

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
 Data File : VX018017.D
 Acq On : 20 Aug 2020 05:00
 Operator : JC/SP
 Sample : L3738-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-GW-478-480

Quant Time: Aug 20 05:32:26 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	5.63	168	481874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	789772	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.10	117	741567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	363161	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	344818	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
35) Dibromofluoromethane	5.47	113	275914	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	
50) Toluene-d8	8.70	98	959695	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	
62) 4-Bromofluorobenzene	11.12	95	345224	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	

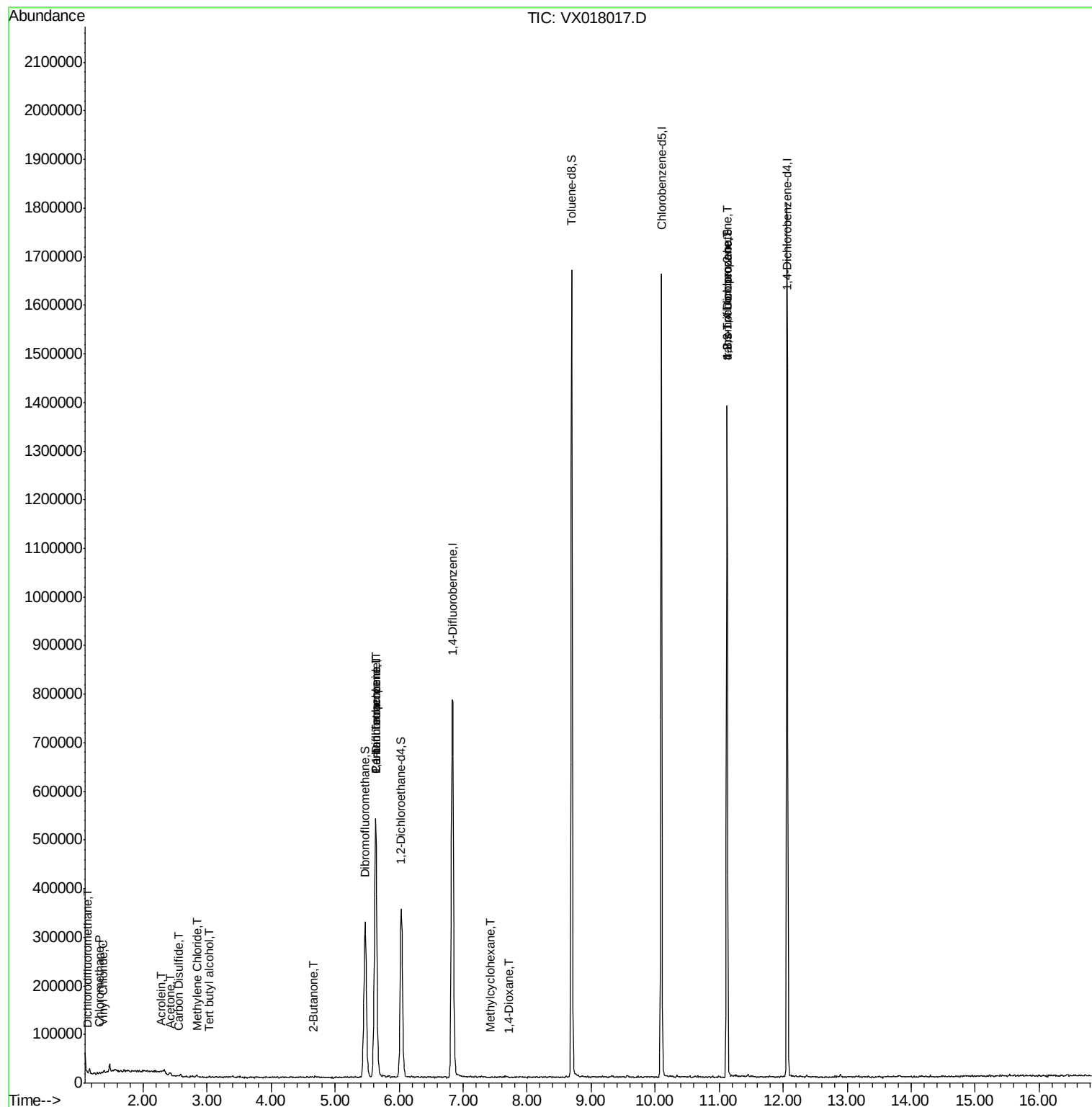
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	303	1.030	ug/l #	49
3) Chloromethane	1.31	50	1351	0.205	ug/l #	68
4) Vinyl Chloride	1.37	62	324	2.305	ug/l #	44
11) Tert butyl alcohol	3.04	59	827	0.606	ug/l #	66
13) Acrolein	2.28	56	456	0.633	ug/l #	1
16) Acetone	2.42	43	8048	2.896	ug/l	97
17) Carbon Disulfide	2.56	76	3247	0.308	ug/l #	66
20) Methylene Chloride	2.84	84	1322	0.258	ug/l #	55
25) 2-Butanone	4.67	43	1940	0.461	ug/l #	50
36) 1,1-Dichloropropene	5.63	75	39035	5.905	ug/l #	40
38) Carbon Tetrachloride	5.63	117	50959	5.956	ug/l #	16
39) Methylcyclohexane	7.42	83	147	0.830	ug/l #	20
49) 1,4-Dioxane	7.72	88	110	0.849	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	180618	23.387	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	180618	61.439	ug/l #	12

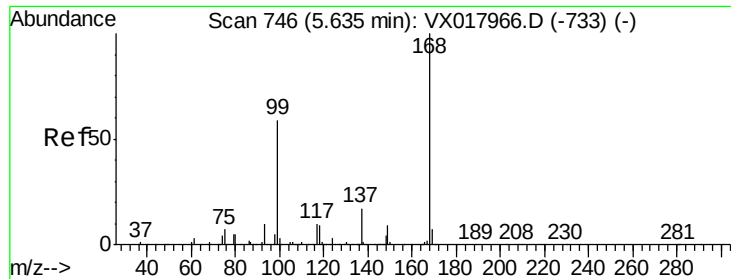
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 19 05:36:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX018017.D

Acq: 20 Aug 2020 05:00

Instrument :

MSVOA_X

ClientSampleId :

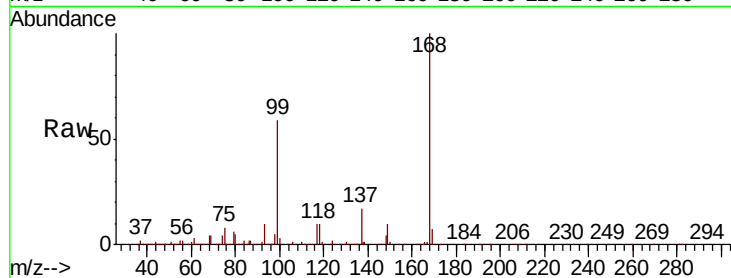
BP-VPB181-GW-478-480

Tot Ion:168 Resp: 481874

Ion Ratio Lower Upper

168 100

99 58.7 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

150000

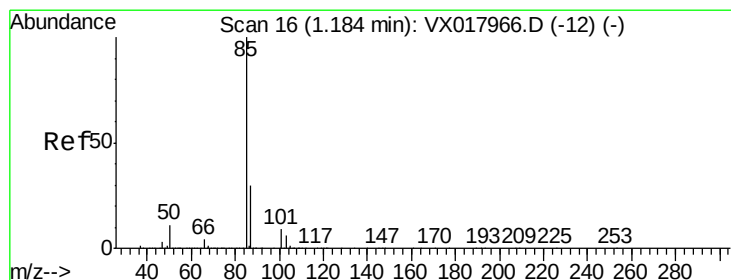
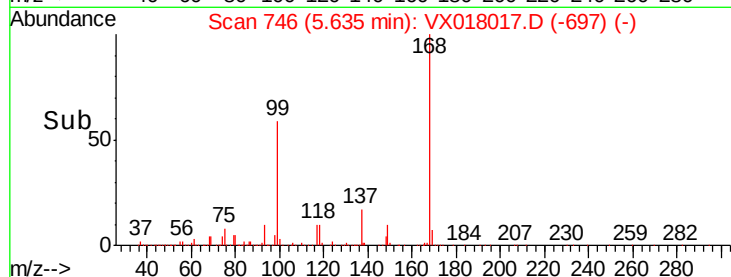
100000

