

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090220\
 Data File : VN063195.D
 Acq On : 2 Sep 2020 15:05
 Operator : JC/MD
 Sample : L3889-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-TB-20200831

Quant Time: Sep 03 01:01:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	342842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	671806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	648712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	259091	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	270232	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
35) Dibromofluoromethane	7.55	113	210972	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	10.06	98	840423	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.38	95	290944	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	

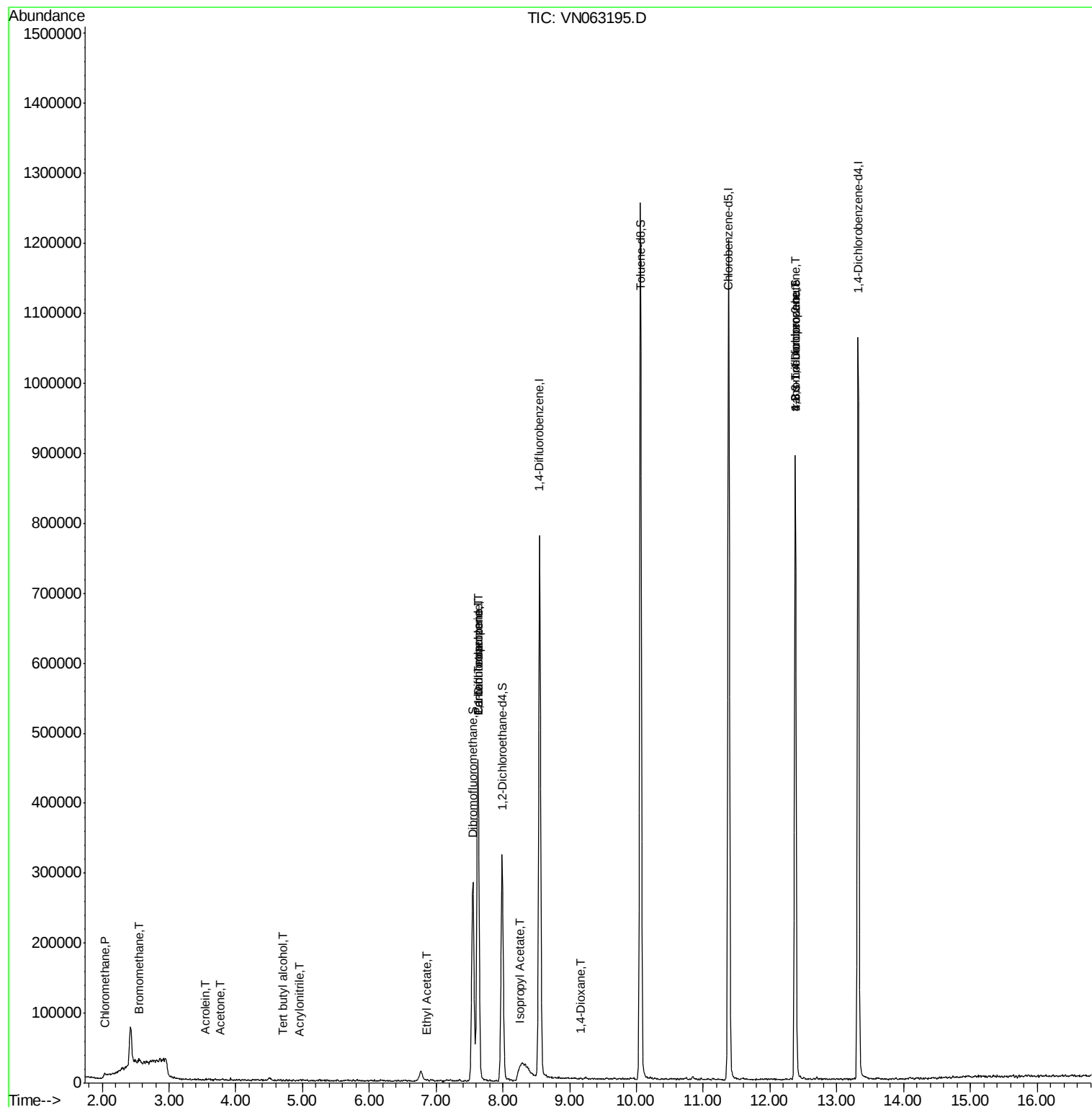
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2831	0.576	ug/l	90
5) Bromomethane	2.55	94	2192	0.479	ug/l #	71
7) Trichlorofluoromethane	2.98	101	65	Below Cal	#	41
11) Tert butyl alcohol	4.71	59	349	0.507	ug/l #	72
13) Acrolein	3.55	56	66	16.005	ug/l #	64
15) Acrylonitrile	4.95	53	70	2.440	ug/l #	52
16) Acetone	3.76	43	502	0.315	ug/l #	46
20) Methylene Chloride	4.50	84	2052	Below Cal	#	83
31) Cyclohexane	7.63	56	10364	Below Cal	#	12
36) 1,1-Dichloropropene	7.63	75	32231	4.991	ug/l #	50
37) Ethyl Acetate	6.87	43	83	0.394	ug/l #	1
38) Carbon Tetrachloride	7.63	117	37132	5.669	ug/l #	15
43) Isopropyl Acetate	8.24	43	12733	1.209	ug/l #	59
49) 1,4-Dioxane	9.17	88	264	3.595	ug/l #	89
76) 1,2,3-Trichloropropane	12.38	75	170916	33.575	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	170916	81.150	ug/l #	10

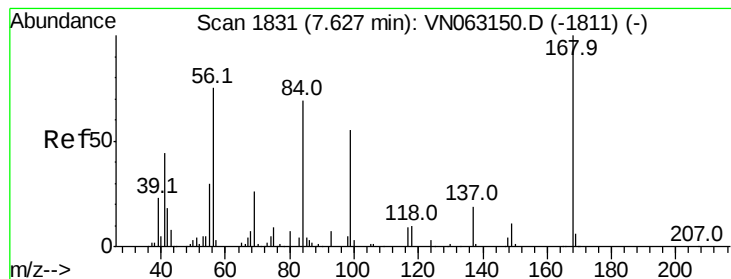
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063195.D

Acq: 2 Sep 2020 15:05

Instrument :

MSVOA_N

ClientSampleId :

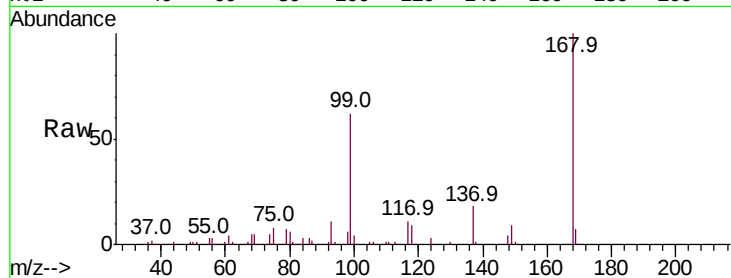
BP-VPB181-TB-20200831

Tot Ion:168 Resp: 342842

Ion Ratio Lower Upper

168 100

99 61.9 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

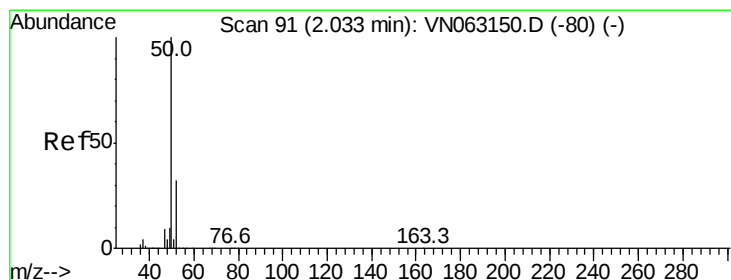
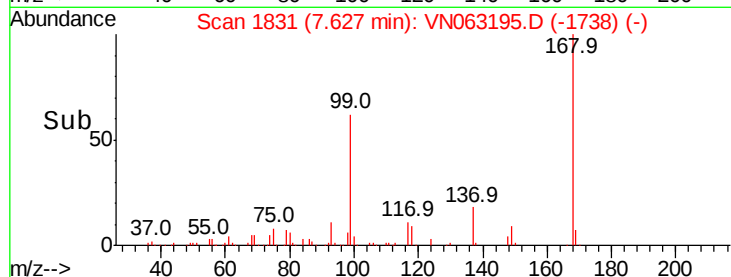
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.576 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063195.D

