

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064542.D
 Acq On : 10 Nov 2020 21:50
 Operator : JC/MD
 Sample : L4684-10MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Nov 11 01:57:53 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	312708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	556219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	522047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	250171	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	265576	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
35) Dibromofluoromethane	7.55	113	182199	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	10.06	98	690675	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
62) 4-Bromofluorobenzene	12.38	95	263311	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	191798	47.117	ug/l	99
3) Chloromethane	2.04	50	239690	48.477	ug/l	99
4) Vinyl Chloride	2.17	62	255355	50.292	ug/l	99
5) Bromomethane	2.53	94	160767	49.563	ug/l	98
6) Chloroethane	2.67	64	163807	50.390	ug/l	100
7) Trichlorofluoromethane	2.99	101	373640	49.975	ug/l	99
8) Diethyl Ether	3.38	74	133983	50.746	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	168247	47.388	ug/l	99
10) Methyl Iodide	3.91	142	207808	50.372	ug/l	99
11) Tert butyl alcohol	4.75	59	159073	264.822	ug/l	99
12) 1,1-Dichloroethene	3.69	96	251651	75.247	ug/l	95
13) Acrolein	3.57	56	135039	362.430	ug/l	97
14) Allyl chloride	4.28	41	315031	48.154	ug/l	99
15) Acrylonitrile	4.94	53	446266	266.848	ug/l	98
16) Acetone	3.78	43	587512	283.163	ug/l	100
17) Carbon Disulfide	4.01	76	487934	48.788	ug/l	100
18) Methyl Acetate	4.28	43	202501	49.644	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	601636	49.984	ug/l	# 74
20) Methylene Chloride	4.51	84	212451	51.608	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	191104	50.327	ug/l	99
22) Diisopropyl ether	5.91	45	718917	51.768	ug/l	99
23) Vinyl Acetate	5.85	43	2816650	249.319	ug/l	99
24) 1,1-Dichloroethane	5.80	63	646697	84.744	ug/l	100
25) 2-Butanone	6.79	43	608561	230.200	ug/l	100
26) 2,2-Dichloropropane	6.78	77	289865	41.960	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	215860	49.059	ug/l	98
28) Bromochloromethane	7.15	49	183696	48.972	ug/l	99
29) Tetrahydrofuran	7.17	42	408515	251.871	ug/l	99
30) Chloroform	7.33	83	406287	50.649	ug/l	99
31) Cyclohexane	7.62	56	298965	45.152	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	390261	54.853	ug/l	98
36) 1,1-Dichloropropene	7.75	75	288741	49.139	ug/l	98
37) Ethyl Acetate	6.89	43	266383	44.748	ug/l	100
38) Carbon Tetrachloride	7.73	117	321461	51.188	ug/l	99

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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)
39) Methylcyclohexane	9.05	83	256386	48.673	ug/l	100
40) Benzene	8.00	78	3582285	207.466	ug/l	100
41) Methacrylonitrile	7.13	41	124518	47.797	ug/l	94
42) 1,2-Dichloroethane	8.09	62	559056	80.230	ug/l	98
43) Isopropyl Acetate	8.13	43	476785	50.068	ug/l	98
44) Trichloroethene	8.80	130	214668	49.276	ug/l	99
45) 1,2-Dichloropropane	9.08	63	230638	50.060	ug/l	98
46) Dibromomethane	9.18	93	155735	51.349	ug/l	99
47) Bromodichloromethane	9.37	83	335533	51.452	ug/l	99
48) Methyl methacrylate	9.17	41	246240	51.245	ug/l	97
49) 1,4-Dioxane	9.17	88	67673	1069.240	ug/l	99
51) 4-Methyl-2-Pentanone	9.96	43	1411841	254.233	ug/l	100
52) Toluene	10.13	92	534235	50.728	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	341277	49.363	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	347461	47.005	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	211641	51.530	ug/l	99
56) Ethyl methacrylate	10.40	69	305673	45.410	ug/l	99
57) 1,3-Dichloropropane	10.68	76	365311	50.958	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	107	21.568	ug/l #	51
59) 2-Hexanone	10.72	43	1007635	222.957	ug/l	100
60) Dibromochloromethane	10.87	129	243817	53.022	ug/l	100
61) 1,2-Dibromoethane	10.98	107	218506	52.450	ug/l	99
64) Tetrachloroethene	10.60	164	191323	47.577	ug/l	96
65) Chlorobenzene	11.41	112	562550	49.155	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	223228	52.285	ug/l	99
67) Ethyl Benzene	11.49	91	1029541	50.575	ug/l	99
68) m/p-Xylenes	11.59	106	762054	103.223	ug/l	99
69) o-Xylene	11.92	106	454825	63.756	ug/l	99
70) Styrene	11.94	104	632139	52.659	ug/l	98
71) Bromoform	12.10	173	159410	49.732	ug/l #	99
73) Isopropylbenzene	12.23	105	1037176	52.160	ug/l	100
74) N-amyl acetate	12.05	43	406926	42.385	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	307714	50.383	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	406700	67.096	ug/l #	100
77) Bromobenzene	12.50	156	231157	47.616	ug/l	98
78) n-propylbenzene	12.57	91	1123381	49.554	ug/l	100
79) 2-Chlorotoluene	12.65	91	692621	48.172	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	815173	49.693	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	99158	45.676	ug/l	99
82) 4-Chlorotoluene	12.75	91	733259	48.697	ug/l	99
83) tert-Butylbenzene	12.97	119	643157	50.200	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	823205	49.920	ug/l	100
85) sec-Butylbenzene	13.15	105	836600	51.560	ug/l	100
86) p-Isopropyltoluene	13.26	119	751177	51.469	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	412061	49.102	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	417610	48.154	ug/l	98
89) n-Butylbenzene	13.59	91	628222	50.064	ug/l	100
90) Hexachloroethane	13.85	117	144978	51.495	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	404807	50.148	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	63307	52.062	ug/l	98

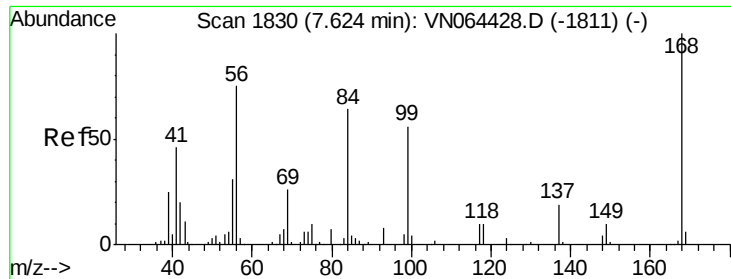
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
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Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	181341	45.430	ug/l	99
94) Hexachlorobutadiene	14.98	225	83810	50.995	ug/l	100
95) Naphthalene	15.10	128	581559	42.936	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	177379	45.913	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

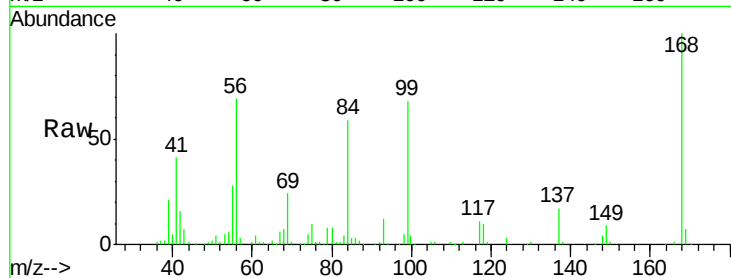
BP-VPB178-GW-498-500MSD

Tot Ion:168 Resp: 312708

Ion Ratio Lower Upper

168 100

99 67.3 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

150000

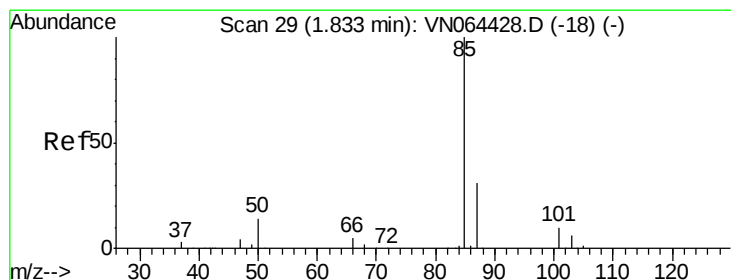
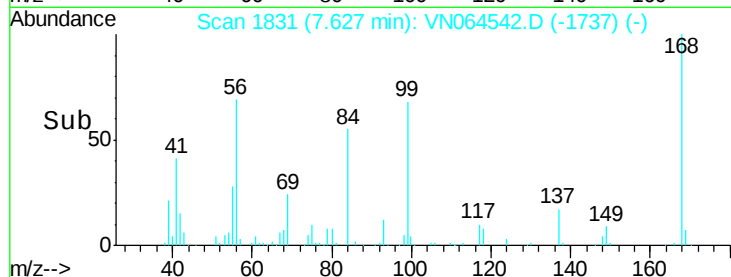
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.117 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064542.D

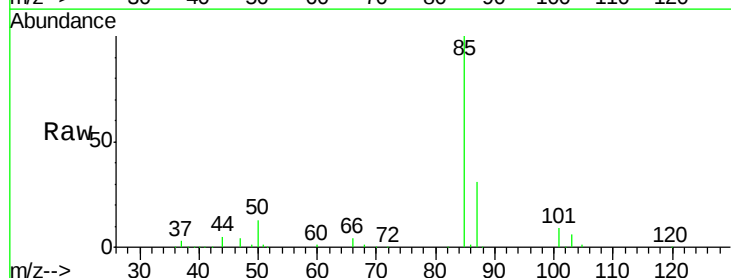
Acq: 10 Nov 2020 21:50

Tgt Ion: 85 Resp: 191798

Ion Ratio Lower Upper

85 100

87 30.6 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

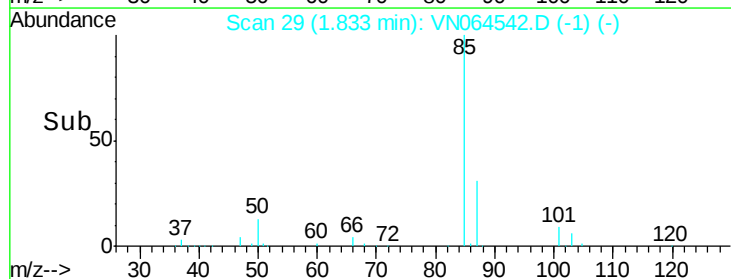
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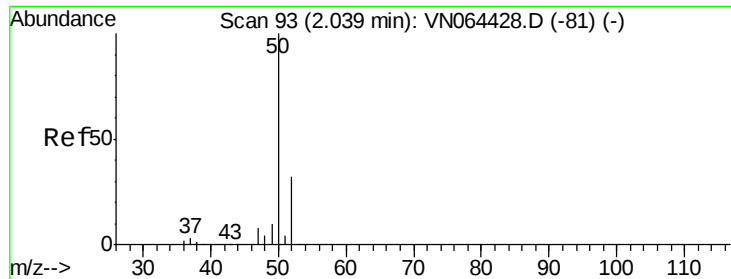
50000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 48.477 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