50000

0

5.50 5.60 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 1.030 ug/l

RT: 1.14 min Scan# 8

Delta R.T. -0.05 min

Lab File: VX018017.D

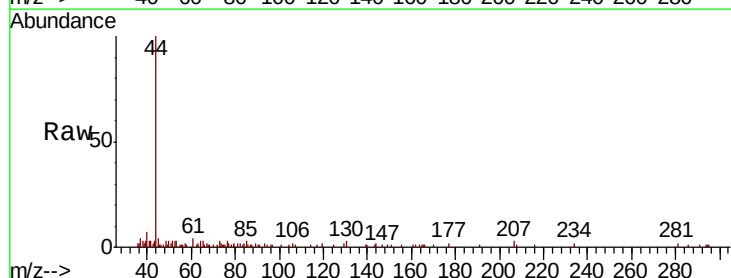
Acq: 20 Aug 2020 05:00

Tgt Ion: 85 Resp: 303

Ion Ratio Lower Upper

85 100

87 58.3 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

250

200

150

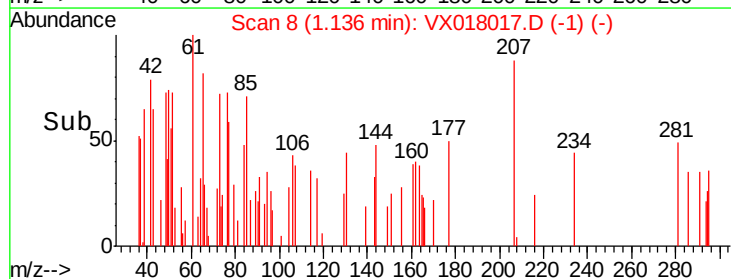
100

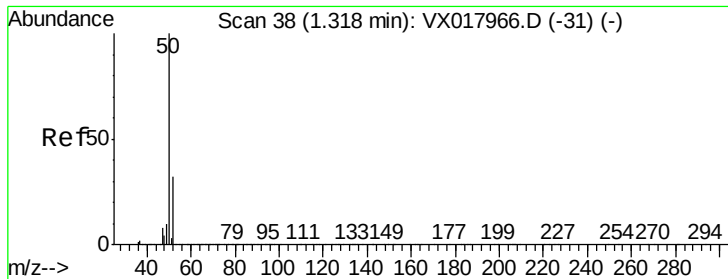
50

0

1.10 1.15 1.20

Time-->





#3

Chloromethane

Concen: 0.205 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX018017.D

Acq: 20 Aug 2020 05:00

Instrument :

MSVOA_X

ClientSampleId :

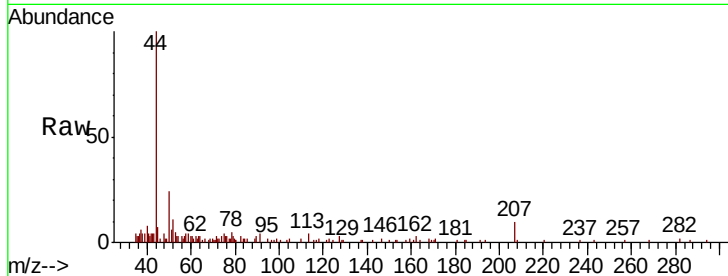
BP-VPB181-GW-478-480

Tot Ion: 50 Resp: 1351

Ion Ratio Lower Upper

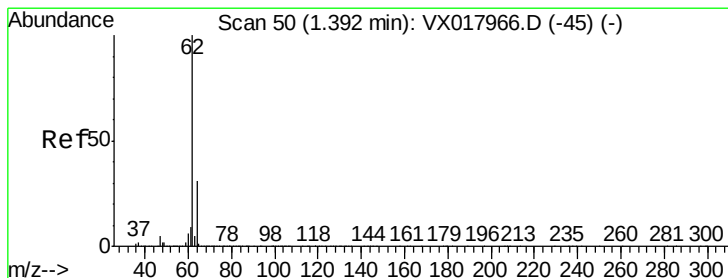
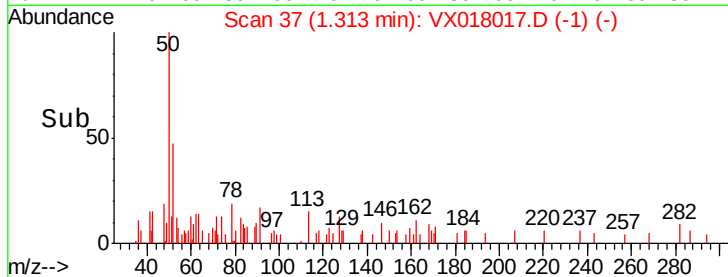
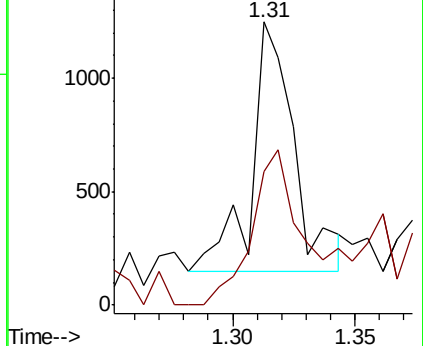
50 100

52 49.7 25.4 38.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 2.305 ug/l

RT: 1.37 min Scan# 47

Delta R.T. -0.02 min

Lab File: VX018017.D

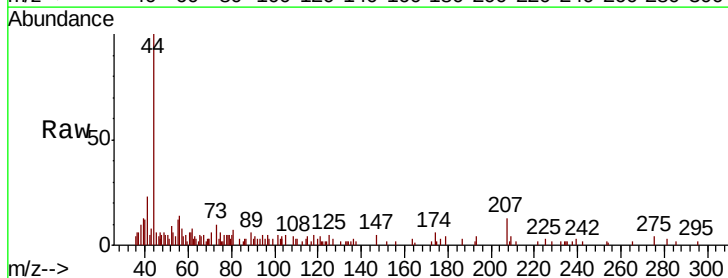
Acq: 20 Aug 2020 05:00

Tgt Ion: 62 Resp: 324

Ion Ratio Lower Upper

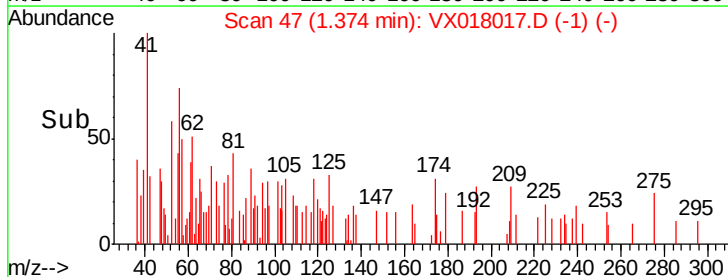
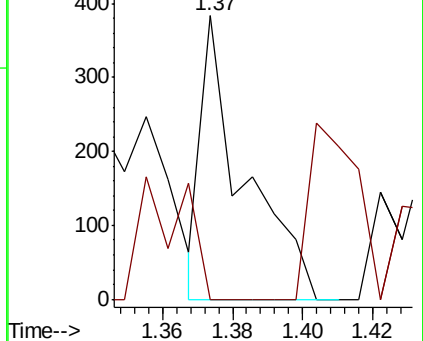
62 100

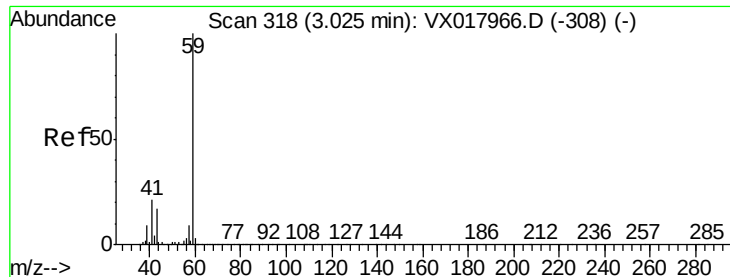
64 0.0 24.7 37.1#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



