

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064530.D
 Acq On : 10 Nov 2020 17:00
 Operator : JC/MD
 Sample : L4684-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-478-480

Quant Time: Nov 11 01:51:05 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	237725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	486628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	500267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	190539	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	229424	55.41	ug/l	0.00
Spiked Amount			Recovery	=	110.82%	
35) Dibromofluoromethane	7.55	113	170220	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
50) Toluene-d8	10.06	98	619860	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	12.38	95	244009	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1110	0.295	ug/l	97
11) Tert butyl alcohol	4.75	59	12670	27.746	ug/l #	71
12) 1,1-Dichloroethene	3.70	96	21435	8.431	ug/l	93
13) Acrolein	3.58	56	104	0.367	ug/l #	15
14) Allyl chloride	4.35	41	2215	0.445	ug/l #	20
16) Acetone	3.78	43	19858	12.590	ug/l #	86
20) Methylene Chloride	4.51	84	3018	0.964	ug/l #	74
22) Diisopropyl ether	5.90	45	7174	0.680	ug/l #	84
24) 1,1-Dichloroethane	5.80	63	160629	27.688	ug/l	99
25) 2-Butanone	6.80	43	2051	1.021	ug/l	100
31) Cyclohexane	7.62	56	12029	2.390	ug/l #	38
32) 1,1,1-Trichloroethane	7.53	97	8548	1.580	ug/l	97
36) 1,1-Dichloropropene	7.63	75	22367	4.351	ug/l #	53
37) Ethyl Acetate	6.93	43	206	0.801	ug/l #	71
38) Carbon Tetrachloride	7.63	117	26741	4.867	ug/l #	19
40) Benzene	8.01	78	1788693	118.406	ug/l	100
42) 1,2-Dichloroethane	8.09	62	133890	21.962	ug/l	98
43) Isopropyl Acetate	8.11	43	4310	0.517	ug/l #	64
44) Trichloroethene	8.80	130	12701	3.332	ug/l	99
49) 1,4-Dioxane	9.17	88	1195	21.581	ug/l #	74
52) Toluene	10.13	92	8305	0.901	ug/l	89
55) 1,1,2-Trichloroethane	10.52	97	951	0.265	ug/l #	65
56) Ethyl methacrylate	10.50	69	31	1.846	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.40	63	30	21.548	ug/l #	51
59) 2-Hexanone	10.74	43	96	4.052	ug/l #	28
60) Dibromochloromethane	10.60	129	3583	0.891	ug/l #	10
64) Tetrachloroethene	10.60	164	3540	0.919	ug/l	88
68) m/p-Xylenes	11.59	106	2621	0.370	ug/l	92
69) o-Xylene	11.92	106	49859	7.293	ug/l	99
70) Styrene	11.92	104	4286	0.373	ug/l #	1
71) Bromoform	12.36	173	125	1.315	ug/l #	1
73) Isopropylbenzene	12.23	105	39462	2.606	ug/l	95
74) N-amyl acetate	12.06	43	340	1.260	ug/l #	51
76) 1,2,3-Trichloropropane	12.38	75	135025	29.248	ug/l #	100

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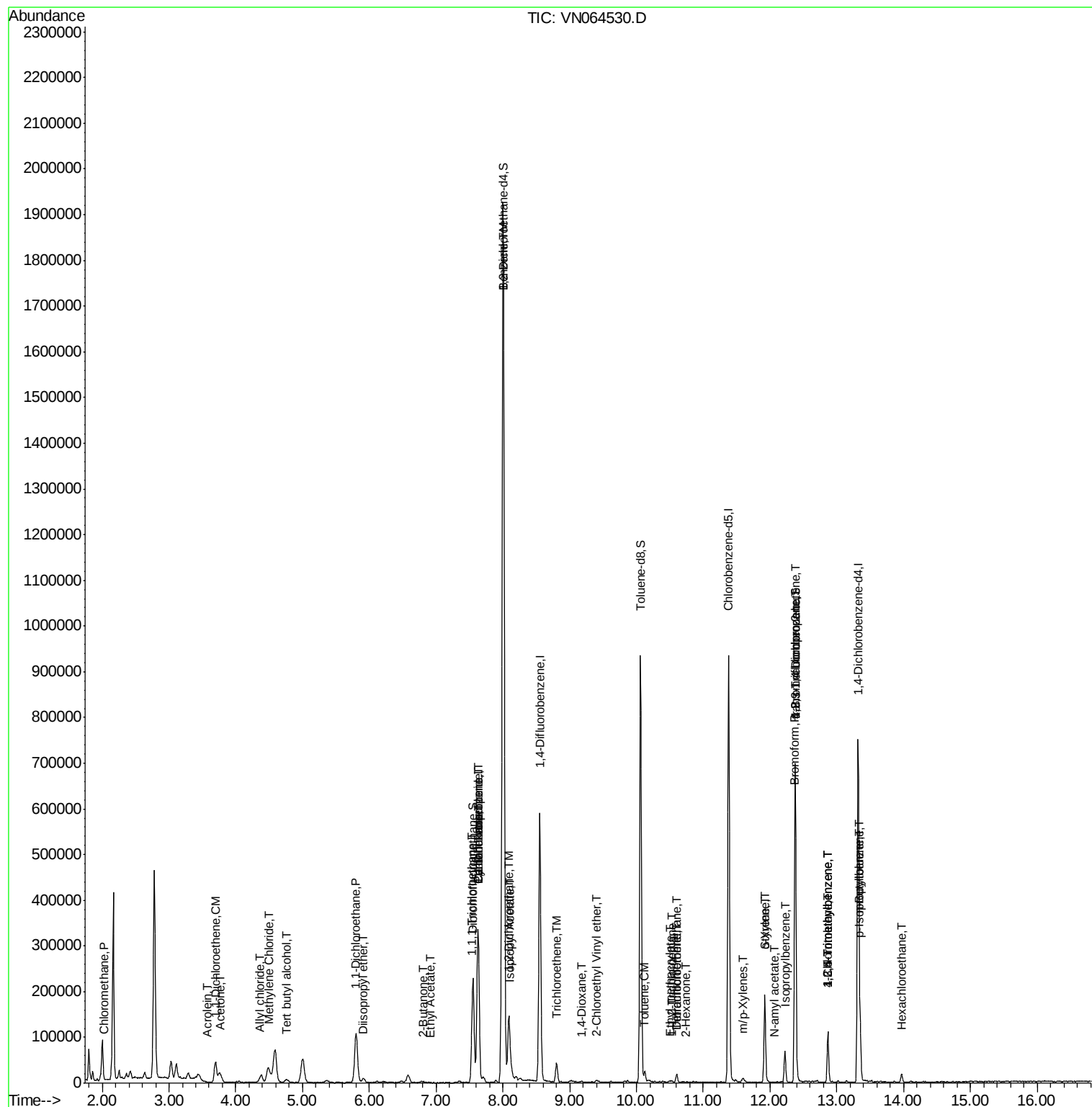
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.86	105	65740	5.262	ug/l	72
81) trans-1,4-Dichloro-2-buten	12.38	75	135025	81.663	ug/l #	8
82) 4-Chlorotoluene	12.86	91	9889	0.862	ug/l #	44
84) 1,2,4-Trimethylbenzene	12.86	105	65740	5.234	ug/l	76
86) p-Isopropyltoluene	13.35	119	6911	0.622	ug/l #	1
89) n-Butylbenzene	13.35	91	8467	0.886	ug/l #	47
90) Hexachloroethane	13.97	117	8210	3.829	ug/l #	18

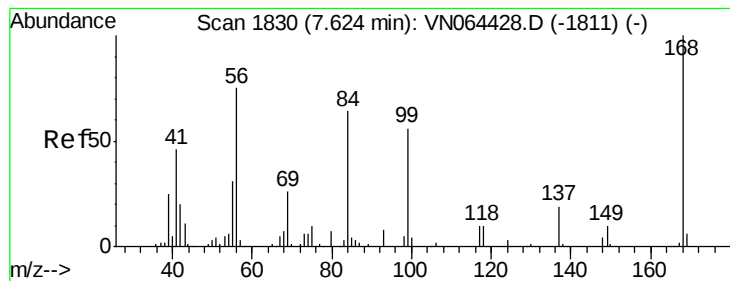
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

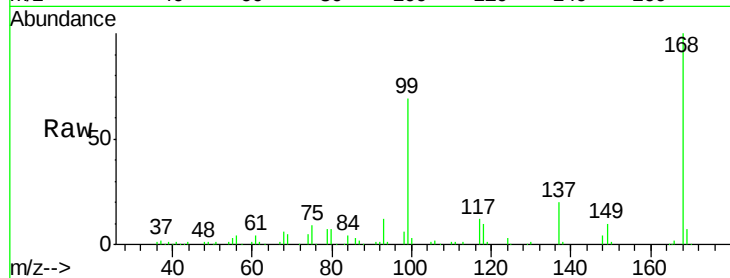
BP-VPB178-GW-478-480

Tot Ion:168 Resp: 237725

Ion Ratio Lower Upper

168 100

99 69.0 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

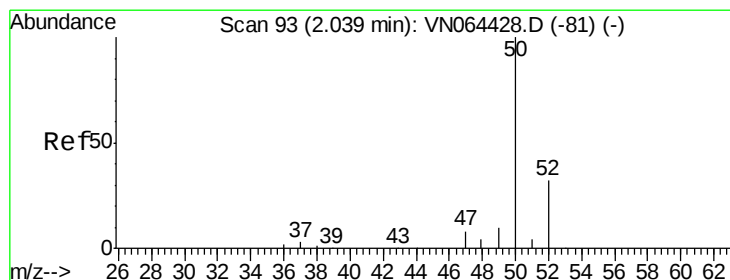
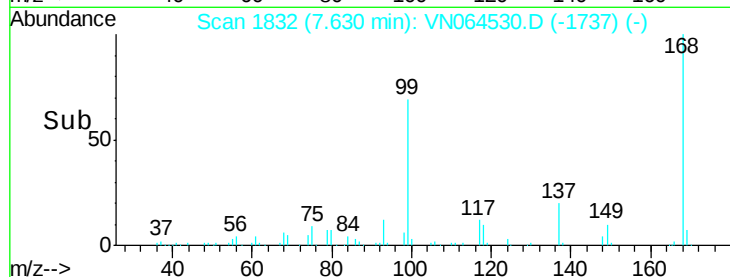
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.295 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064530.D

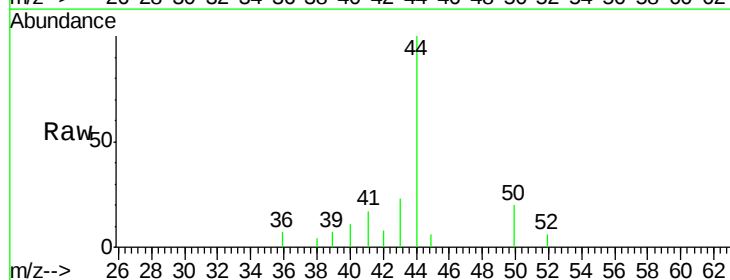
Acq: 10 Nov 2020 17:00

Tgt Ion: 50 Resp: 1110

Ion Ratio Lower Upper

50 100

52 33.1 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

800

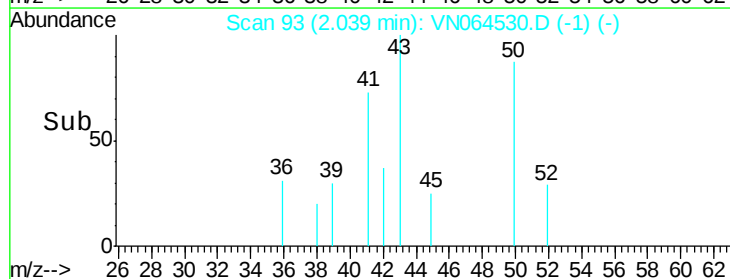
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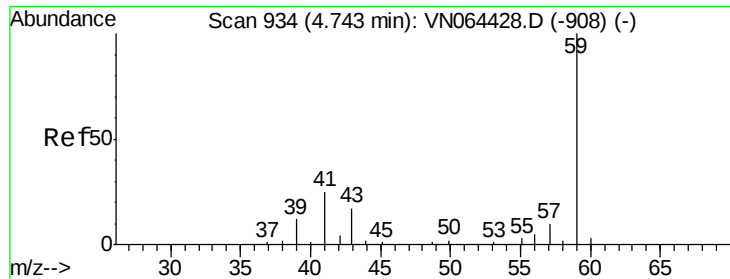
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200

0

Time-->

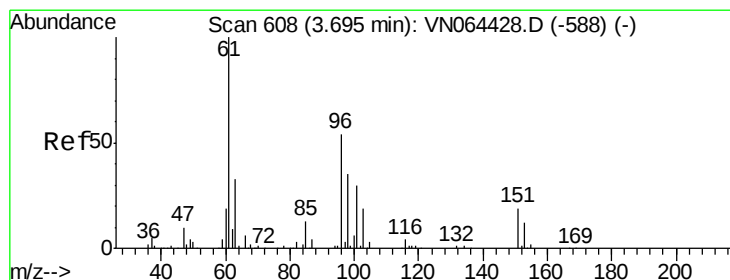
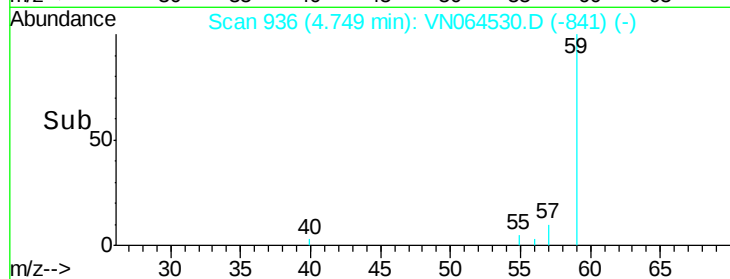
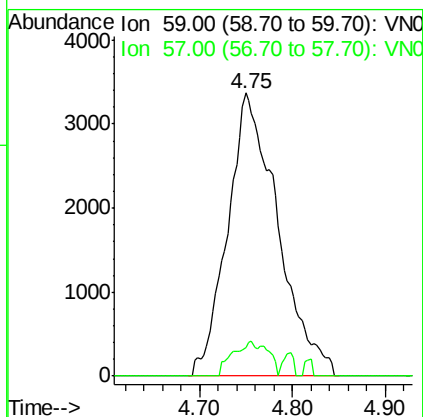
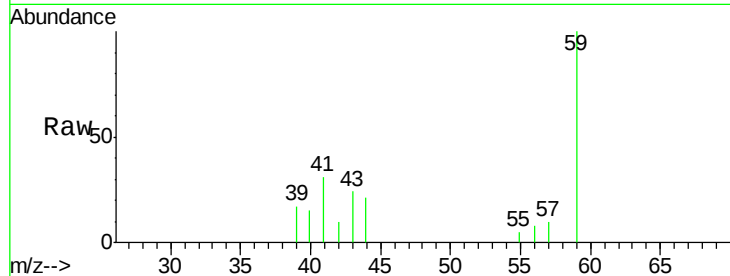




#11
Tert butyl alcohol
Concen: 27.746 ug/l
RT: 4.75 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

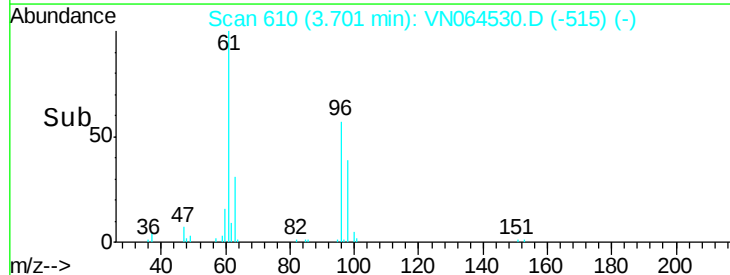
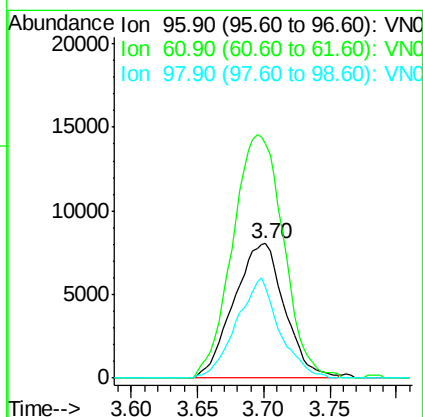
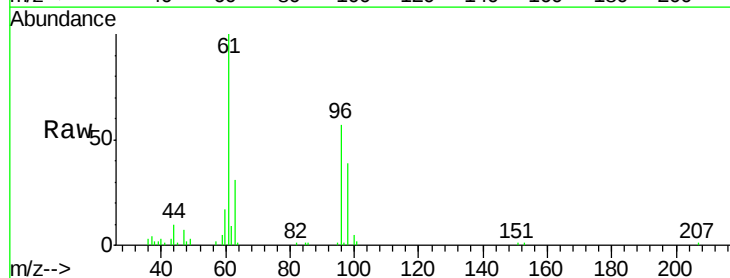
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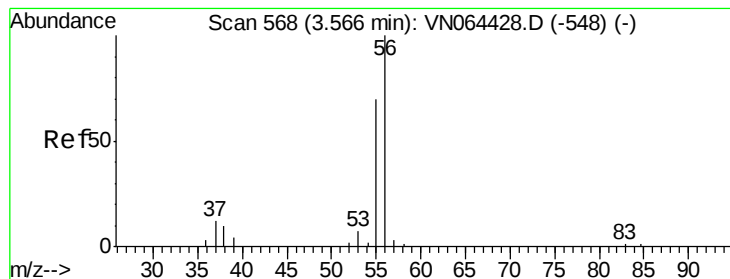
Tot Ion: 59 Resp: 12670
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#12
1,1-Dichloroethene
Concen: 8.431 ug/l
RT: 3.70 min Scan# 610
Delta R.T. 0.01 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Tgt Ion: 96 Resp: 21435
Ion Ratio Lower Upper
96 100
61 174.8 149.5 224.3
98 67.5 52.4 78.6





