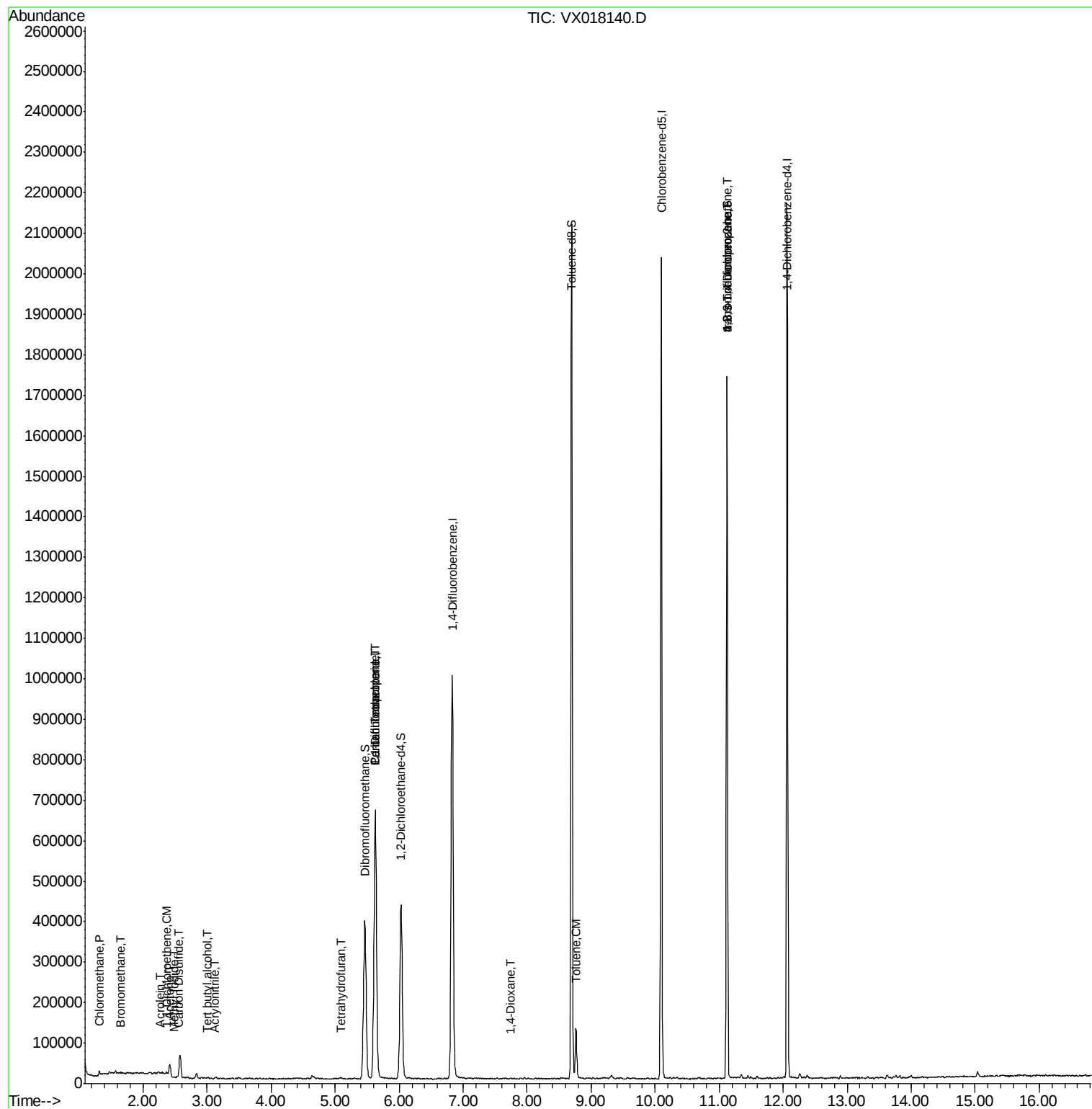
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	6258	0.792	ug/l	94
5) Bromomethane	1.64	94	1460	0.385	ug/l	93
10) Methyl Iodide	2.50	142	1442	5.494	ug/l #	57
11) Tert butyl alcohol	3.01	59	2808	1.689	ug/l #	43
12) 1,1-Dichloroethene	2.36	96	1212	0.201	ug/l #	48
13) Acrolein	2.27	56	936	1.358	ug/l	86
15) Acrylonitrile	3.11	53	1026	0.272	ug/l #	40
16) Acetone	2.42	43	32303	9.696	ug/l	99
17) Carbon Disulfide	2.55	76	5167	0.284	ug/l #	75
20) Methylene Chloride	2.83	84	5971	Below Cal	#	79
29) Tetrahydrofuran	5.09	42	2995	0.859	ug/l #	56
36) 1,1-Dichloropropene	5.62	75	46490	4.993	ug/l #	42
38) Carbon Tetrachloride	5.63	117	63642	6.066	ug/l #	17
49) 1,4-Dioxane	7.73	88	229	1.454	ug/l #	90
52) Toluene	8.76	92	45655	2.632	ug/l	94
76) 1,2,3-Trichloropropane	11.12	75	223978	23.169	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	223978	62.575	ug/l #	12

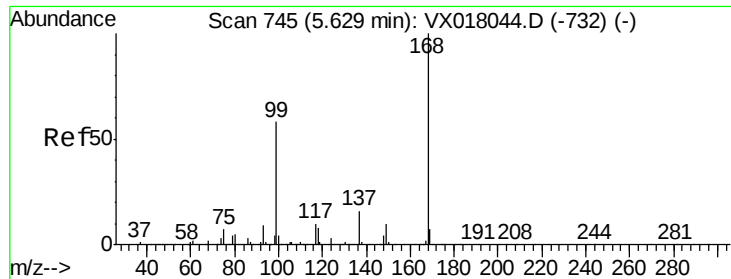
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration

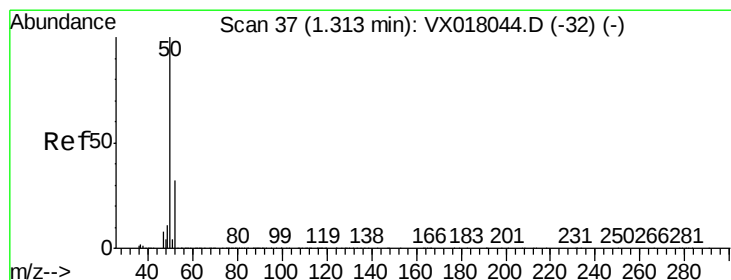
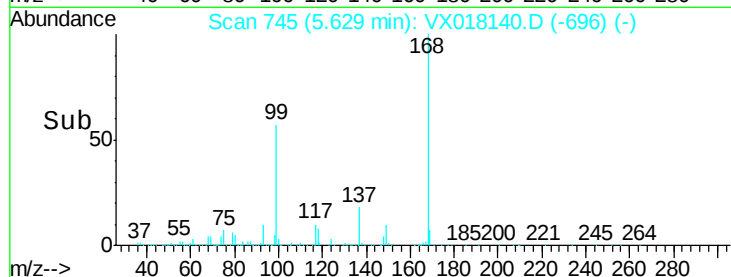
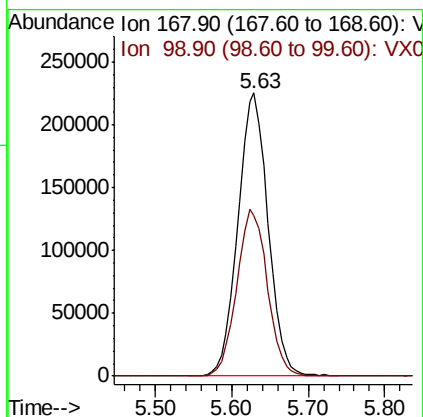
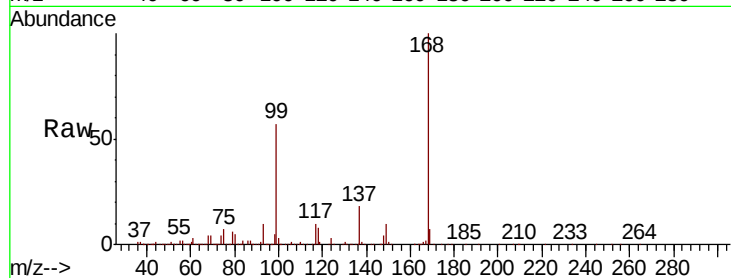




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.00 min
Lab File: VX018140.D
Acq: 31 Aug 2020 12:28

