

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064541.D
 Acq On : 10 Nov 2020 21:26
 Operator : JC/MD
 Sample : L4684-09MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

Quant Time: Nov 11 01:56:51 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	320605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	570964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	531395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	254690	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	273265	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
35) Dibromofluoromethane	7.55	113	189944	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.06	98	708999	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
62) 4-Bromofluorobenzene	12.38	95	266775	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.84	85	194717	46.656	ug/l	100
3) Chloromethane	2.04	50	226535	44.688	ug/l	98
4) Vinyl Chloride	2.17	62	245895	47.236	ug/l	97
5) Bromomethane	2.53	94	152982	46.002	ug/l	98
6) Chloroethane	2.68	64	162135	48.647	ug/l	97
7) Trichlorofluoromethane	2.99	101	386292	50.395	ug/l	98
8) Diethyl Ether	3.38	74	136858	50.559	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	177110	48.656	ug/l	99
10) Methyl Iodide	3.91	142	218837	51.739	ug/l	99
11) Tert butyl alcohol	4.75	59	153258	248.857	ug/l	100
12) 1,1-Dichloroethene	3.70	96	222589	64.918	ug/l	99
13) Acrolein	3.57	56	133959	350.675	ug/l	95
14) Allyl chloride	4.28	41	314738	46.924	ug/l	99
15) Acrylonitrile	4.94	53	449420	262.115	ug/l	99
16) Acetone	3.78	43	422376	198.558	ug/l	97
17) Carbon Disulfide	4.01	76	488186	47.610	ug/l	97
18) Methyl Acetate	4.28	43	202078	48.320	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	612156	49.605	ug/l #	87
20) Methylene Chloride	4.50	84	210749	49.934	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	186820	47.987	ug/l	99
22) Diisopropyl ether	5.91	45	729786	51.256	ug/l	98
23) Vinyl Acetate	5.85	43	2867235	247.545	ug/l	99
24) 1,1-Dichloroethane	5.80	63	579280	74.040	ug/l	99
25) 2-Butanone	6.79	43	632600	233.399	ug/l	97
26) 2,2-Dichloropropane	6.78	77	298446	42.138	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	219818	48.727	ug/l	96
28) Bromochloromethane	7.15	49	179702	46.728	ug/l	98
29) Tetrahydrofuran	7.17	42	418927	251.929	ug/l	99
30) Chloroform	7.33	83	407326	49.528	ug/l	97
31) Cyclohexane	7.62	56	305783	45.044	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	392165	53.763	ug/l	99
36) 1,1-Dichloropropene	7.75	75	296327	49.127	ug/l	98
37) Ethyl Acetate	6.89	43	273109	44.694	ug/l	100
38) Carbon Tetrachloride	7.74	117	324119	50.278	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	259206	47.938	ug/l	98
40) Benzene	8.00	78	2927842	165.186	ug/l	100
41) Methacrylonitrile	7.13	41	135847	50.799	ug/l	92
42) 1,2-Dichloroethane	8.09	62	532471	74.441	ug/l	99
43) Isopropyl Acetate	8.13	43	481975	49.306	ug/l	99
44) Trichloroethene	8.80	130	216971	48.519	ug/l	100
45) 1,2-Dichloropropane	9.09	63	235384	49.771	ug/l	95
46) Dibromomethane	9.18	93	159014	51.076	ug/l	98
47) Bromodichloromethane	9.37	83	344339	51.439	ug/l	98
48) Methyl methacrylate	9.17	41	250684	50.822	ug/l	99
49) 1,4-Dioxane	9.17	88	68828	1059.405	ug/l	98
51) 4-Methyl-2-Pentanone	9.96	43	1466528	257.261	ug/l	99
52) Toluene	10.13	92	548826	50.768	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	350999	49.458	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	357032	47.053	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	215366	51.082	ug/l	99
56) Ethyl methacrylate	10.40	69	313904	45.428	ug/l	99
57) 1,3-Dichloropropane	10.68	76	372287	50.590	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.67	63	110	21.569	ug/l #	51
59) 2-Hexanone	10.72	43	1058908	228.155	ug/l	99
60) Dibromochloromethane	10.87	129	254803	53.980	ug/l	99
61) 1,2-Dibromoethane	10.98	107	220609	51.587	ug/l	99
64) Tetrachloroethene	10.60	164	195403	47.737	ug/l	98
65) Chlorobenzene	11.41	112	568614	48.811	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	225072	51.789	ug/l	98
67) Ethyl Benzene	11.49	91	1054151	50.873	ug/l	99
68) m/p-Xylenes	11.60	106	777565	103.472	ug/l	98
69) o-Xylene	11.92	106	427708	58.900	ug/l	99
70) Styrene	11.94	104	631146	51.651	ug/l	98
71) Bromoform	12.10	173	161925	49.631	ug/l #	98
73) Isopropylbenzene	12.23	105	1024326	50.600	ug/l	99
74) N-amyl acetate	12.05	43	417130	42.668	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	308028	49.539	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	415560	67.342	ug/l #	100
77) Bromobenzene	12.50	156	235258	47.601	ug/l	97
78) n-propylbenzene	12.57	91	1132926	49.089	ug/l	99
79) 2-Chlorotoluene	12.65	91	696151	47.558	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	828718	49.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	101516	45.932	ug/l	99
82) 4-Chlorotoluene	12.75	91	750629	48.966	ug/l	100
83) tert-Butylbenzene	12.97	119	646127	49.537	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	839825	50.024	ug/l	100
85) sec-Butylbenzene	13.15	105	838459	50.758	ug/l	100
86) p-Isopropyltoluene	13.26	119	758114	51.023	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	412012	48.225	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	413220	46.802	ug/l	99
89) n-Butylbenzene	13.59	91	640709	50.153	ug/l	99
90) Hexachloroethane	13.85	117	146799	51.216	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	418617	50.939	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	65090	52.578	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration

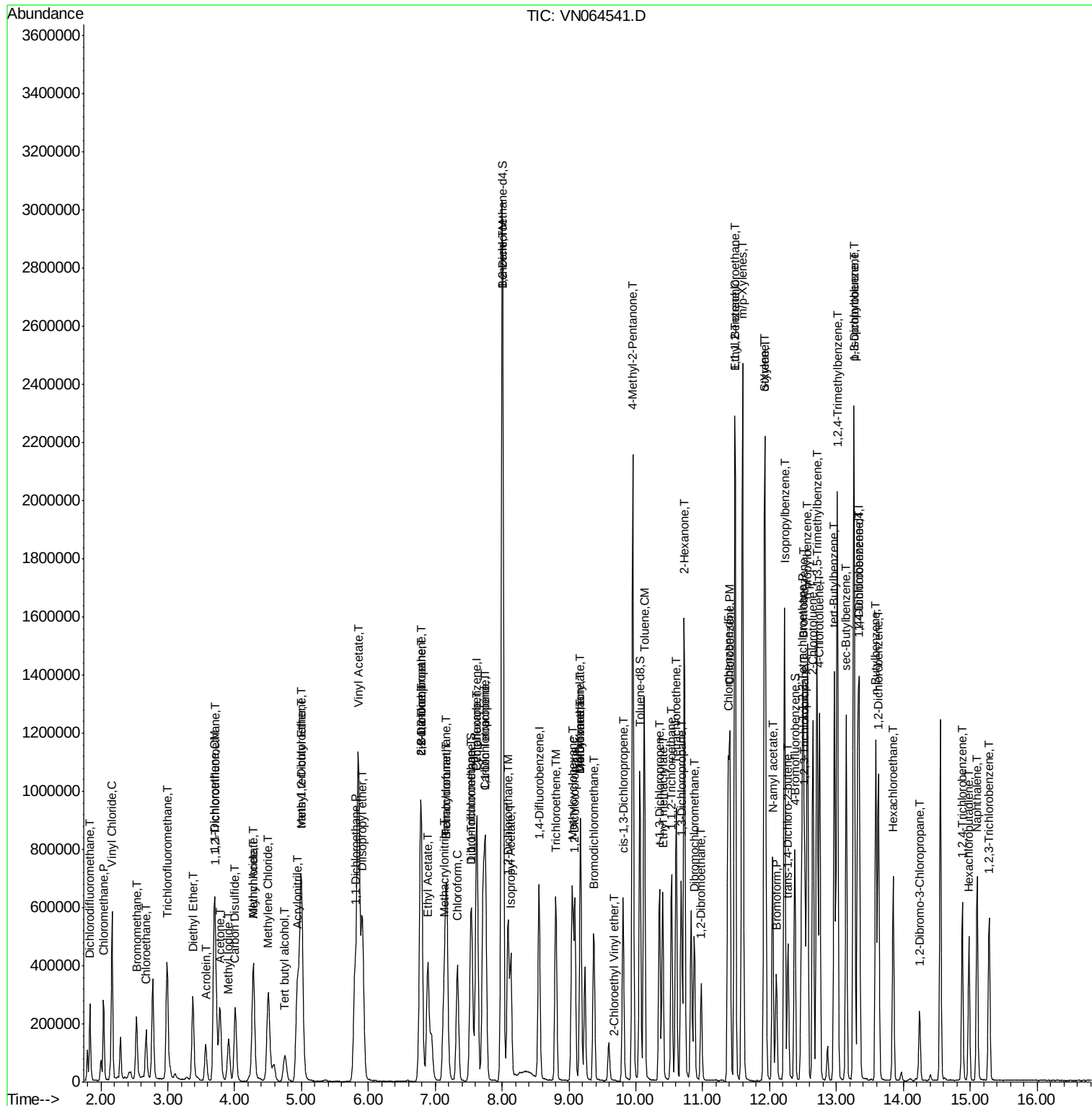
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	174331	43.048	ug/l	99
94) Hexachlorobutadiene	14.98	225	80369	48.033	ug/l	98
95) Naphthalene	15.10	128	575666	41.847	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	175219	44.631	ug/l	98

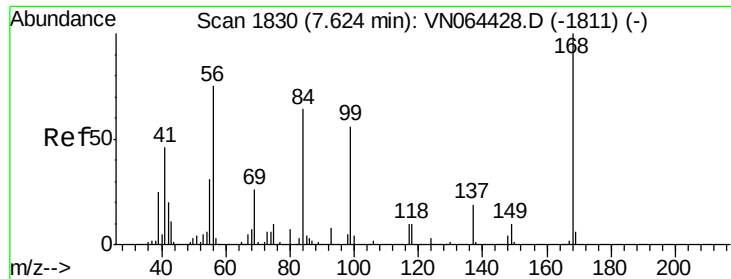
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
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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: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

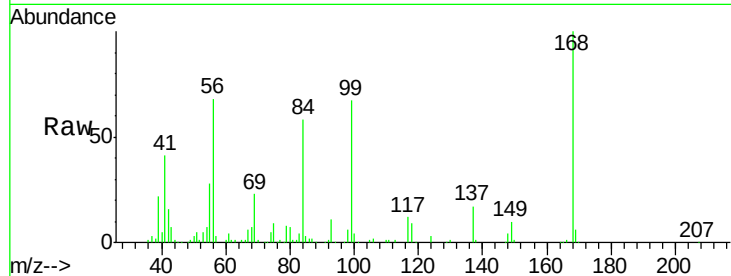
BP-VPB178-GW-498-500MS

Tot Ion:168 Resp: 320605

Ion Ratio Lower Upper

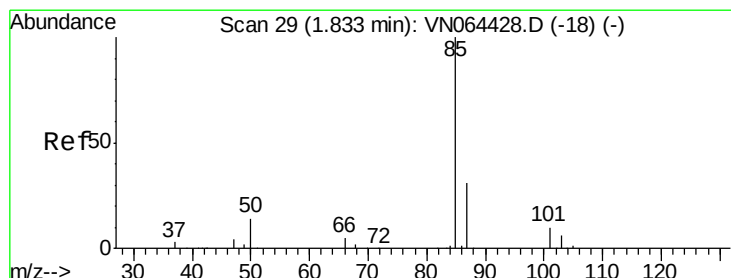
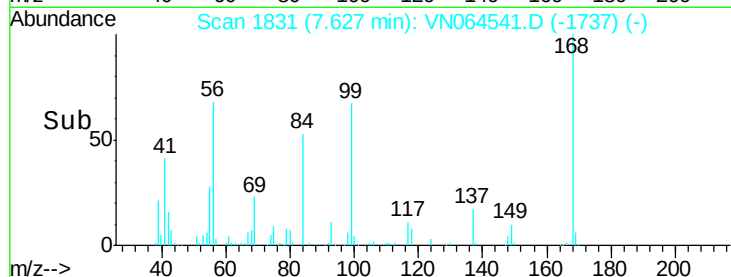
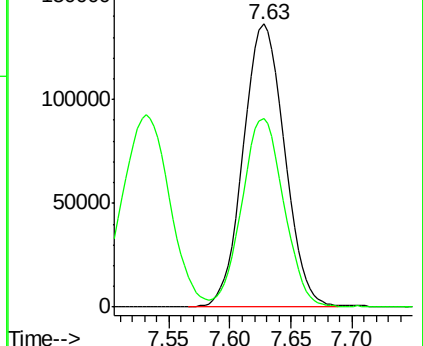
168 100

99 66.1 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.656 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064541.D

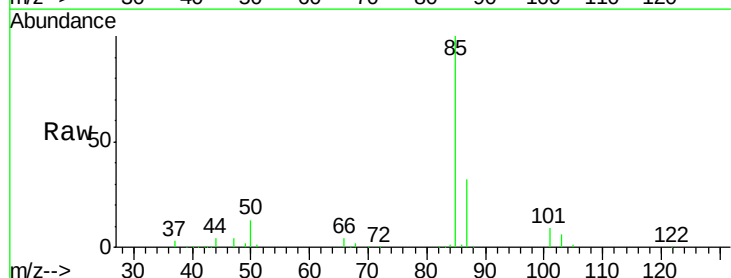
Acq: 10 Nov 2020 21:26

Tgt Ion: 85 Resp: 194717

Ion Ratio Lower Upper

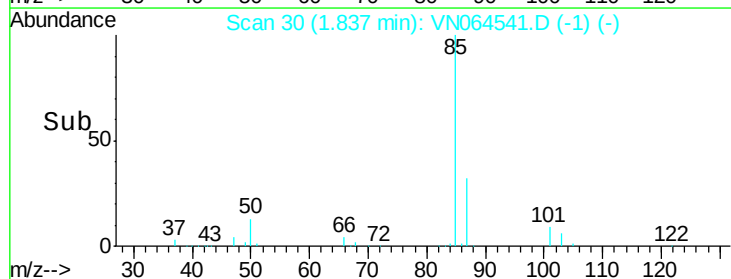
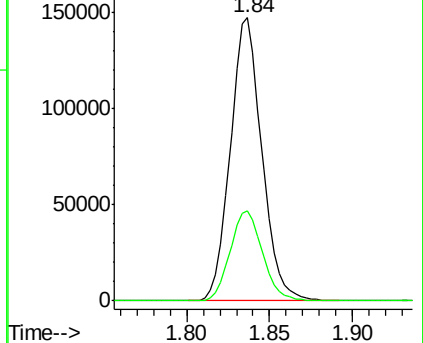
85 100

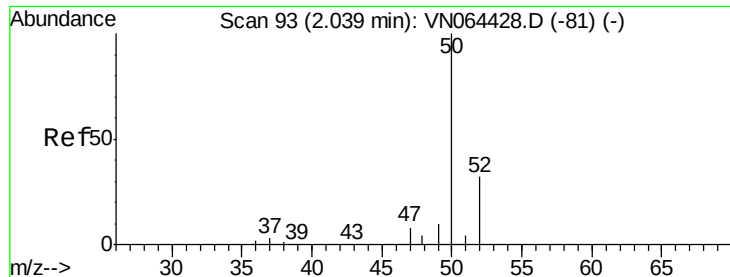
87 31.6 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.688 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

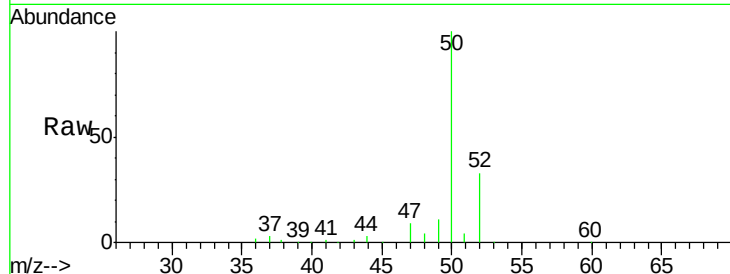
BP-VPB178-GW-498-500MS

Tot Ion: 50 Resp: 226535

Ion Ratio Lower Upper

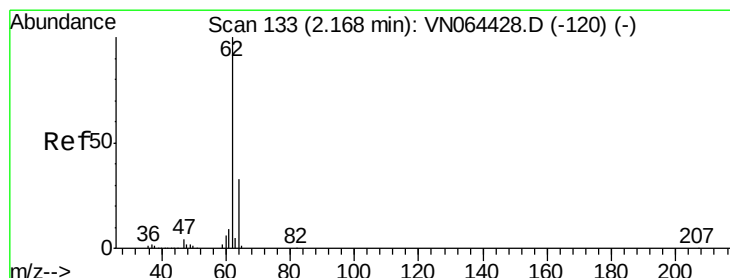
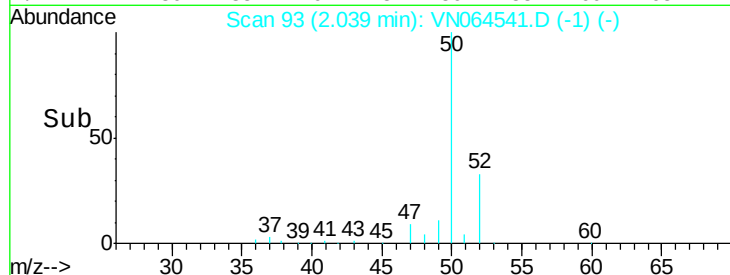
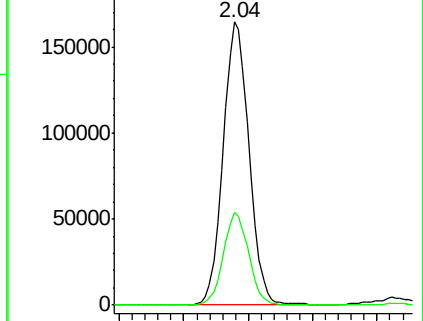
50 100

52 32.8 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 47.236 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064541.D

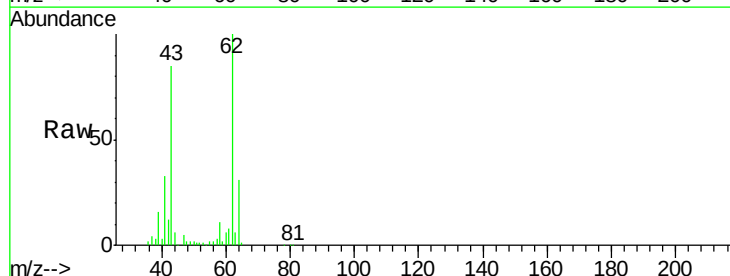
Acq: 10 Nov 2020 21:26

Tgt Ion: 62 Resp: 245895

Ion Ratio Lower Upper

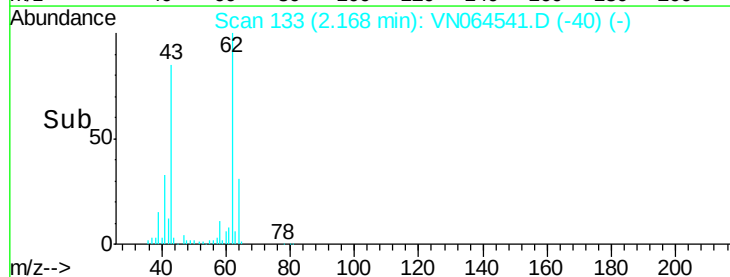
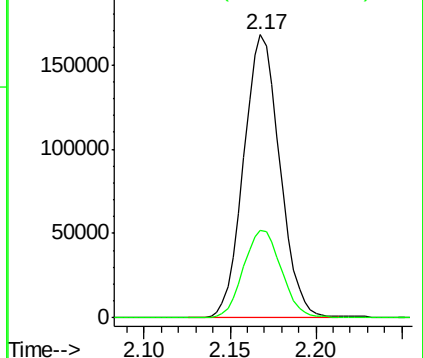
62 100

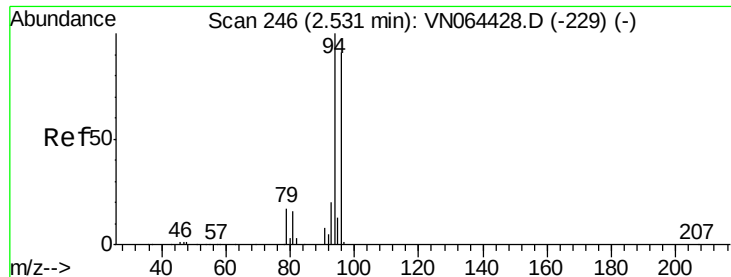
64 30.9 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 46.002 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.00 min

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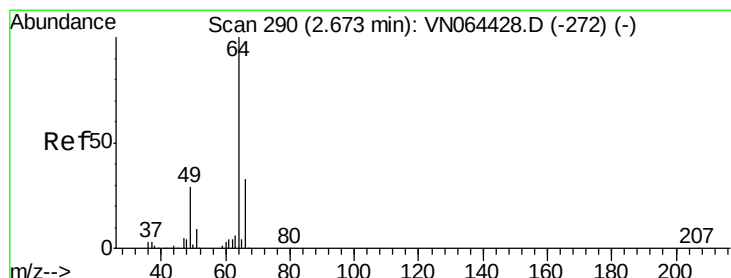
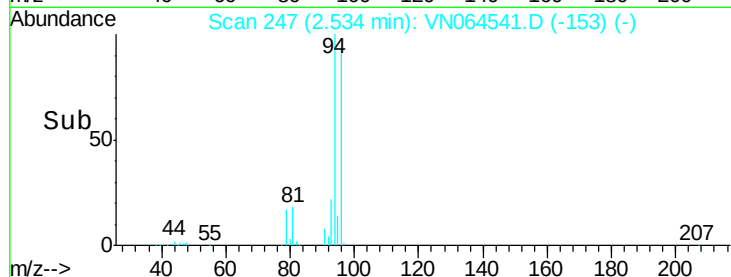
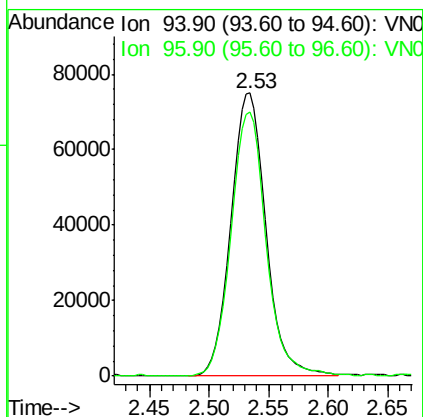
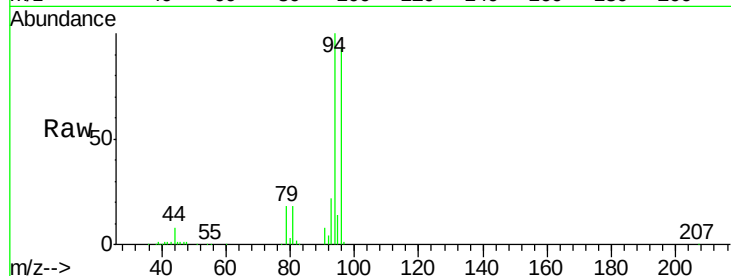
BP-VPB178-GW-498-500MS

Tot Ion: 94 Resp: 152982

Ion Ratio Lower Upper

94 100

96 93.3 73.1 109.7



#6

Chloroethane

Concen: 48.647 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064541.D

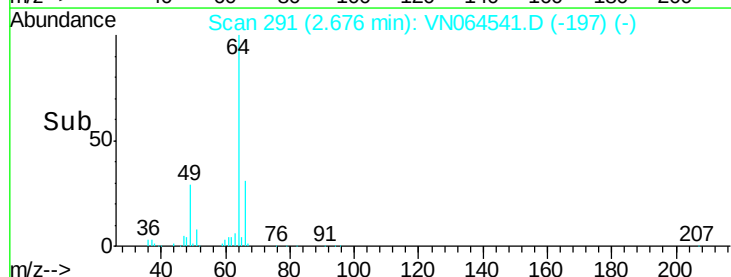
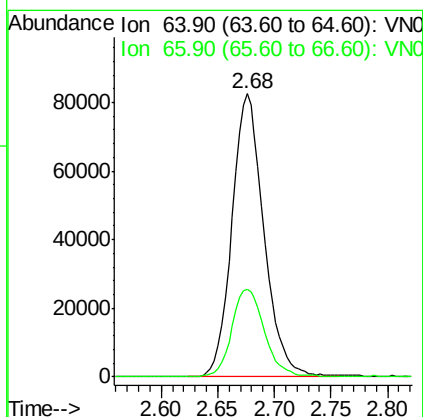
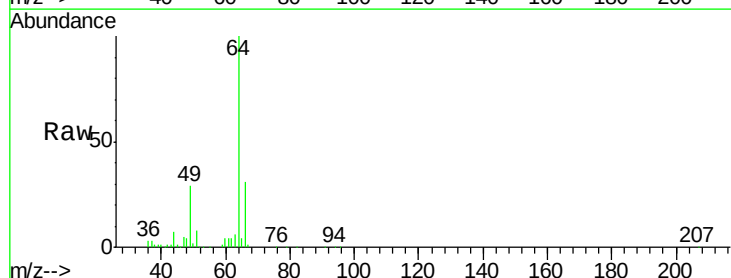
Acq: 10 Nov 2020 21:26

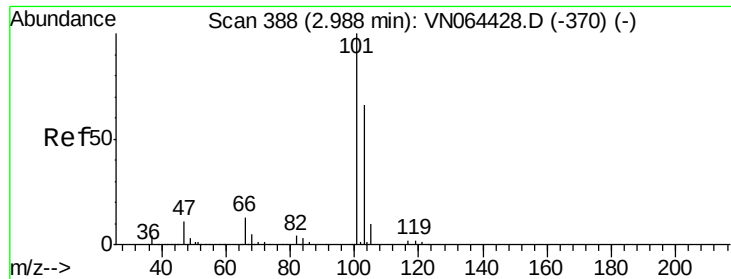
Tgt Ion: 64 Resp: 162135

Ion Ratio Lower Upper

64 100

66 30.8 26.1 39.1



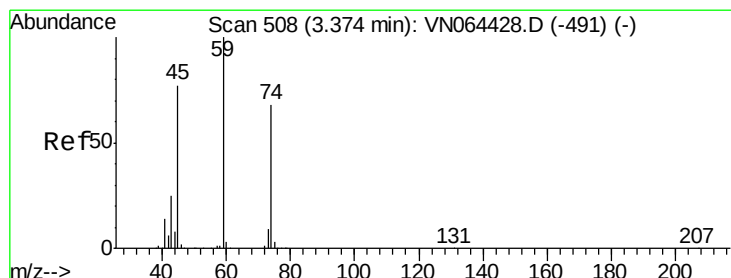
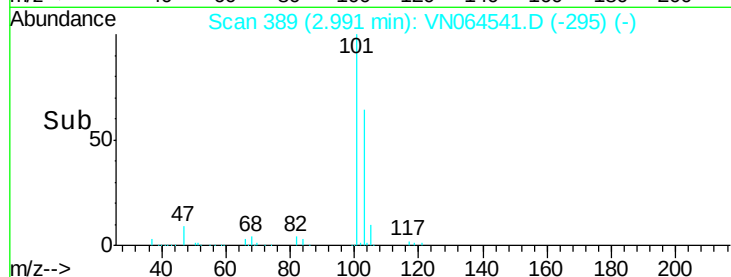
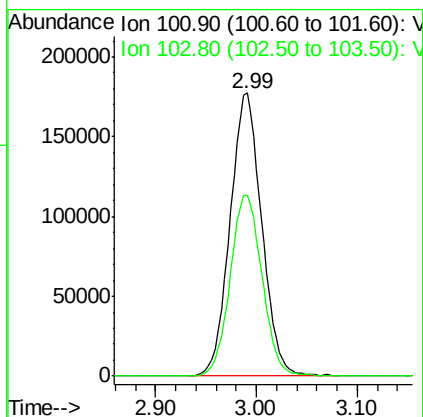
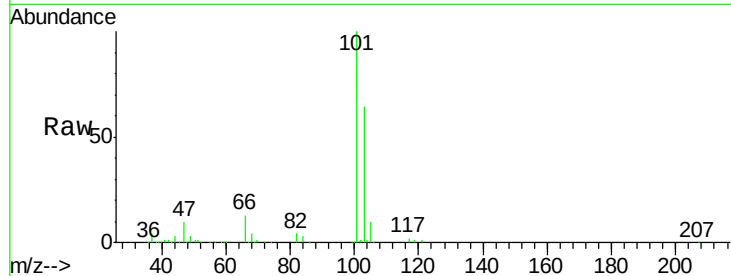


#7

Trichlorofluoromethane
 Concen: 50.395 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN064541.D
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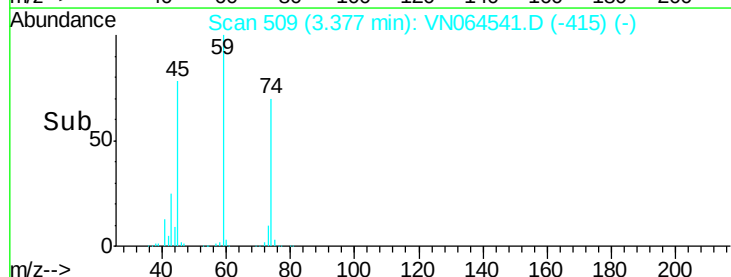
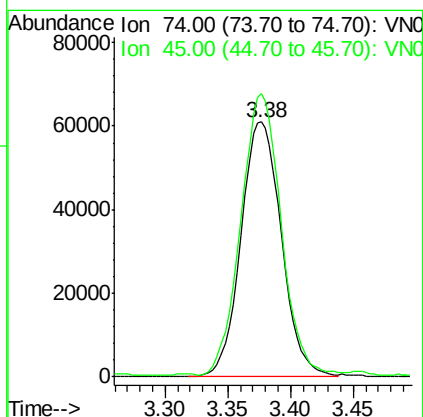
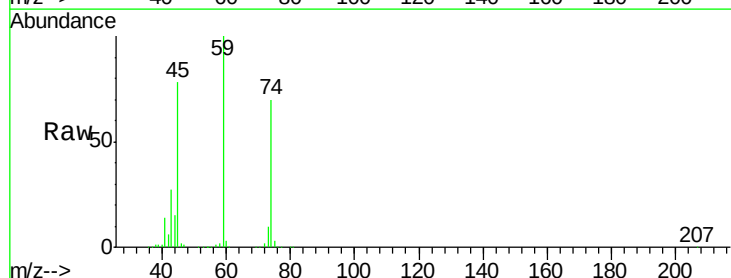
Tot Ion:101 Resp: 386292
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.4 78.6

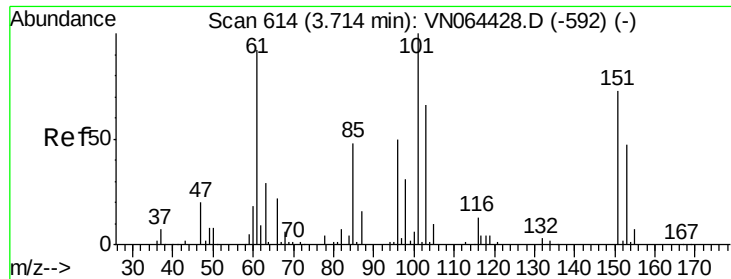


#8

Diethyl Ether
 Concen: 50.559 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion: 74 Resp: 136858
 Ion Ratio Lower Upper
 74 100
 45 109.2 55.9 167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.656 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN064541.D

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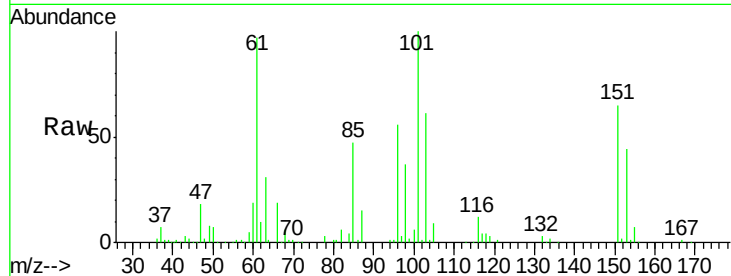
Tot Ion:101 Resp: 177110