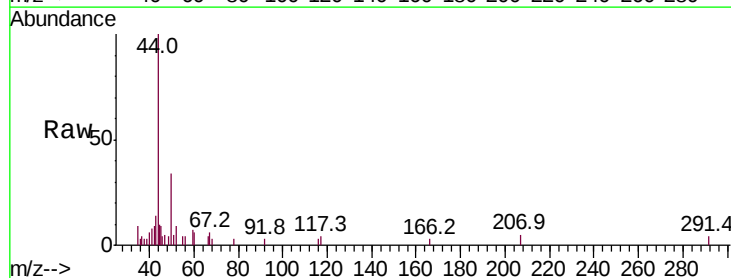
Acq: 2 Sep 2020 15:05

Tgt Ion: 50 Resp: 2831

Ion Ratio Lower Upper

50 100

52 26.4 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

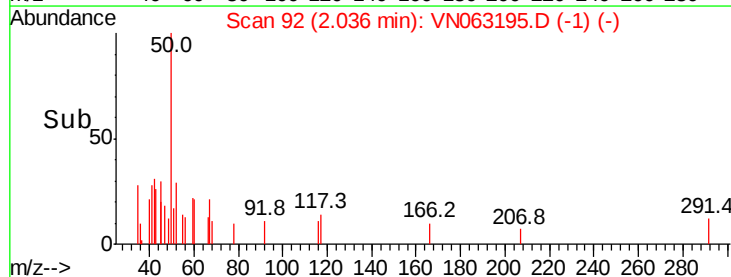
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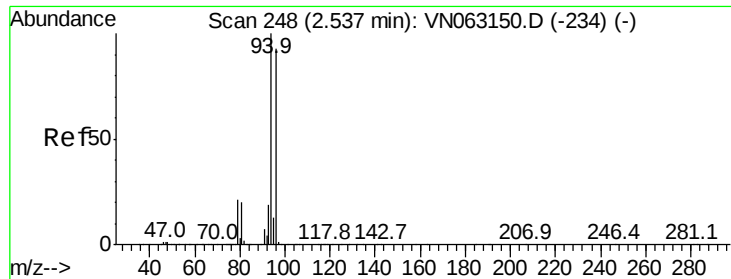
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.479 ug/l

RT: 2.55 min Scan# 252

Delta R.T. 0.01 min

Lab File: VN063195.D

Acq: 2 Sep 2020 15:05

Instrument :

MSVOA_N

ClientSampleId :

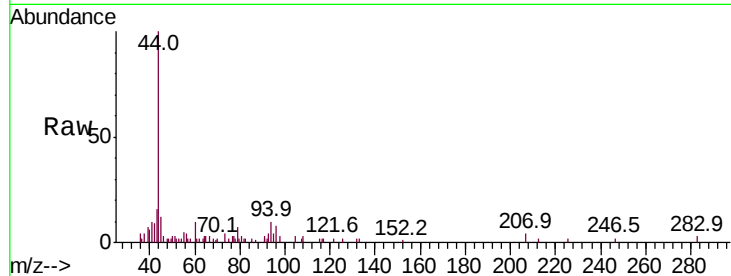
BP-VPB181-TB-20200831

Tot Ion: 94 Resp: 2192

Ion Ratio Lower Upper

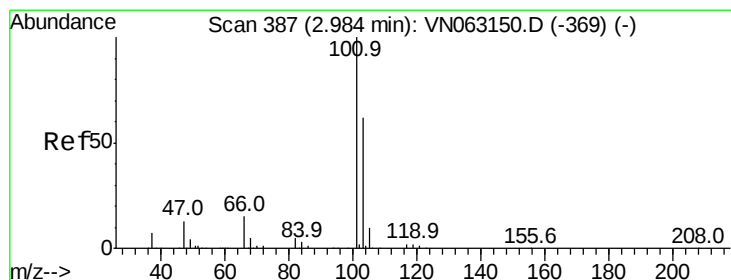
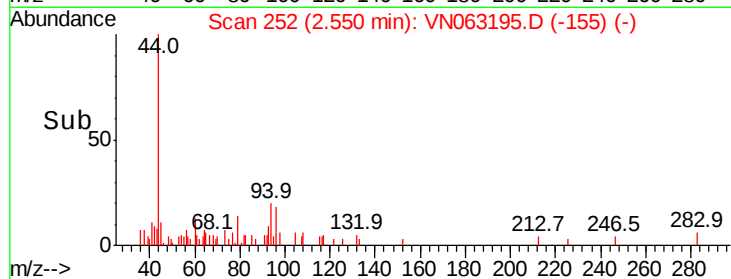
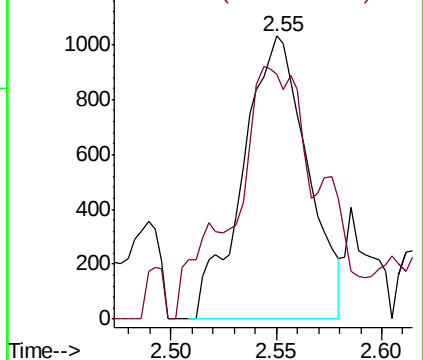
94 100

96 65.5 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.98 min Scan# 386

Delta R.T. -0.00 min

Lab File: VN063195.D

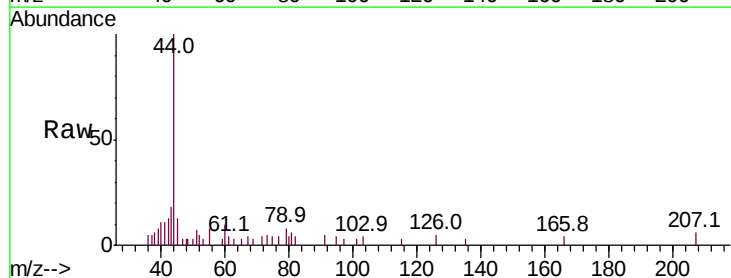
Acq: 2 Sep 2020 15:05

Tgt Ion: 101 Resp: 65

Ion Ratio Lower Upper

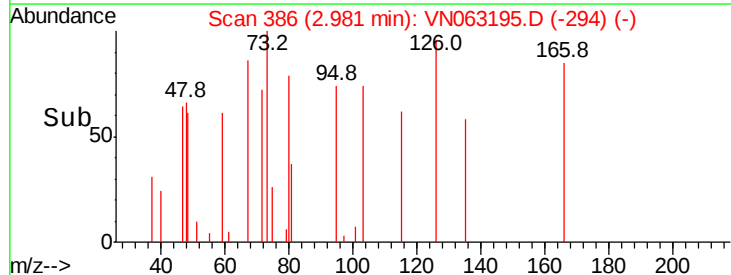
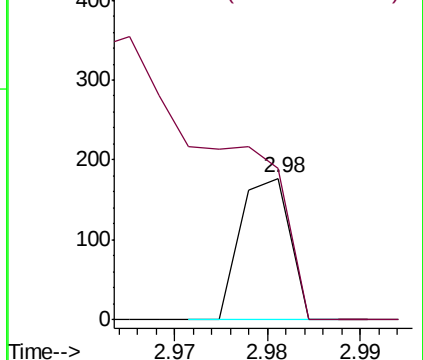
101 100

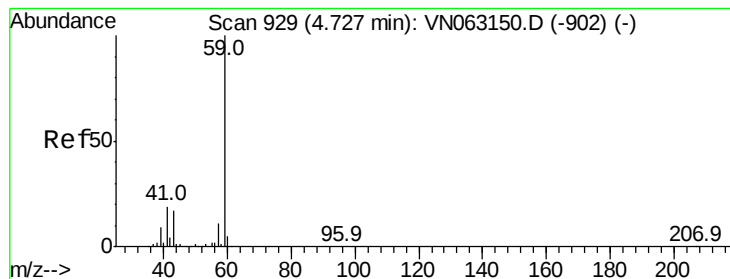
103 107.3 49.7 74.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#11

