

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064631.D
 Acq On : 13 Nov 2020 15:00
 Operator : JC/MD
 Sample : L4747-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-598-600

Quant Time: Nov 17 01:57:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	219452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	462985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	477576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169175	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	228131	59.68	ug/l	0.00
Spiked Amount			Recovery	=	119.36%	
35) Dibromofluoromethane	7.55	113	165124	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
50) Toluene-d8	10.06	98	596921	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.38	95	217835	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	

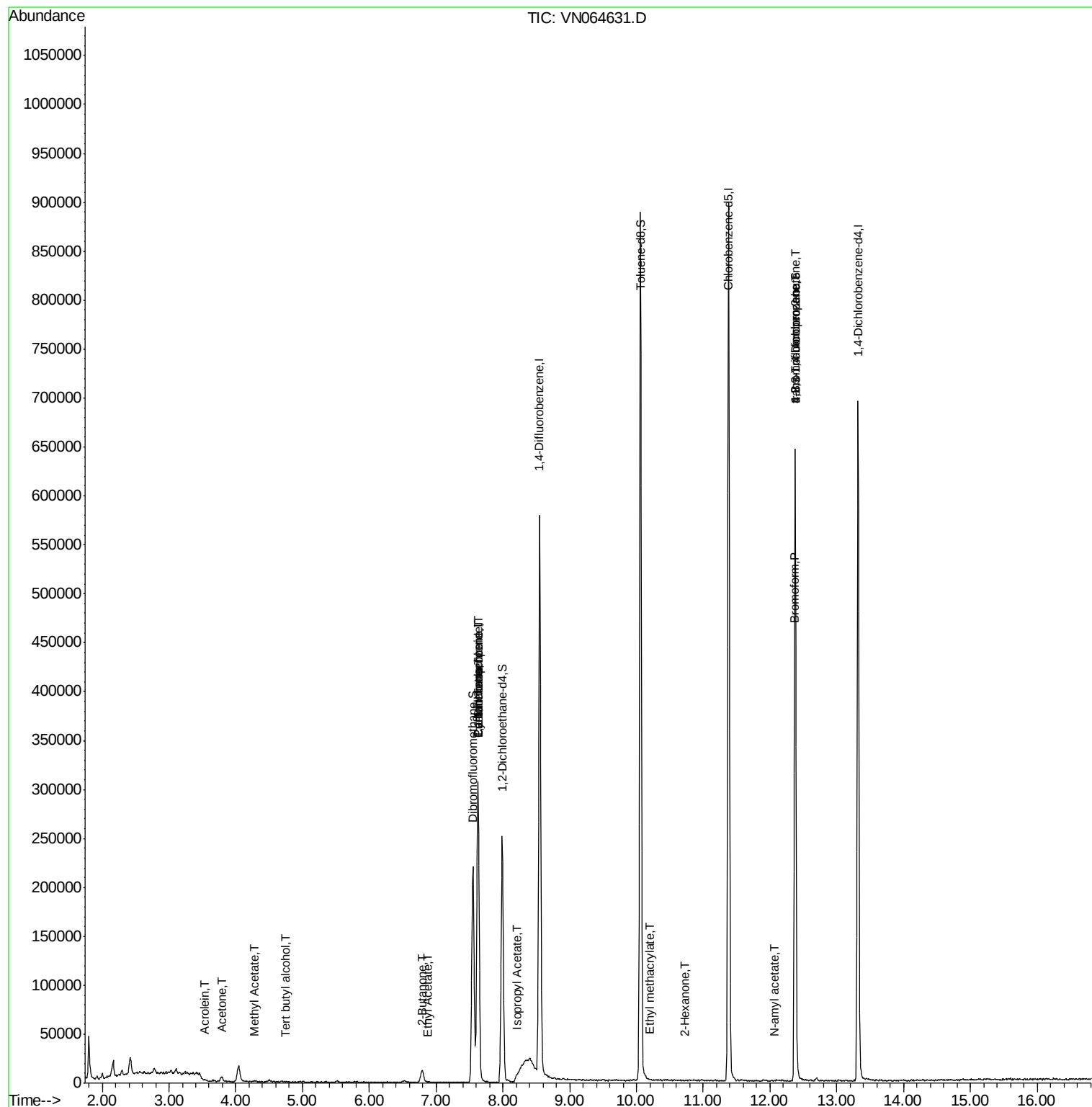
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	175	0.415	ug/l #	71
13) Acrolein	3.53	56	102	0.390	ug/l #	1
16) Acetone	3.79	43	8920	6.126	ug/l	99
18) Methyl Acetate	4.28	43	1181	0.413	ug/l #	79
25) 2-Butanone	6.80	43	848	0.457	ug/l #	62
31) Cyclohexane	7.62	56	6174	1.329	ug/l #	13
36) 1,1-Dichloropropene	7.63	75	22808	4.663	ug/l #	49
37) Ethyl Acetate	6.87	43	131	0.788	ug/l #	71
38) Carbon Tetrachloride	7.63	117	25730	4.922	ug/l #	16
43) Isopropyl Acetate	8.21	43	4844	0.611	ug/l #	64
56) Ethyl methacrylate	10.22	69	62	1.852	ug/l #	1
59) 2-Hexanone	10.72	43	208	4.082	ug/l #	28
71) Bromoform	12.36	173	99	1.308	ug/l #	1
74) N-amyl acetate	12.05	43	233	1.249	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	123973	30.245	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	123973	84.447	ug/l #	8

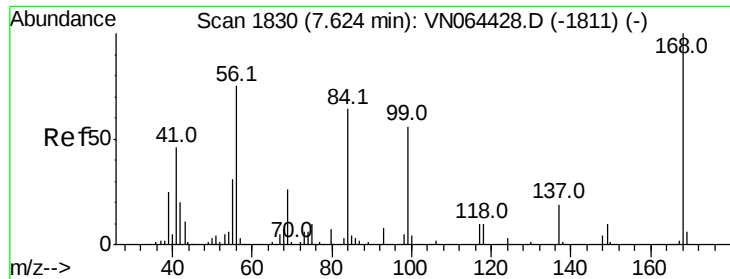
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064631.D

Acq: 13 Nov 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

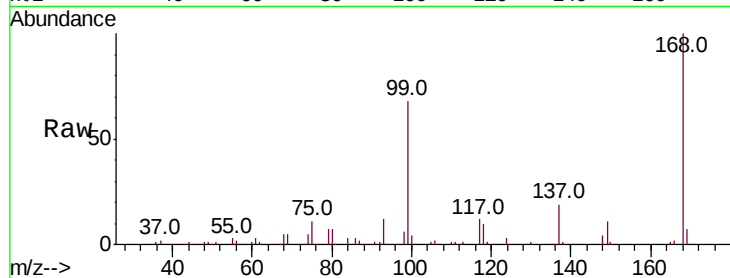
BP-VPB178-GW-598-600

Tot Ion:168 Resp: 219452

Ion Ratio Lower Upper

168 100

99 67.7 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): VN064428.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064428.D (-1811) (-)

7.63

100000

80000

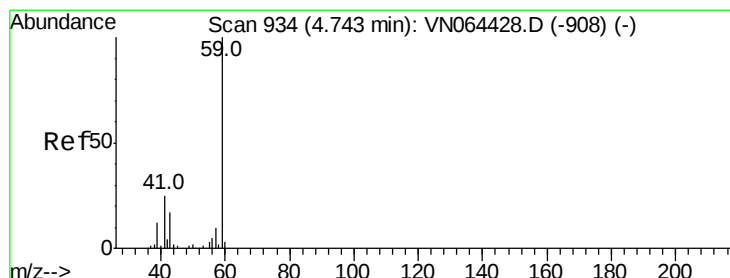
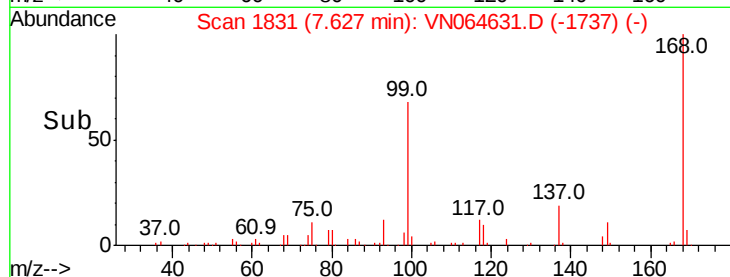
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.415 ug/l