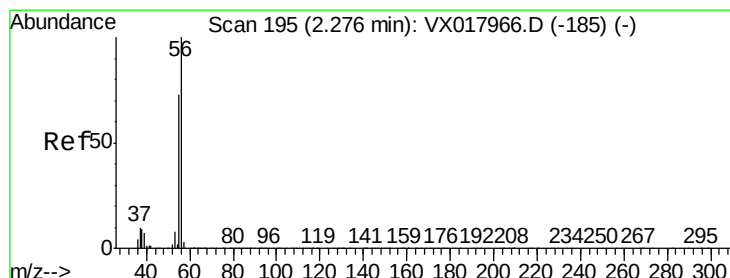
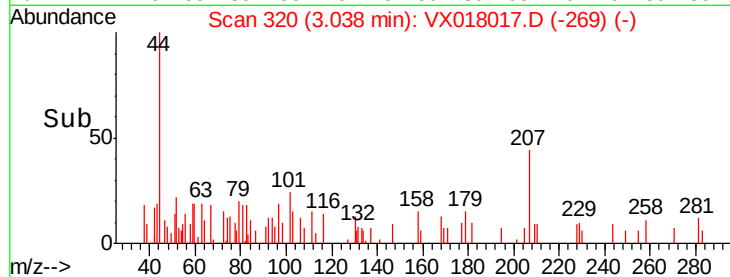
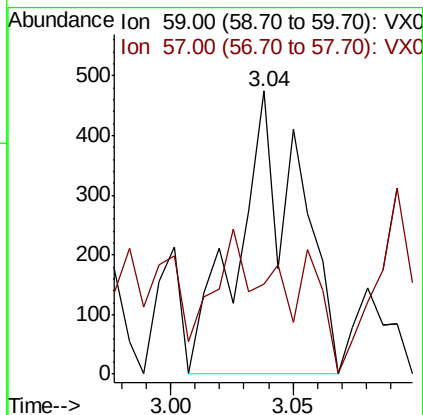
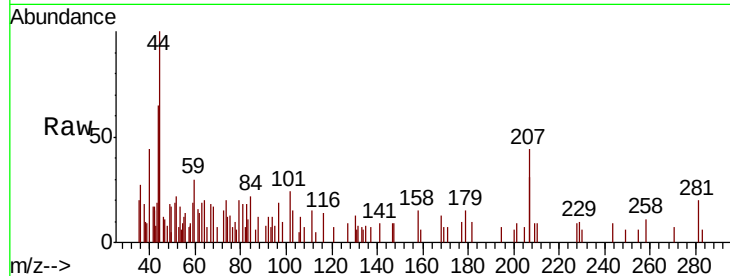


#11

Tert butyl alcohol
Concen: 0.606 ug/l
RT: 3.04 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX018017.D
Acq: 20 Aug 2020 05:00

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-478-480

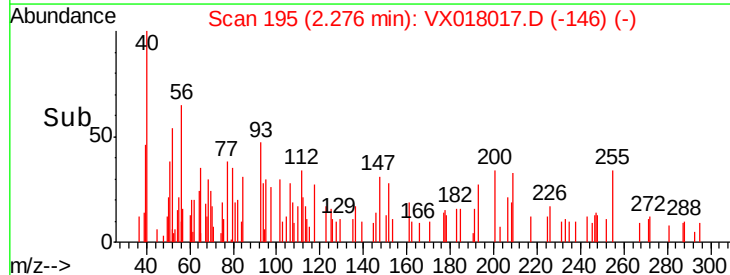
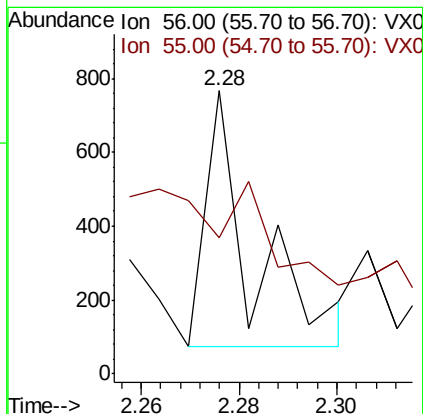
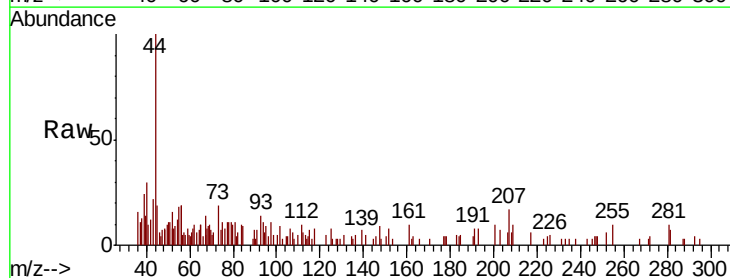
Tot Ion: 59 Resp: 827
Ion Ratio Lower Upper
59 100
57 23.7 8.6 13.0#

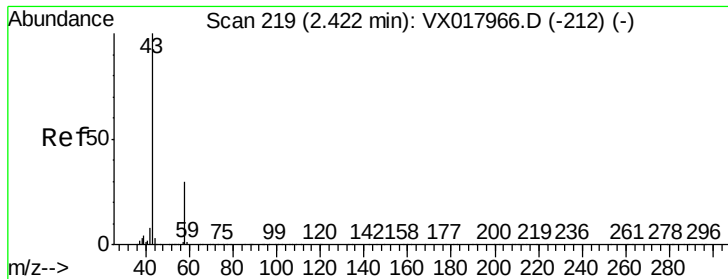


#13

Acrolein
Concen: 0.633 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.00 min
Lab File: VX018017.D
Acq: 20 Aug 2020 05:00

Tgt Ion: 56 Resp: 456
Ion Ratio Lower Upper
56 100
55 162.9 58.2 87.4#





#16

Acetone

Concen: 2.896 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018017.D

Acq: 20 Aug 2020 05:00

Instrument :

MSVOA_X

ClientSampleId :

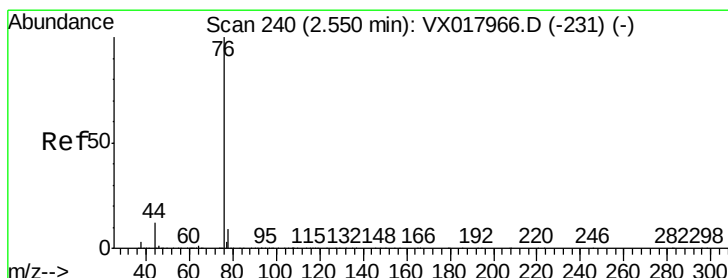
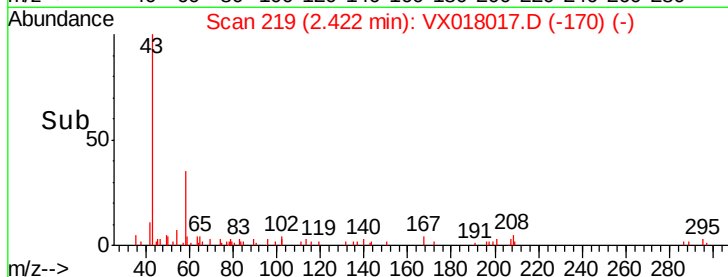
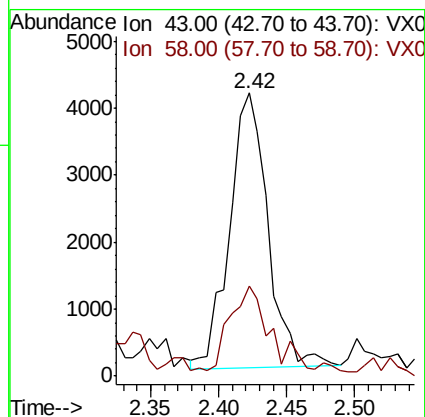
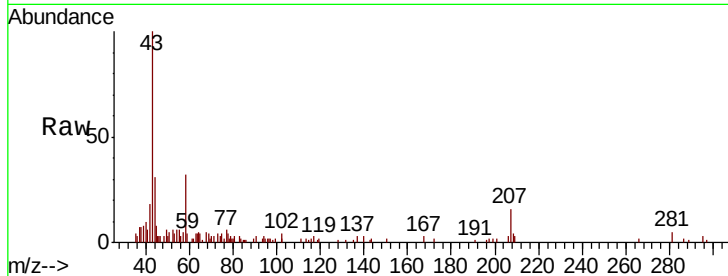
BP-VPB181-GW-478-480