#13

Acrolein

Concen: 0.367 ug/l

RT: 3.58 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

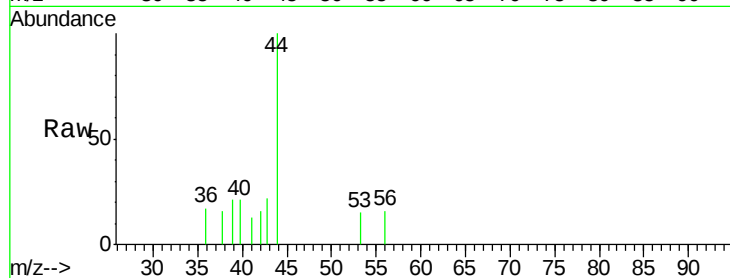
BP-VPB178-GW-478-480

Tot Ion: 56 Resp: 104

Ion Ratio Lower Upper

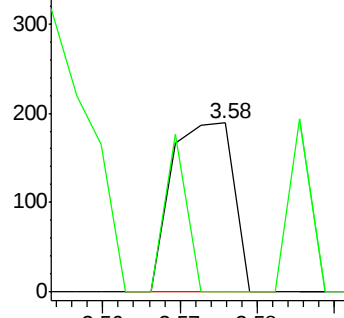
56 100

55 0.0 55.9 83.9#

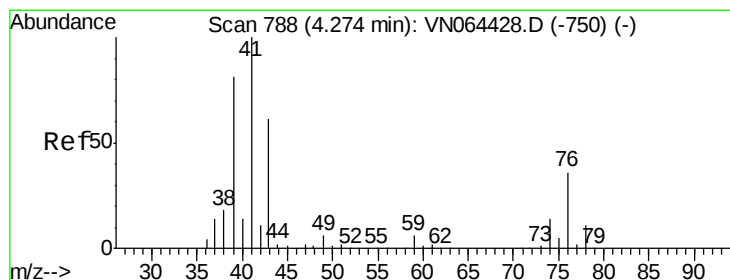
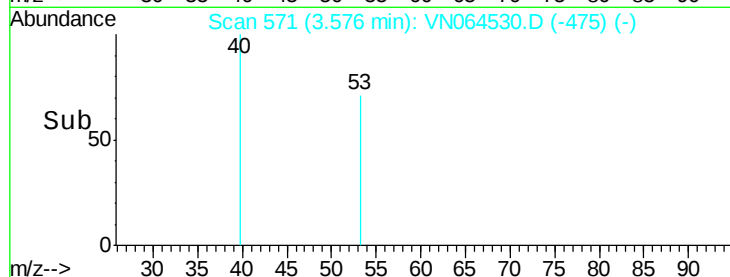


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 0.445 ug/l

RT: 4.35 min Scan# 812

Delta R.T. 0.08 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

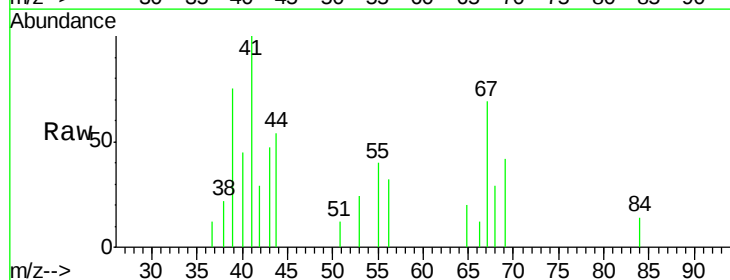
Tgt Ion: 41 Resp: 2215

Ion Ratio Lower Upper

41 100

39 0.0 61.8 92.8#

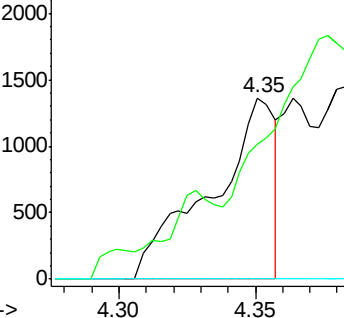
76 0.0 25.4 38.0#



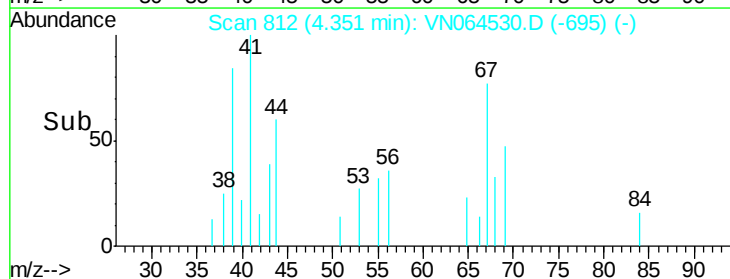
Abundance Ion 41.00 (40.70 to 41.70): VN0

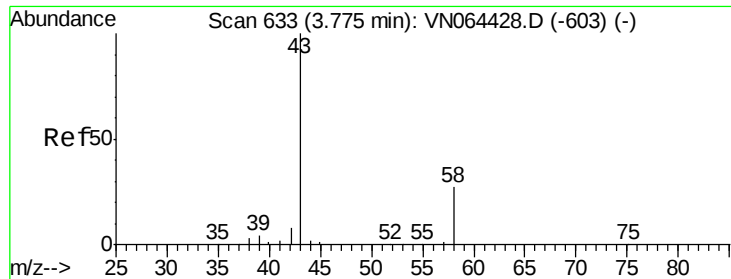
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->

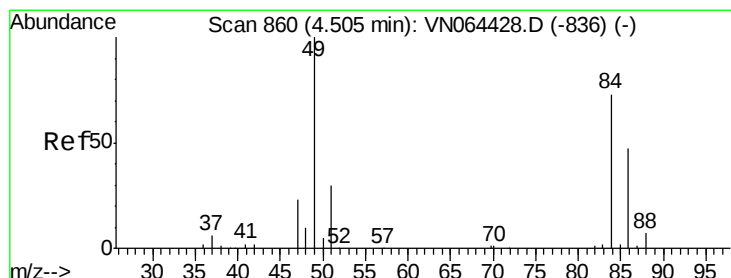
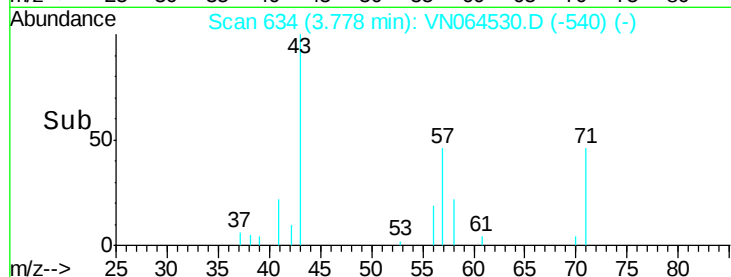
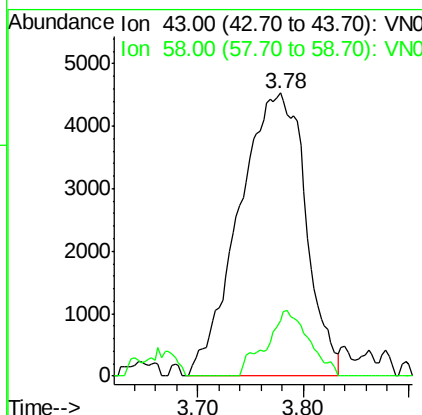
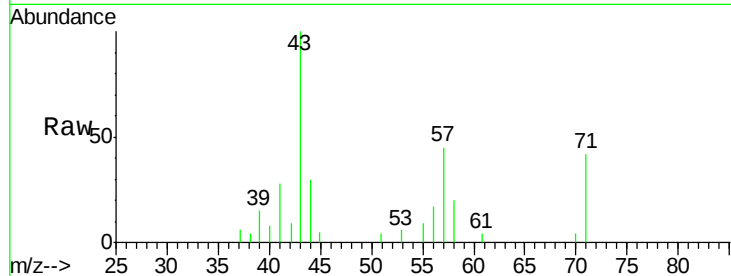




#16
Acetone
Concen: 12.590 ug/l
RT: 3.78 min Scan# 634
Delta R.T. 0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

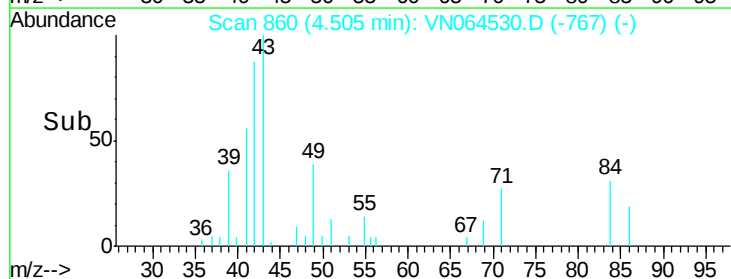
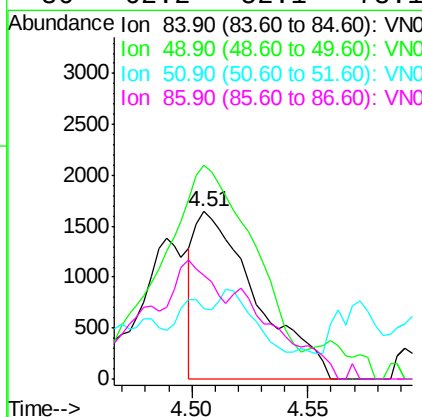
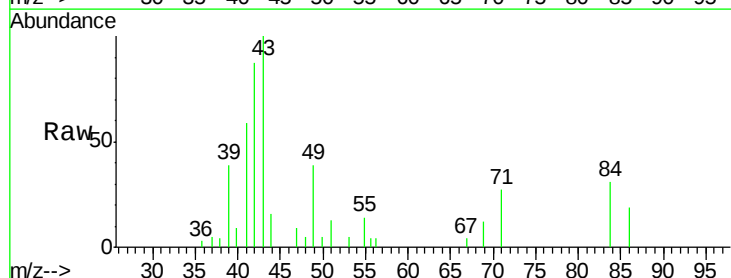
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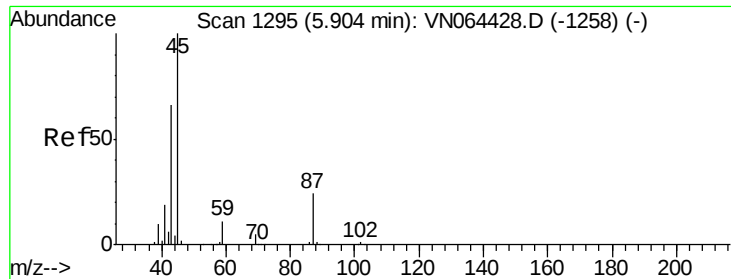
Tot Ion: 43 Resp: 19858
Ion Ratio Lower Upper
43 100
58 19.7 21.4 32.0#



#20
Methylene Chloride
Concen: 0.964 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Tgt Ion: 84 Resp: 3018
Ion Ratio Lower Upper
84 100
49 107.5 110.1 165.1#
51 1.2 33.6 50.4#
86 62.2 52.1 78.1

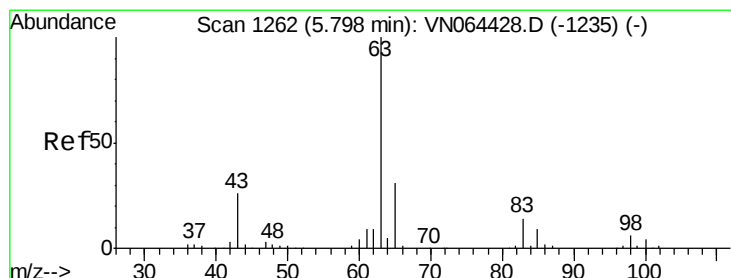
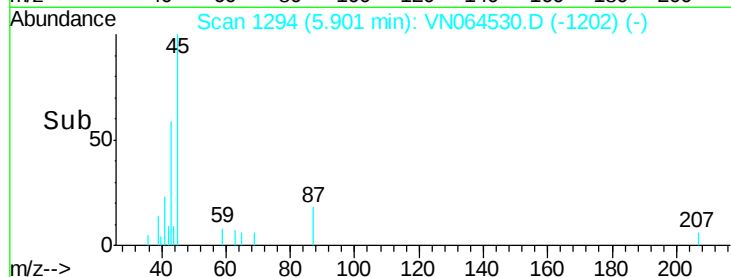
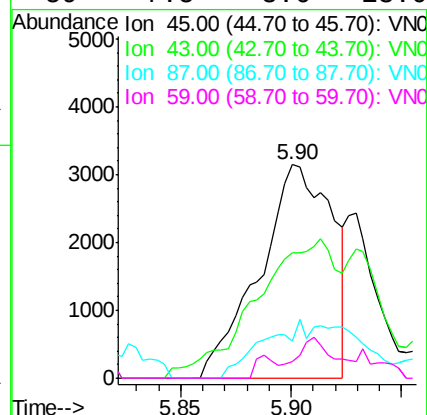
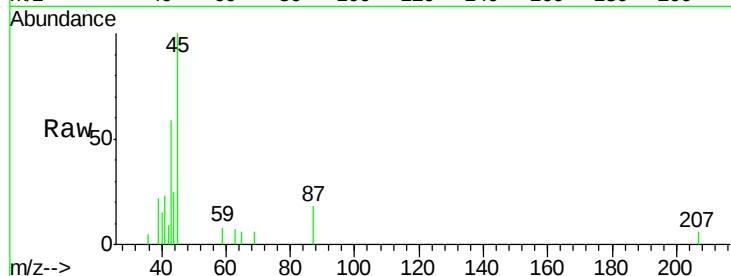




#22
Diisopropyl ether
Concen: 0.680 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

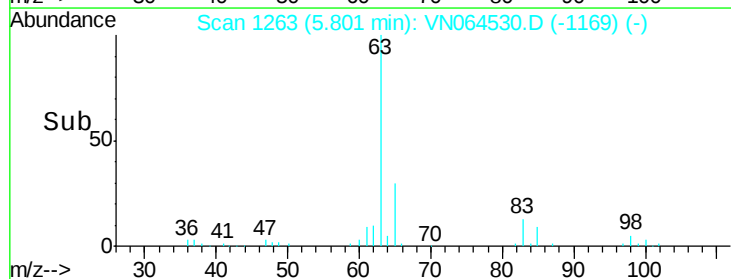
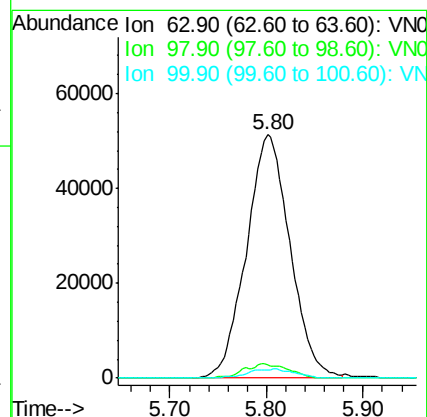
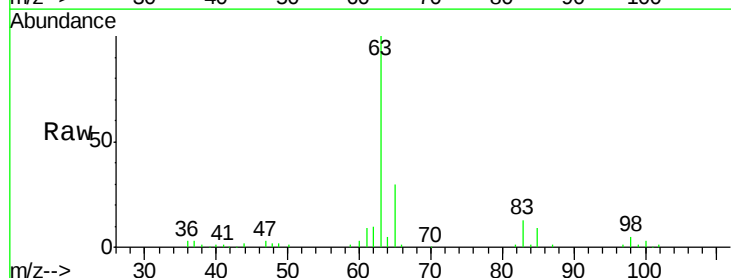
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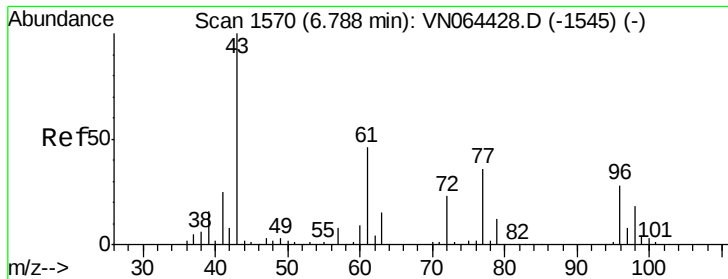
Tot Ion:	45	Resp:	7174
Ion	Ratio	Lower	Upper
45	100		
43	52.1	53.2	79.8#
87	17.5	19.9	29.9#
59	7.5	8.6	13.0#



#24
1,1-Dichloroethane
Concen: 27.688 ug/l
RT: 5.80 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Tgt Ion:	63	Resp:	160629
Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.0	9.2
100	3.2	1.8	5.3