RT: 4.75 min Scan# 937

Delta R.T. 0.01 min

Lab File: VN064631.D

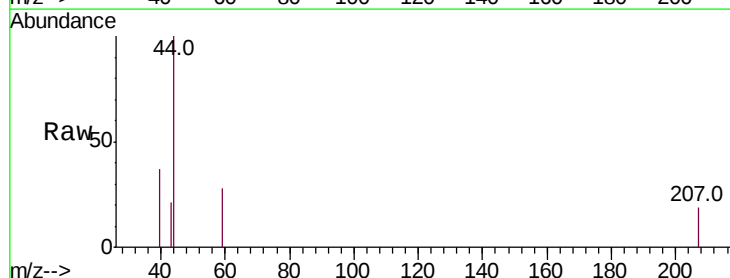
Acq: 13 Nov 2020 15:00

Tgt Ion: 59 Resp: 175

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN064428.D (-908) (-)

Ion 57.00 (56.70 to 57.70): VN064428.D (-908) (-)

4.75

300

250

200

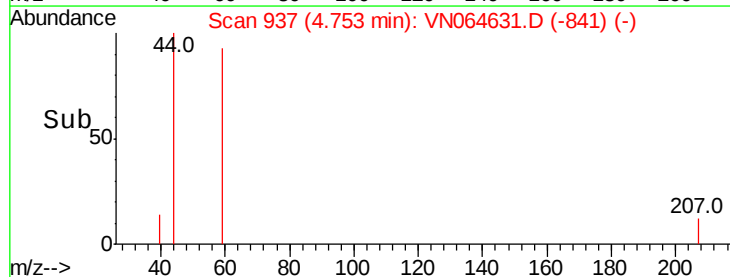
150

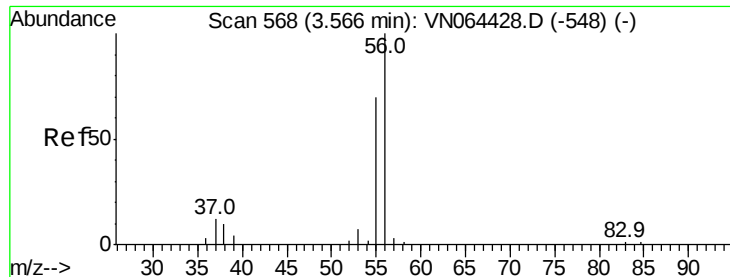
100

50

0

Time--> 4.74 4.75 4.76 4.77





#13

Acrolein

Concen: 0.390 ug/l

RT: 3.53 min Scan# 557

Delta R.T. -0.04 min

Lab File: VN064631.D

Acq: 13 Nov 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

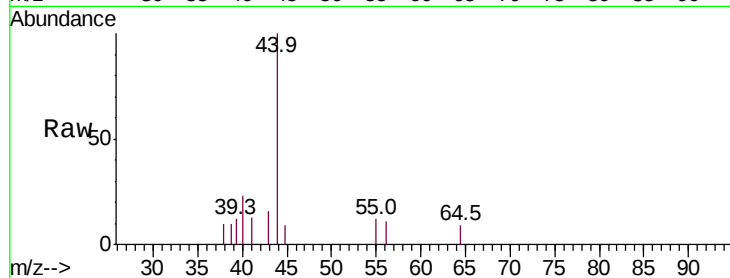
BP-VPB178-GW-598-600

Tot Ion: 56 Resp: 102

Ion Ratio Lower Upper

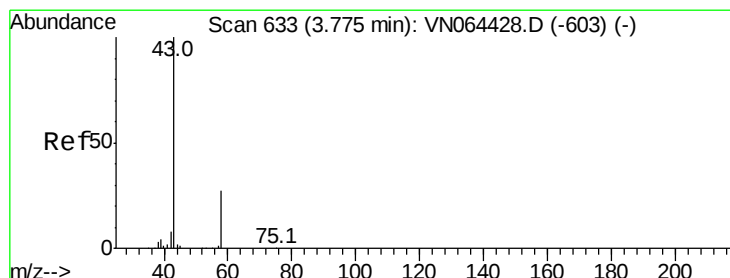
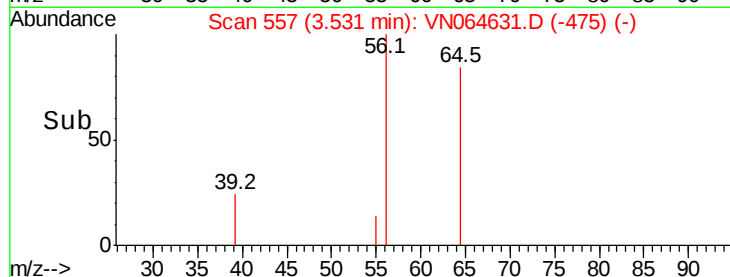
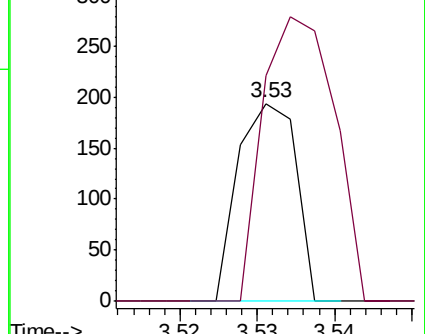
56 100

55 176.5 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 6.126 ug/l

RT: 3.79 min Scan# 638

Delta R.T. 0.02 min

Lab File: VN064631.D

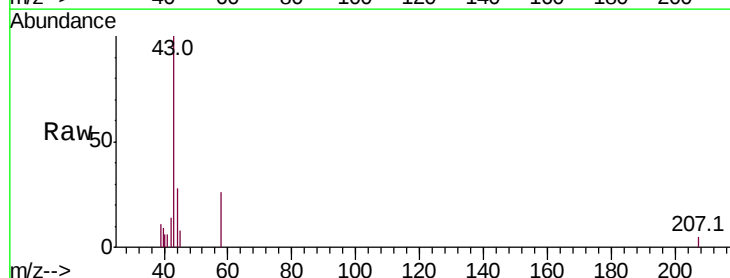
Acq: 13 Nov 2020 15:00

Tgt Ion: 43 Resp: 8920

Ion Ratio Lower Upper

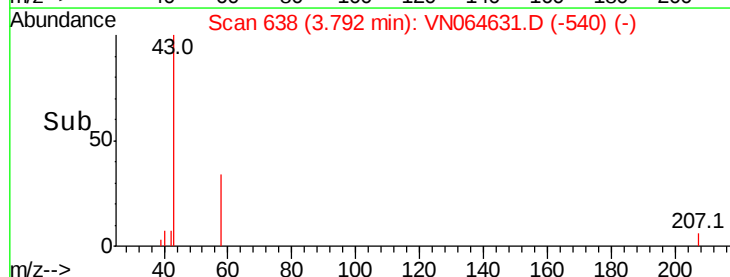
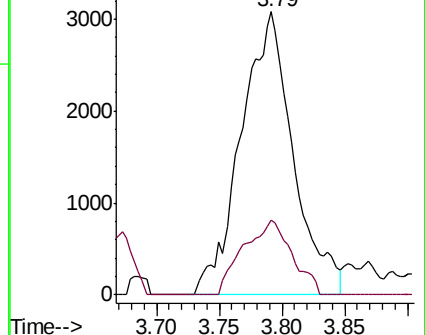
43 100

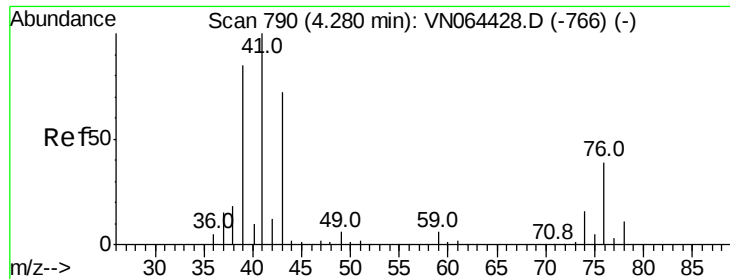
58 26.3 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