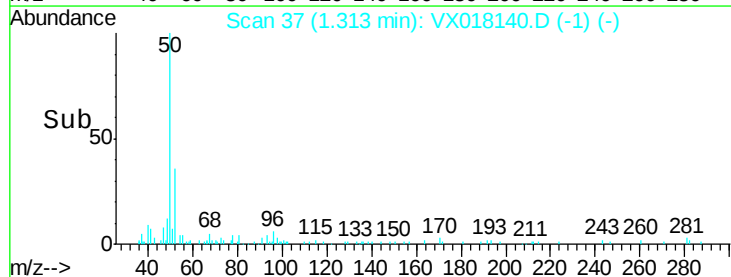
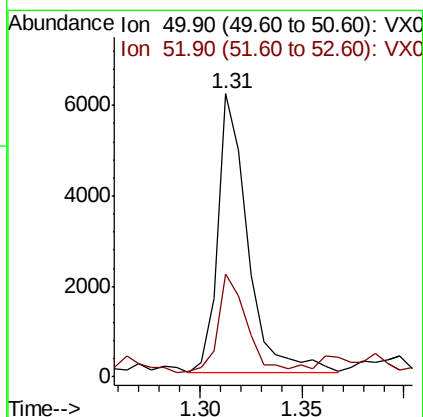
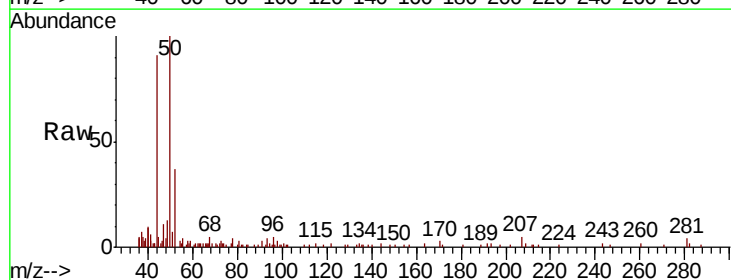
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-EB-20200828

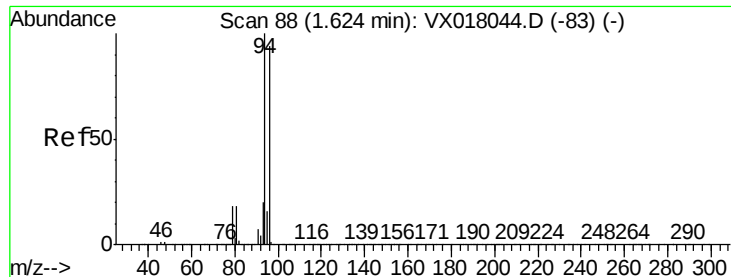
Tot Ion:168 Resp: 615848
Ion Ratio Lower Upper
168 100
99 56.6 46.3 69.5



#3
Chloromethane
Concen: 0.792 ug/l
RT: 1.31 min Scan# 37
Delta R.T. -0.00 min
Lab File: VX018140.D
Acq: 31 Aug 2020 12:28

Tgt Ion: 50 Resp: 6258
Ion Ratio Lower Upper
50 100
52 35.3 25.4 38.2





#5

Bromomethane

Concen: 0.385 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018140.D

Acq: 31 Aug 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

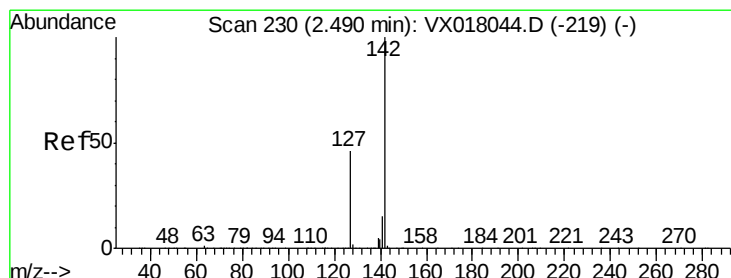
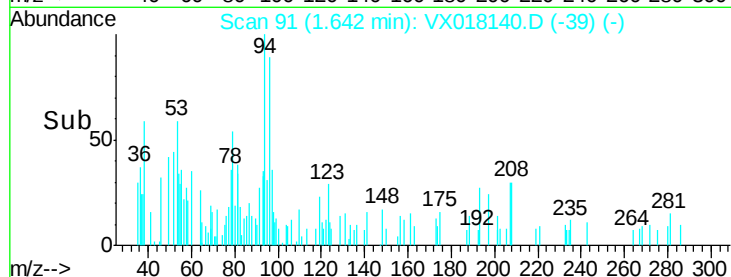
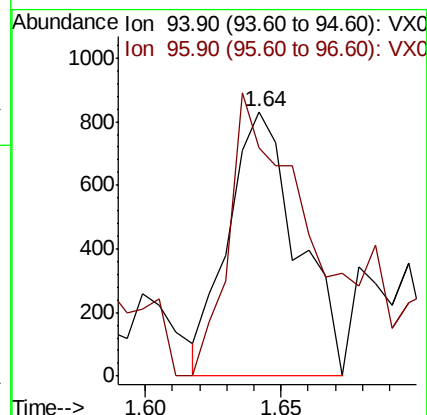
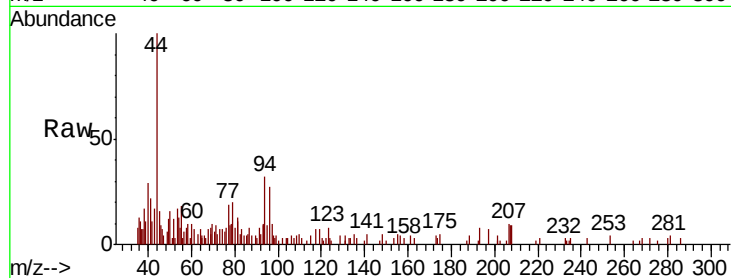
BP-VPB181-EB-20200828

Tot Ion: 94 Resp: 1460

Ion Ratio Lower Upper

94 100

96 86.3 74.8 112.2



#10

Methyl Iodide

Concen: 5.494 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018140.D

Acq: 31 Aug 2020 12:28

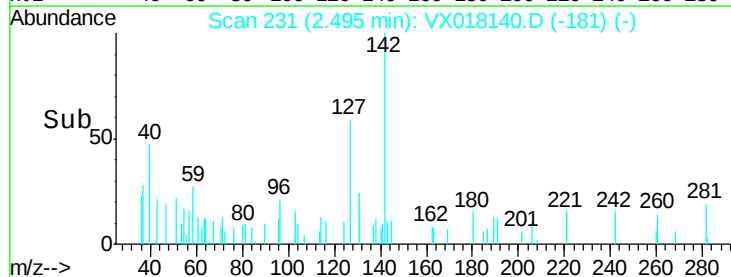
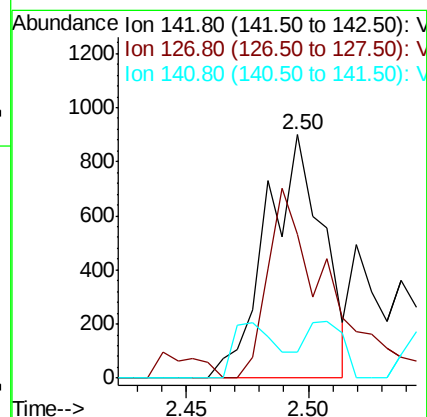
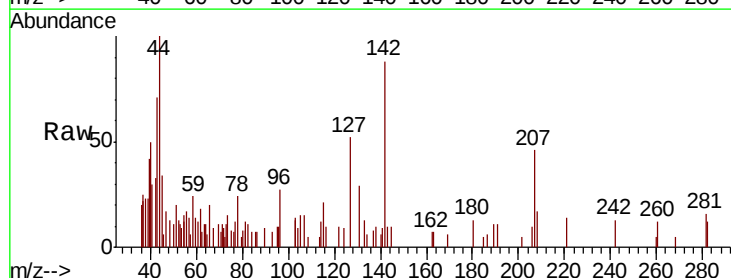
Tgt Ion: 142 Resp: 1442