Tot Ion: 43 Resp: 8048

Ion Ratio Lower Upper

43 100

58 31.3 23.8 35.8



#17

Carbon Disulfide

Concen: 0.308 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018017.D

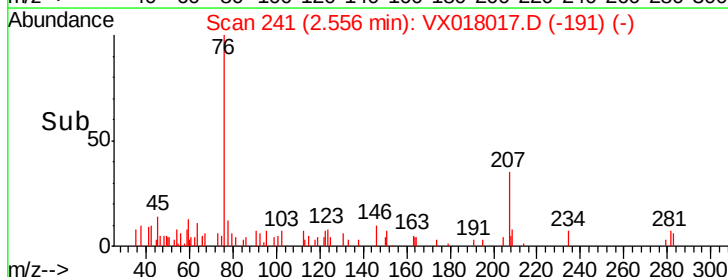
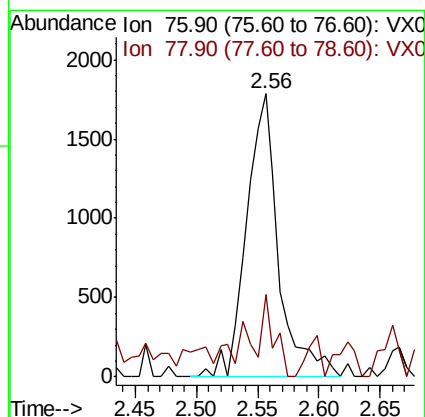
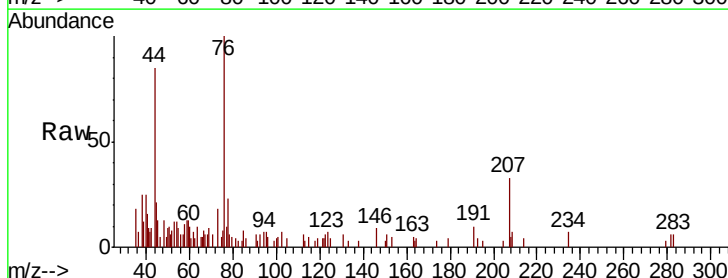
Acq: 20 Aug 2020 05:00

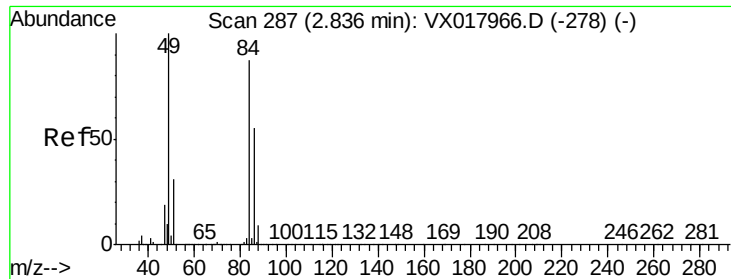
Tgt Ion: 76 Resp: 3247

Ion Ratio Lower Upper

76 100

78 21.5 7.3 10.9#

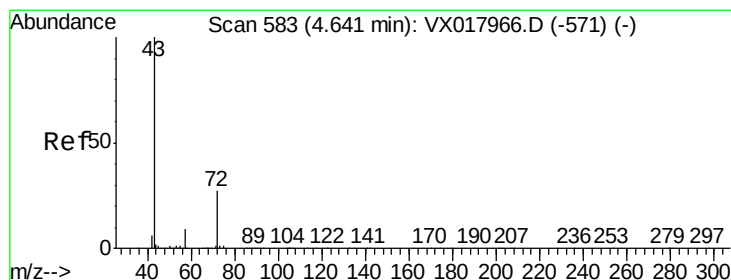
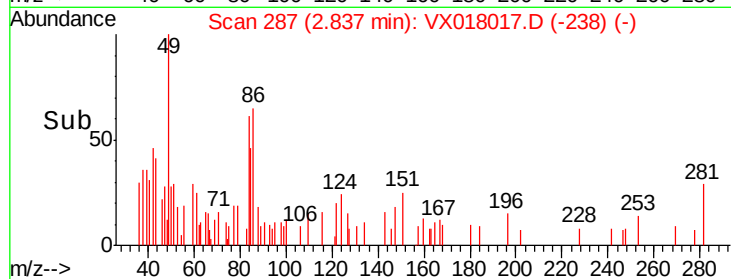
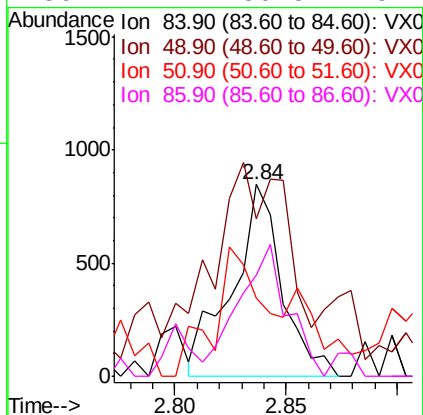
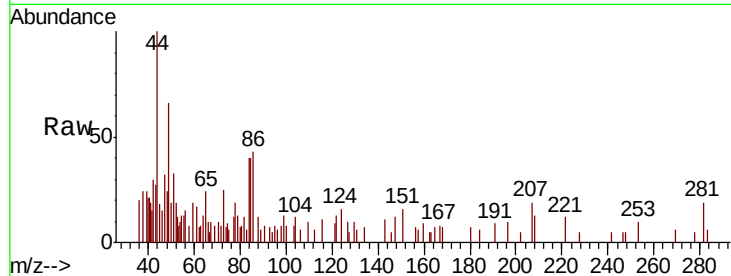




#20
Methvlene Chloride
Concen: 0.258 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018017.D
Acq: 20 Aug 2020 05:00

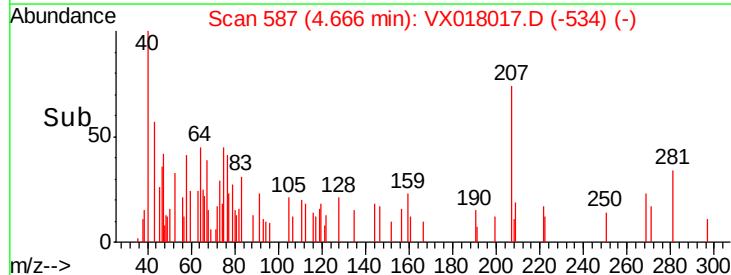
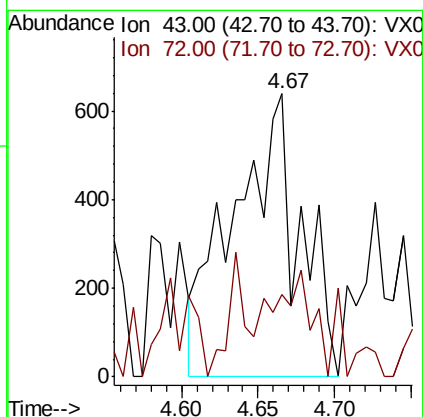
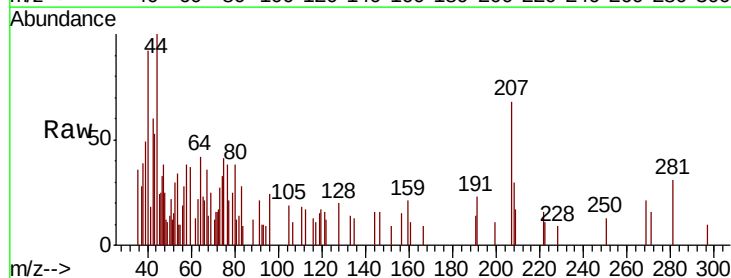
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB181-GW-478-480

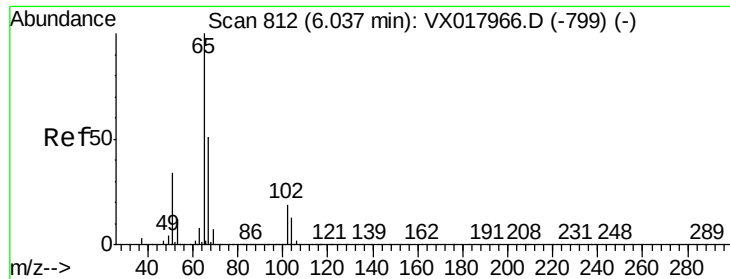
Tot Ion:	84	Resp:	1322
Ion	Ratio	Lower	Upper
84	100		
49	49.6	91.8	137.6#
51	21.8	27.8	41.8#
86	41.1	50.5	75.7#



#25
2-Butanone
Concen: 0.461 ug/l
RT: 4.67 min Scan# 587
Delta R.T. 0.02 min
Lab File: VX018017.D
Acq: 20 Aug 2020 05:00