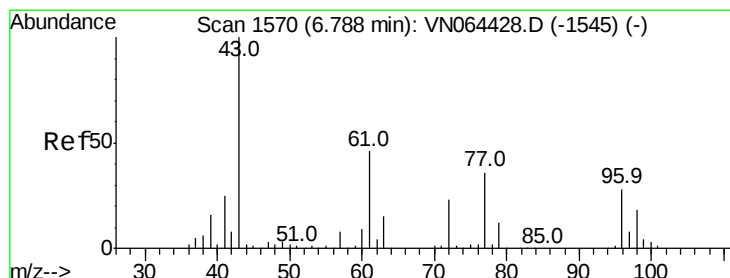
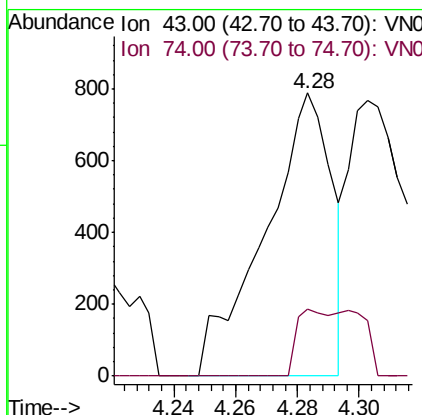
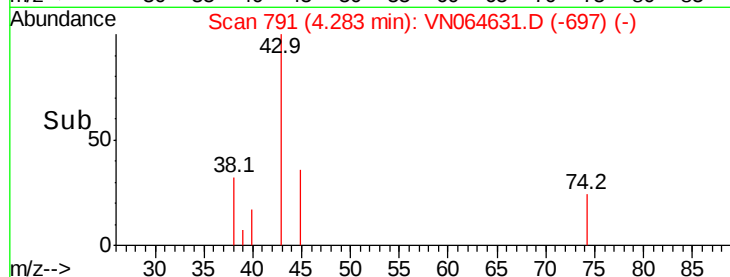
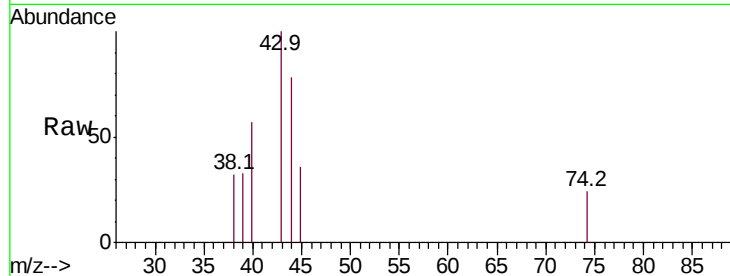




#18
Methyl Acetate
Concen: 0.413 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064631.D
Acq: 13 Nov 2020 15:00

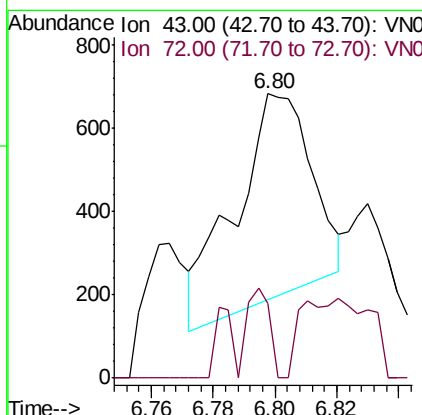
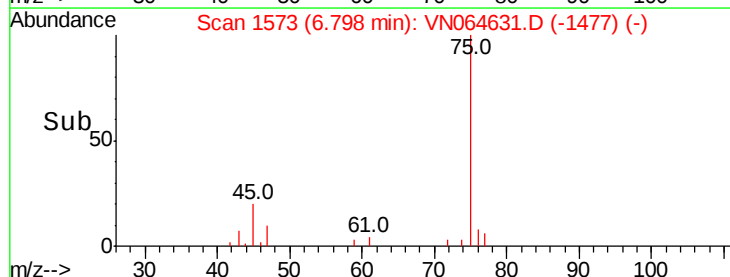
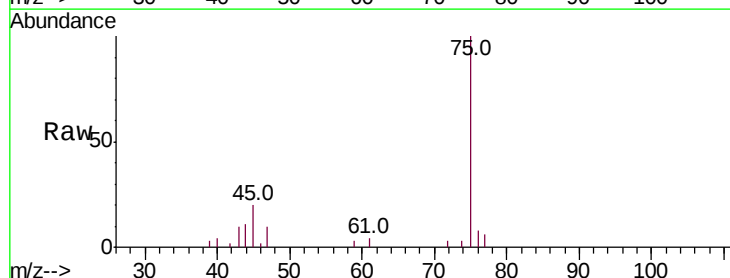
Instrument :
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BP-VPB178-GW-598-600

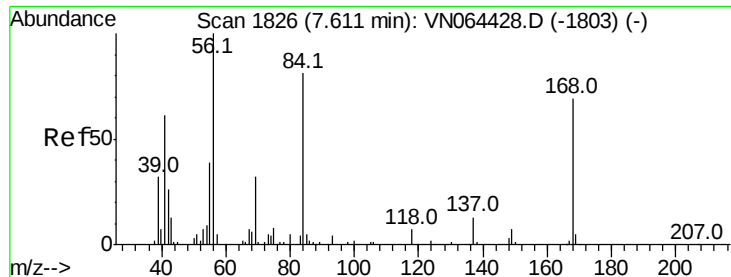
Tot Ion: 43 Resp: 1181
Ion Ratio Lower Upper
43 100
74 11.4 17.0 25.4#



#25
2-Butanone
Concen: 0.457 ug/l
RT: 6.80 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN064631.D
Acq: 13 Nov 2020 15:00

Tgt Ion: 43 Resp: 848
Ion Ratio Lower Upper
43 100
72 41.5 18.5 27.7#

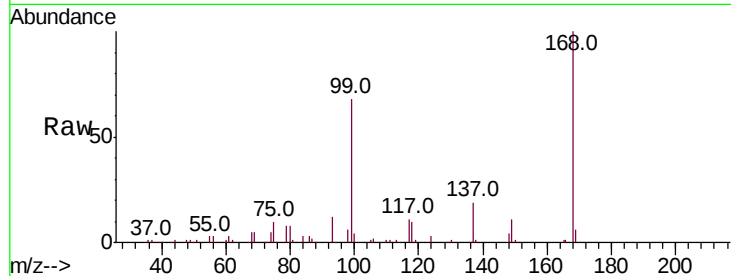




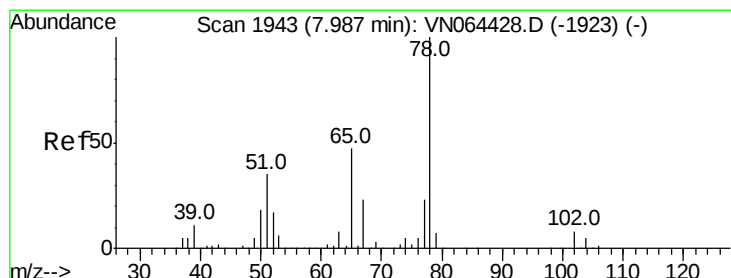
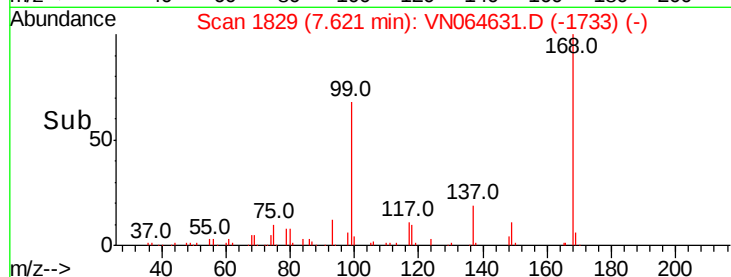
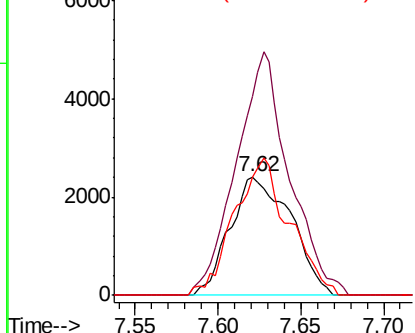
#31
Cyclohexane
Concen: 1.329 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064631.D
Acq: 13 Nov 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-598-600

Tot Ion: 56 Resp: 6174
Ion Ratio Lower Upper
56 100
69 168.0 25.6 38.4#
84 99.5 63.0 94.6#