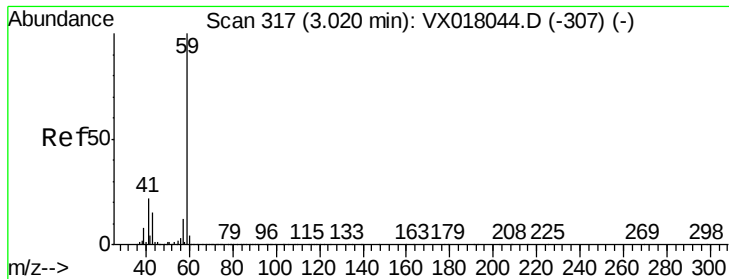
Ion Ratio Lower Upper

142 100

127 82.7 37.0 55.6#

141 16.4 11.5 17.3

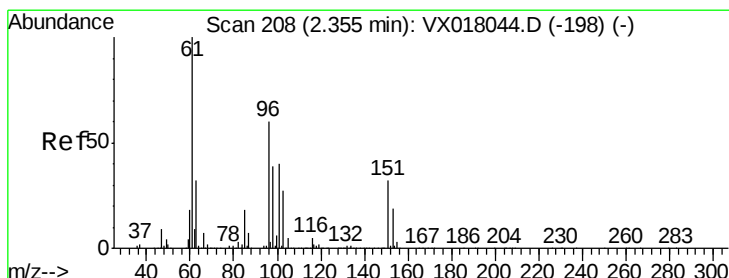
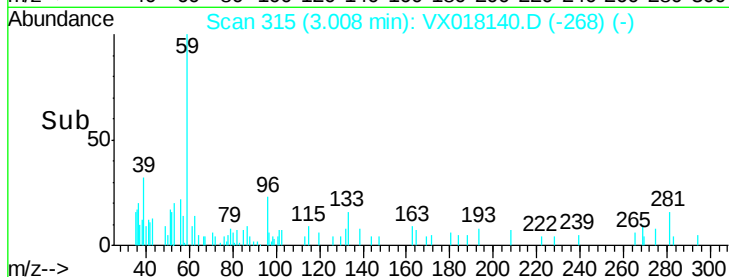
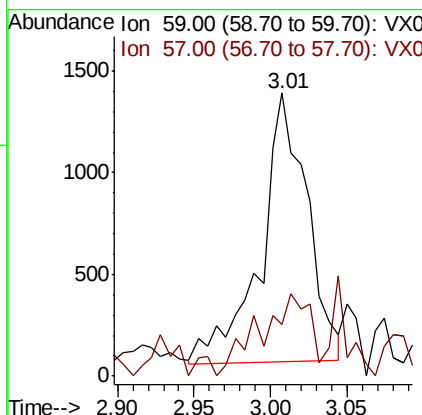
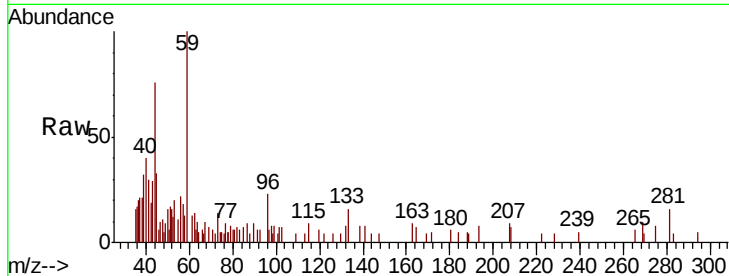




#11
Tert butyl alcohol
Concen: 1.689 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018140.D
Acq: 31 Aug 2020 12:28

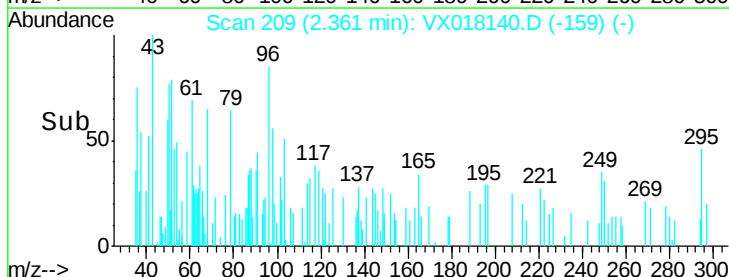
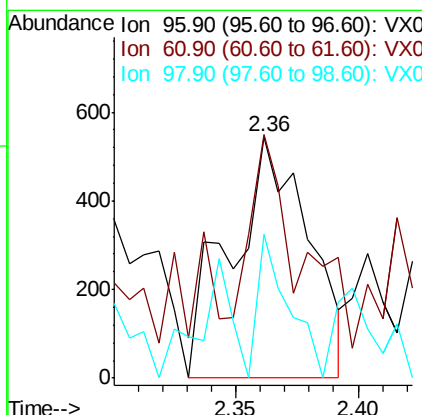
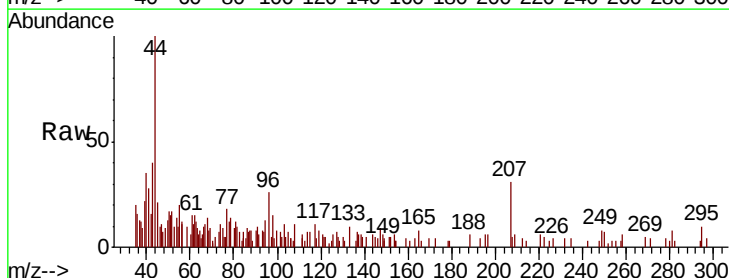
Instrument :
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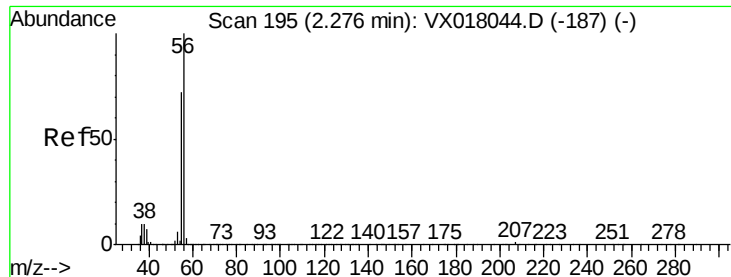
Tot Ion: 59 Resp: 2808
Ion Ratio Lower Upper
59 100
57 32.8 8.9 13.3#



#12
1,1-Dichloroethene
Concen: 0.201 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX018140.D
Acq: 31 Aug 2020 12:28

Tgt Ion: 96 Resp: 1212
Ion Ratio Lower Upper
96 100
61 83.9 133.0 199.4#
98 42.0 51.6 77.4#





#13

Acrolein

Concen: 1.358 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018140.D

Acq: 31 Aug 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

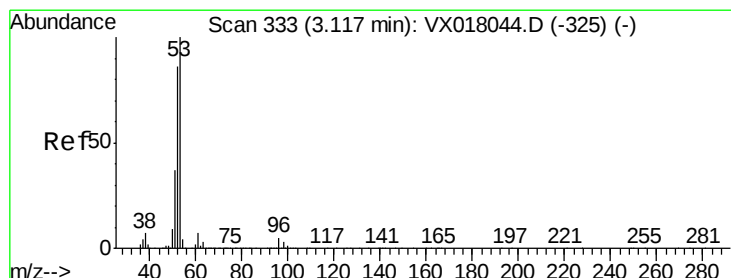
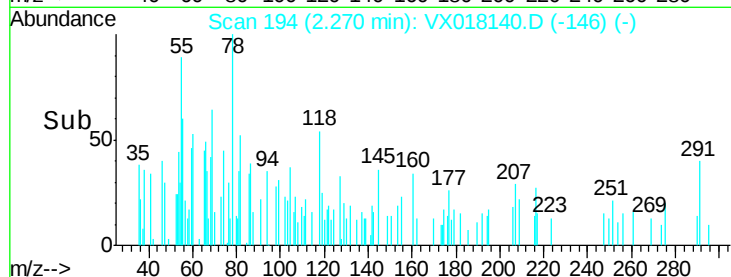
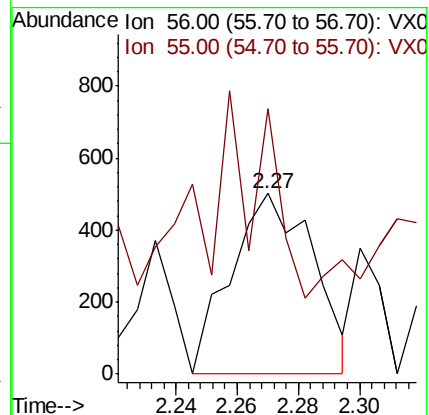
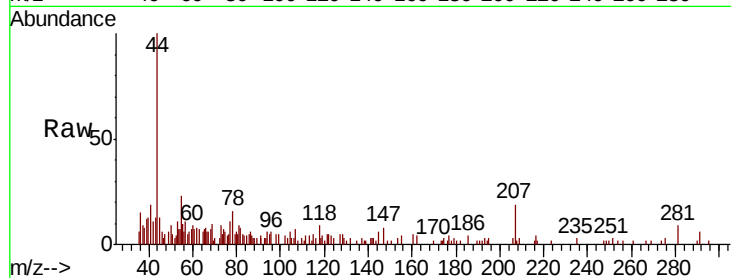
BP-VPB181-EB-20200828

Tot Ion: 56 Resp: 936

Ion Ratio Lower Upper

56 100

55 83.1 57.0 85.6



#15

Acrylonitrile

Concen: 0.272 ug/l

RT: 3.11 min Scan# 331

Delta R.T. -0.01 min

Lab File: VX018140.D

Acq: 31 Aug 2020 12:28

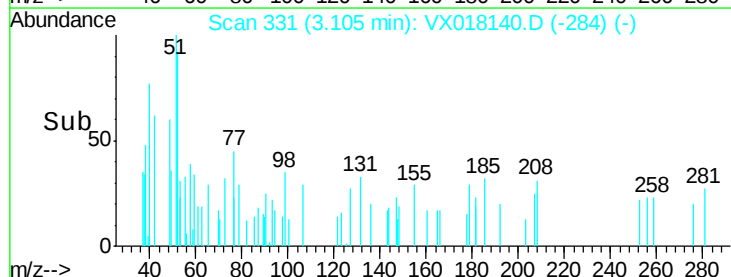
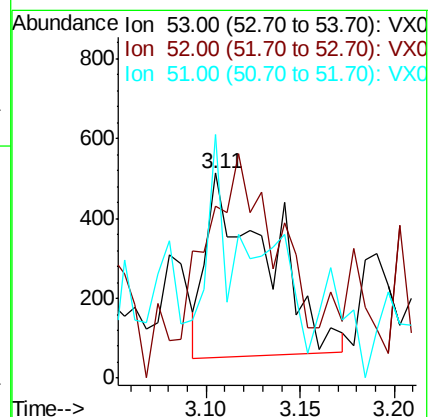
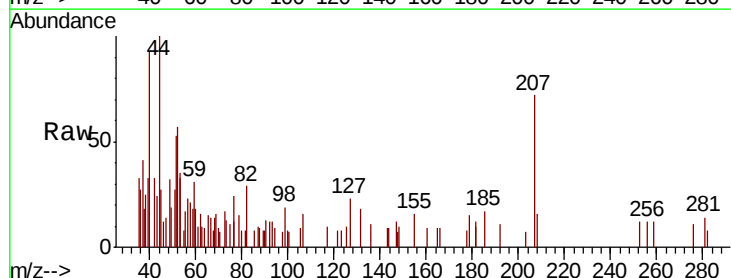
Tgt Ion: 53 Resp: 1026