Ion Ratio Lower Upper

101 100

85 48.2 38.6 57.8

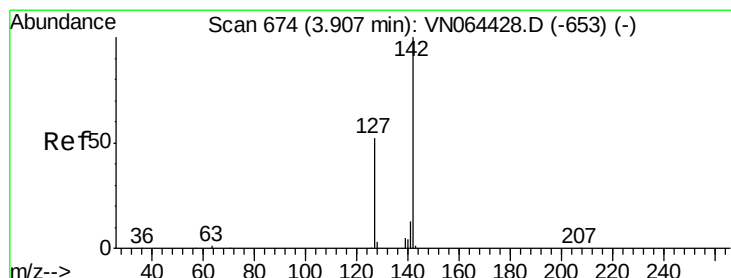
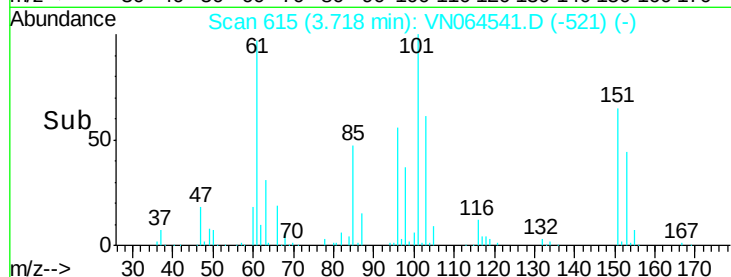
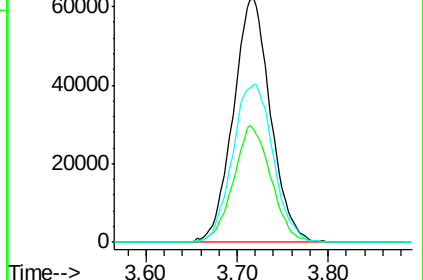
151 70.3 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.739 ug/l

RT: 3.91 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

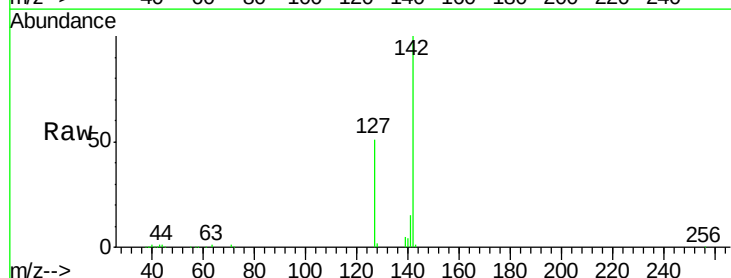
Tgt Ion:142 Resp: 218837

Ion Ratio Lower Upper

142 100

127 51.6 41.8 62.8

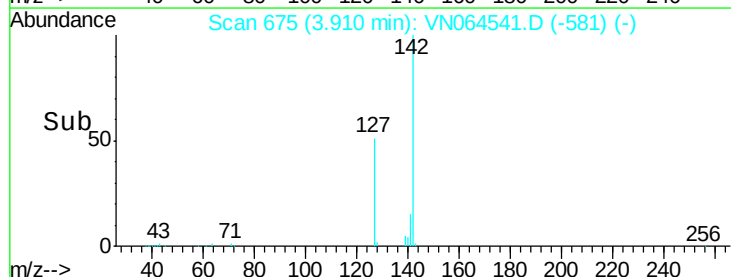
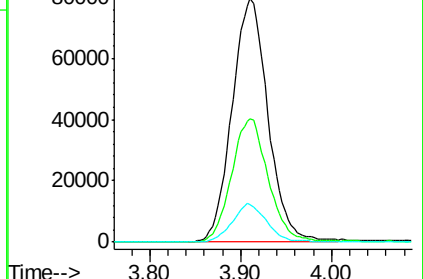
141 15.0 11.4 17.2

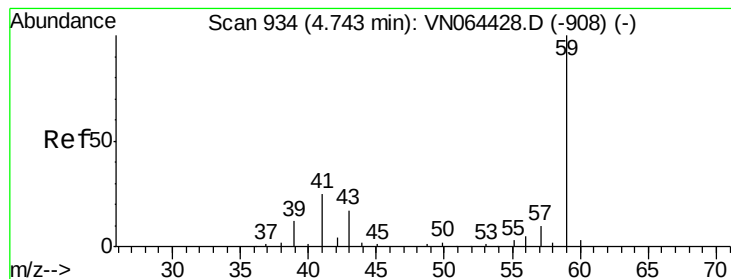


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



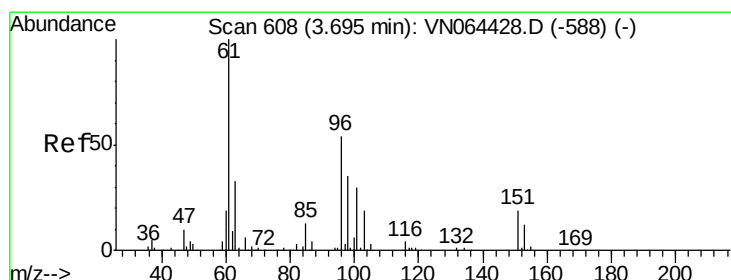
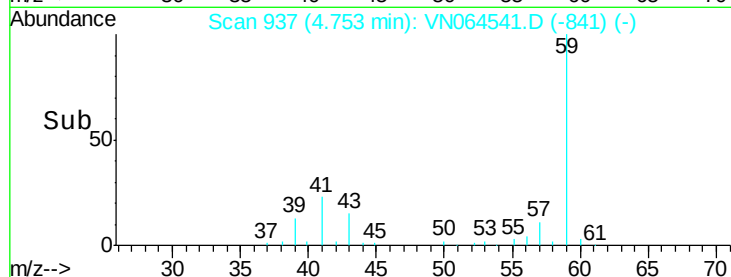
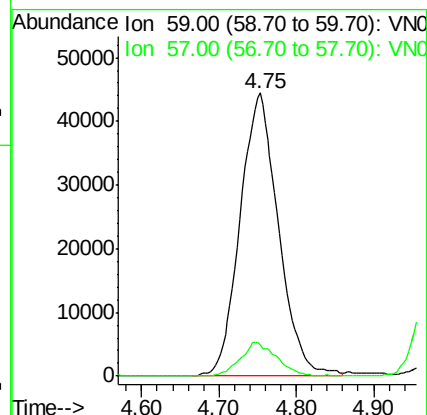
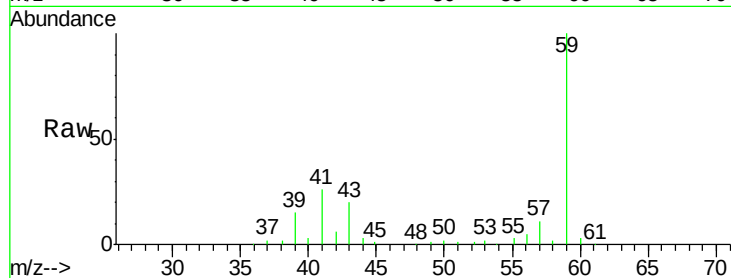


#11

Tert butyl alcohol
 Concen: 248.857 ug/l
 RT: 4.75 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

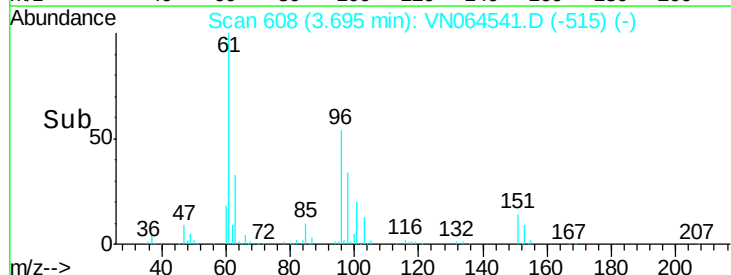
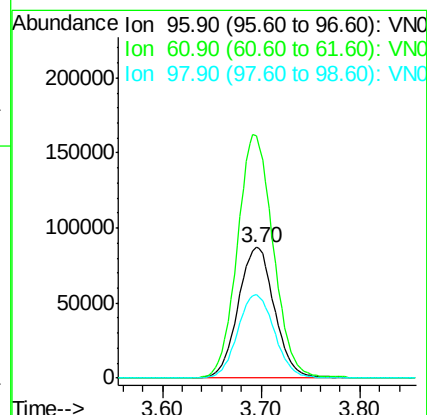
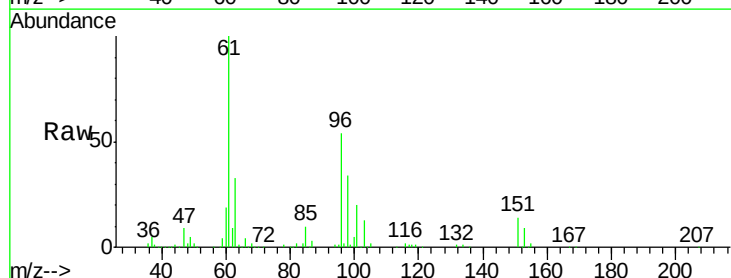
Tot Ion: 59 Resp: 153258
 Ion Ratio Lower Upper
 59 100
 57 11.2 9.0 13.4

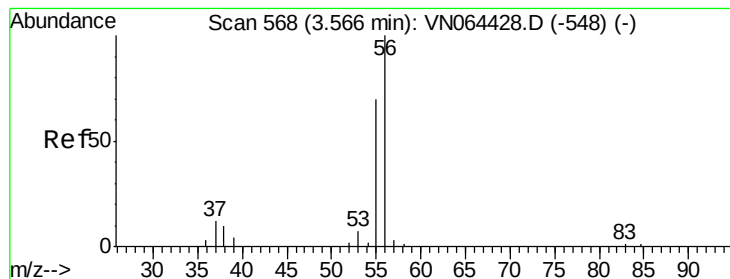


#12

1,1-Dichloroethene
 Concen: 64.918 ug/l
 RT: 3.70 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion: 96 Resp: 222589
 Ion Ratio Lower Upper
 96 100
 61 185.2 149.5 224.3
 98 63.6 52.4 78.6





#13

Acrolein

Concen: 350.675 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

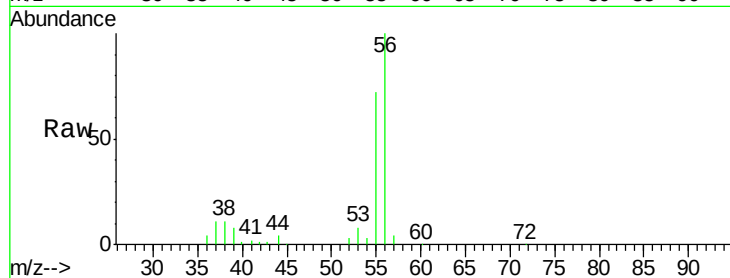
BP-VPB178-GW-498-500MS

Tot Ion: 56 Resp: 133959

Ion Ratio Lower Upper

56 100

55 74.2 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VN064428.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN064428.D (-548) (-)

3.57

60000

50000

40000

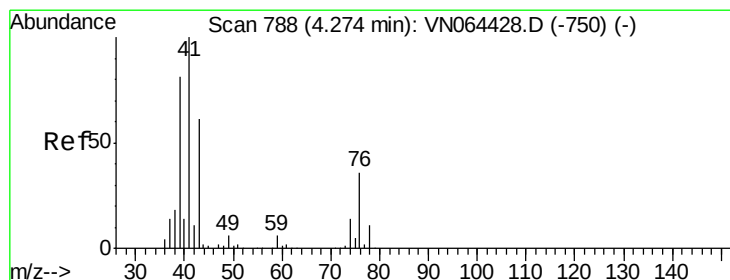
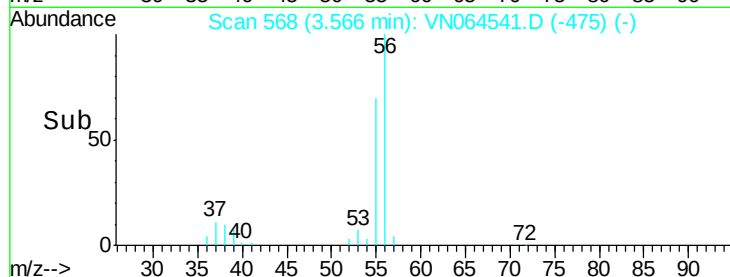
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 46.924 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

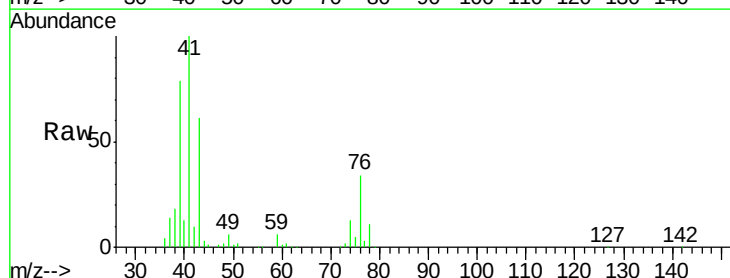
Tgt Ion: 41 Resp: 314738

Ion Ratio Lower Upper

41 100

39 76.9 61.8 92.8

76 30.7 25.4 38.0



Abundance Ion 41.00 (40.70 to 41.70): VN064428.D (-750) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-750) (-)

Ion 75.90 (75.60 to 76.60): VN064428.D (-750) (-)

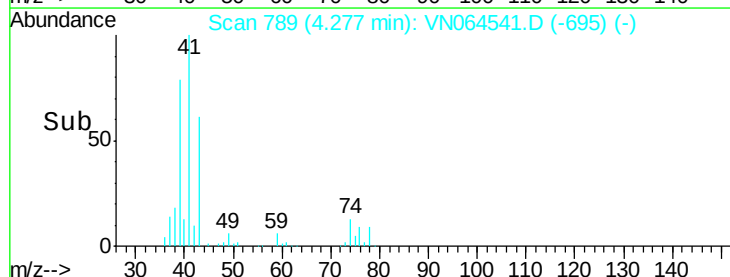
4.28

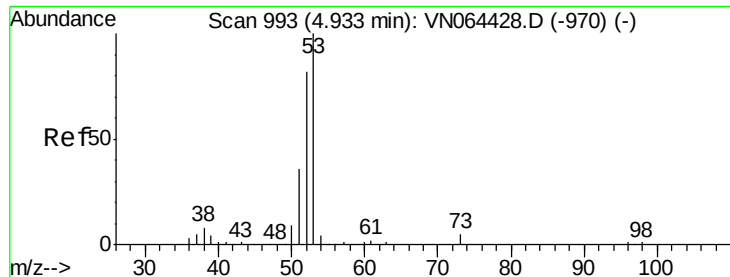
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 262.115 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

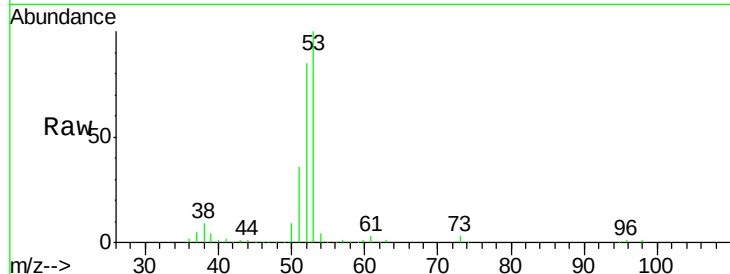
Tot Ion: 53 Resp: 449420

Ion Ratio Lower Upper

53 100

52 83.4 65.6 98.4

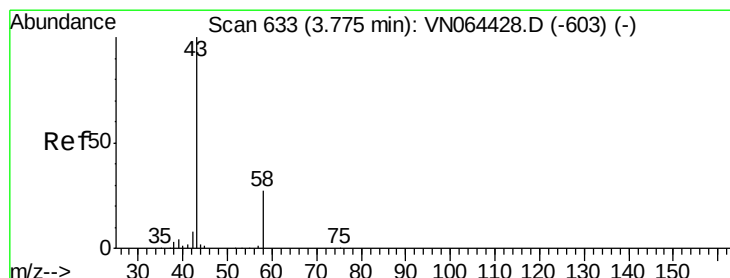
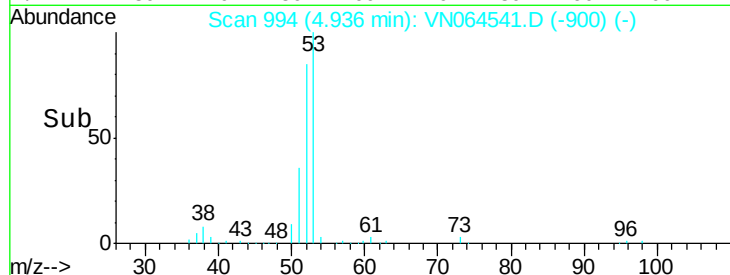
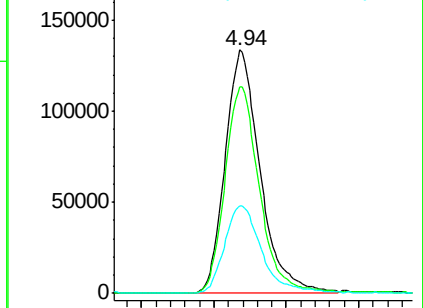
51 38.2 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN064541.D (-900) (-)

Ion 52.00 (51.70 to 52.70): VN064541.D (-900) (-)

Ion 51.00 (50.70 to 51.70): VN064541.D (-900) (-)



#16

Acetone

Concen: 198.558 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064541.D

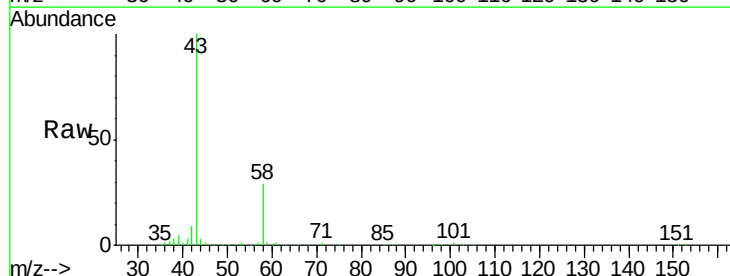
Acq: 10 Nov 2020 21:26

Tgt Ion: 43 Resp: 422376

Ion Ratio Lower Upper

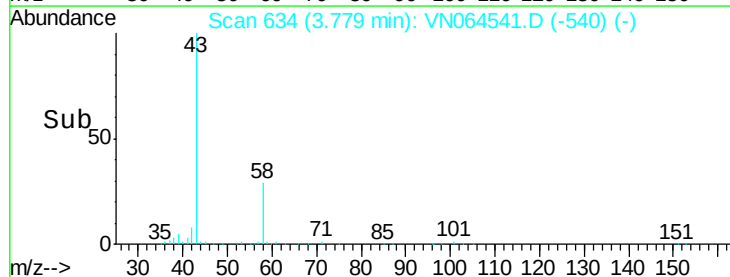
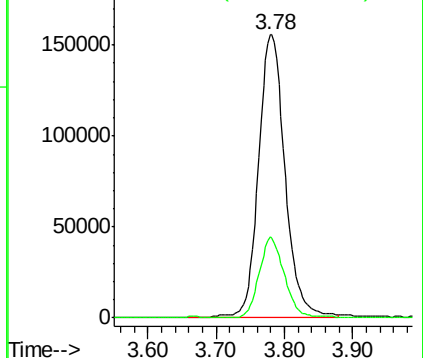
43 100

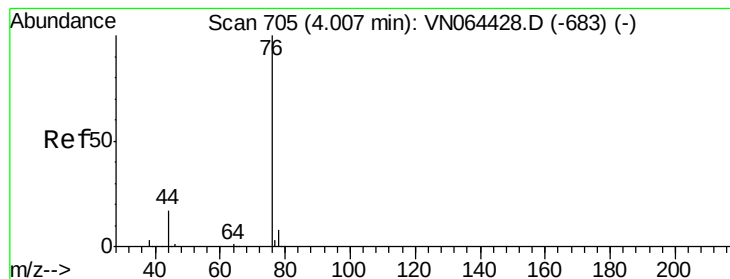
58 28.3 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN064541.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN064541.D (-540) (-)





#17

Carbon Disulfide

Concen: 47.610 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

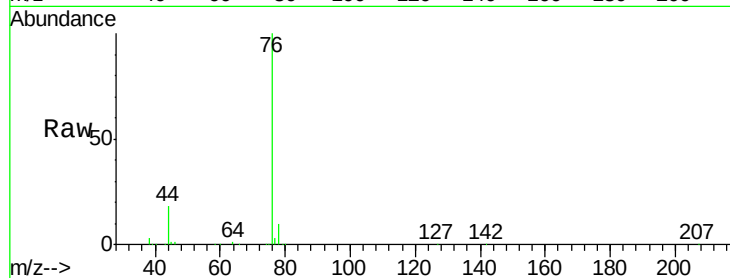
BP-VPB178-GW-498-500MS

Tot Ion: 76 Resp: 488186

Ion Ratio Lower Upper

76 100

78 9.5 6.8 10.2



Abundance Ion 75.90 (75.60 to 76.60): VN064541.D (-612) (-)

Ion 77.90 (77.60 to 78.60): VN064541.D (-612) (-)

4.01

200000

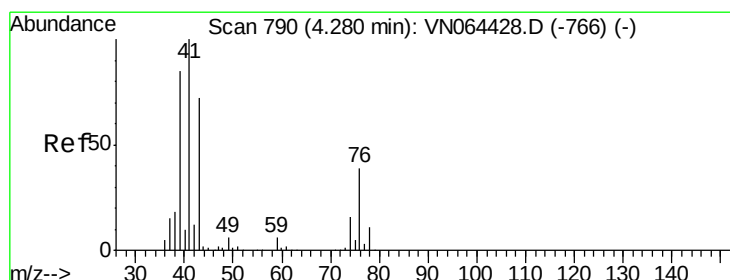
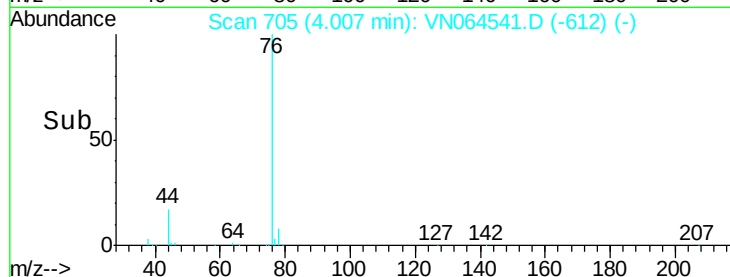
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.320 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN064541.D

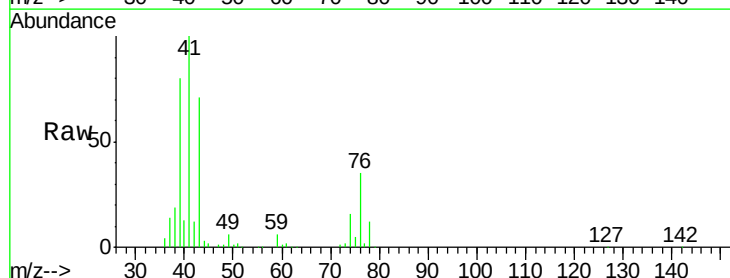
Acq: 10 Nov 2020 21:26

Tgt Ion: 43 Resp: 202078

Ion Ratio Lower Upper

43 100

74 21.5 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN064541.D (-697) (-)

Ion 74.00 (73.70 to 74.70): VN064541.D (-697) (-)

4.28

80000

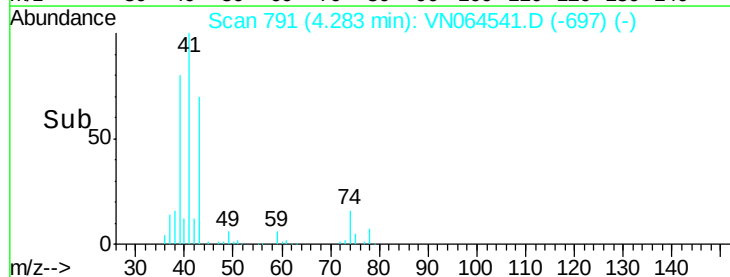
60000

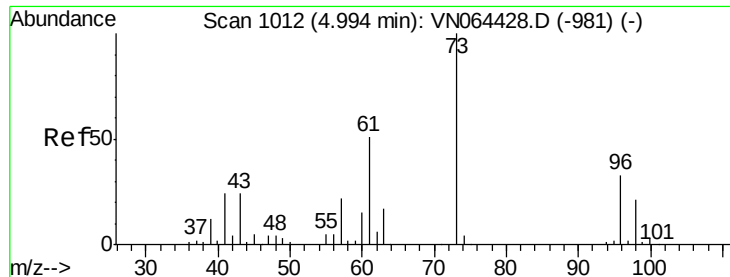
40000

20000

0

Time-->

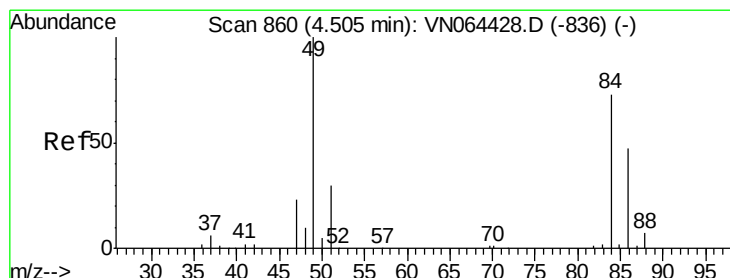
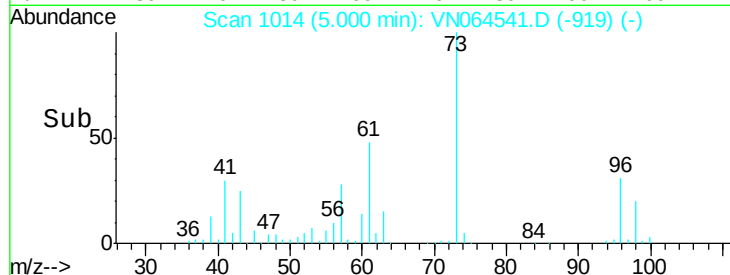
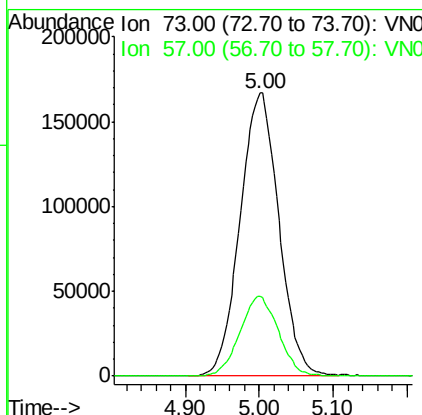
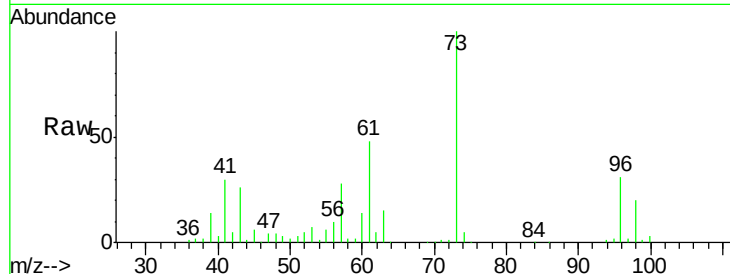




#19
Methvl tert-butvl Ether
Concen: 49.605 ug/l
RT: 5.00 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

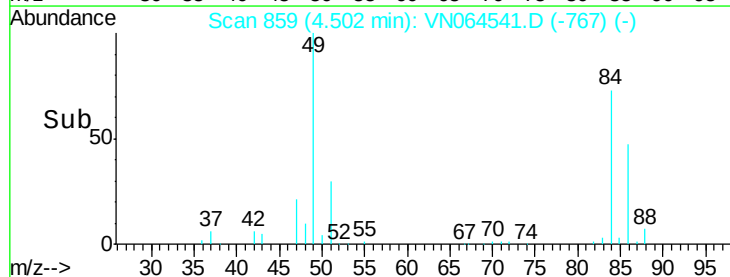
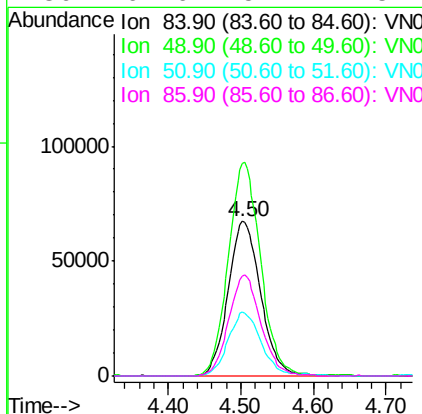
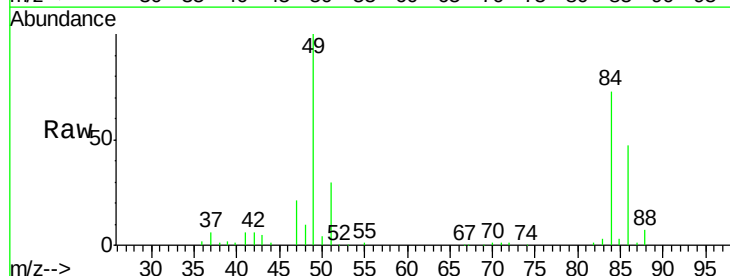
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

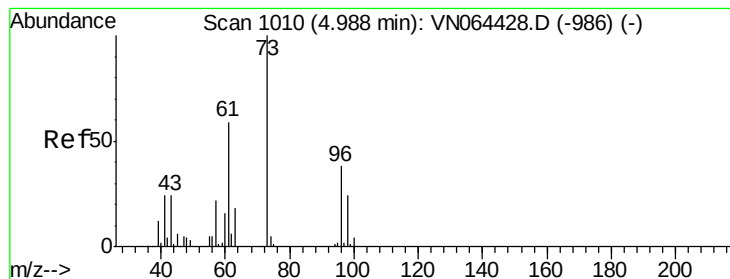
Tot Ion: 73 Resp: 612156
Ion Ratio Lower Upper
73 100
57 28.4 17.7 26.5#



#20
Methylene Chloride
Concen: 49.934 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion: 84 Resp: 210749
Ion Ratio Lower Upper
84 100
49 137.3 110.1 165.1
51 41.5 33.6 50.4
86 64.6 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 47.987 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

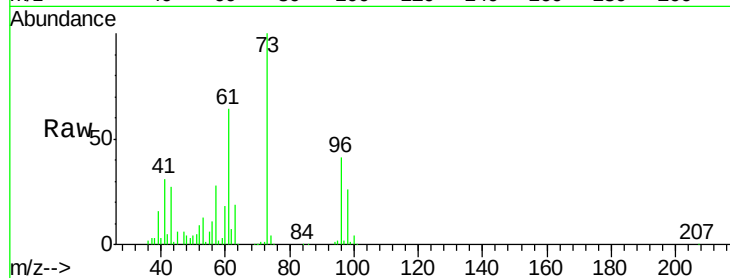
Tot Ion: 96 Resp: 186820

Ion Ratio Lower Upper

96 100

61 154.5 122.4 183.6

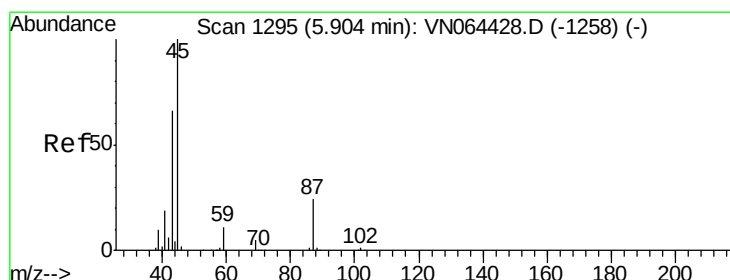
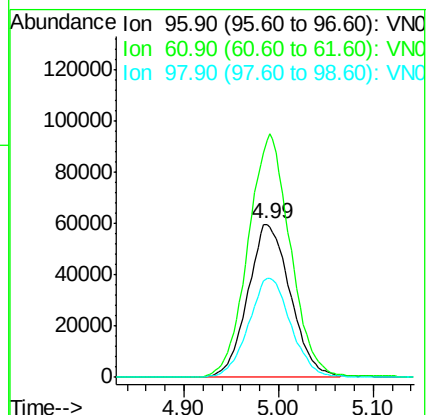
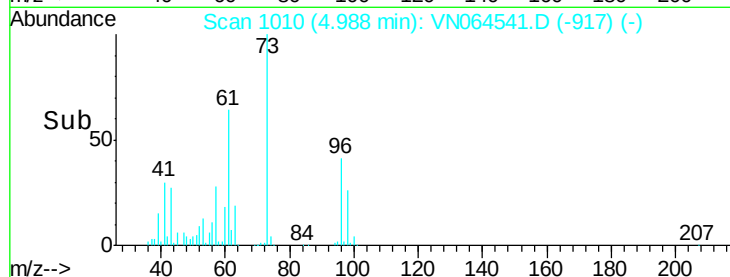
98 64.4 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VN064541.D (-917) (-)

Ion 60.90 (60.60 to 61.60): VN064541.D (-917) (-)