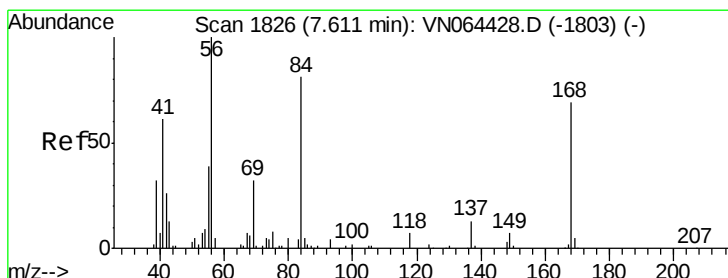
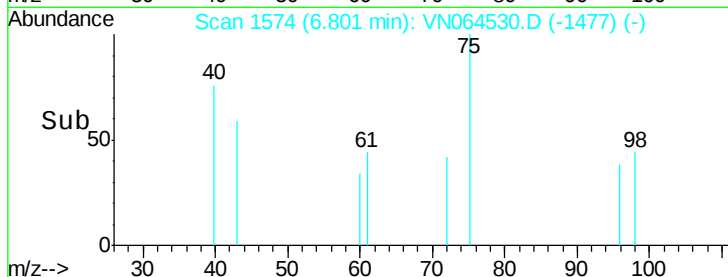
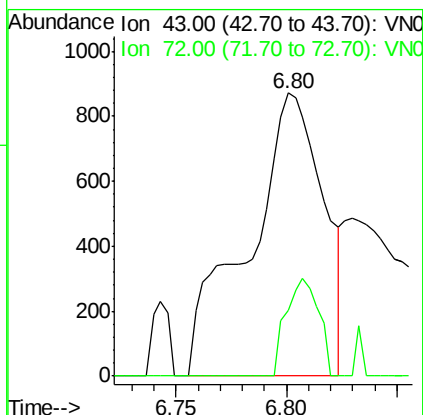
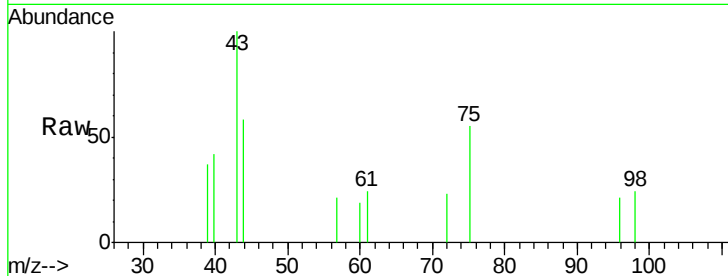




#25
2-Butanone
Concen: 1.021 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

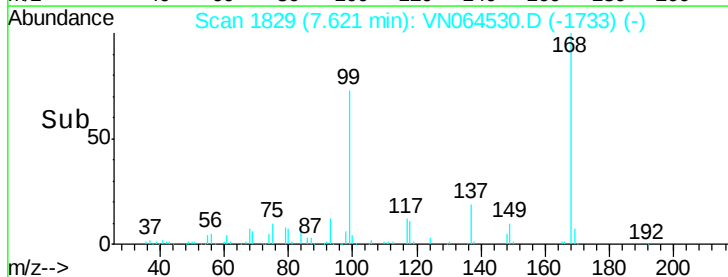
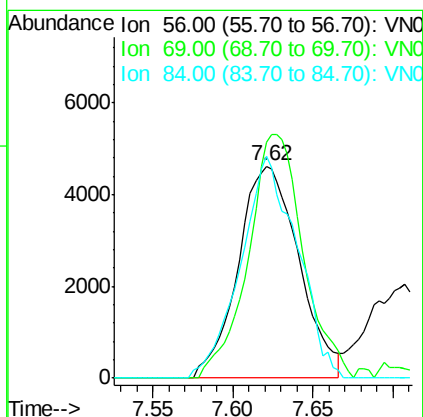
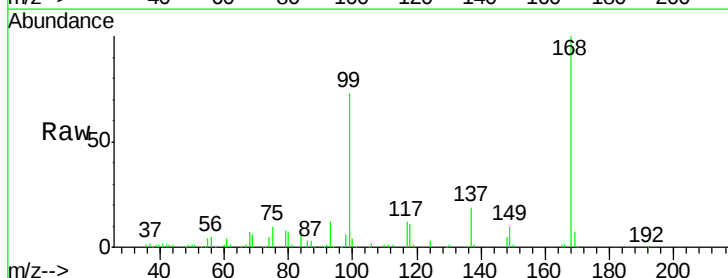
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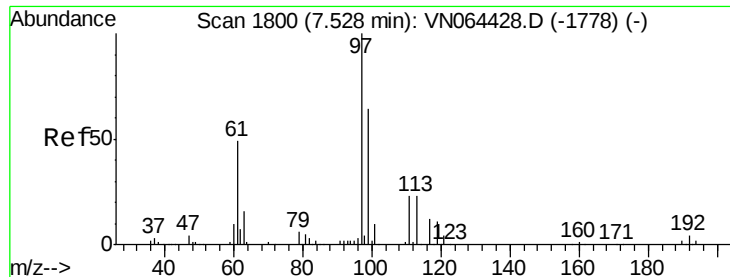
Tot Ion: 43 Resp: 2051
Ion Ratio Lower Upper
43 100
72 23.1 18.5 27.7



#31
Cyclohexane
Concen: 2.390 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Tgt Ion: 56 Resp: 12029
Ion Ratio Lower Upper
56 100
69 111.6 25.6 38.4#
84 105.0 63.0 94.6#





#32

1,1,1-Trichloroethane

Concen: 1.580 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-478-480

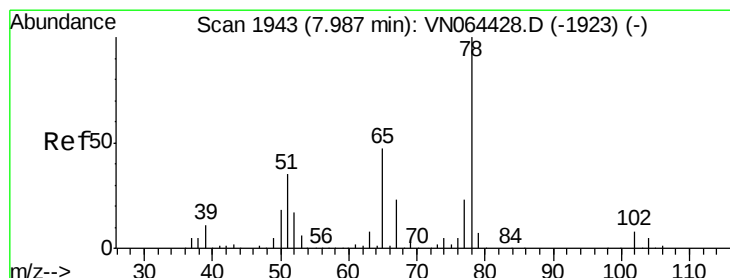
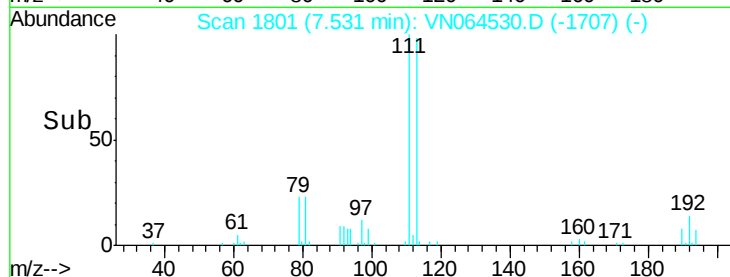
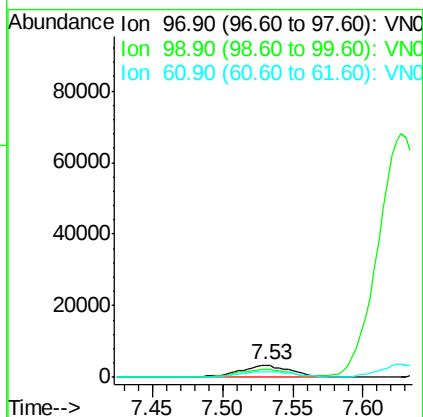
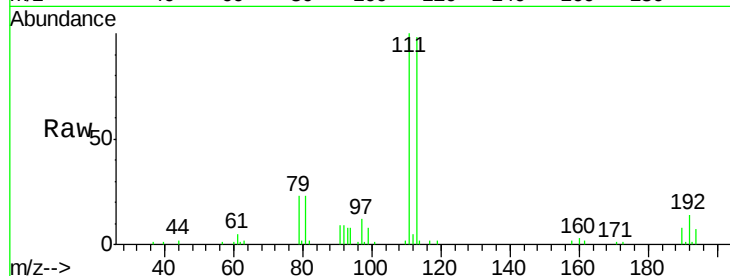
Tot Ion: 97 Resp: 8548

Ion Ratio Lower Upper

97 100

99 66.9 51.3 76.9

61 51.1 39.1 58.7



#33

1,2-Dichloroethane-d4

Concen: 55.406 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064530.D

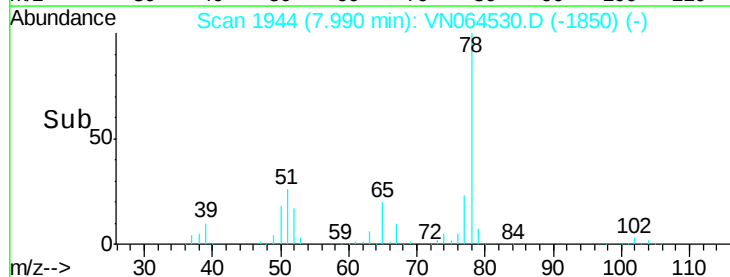
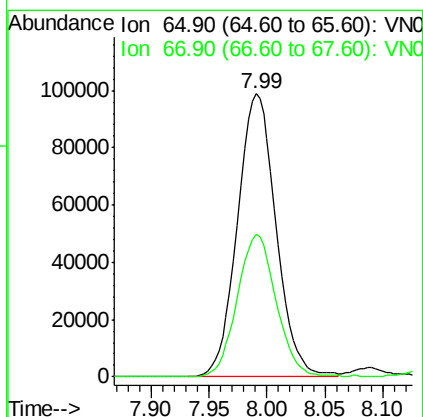
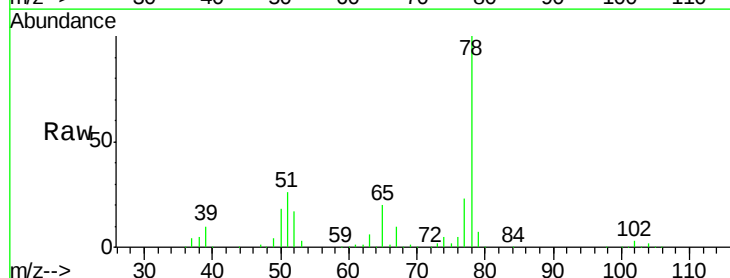
Acq: 10 Nov 2020 17:00

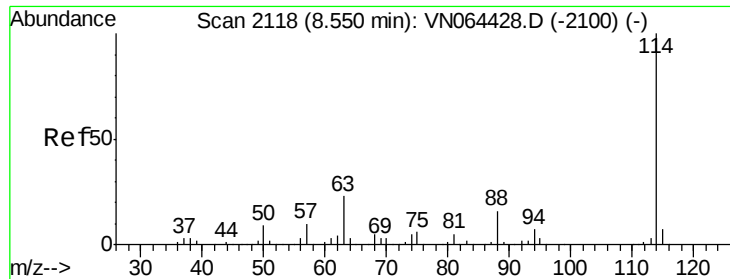
Tgt Ion: 65 Resp: 229424

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.6

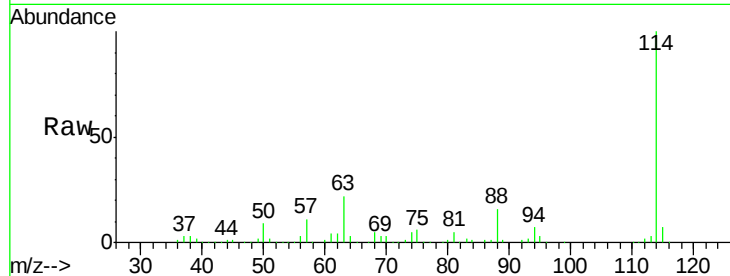




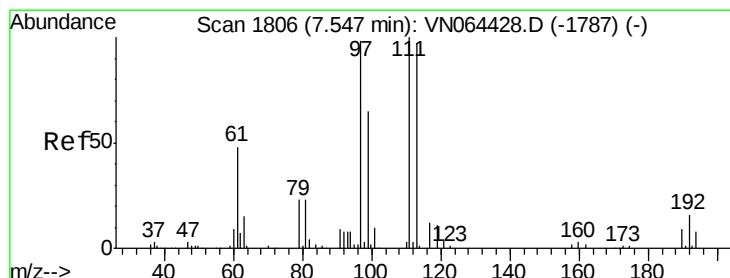
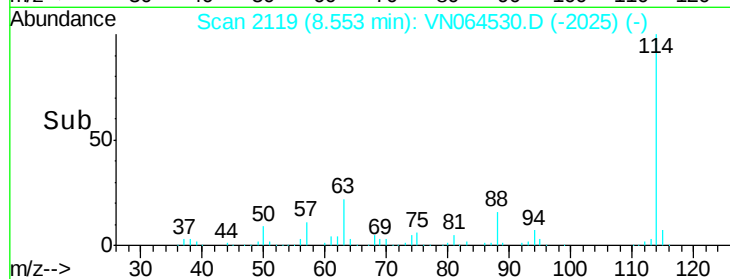
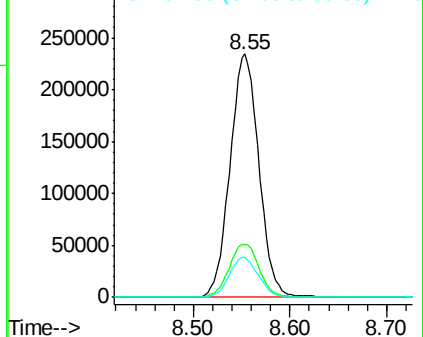
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-478-480

Tot Ion:114 Resp: 486628
Ion Ratio Lower Upper
114 100
63 21.9 0.0 45.6
88 16.2 0.0 32.8

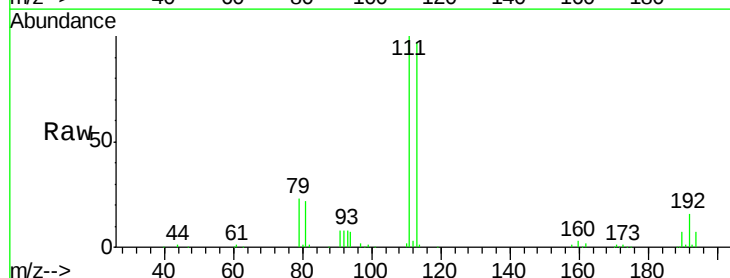


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

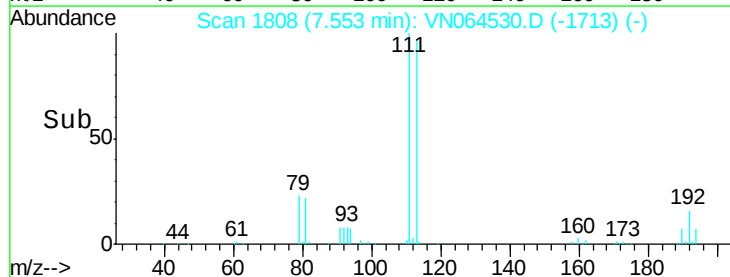
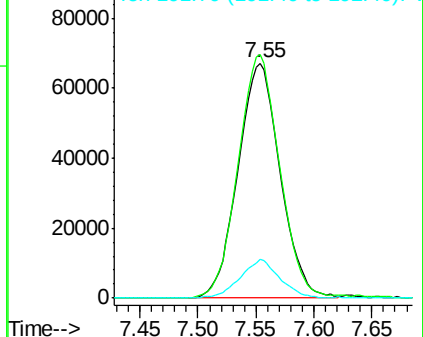


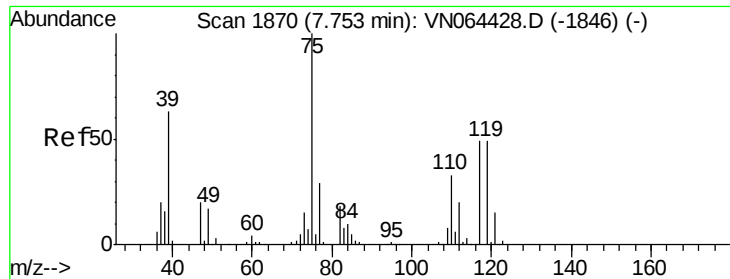
#35
Dibromofluoromethane
Concen: 51.375 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Tgt Ion:113 Resp: 170220
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 15.5 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