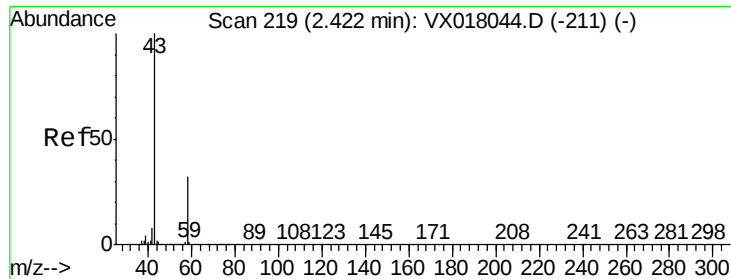
Ion Ratio Lower Upper

53 100

52 161.3 66.9 100.3#

51 36.3 28.7 43.1

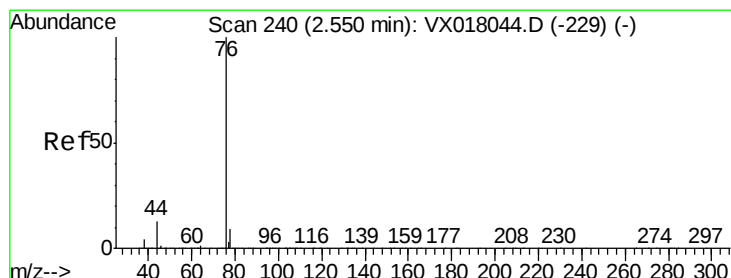
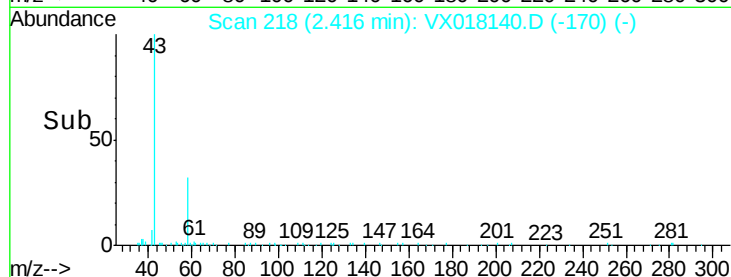
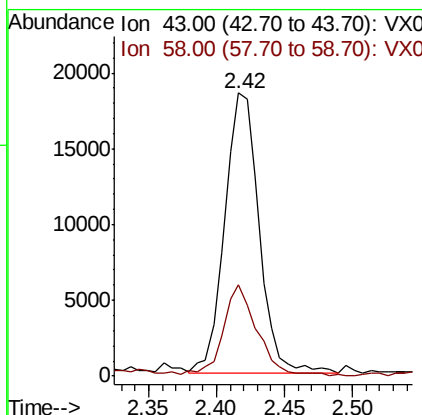
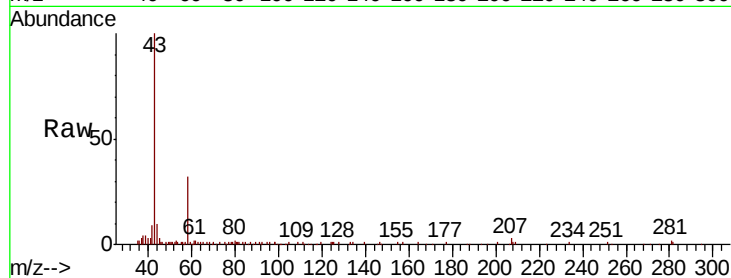




#16
Acetone
Concen: 9.696 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018140.D
Acq: 31 Aug 2020 12:28

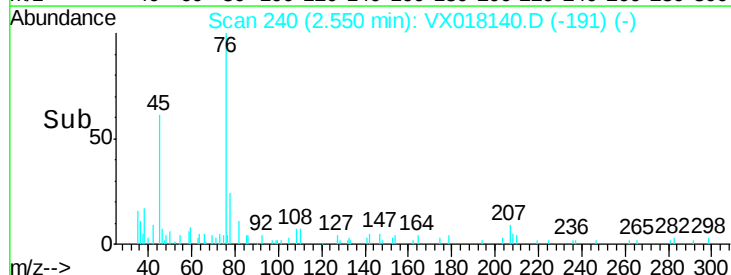
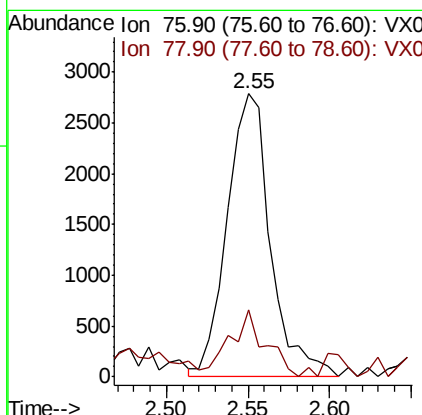
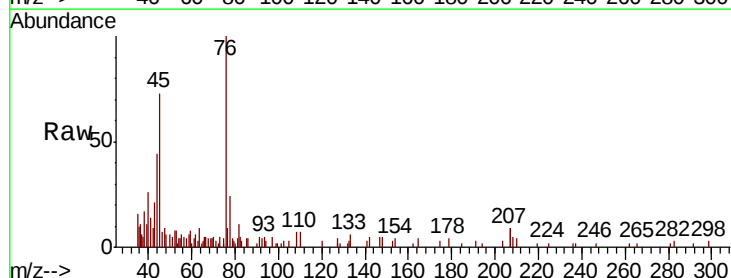
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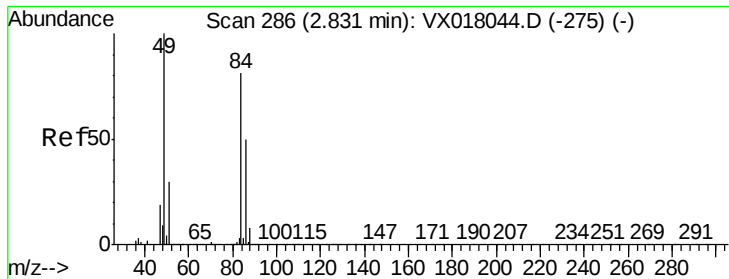
Tot Ion: 43 Resp: 32303
Ion Ratio Lower Upper
43 100
58 32.3 25.5 38.3



#17
Carbon Disulfide
Concen: 0.284 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX018140.D
Acq: 31 Aug 2020 12:28

Tgt Ion: 76 Resp: 5167
Ion Ratio Lower Upper
76 100
78 18.4 7.4 11.0#

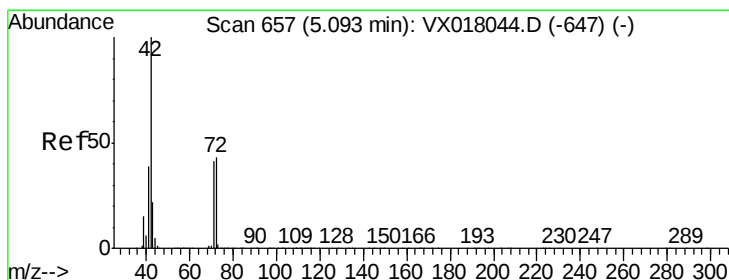
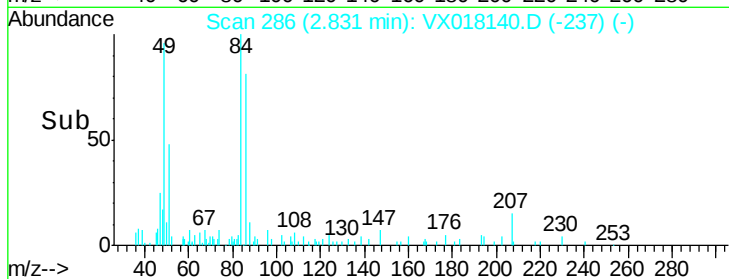
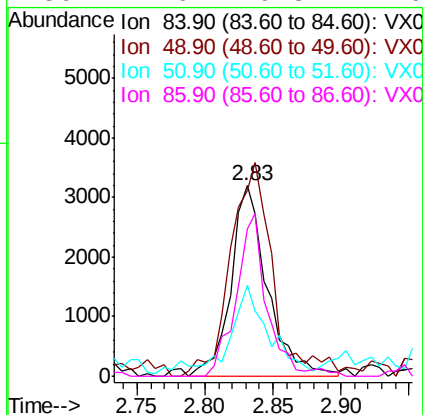
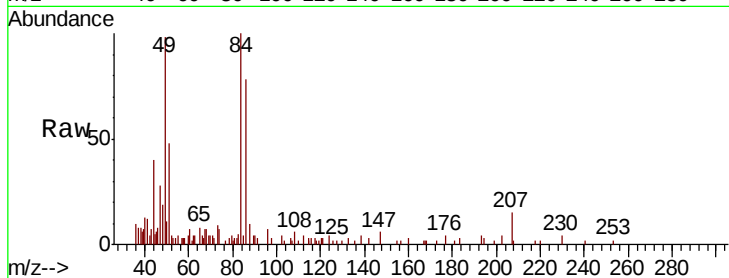