Ion 97.90 (97.60 to 98.60): VN064541.D (-917) (-)



#22

Diisopropyl ether

Concen: 51.256 ug/l

RT: 5.91 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Tgt Ion: 45 Resp: 729786

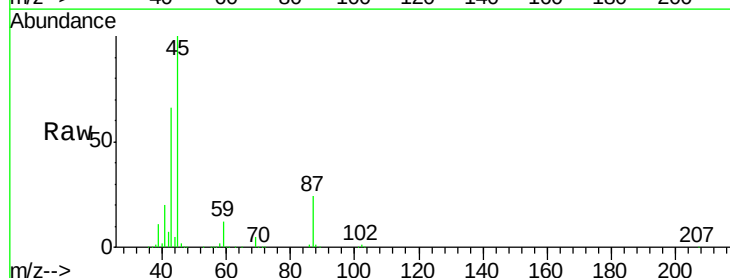
Ion Ratio Lower Upper

45 100

43 64.9 53.2 79.8

87 24.3 19.9 29.9

59 11.6 8.6 13.0

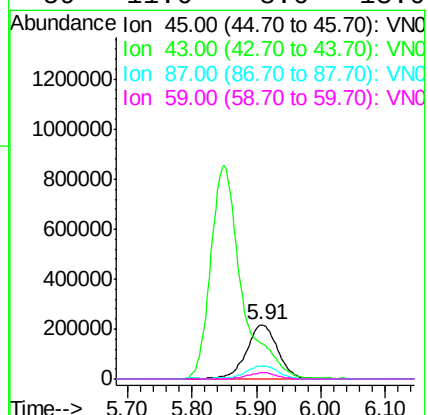
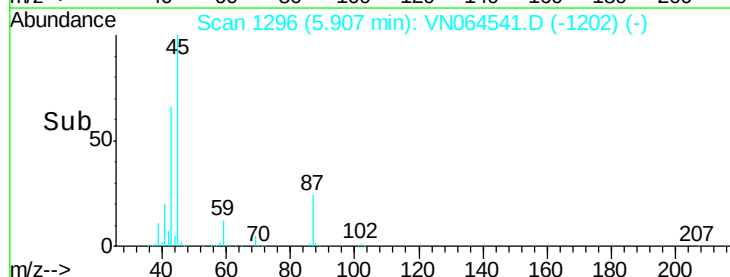


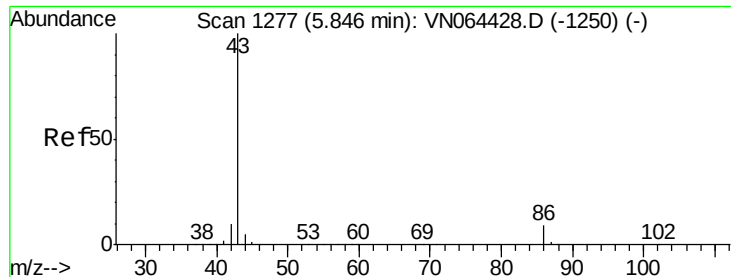
Abundance Ion 45.00 (44.70 to 45.70): VN064541.D (-1202) (-)

Ion 43.00 (42.70 to 43.70): VN064541.D (-1202) (-)

Ion 87.00 (86.70 to 87.70): VN064541.D (-1202) (-)

Ion 59.00 (58.70 to 59.70): VN064541.D (-1202) (-)





#23

Vinyl Acetate

Concen: 247.545 ug/l

RT: 5.85 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

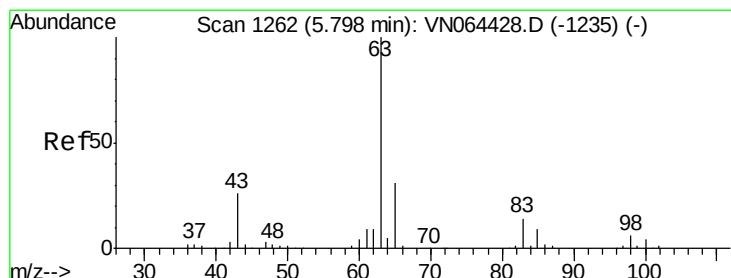
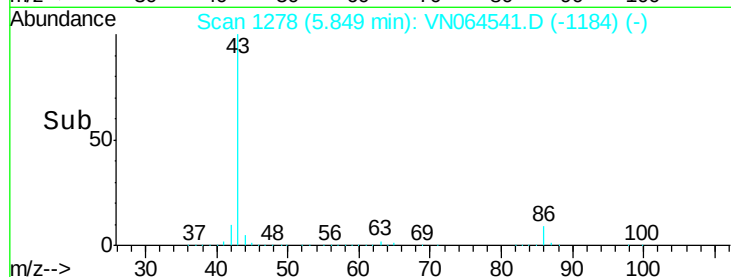
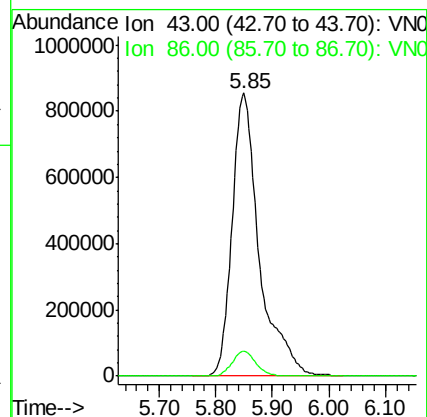
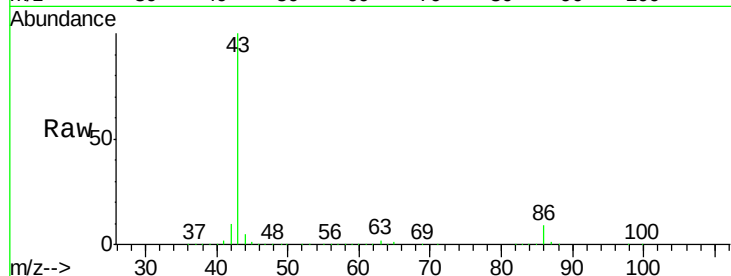
BP-VPB178-GW-498-500MS

Tot Ion: 43 Resp: 2867235

Ion Ratio Lower Upper

43 100

86 9.0 6.8 10.2



#24

1,1-Dichloroethane

Concen: 74.040 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

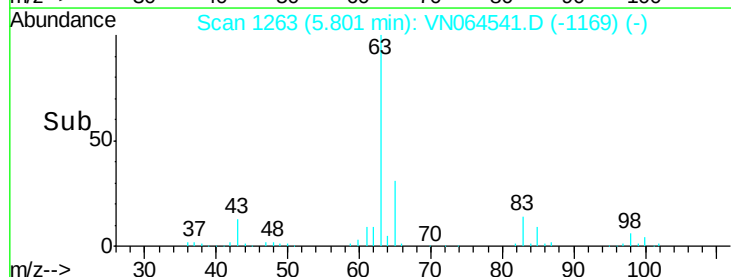
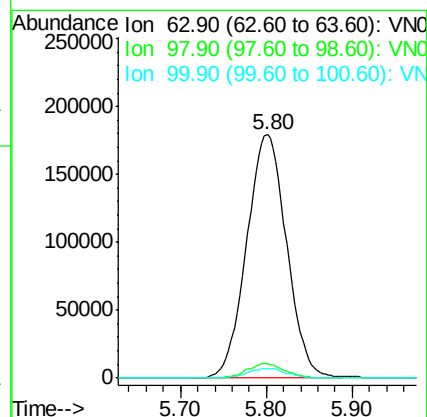
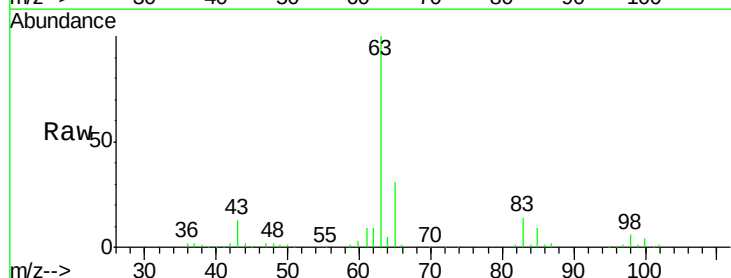
Tgt Ion: 63 Resp: 579280

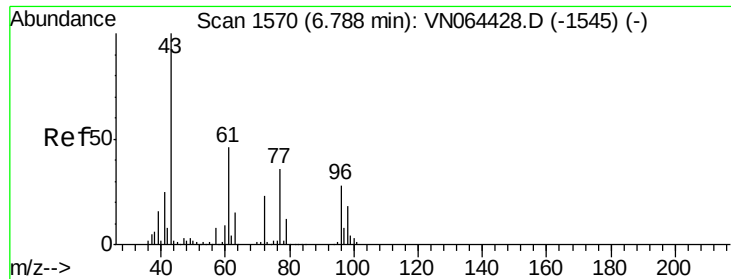
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.8 1.8 5.3

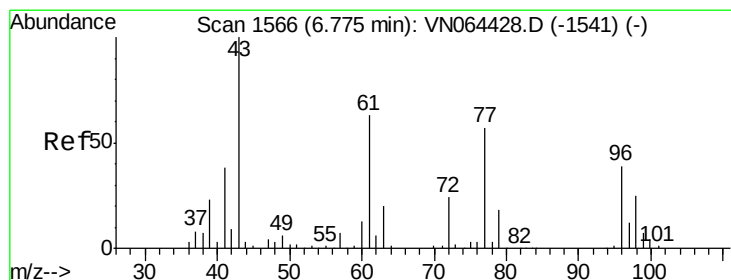
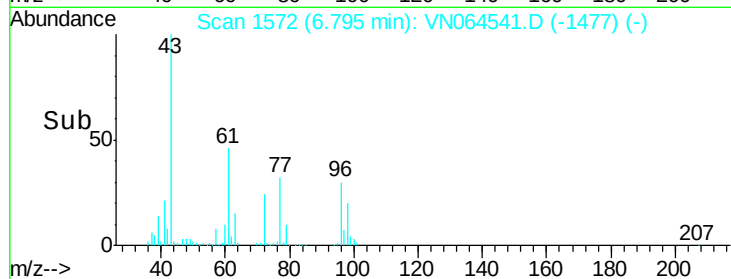
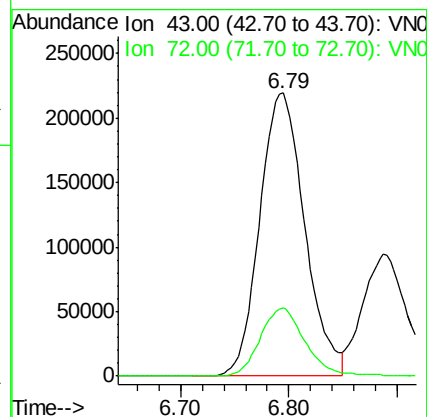
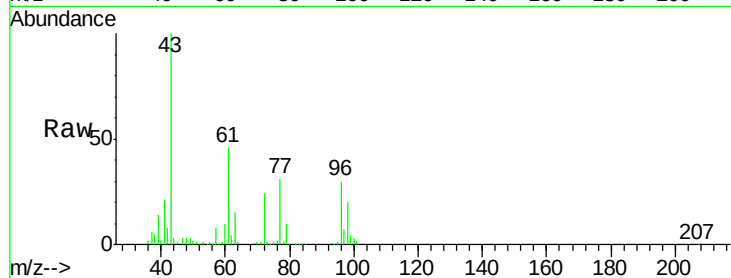




#25
2-Butanone
Concen: 233.399 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

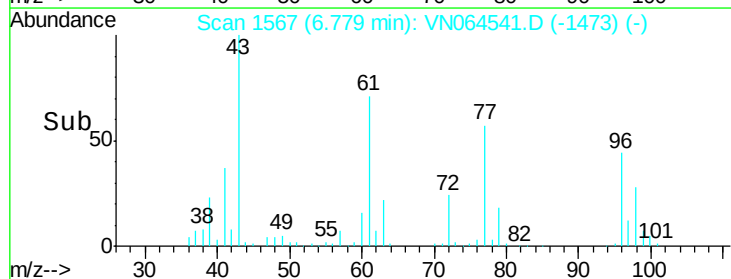
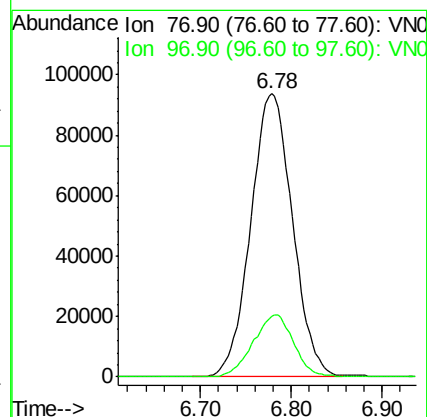
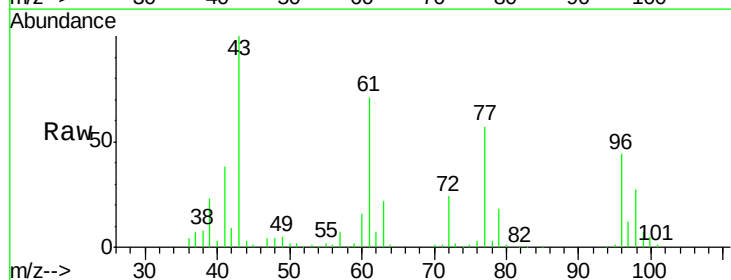
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

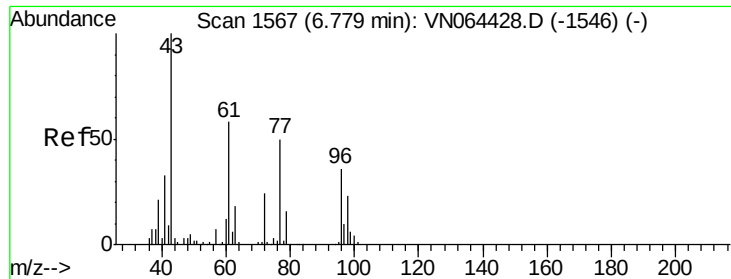
Tot Ion: 43 Resp: 632600
Ion Ratio Lower Upper
43 100
72 24.4 18.5 27.7



#26
2,2-Dichloropropane
Concen: 42.138 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion: 77 Resp: 298446
Ion Ratio Lower Upper
77 100
97 21.2 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 48.727 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

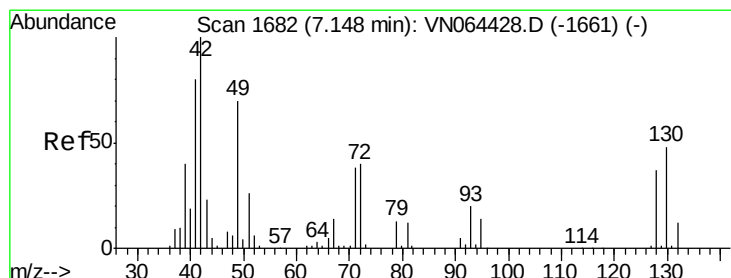
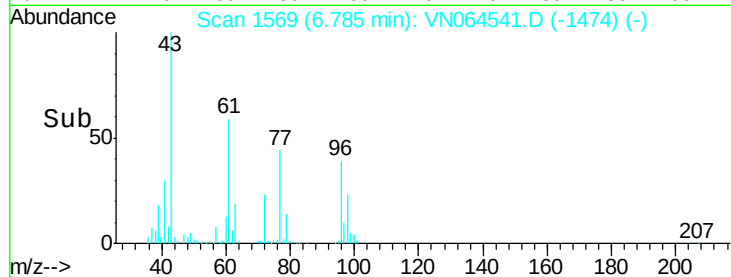
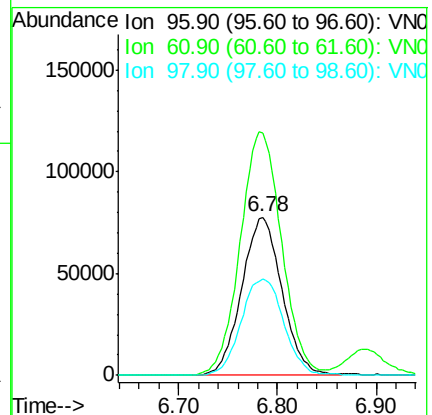
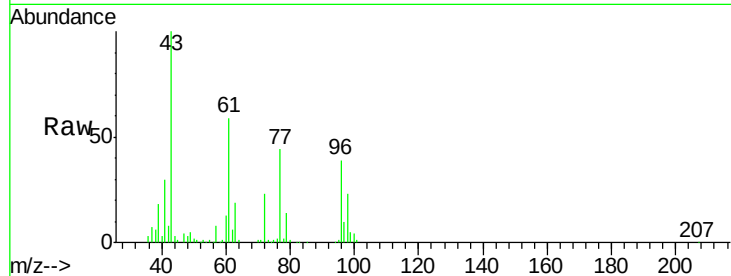
Tot Ion: 96 Resp: 219818

Ion Ratio Lower Upper

96 100

61 158.3 0.0 329.6

98 64.3 0.0 131.2



#28

Bromochloromethane

Concen: 46.728 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

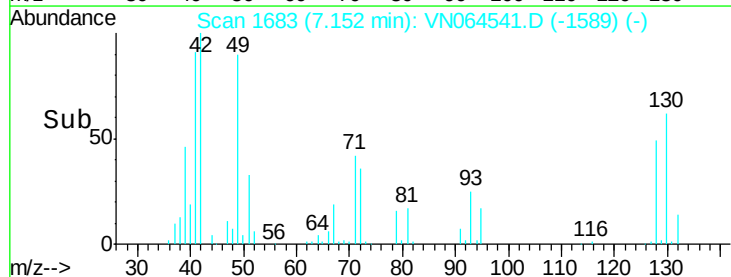
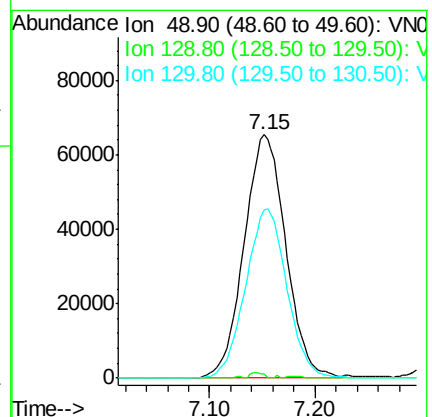
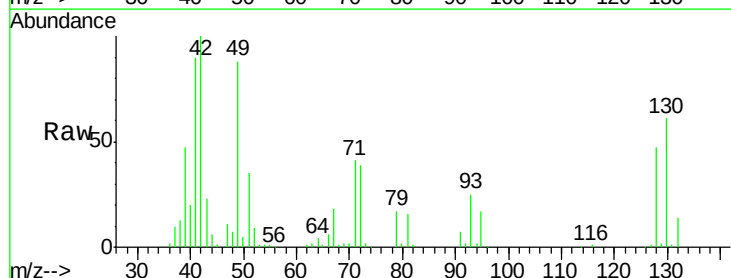
Tgt Ion: 49 Resp: 179702

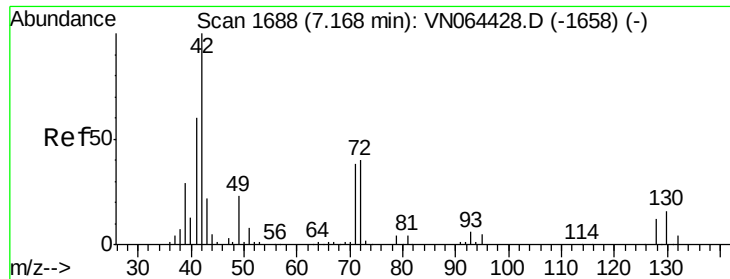
Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.6

130 69.0 54.2 81.4

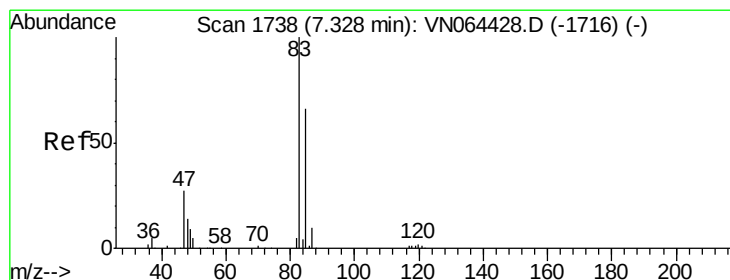
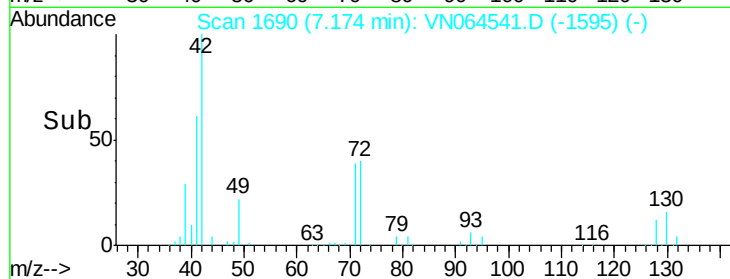
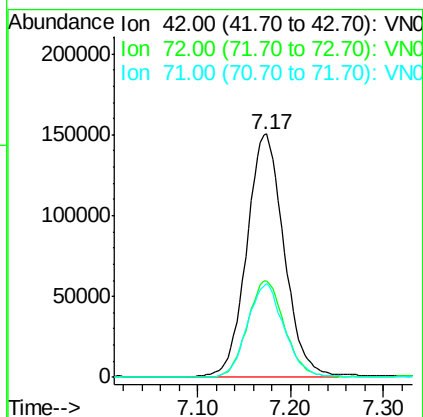
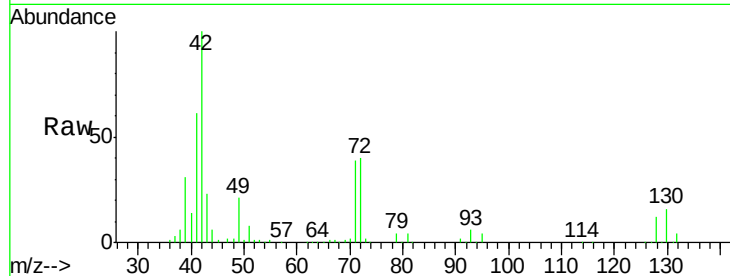




#29
Tetrahydrofuran
Concen: 251.929 ug/l
RT: 7.17 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

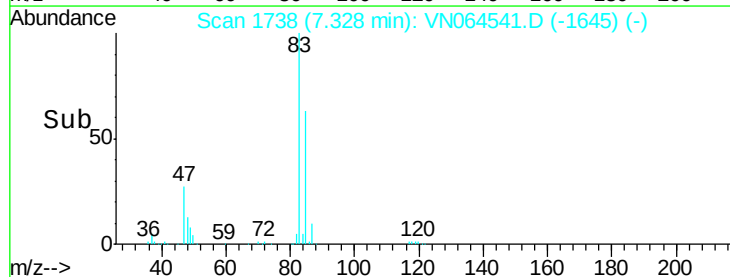
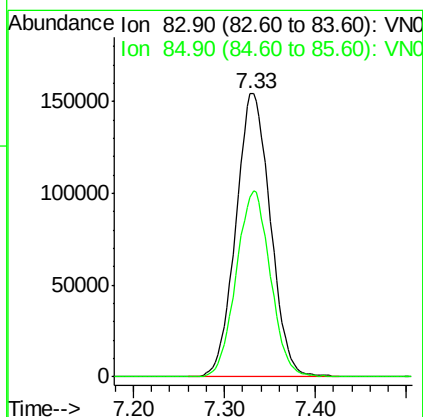
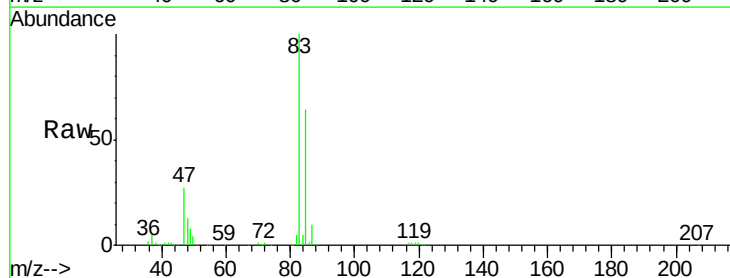
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

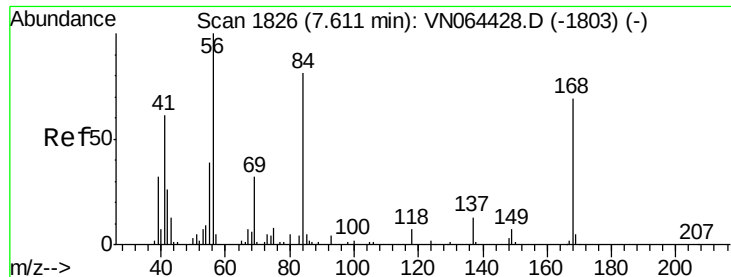
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.7	47.5
71	38.3	29.8	44.6



#30
Chloroform
Concen: 49.528 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.5	78.7





#31

Cyclohexane

Concen: 45.044 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

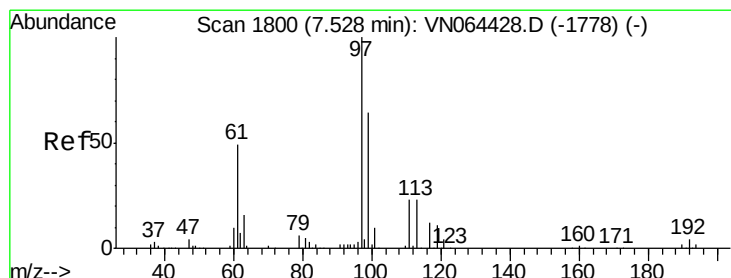
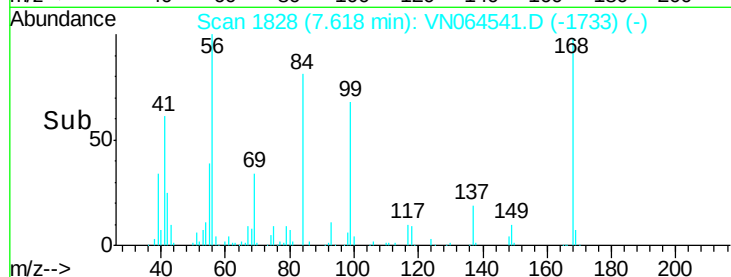
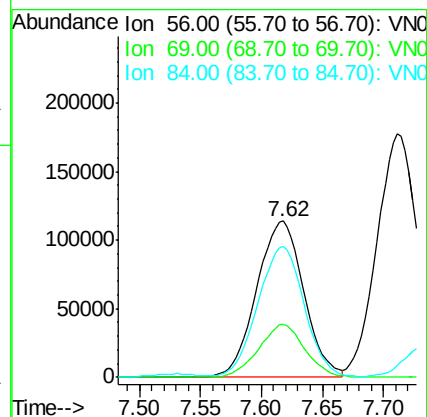
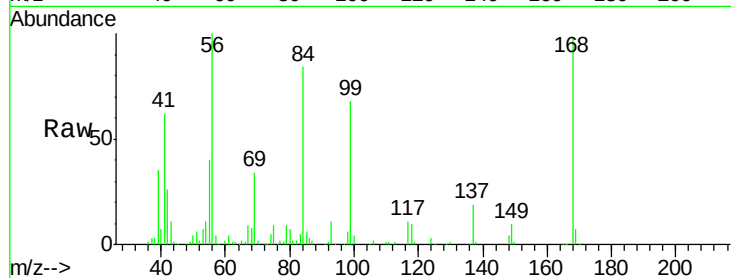
Tot Ion: 56 Resp: 305783

Ion Ratio Lower Upper

56 100

69 33.5 25.6 38.4

84 82.3 63.0 94.6



#32

1,1,1-Trichloroethane

Concen: 53.763 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

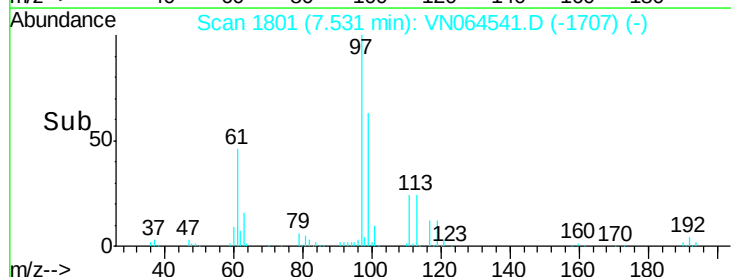
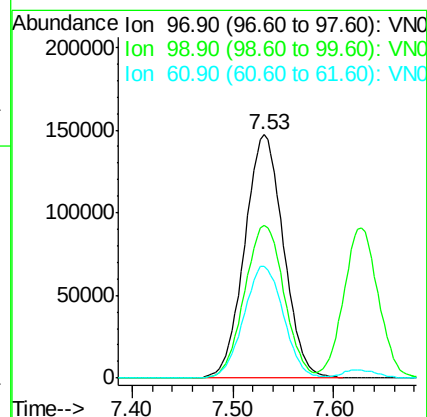
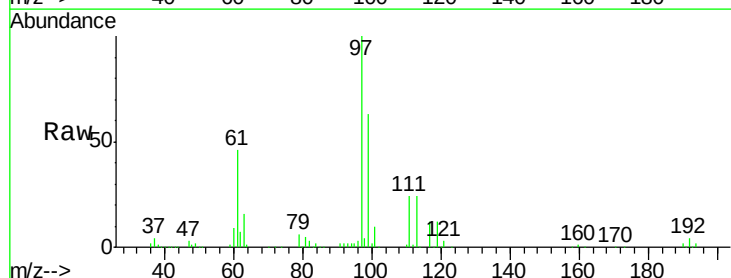
Tgt Ion: 97 Resp: 392165

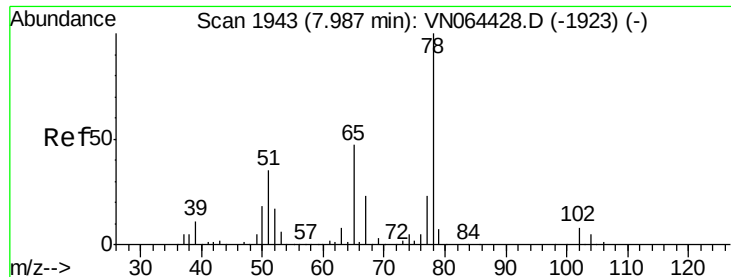
Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 47.1 39.1 58.7

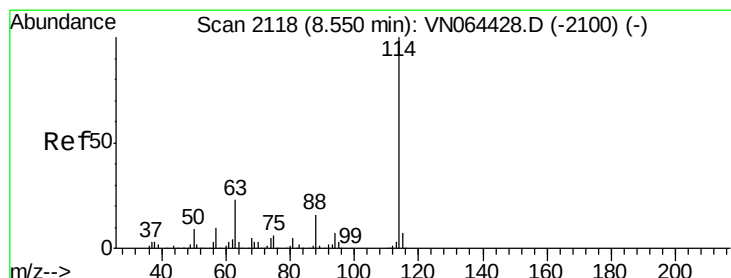
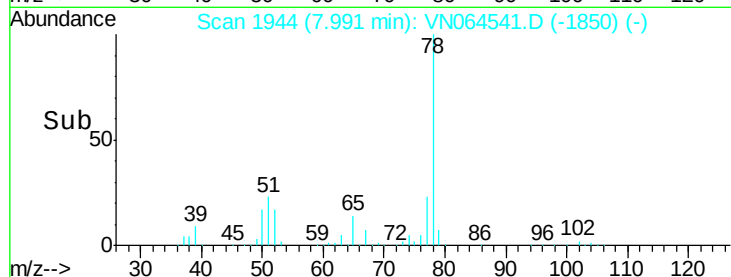
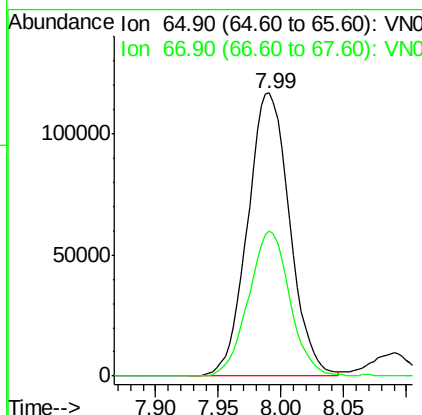
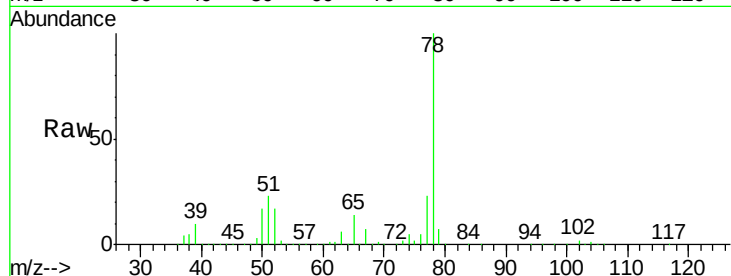