Tert butyl alcohol

Concen: 0.507 ug/l

RT: 4.71 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN063195.D

Acq: 2 Sep 2020 15:05

Instrument :

MSVOA_N

ClientSampleId :

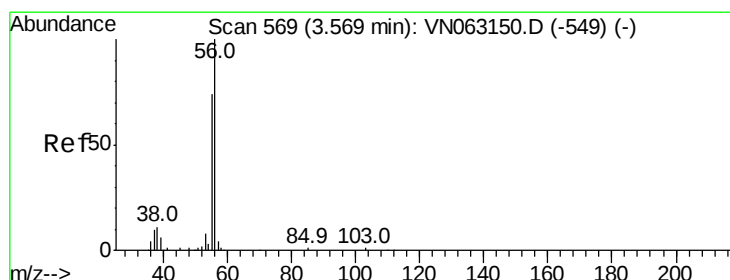
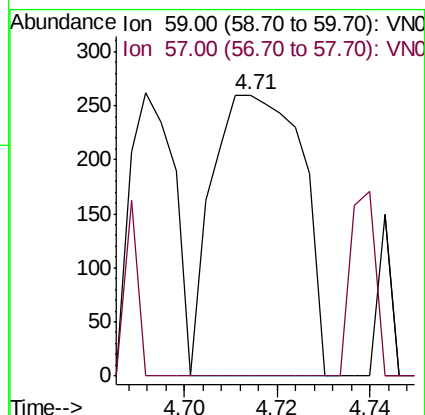
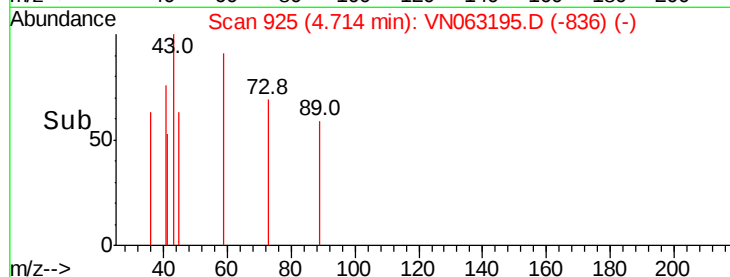
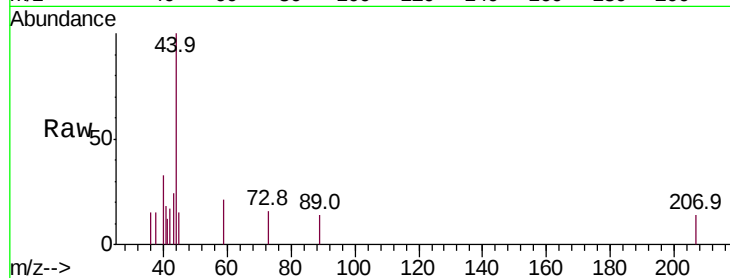
BP-VPB181-TB-20200831

Tot Ion: 59 Resp: 349

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



#13

Acrolein

Concen: 16.005 ug/l

RT: 3.55 min Scan# 564

Delta R.T. -0.02 min

Lab File: VN063195.D

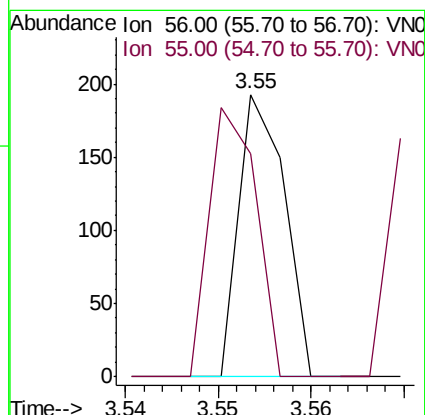
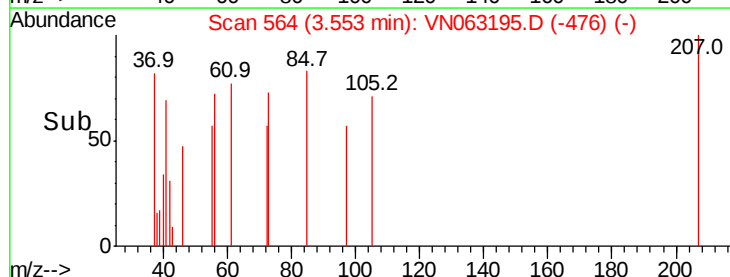
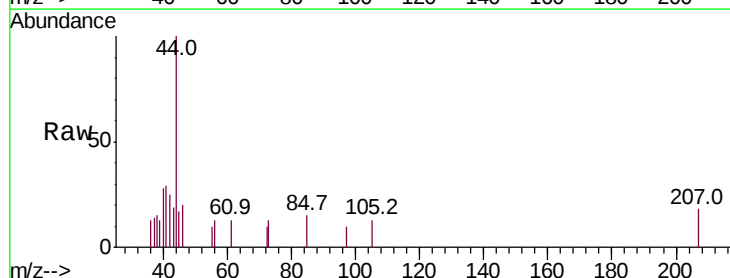
Acq: 2 Sep 2020 15:05

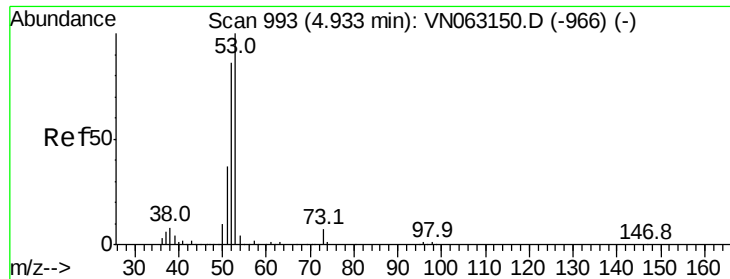
Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

55 98.5 55.4 83.0#





#15

Acrylonitrile

Concen: 2.440 ug/l

RT: 4.95 min Scan# 998

Delta R.T. 0.02 min

Lab File: VN063195.D

Acq: 2 Sep 2020 15:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-TB-20200831

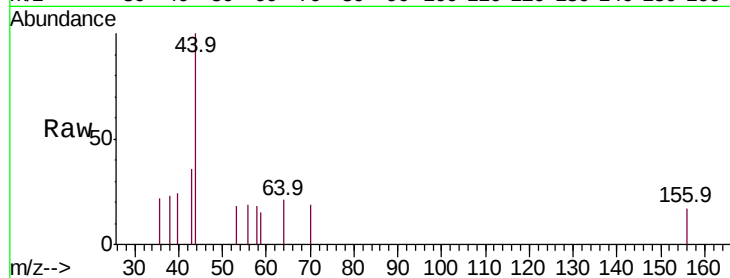
Tot Ion: 53 Resp: 70

Ion Ratio Lower Upper

53 100

52 142.9 67.2 100.8#

51 44.3 30.2 45.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

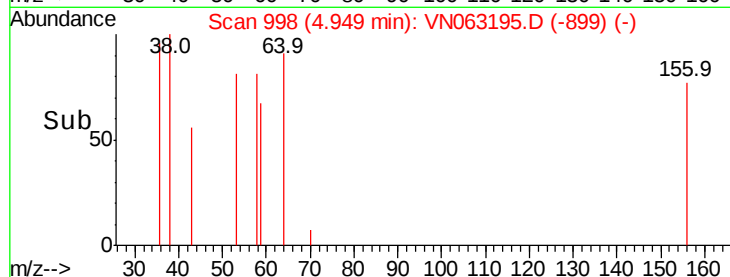
Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.95