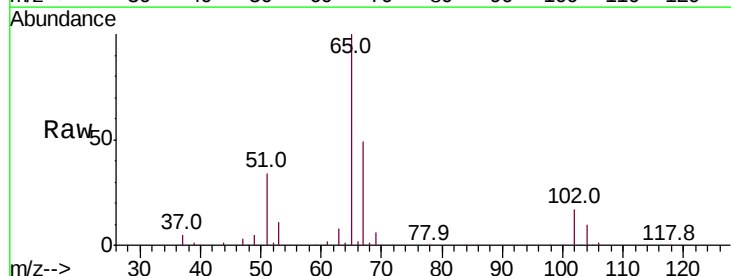


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

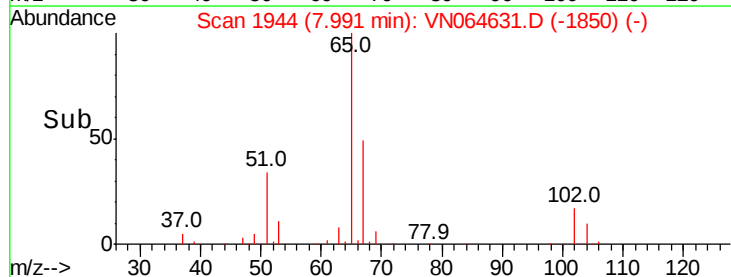
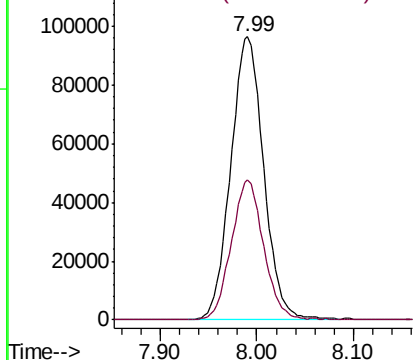


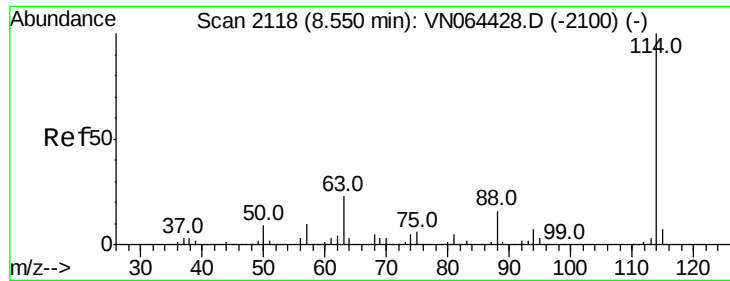
#33
1,2-Dichloroethane-d4
Concen: 59.681 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN064631.D
Acq: 13 Nov 2020 15:00

Tgt Ion: 65 Resp: 228131
Ion Ratio Lower Upper
65 100
67 48.3 0.0 101.6



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

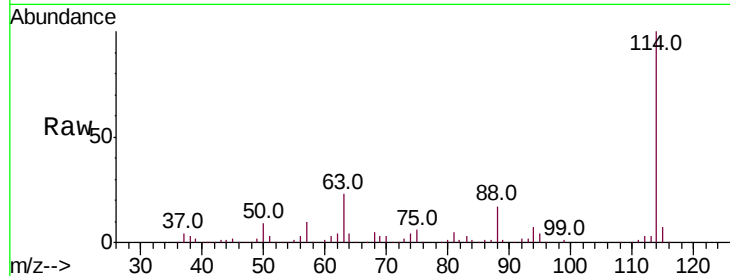




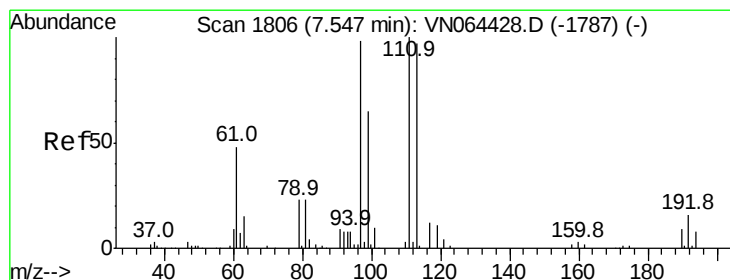
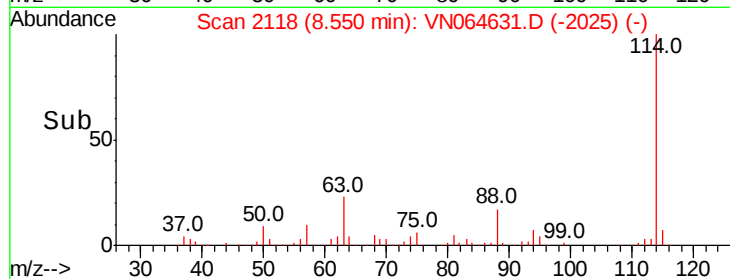
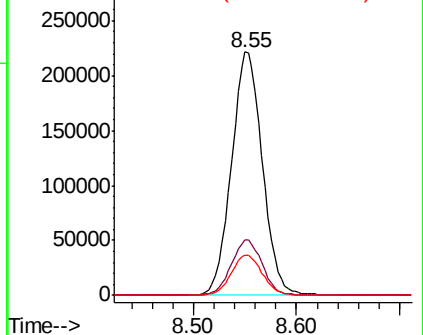
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN064631.D
Acq: 13 Nov 2020 15:00

Instrument :
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ClientSampleId :
BP-VPB178-GW-598-600

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	45.6
88	16.6	0.0	32.8

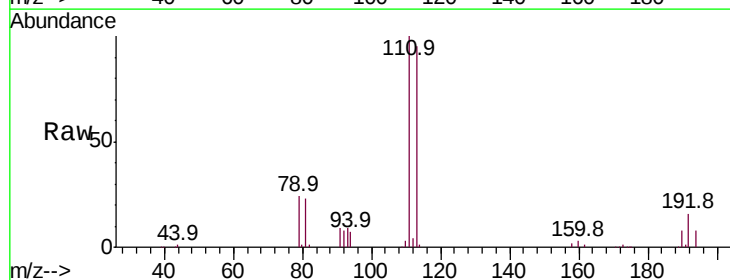


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

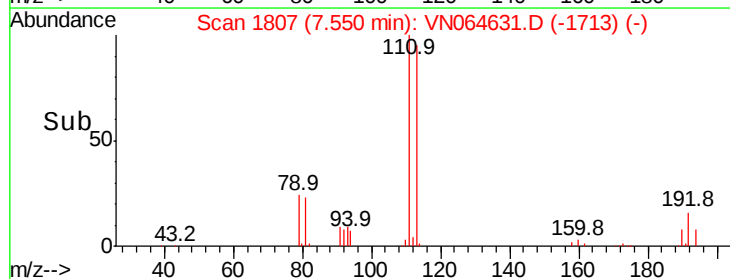
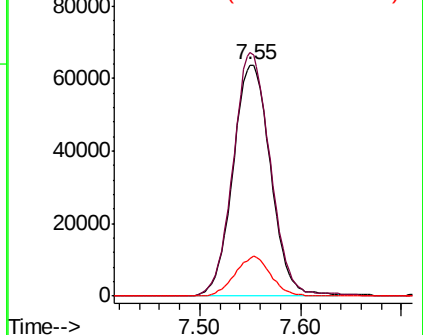


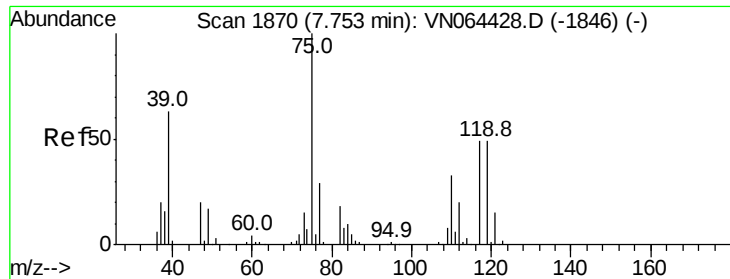
#35
Dibromofluoromethane
Concen: 52.382 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064631.D
Acq: 13 Nov 2020 15:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.1	121.7
192	16.2	12.8	19.2