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018140.D
Acq: 31 Aug 2020 12:28

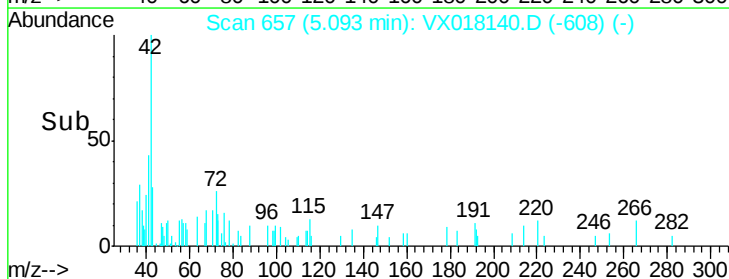
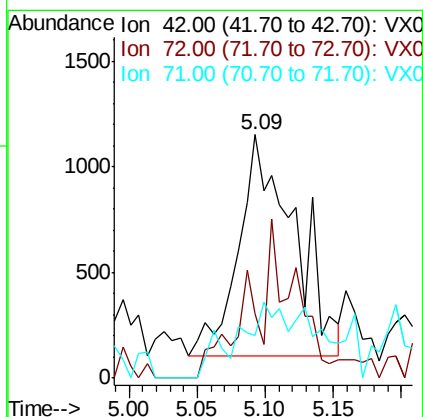
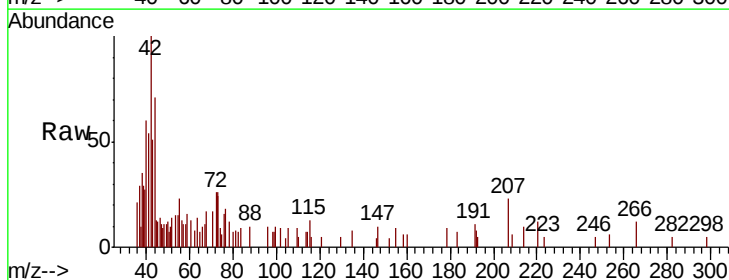
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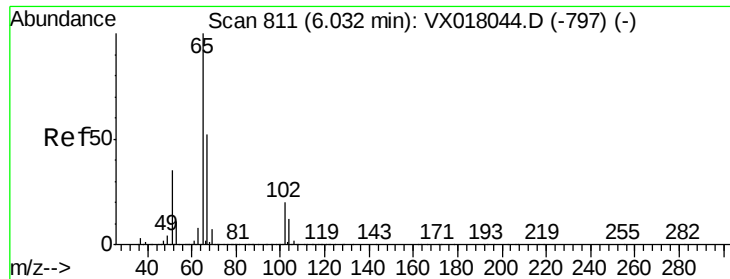
Tot Ion:	84	Resp:	5971
Ion	Ratio	Lower	Upper
84	100		
49	95.5	98.6	148.0#
51	42.1	29.6	44.4
86	77.6	49.8	74.6#



#29
Tetrahydrofuran
Concen: 0.859 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX018140.D
Acq: 31 Aug 2020 12:28

Tgt Ion:	42	Resp:	2995
Ion	Ratio	Lower	Upper
42	100		
72	12.4	34.2	51.4#
71	14.7	32.1	48.1#

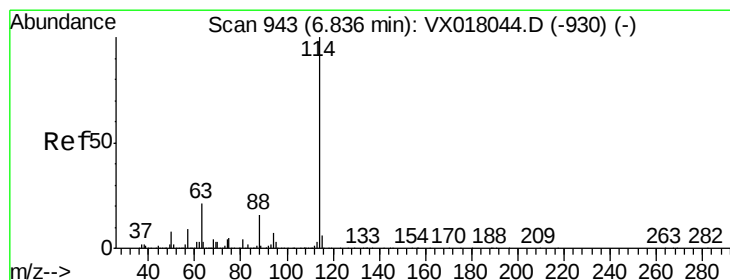
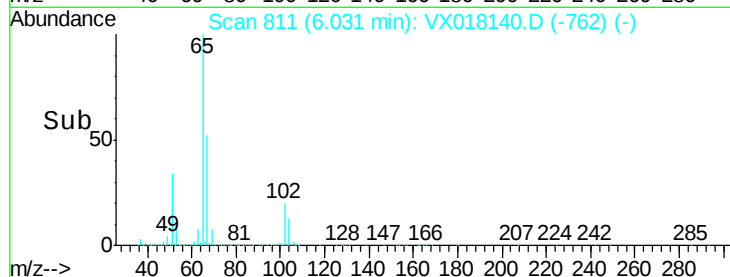
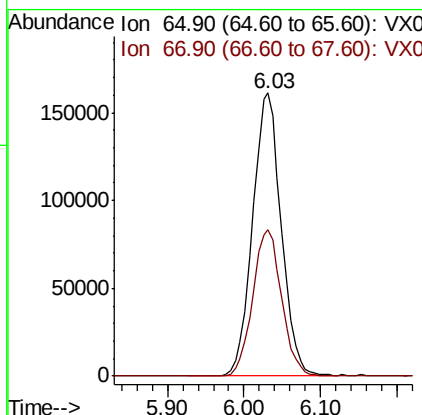
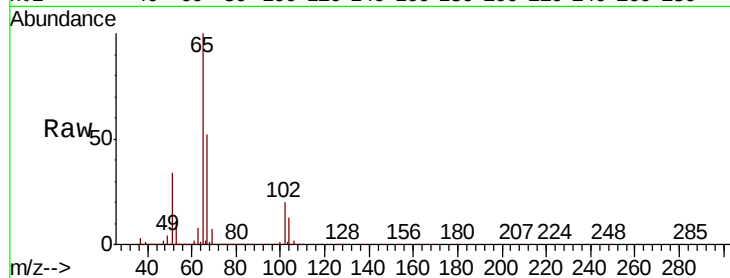




#33
 1,2-Dichloroethane-d4
 Concen: 49.275 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018140.D
 Acq: 31 Aug 2020 12:28

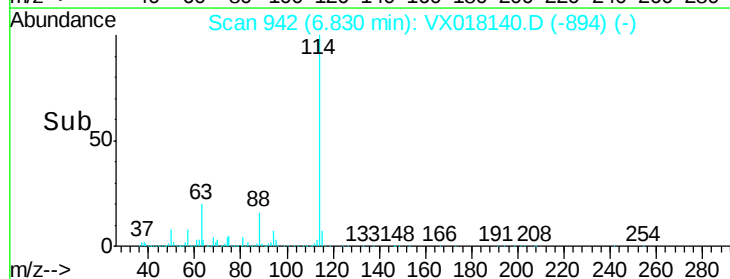
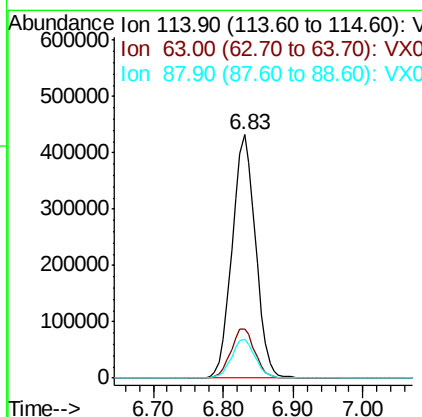
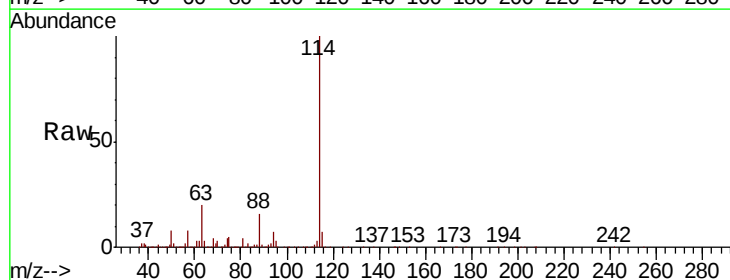
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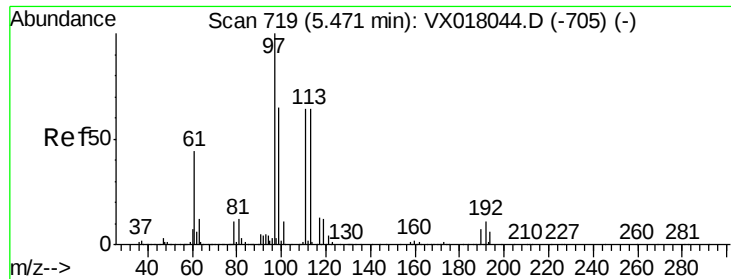
Tot Ion: 65 Resp: 421278
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018140.D
 Acq: 31 Aug 2020 12:28

Tgt Ion: 114 Resp: 1009423
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.6
 88 15.7 0.0 31.8