4.94 4.95 4.96

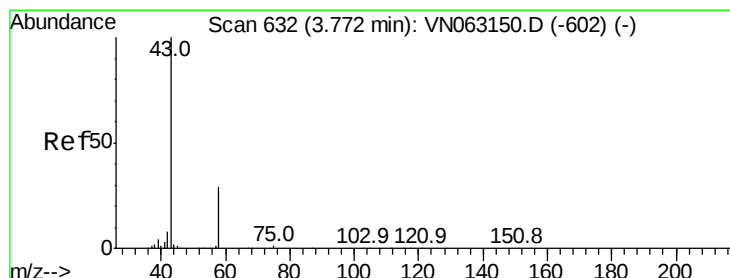
Time-->



4.95

4.94 4.95 4.96

Time-->



#16

Acetone

Concen: 0.315 ug/l

RT: 3.76 min Scan# 629

Delta R.T. -0.01 min

Lab File: VN063195.D

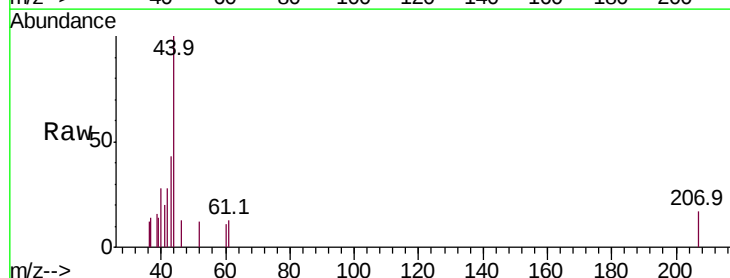
Acq: 2 Sep 2020 15:05

Tgt Ion: 43 Resp: 502

Ion Ratio Lower Upper

43 100

58 0.0 23.1 34.7#



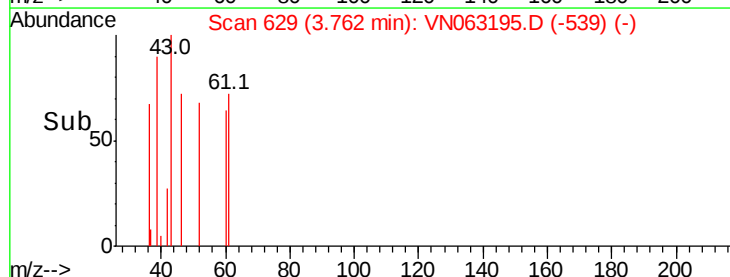
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.76

3.72 3.74 3.76 3.78

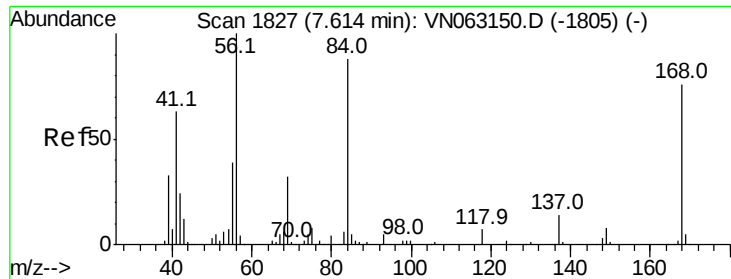
Time-->



3.76

3.72 3.74 3.76 3.78

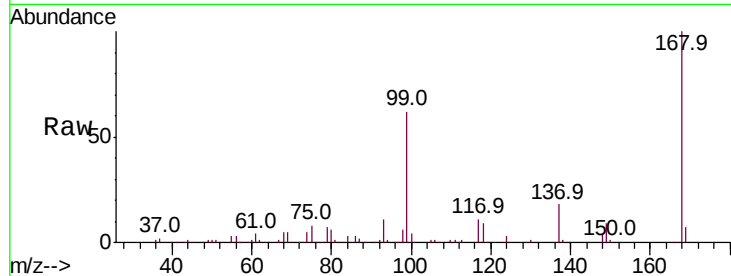
Time-->



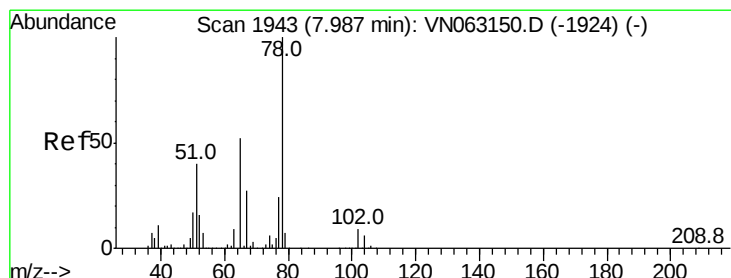
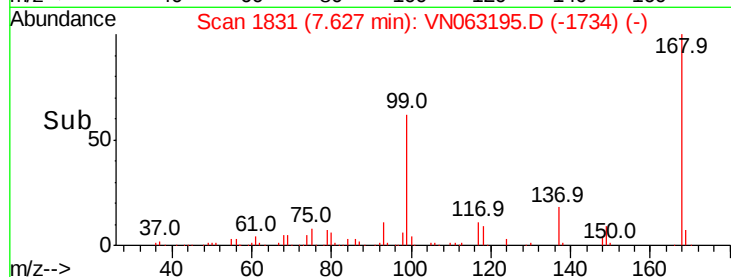
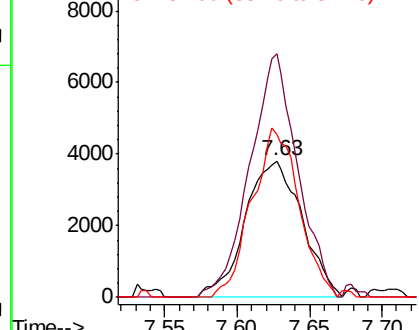
#31
Cyclohexane
Concen: Below Cal
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063195.D
Acq: 2 Sep 2020 15:05

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-TB-20200831

Tot Ion: 56 Resp: 10364
Ion Ratio Lower Upper
56 100
69 171.6 25.4 38.0#
84 114.7 70.2 105.4#

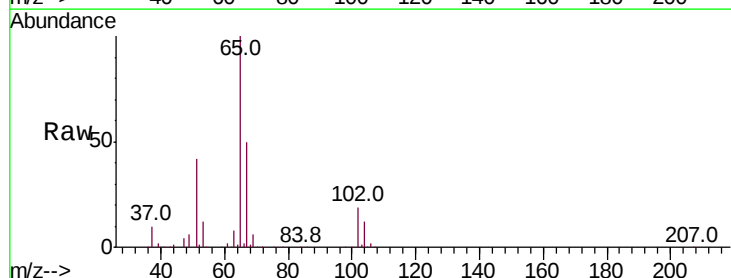


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

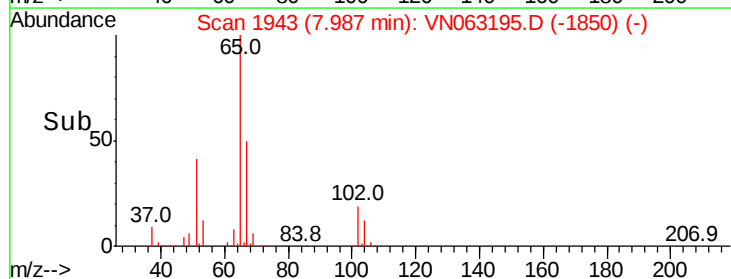
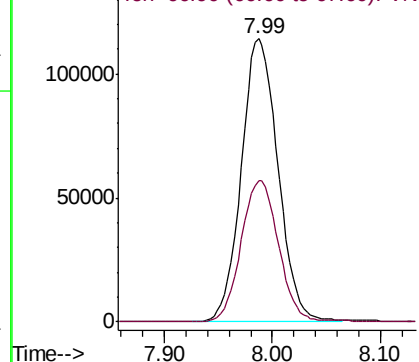


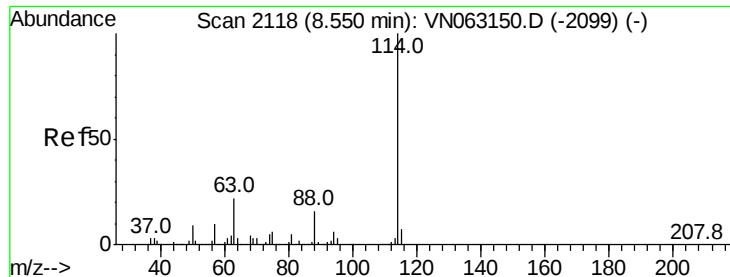
#33
1,2-Dichloroethane-d4
Concen: 48.217 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063195.D
Acq: 2 Sep 2020 15:05