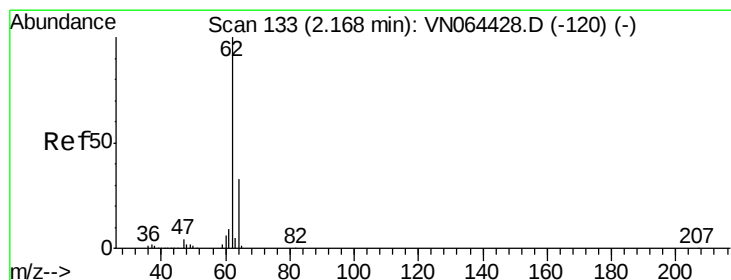
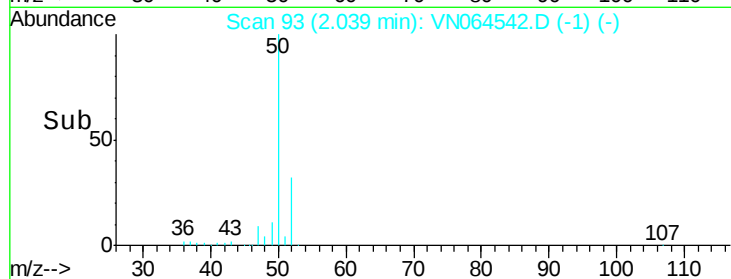
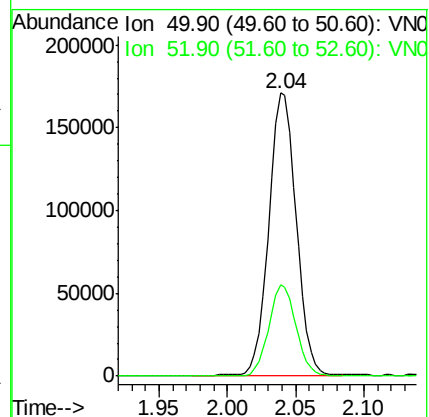
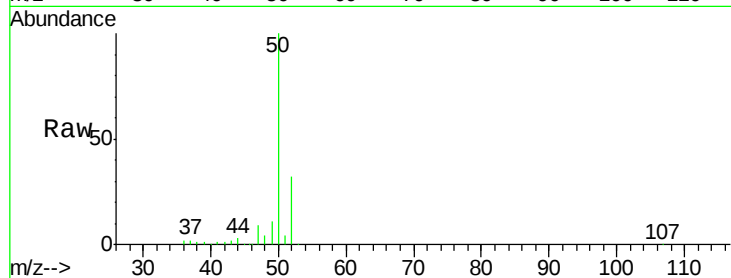
BP-VPB178-GW-498-500MSD

Tot Ion: 50 Resp: 239690

Ion Ratio Lower Upper

50 100

52 32.1 25.3 37.9



#4

Vinyl Chloride

Concen: 50.292 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064542.D

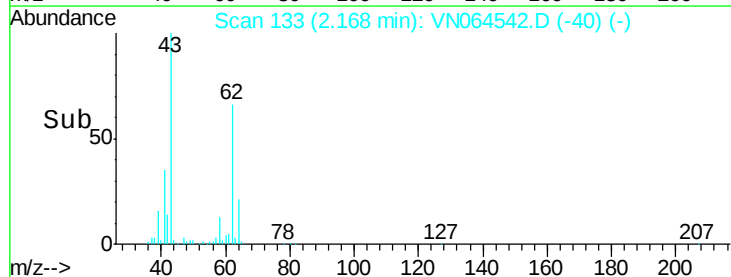
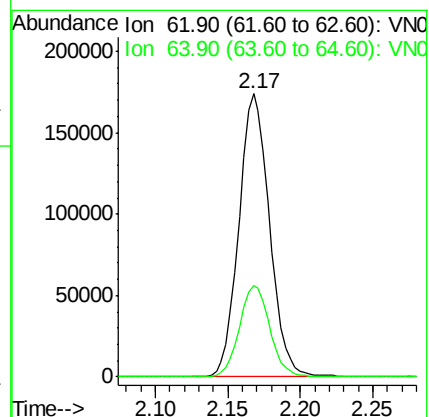
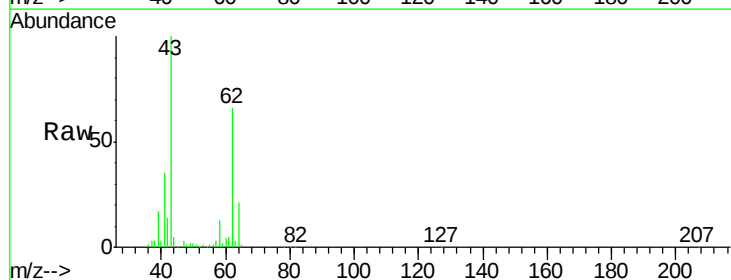
Acq: 10 Nov 2020 21:50

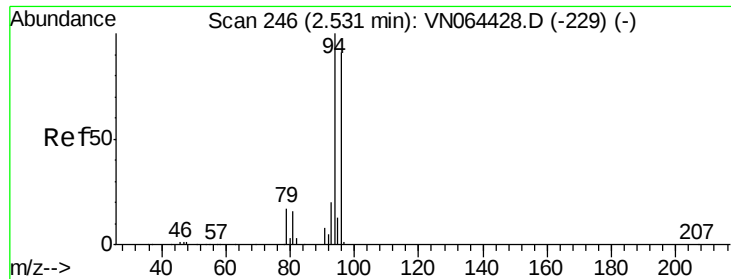
Tgt Ion: 62 Resp: 255355

Ion Ratio Lower Upper

62 100

64 32.2 26.3 39.5





#5

Bromomethane

Concen: 49.563 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

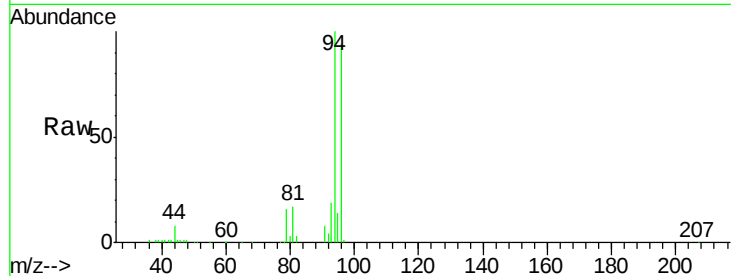
BP-VPB178-GW-498-500MSD

Tot Ion: 94 Resp: 160767

Ion Ratio Lower Upper

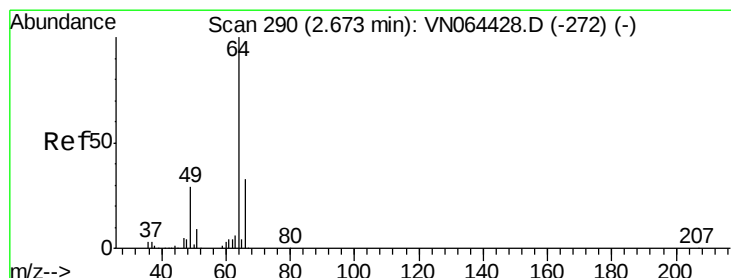
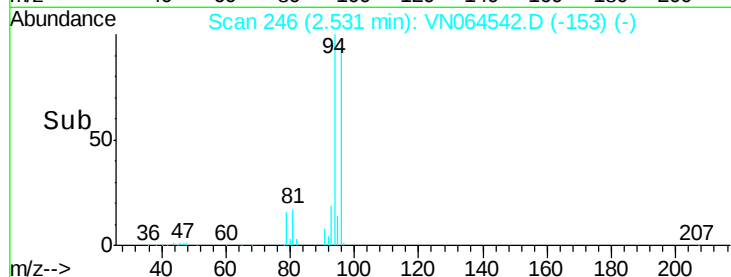
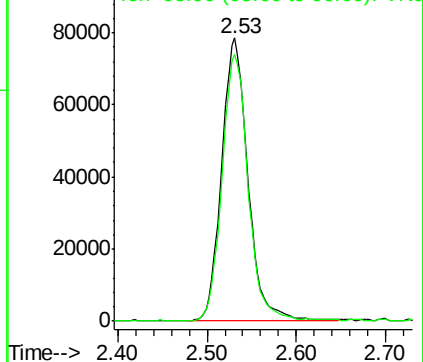
94 100

96 93.7 73.1 109.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.390 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064542.D

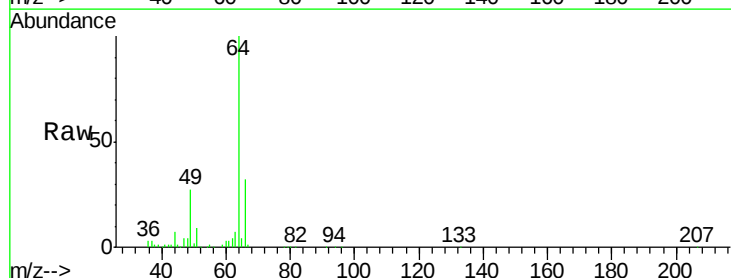
Acq: 10 Nov 2020 21:50

Tgt Ion: 64 Resp: 163807

Ion Ratio Lower Upper

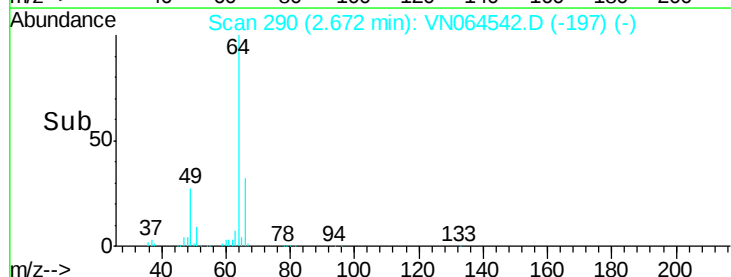
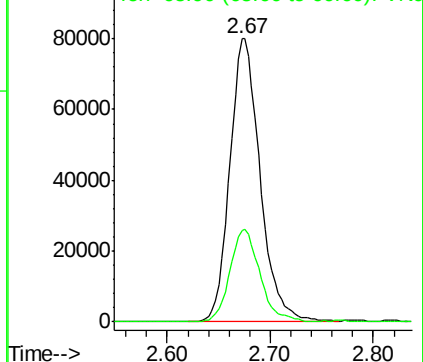
64 100

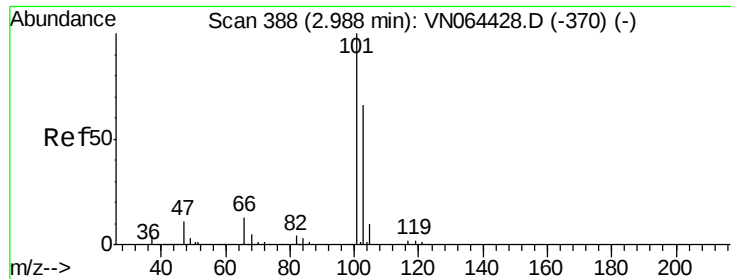
66 32.3 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