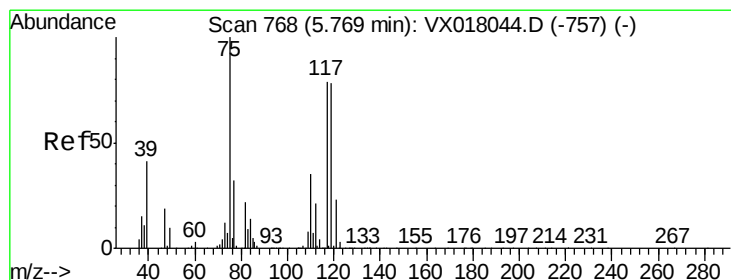
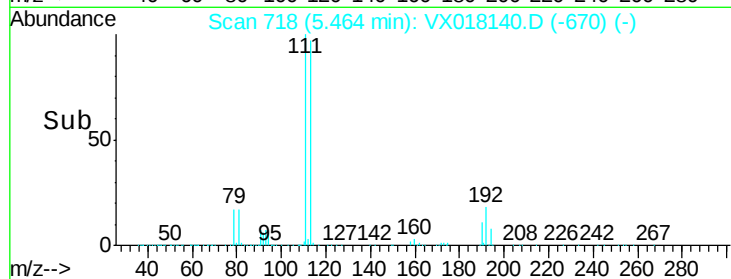
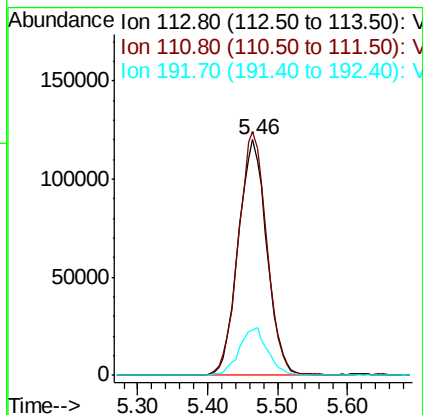
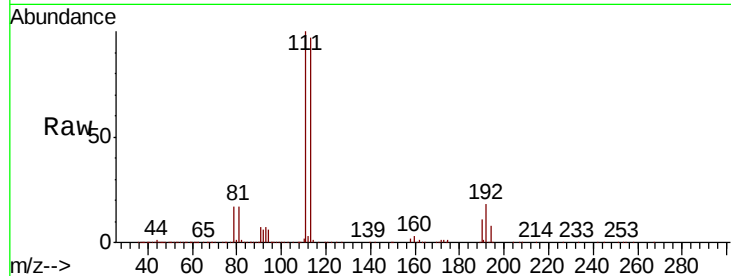




#35
 Dibromofluoromethane
 Concen: 49.725 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018140.D
 Acq: 31 Aug 2020 12:28

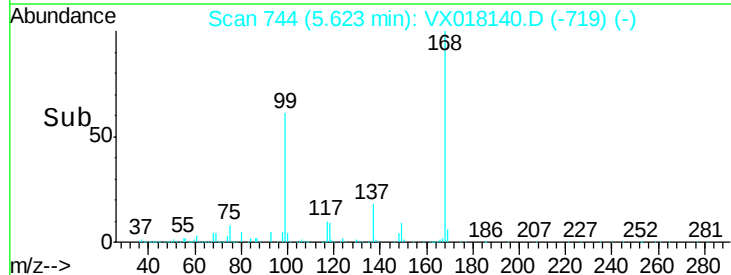
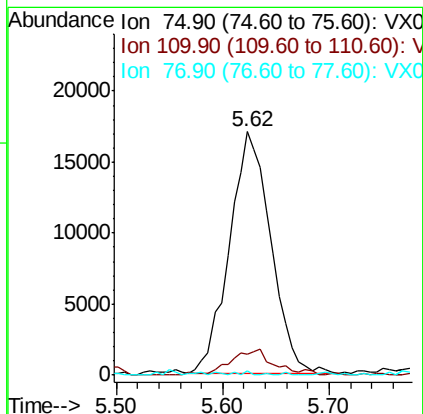
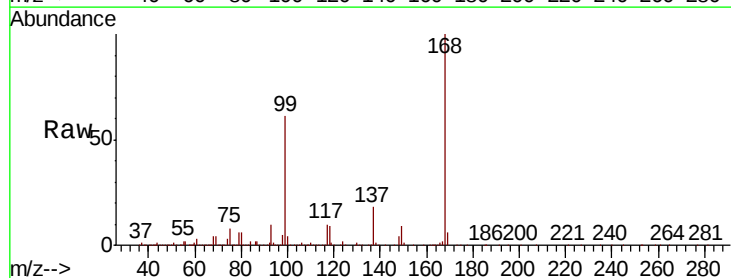
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-EB-20200828

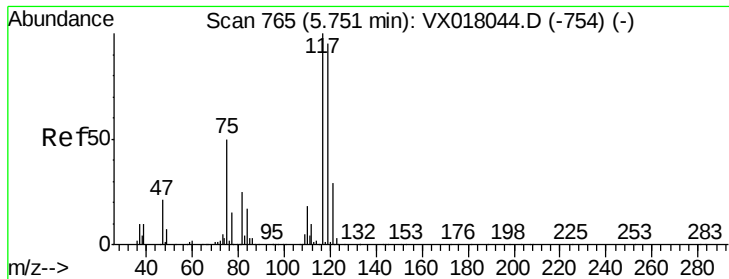
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.6	122.4
192	20.0	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.993 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX018140.D
 Acq: 31 Aug 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.0	54.0#
77	0.5	24.4	36.6#

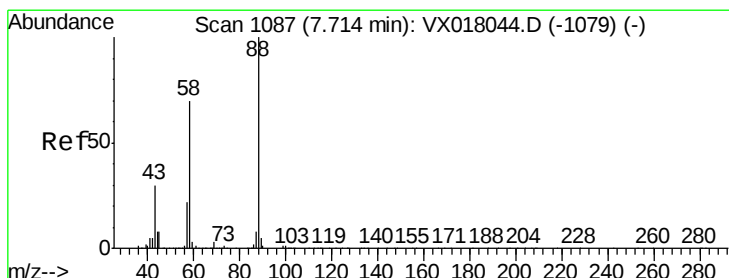
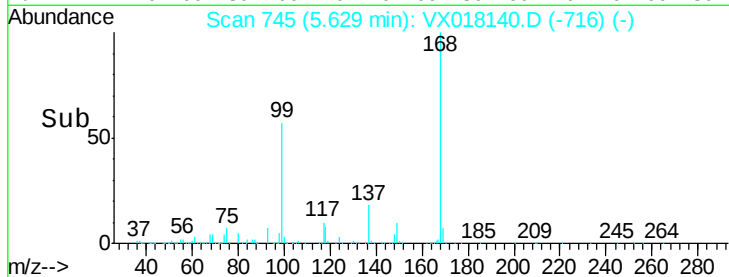
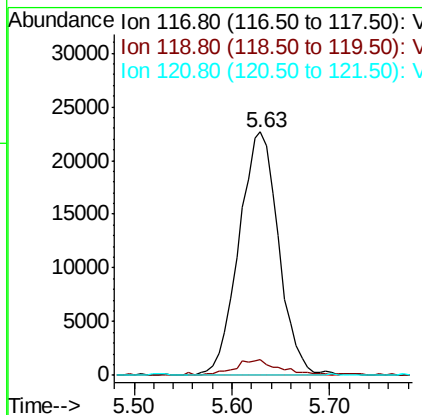
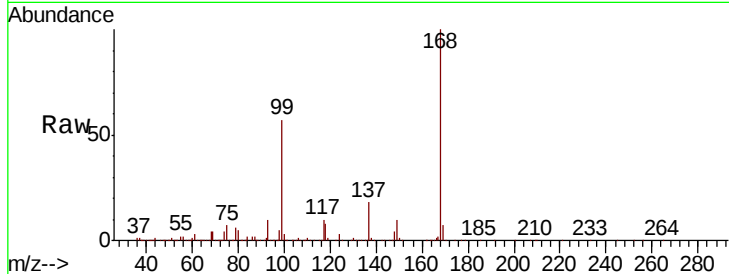




#38
Carbon Tetrachloride
Concen: 6.066 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX018140.D
Acq: 31 Aug 2020 12:28

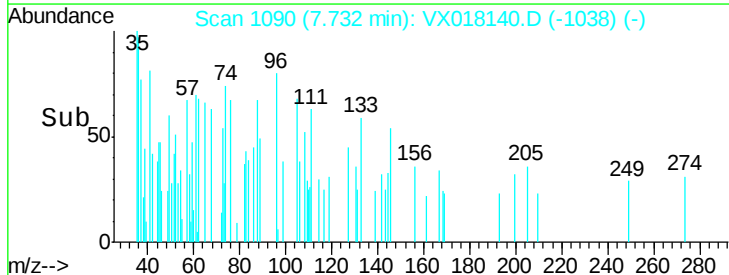
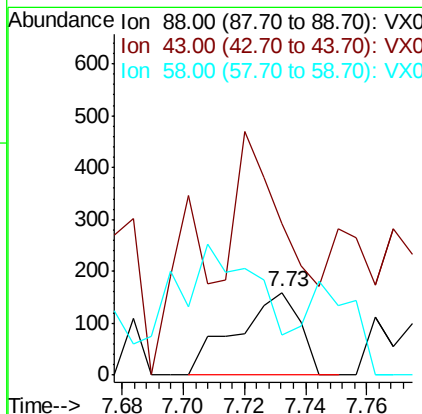
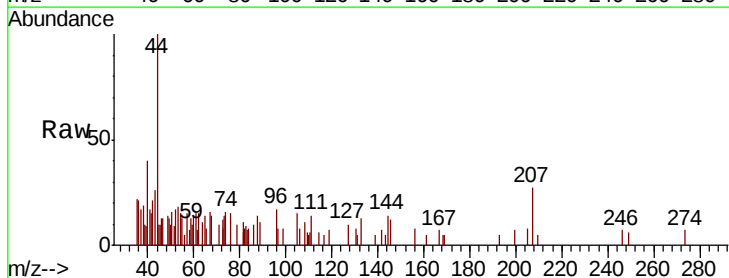
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-EB-20200828