Tgt Ion: 65 Resp: 270232
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

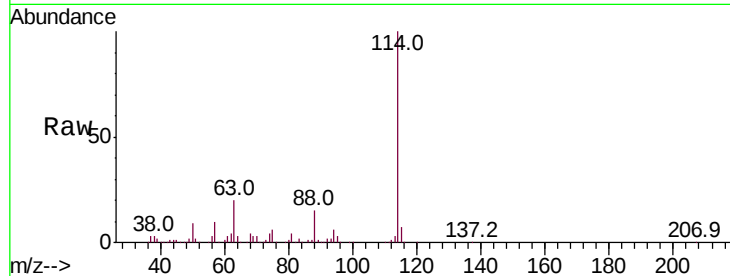




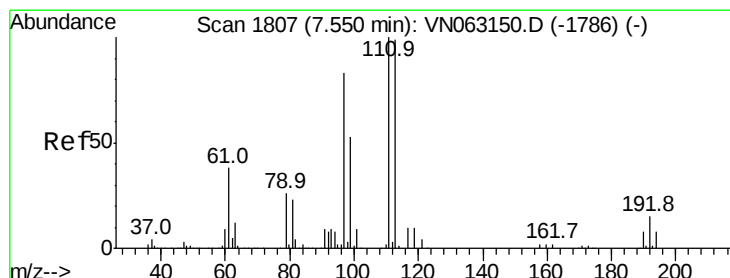
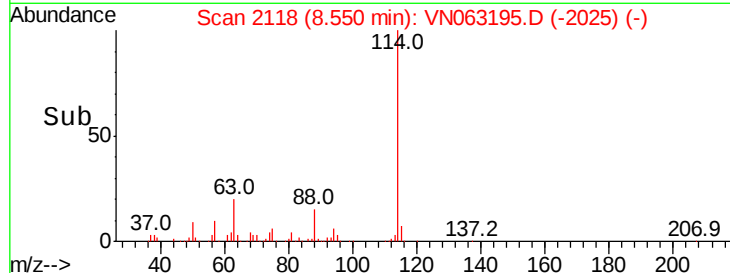
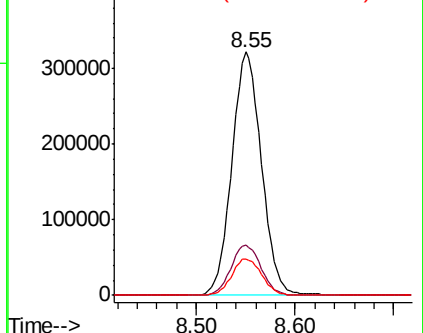
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN063195.D
Acq: 2 Sep 2020 15:05

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-TB-20200831

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.0
88	15.0	0.0	31.6

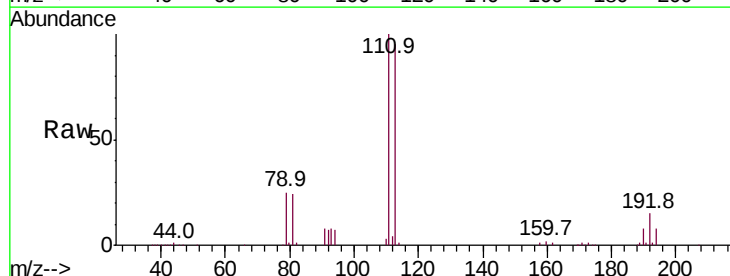


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

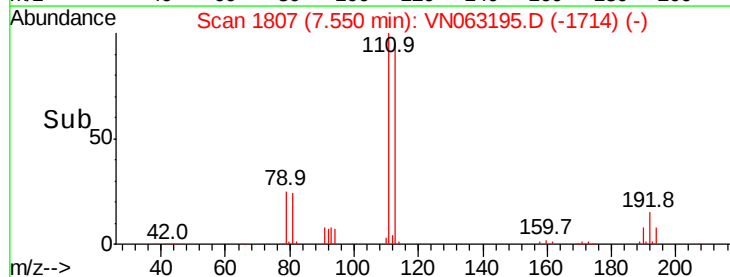
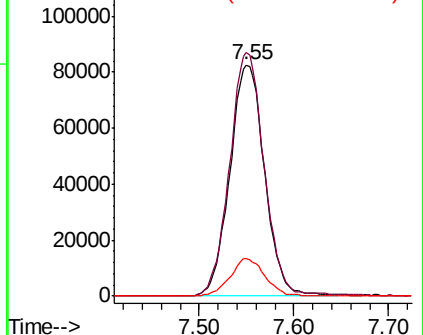


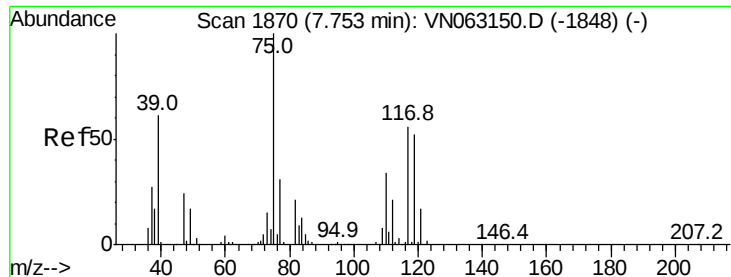
#35
Dibromofluoromethane
Concen: 48.950 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063195.D
Acq: 2 Sep 2020 15:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	80.7	121.1
192	16.1	12.6	19.0



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

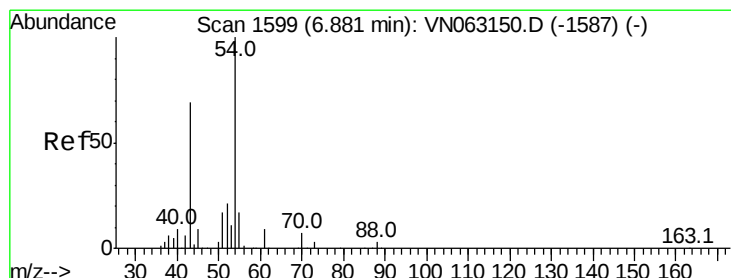
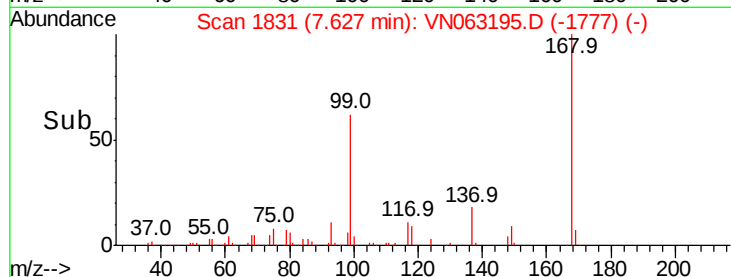
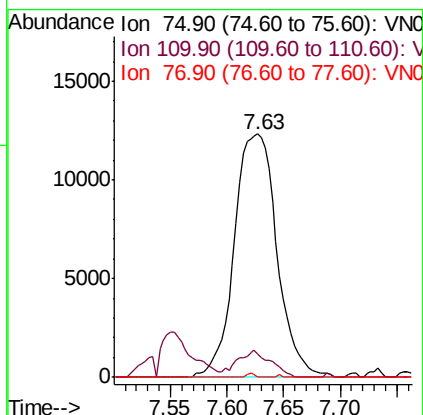
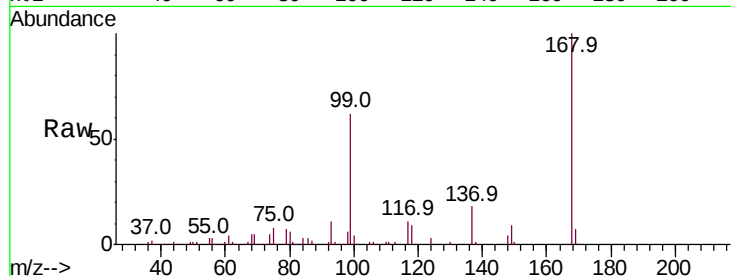




#36
 1,1-Dichloropropene
 Concen: 4.991 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063195.D
 Acq: 2 Sep 2020 15:05