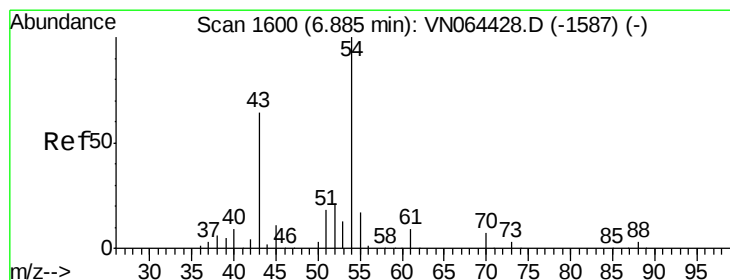
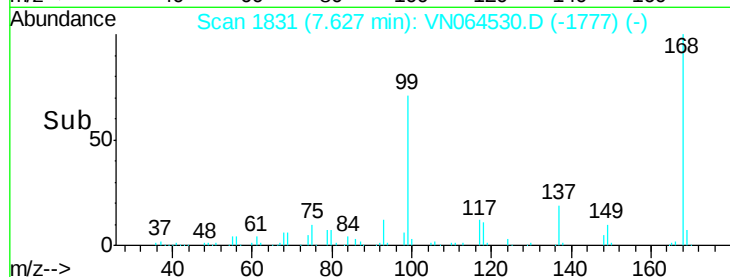
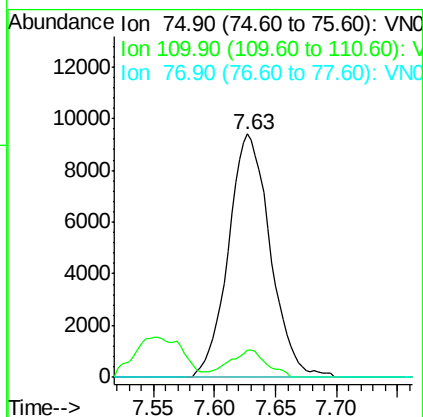
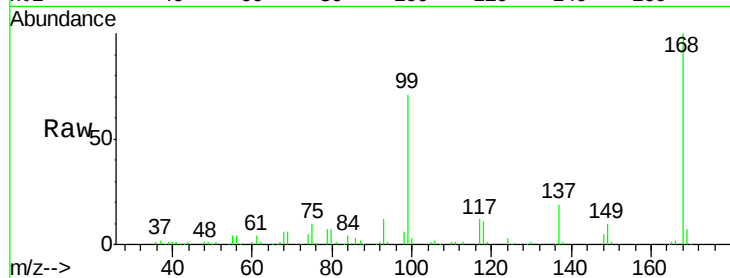




#36
 1,1-Dichloropropene
 Concen: 4.351 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064530.D
 Acq: 10 Nov 2020 17:00

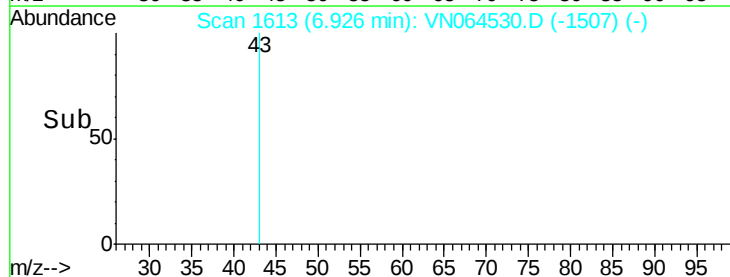
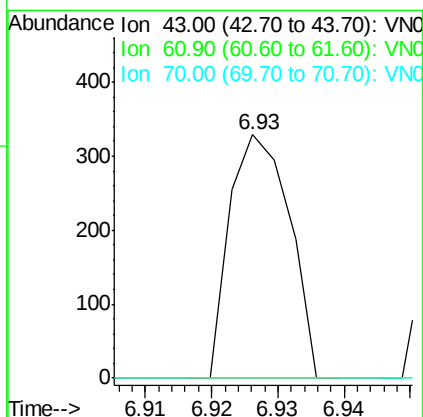
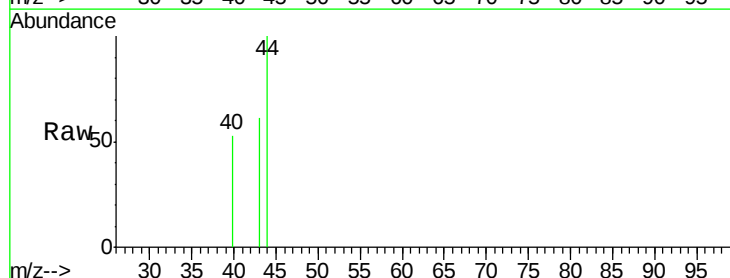
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-478-480

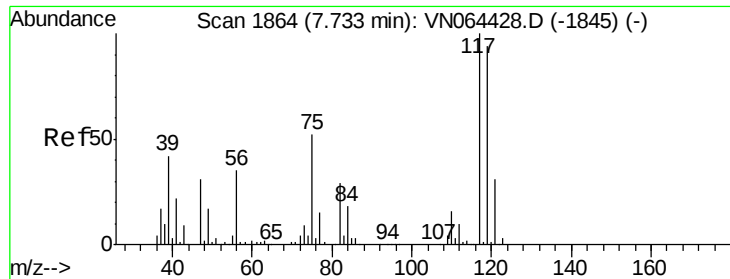
Tot Ion: 75 Resp: 22367
 Ion Ratio Lower Upper
 75 100
 110 10.3 16.0 48.0#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.801 ug/l
 RT: 6.93 min Scan# 1613
 Delta R.T. 0.04 min
 Lab File: VN064530.D
 Acq: 10 Nov 2020 17:00

Tgt Ion: 43 Resp: 206
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 4.867 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-478-480

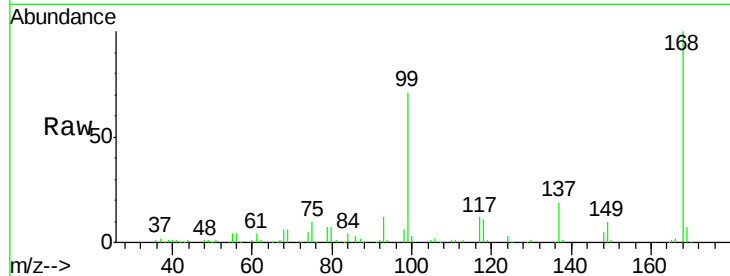
Tot Ion:117 Resp: 26741

Ion Ratio Lower Upper

117 100

119 8.6 75.5 113.3#

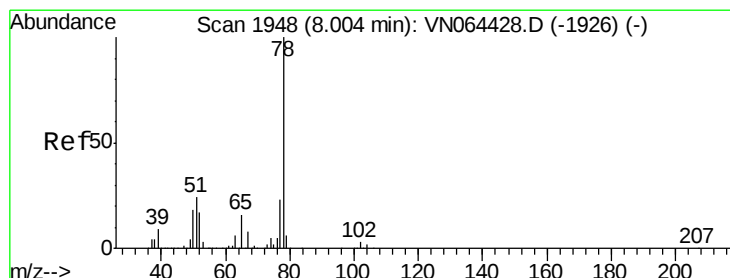
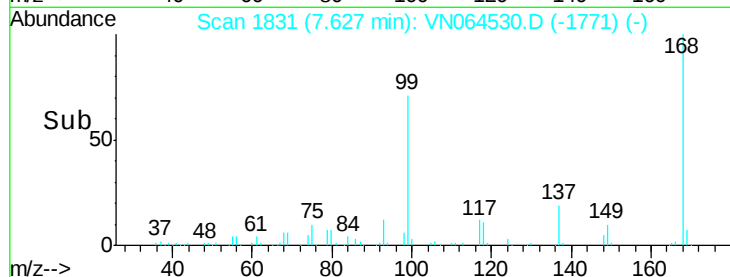
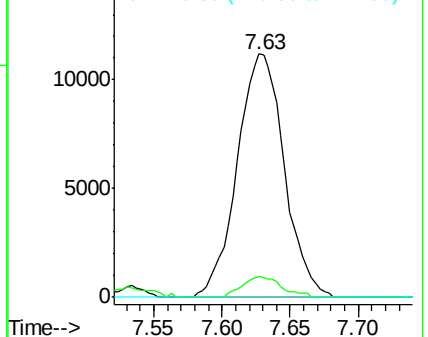
121 0.0 24.4 36.6#



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



#40

Benzene

Concen: 118.406 ug/l

RT: 8.01 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN064530.D

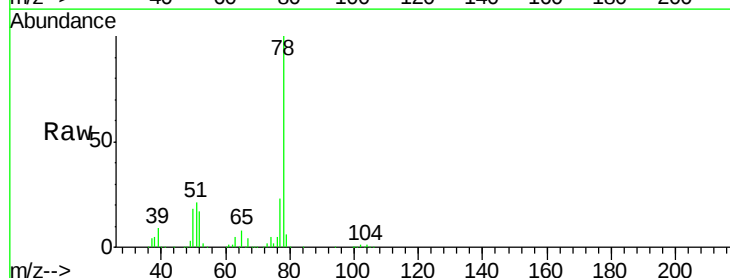
Acq: 10 Nov 2020 17:00

Tgt Ion: 78 Resp: 1788693

Ion Ratio Lower Upper

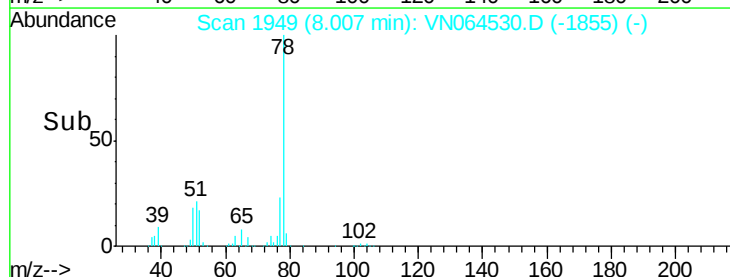
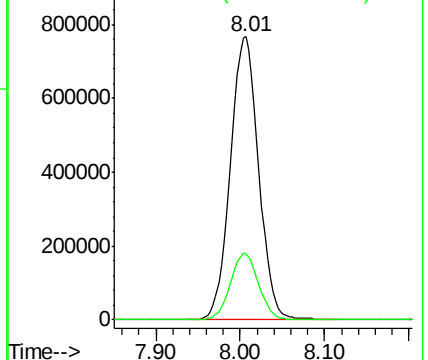
78 100

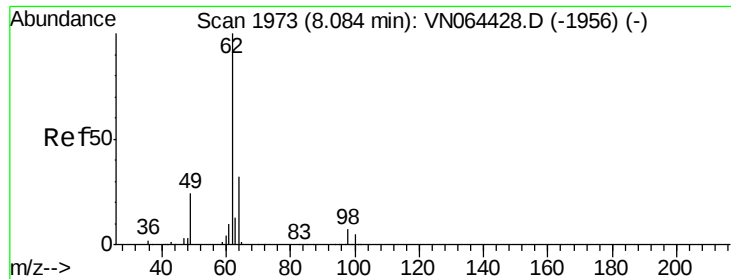
77 23.4 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): V

Ion 77.00 (76.70 to 77.70): V





#42

1,2-Dichloroethane

Concen: 21.962 ug/l

RT: 8.09 min Scan# 1975

Delta R.T. 0.01 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

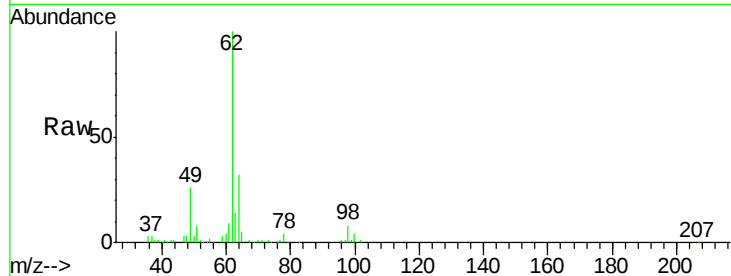
BP-VPB178-GW-478-480

Tot Ion: 62 Resp: 133890

Ion Ratio Lower Upper

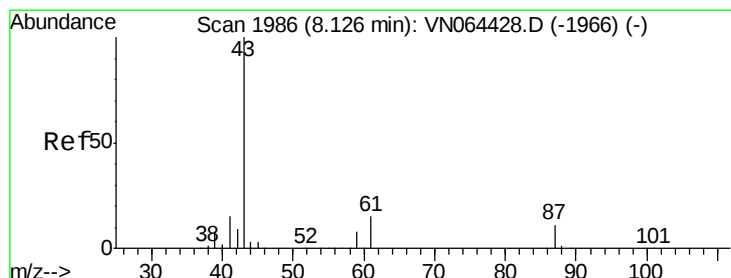
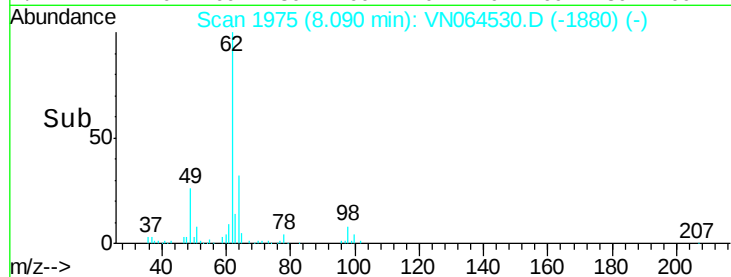
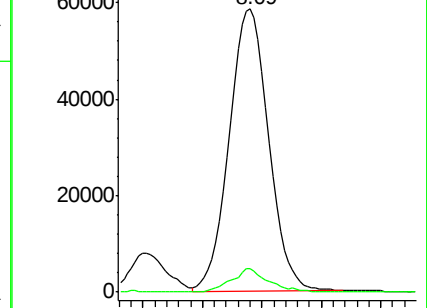
62 100

98 7.7 0.0 14.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#43

Isopropyl Acetate

Concen: 0.517 ug/l

RT: 8.11 min Scan# 1981

Delta R.T. -0.02 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

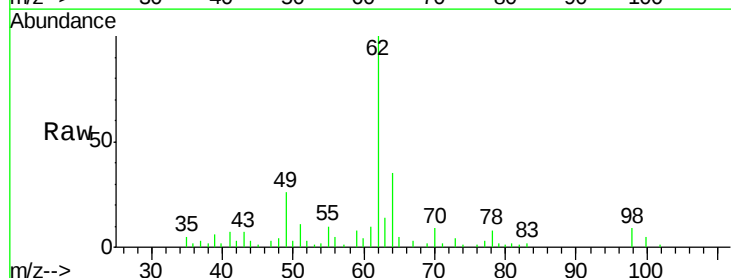
Tgt Ion: 43 Resp: 4310

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

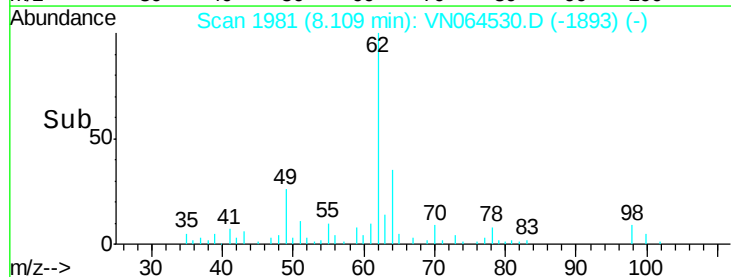
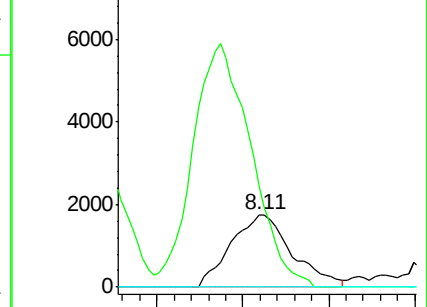
87 0.0 9.1 13.7#

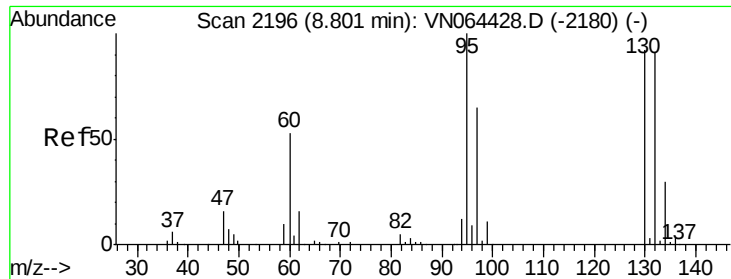


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#44

Trichloroethene

Concen: 3.332 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

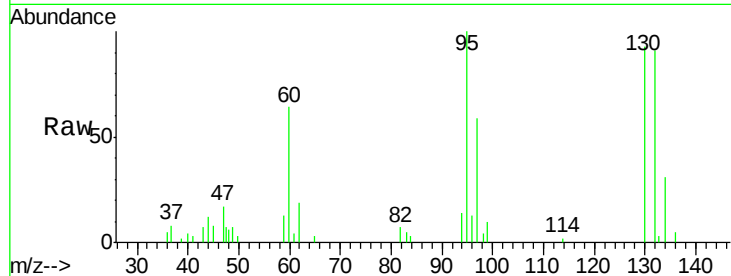
BP-VPB178-GW-478-480

Tot Ion:130 Resp: 12701

Ion Ratio Lower Upper

130 100

95 107.7 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.80

6000

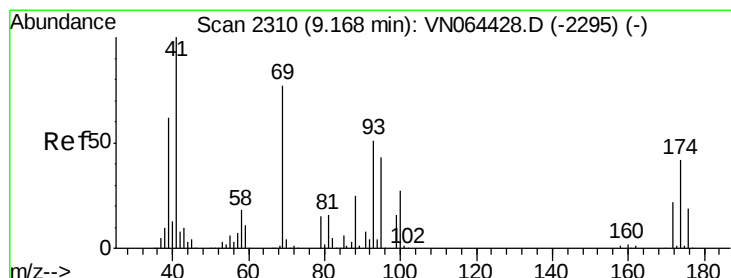
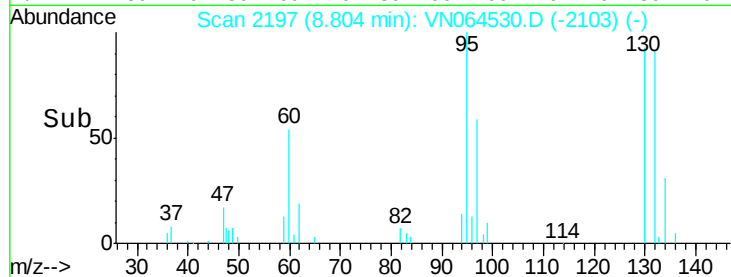
4000