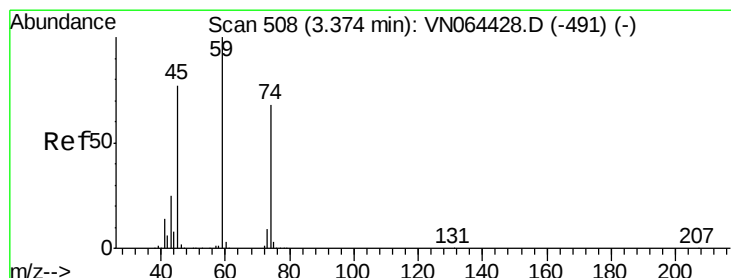
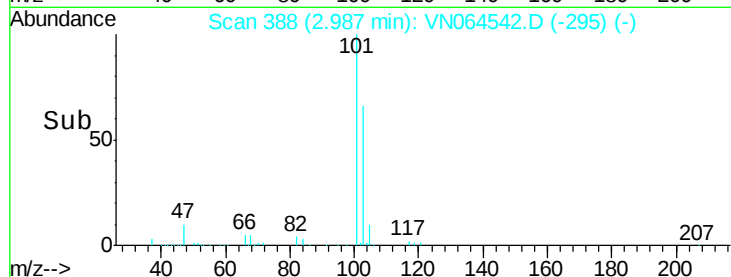
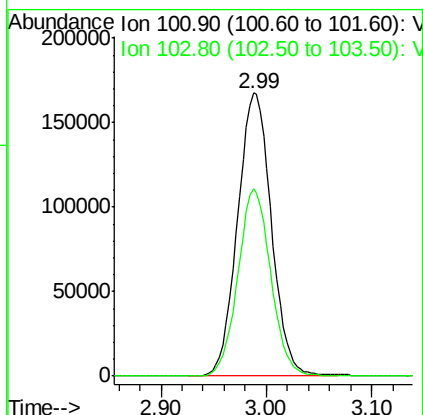
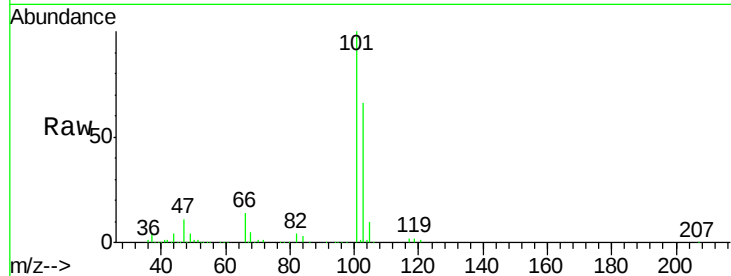


#7

Trichlorofluoromethane
 Concen: 49.975 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN064542.D
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Instrument :
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 ClientSampleId :
 BP-VPB178-GW-498-500MSD

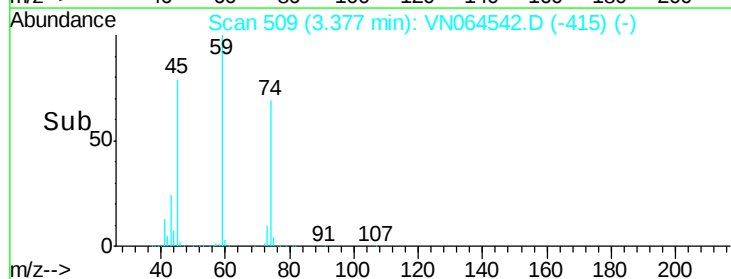
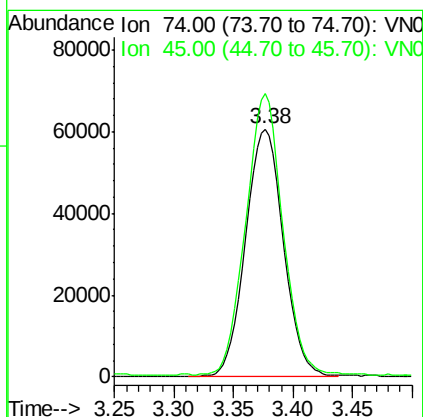
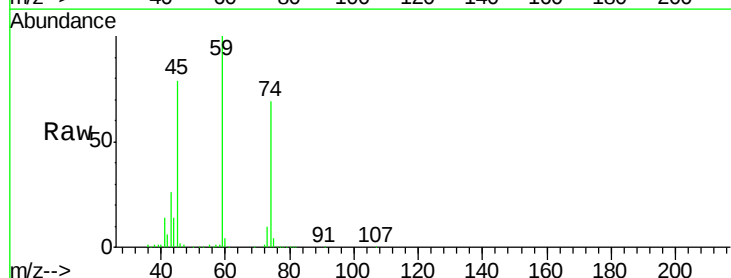
Tot Ion:101 Resp: 373640
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.4 78.6

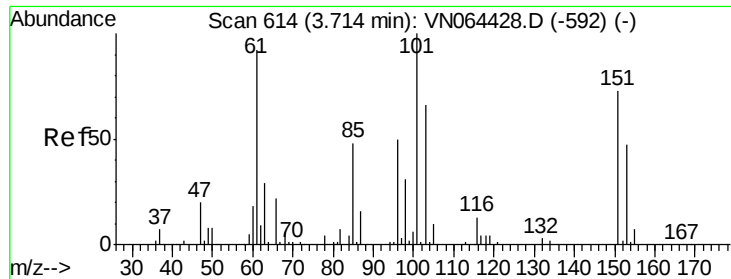


#8

Diethyl Ether
 Concen: 50.746 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

Tgt Ion: 74 Resp: 133983
 Ion Ratio Lower Upper
 74 100
 45 110.7 55.9 167.6

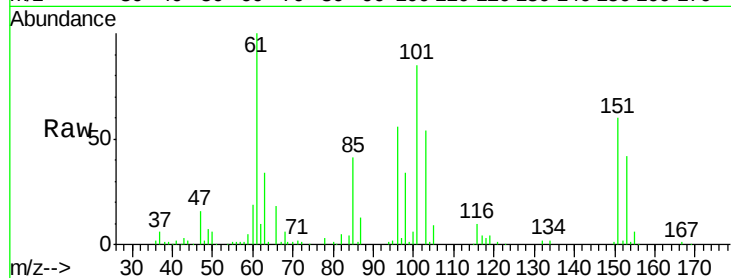




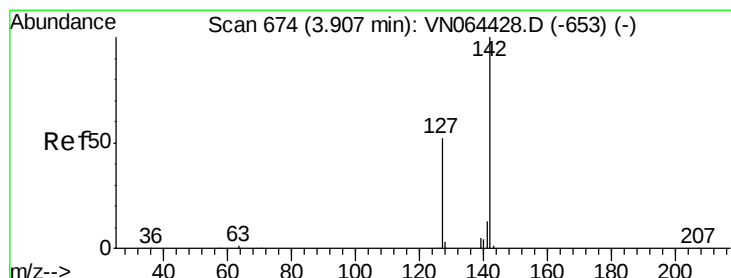
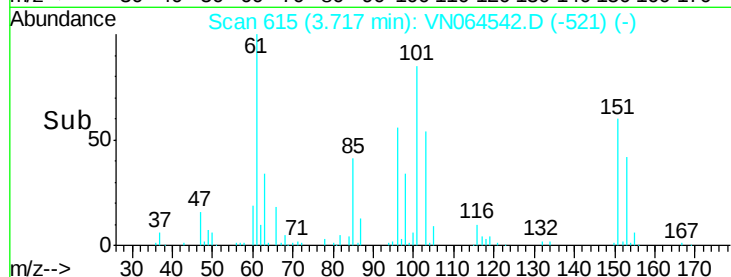
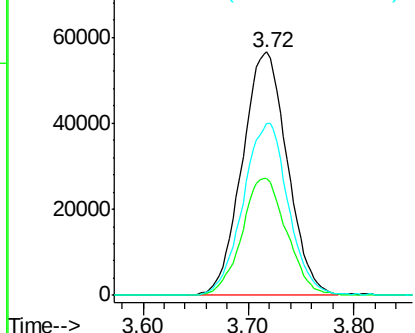
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.388 ug/l
 RT: 3.72 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

Instrument :
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 ClientSampleId :
 BP-VPB178-GW-498-500MSD

Tot Ion:101 Resp: 168247
 Ion Ratio Lower Upper
 101 100
 85 47.8 38.6 57.8
 151 70.7 57.5 86.3

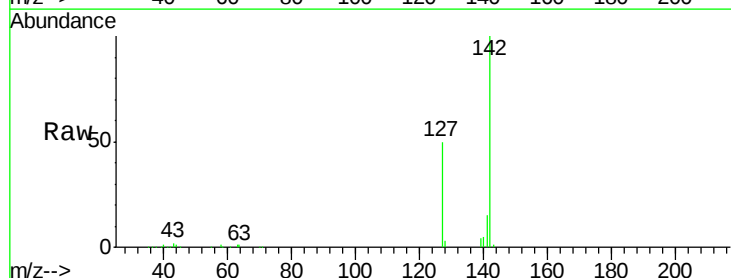


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

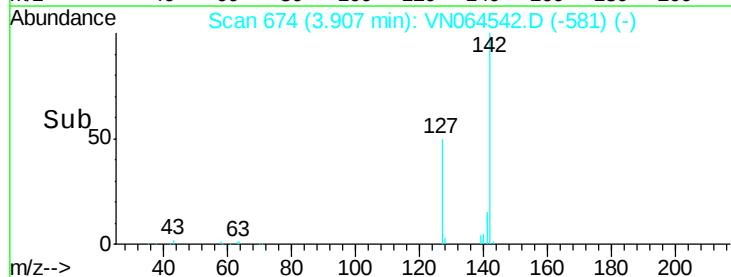
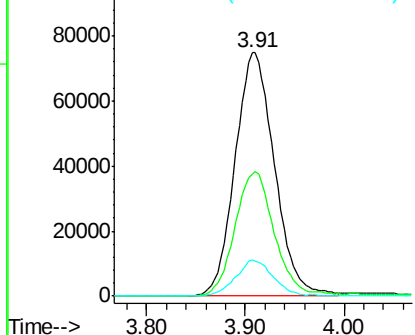


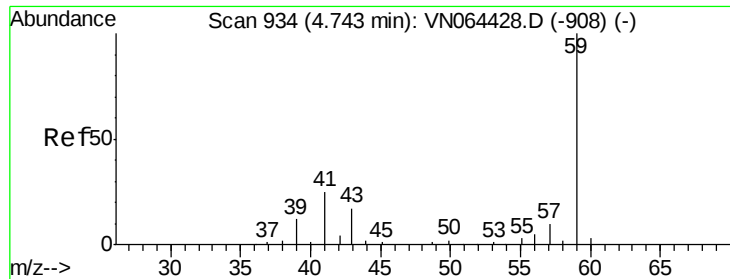
#10
 Methyl Iodide
 Concen: 50.372 ug/l
 RT: 3.91 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

Tgt Ion:142 Resp: 207808
 Ion Ratio Lower Upper
 142 100
 127 51.1 41.8 62.8
 141 14.0 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