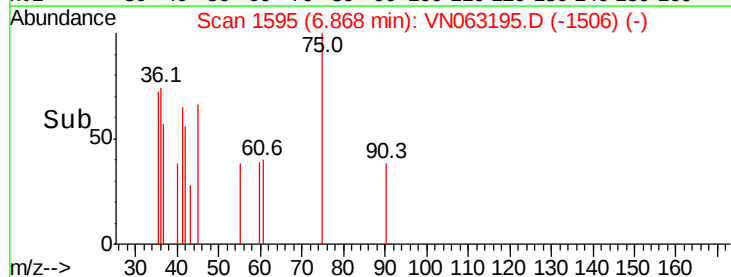
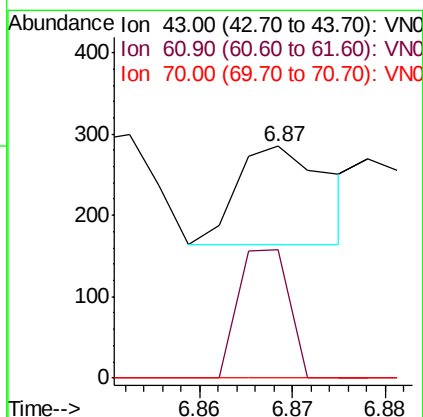
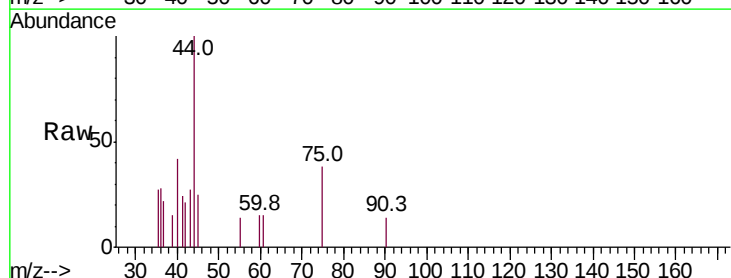
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-TB-20200831

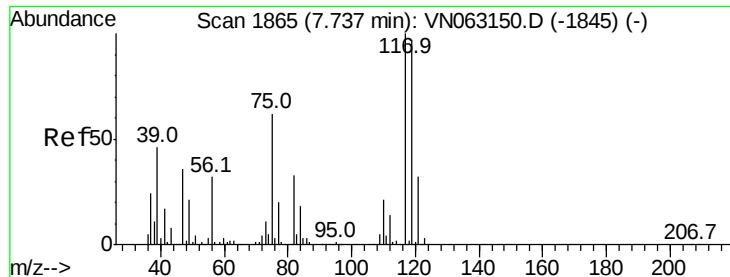
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.6	49.8#
77	0.3	25.4	38.2#



#37
 Ethyl Acetate
 Concen: 0.394 ug/l
 RT: 6.87 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: VN063195.D
 Acq: 2 Sep 2020 15:05

Tgt Ion	Ratio	Lower	Upper
43	100		
61	73.5	10.2	15.4#
70	0.0	3.0	4.6#





#38

Carbon Tetrachloride

Concen: 5.669 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063195.D

Acq: 2 Sep 2020 15:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-TB-20200831

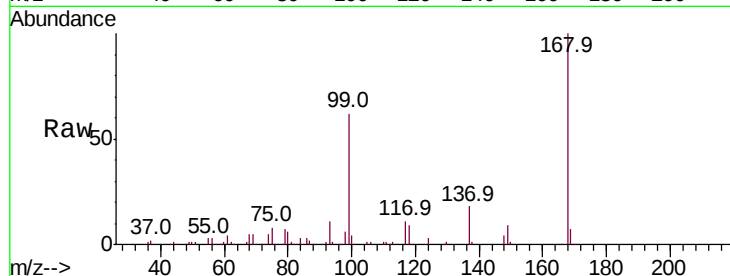
Tot Ion:117 Resp: 37132

Ion Ratio Lower Upper

117 100

119 4.4 77.2 115.8#

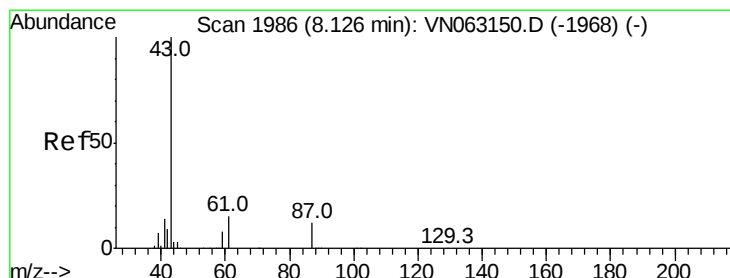
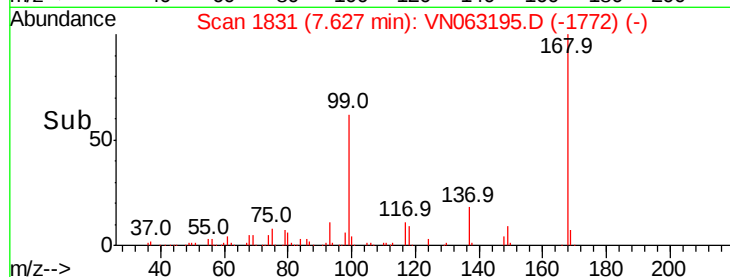
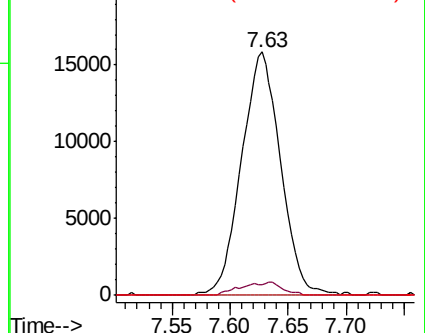
121 0.0 25.6 38.4#



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



#43

Isopropyl Acetate

Concen: 1.209 ug/l

RT: 8.24 min Scan# 2021

Delta R.T. 0.11 min

Lab File: VN063195.D

Acq: 2 Sep 2020 15:05

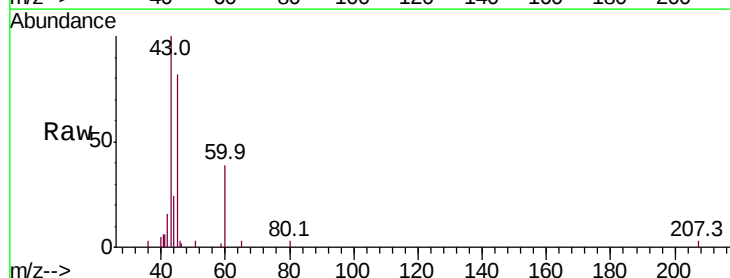
Tgt Ion: 43 Resp: 12733

Ion Ratio Lower Upper

43 100

61 2.1 20.2 30.4#

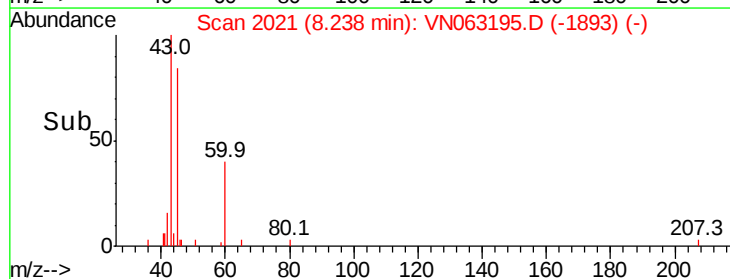
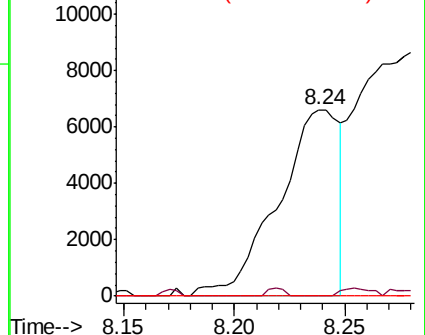
87 0.0 9.8 14.6#