2000

0

8.75 8.80 8.85

Time-->



#49

1,4-Dioxane

Concen: 21.581 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

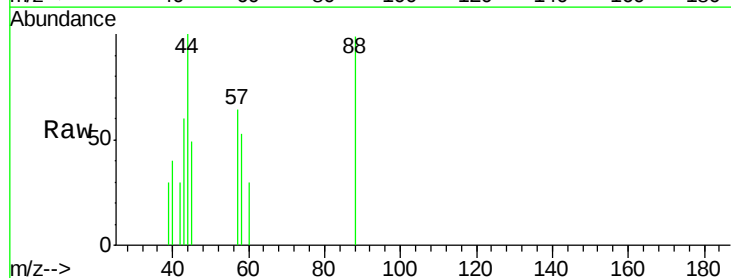
Tgt Ion: 88 Resp: 1195

Ion Ratio Lower Upper

88 100

43 17.4 31.0 46.6#

58 55.7 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VN

Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

9.17

800

600

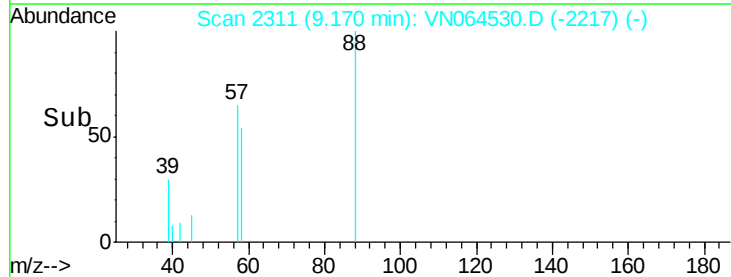
400

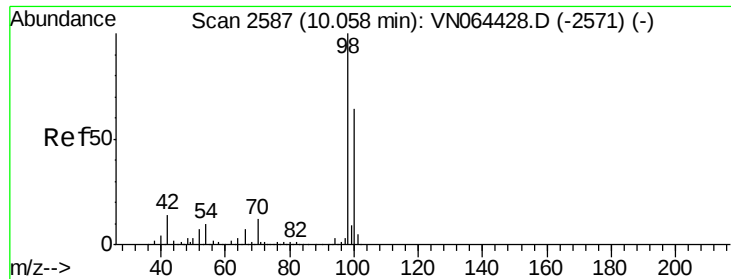
200

0

9.14 9.16 9.18 9.20

Time-->

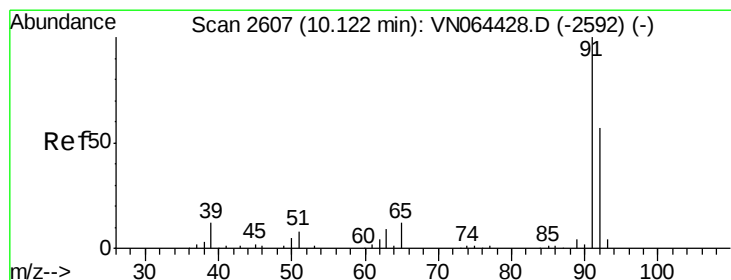
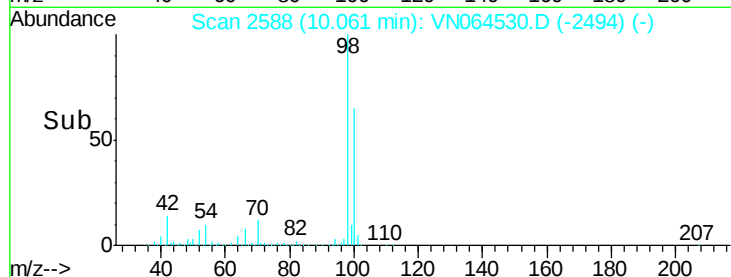
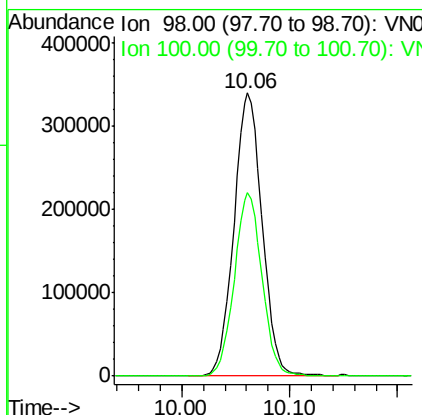
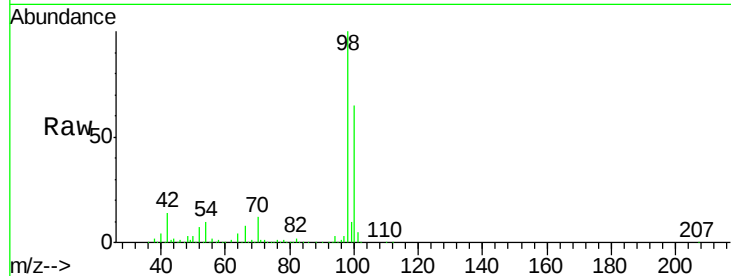




#50
Toluene-d8
Concen: 48.405 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

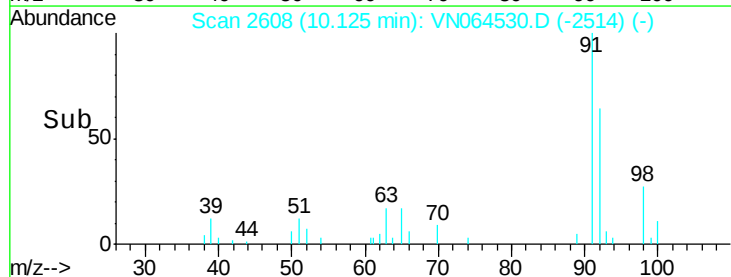
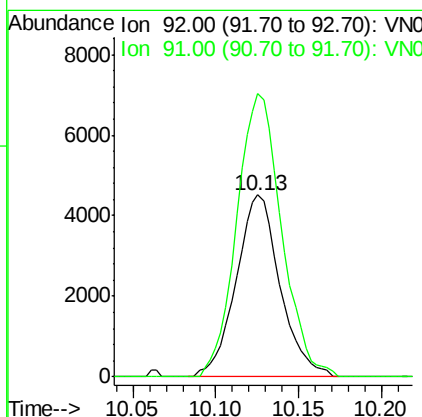
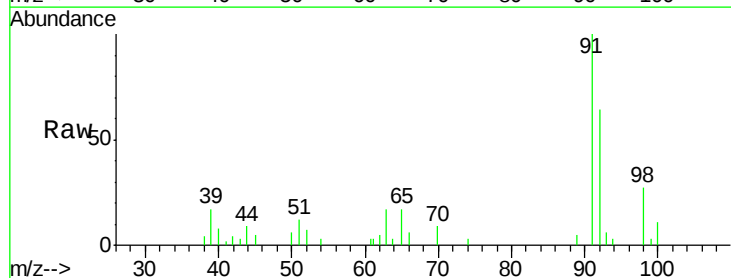
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-478-480

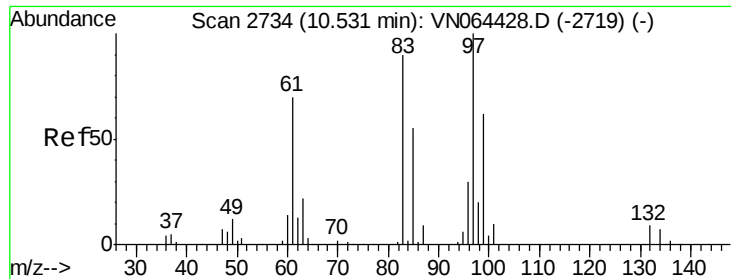
Tot Ion: 98 Resp: 619860
Ion Ratio Lower Upper
98 100
100 63.3 50.7 76.1



#52
Toluene
Concen: 0.901 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Tgt Ion: 92 Resp: 8305
Ion Ratio Lower Upper
92 100
91 159.1 139.6 209.4





#55

1,1,2-Trichloroethane

Concen: 0.265 ug/l

RT: 10.52 min Scan# 2732

Delta R.T. -0.01 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-478-480

Tot Ion: 97 Resp: 951

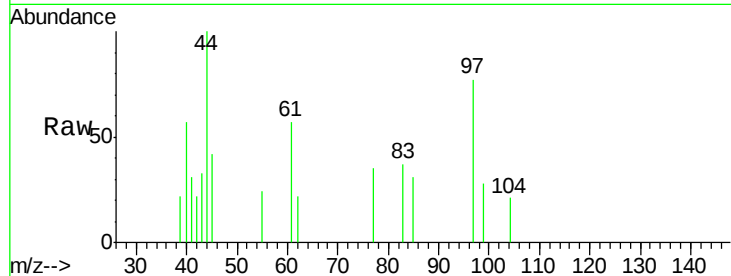
Ion Ratio Lower Upper

97 100

83 48.2 71.7 107.5#

85 40.0 44.3 66.5#

99 36.5 49.4 74.2#

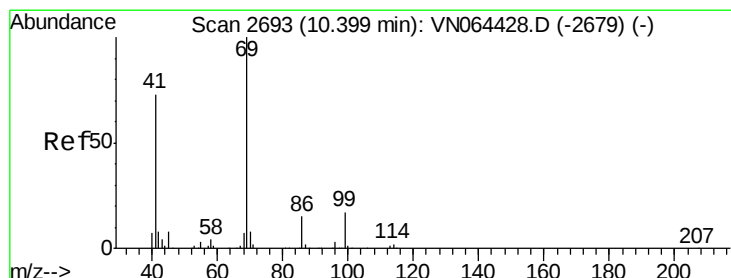
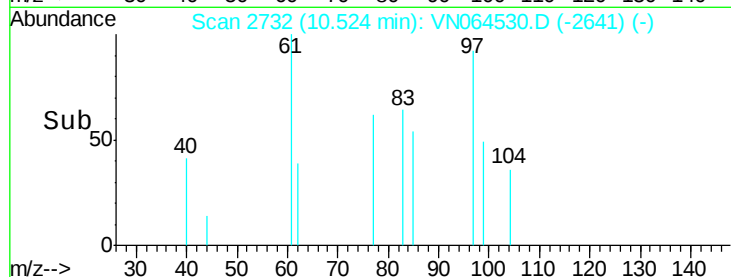
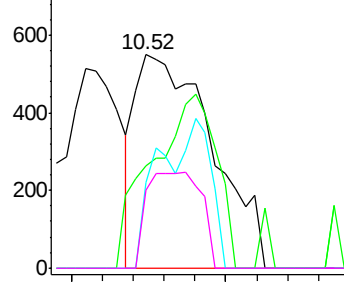


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 1.846 ug/l

RT: 10.50 min Scan# 2723

Delta R.T. 0.10 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

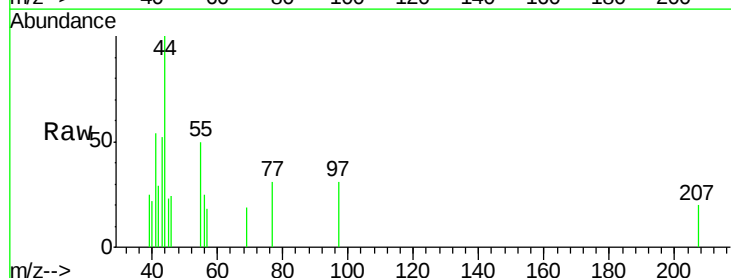
Tgt Ion: 69 Resp: 31

Ion Ratio Lower Upper

69 100

41 1677.4 59.3 88.9#

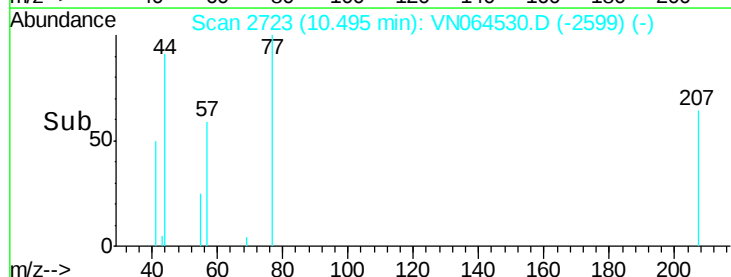
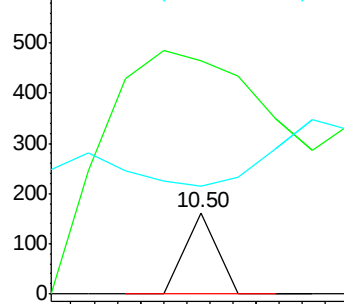
39 858.1 35.4 53.0#

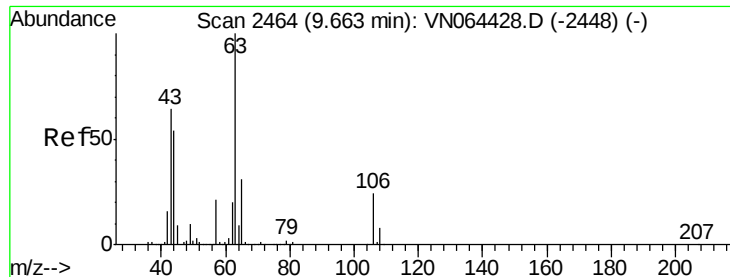


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 21.548 ug/l

RT: 9.40 min Scan# 2381

Delta R.T. -0.27 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

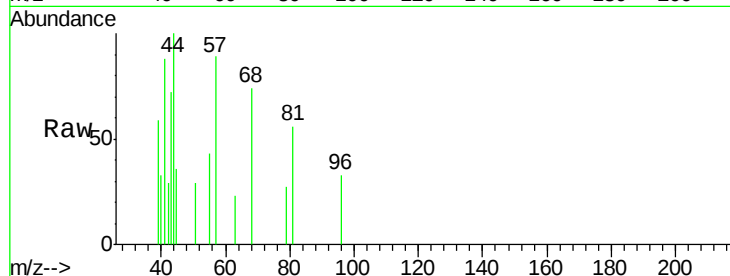
BP-VPB178-GW-478-480

Tot Ion: 63 Resp: 30

Ion Ratio Lower Upper

63 100

106 0.0 19.5 29.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.40

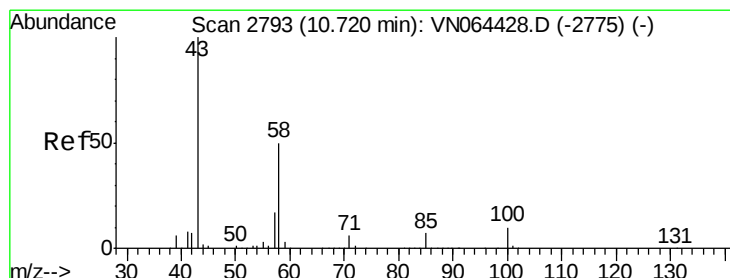
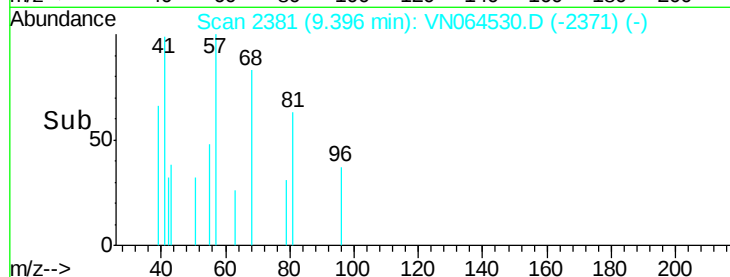
150