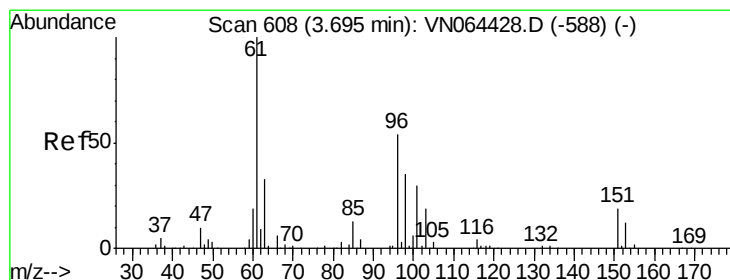
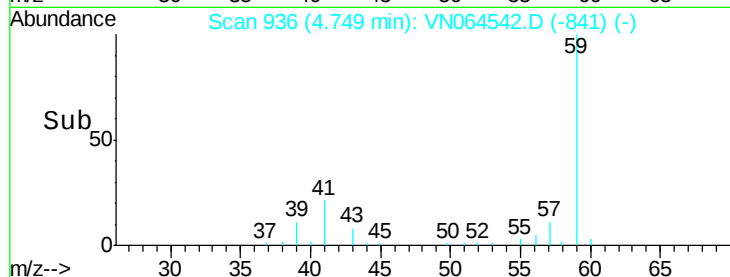
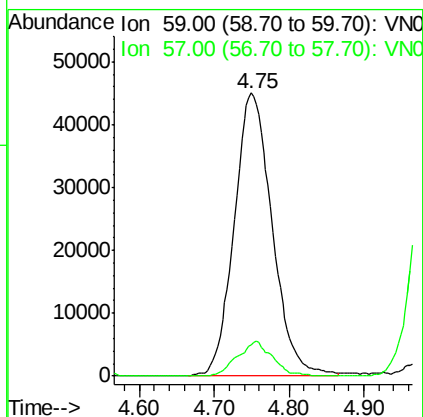
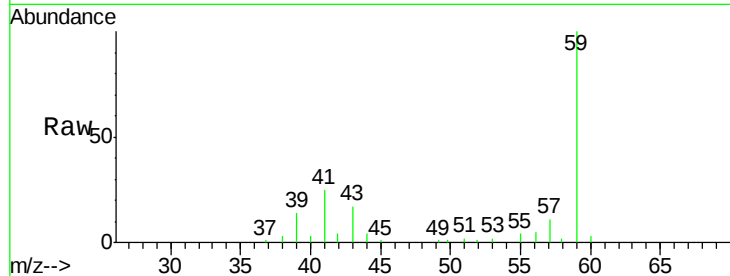




#11
Tert butyl alcohol
Concen: 264.822 ug/l
RT: 4.75 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

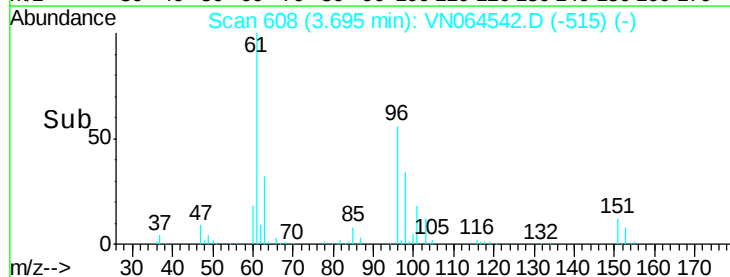
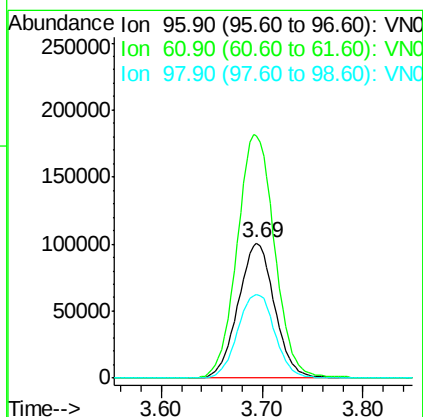
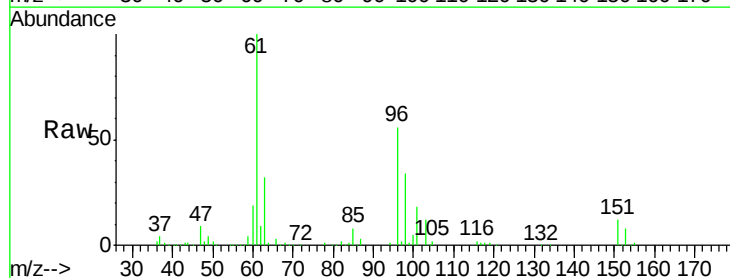
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

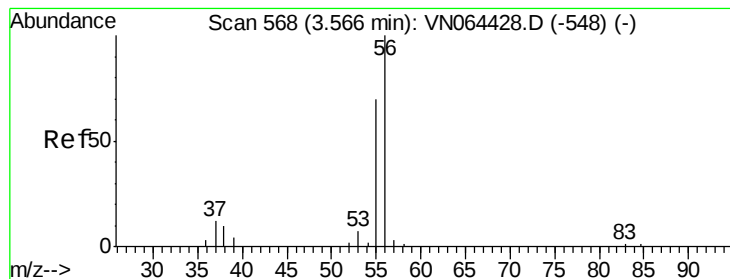
Tot Ion: 59 Resp: 159073
Ion Ratio Lower Upper
59 100
57 10.9 9.0 13.4



#12
1,1-Dichloroethene
Concen: 75.247 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion: 96 Resp: 251651
Ion Ratio Lower Upper
96 100
61 180.0 149.5 224.3
98 61.9 52.4 78.6





#13

Acrolein

Concen: 362.430 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

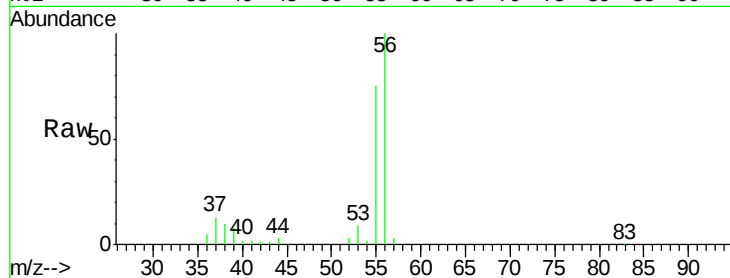
BP-VPB178-GW-498-500MSD

Tot Ion: 56 Resp: 135039

Ion Ratio Lower Upper

56 100

55 72.4 55.9 83.9

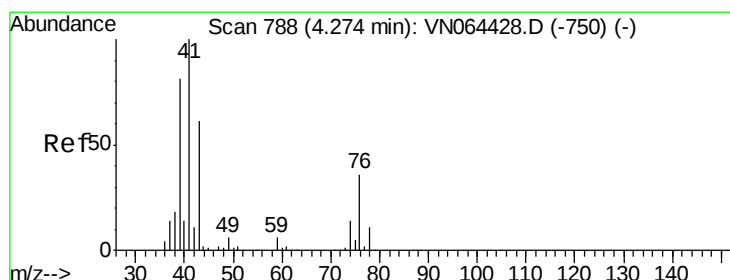
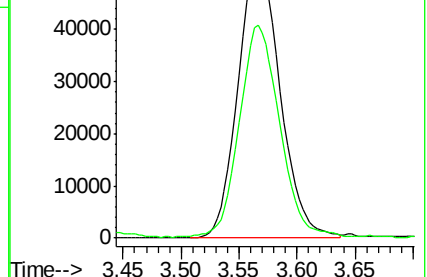
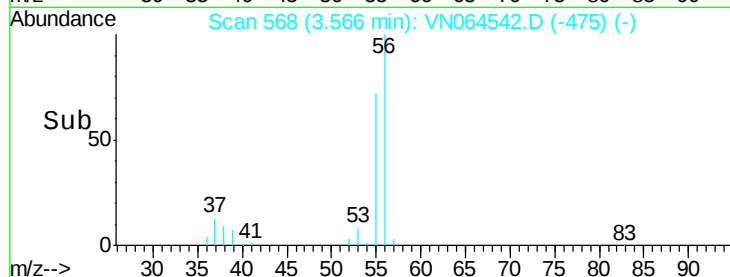


Abundance Ion 56.00 (55.70 to 56.70): VN064542.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN064542.D (-548) (-)

3.57

Time-->



#14

Allyl chloride

Concen: 48.154 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

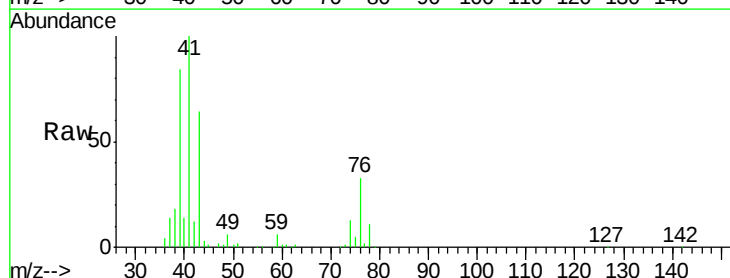
Tgt Ion: 41 Resp: 315031

Ion Ratio Lower Upper

41 100

39 78.2 61.8 92.8

76 31.9 25.4 38.0



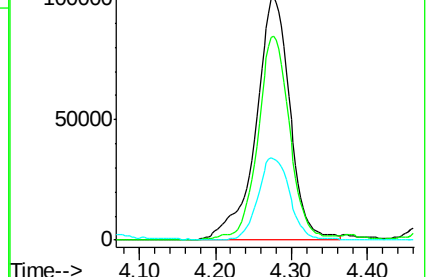
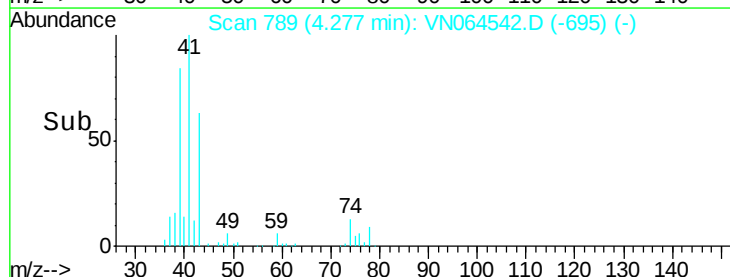
Abundance Ion 41.00 (40.70 to 41.70): VN064542.D (-695) (-)

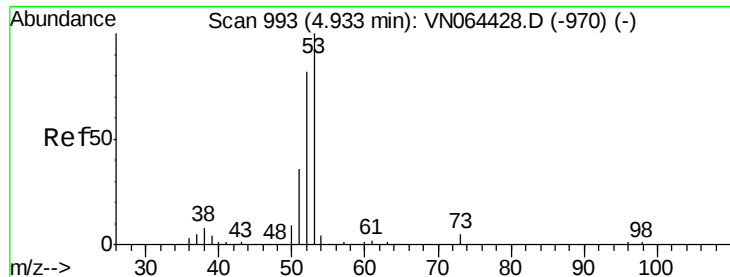
Ion 39.00 (38.70 to 39.70): VN064542.D (-695) (-)

Ion 75.90 (75.60 to 76.60): VN064542.D (-695) (-)

4.28

Time-->





#15

Acrylonitrile

Concen: 266.848 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MSD

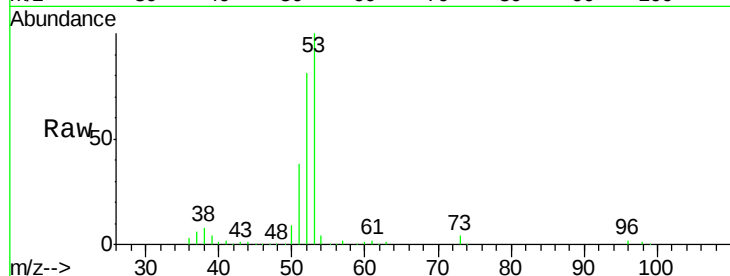
Tot Ion: 53 Resp: 446266

Ion Ratio Lower Upper

53 100

52 82.7 65.6 98.4

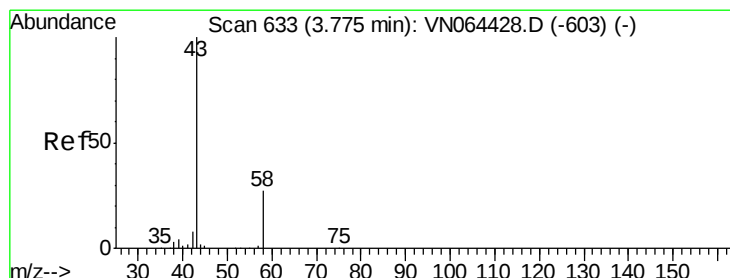
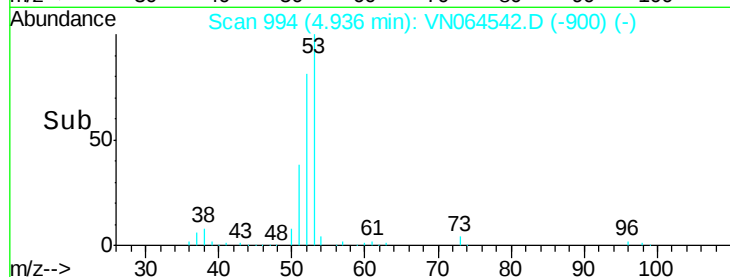
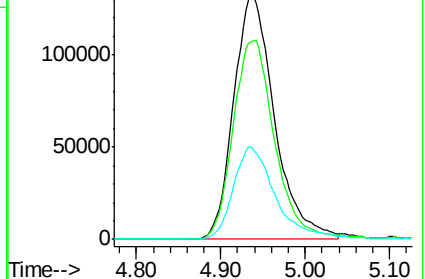
51 39.2 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN064428.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN064428.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN064428.D (-970) (-)