Tgt Ion:	43	Resp:	1940
Ion	Ratio	Lower	Upper
43	100		
72	0.8	21.4	32.2#

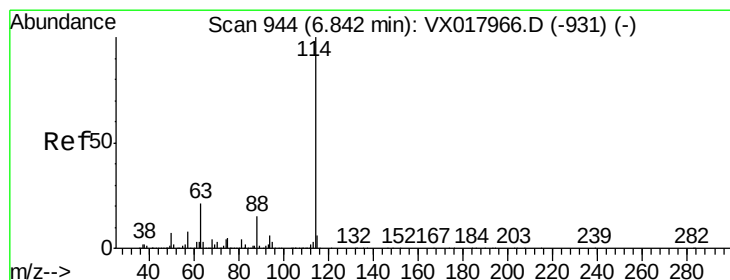
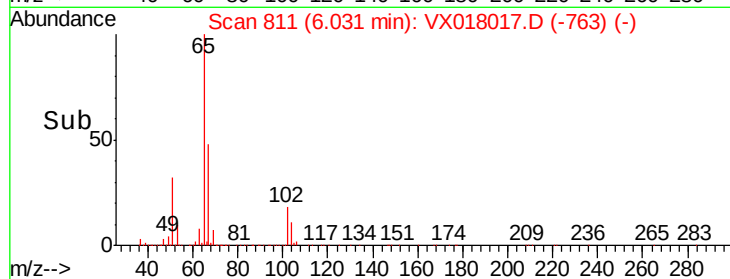
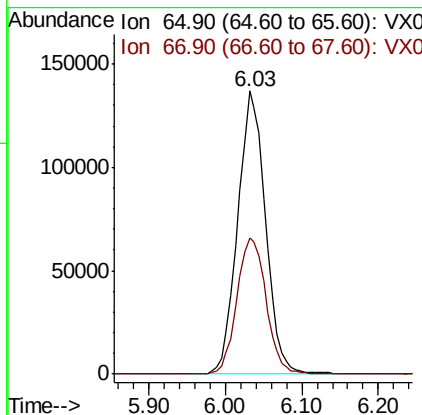
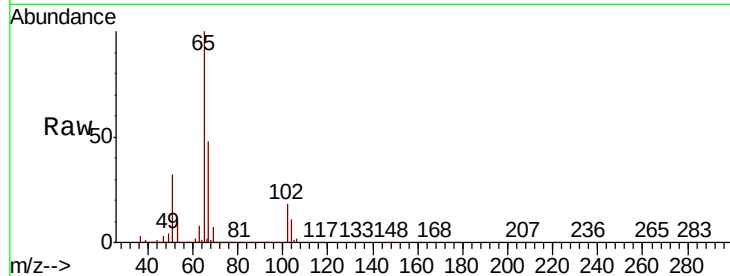




#33
 1,2-Dichloroethane-d4
 Concen: 48.814 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: VX018017.D
 Acq: 20 Aug 2020 05:00

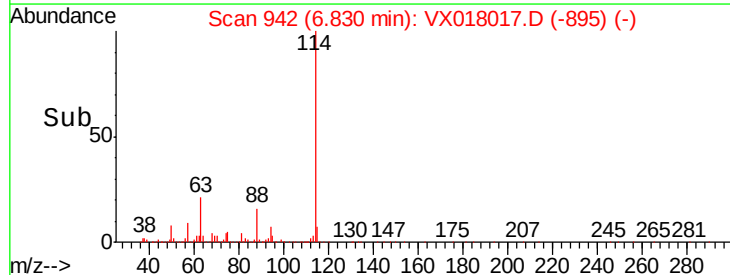
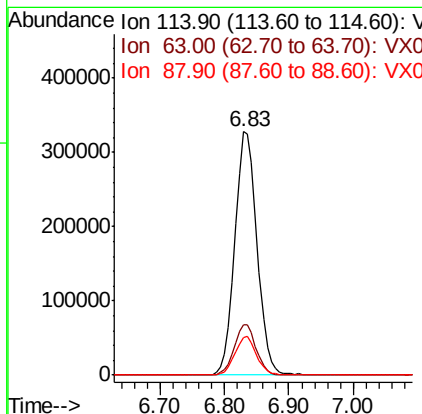
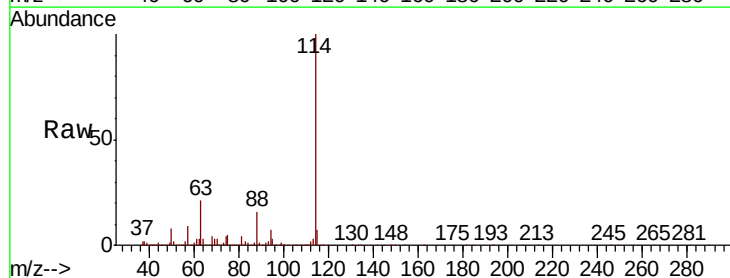
Instrument :
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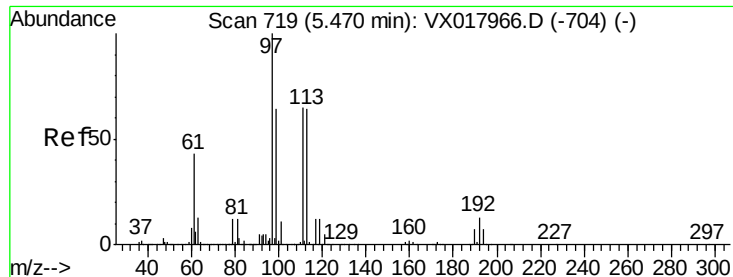
Tot Ion: 65 Resp: 344818
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018017.D
 Acq: 20 Aug 2020 05:00

Tgt Ion: 114 Resp: 789772
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 46.914 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX018017.D

Acq: 20 Aug 2020 05:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-478-480

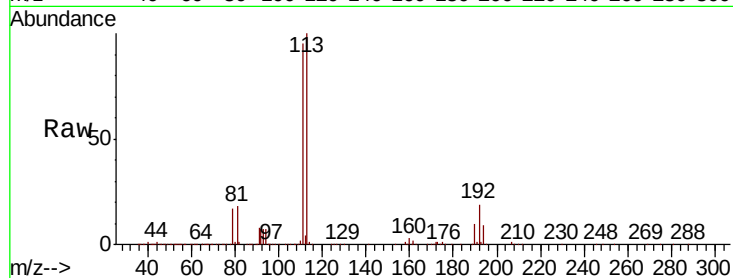
Tot Ion:113 Resp: 275914

Ion Ratio Lower Upper

113 100

111 101.8 83.5 125.3

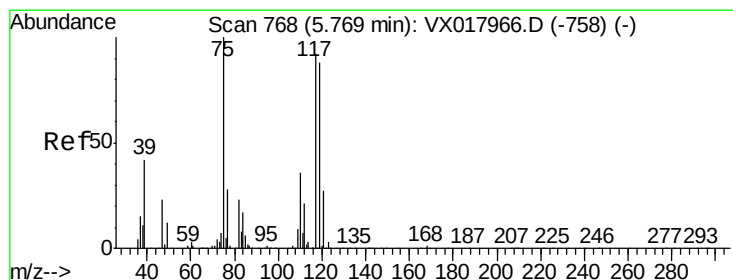
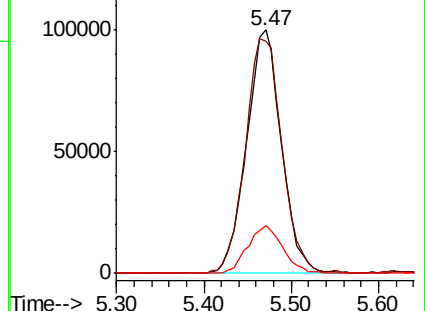
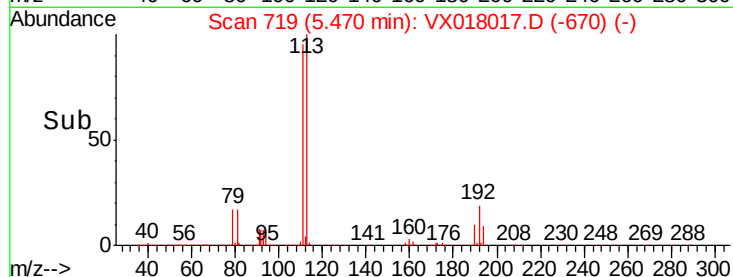
192 19.7 16.2 24.4