100

50

0

Time-->



#59

2-Hexanone

Concen: 4.052 ug/l

RT: 10.74 min Scan# 2799

Delta R.T. 0.02 min

Lab File: VN064530.D

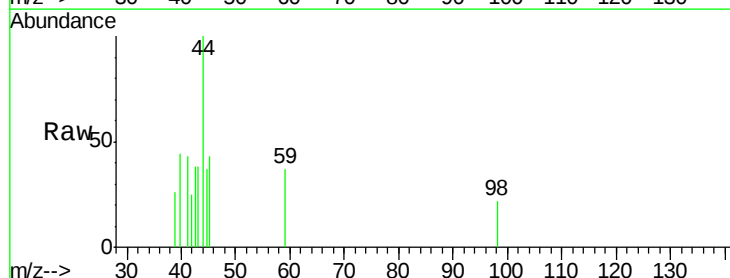
Acq: 10 Nov 2020 17:00

Tgt Ion: 43 Resp: 96

Ion Ratio Lower Upper

43 100

58 0.0 24.7 74.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.74

600

500

400

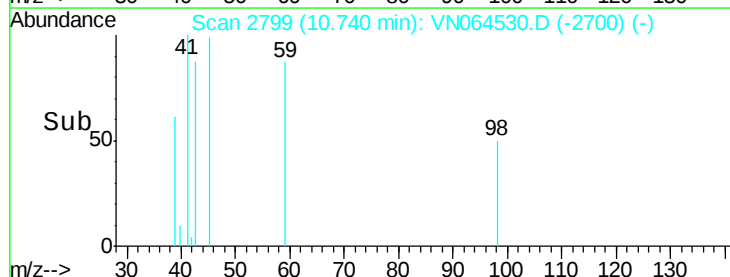
300

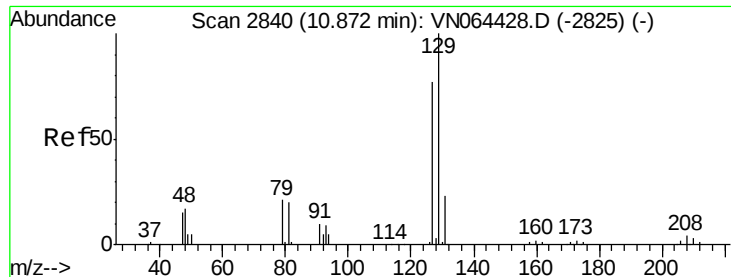
200

100

0

Time-->





#60

Dibromochloromethane

Concen: 0.891 ug/l

RT: 10.60 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

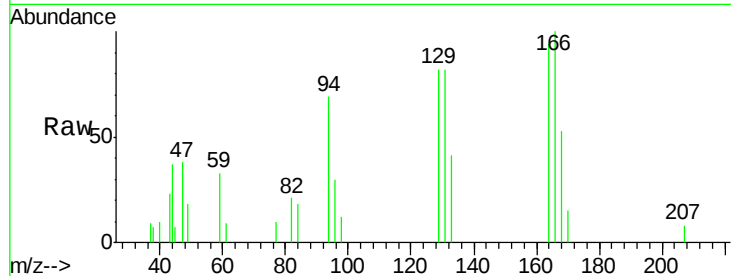
BP-VPB178-GW-478-480

Tot Ion:129 Resp: 3583

Ion Ratio Lower Upper

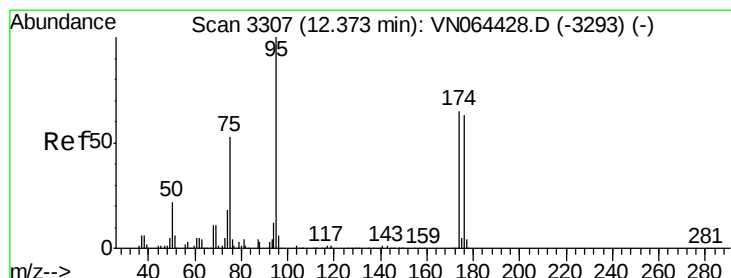
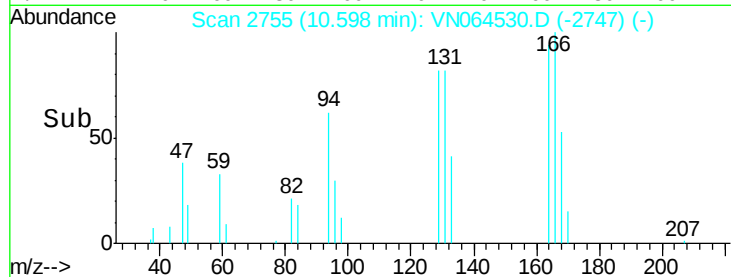
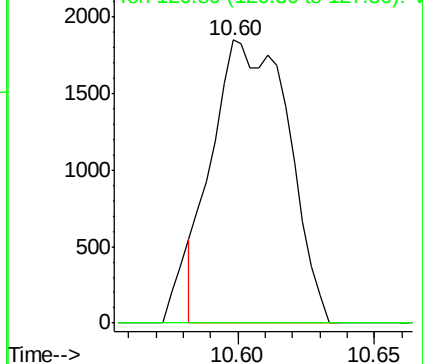
129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 50.384 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

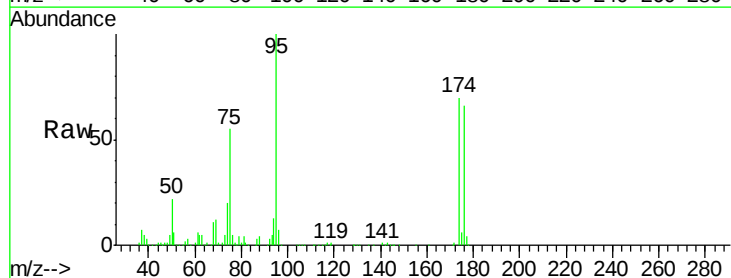
Tgt Ion: 95 Resp: 244009

Ion Ratio Lower Upper

95 100

174 70.6 0.0 132.6

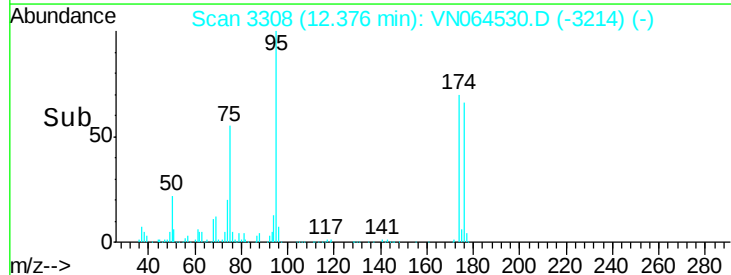
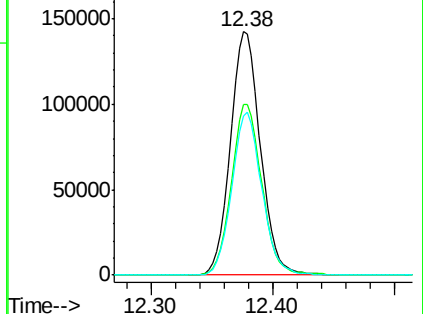
176 66.6 0.0 129.2

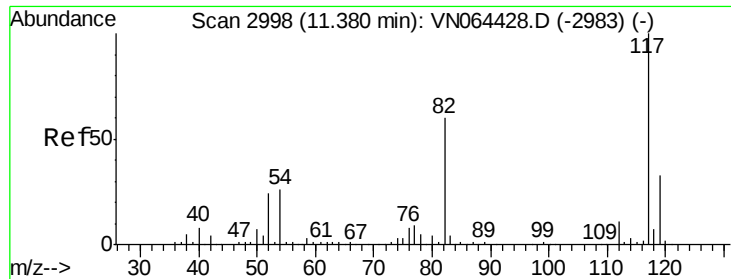


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

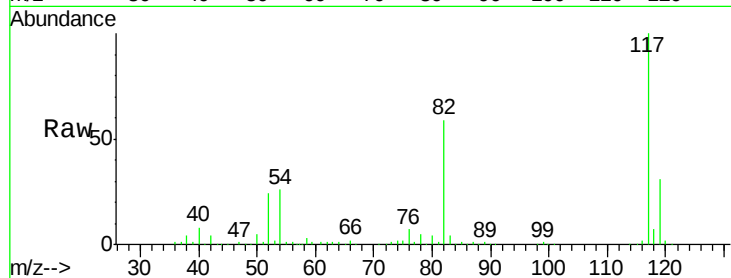




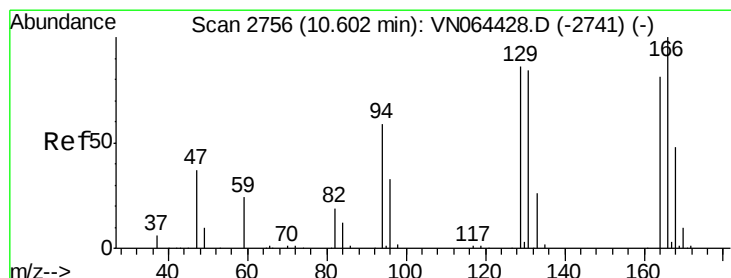
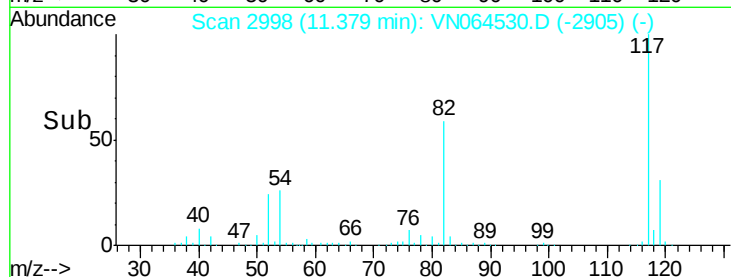
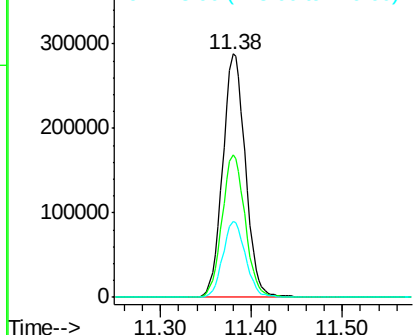
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-478-480

Tot Ion:117 Resp: 500267
Ion Ratio Lower Upper
117 100
82 58.6 48.1 72.1
119 31.2 26.2 39.4



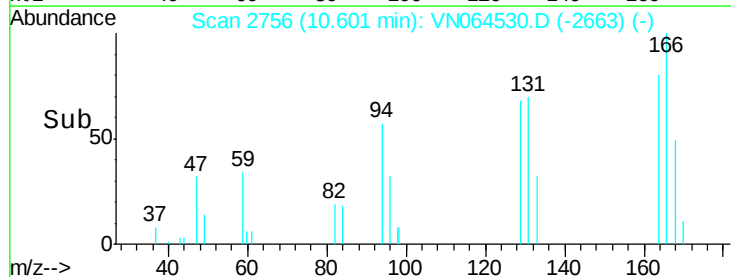
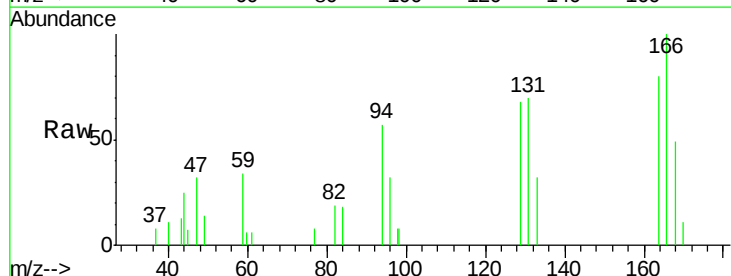
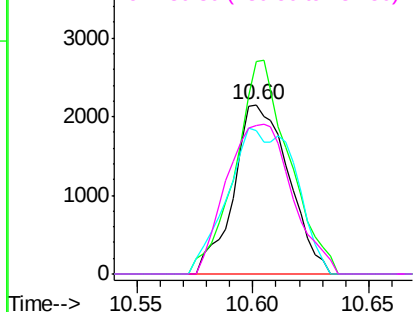
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

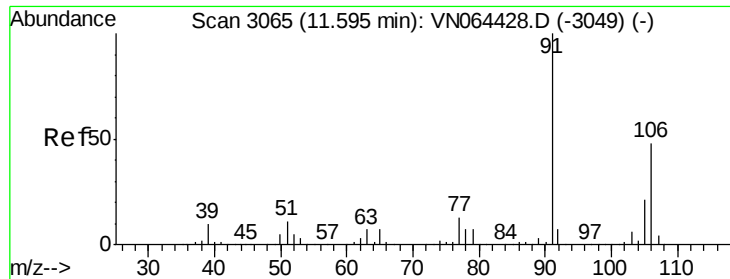


#64
Tetrachloroethene
Concen: 0.919 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Tgt Ion:164 Resp: 3540
Ion Ratio Lower Upper
164 100
166 125.0 98.2 147.2
129 84.9 84.6 127.0
131 87.7 82.2 123.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

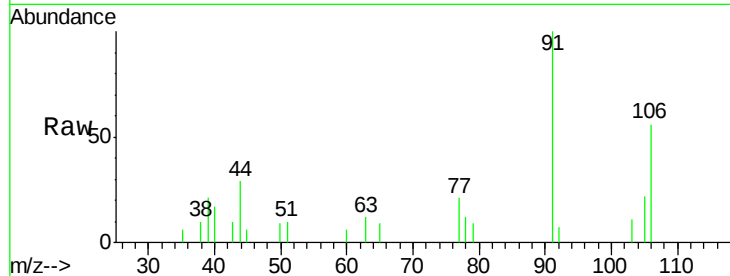




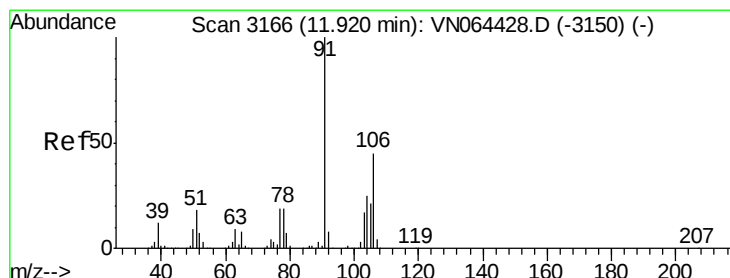
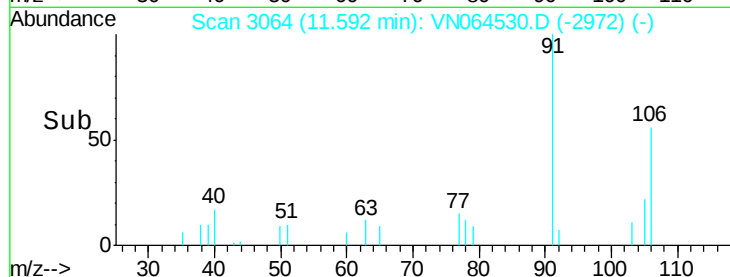
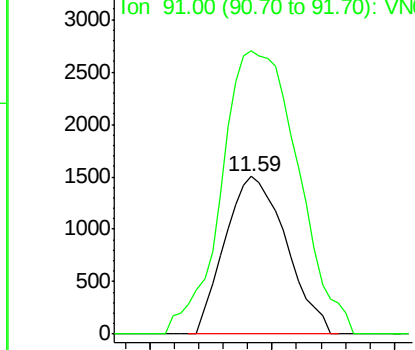
#68
m/p-Xylenes
Concen: 0.370 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-478-480

Tot Ion:106 Resp: 2621
Ion Ratio Lower Upper
106 100
91 224.0 169.4 254.2

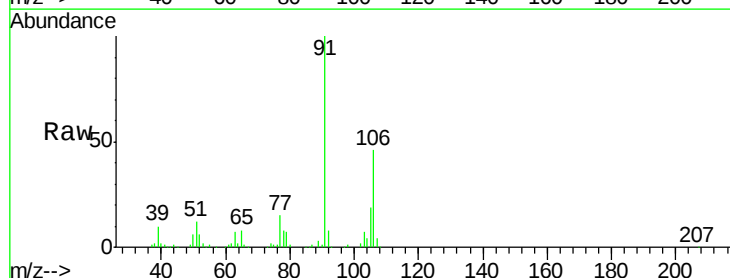


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

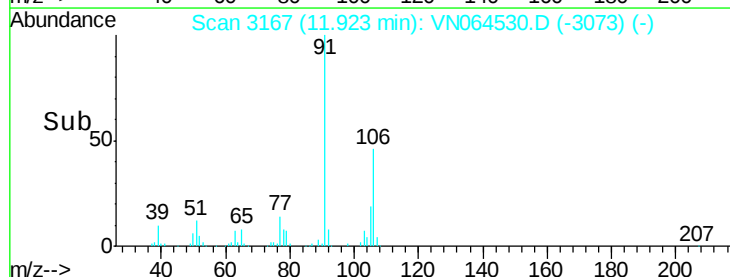
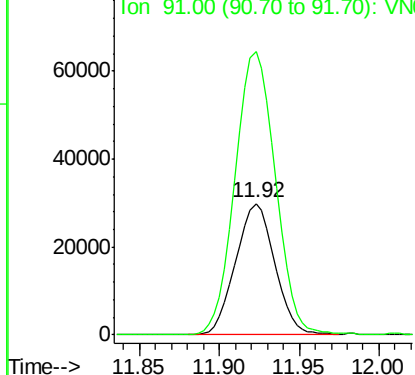


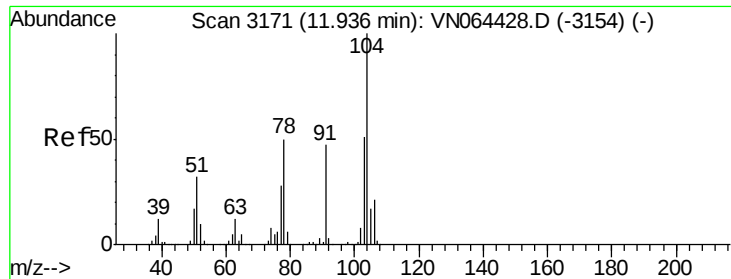
#69
o-Xylene
Concen: 7.293 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Tgt Ion:106 Resp: 49859
Ion Ratio Lower Upper
106 100
91 221.8 111.7 334.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#70

Stvrene

Concen: 0.373 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. -0.01 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-478-480