#33
 1,2-Dichloroethane-d4
 Concen: 48.933 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

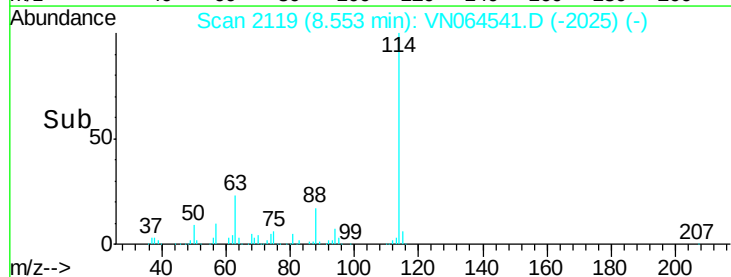
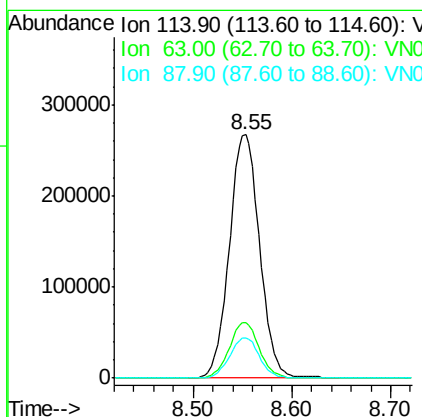
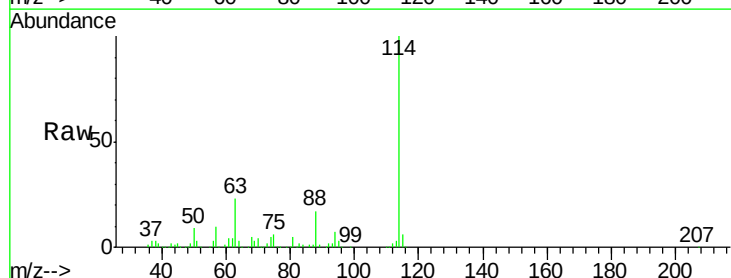
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

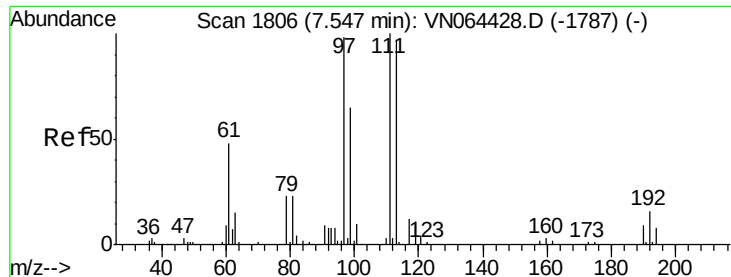
Tot Ion: 65 Resp: 273265
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion: 114 Resp: 570964
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.6
 88 16.7 0.0 32.8

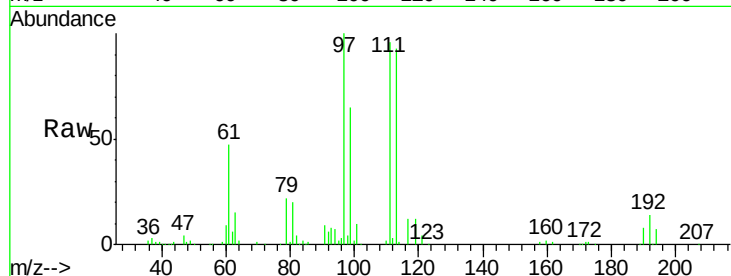




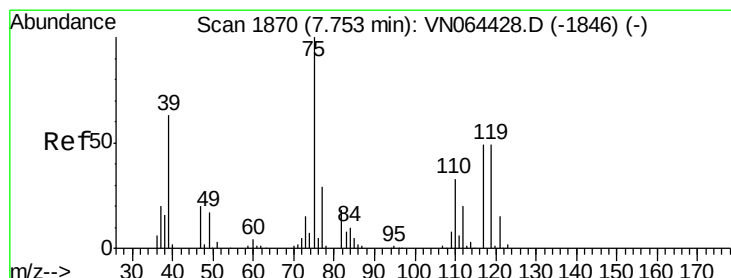
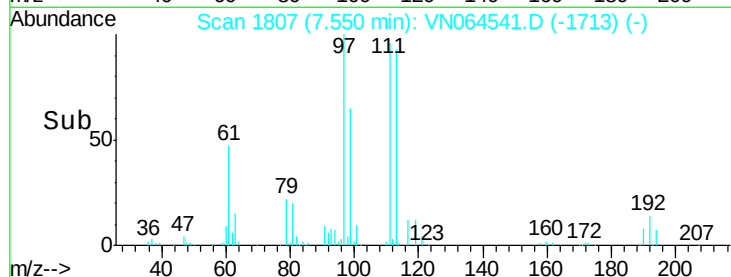
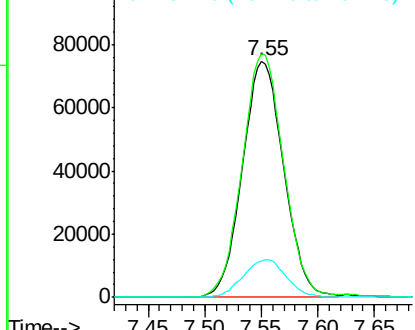
#35
 Dibromofluoromethane
 Concen: 48.860 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

Tot Ion:113 Resp: 189944
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.1 121.7
 192 16.5 12.8 19.2

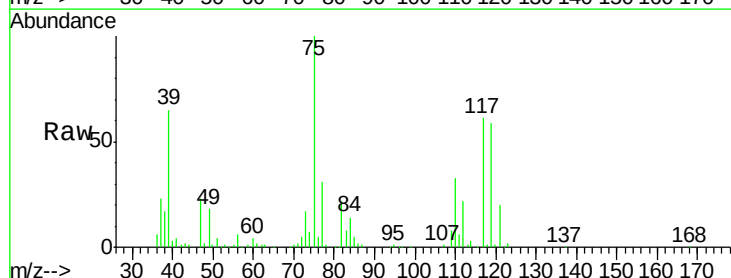


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

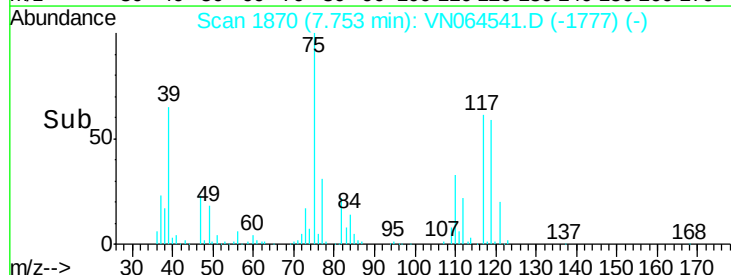
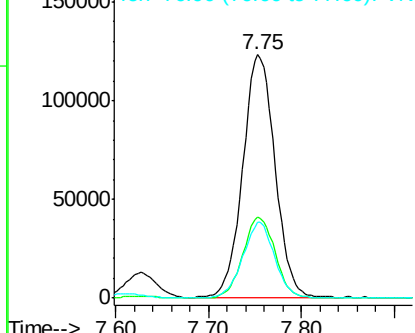


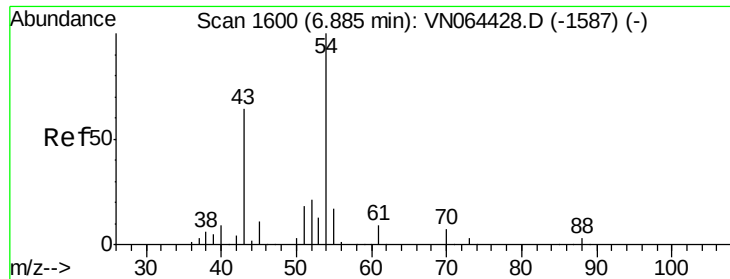
#36
 1,1-Dichloropropene
 Concen: 49.127 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion: 75 Resp: 296327
 Ion Ratio Lower Upper
 75 100
 110 33.3 16.0 48.0
 77 31.0 24.0 36.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

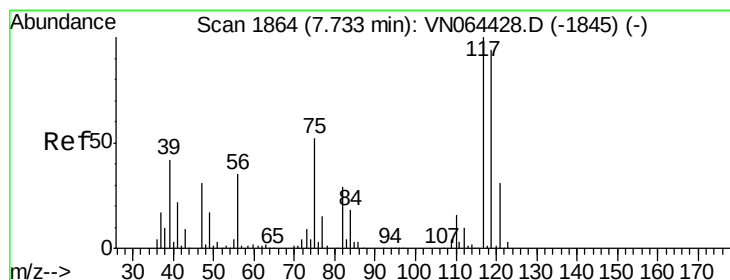
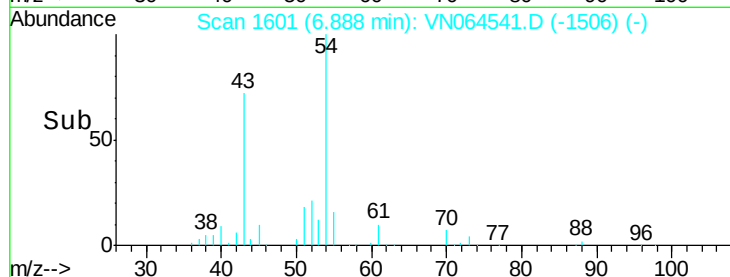
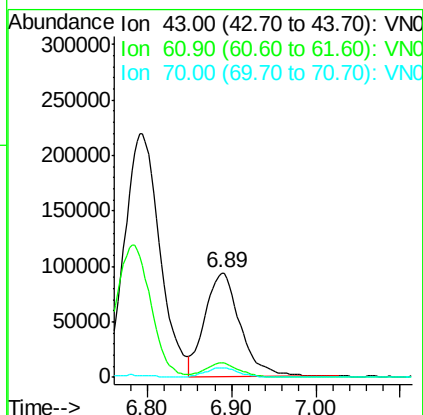
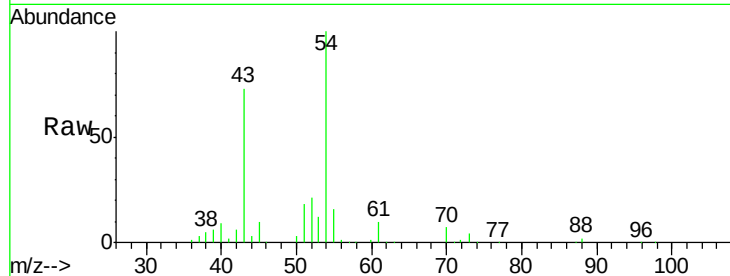




#37
Ethyl Acetate
Concen: 44.694 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

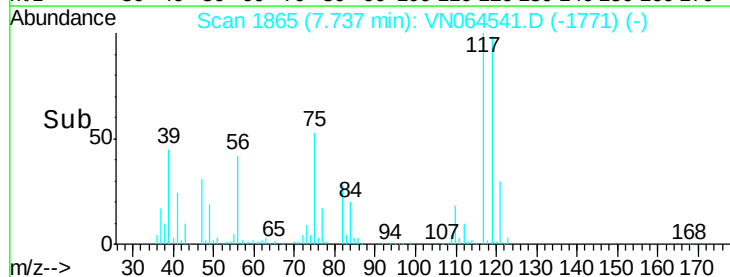
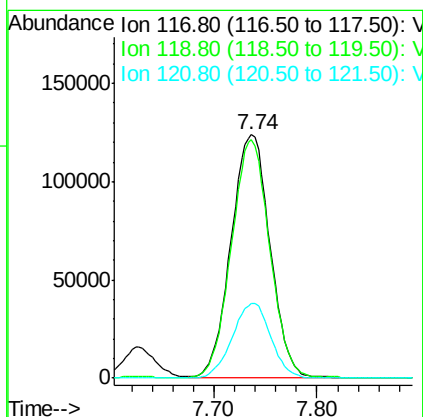
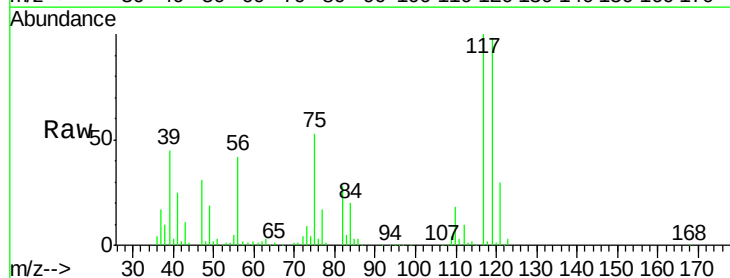
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

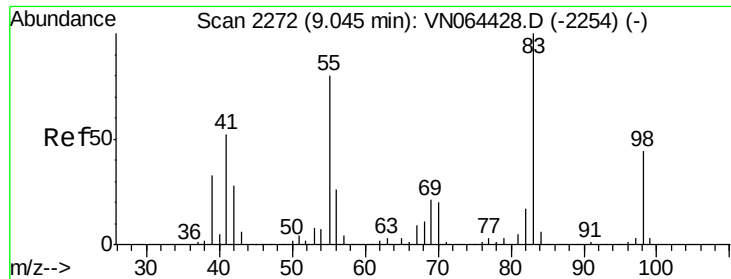
Tot Ion: 43 Resp: 273109
Ion Ratio Lower Upper
43 100
61 12.3 10.0 15.0
70 8.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 50.278 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion: 117 Resp: 324119
Ion Ratio Lower Upper
117 100
119 97.7 75.5 113.3
121 30.5 24.4 36.6

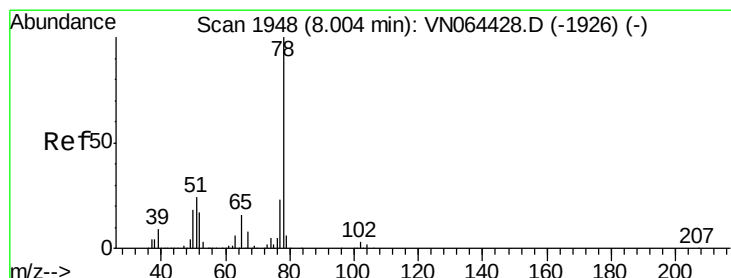
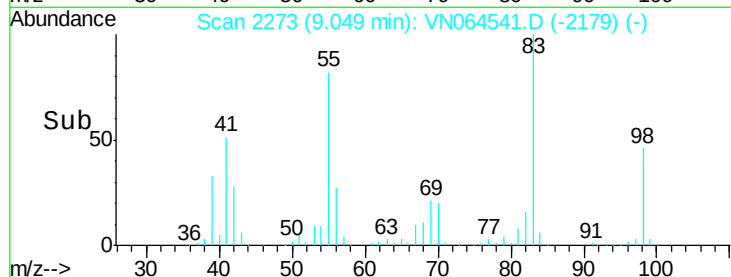
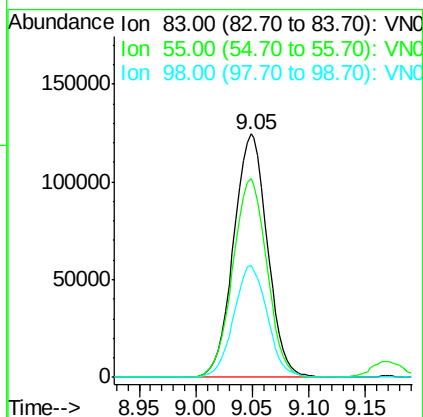
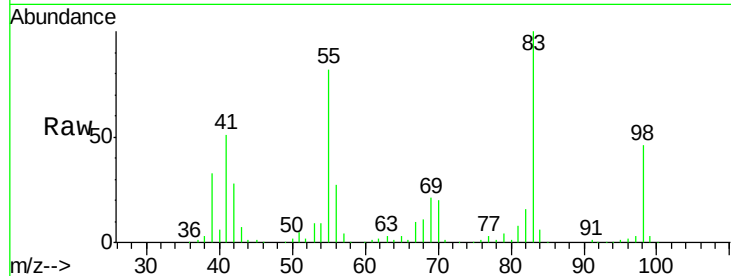




#39
Methylvlcyclohexane
Concen: 47.938 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

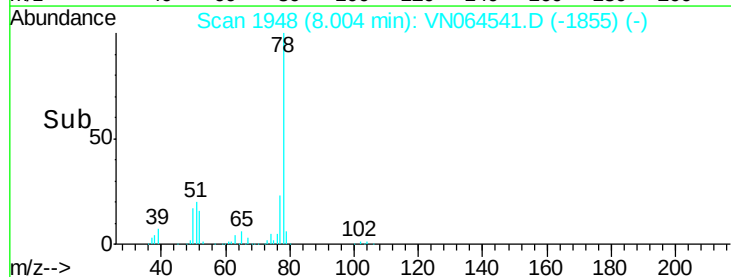
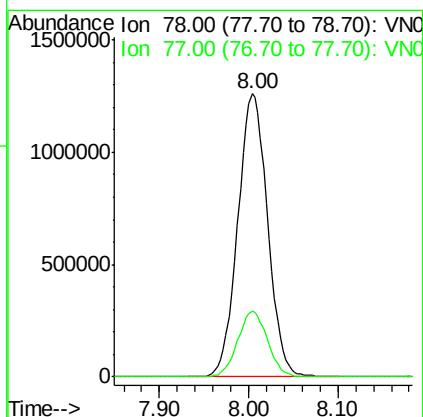
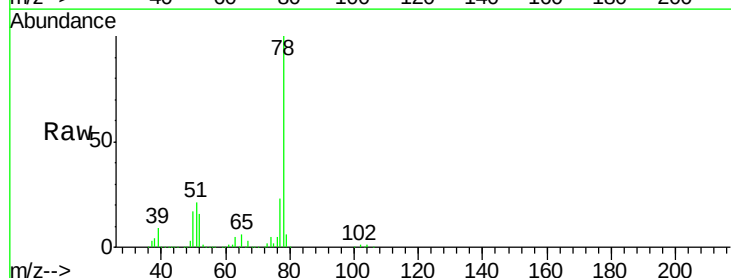
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

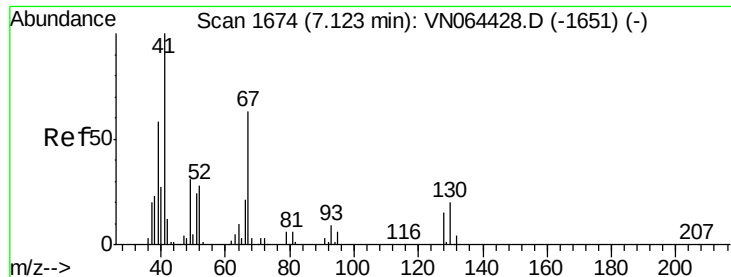
Tot Ion	83	Resp	259206
Ion Ratio	Lower	Upper	
83	100		
55	81.5	63.8	95.6
98	45.9	35.4	53.2



#40
Benzene
Concen: 165.186 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion	78	Resp	2927842
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.7	28.1

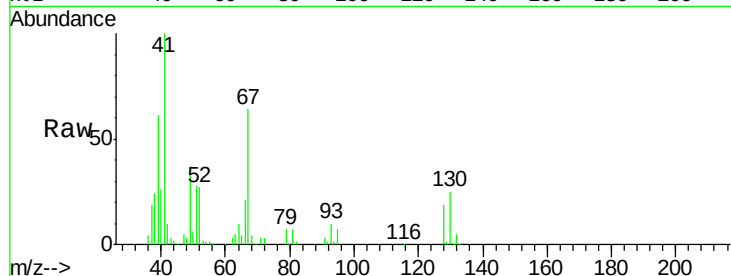




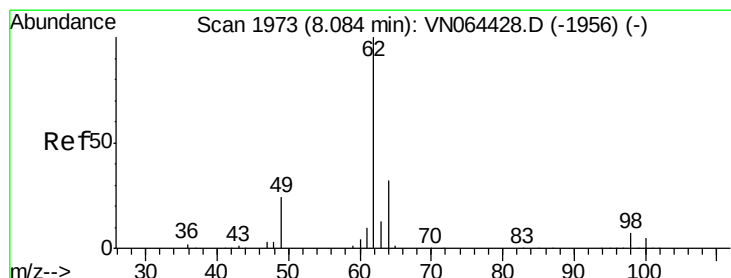
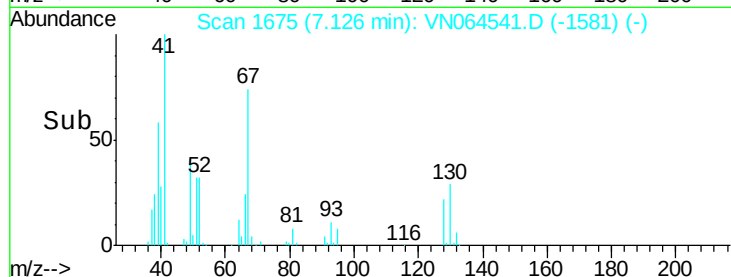
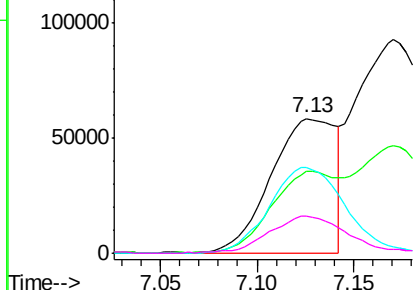
#41
Methacrylonitrile
Concen: 50.799 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

Tot Ion:	41	Resp:	135847
Ion	Ratio	Lower	Upper
41	100		
39	60.2	50.0	75.0
67	76.2	68.3	102.5
52	33.3	32.7	49.1

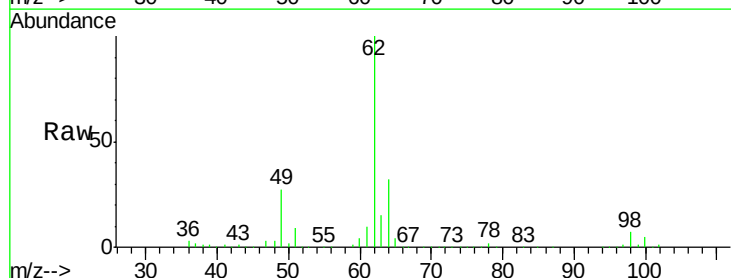


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

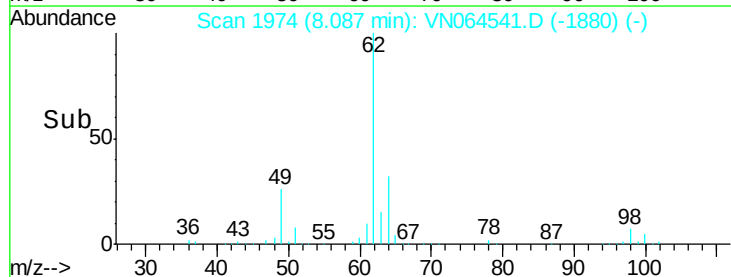
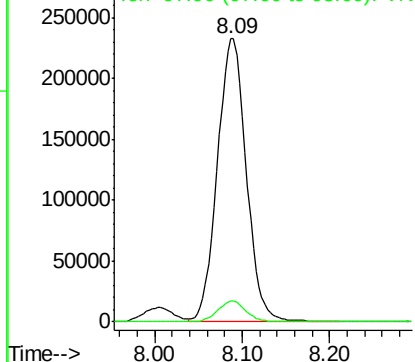


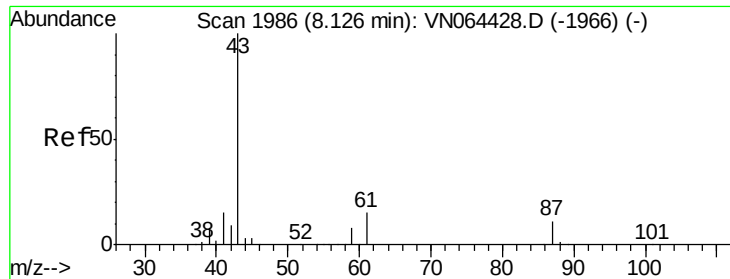
#42
1,2-Dichloroethane
Concen: 74.441 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion:	62	Resp:	532471
Ion	Ratio	Lower	Upper
62	100		
98	7.3	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: 49.306 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

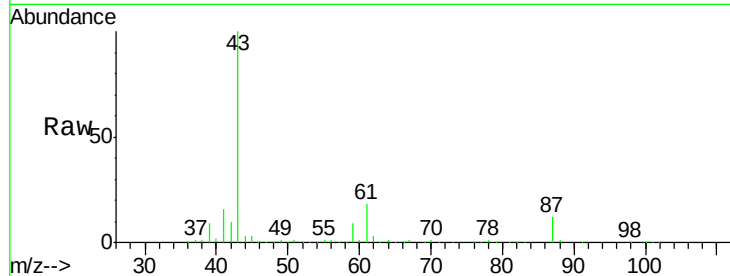
Tot Ion: 43 Resp: 481975

Ion Ratio Lower Upper

43 100

61 16.6 14.0 21.0

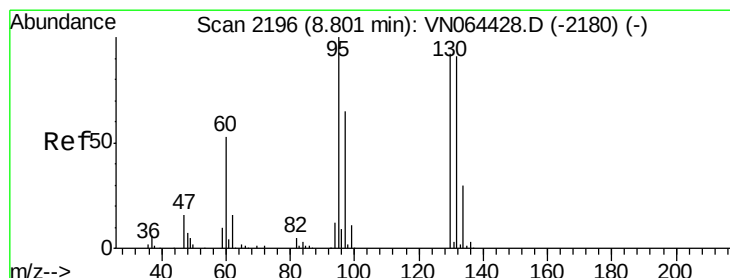
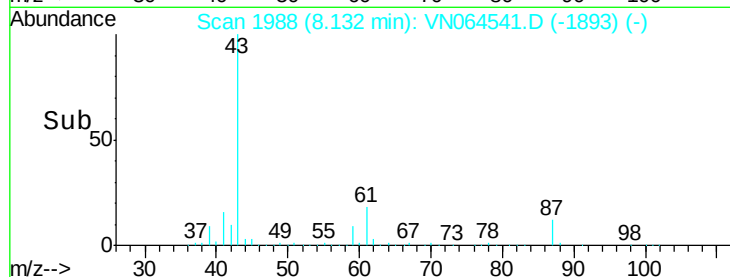
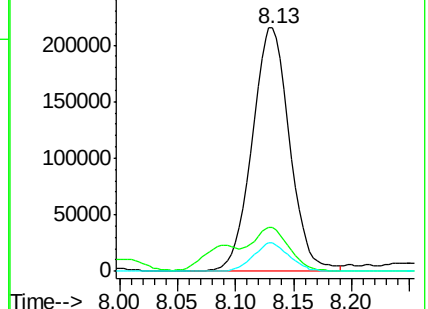
87 11.5 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN064428.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1966) (-)



#44

Trichloroethene

Concen: 48.519 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN064541.D

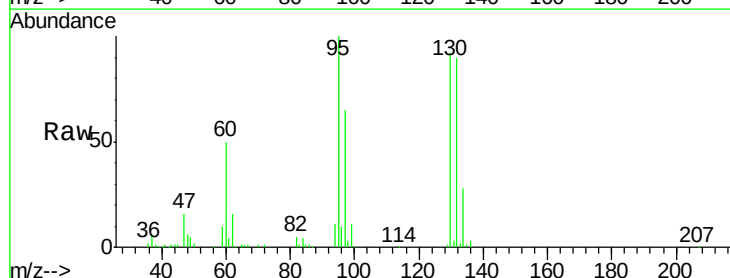
Acq: 10 Nov 2020 21:26

Tgt Ion:130 Resp: 216971

Ion Ratio Lower Upper

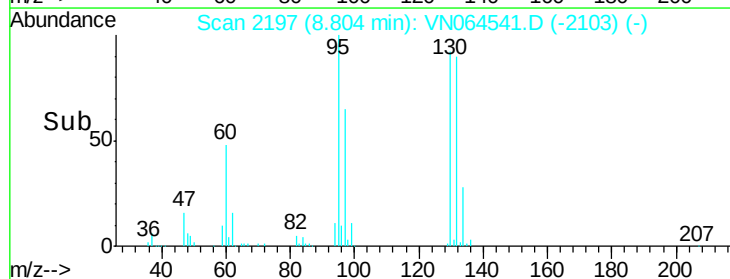
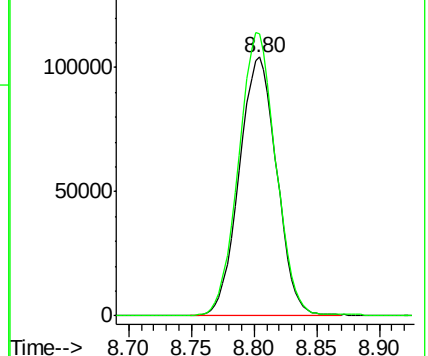
130 100

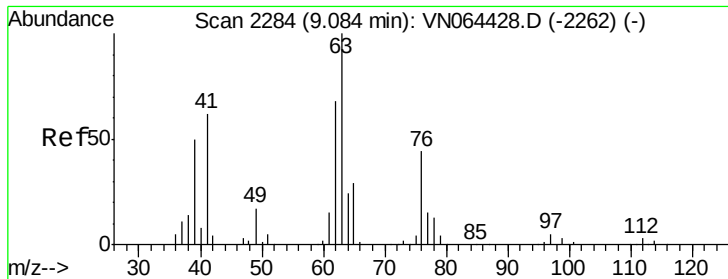
95 108.9 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN064428.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064428.D (-2180) (-)

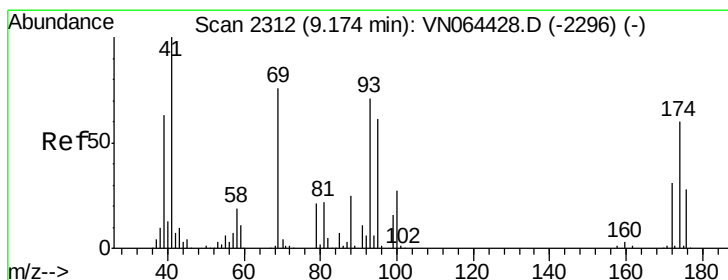
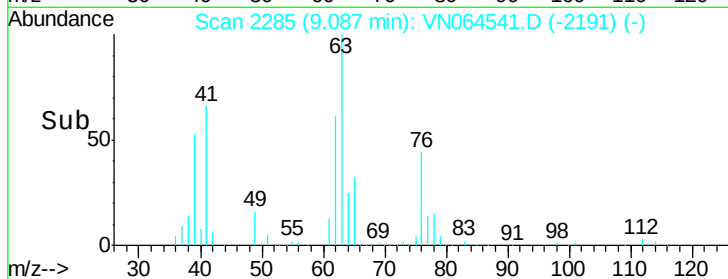
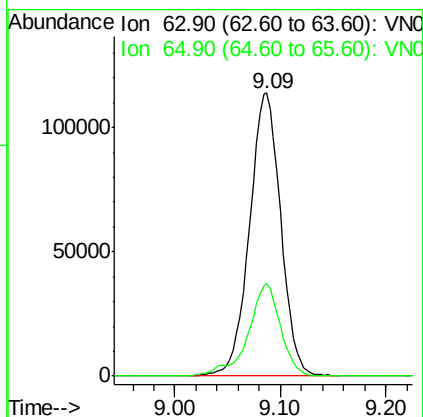
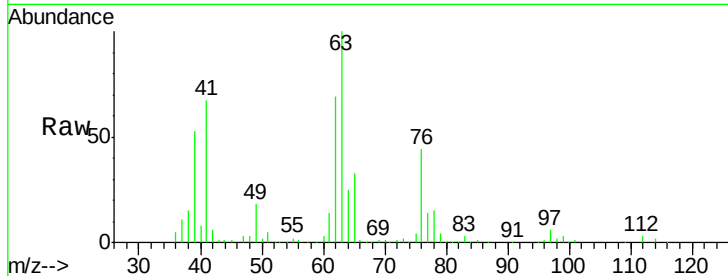




#45
 1,2-Dichloropropane
 Concen: 49.771 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