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

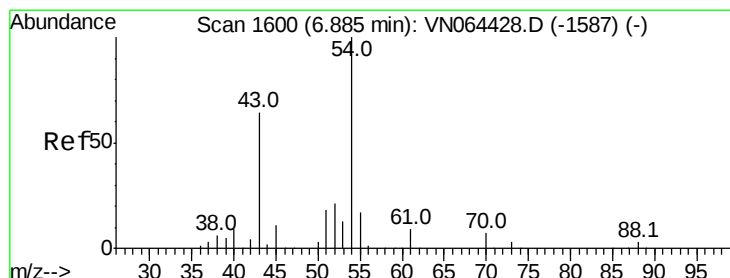
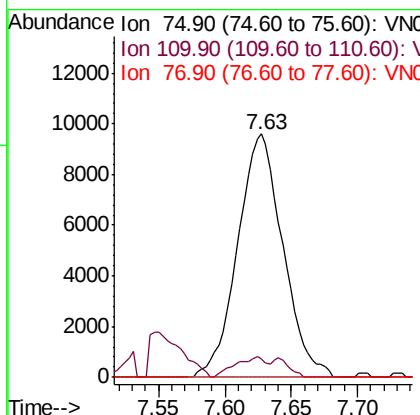
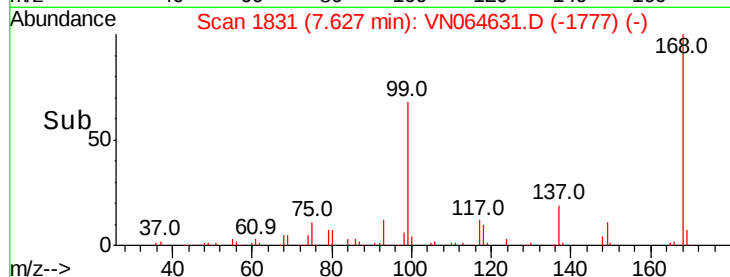
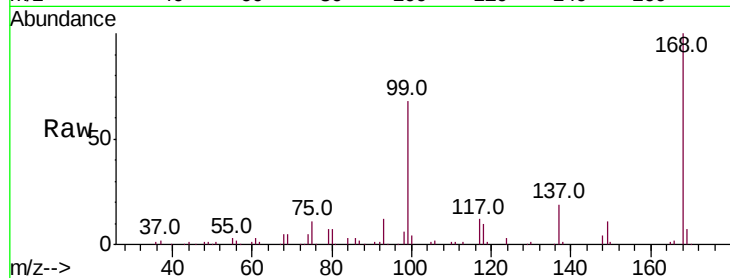




#36
 1,1-Dichloropropene
 Concen: 4.663 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064631.D
 Acq: 13 Nov 2020 15:00

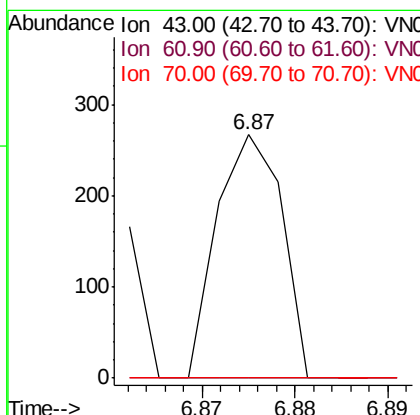
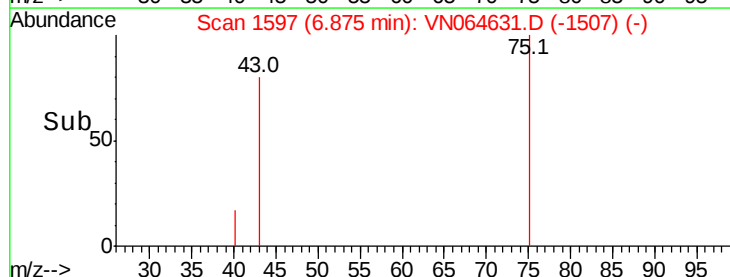
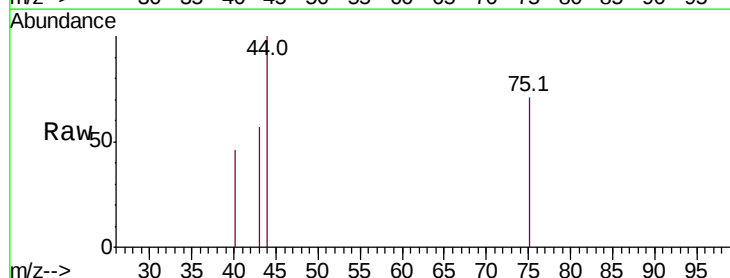
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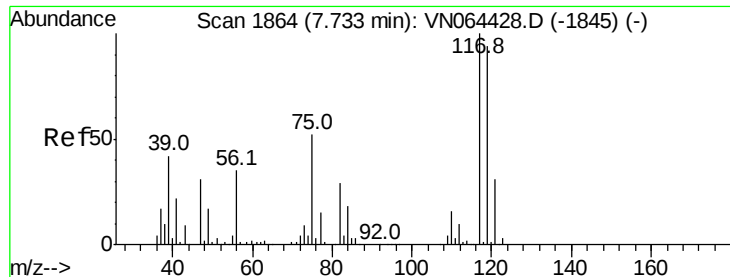
Tot Ion: 75 Resp: 22808
 Ion Ratio Lower Upper
 75 100
 110 6.0 16.0 48.0#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.788 ug/l
 RT: 6.87 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: VN064631.D
 Acq: 13 Nov 2020 15:00

Tgt Ion: 43 Resp: 131
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 4.922 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.10 min

Lab File: VN064631.D

Acq: 13 Nov 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-598-600

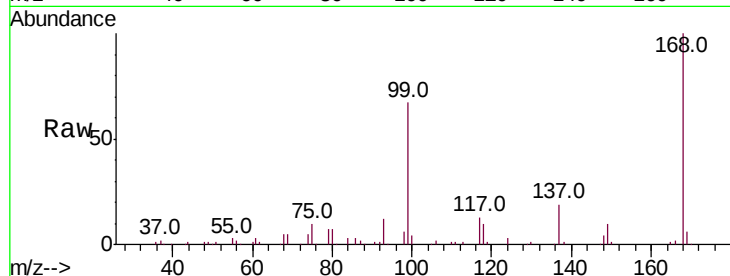
Tot Ion:117 Resp: 25730

Ion Ratio Lower Upper

117 100

119 4.3 75.5 113.3#

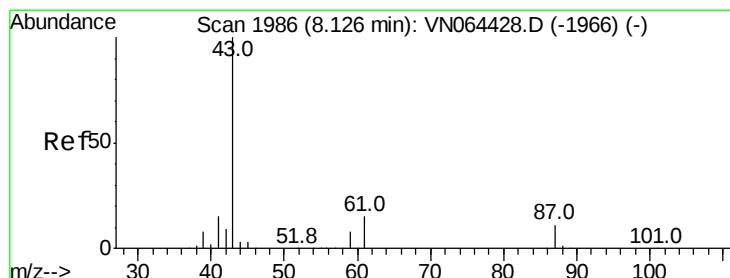
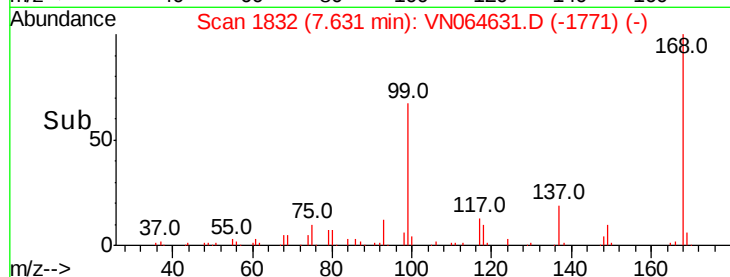
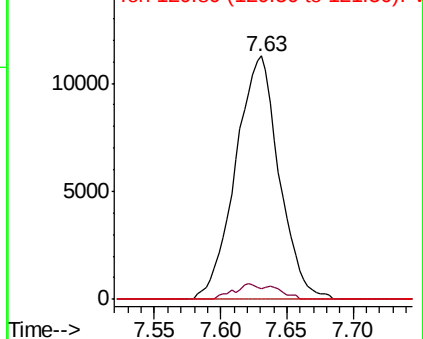
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.611 ug/l

RT: 8.21 min Scan# 2011

Delta R.T. 0.08 min

Lab File: VN064631.D

Acq: 13 Nov 2020 15:00

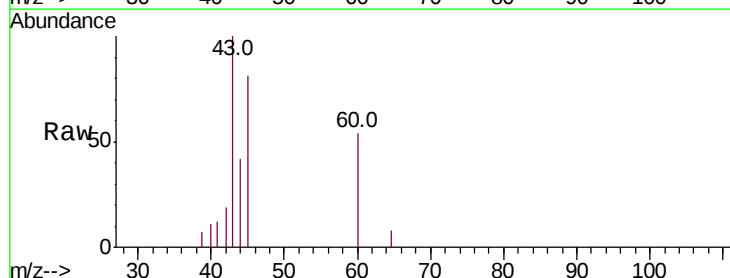
Tgt Ion: 43 Resp: 4844

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

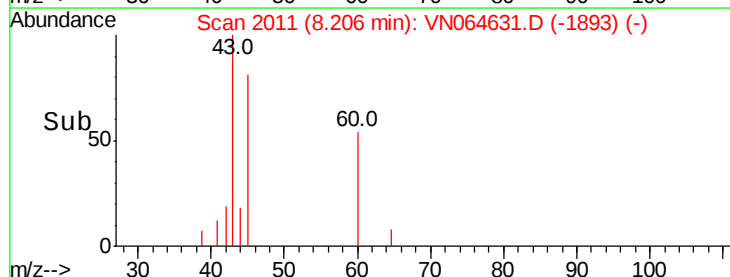
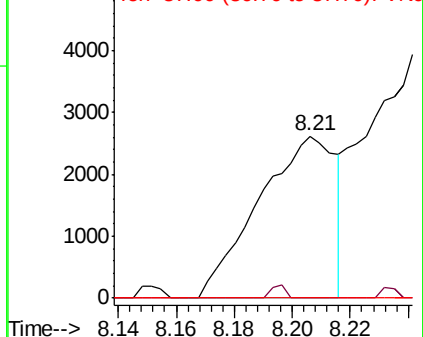
87 0.0 9.1 13.7#