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: 5.905 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018017.D

Acq: 20 Aug 2020 05:00

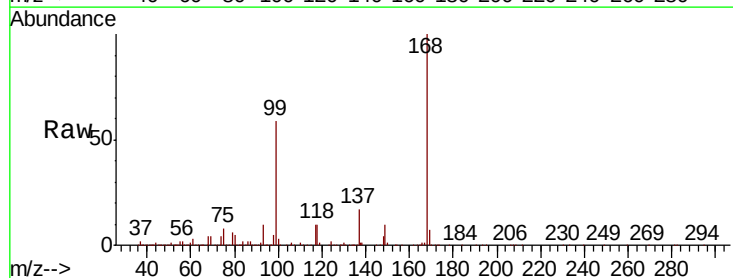
Tgt Ion: 75 Resp: 39035

Ion Ratio Lower Upper

75 100

110 0.0 18.7 56.1#

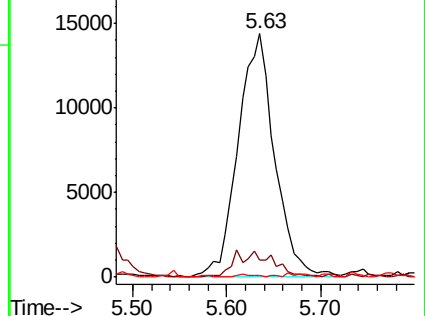
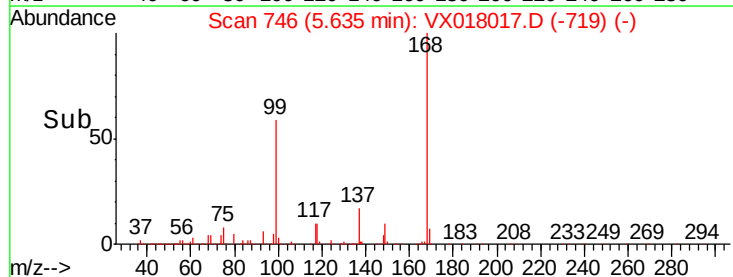
77 0.0 24.4 36.6#

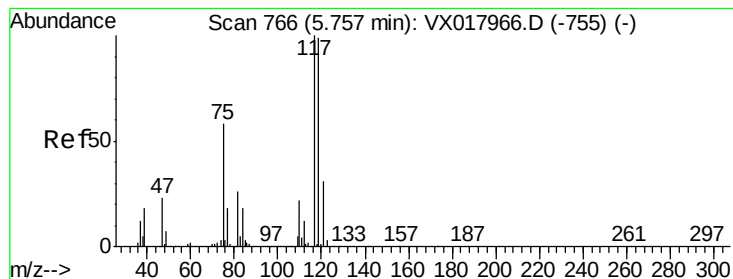


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.956 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018017.D

Acq: 20 Aug 2020 05:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-478-480

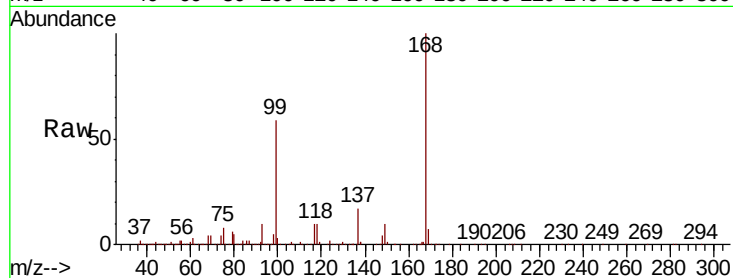
Tot Ion:117 Resp: 50959

Ion Ratio Lower Upper

117 100

119 7.0 79.0 118.6#

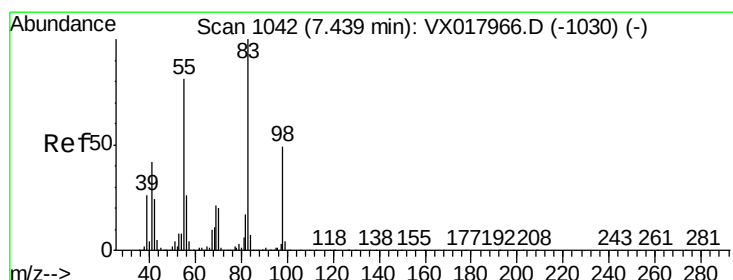
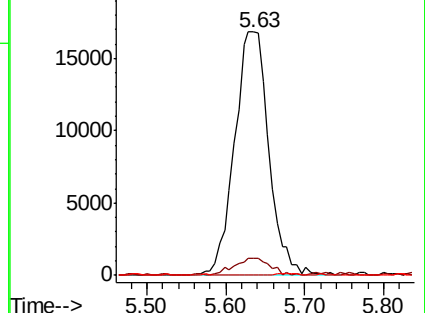
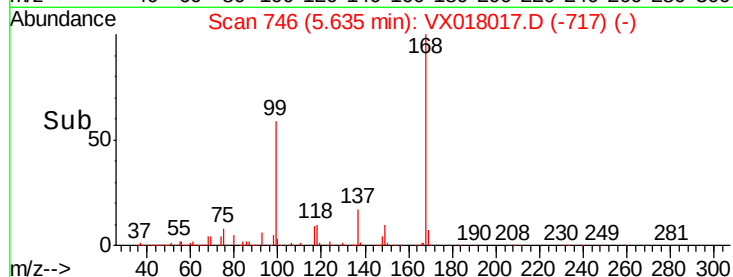
121 0.0 24.7 37.1#



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: 0.830 ug/l

RT: 7.42 min Scan# 1038

Delta R.T. -0.02 min

Lab File: VX018017.D

Acq: 20 Aug 2020 05:00

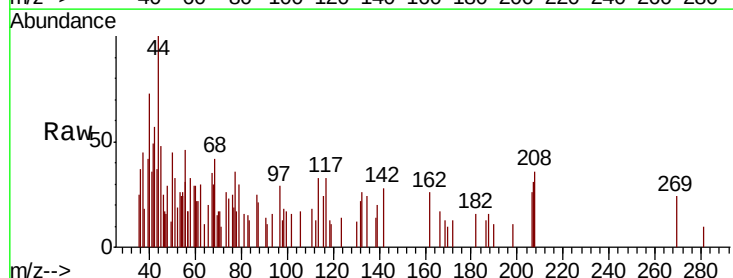
Tgt Ion: 83 Resp: 147

Ion Ratio Lower Upper

83 100

55 183.2 64.5 96.7#

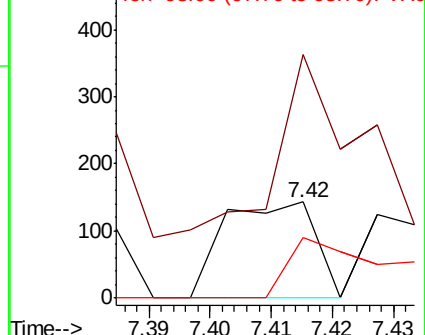
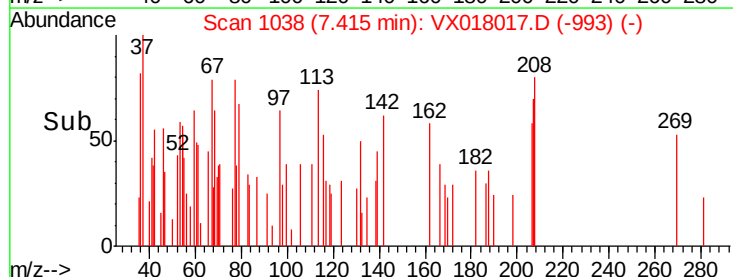
98 62.9 39.0 58.6#

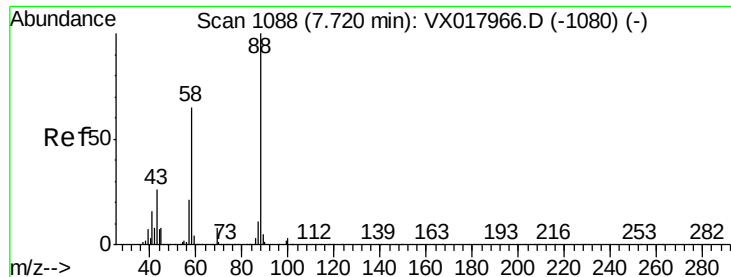


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#49

1,4-Dioxane

Concen: 0.849 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX018017.D

Acq: 20 Aug 2020 05:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-478-480