#16

Acetone

Concen: 283.163 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064542.D

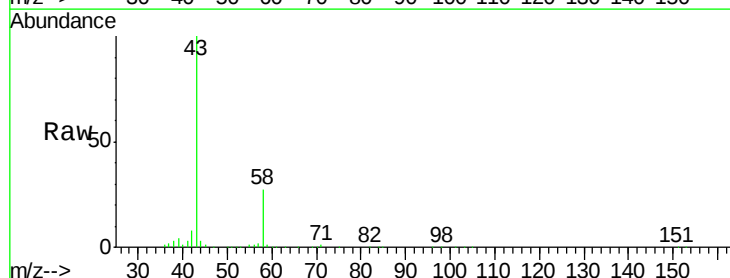
Acq: 10 Nov 2020 21:50

Tgt Ion: 43 Resp: 587512

Ion Ratio Lower Upper

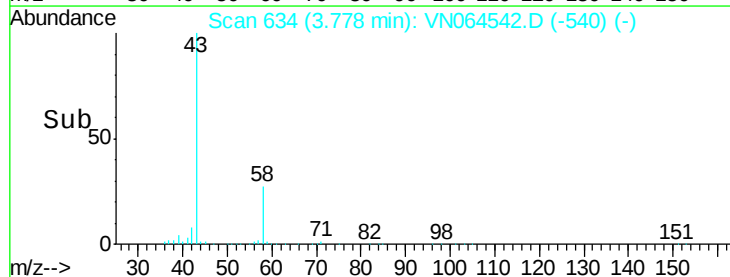
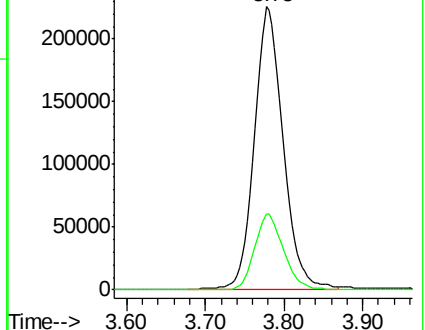
43 100

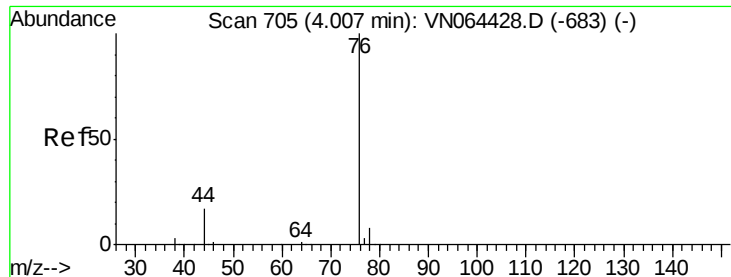
58 26.9 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-603) (-)

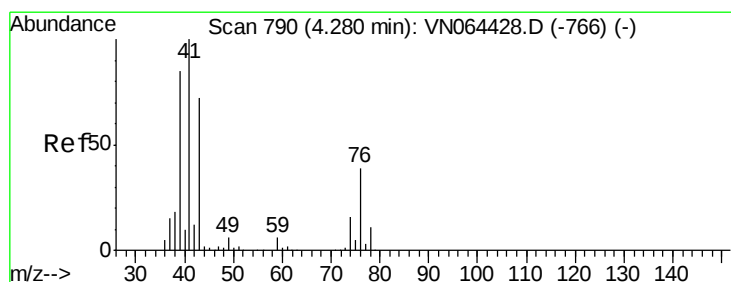
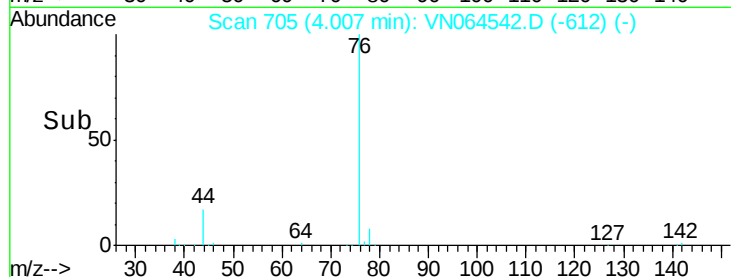
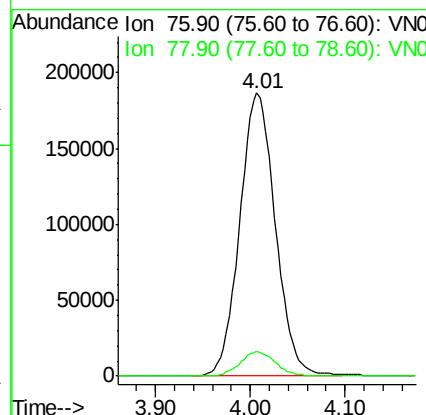
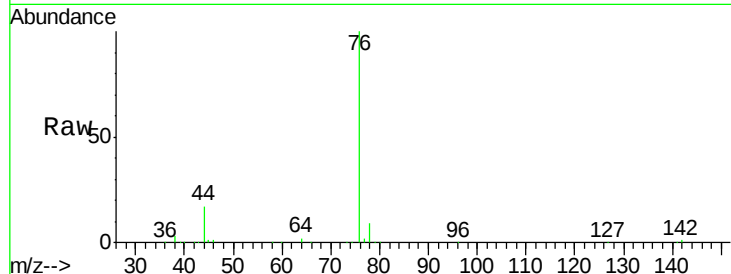




#17
Carbon Disulfide
Concen: 48.788 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

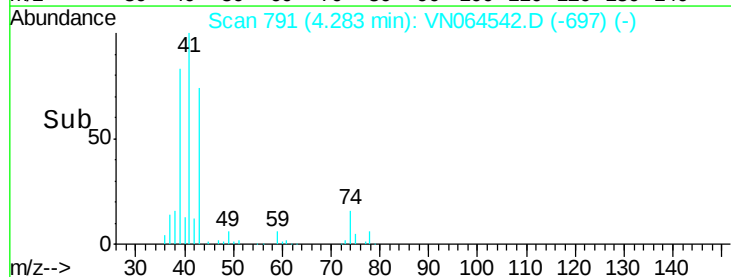
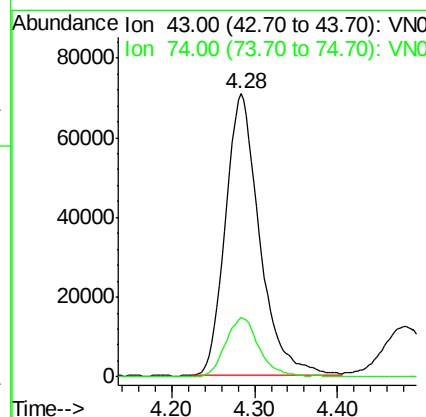
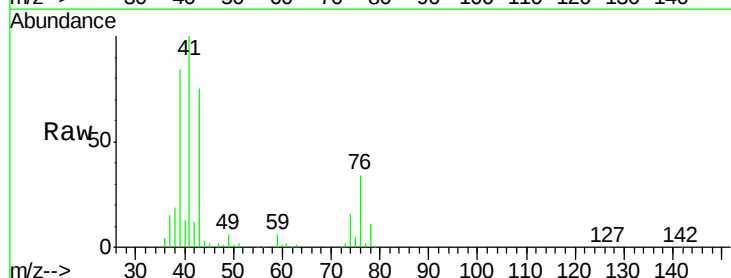
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

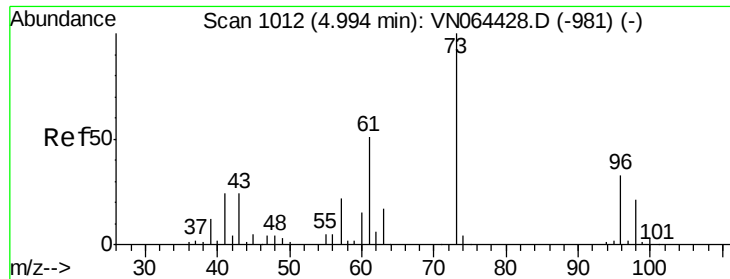
Tot Ion: 76 Resp: 487934
Ion Ratio Lower Upper
76 100
78 8.6 6.8 10.2



#18
Methyl Acetate
Concen: 49.644 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion: 43 Resp: 202501
Ion Ratio Lower Upper
43 100
74 20.6 17.0 25.4

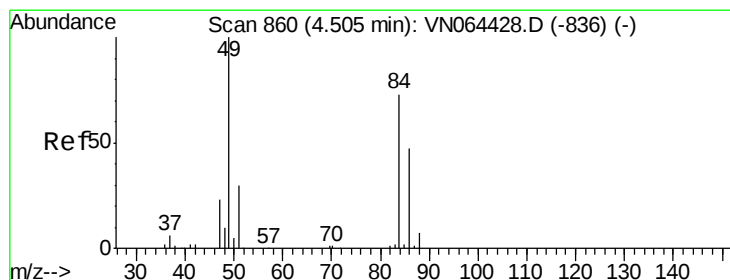
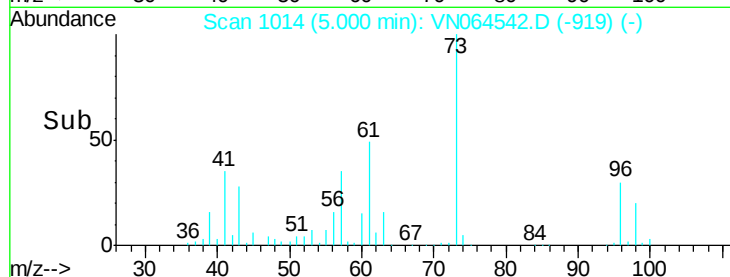
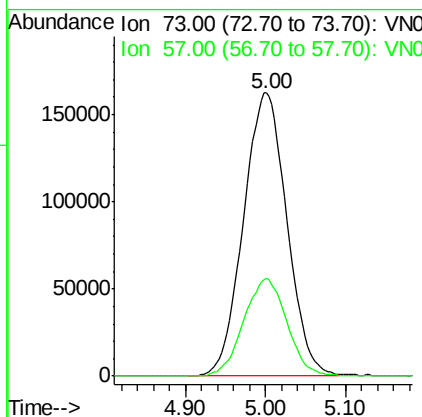
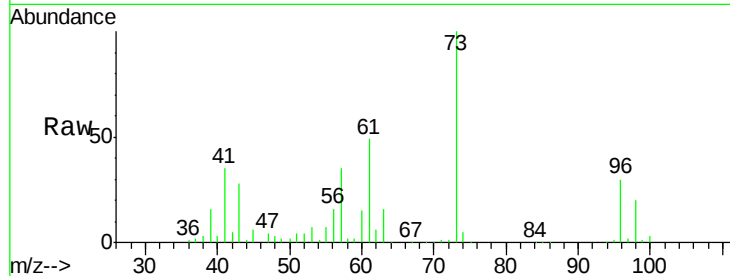