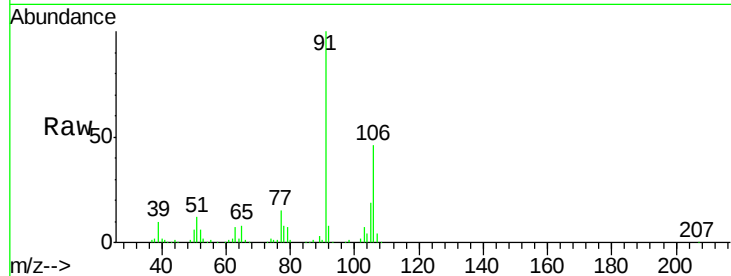
Tot Ion:104 Resp: 4286

Ion Ratio Lower Upper

104 100

78 207.1 44.0 66.0#

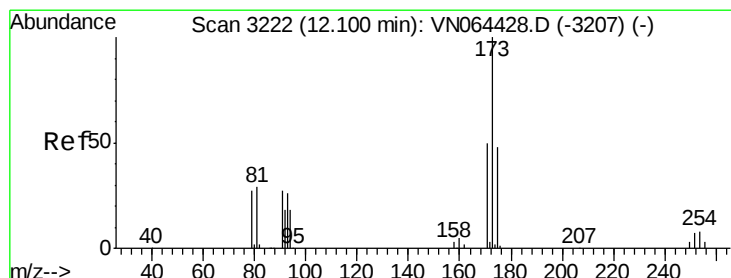
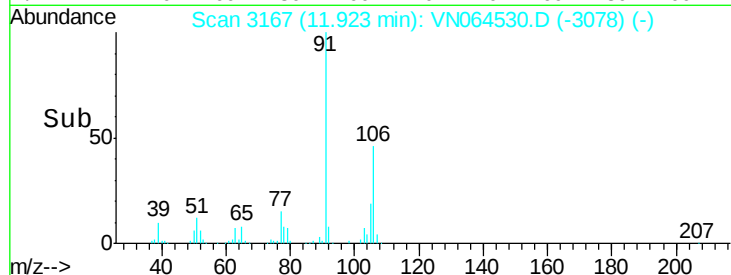
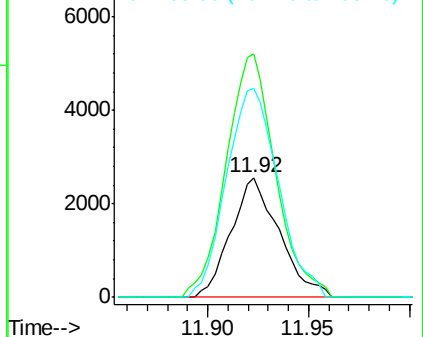
103 187.3 43.8 65.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 1.315 ug/l

RT: 12.36 min Scan# 3303

Delta R.T. 0.26 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

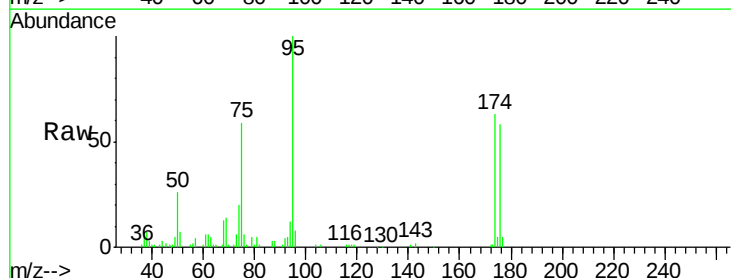
Tgt Ion:173 Resp: 125

Ion Ratio Lower Upper

173 100

175 8694.4 23.7 71.1#

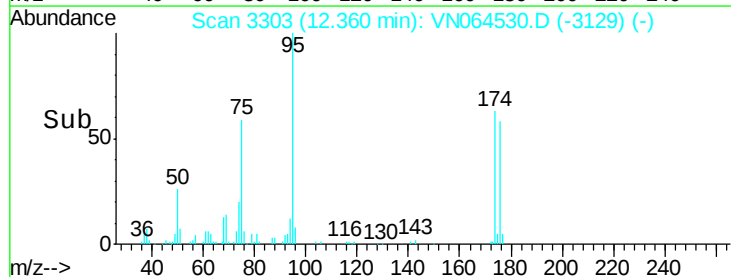
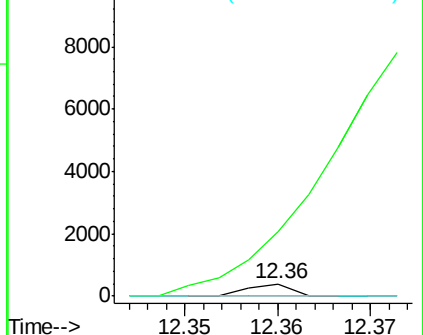
254 0.0 0.0 0.0

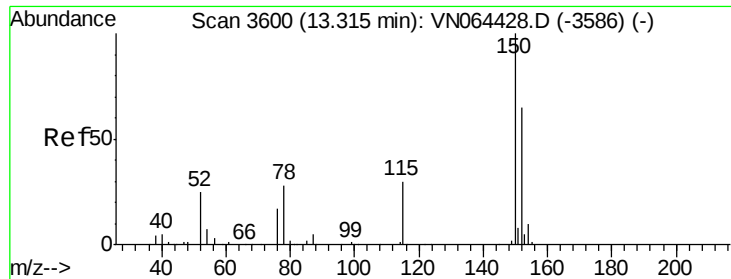


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-478-480

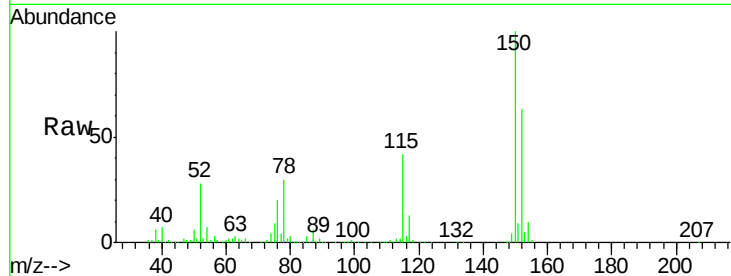
Tot Ion:152 Resp: 190539

Ion Ratio Lower Upper

152 100

115 66.6 32.0 96.0

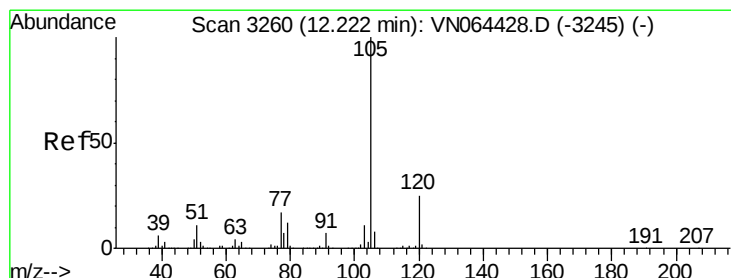
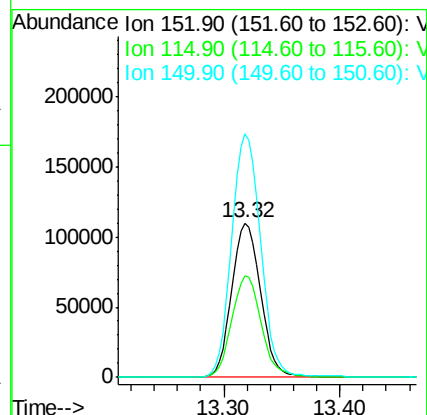
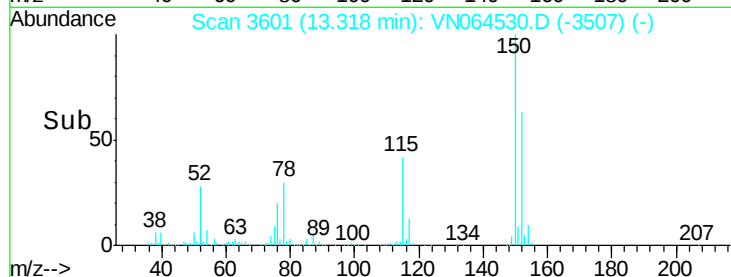
150 157.4 0.0 353.8



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



#73

Isopropylbenzene

Concen: 2.606 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064530.D

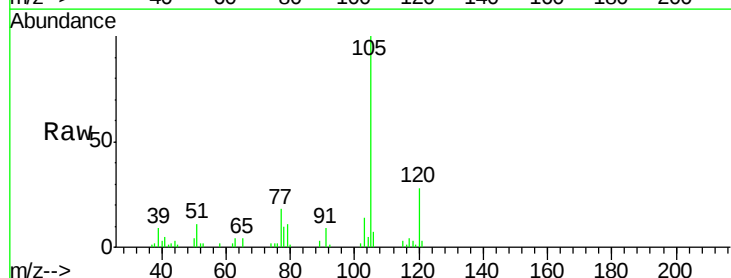
Acq: 10 Nov 2020 17:00

Tgt Ion:105 Resp: 39462

Ion Ratio Lower Upper

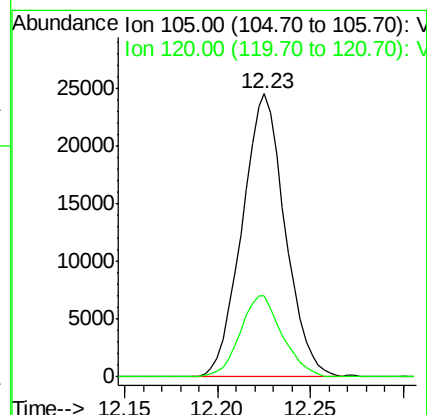
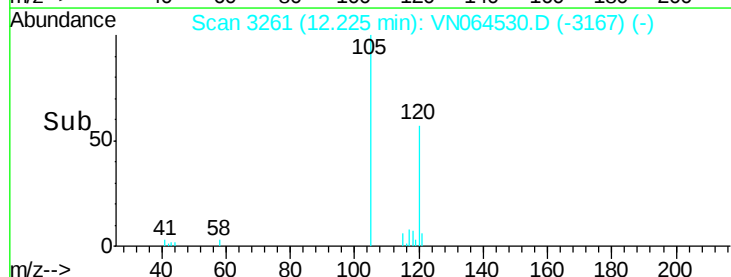
105 100

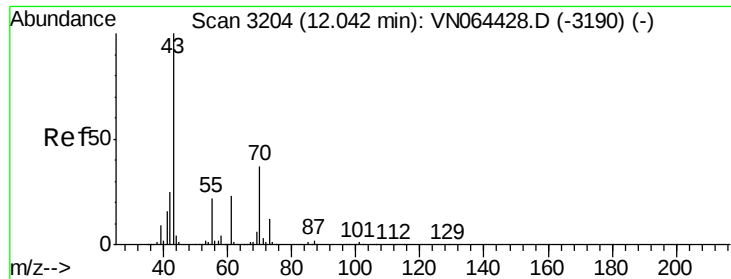
120 28.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

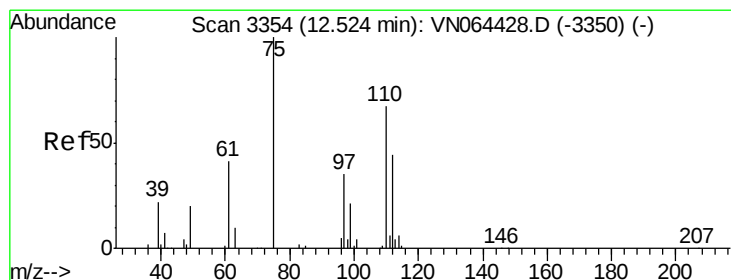
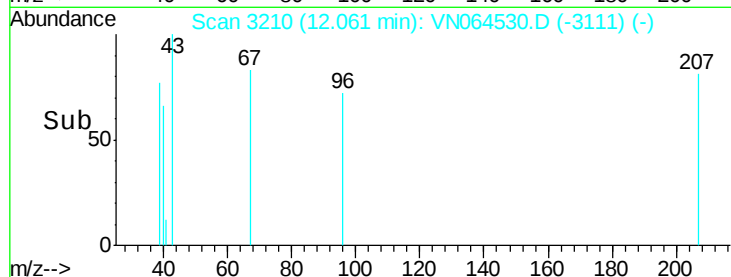
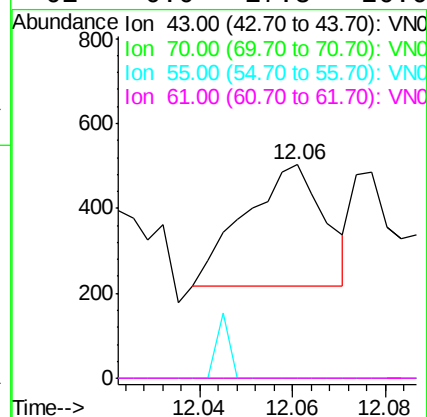
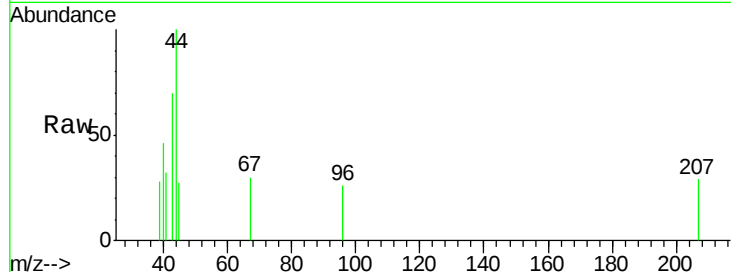




#74
N-amvl acetate
Concen: 1.260 ug/l
RT: 12.06 min Scan# 3210
Delta R.T. 0.02 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

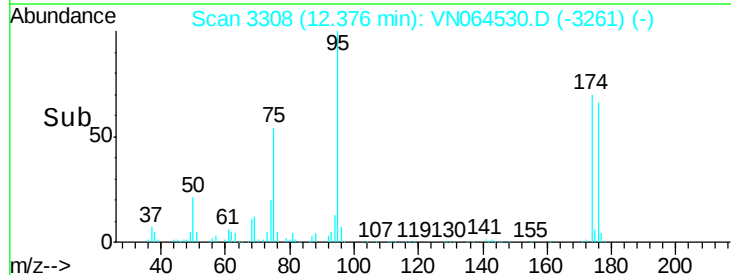
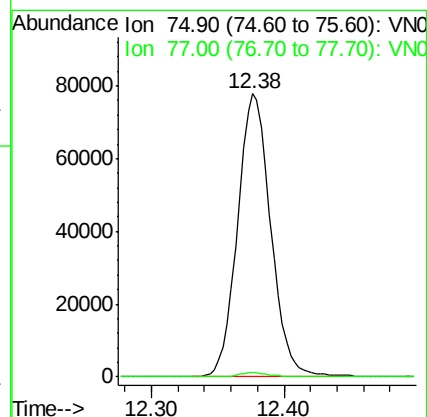
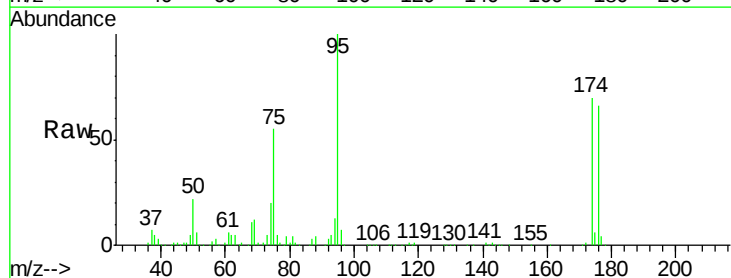
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-478-480

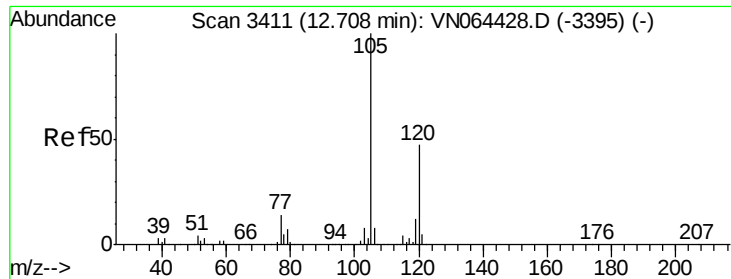
Tot Ion: 43 Resp: 340
Ion Ratio Lower Upper
43 100
70 0.0 29.6 44.4#
55 8.8 18.4 27.6#
61 0.0 17.8 26.6#



#76
1,2,3-Trichloropropane
Concen: 29.248 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Tgt Ion: 75 Resp: 135025
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