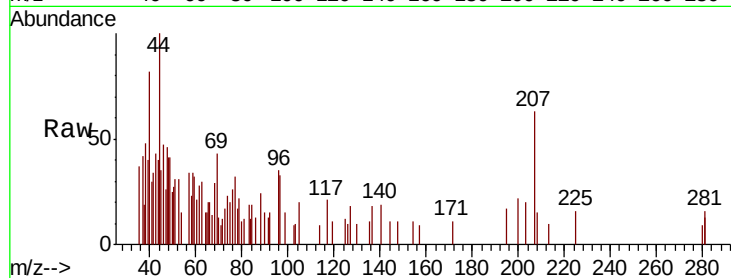
Tot Ion: 88 Resp: 110

Ion Ratio Lower Upper

88 100

43 424.5 27.3 40.9#

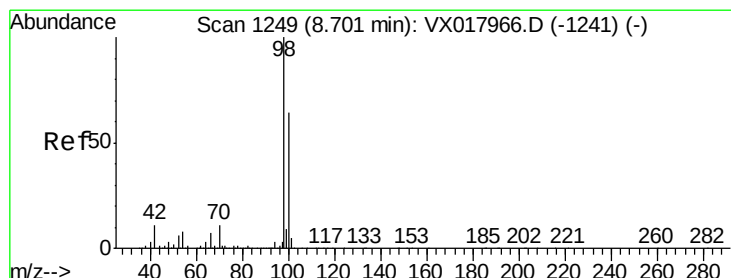
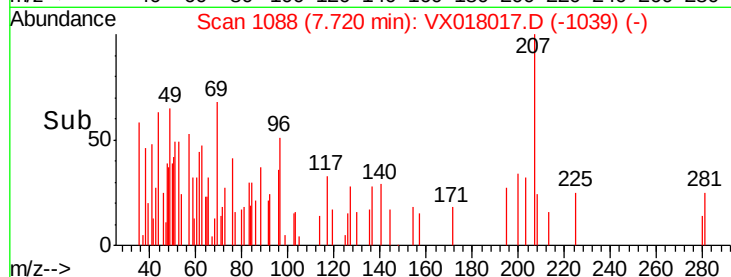
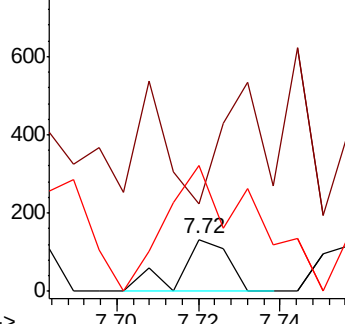
58 442.7 57.7 86.5#



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: 46.163 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX018017.D

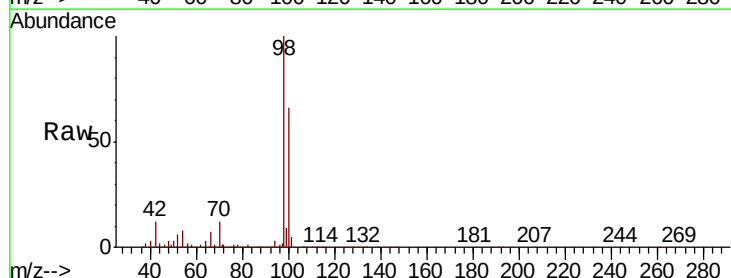
Acq: 20 Aug 2020 05:00

Tgt Ion: 98 Resp: 959695

Ion Ratio Lower Upper

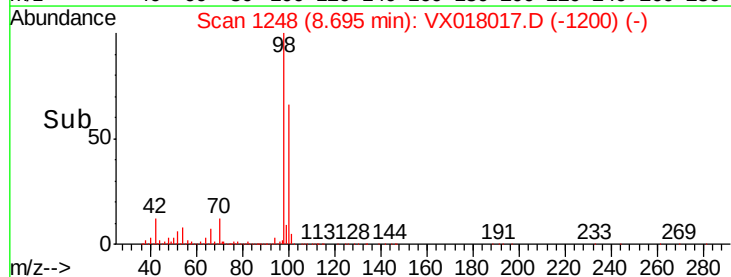
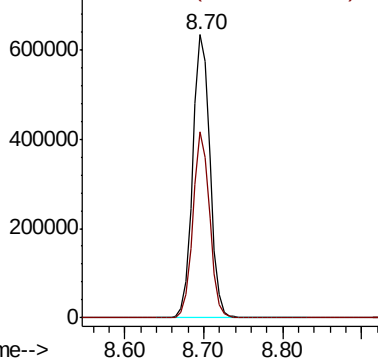
98 100

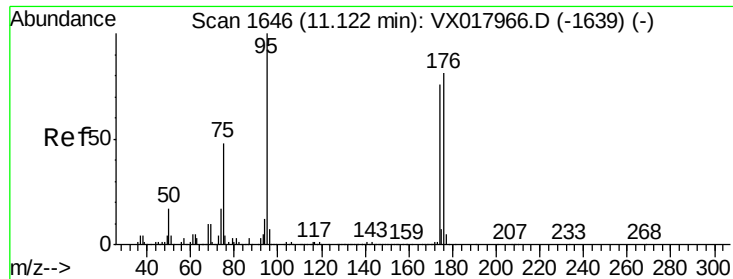
100 63.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.961 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018017.D

Acq: 20 Aug 2020 05:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-478-480

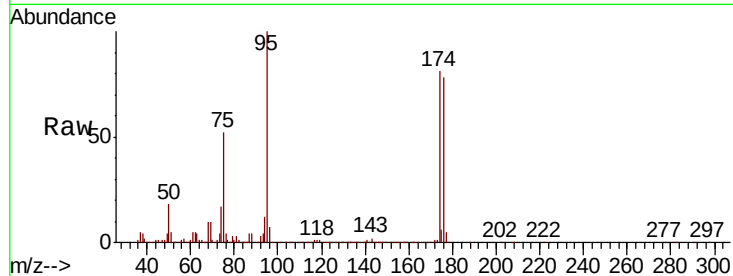
Tot Ion: 95 Resp: 345224

Ion Ratio Lower Upper

95 100

174 82.2 0.0 166.0

176 76.0 0.0 161.0

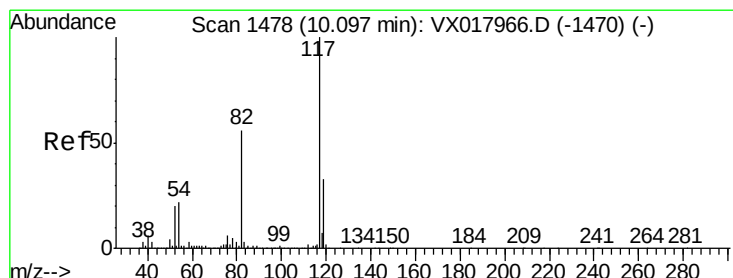
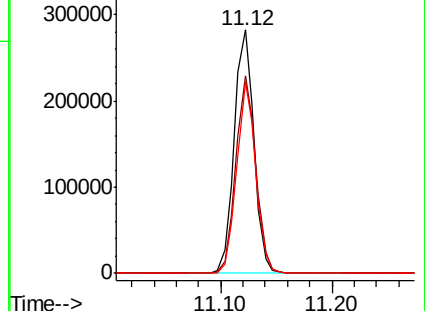
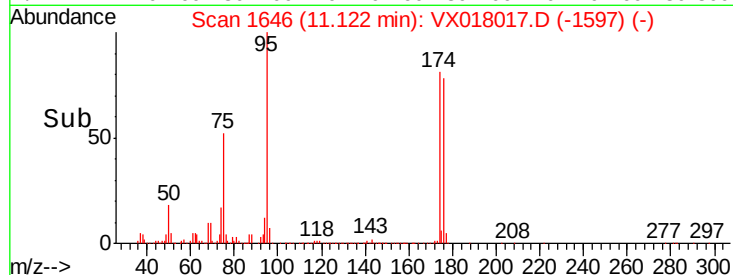


Abundance Ion 94.90 (94.60 to 95.60): VX017966.D (-1639) (-)