#19
Methvl tert-butvl Ether
Concen: 49.984 ug/l
RT: 5.00 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

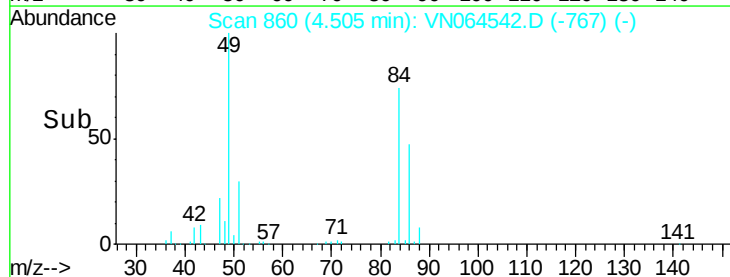
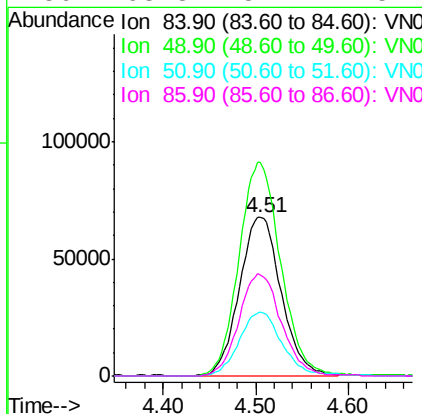
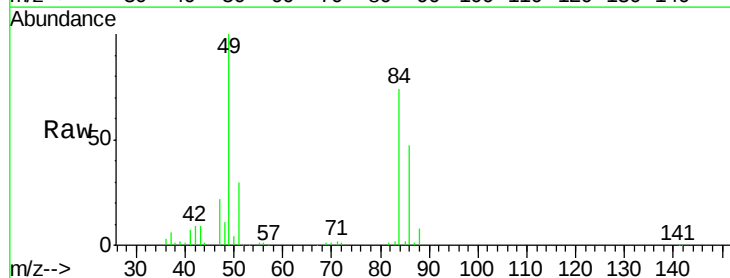
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

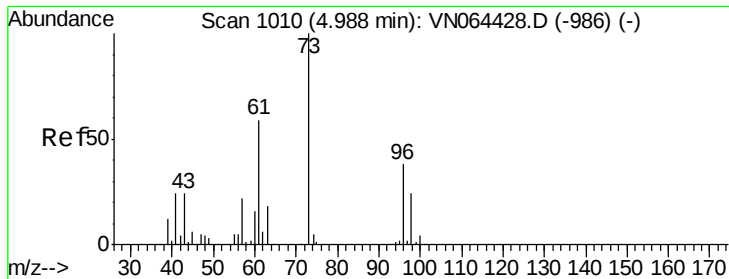
Tot Ion: 73 Resp: 601636
Ion Ratio Lower Upper
73 100
57 34.6 17.7 26.5#



#20
Methylene Chloride
Concen: 51.608 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion: 84 Resp: 212451
Ion Ratio Lower Upper
84 100
49 134.7 110.1 165.1
51 39.7 33.6 50.4
86 63.8 52.1 78.1

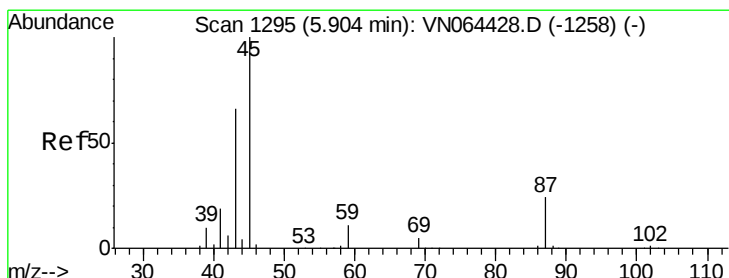
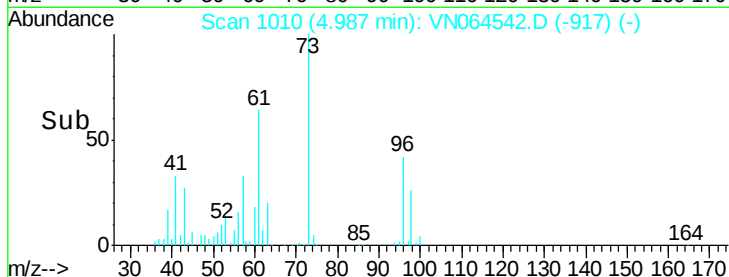
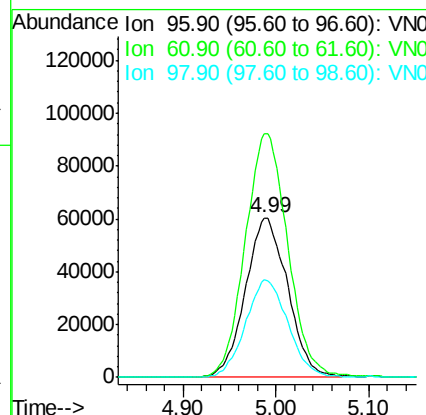
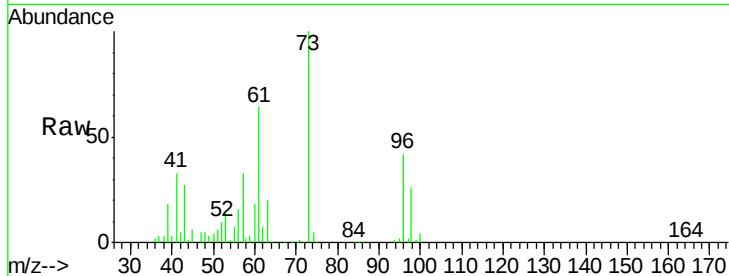




#21
trans-1,2-Dichloroethene
Concen: 50.327 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

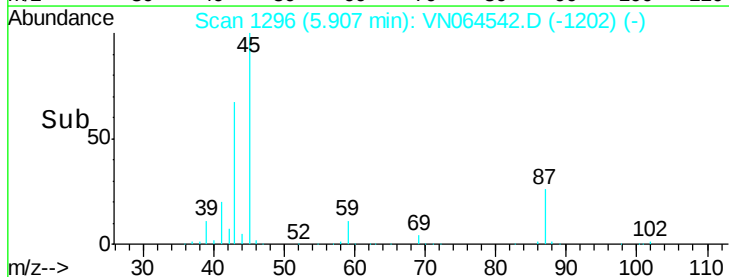
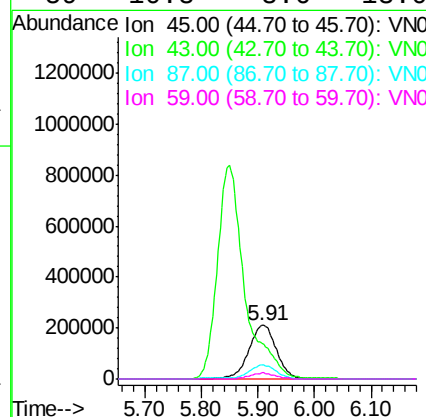
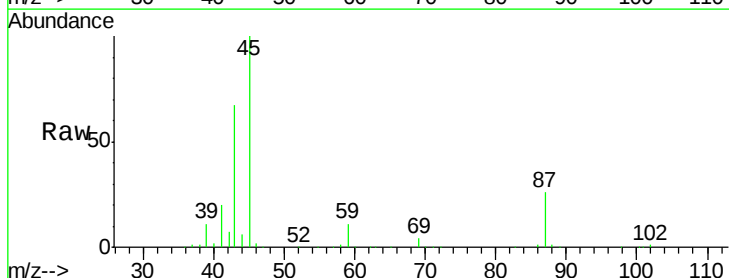
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

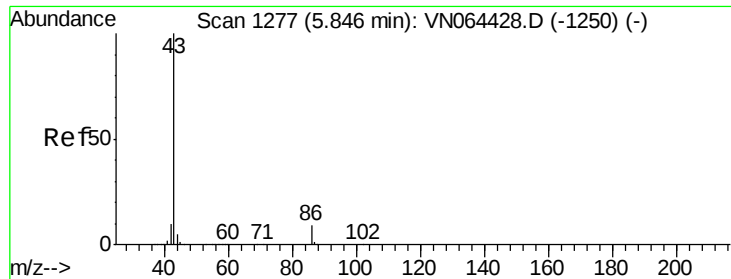
Tot Ion: 96 Resp: 191104
Ion Ratio Lower Upper
96 100
61 152.6 122.4 183.6
98 61.5 50.4 75.6



#22
Diisopropyl ether
Concen: 51.768 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion: 45 Resp: 718917
Ion Ratio Lower Upper
45 100
43 66.4 53.2 79.8
87 26.1 19.9 29.9
59 10.8 8.6 13.0

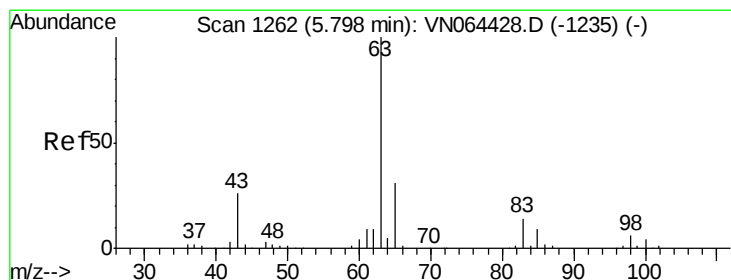
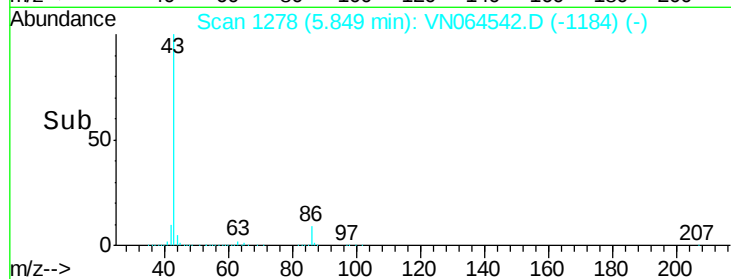
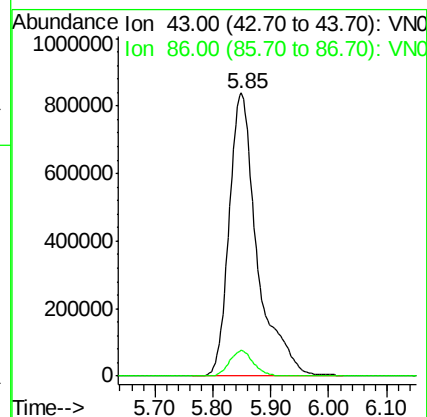
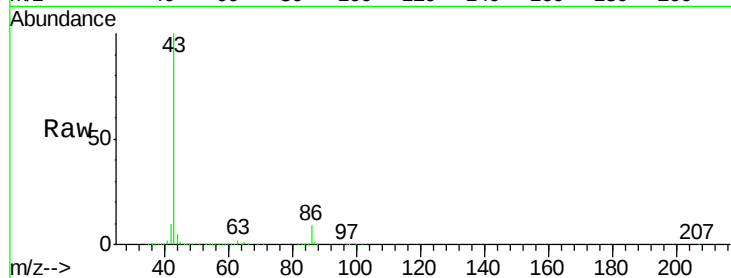