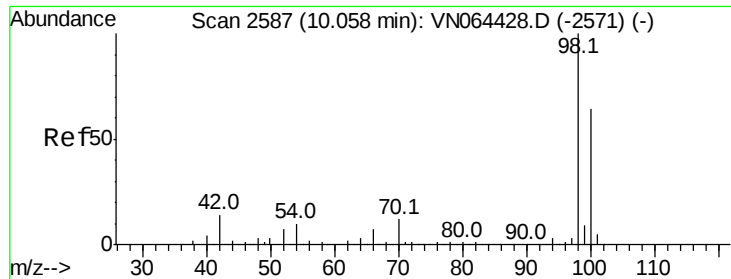


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 48.994 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064631.D

Acq: 13 Nov 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

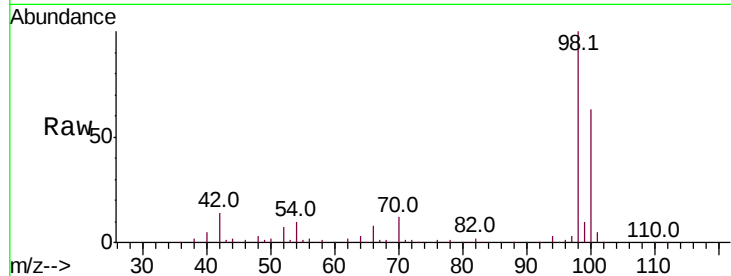
BP-VPB178-GW-598-600

Tot Ion: 98 Resp: 596921

Ion Ratio Lower Upper

98 100

100 61.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)

10.06

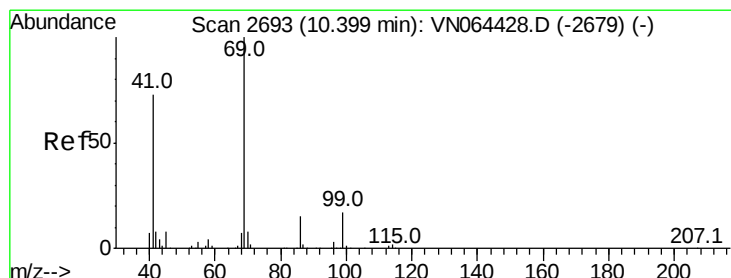
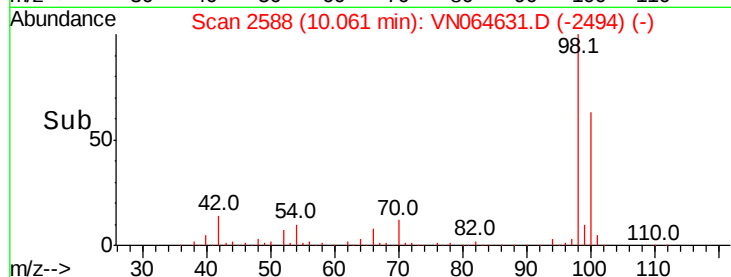
300000

200000

100000

0

Time-->



#56

Ethyl methacrylate

Concen: 1.852 ug/l

RT: 10.22 min Scan# 2636

Delta R.T. -0.18 min

Lab File: VN064631.D

Acq: 13 Nov 2020 15:00

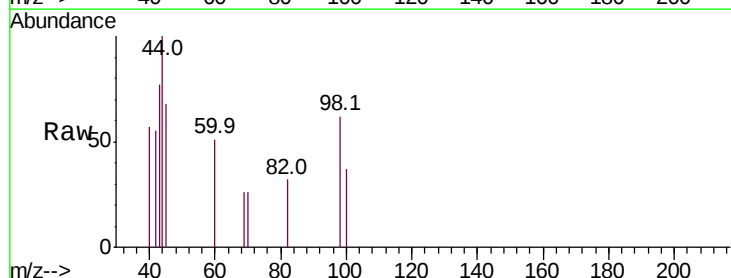
Tgt Ion: 69 Resp: 62

Ion Ratio Lower Upper

69 100

41 0.0 59.3 88.9#

39 337.1 35.4 53.0#



Abundance Ion 69.00 (68.70 to 69.70): VN064428.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN064428.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-2679) (-)

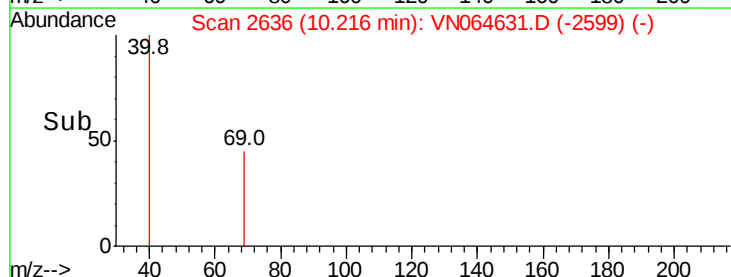
300

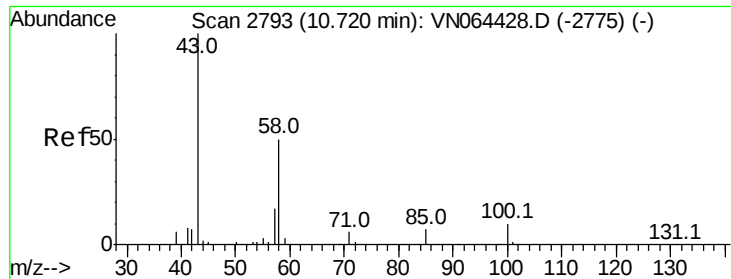
200

100

0

Time-->

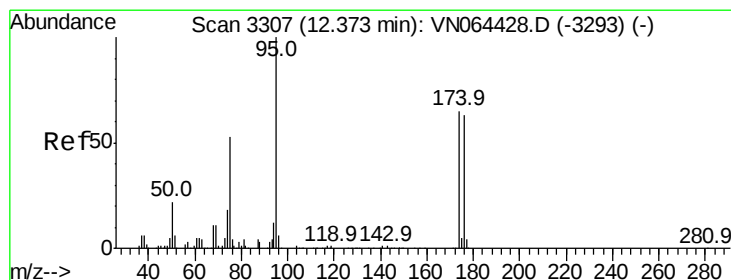
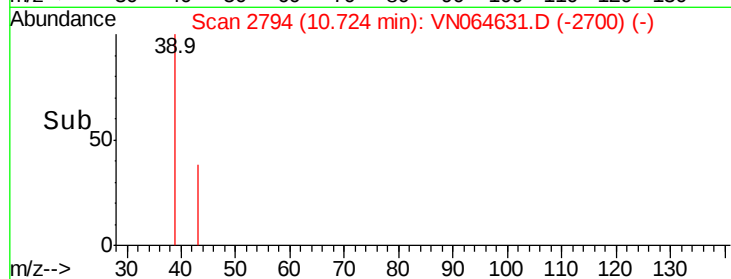
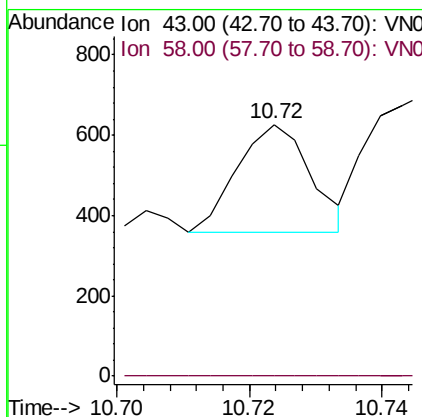
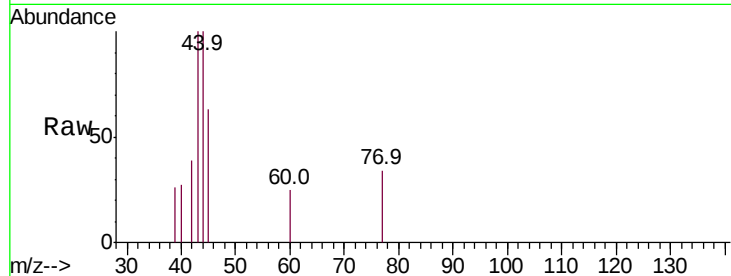