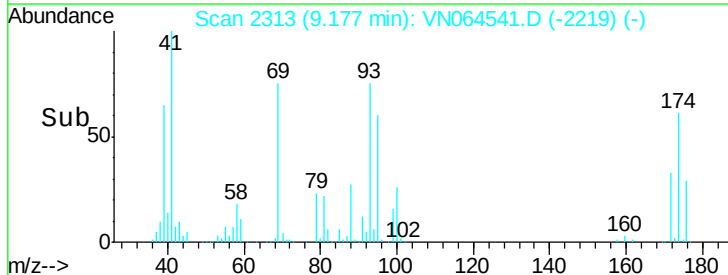
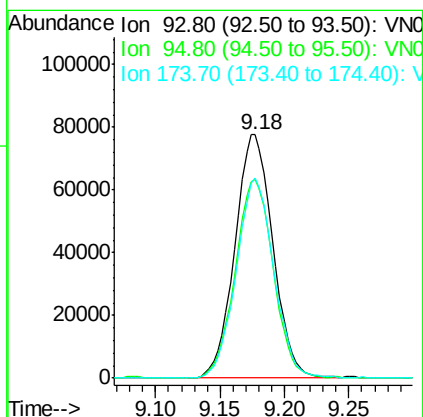
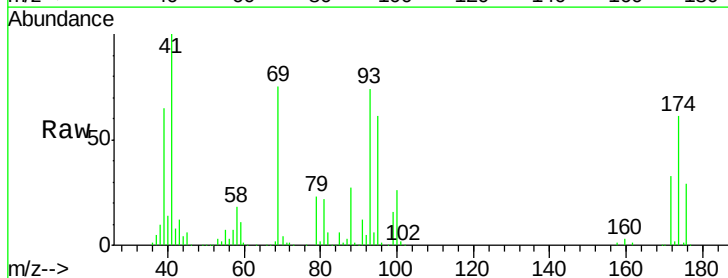
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

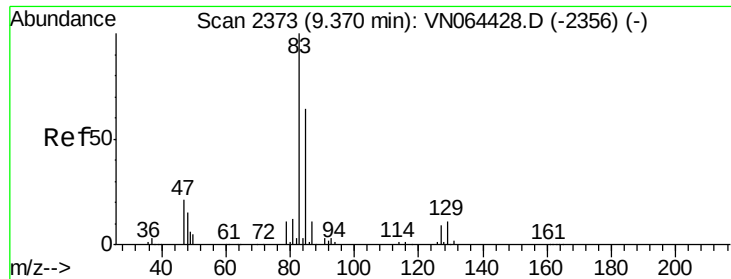
Tot Ion: 63 Resp: 235384
 Ion Ratio Lower Upper
 63 100
 65 32.4 23.6 35.4



#46
 Dibromomethane
 Concen: 51.076 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion: 93 Resp: 159014
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.4 99.6
 174 81.2 67.2 100.8





#47

Bromodichloromethane

Concen: 51.439 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

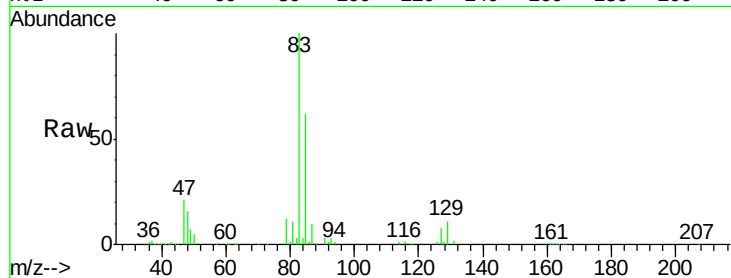
Tot Ion: 83 Resp: 344339

Ion Ratio Lower Upper

83 100

85 62.1 51.2 76.8

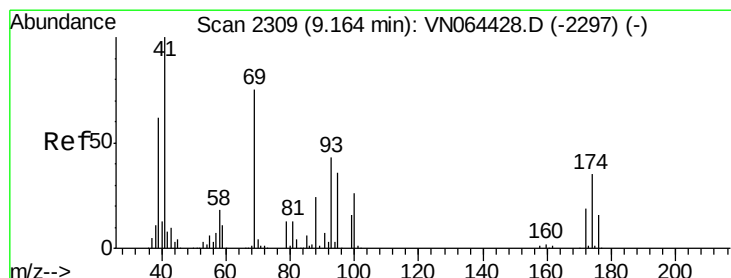
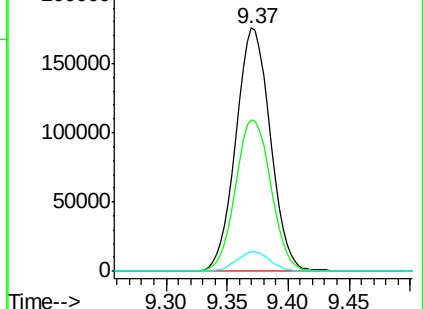
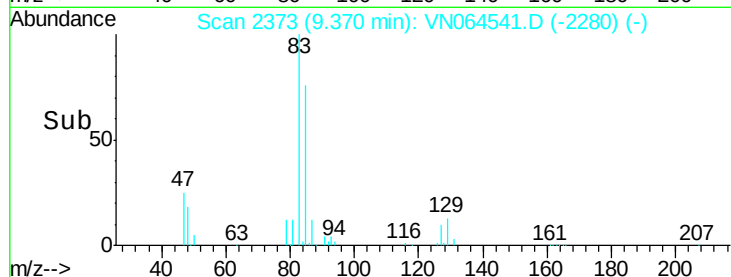
127 7.9 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN064541.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064541.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064541.D (-2280) (-)



#48

Methyl methacrylate

Concen: 50.822 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

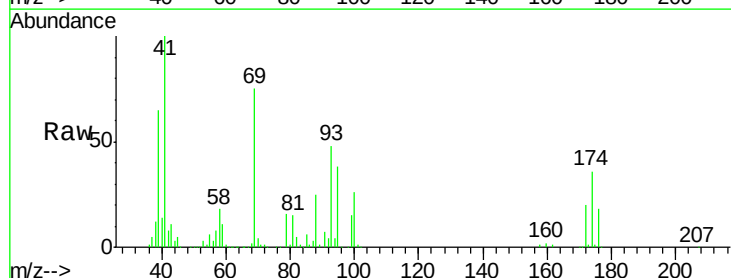
Tgt Ion: 41 Resp: 250684

Ion Ratio Lower Upper

41 100

69 74.4 60.4 90.6

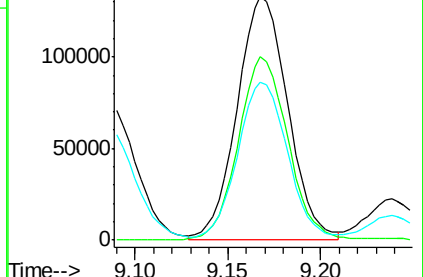
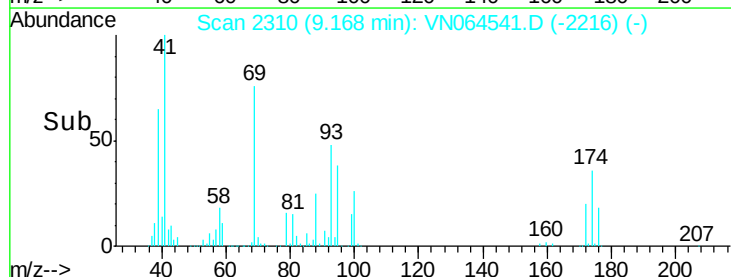
39 64.2 51.2 76.8

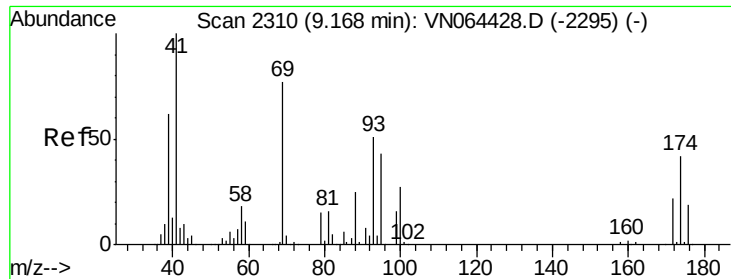


Abundance Ion 41.00 (40.70 to 41.70): VN064541.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064541.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064541.D (-2216) (-)

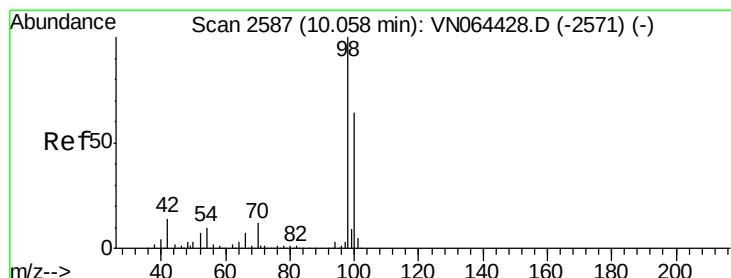
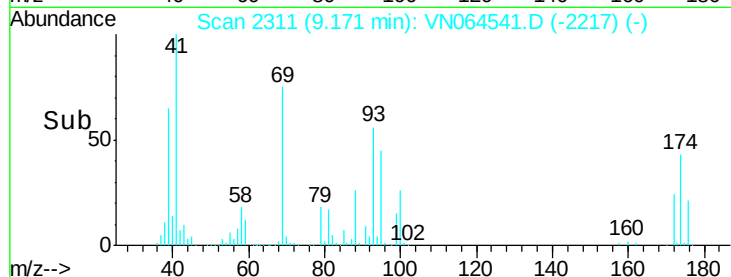
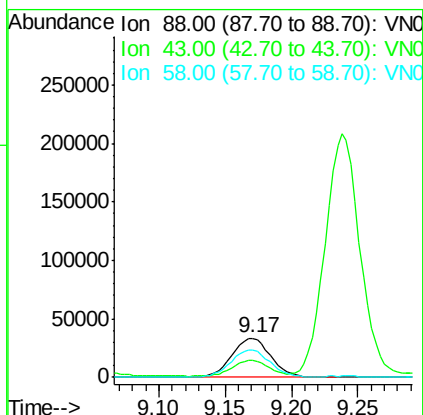
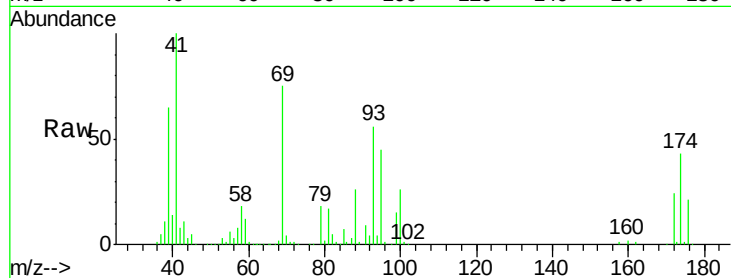




#49
1,4-Dioxane
Concen: 1059.405 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

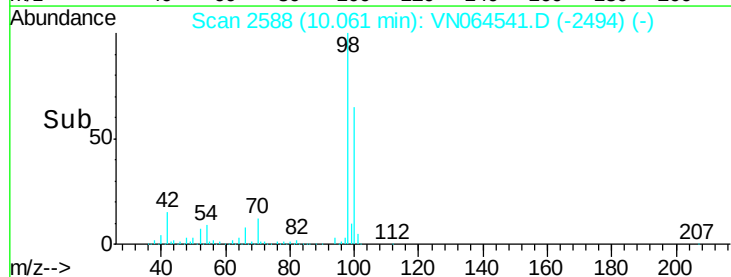
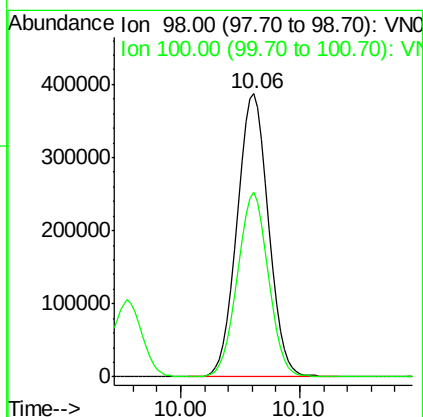
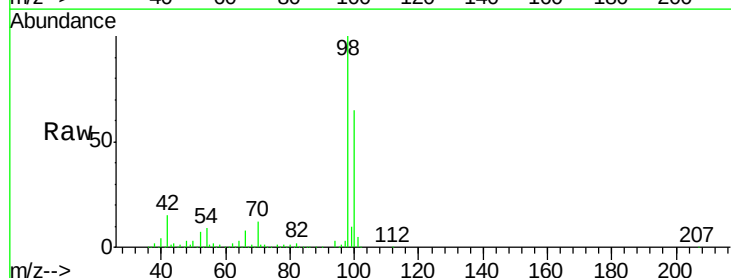
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

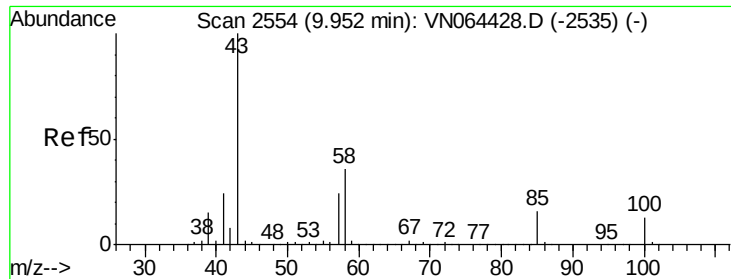
Tot Ion: 88 Resp: 68828
Ion Ratio Lower Upper
88 100
43 37.9 31.0 46.6
58 70.8 58.4 87.6



#50
Toluene-d8
Concen: 47.188 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion: 98 Resp: 708999
Ion Ratio Lower Upper
98 100
100 63.9 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 257.261 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

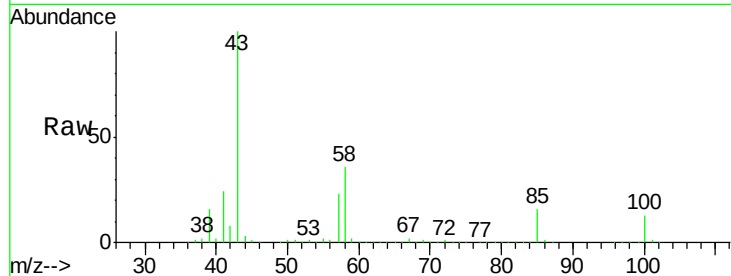
BP-VPB178-GW-498-500MS

Tot Ion: 43 Resp: 1466528

Ion Ratio Lower Upper

43 100

58 36.0 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2535) (-)

9.96

800000

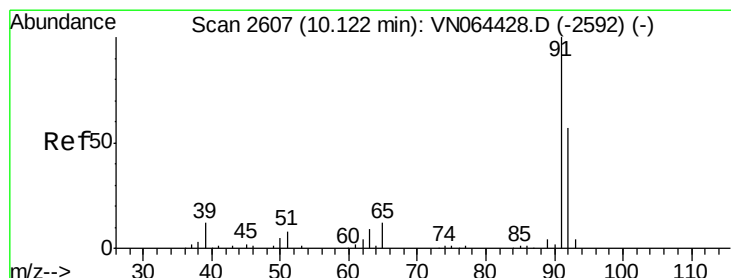
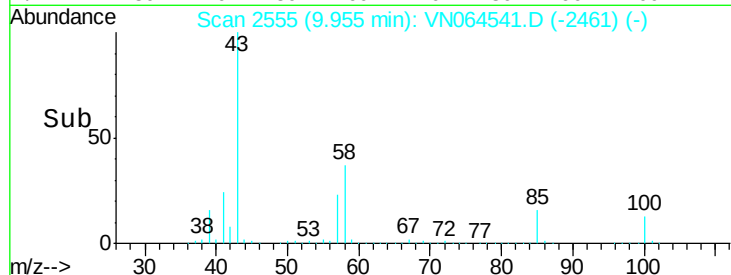
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.768 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064541.D

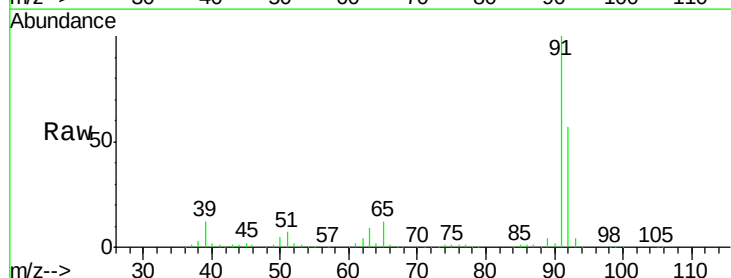
Acq: 10 Nov 2020 21:26

Tgt Ion: 92 Resp: 548826

Ion Ratio Lower Upper

92 100

91 174.0 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN064428.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064428.D (-2592) (-)

10.13

600000

500000

400000

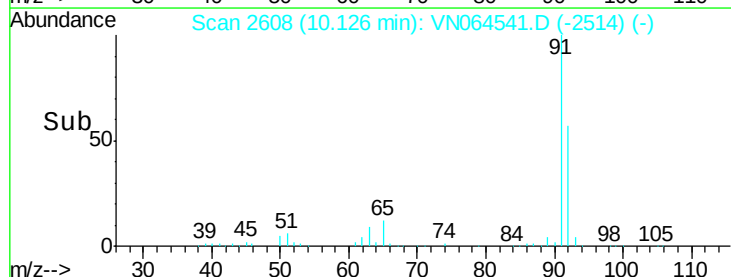
300000

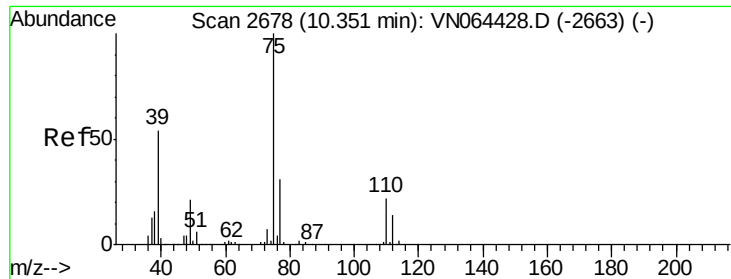
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.458 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

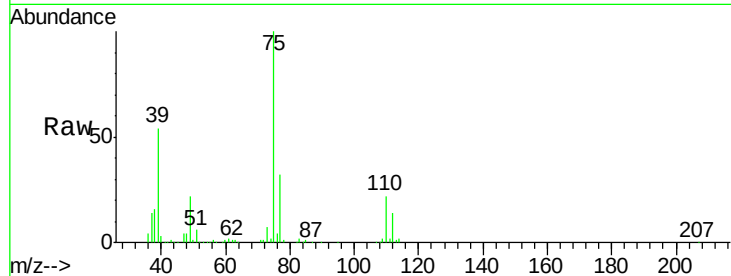
BP-VPB178-GW-498-500MS

Tot Ion: 75 Resp: 350999

Ion Ratio Lower Upper

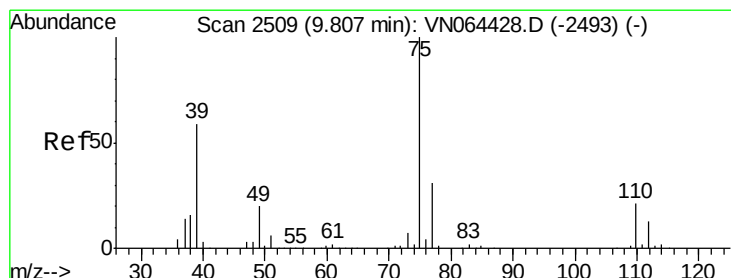
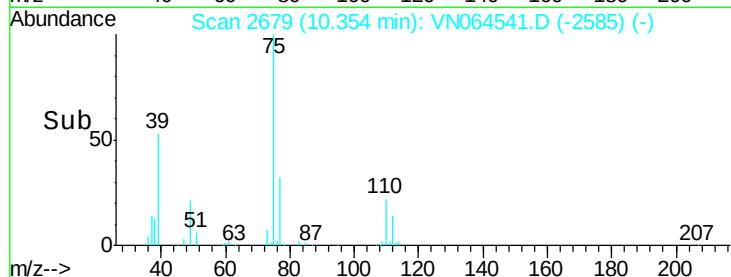
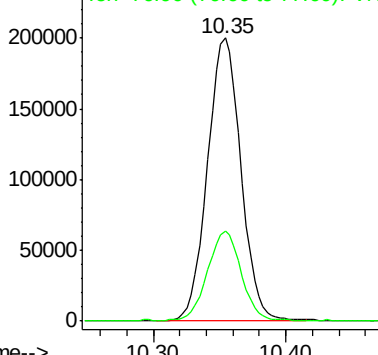
75 100

77 31.5 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 47.053 ug/l

RT: 9.81 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

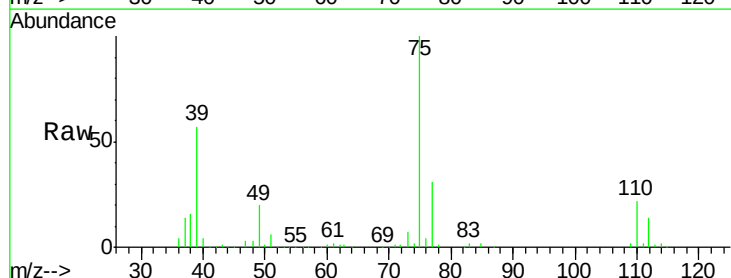
Tgt Ion: 75 Resp: 357032

Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3

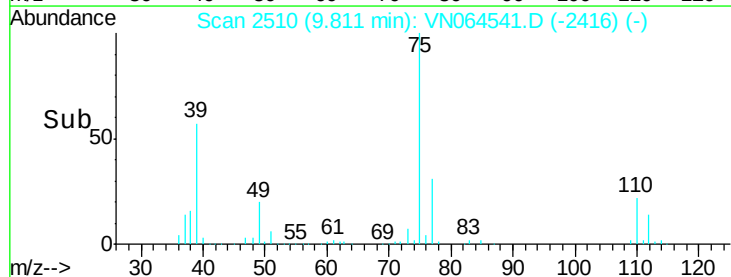
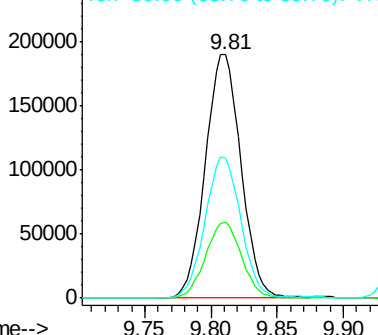
39 57.4 47.1 70.7

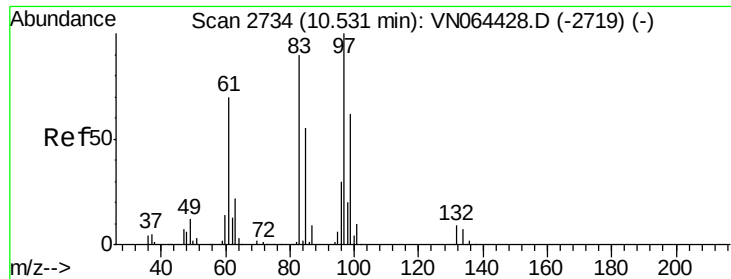


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

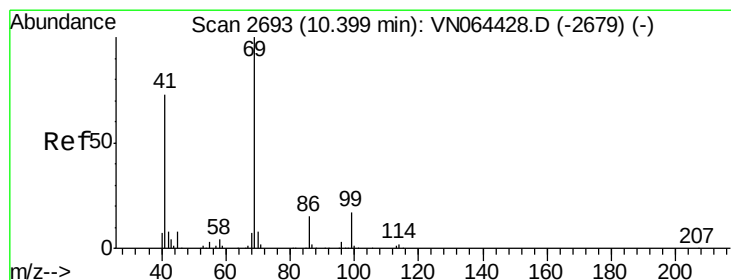
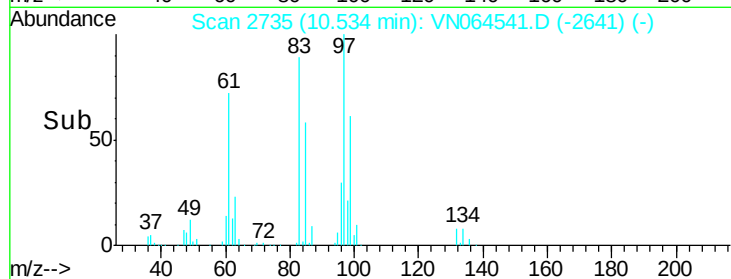
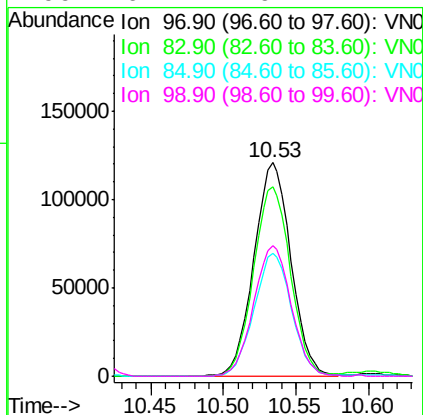
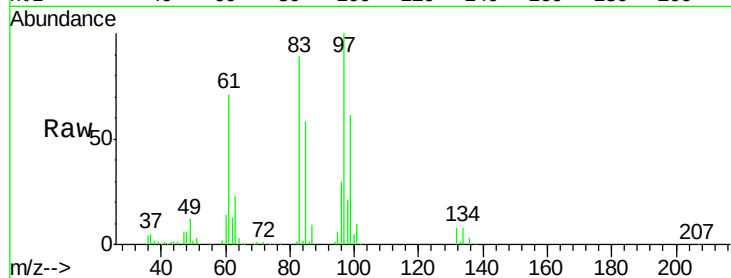




#55
 1,1,2-Trichloroethane
 Concen: 51.082 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

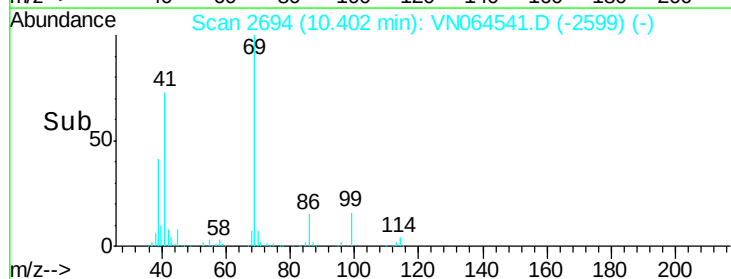
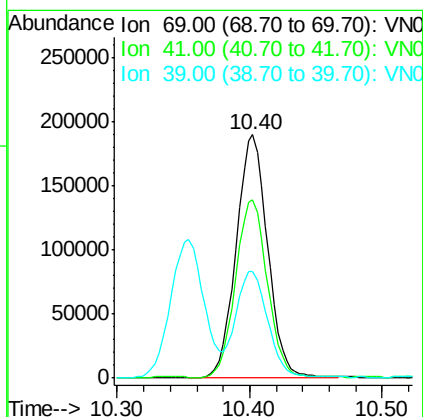
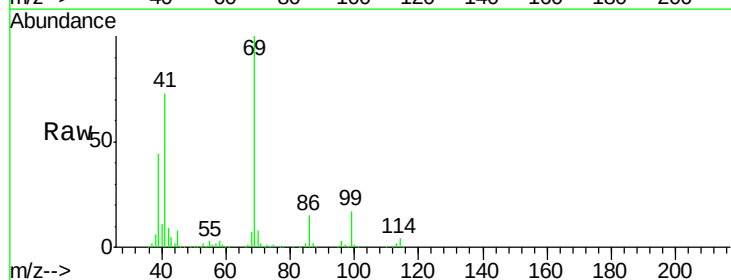
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

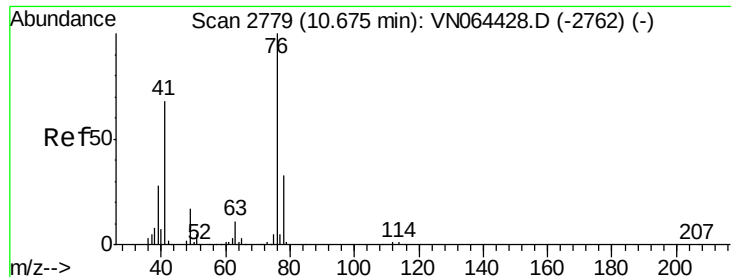
Tot Ion: 97 Resp: 215366
 Ion Ratio Lower Upper
 97 100
 83 88.9 71.7 107.5
 85 57.8 44.3 66.5
 99 61.2 49.4 74.2



#56
 Ethyl methacrylate
 Concen: 45.428 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion: 69 Resp: 313904
 Ion Ratio Lower Upper
 69 100
 41 73.2 59.3 88.9
 39 44.1 35.4 53.0





#57

1,3-Dichloropropane

Concen: 50.590 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

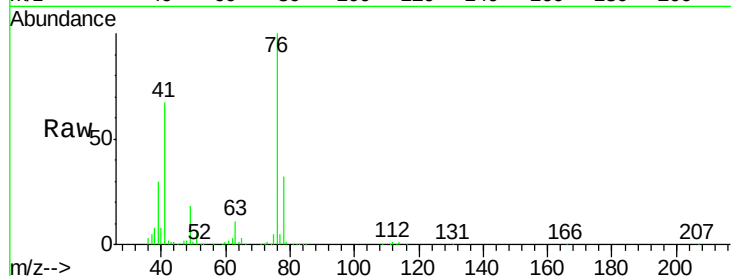
BP-VPB178-GW-498-500MS

Tot Ion: 76 Resp: 372287

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

200000

150000

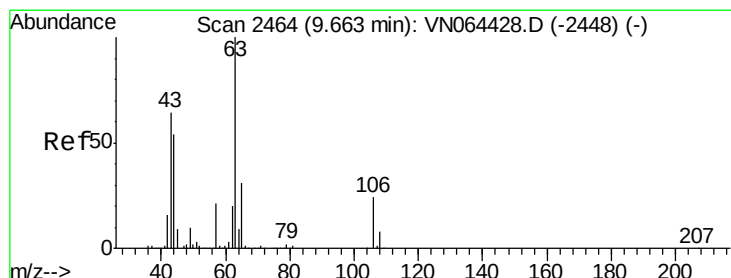
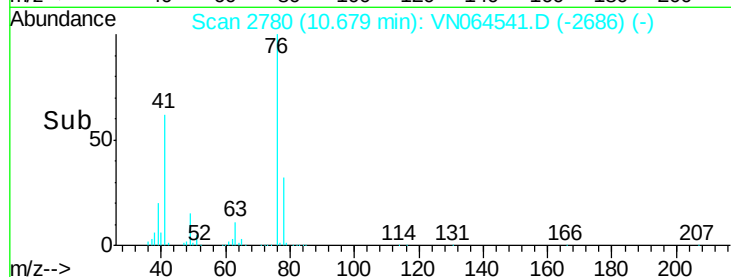
100000

50000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 21.569 ug/l

RT: 9.67 min Scan# 2467

Delta R.T. 0.01 min

Lab File: VN064541.D

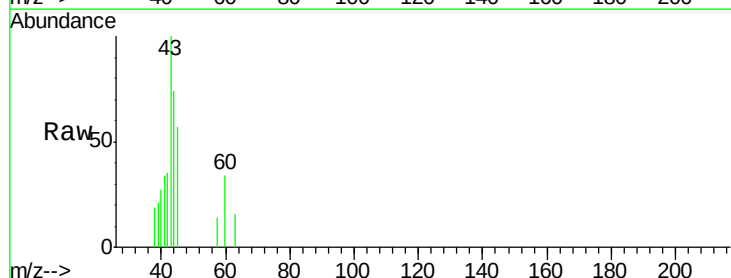
Acq: 10 Nov 2020 21:26

Tgt Ion: 63 Resp: 110

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

250

200

150

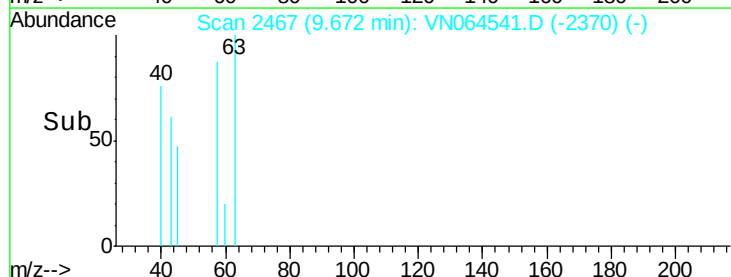
100

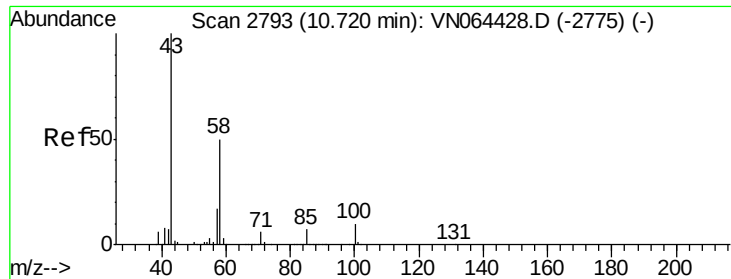
50

0

Time-->

9.66 9.67 9.68

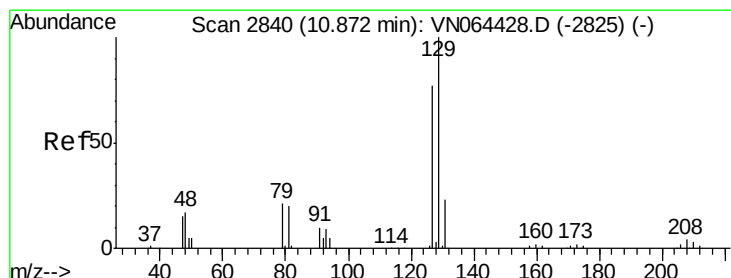
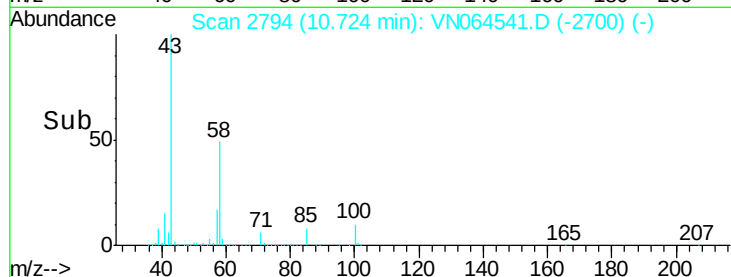
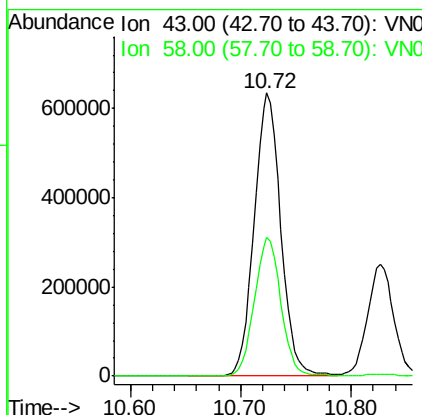
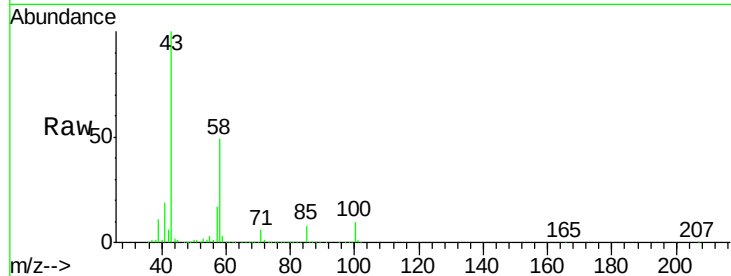