#23
 Vinyl Acetate
 Concen: 249.319 ug/l
 RT: 5.85 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

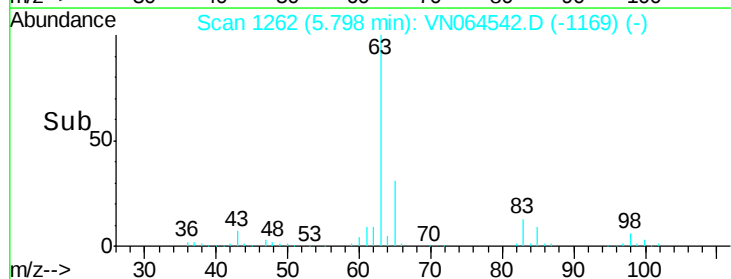
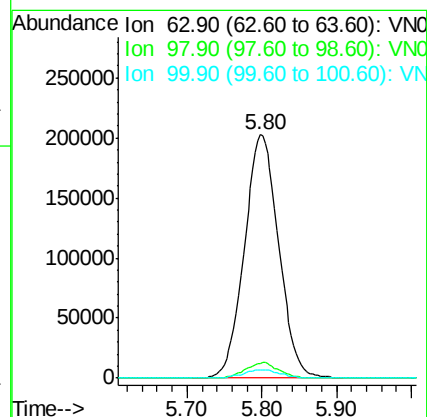
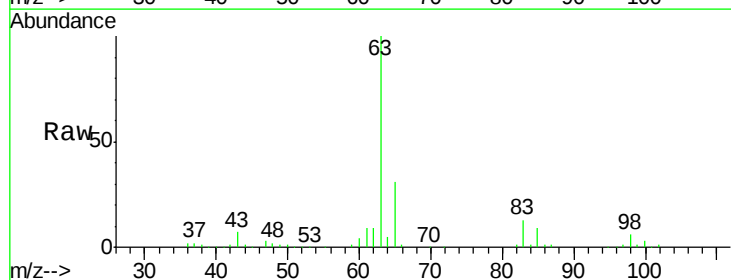
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MSD

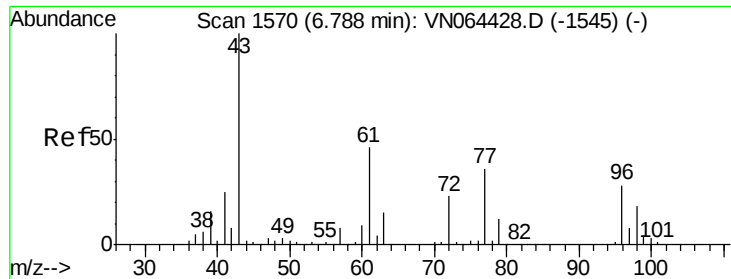
Tot Ion: 43 Resp: 2816650
 Ion Ratio Lower Upper
 43 100
 86 9.0 6.8 10.2



#24
 1,1-Dichloroethane
 Concen: 84.744 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

Tgt Ion: 63 Resp: 646697
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.2
 100 3.4 1.8 5.3

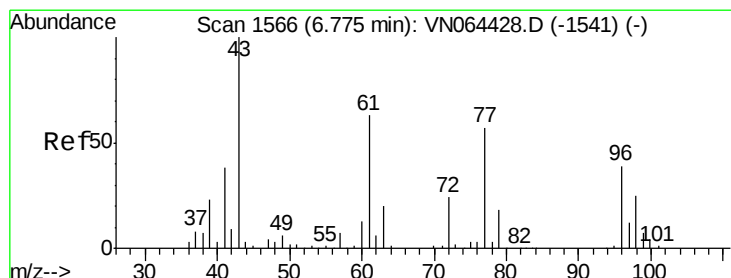
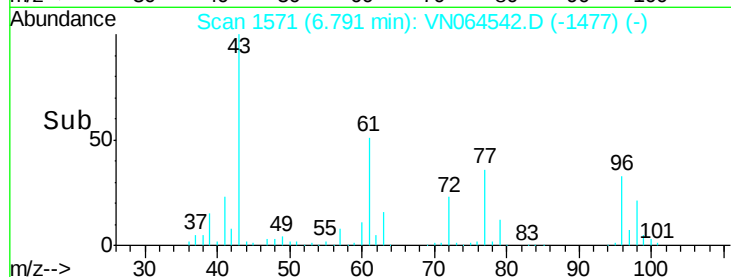
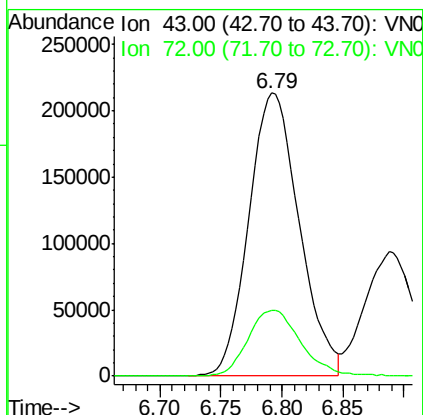
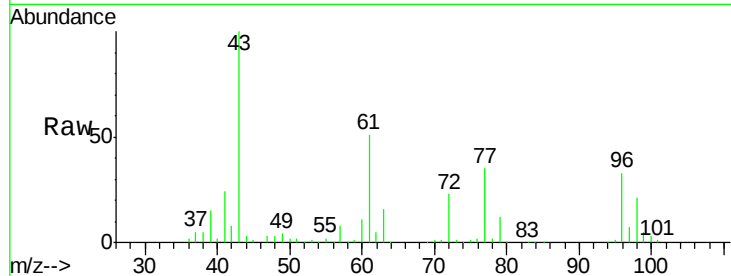




#25
2-Butanone
Concen: 230.200 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

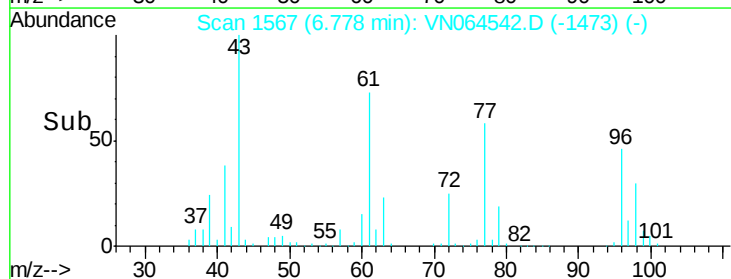
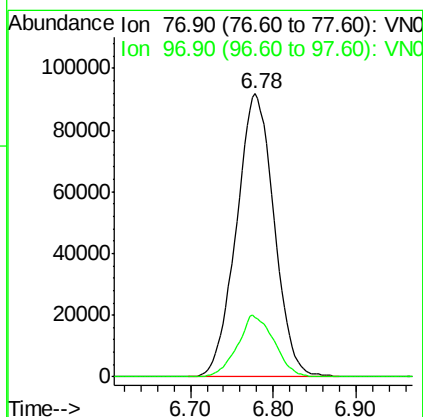
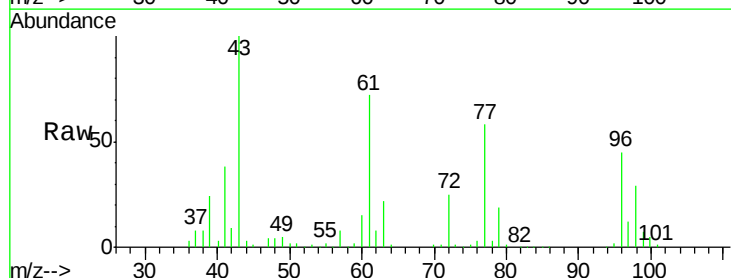
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

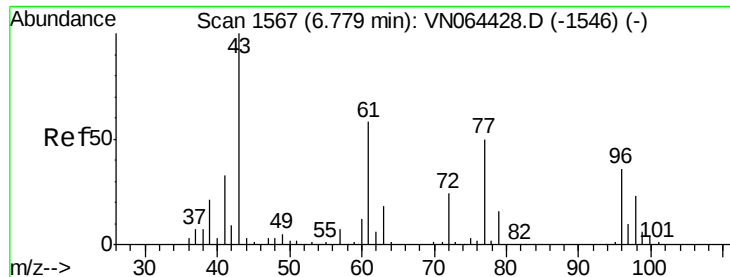
Tot Ion: 43 Resp: 608561
Ion Ratio Lower Upper
43 100
72 23.2 18.5 27.7



#26
2,2-Dichloropropane
Concen: 41.960 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion: 77 Resp: 289865
Ion Ratio Lower Upper
77 100
97 21.1 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 49.059 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MSD

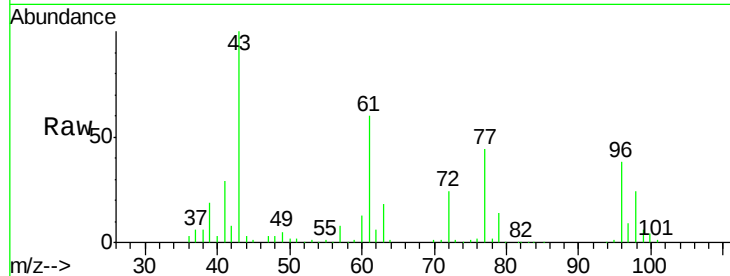
Tot Ion: 96 Resp: 215860

Ion Ratio Lower Upper

96 100

61 160.6 0.0 329.6

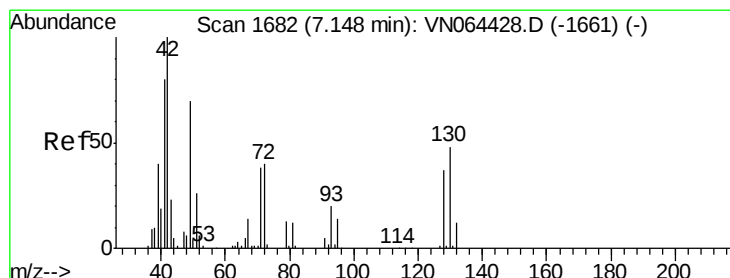
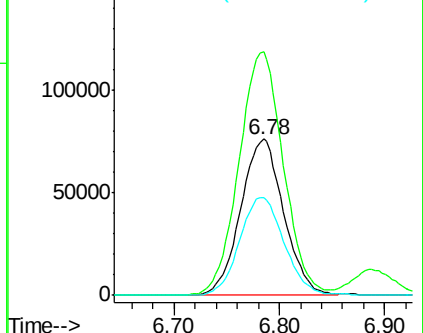
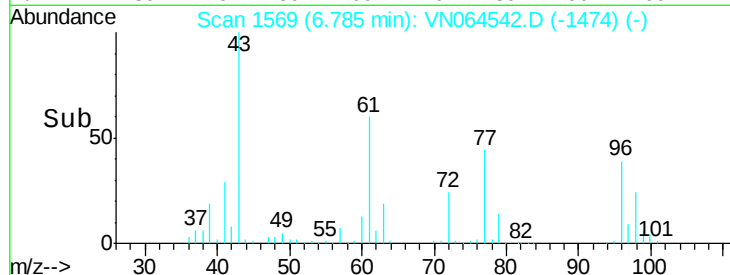
98 65.0 0.0 131.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.972 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