#59
2-Hexanone
Concen: 4.082 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064631.D
Acq: 13 Nov 2020 15:00

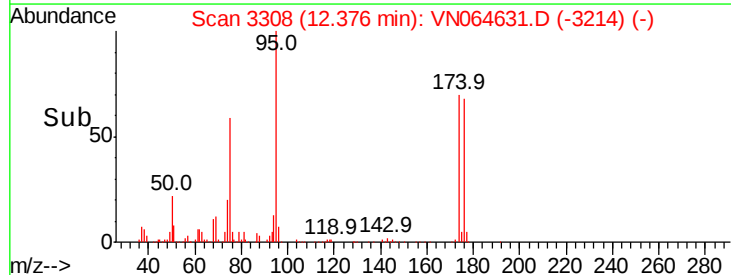
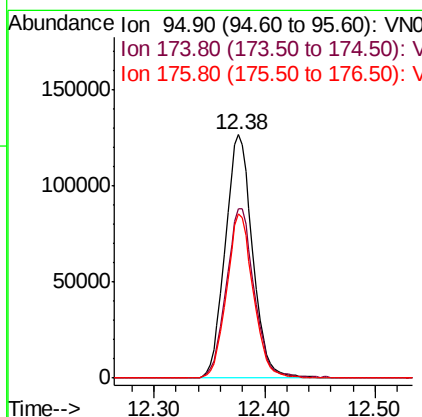
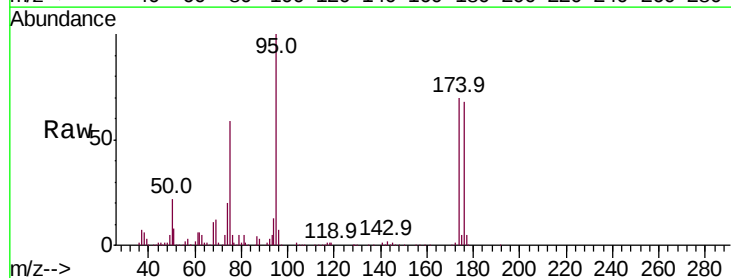
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-598-600

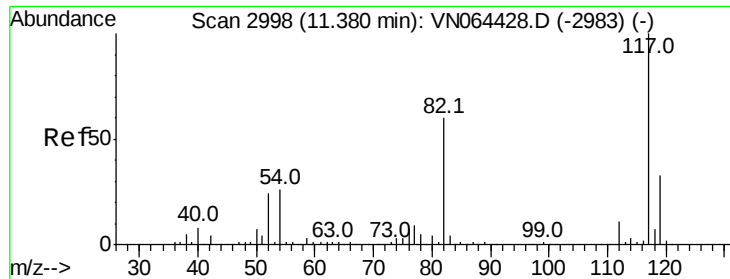
Tot Ion: 43 Resp: 208
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 47.276 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064631.D
Acq: 13 Nov 2020 15:00

Tgt Ion: 95 Resp: 217835
Ion Ratio Lower Upper
95 100
174 71.2 0.0 132.6
176 65.9 0.0 129.2

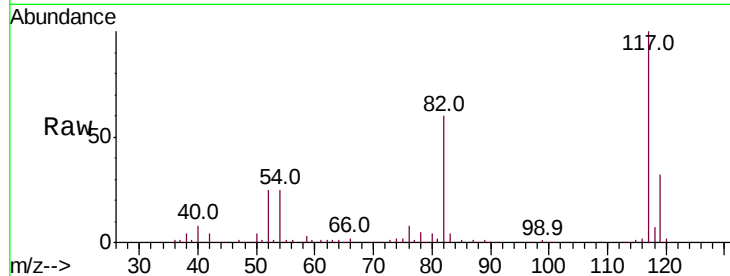




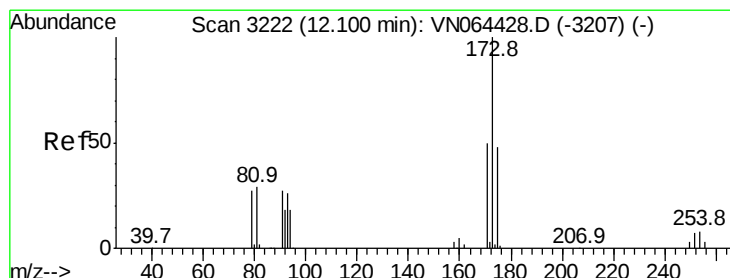
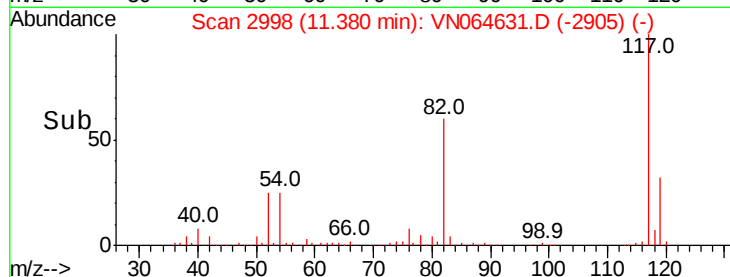
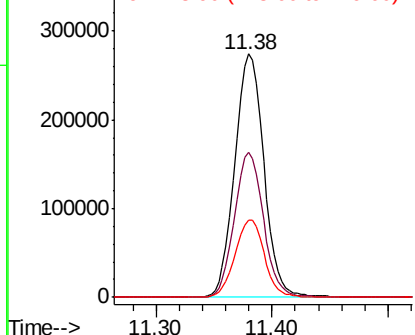
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064631.D
Acq: 13 Nov 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-598-600

Tot Ion:117 Resp: 477576
Ion Ratio Lower Upper
117 100
82 59.5 48.1 72.1
119 31.9 26.2 39.4

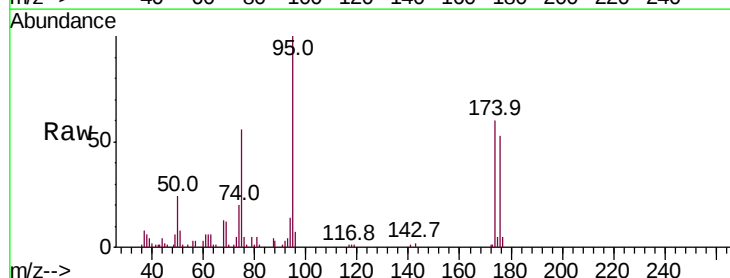


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

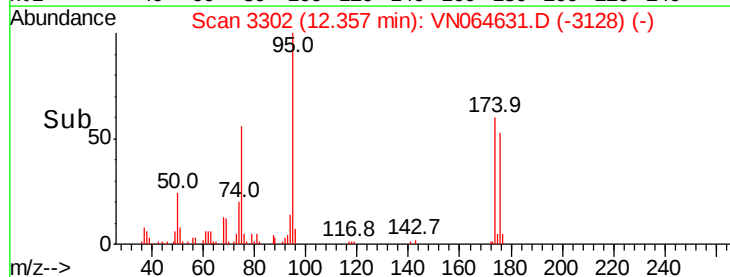
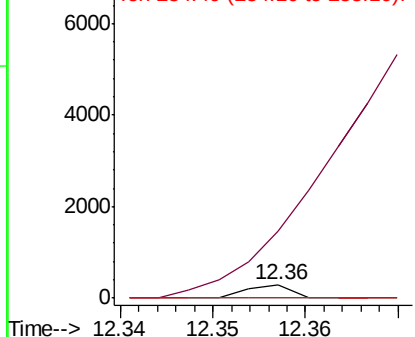


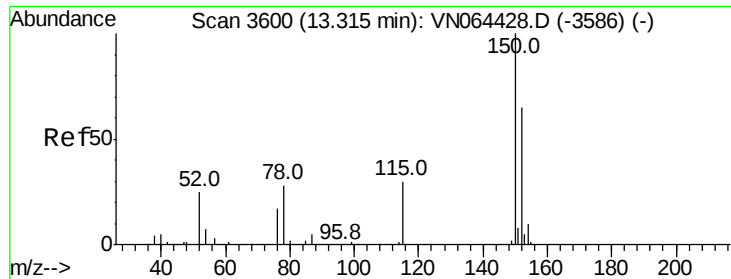
#71
Bromoform
Concen: 1.308 ug/l
RT: 12.36 min Scan# 3302
Delta R.T. 0.26 min
Lab File: VN064631.D
Acq: 13 Nov 2020 15:00