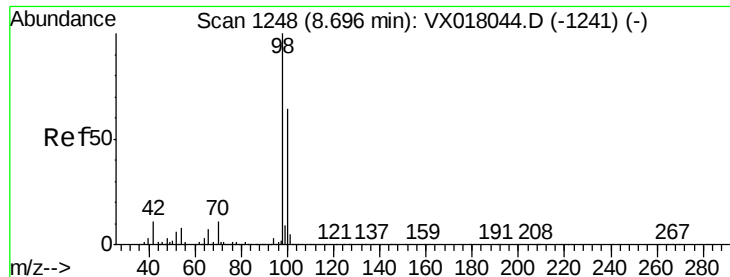
Tot Ion:117 Resp: 63642
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 23.4 35.0#



#49
1,4-Dioxane
Concen: 1.454 ug/l
RT: 7.73 min Scan# 1090
Delta R.T. 0.02 min
Lab File: VX018140.D
Acq: 31 Aug 2020 12:28

Tgt Ion: 88 Resp: 229
Ion Ratio Lower Upper
88 100
43 48.5 27.4 41.0#
58 73.4 56.4 84.6





#50

Toluene-d8

Concen: 48.847 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018140.D

Acq: 31 Aug 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

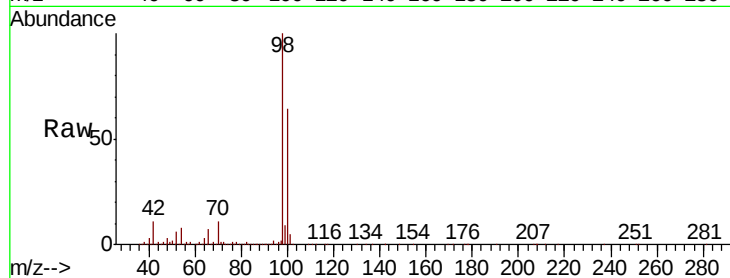
BP-VPB181-EB-20200828

Tot Ion: 98 Resp: 1250735

Ion Ratio Lower Upper

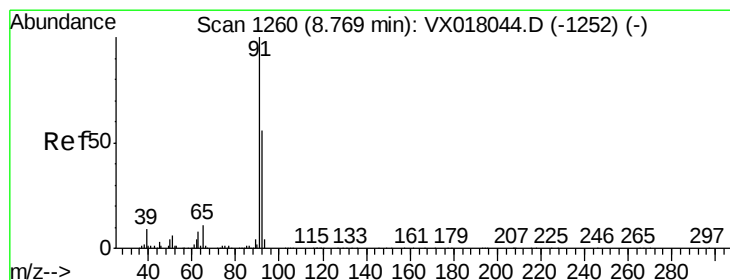
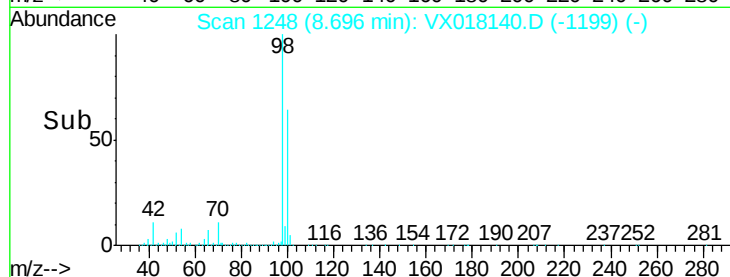
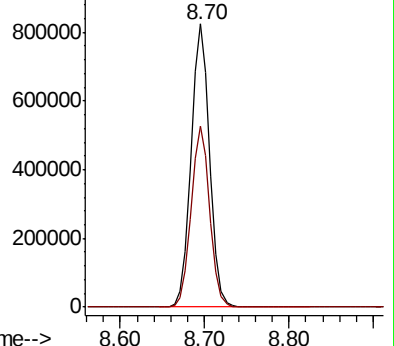
98 100

100 64.0 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#52

Toluene

Concen: 2.632 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018140.D

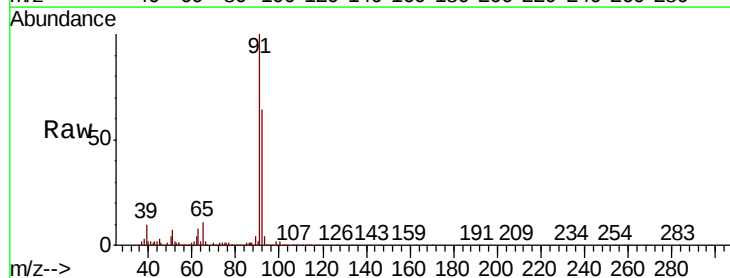
Acq: 31 Aug 2020 12:28

Tgt Ion: 92 Resp: 45655

Ion Ratio Lower Upper

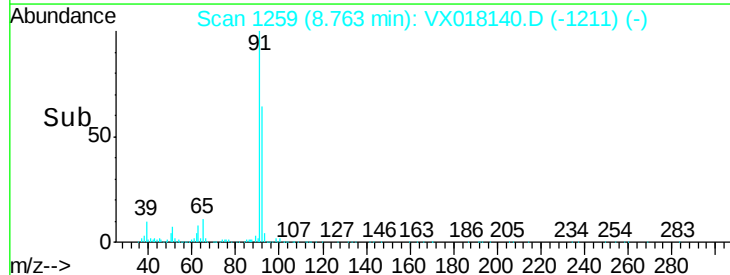
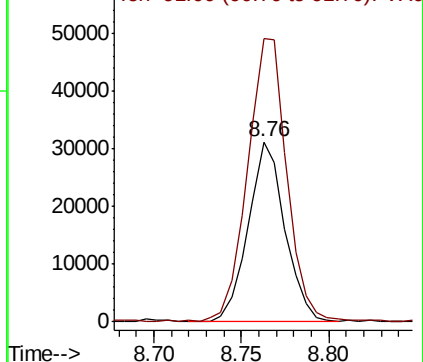
92 100

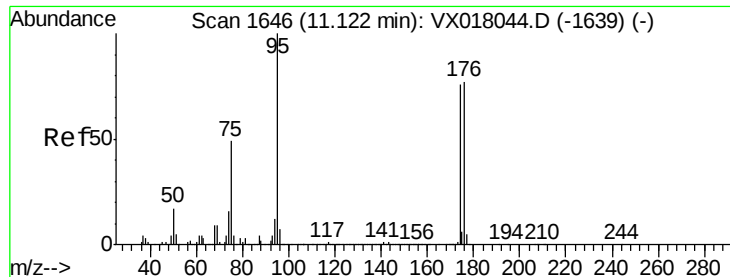
91 166.9 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.188 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018140.D

Acq: 31 Aug 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-EB-20200828

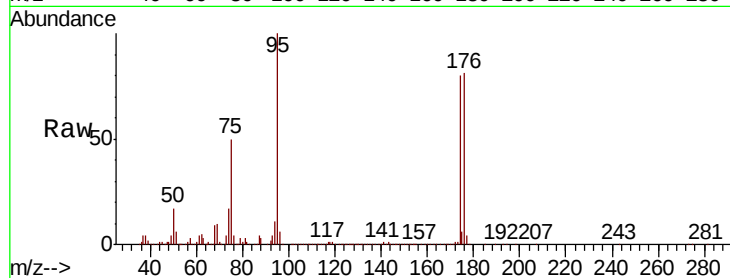
Tot Ion: 95 Resp: 445154

Ion Ratio Lower Upper

95 100

174 78.4 0.0 160.2

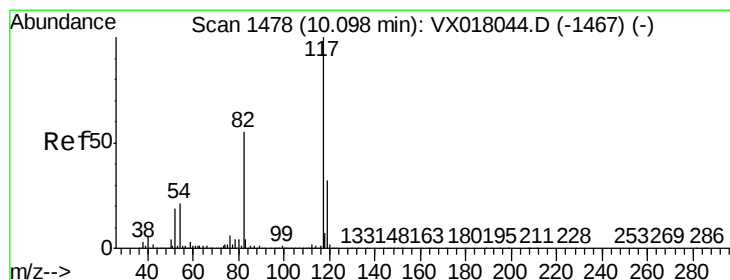
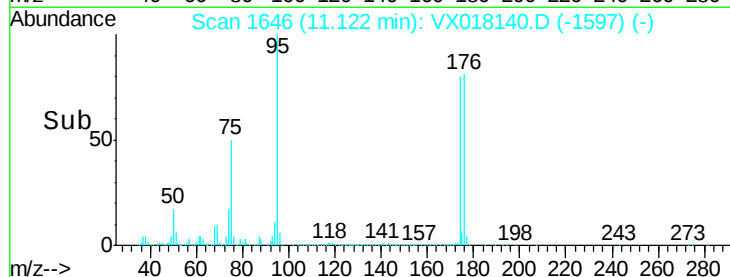
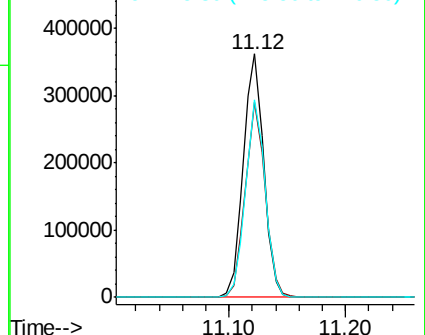
176 78.7 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018140.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018140.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018140.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018140.D