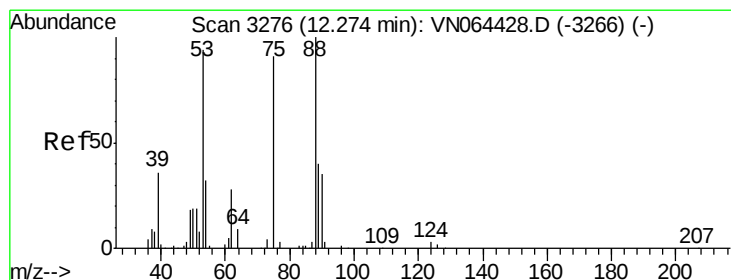
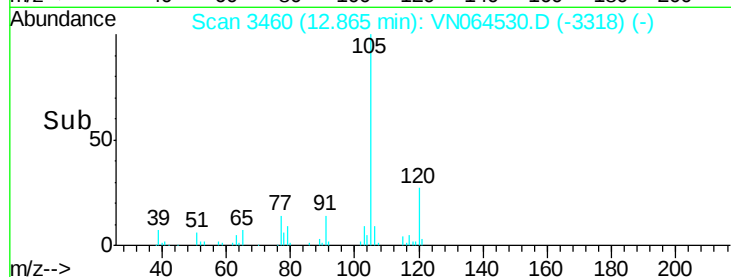
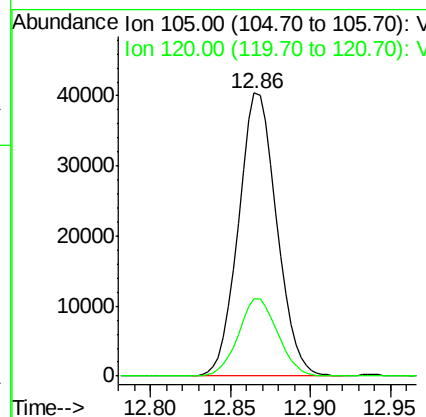
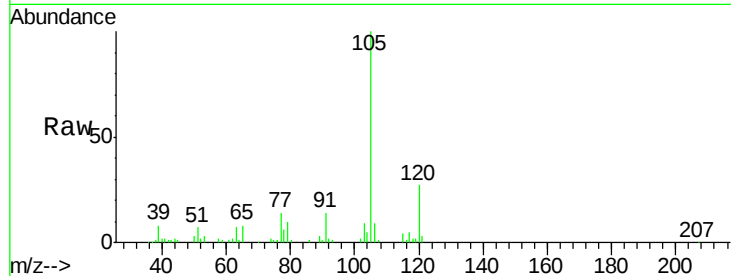




#80
 1,3,5-Trimethylbenzene
 Concen: 5.262 ug/l
 RT: 12.86 min Scan# 3460
 Delta R.T. 0.16 min
 Lab File: VN064530.D
 Acq: 10 Nov 2020 17:00

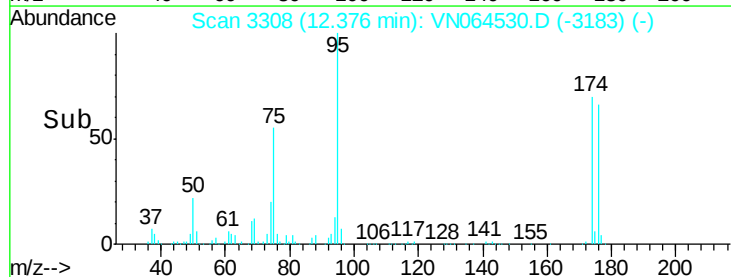
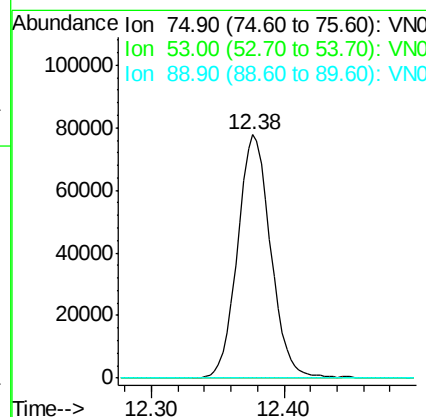
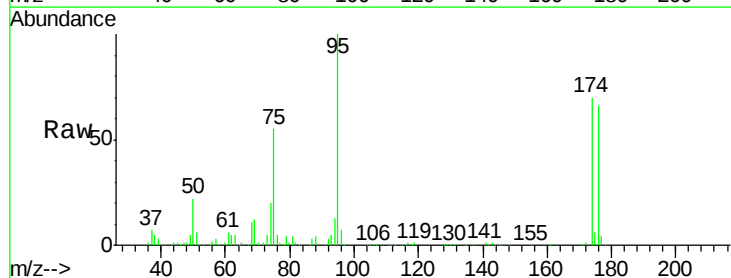
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-478-480

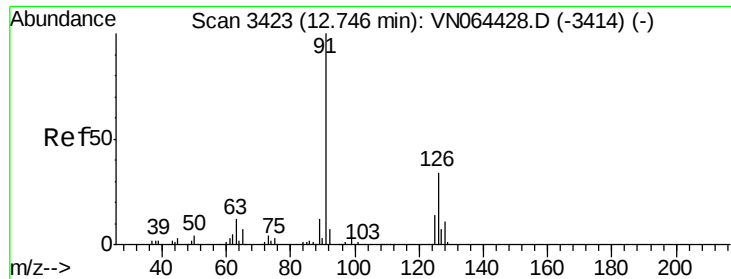
Tot Ion:105 Resp: 65740
 Ion Ratio Lower Upper
 105 100
 120 28.0 23.4 70.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.663 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064530.D
 Acq: 10 Nov 2020 17:00

Tgt Ion: 75 Resp: 135025
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.0 126.0#
 89 0.0 36.3 54.5#





#82

4-Chlorotoluene

Concen: 0.862 ug/l

RT: 12.86 min Scan# 3460

Delta R.T. 0.12 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

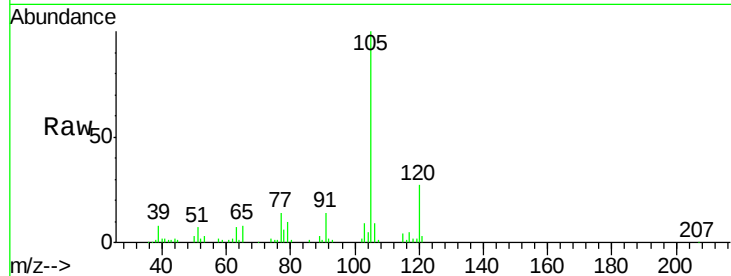
BP-VPB178-GW-478-480

Tot Ion: 91 Resp: 9889

Ion Ratio Lower Upper

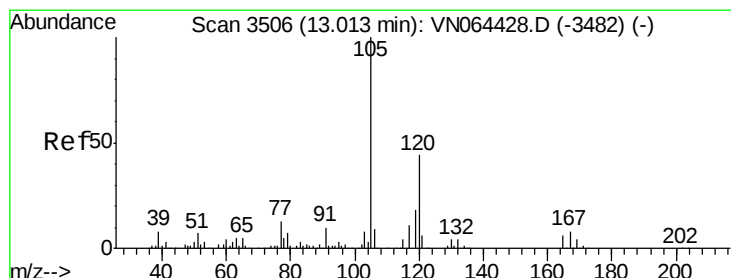
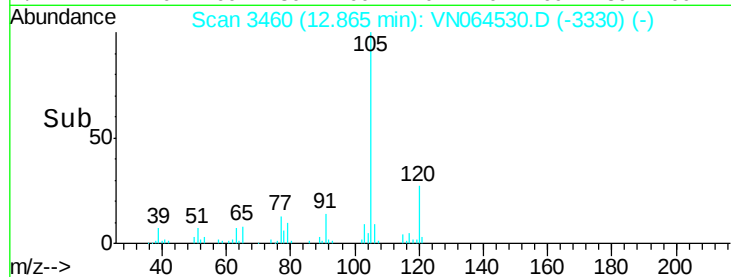
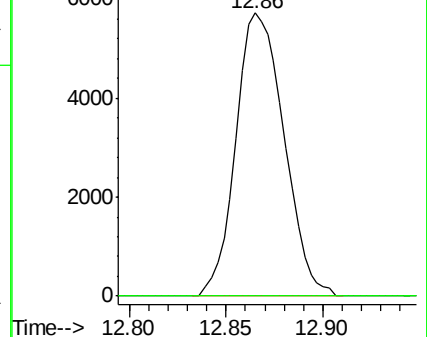
91 100

126 0.0 15.4 46.2#



Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3414) (-)

Ion 125.90 (125.60 to 126.60): VN064428.D (-3414) (-)



#84

1,2,4-Trimethylbenzene

Concen: 5.234 ug/l

RT: 12.86 min Scan# 3460

Delta R.T. -0.15 min

Lab File: VN064530.D

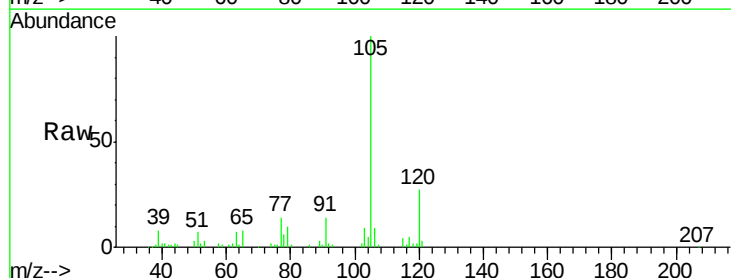
Acq: 10 Nov 2020 17:00

Tgt Ion: 105 Resp: 65740

Ion Ratio Lower Upper

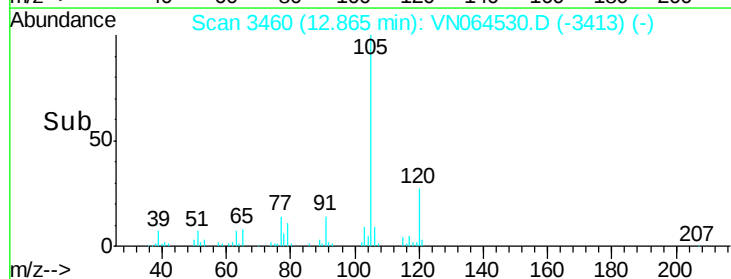
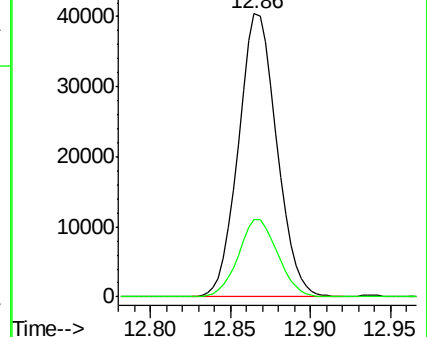
105 100

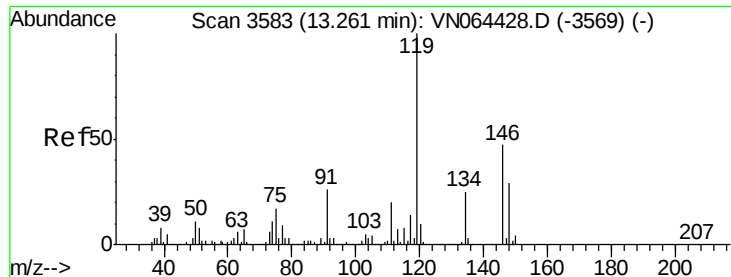
120 28.0 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): VN064428.D (-3482) (-)

Ion 120.00 (119.70 to 120.70): VN064428.D (-3482) (-)

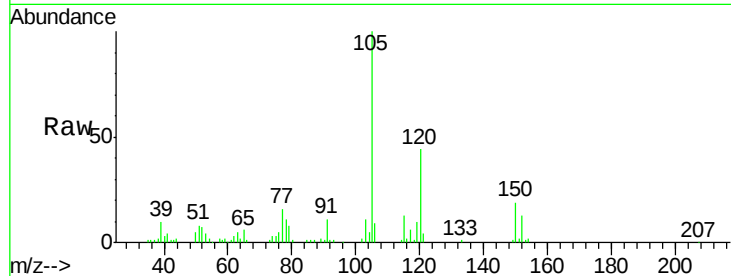




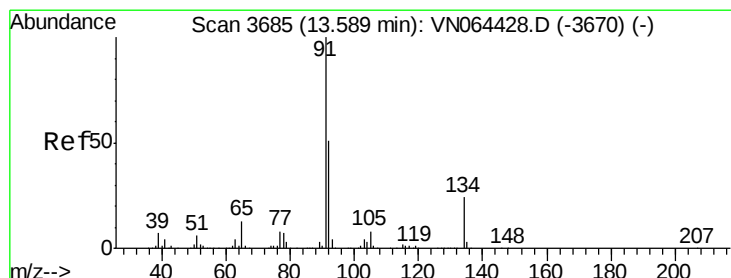
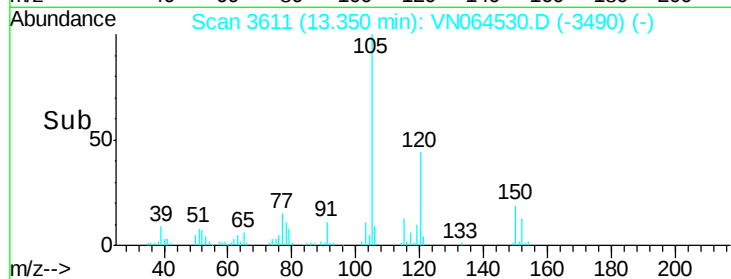
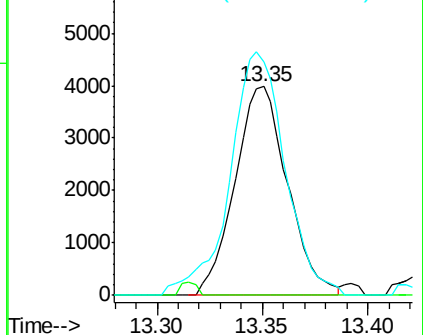
#86
 p-Isopropyltoluene
 Concen: 0.622 ug/l
 RT: 13.35 min Scan# 3611
 Delta R.T. 0.09 min
 Lab File: VN064530.D
 Acq: 10 Nov 2020 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-478-480

Tot Ion: 119 Resp: 6911
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.6 37.6#
 91 122.5 12.8 38.3#

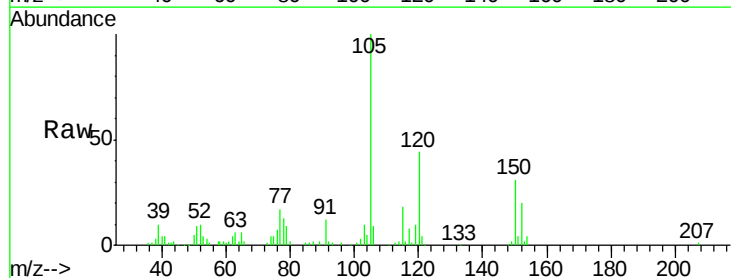


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

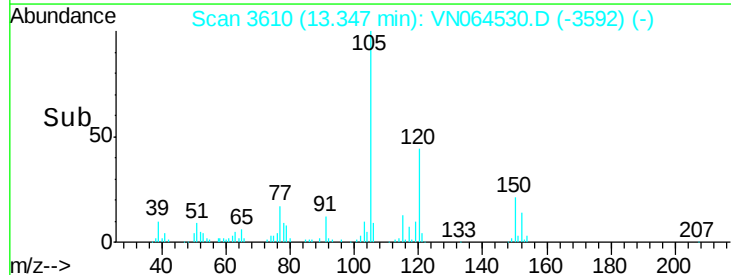
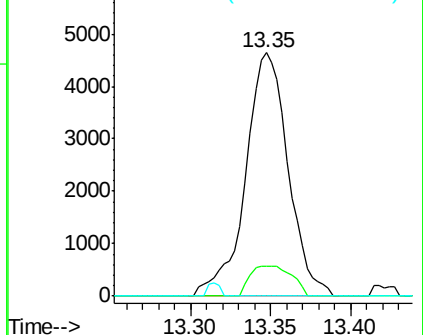


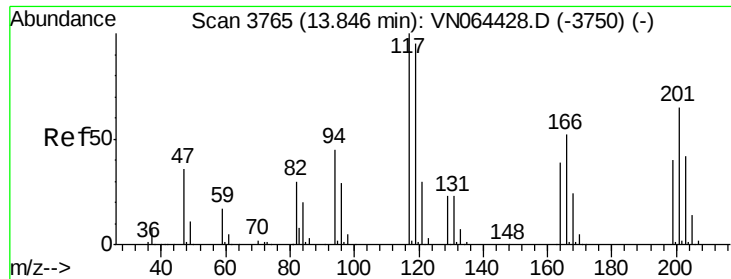
#89
 n-Butylbenzene
 Concen: 0.886 ug/l
 RT: 13.35 min Scan# 3610
 Delta R.T. -0.24 min
 Lab File: VN064530.D
 Acq: 10 Nov 2020 17:00

Tgt Ion: 91 Resp: 8467
 Ion Ratio Lower Upper
 91 100
 92 12.1 25.3 75.9#
 134 0.0 11.8 35.4#



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 92.00 (91.70 to 92.70): V
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 3.829 ug/l

RT: 13.97 min Scan# 3804

Delta R.T. 0.13 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

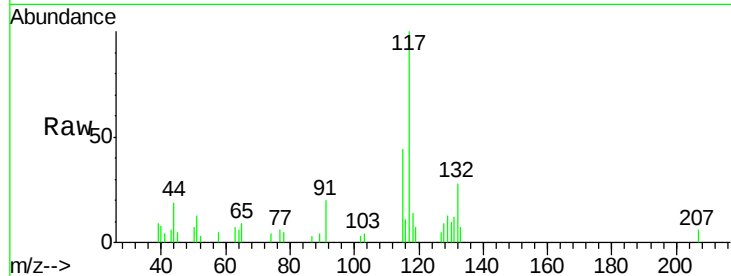
BP-VPB178-GW-478-480

Tot Ion:117 Resp: 8210

Ion Ratio Lower Upper

117 100

201 0.0 32.5 97.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