#59
2-Hexanone
Concen: 228.155 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

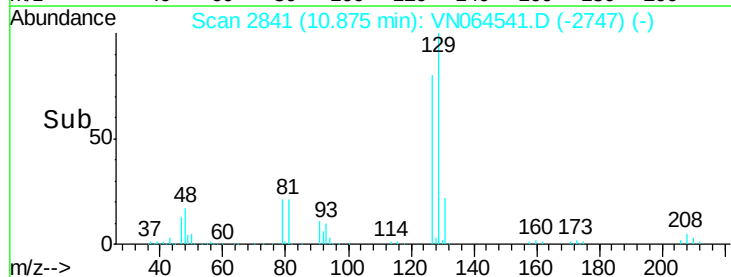
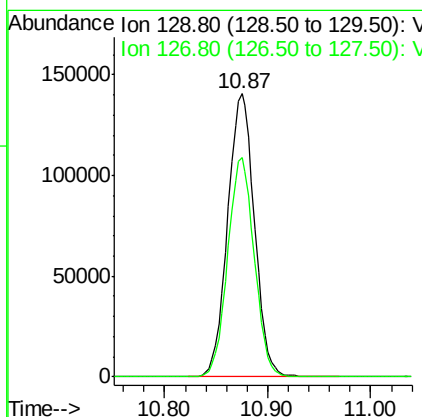
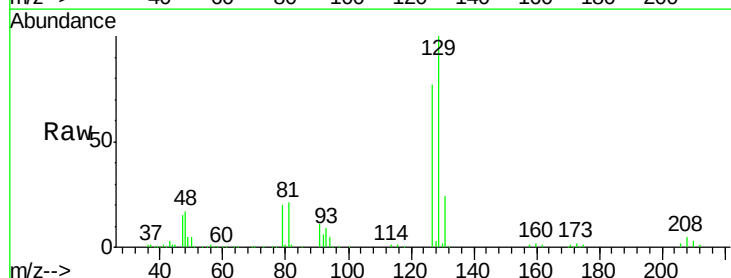
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

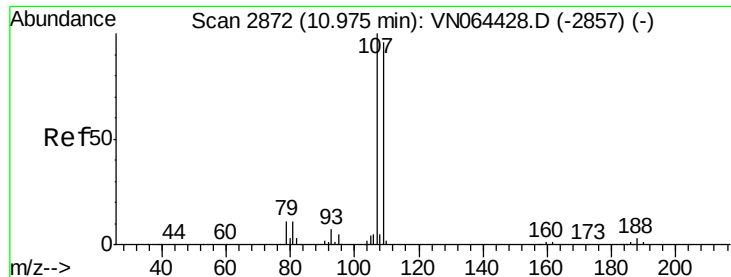
Tot Ion: 43 Resp: 1058908
Ion Ratio Lower Upper
43 100
58 49.0 24.7 74.1



#60
Dibromochloromethane
Concen: 53.980 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion: 129 Resp: 254803
Ion Ratio Lower Upper
129 100
127 76.5 38.9 116.7

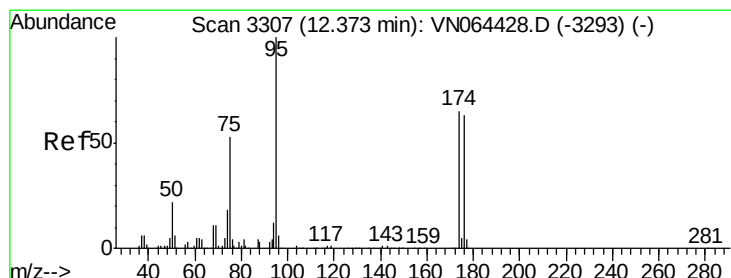
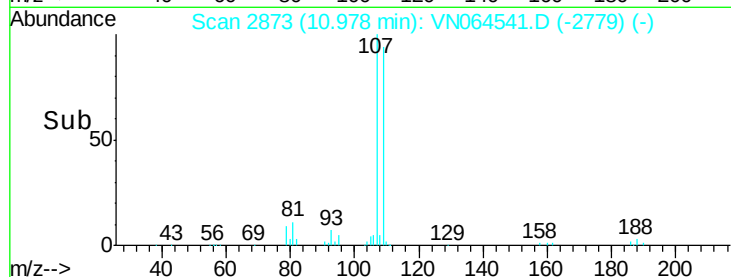
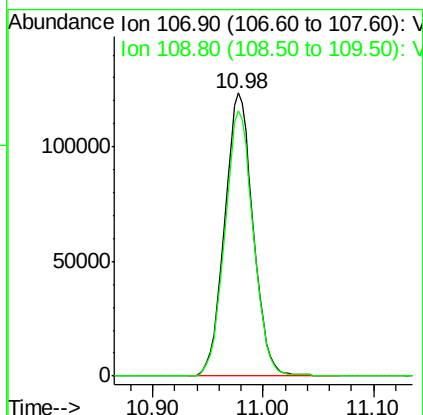
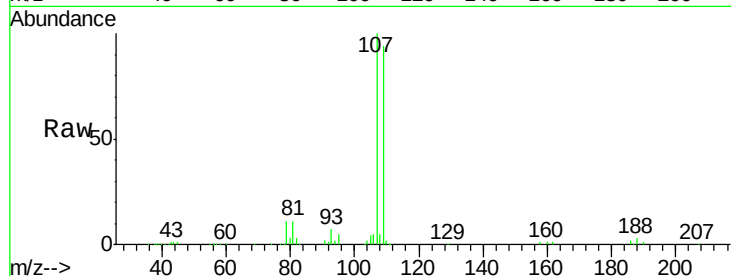




#61
 1,2-Dibromoethane
 Concen: 51.587 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

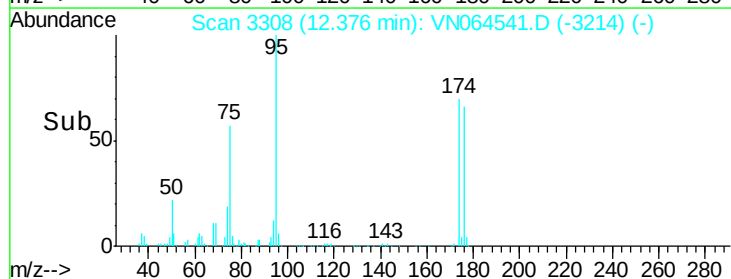
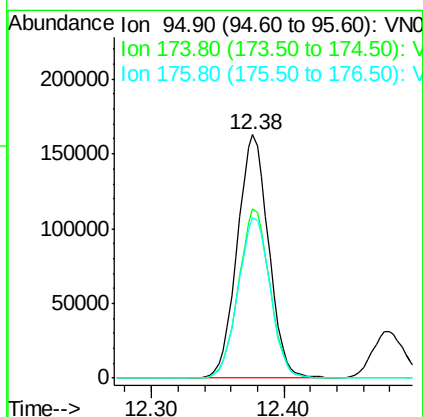
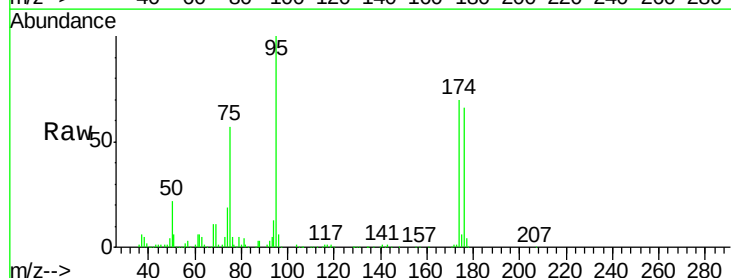
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

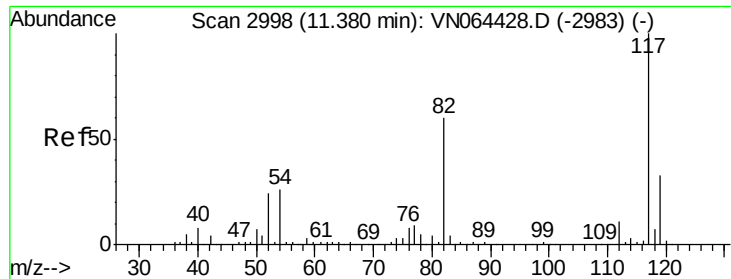
Tot Ion: 107 Resp: 220609
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 46.948 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion: 95 Resp: 266775
 Ion Ratio Lower Upper
 95 100
 174 69.6 0.0 132.6
 176 67.6 0.0 129.2

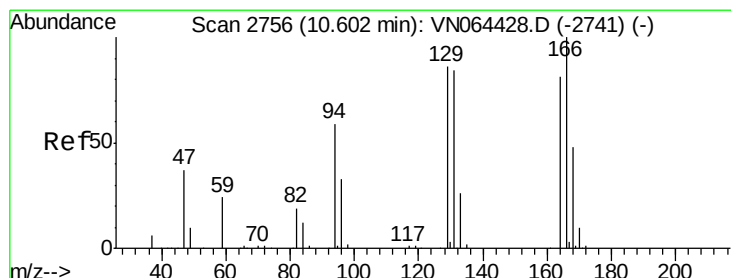
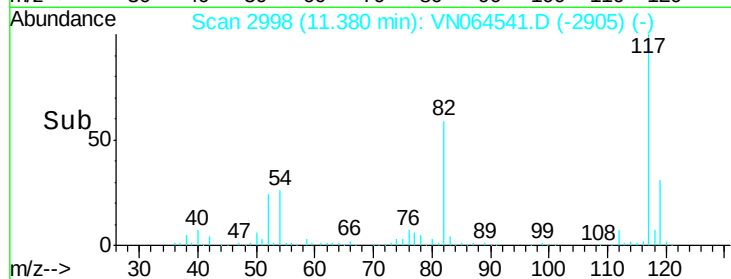
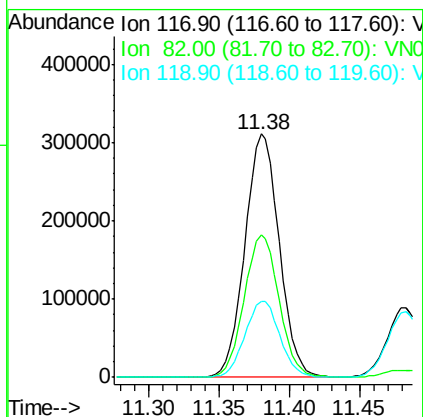
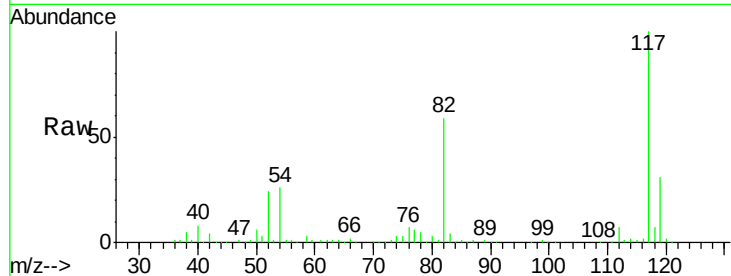




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

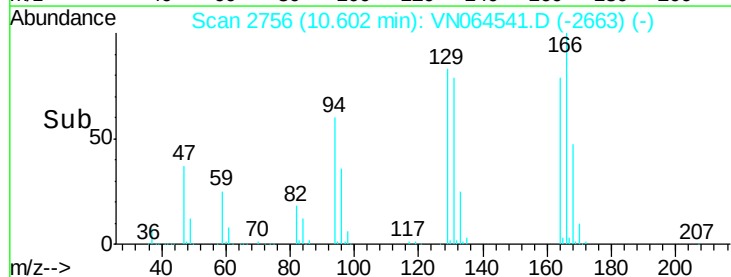
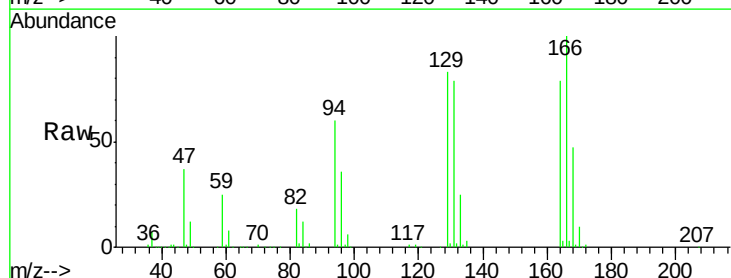
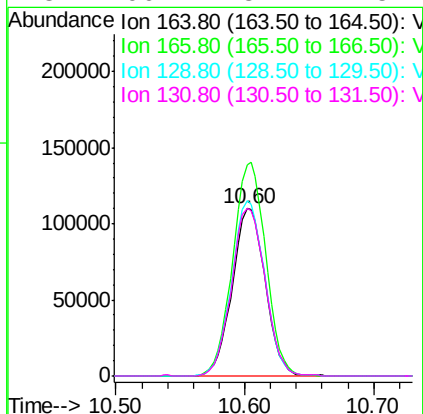
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

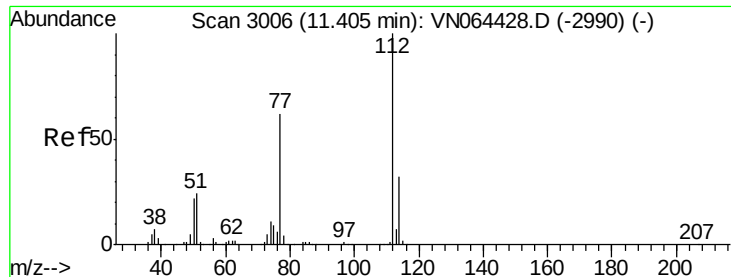
Tot Ion:117 Resp: 531395
Ion Ratio Lower Upper
117 100
82 58.7 48.1 72.1
119 31.4 26.2 39.4



#64
Tetrachloroethene
Concen: 47.737 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion:164 Resp: 195403
Ion Ratio Lower Upper
164 100
166 126.6 98.2 147.2
129 104.9 84.6 127.0
131 100.4 82.2 123.2

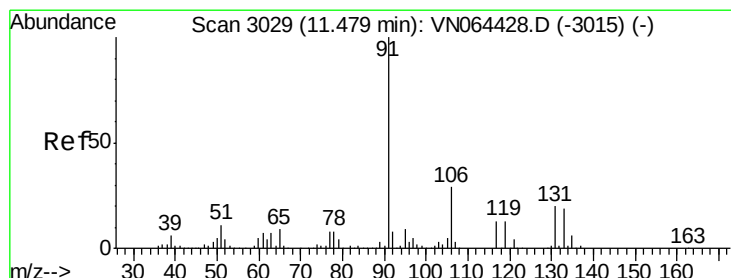
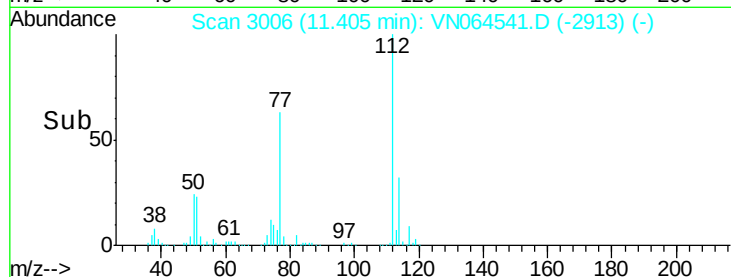
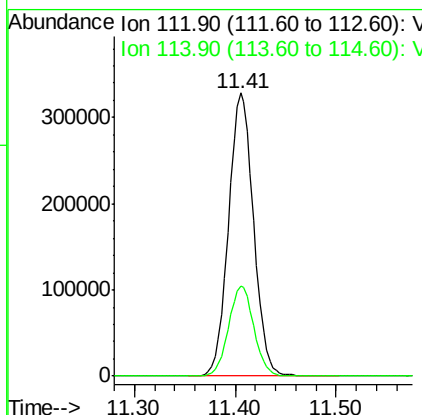
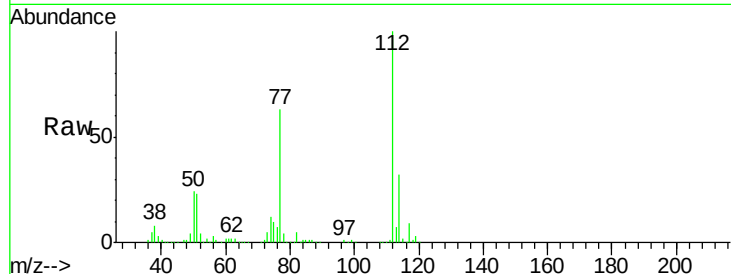




#65
Chlorobenzene
Concen: 48.811 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

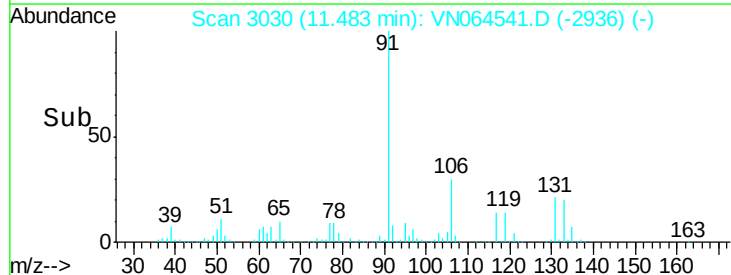
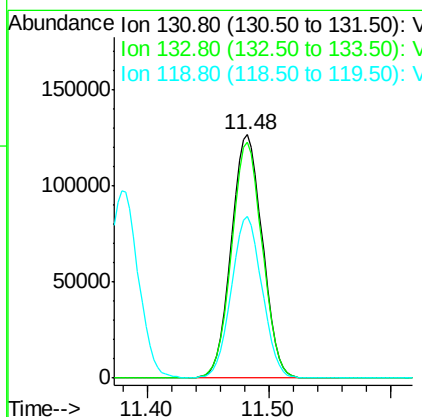
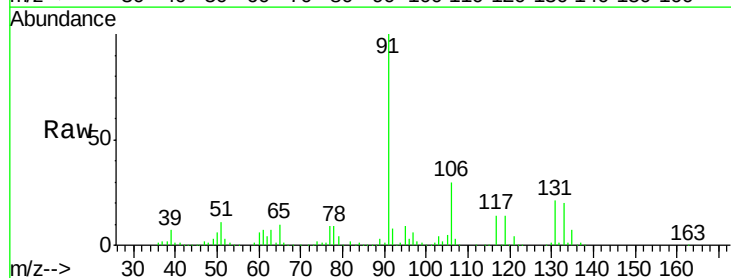
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

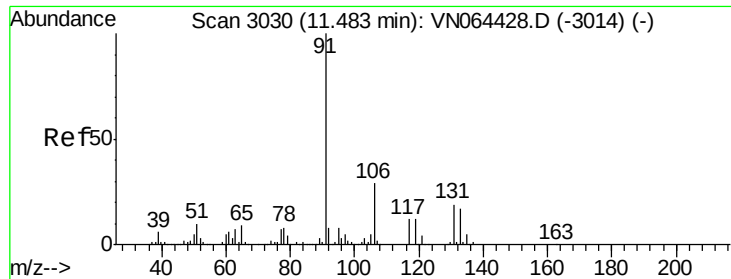
Tot Ion:112 Resp: 568614
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.789 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion:131 Resp: 225072
Ion Ratio Lower Upper
131 100
133 95.5 46.9 140.7
119 65.5 32.1 96.5

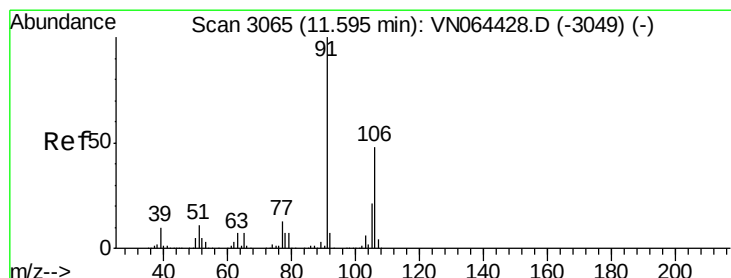
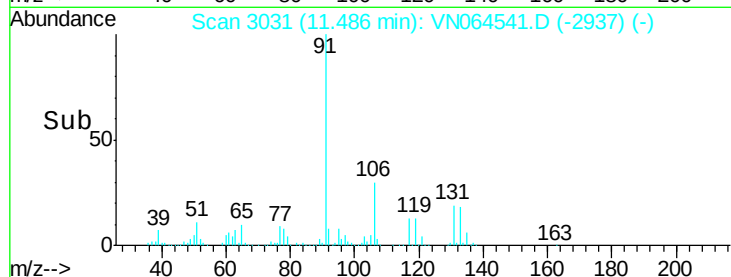
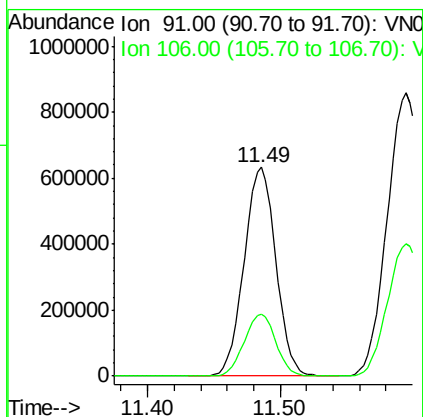
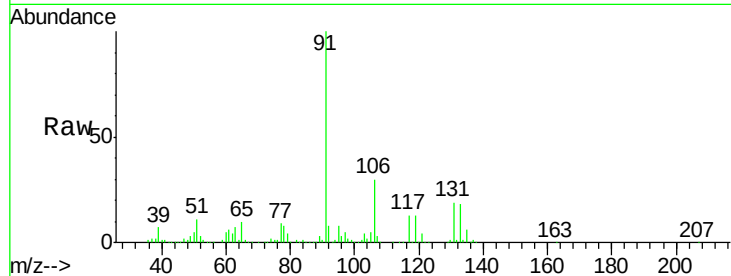




#67
Ethyl Benzene
Concen: 50.873 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

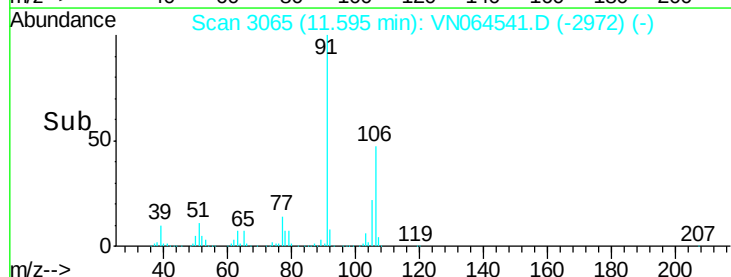
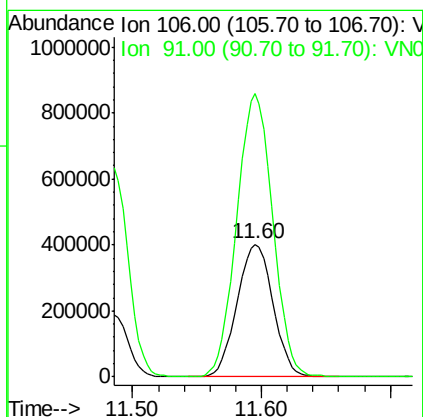
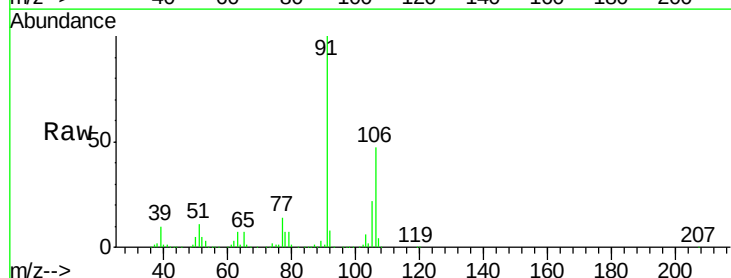
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

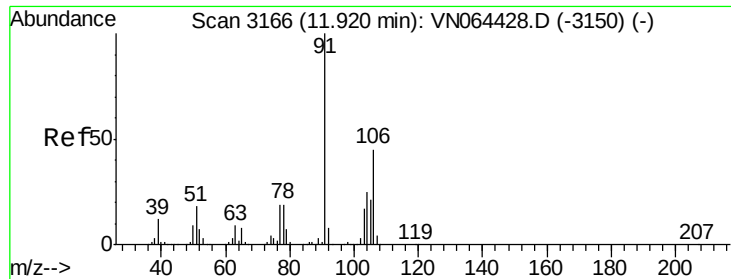
Tot Ion: 91 Resp: 1054151
Ion Ratio Lower Upper
91 100
106 30.0 23.6 35.4



#68
m/p-Xylenes
Concen: 103.472 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion: 106 Resp: 777565
Ion Ratio Lower Upper
106 100
91 214.4 169.4 254.2

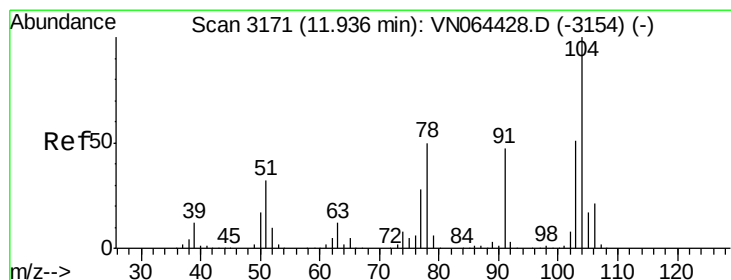
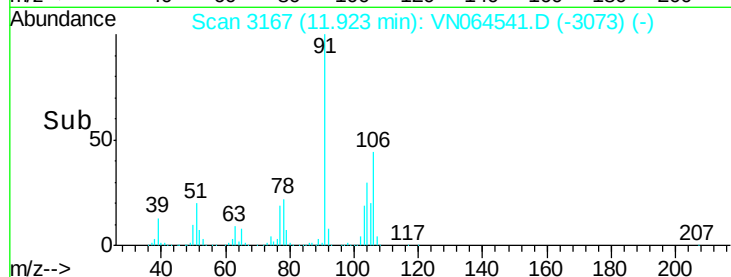
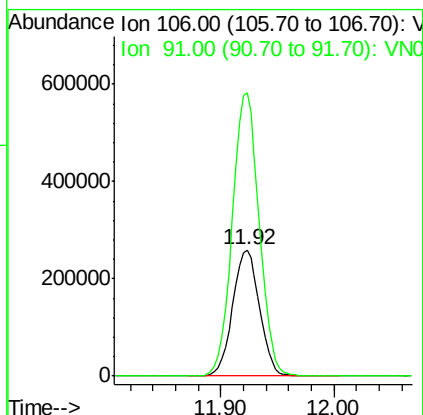
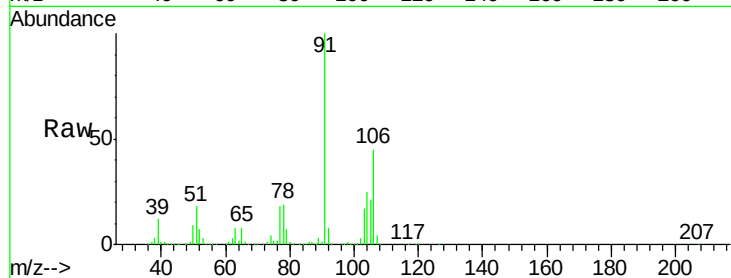




#69
o-Xylene
Concen: 58.900 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

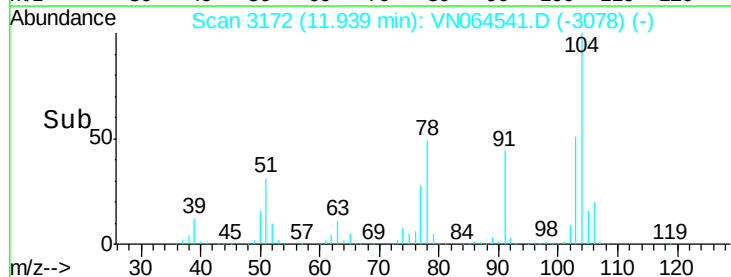
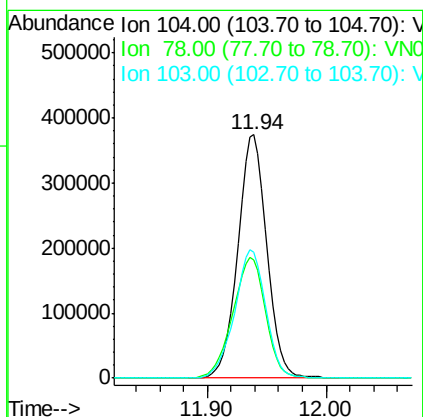
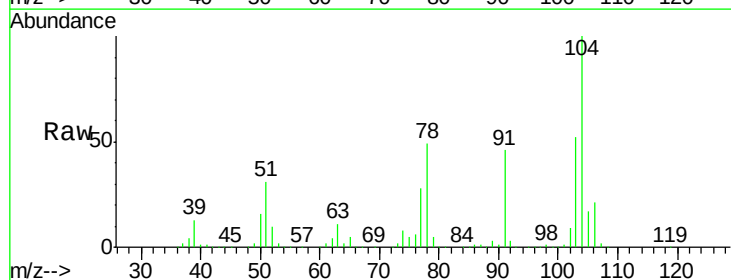
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

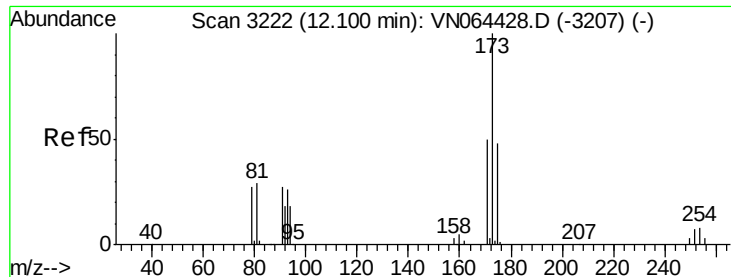
Tot Ion:106 Resp: 427708
Ion Ratio Lower Upper
106 100
91 224.5 111.7 334.9



#70
Styrene
Concen: 51.651 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion:104 Resp: 631146
Ion Ratio Lower Upper
104 100
78 56.1 44.0 66.0
103 56.9 43.8 65.6