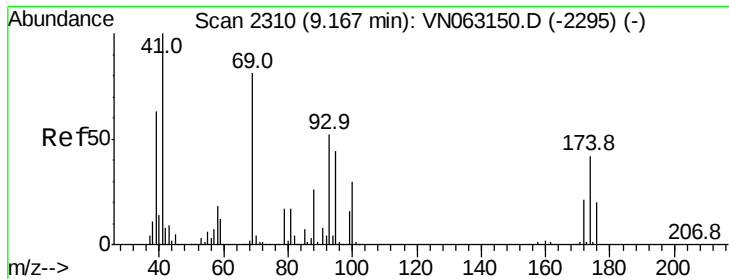


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

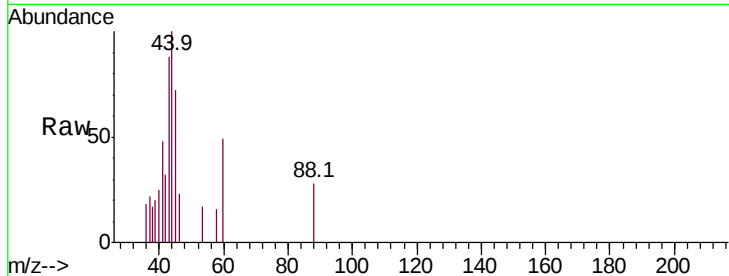




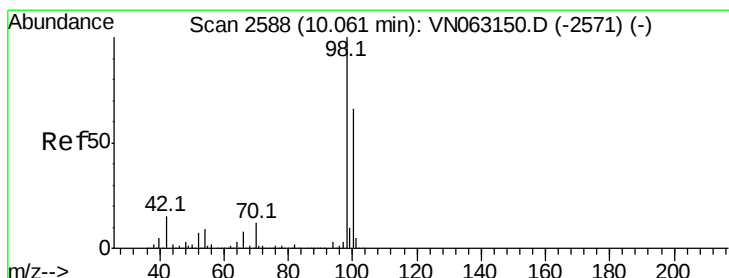
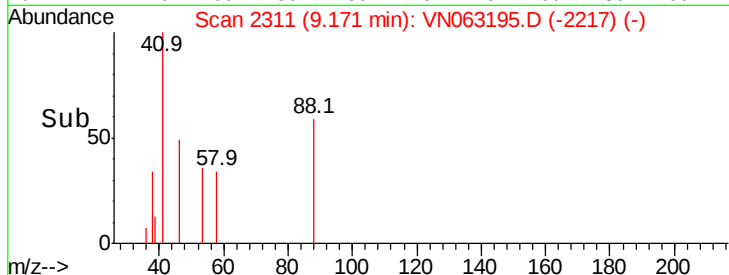
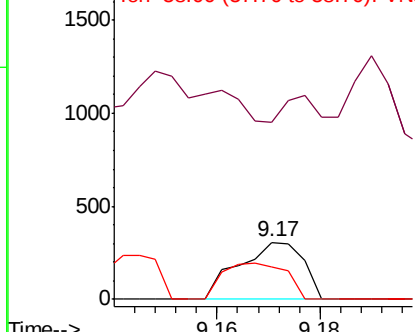
#49
1,4-Dioxane
Concen: 3.595 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN063195.D
Acq: 2 Sep 2020 15:05

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-TB-20200831

Tot Ion: 88 Resp: 264
Ion Ratio Lower Upper
88 100
43 21.2 28.6 42.8#
58 63.3 53.2 79.8

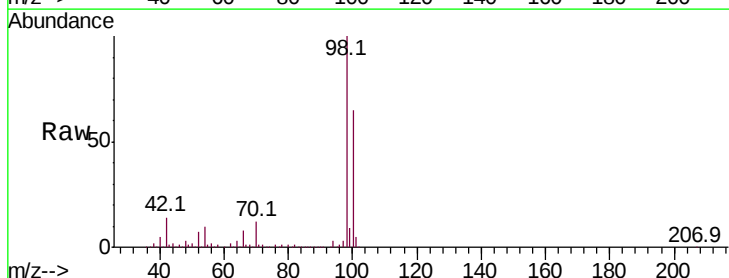


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

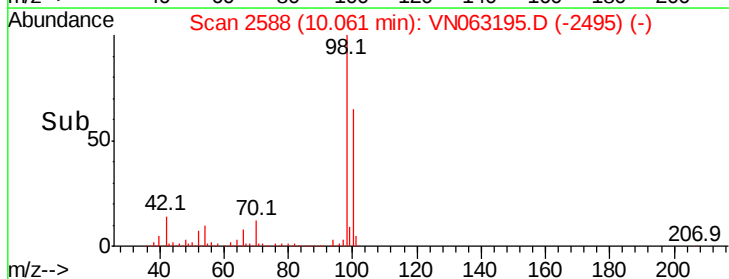
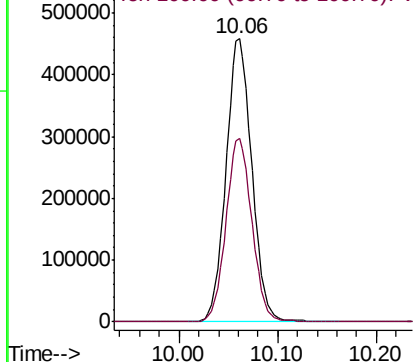


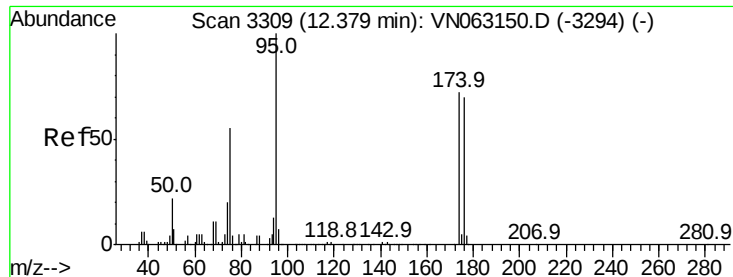
#50
Toluene-d8
Concen: 50.661 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063195.D
Acq: 2 Sep 2020 15:05

Tgt Ion: 98 Resp: 840423
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 50.137 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063195.D

Acq: 2 Sep 2020 15:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-TB-20200831

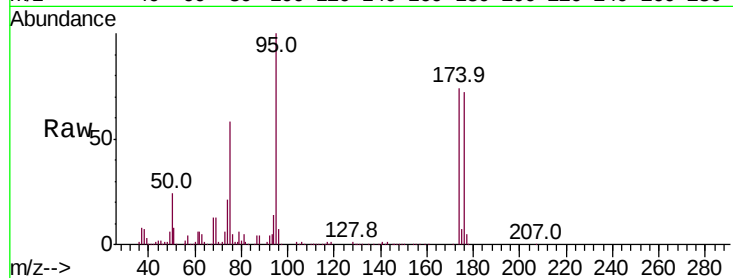
Tot Ion: 95 Resp: 290944

Ion Ratio Lower Upper

95 100

174 73.7 0.0 143.8

176 71.7 0.0 138.4



Abundance Ion 94.90 (94.60 to 95.60): VN063195.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063195.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063195.D (-3294) (-)

12.38

200000

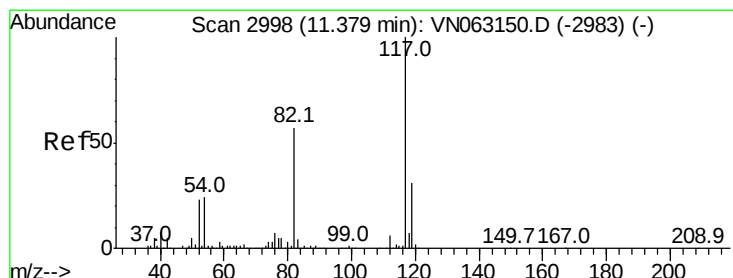
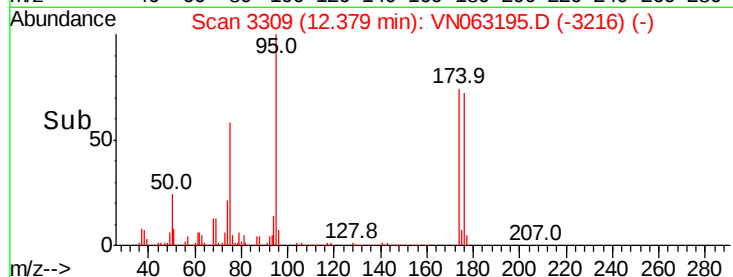
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063195.D