Acq: 31 Aug 2020 12:28

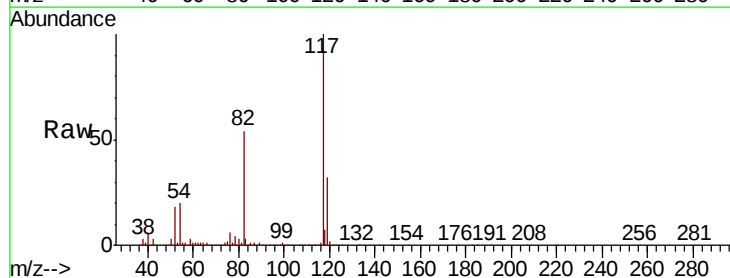
Tgt Ion: 117 Resp: 945717

Ion Ratio Lower Upper

117 100

82 53.7 44.2 66.2

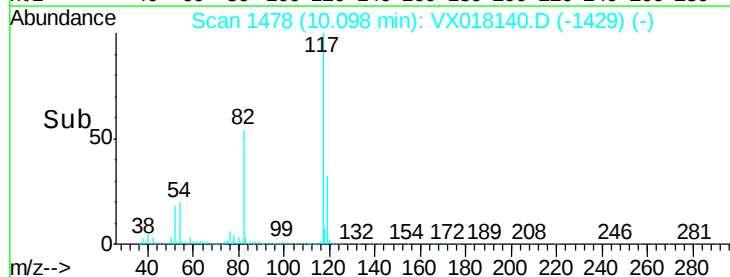
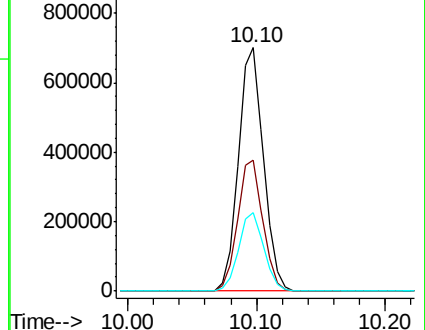
119 32.1 25.7 38.5

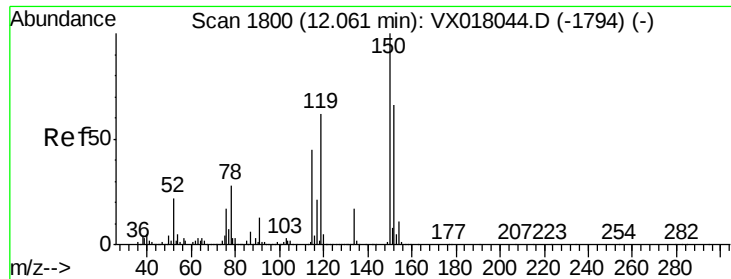


Abundance Ion 116.90 (116.60 to 117.60): VX018140.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018140.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018140.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018140.D

Acq: 31 Aug 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-EB-20200828

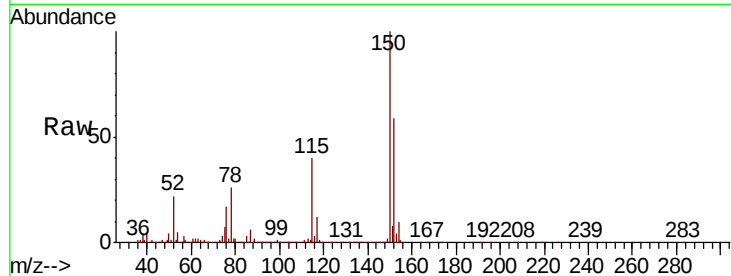
Tot Ion:152 Resp: 434572

Ion Ratio Lower Upper

152 100

115 61.1 41.5 124.5

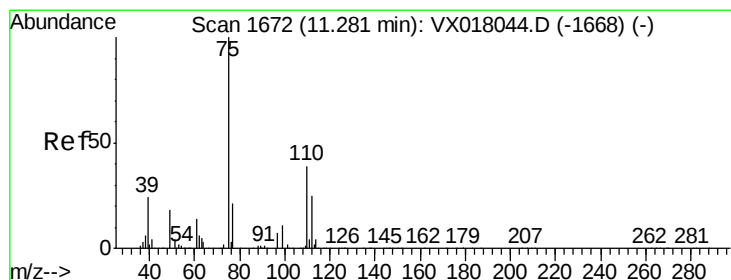
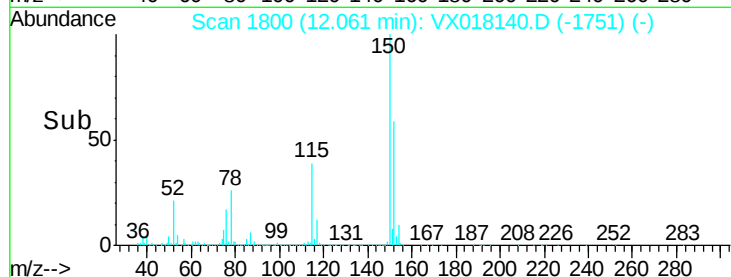
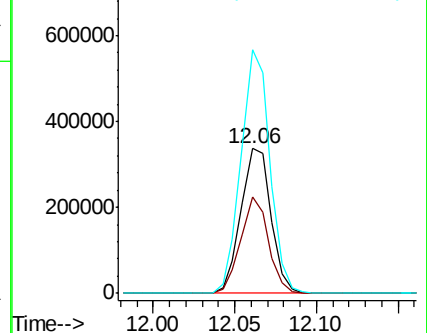
150 161.2 0.0 343.8



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: 23.169 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018140.D

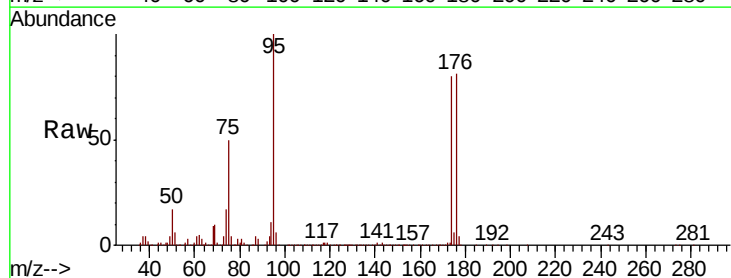
Acq: 31 Aug 2020 12:28

Tgt Ion: 75 Resp: 223978

Ion Ratio Lower Upper

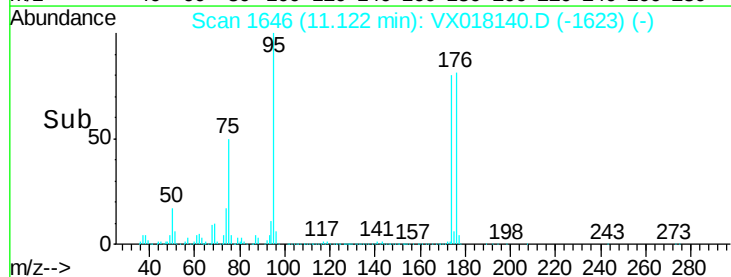
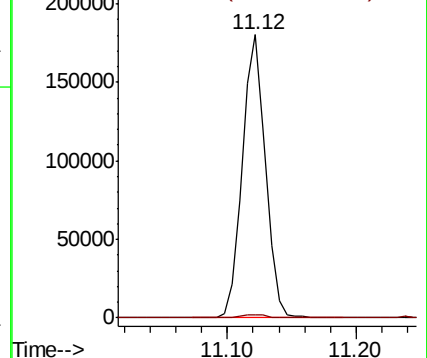
75 100

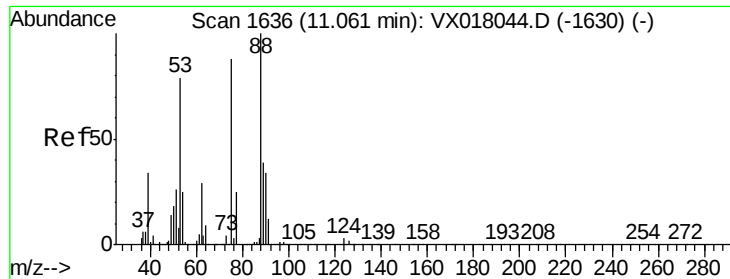
77 1.3 20.8 62.2#



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: 62.575 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018140.D

Acq: 31 Aug 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-EB-20200828

Tot Ion: 75 Resp: 223978

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

89 0.0 36.6 54.8#