#71

Bromoform

Concen: 49.631 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

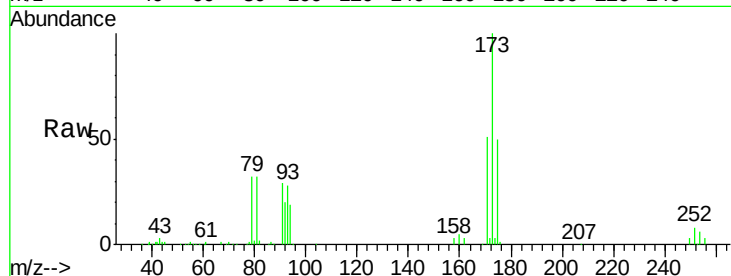
Tot Ion:173 Resp: 161925

Ion Ratio Lower Upper

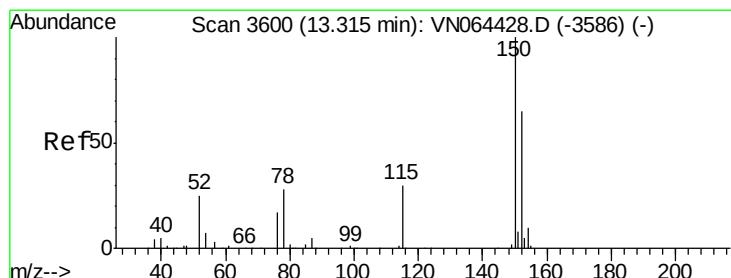
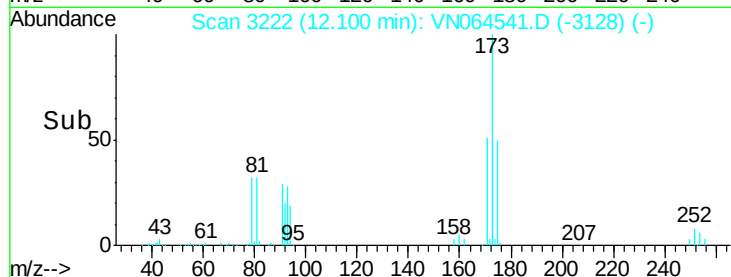
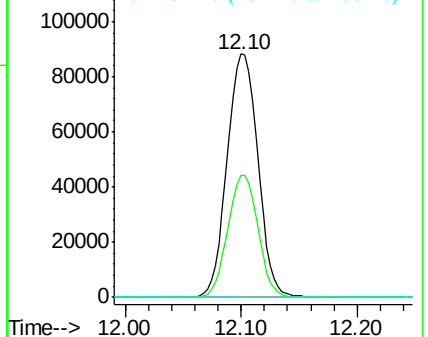
173 100

175 49.0 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: VN064541.D

Acq: 10 Nov 2020 21:26

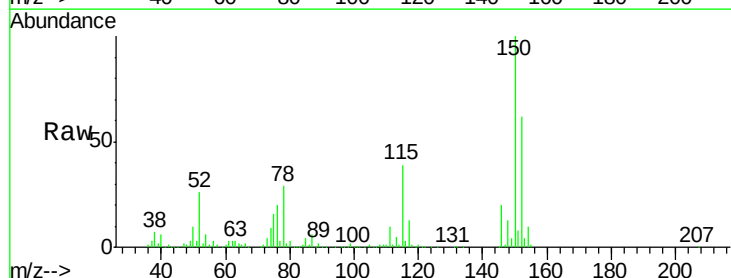
Tgt Ion:152 Resp: 254690

Ion Ratio Lower Upper

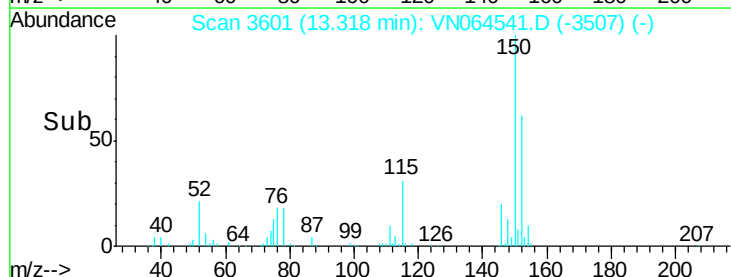
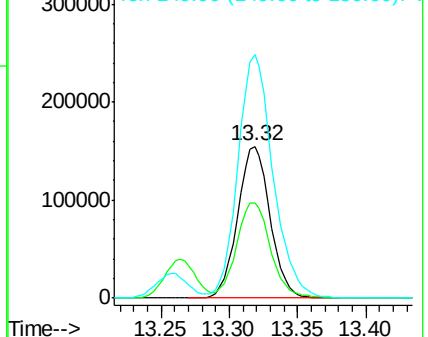
152 100

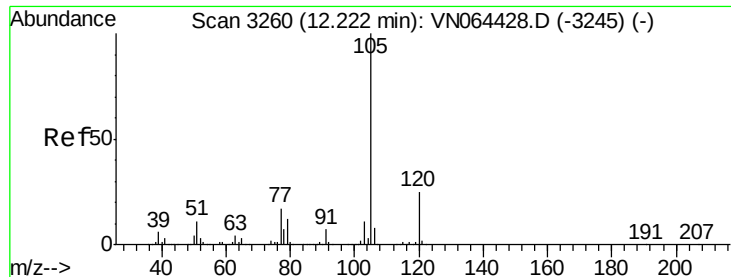
115 66.1 32.0 96.0

150 174.0 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





#73

Isopropylbenzene

Concen: 50.600 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

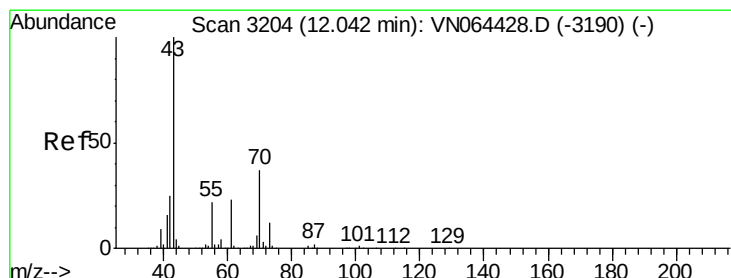
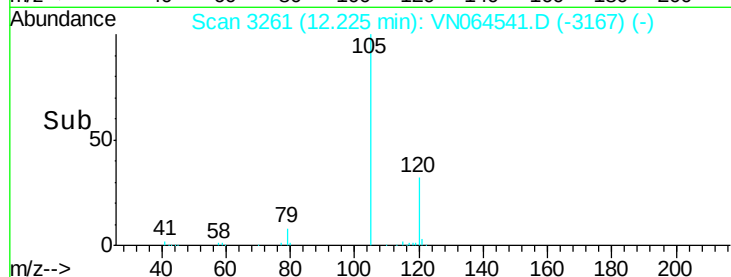
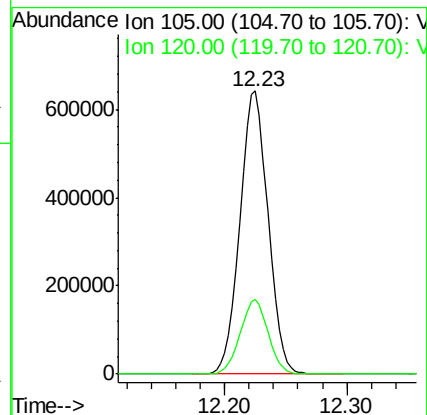
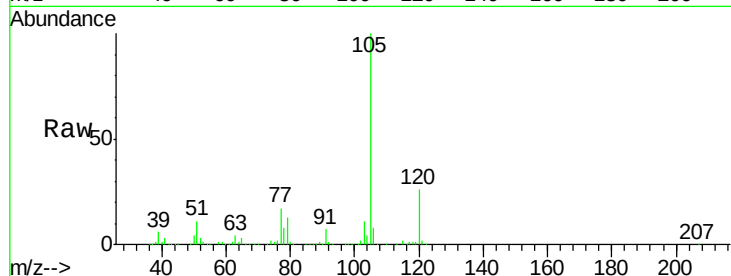
BP-VPB178-GW-498-500MS

Tot Ion:105 Resp: 1024326

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.3



#74

N-ethyl acetate

Concen: 42.668 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Tgt Ion: 43 Resp: 417130

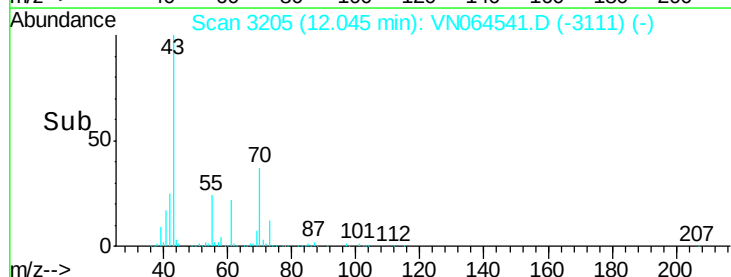
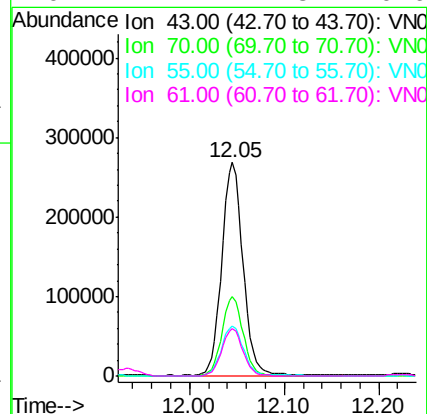
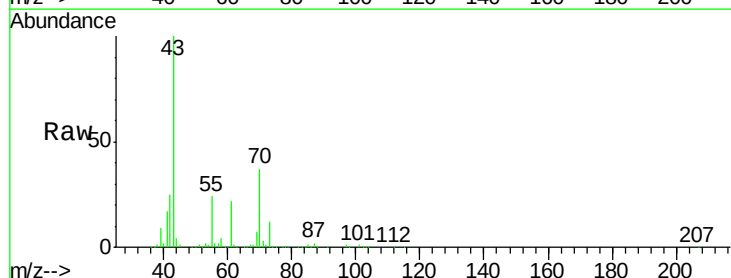
Ion Ratio Lower Upper

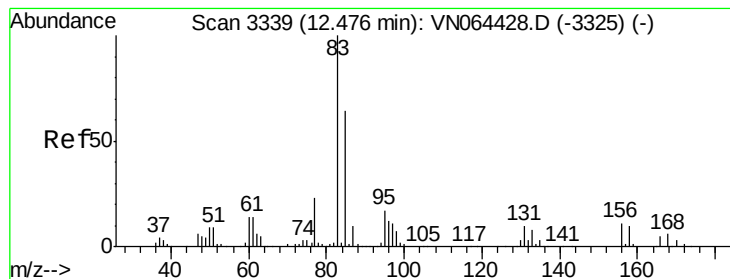
43 100

70 37.6 29.6 44.4

55 24.4 18.4 27.6

61 22.2 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.539 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

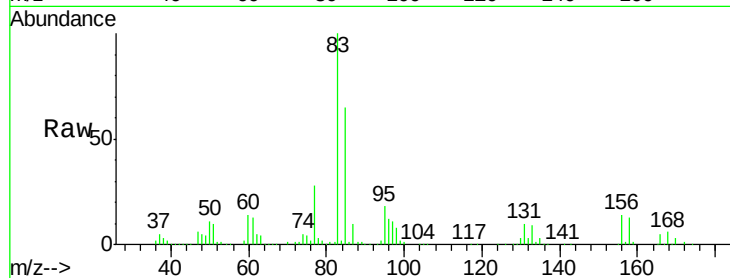
Tot Ion: 83 Resp: 308028

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.7

85 63.1 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN064428.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN064428.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN064428.D (-3325) (-)

12.48

200000

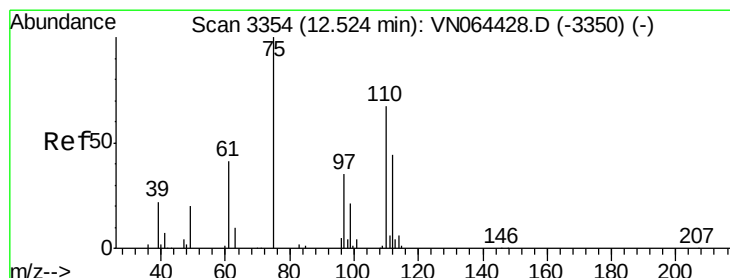
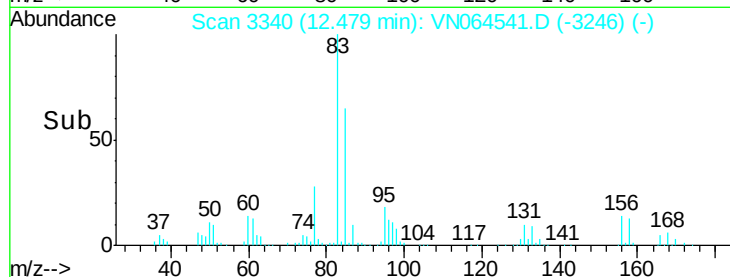
150000

100000

50000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 67.342 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064541.D

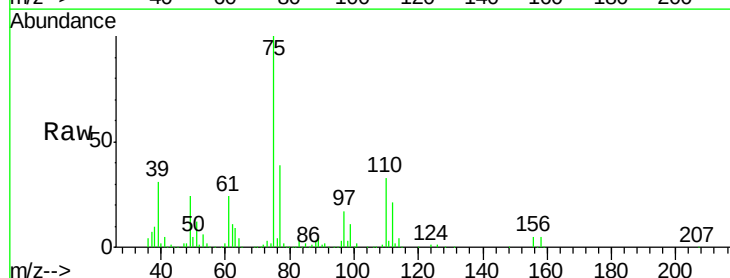
Acq: 10 Nov 2020 21:26

Tgt Ion: 75 Resp: 415560

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064428.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN064428.D (-3350) (-)

300000

250000

200000

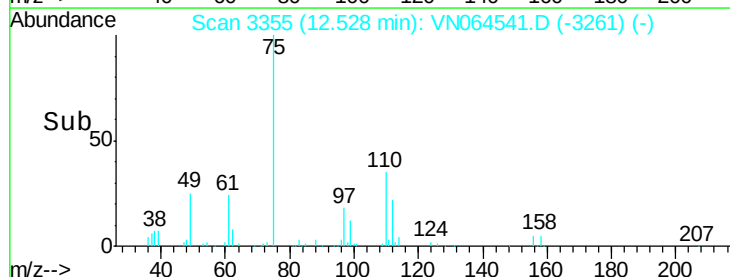
150000

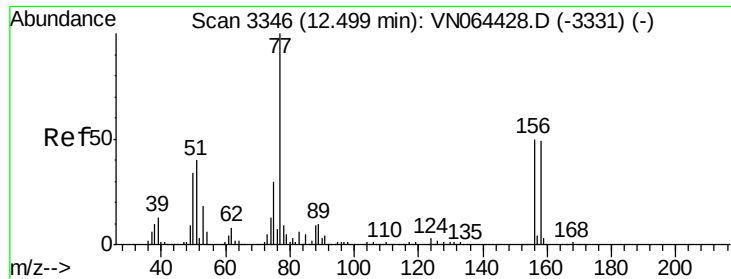
100000

50000

0

Time--> 12.40 12.50 12.60





#77

Bromobenzene

Concen: 47.601 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

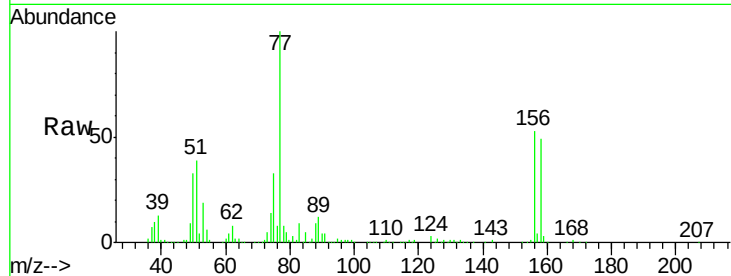
Tot Ion:156 Resp: 235258

Ion Ratio Lower Upper

156 100

77 230.7 119.0 357.0

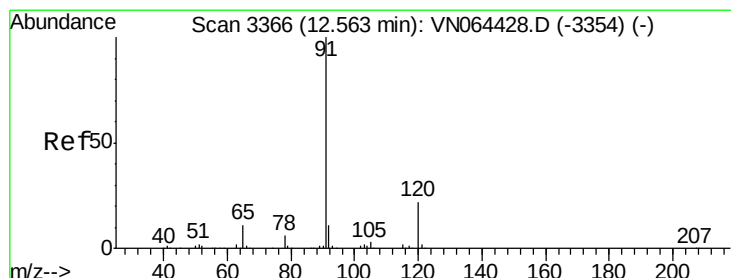
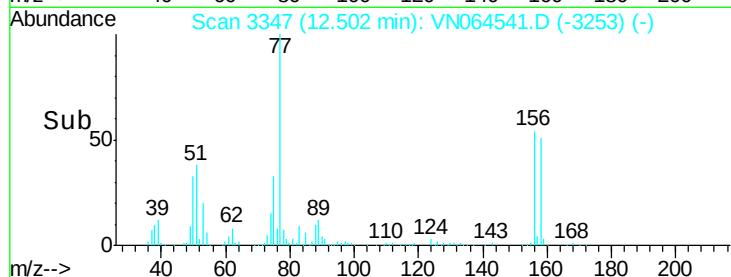
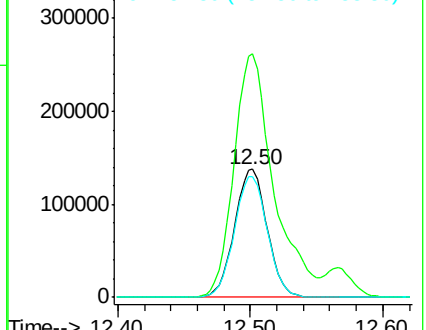
158 95.7 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.089 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064541.D

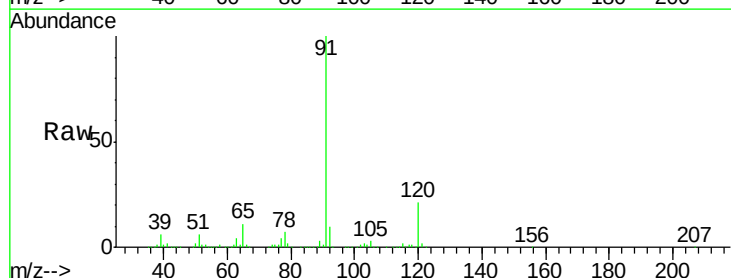
Acq: 10 Nov 2020 21:26

Tgt Ion: 91 Resp: 1132926

Ion Ratio Lower Upper

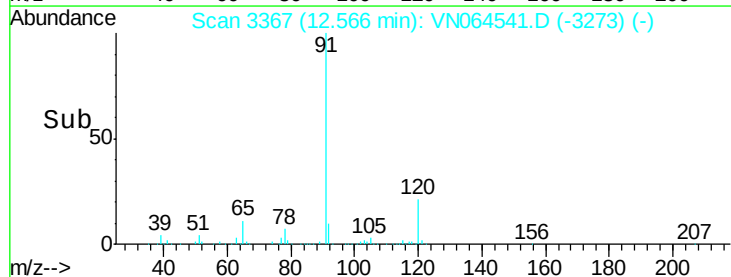
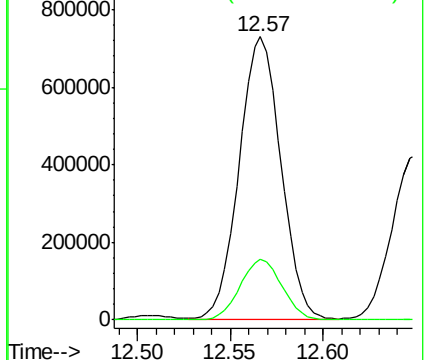
91 100

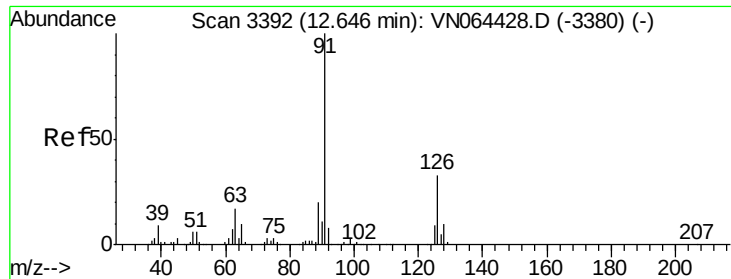
120 21.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.558 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

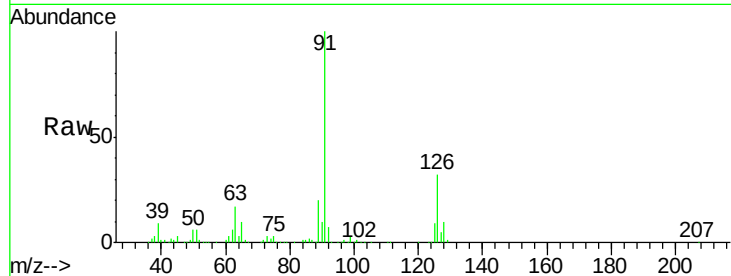
BP-VPB178-GW-498-500MS

Tot Ion: 91 Resp: 696151

Ion Ratio Lower Upper

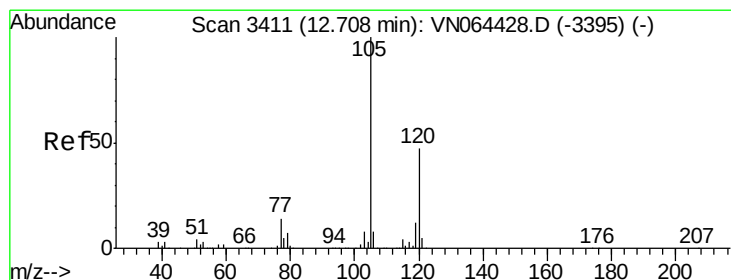
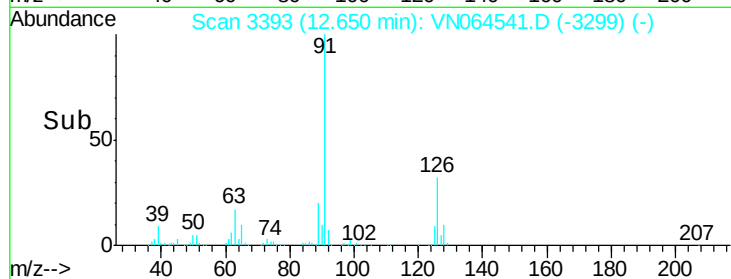
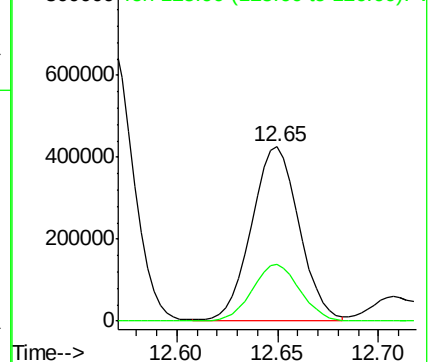
91 100

126 32.8 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN064541.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN064541.D (-3393) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.623 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064541.D

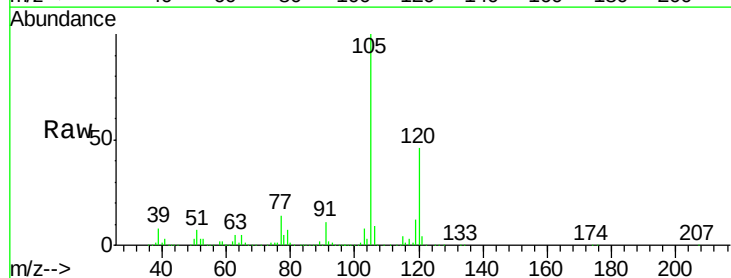
Acq: 10 Nov 2020 21:26

Tgt Ion: 105 Resp: 828718

Ion Ratio Lower Upper

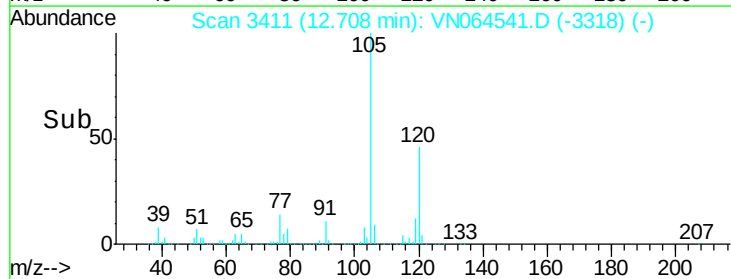
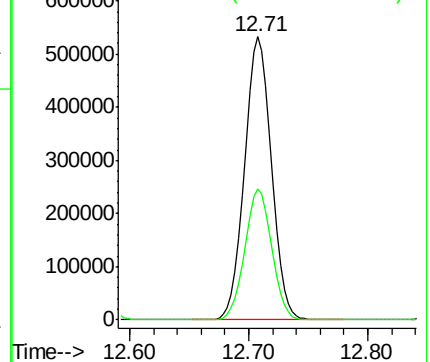
105 100

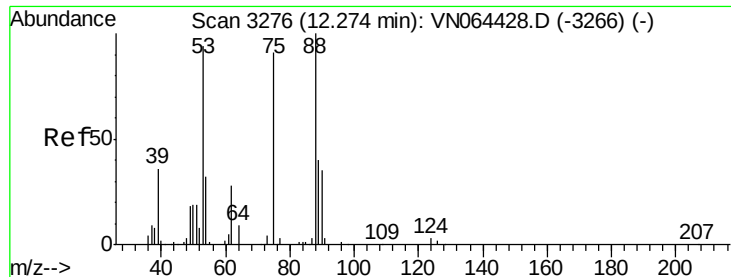
120 46.4 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064541.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064541.D (-3411) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.932 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

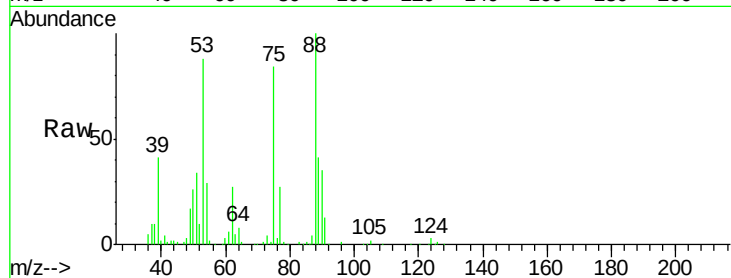
Tot Ion: 75 Resp: 101516

Ion Ratio Lower Upper

75 100

53 105.7 84.0 126.0

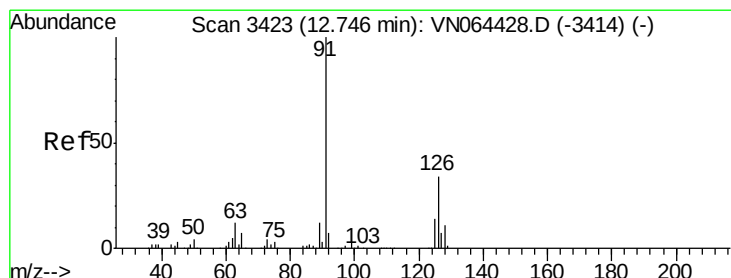
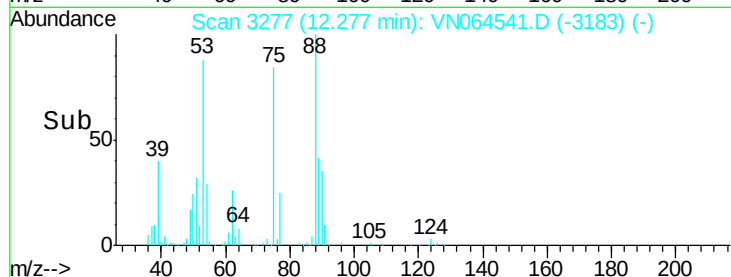
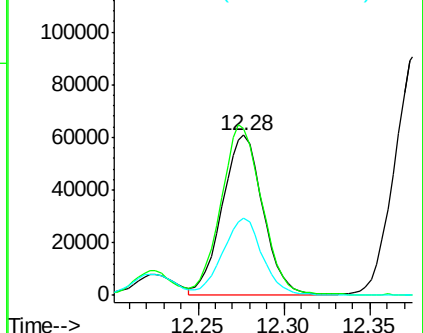
89 46.7 36.3 54.5



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



#82

4-Chlorotoluene

Concen: 48.966 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064541.D

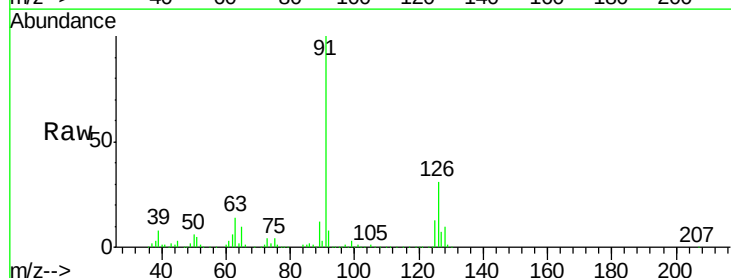
Acq: 10 Nov 2020 21:26

Tgt Ion: 91 Resp: 750629

Ion Ratio Lower Upper

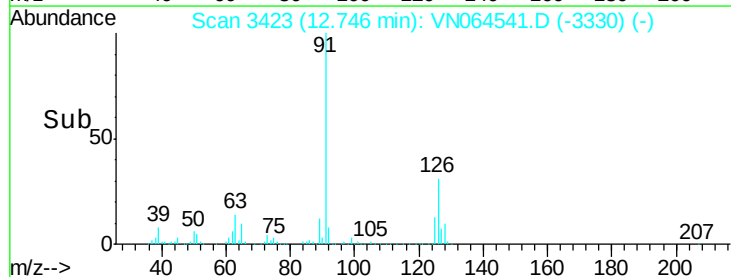
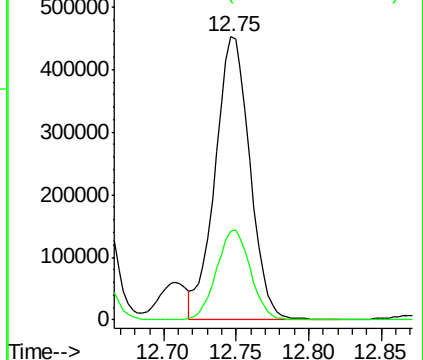
91 100

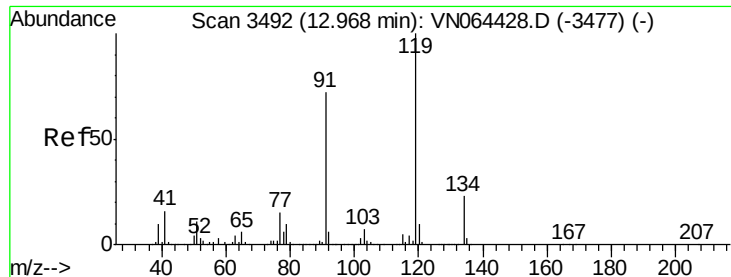
126 31.0 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

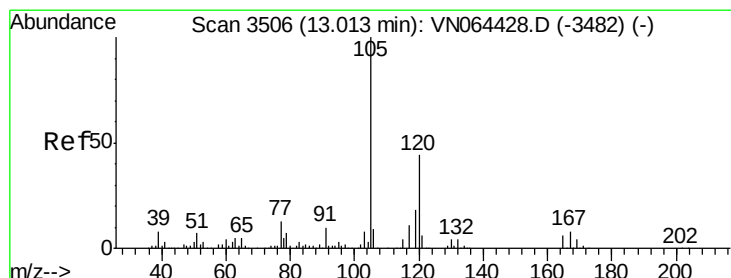
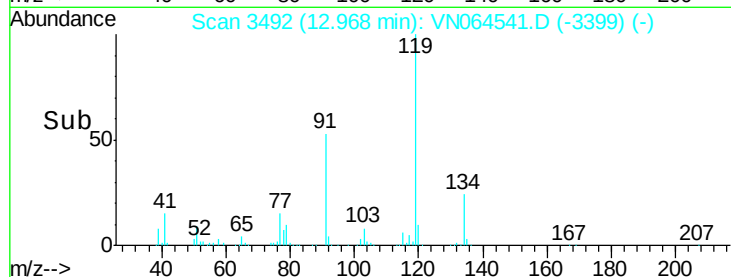
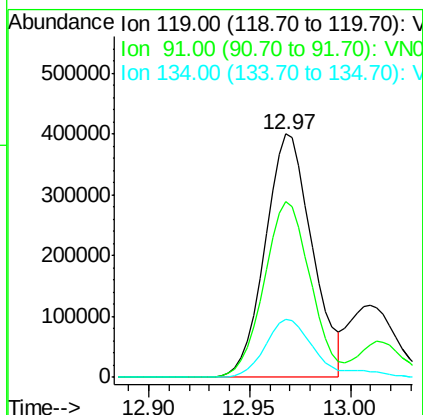
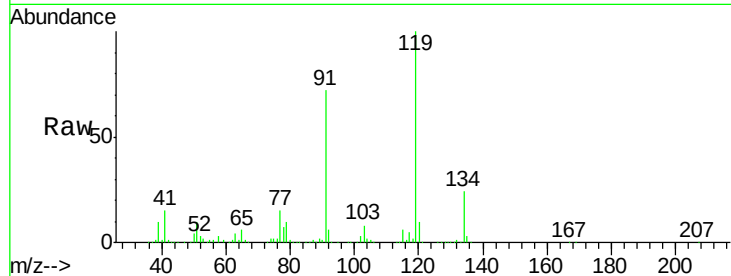