Acq: 2 Sep 2020 15:05

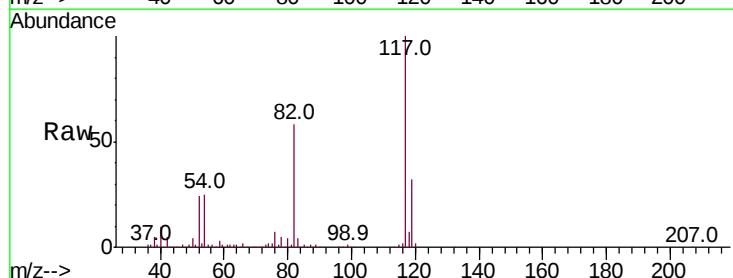
Tgt Ion: 117 Resp: 648712

Ion Ratio Lower Upper

117 100

82 57.8 45.4 68.0

119 32.0 24.6 37.0



Abundance Ion 116.90 (116.60 to 117.60): VN063195.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063195.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063195.D (-2983) (-)

11.38

500000

400000

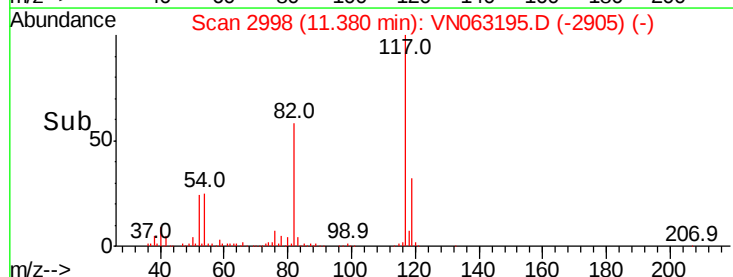
300000

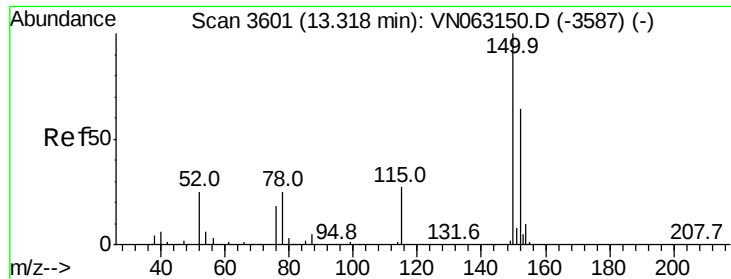
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063195.D

Acq: 2 Sep 2020 15:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-TB-20200831

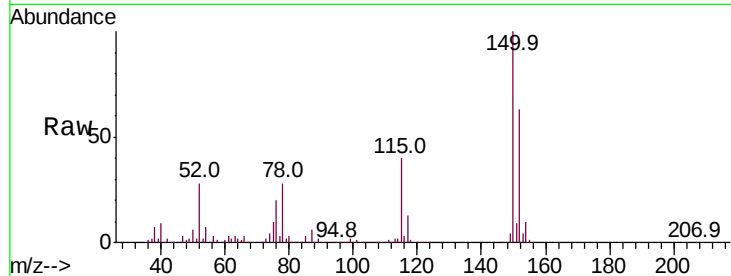
Tot Ion:152 Resp: 259091

Ion Ratio Lower Upper

152 100

115 62.9 32.0 96.2

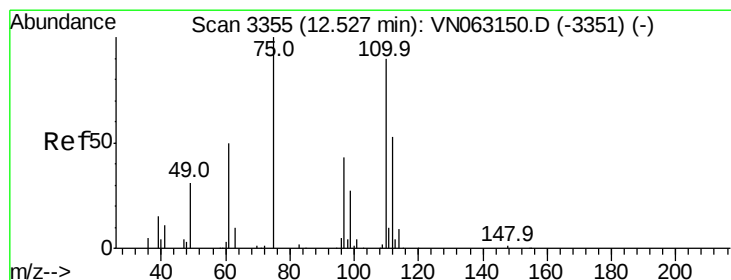
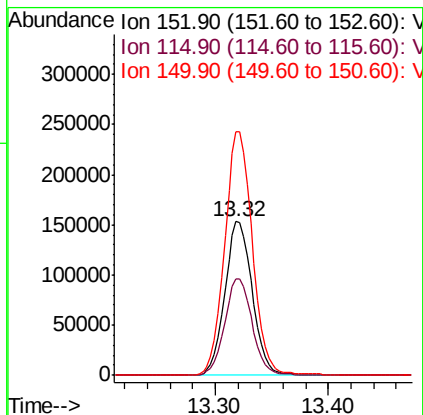
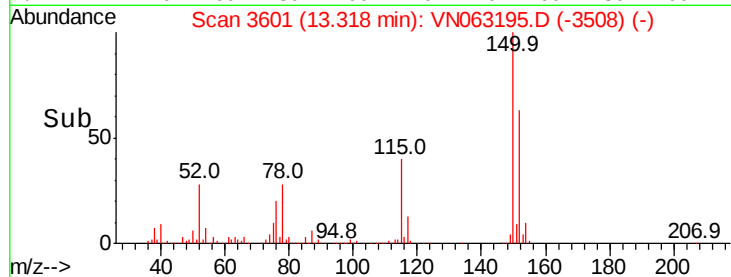
150 159.6 0.0 353.0



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: 33.575 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN063195.D

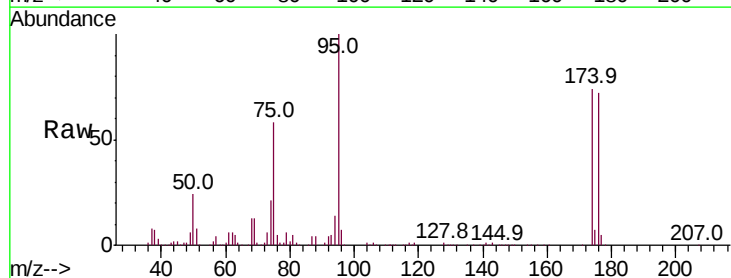
Acq: 2 Sep 2020 15:05

Tgt Ion: 75 Resp: 170916

Ion Ratio Lower Upper

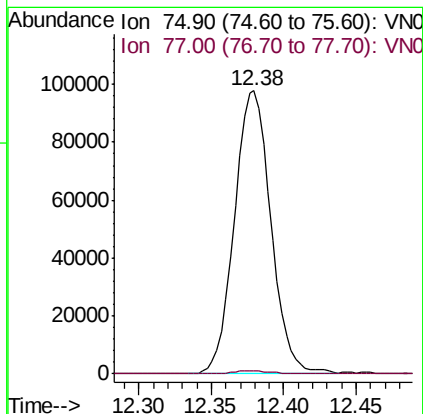
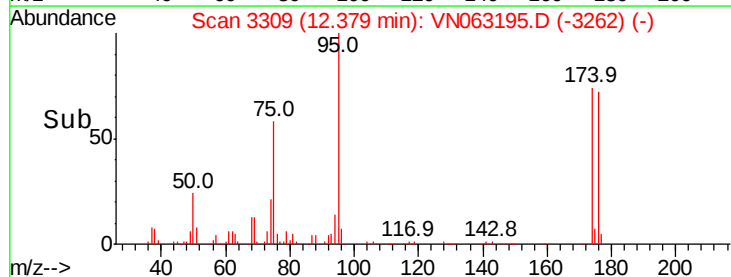
75 100

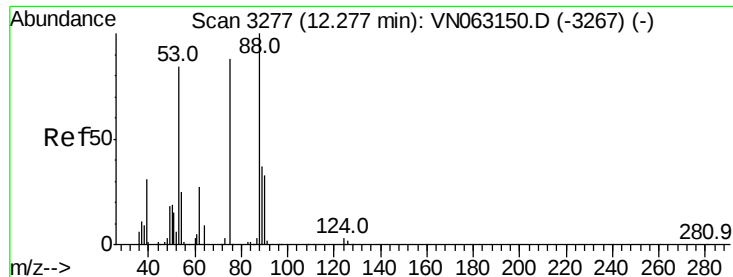
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 81.150 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.10 min

Lab File: VN063195.D

Acq: 2 Sep 2020 15:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-TB-20200831

Tot Ion: 75 Resp: 170916

Ion Ratio Lower Upper

75 100

53 0.0 78.7 118.1#

89 0.2 35.3 52.9#