Tgt Ion:173 Resp: 99
Ion Ratio Lower Upper
173 100
175 9215.2 23.7 71.1#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064631.D

Acq: 13 Nov 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-598-600

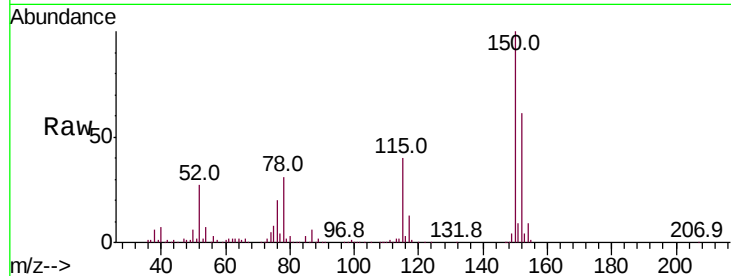
Tot Ion:152 Resp: 169175

Ion Ratio Lower Upper

152 100

115 65.3 32.0 96.0

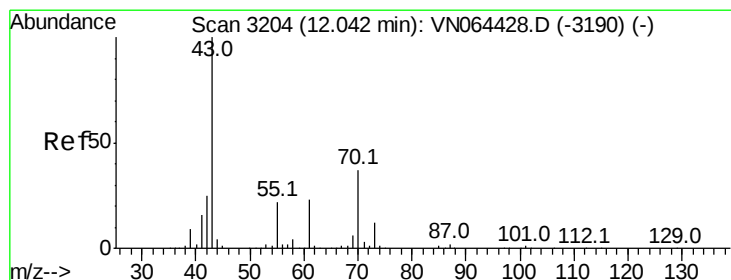
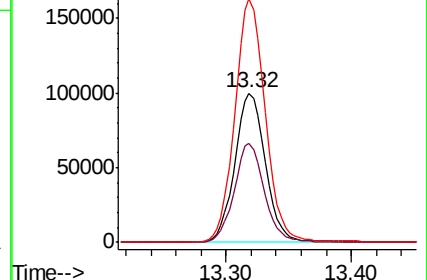
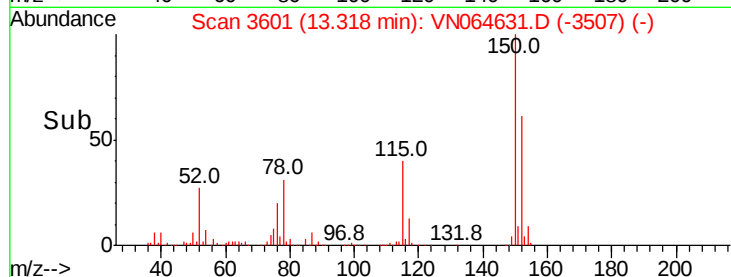
150 162.0 0.0 353.8



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



#74

N-ethyl acetate

Concen: 1.249 ug/l

RT: 12.05 min Scan# 3207

Delta R.T. 0.01 min

Lab File: VN064631.D

Acq: 13 Nov 2020 15:00

Tgt Ion: 43 Resp: 233

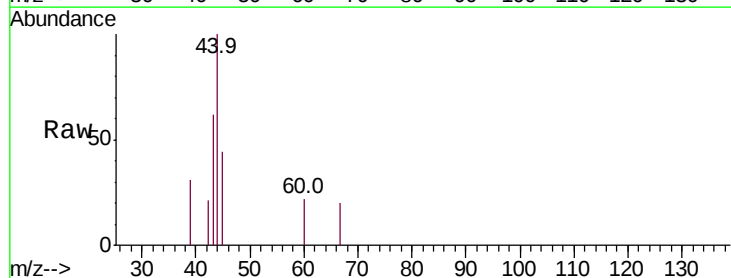
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

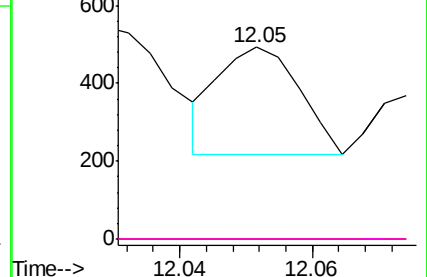
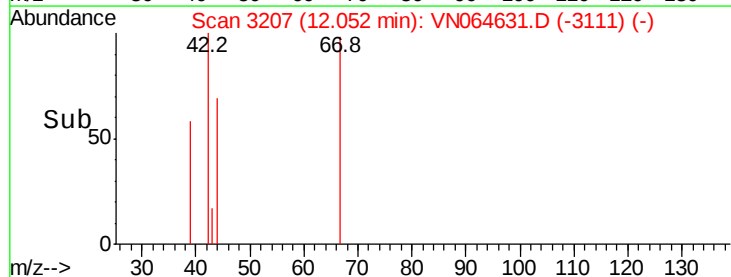


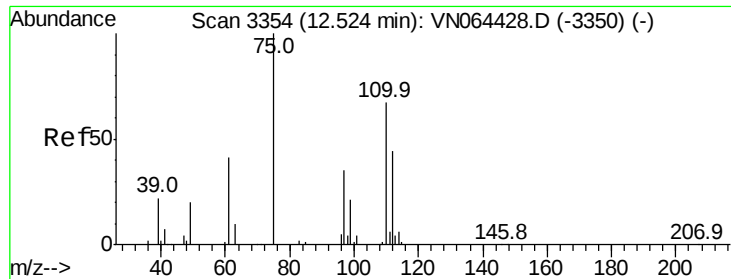
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 30.245 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064631.D

Acq: 13 Nov 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

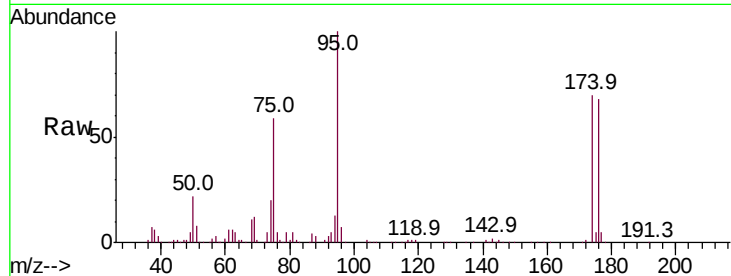
BP-VPB178-GW-598-600

Tot Ion: 75 Resp: 123973

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

80000

60000

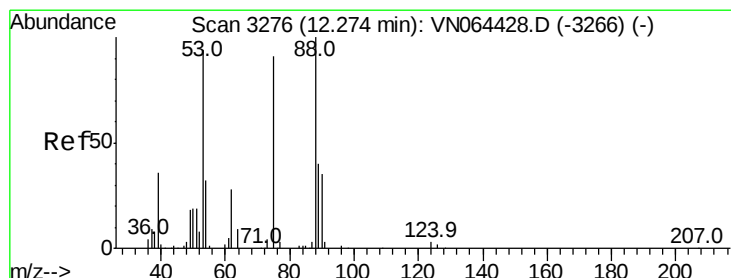
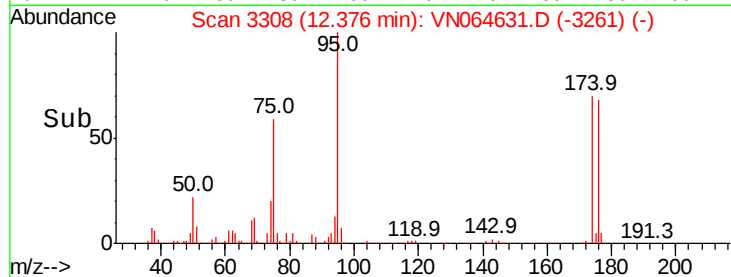
40000

20000

0

Time-->

12.30 12.40



#81

trans-1,4-Dichloro-2-butene

Concen: 84.447 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064631.D

Acq: 13 Nov 2020 15:00

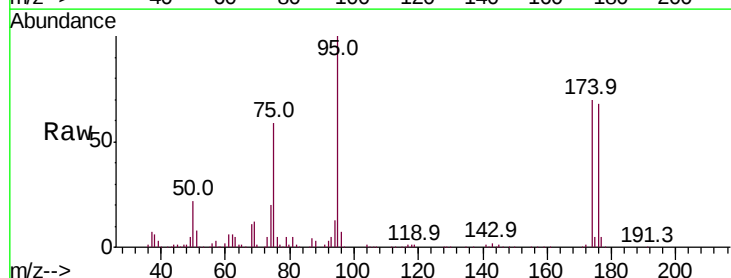
Tgt Ion: 75 Resp: 123973

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

100000

80000

60000

40000

20000

0

Time-->

12.30 12.40