#83
tert-Butylbenzene
Concen: 49.537 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

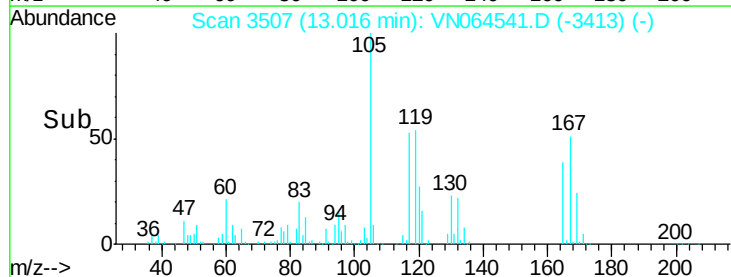
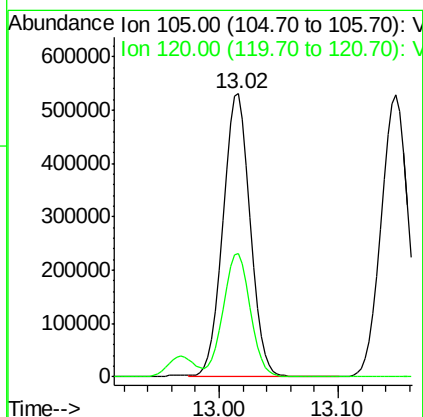
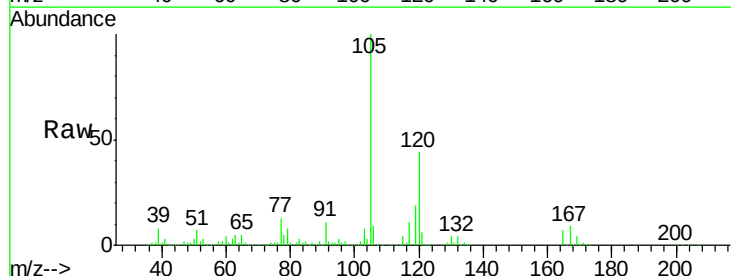
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

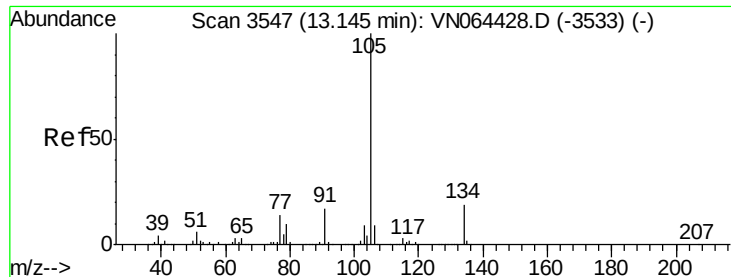
Tot Ion:119 Resp: 646127
Ion Ratio Lower Upper
119 100
91 71.4 36.1 108.3
134 23.6 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 50.024 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion:105 Resp: 839825
Ion Ratio Lower Upper
105 100
120 43.6 21.9 65.7





#85

sec-Butylbenzene

Concen: 50.758 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

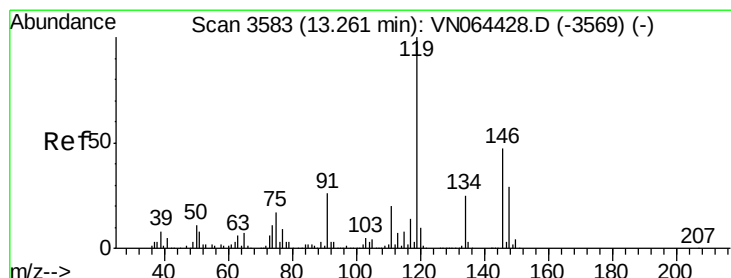
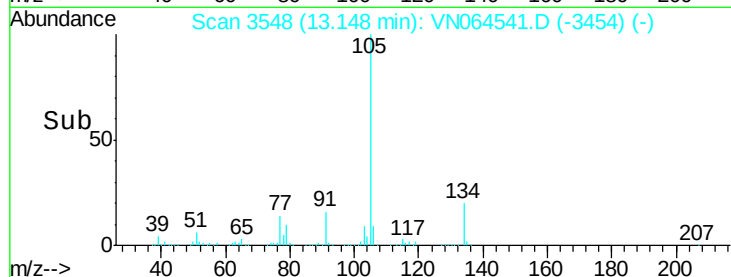
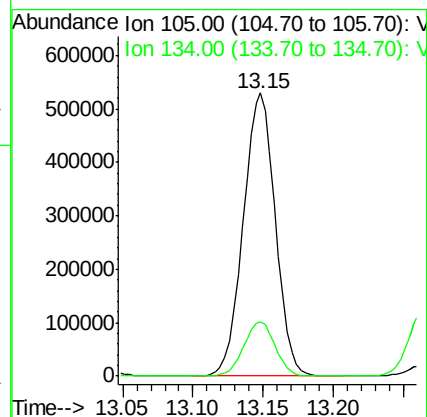
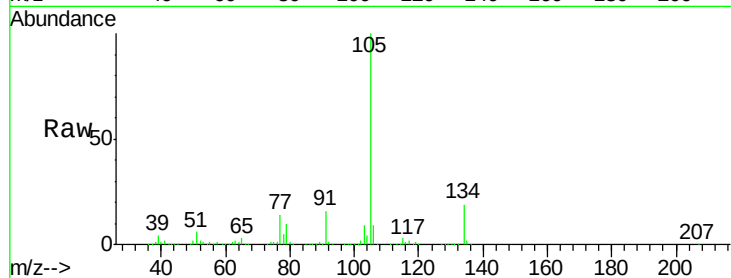
BP-VPB178-GW-498-500MS

Tot Ion:105 Resp: 838459

Ion Ratio Lower Upper

105 100

134 19.0 9.4 28.2



#86

p-Isopropyltoluene

Concen: 51.023 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

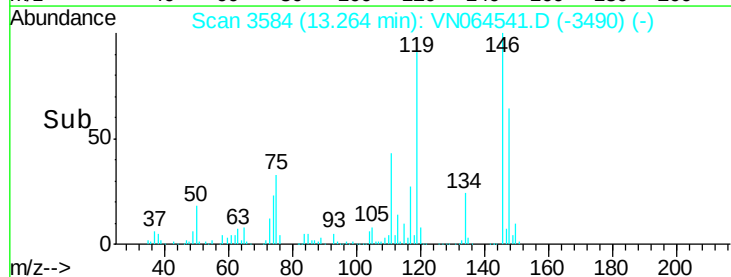
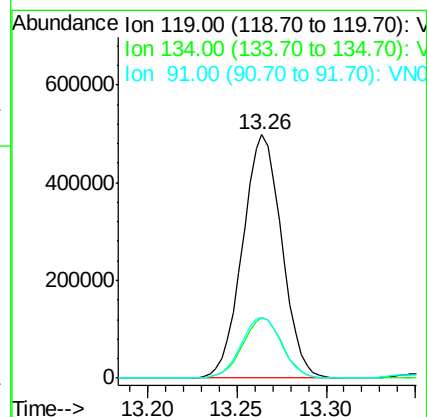
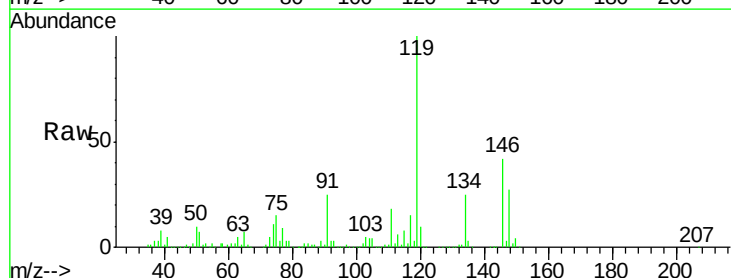
Tgt Ion:119 Resp: 758114

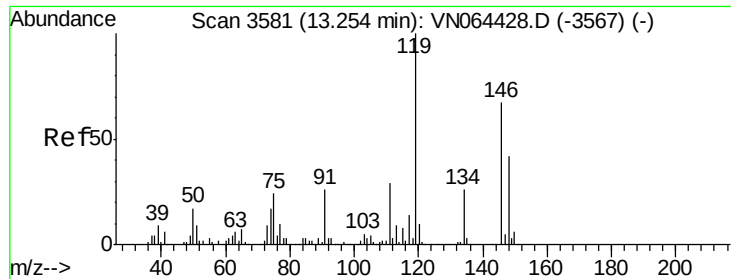
Ion Ratio Lower Upper

119 100

134 25.0 12.6 37.6

91 25.7 12.8 38.3

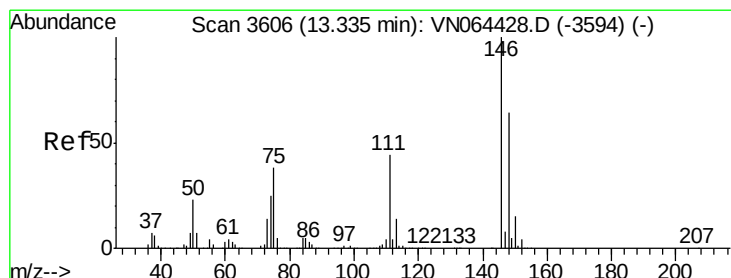
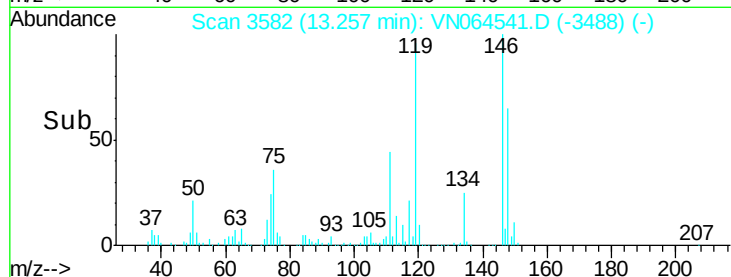
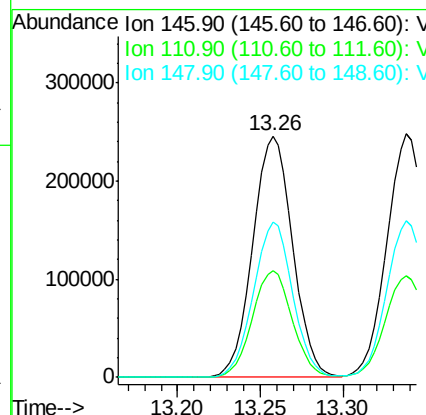
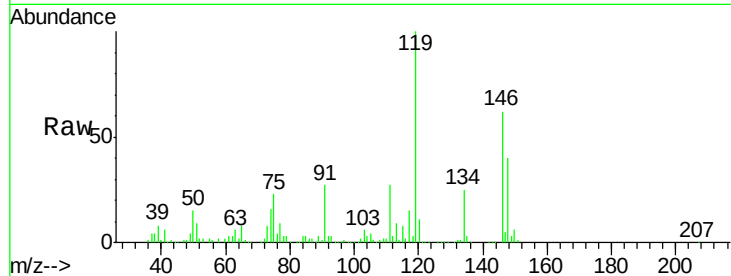




#87
 1,3-Dichlorobenzene
 Concen: 48.225 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

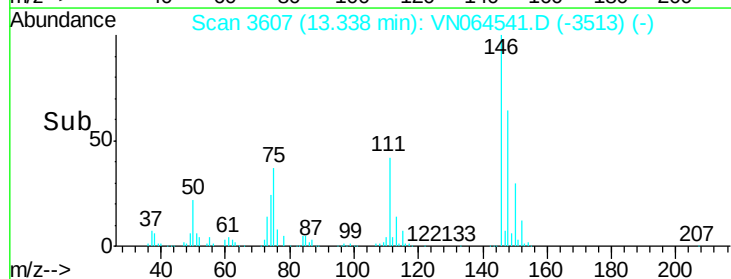
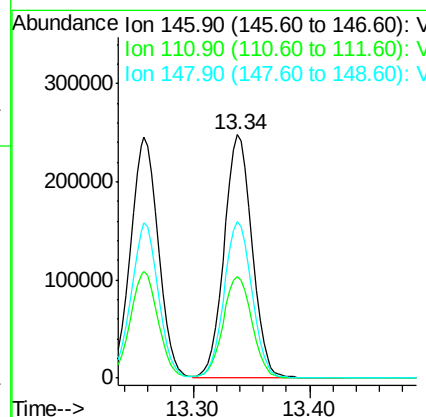
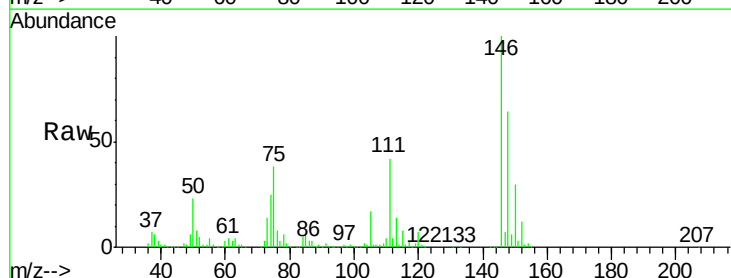
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

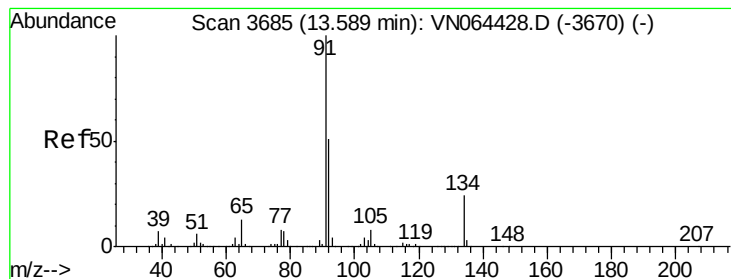
Tot Ion:146 Resp: 412012
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.1 66.1
 148 63.1 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 46.802 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion:146 Resp: 413220
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.8 65.3
 148 64.0 32.4 97.2





#89

n-Butylbenzene

Concen: 50.153 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

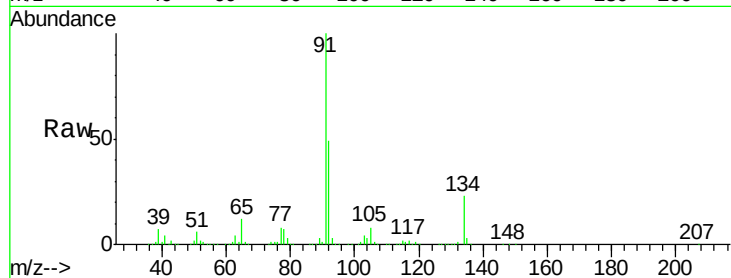
Tot Ion: 91 Resp: 640709

Ion Ratio Lower Upper

91 100

92 50.1 25.3 75.9

134 23.3 11.8 35.4

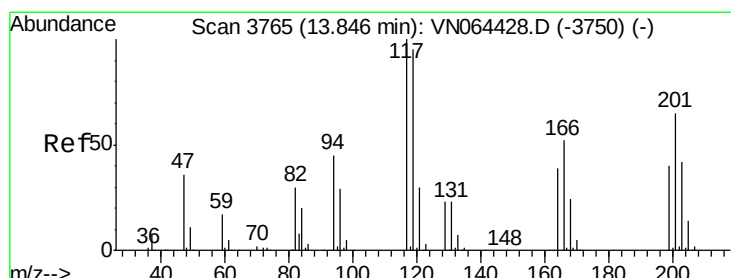
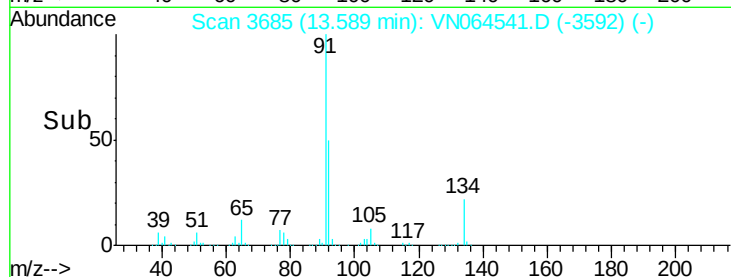


Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN064428.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN064428.D (-3670) (-)

Time-->



#90

Hexachloroethane

Concen: 51.216 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064541.D

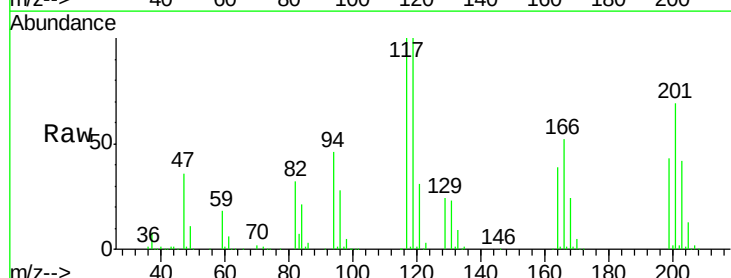
Acq: 10 Nov 2020 21:26

Tgt Ion: 117 Resp: 146799

Ion Ratio Lower Upper

117 100

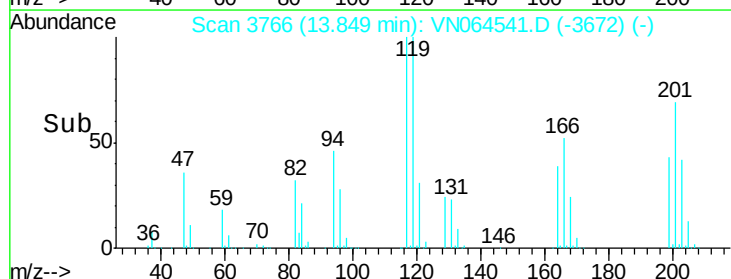
201 67.3 32.5 97.5

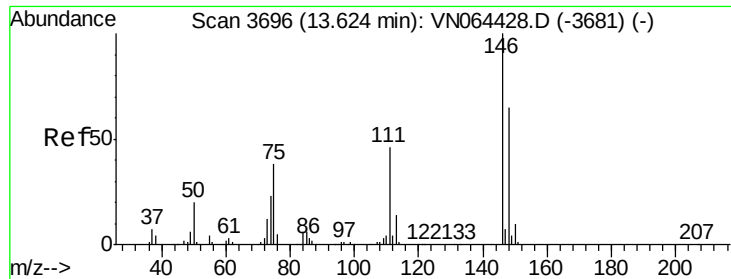


Abundance Ion 116.80 (116.50 to 117.50): VN064428.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN064428.D (-3750) (-)

Time-->

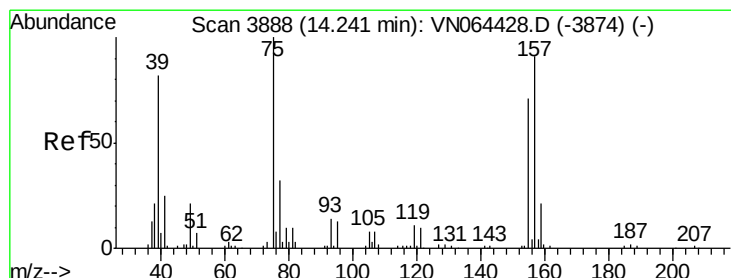
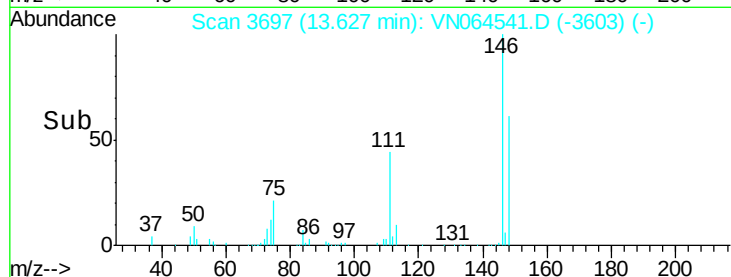
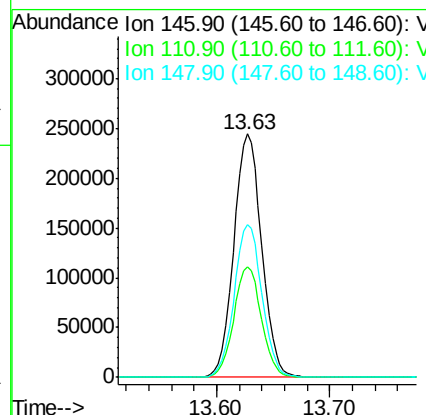
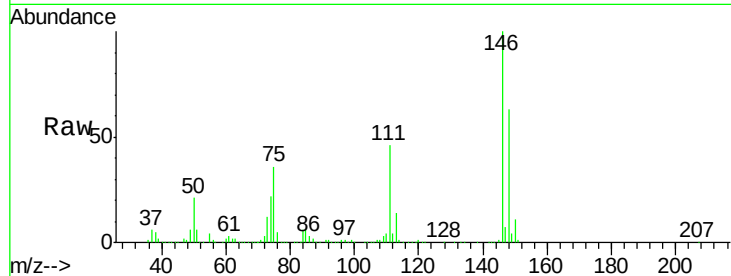




#91
 1,2-Dichlorobenzene
 Concen: 50.939 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

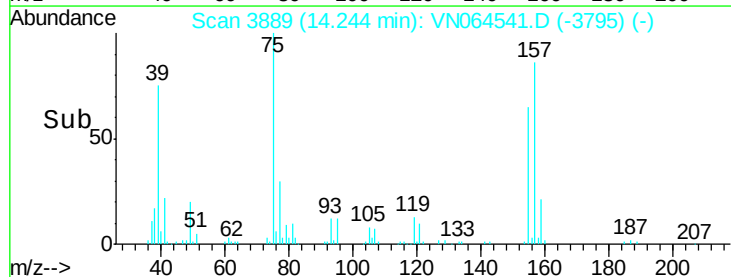
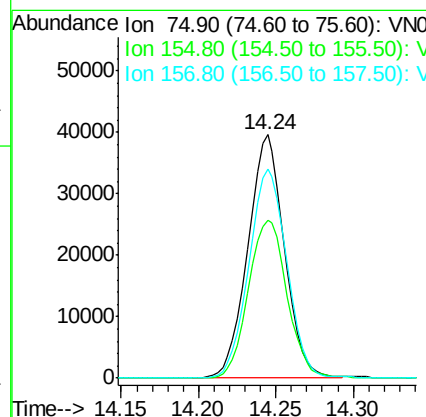
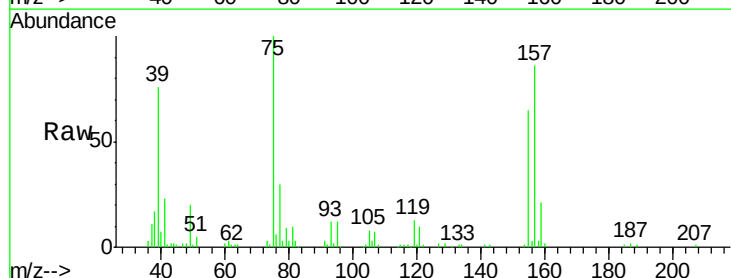
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

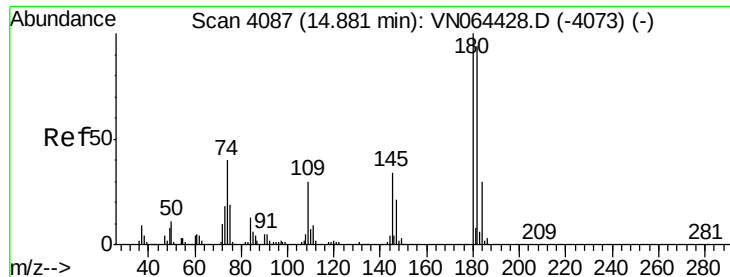
Tot Ion:146 Resp: 418617
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.9 68.7
 148 62.5 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.578 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion: 75 Resp: 65090
 Ion Ratio Lower Upper
 75 100
 155 68.8 34.6 103.9
 157 89.2 43.0 128.8

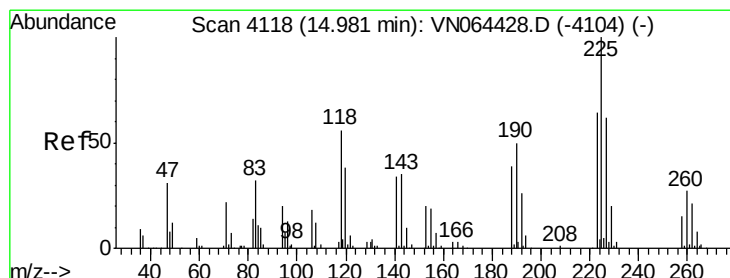
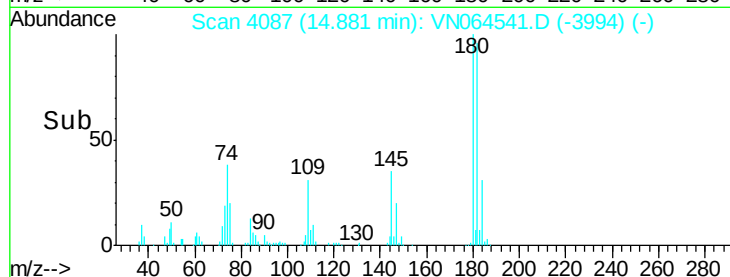
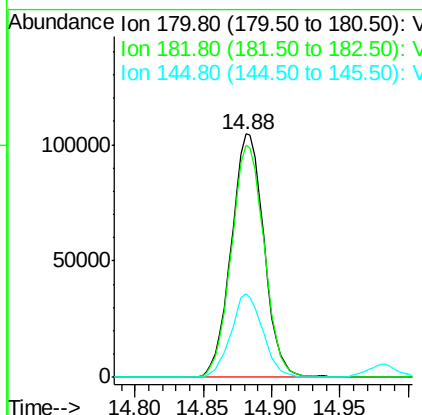
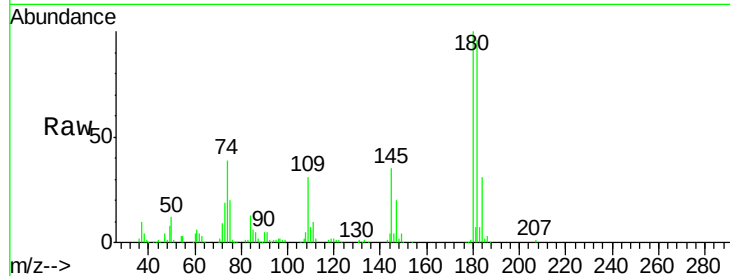




#93
 1,2,4-Trichlorobenzene
 Concen: 43.048 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

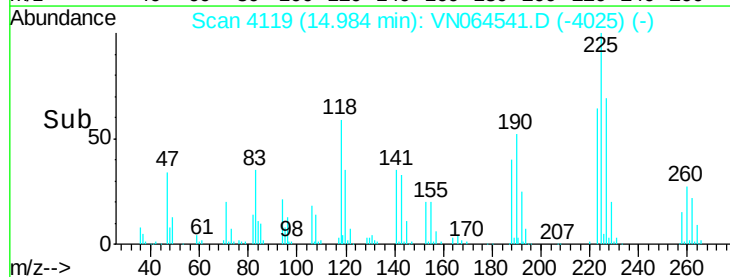
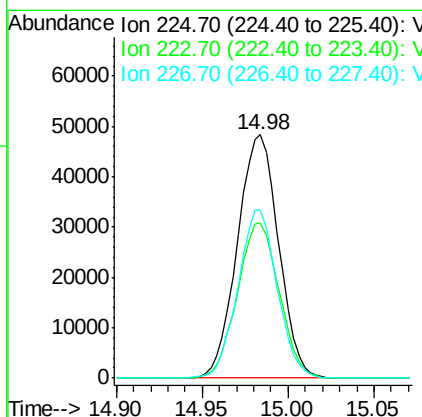
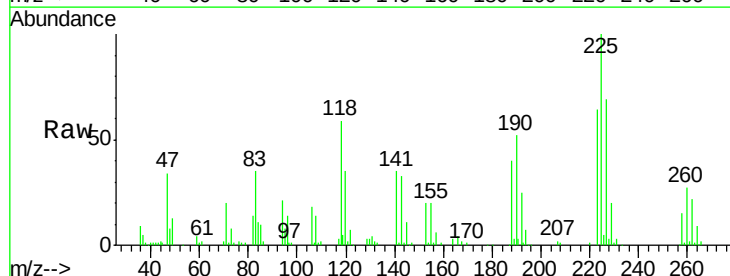
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

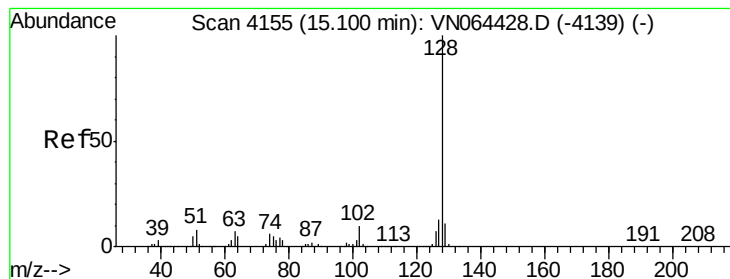
Tot Ion:180 Resp: 174331
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.3 142.0
 145 33.3 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 48.033 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion:225 Resp: 80369
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.8 95.4
 227 65.7 31.8 95.4





#95

Naphthalene

Concen: 41.847 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

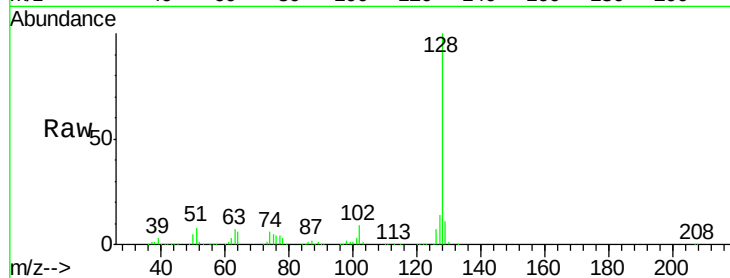
Tot Ion:128 Resp: 575666

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

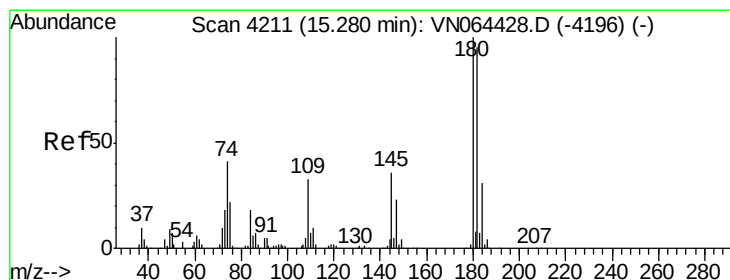
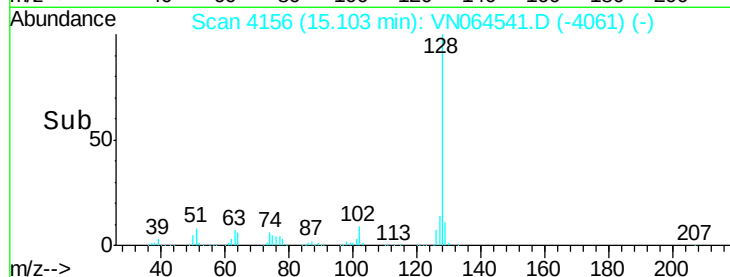
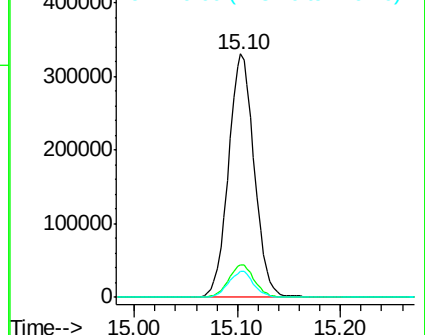
129 10.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 44.631 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

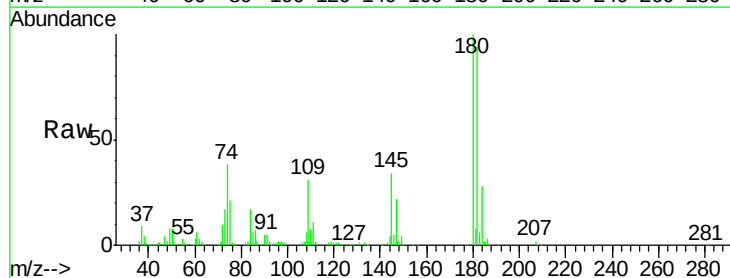
Tgt Ion:180 Resp: 175219

Ion Ratio Lower Upper

180 100

182 94.4 47.7 143.1

145 34.0 18.3 54.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