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

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

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX018017.D

Acq: 20 Aug 2020 05:00

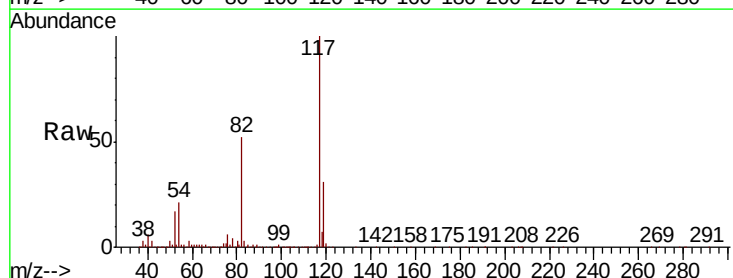
Tgt Ion: 117 Resp: 741567

Ion Ratio Lower Upper

117 100

82 52.1 44.6 66.8

119 30.7 26.2 39.4

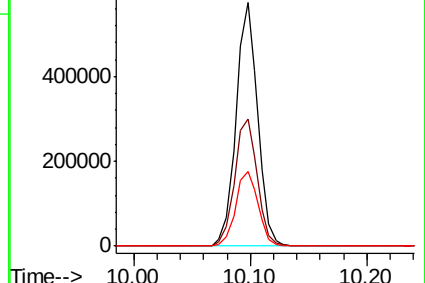
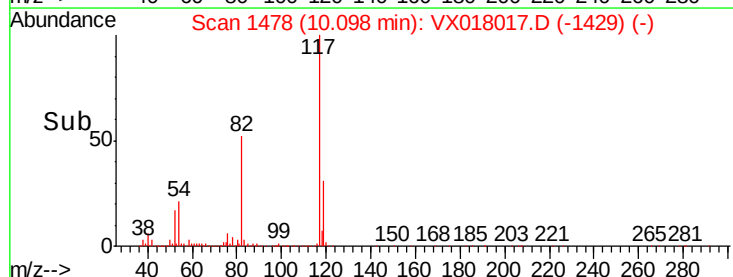


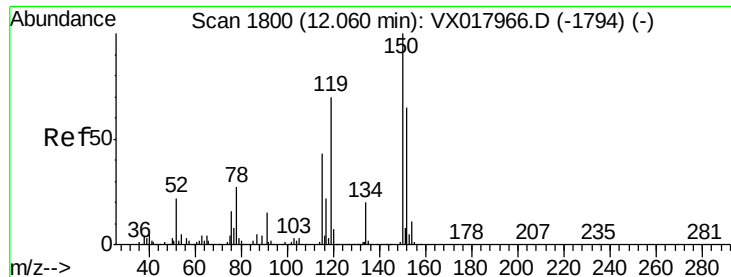
Abundance Ion 116.90 (116.60 to 117.60): VX017966.D (-1470) (-)

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

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

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018017.D

Acq: 20 Aug 2020 05:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB181-GW-478-480

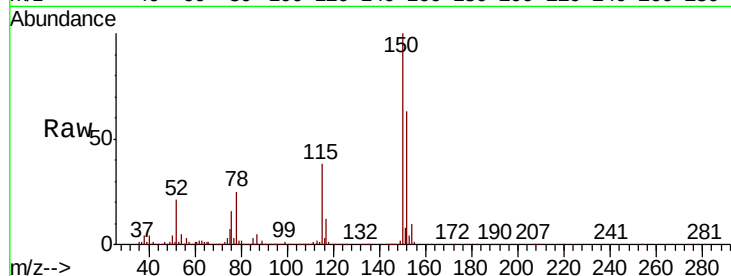
Tot Ion:152 Resp: 363161

Ion Ratio Lower Upper

152 100

115 59.4 40.6 121.7

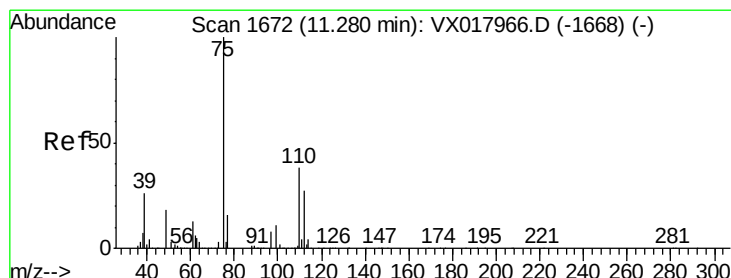
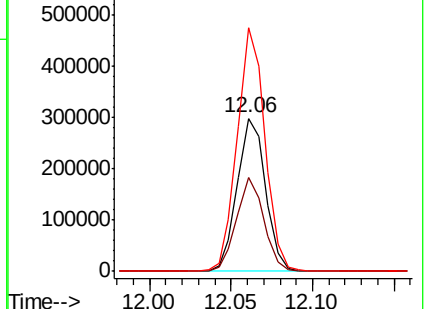
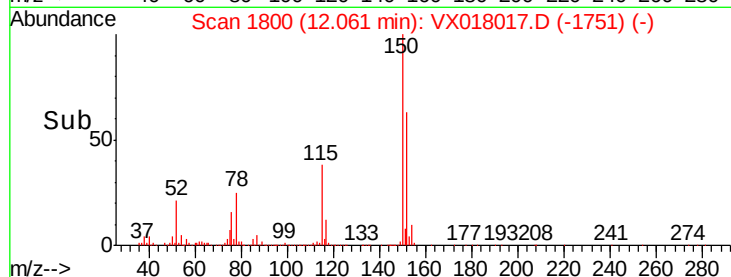
150 155.0 0.0 346.4



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: 23.387 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018017.D

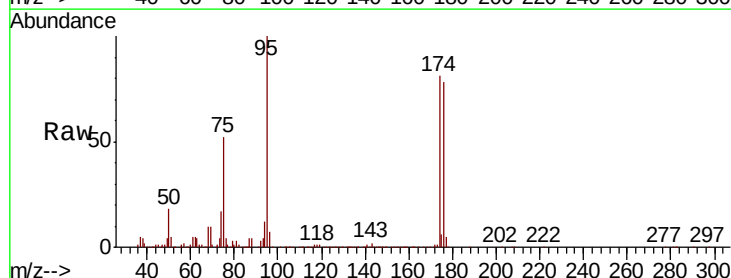
Acq: 20 Aug 2020 05:00

Tgt Ion: 75 Resp: 180618

Ion Ratio Lower Upper

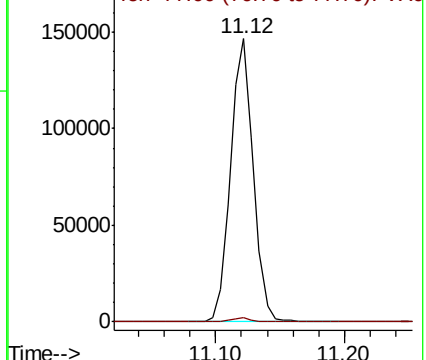
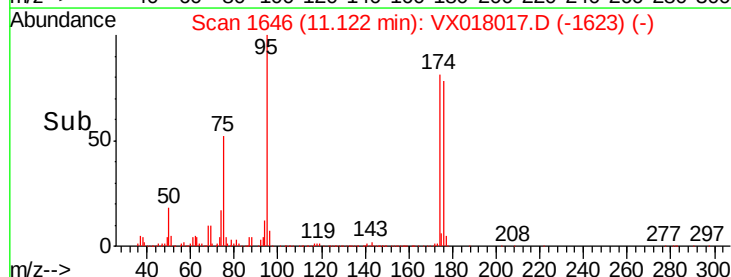
75 100

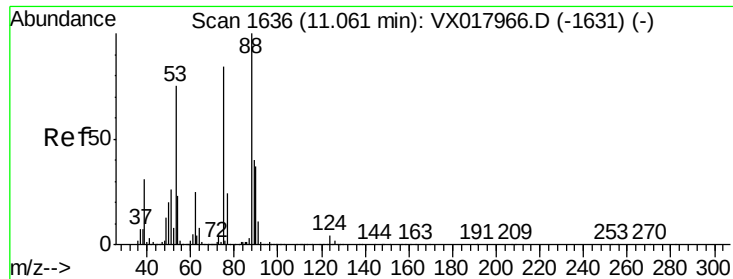
77 1.7 21.1 63.1#



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: 61.439 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018017.D
 Acq: 20 Aug 2020 05:00

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB181-GW-478-480

Tot Ion: 75 Resp: 180618
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.2 112.8#
 89 0.1 38.4 57.6#