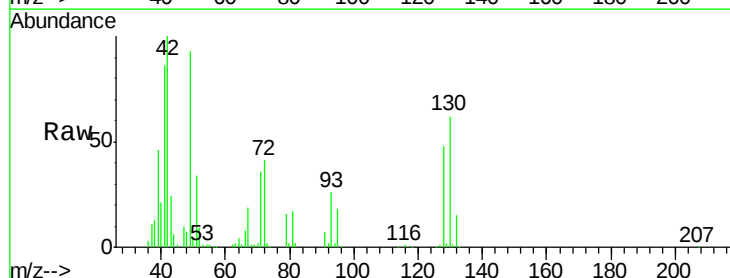
Tgt Ion: 49 Resp: 183696

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.6

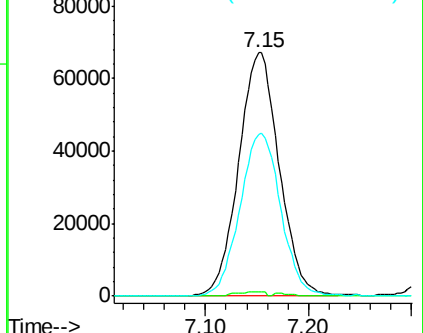
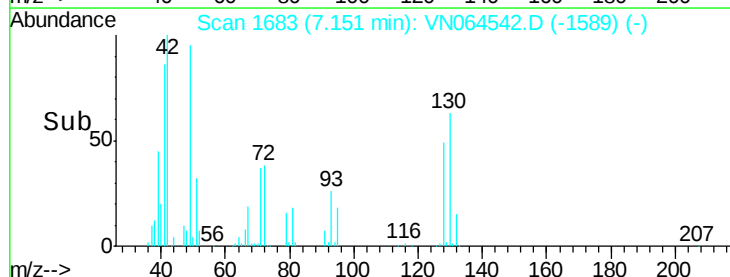
130 67.1 54.2 81.4

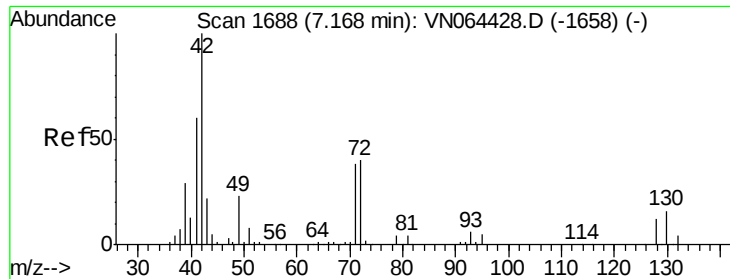


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

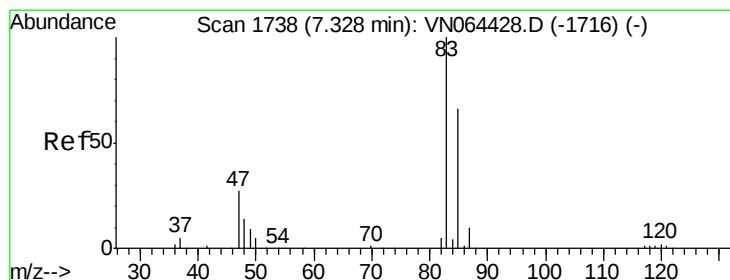
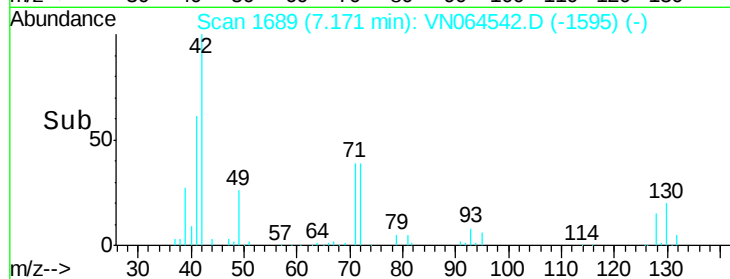
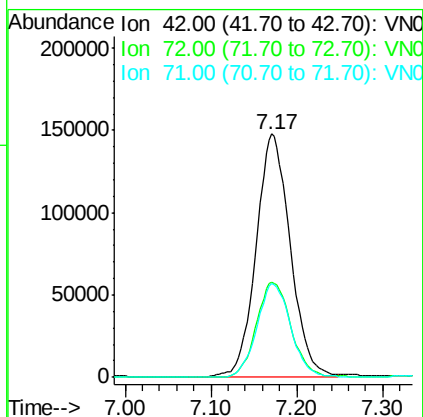
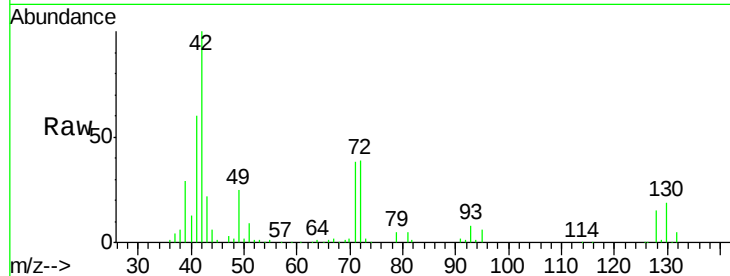




#29
Tetrahydrofuran
Concen: 251.871 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

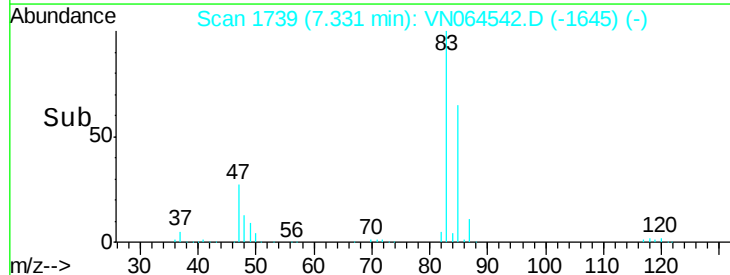
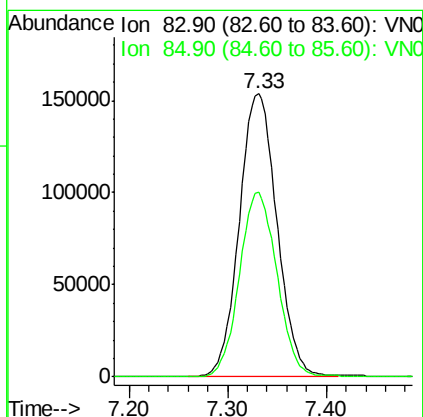
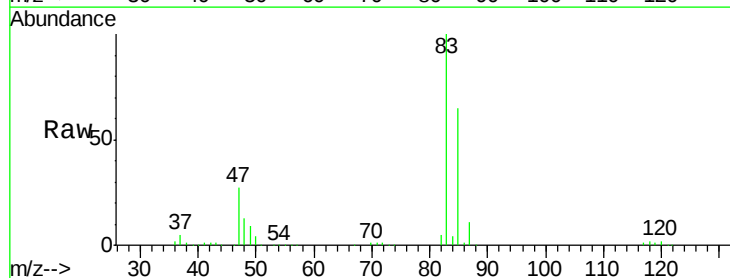
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

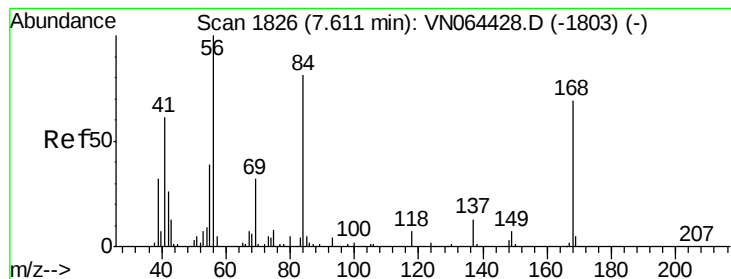
Tot Ion: 42 Resp: 408515
Ion Ratio Lower Upper
42 100
72 39.9 31.7 47.5
71 38.1 29.8 44.6



#30
Chloroform
Concen: 50.649 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion: 83 Resp: 406287
Ion Ratio Lower Upper
83 100
85 65.2 52.5 78.7





#31

Cyclohexane

Concen: 45.152 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MSD

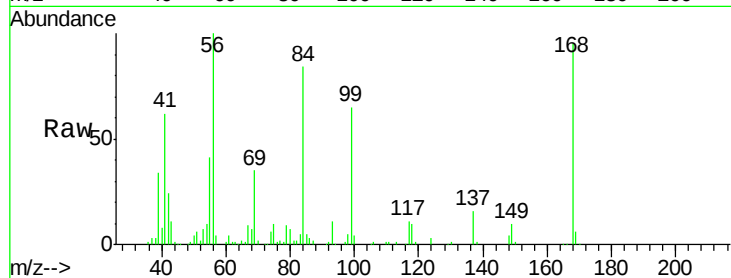
Tot Ion: 56 Resp: 298965

Ion Ratio Lower Upper

56 100

69 34.6 25.6 38.4

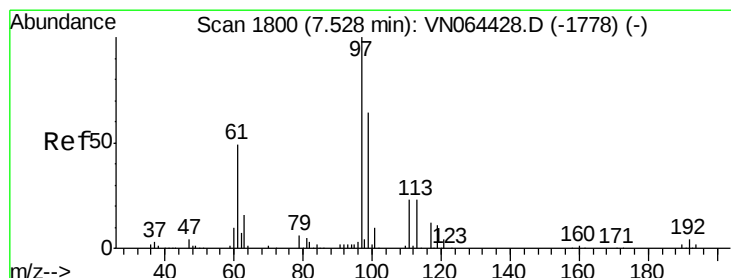
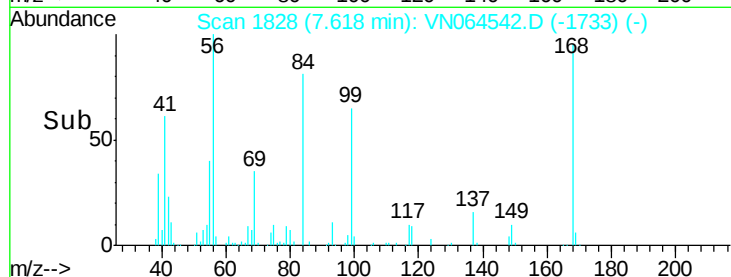
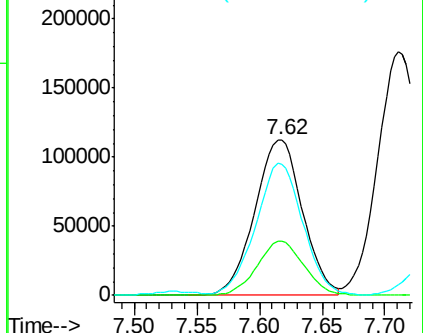
84 82.2 63.0 94.6



Abundance Ion 56.00 (55.70 to 56.70): VN064428.D (-1803) (-)

Ion 69.00 (68.70 to 69.70): VN064428.D (-1803) (-)

Ion 84.00 (83.70 to 84.70): VN064428.D (-1803) (-)



#32

1,1,1-Trichloroethane

Concen: 54.853 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

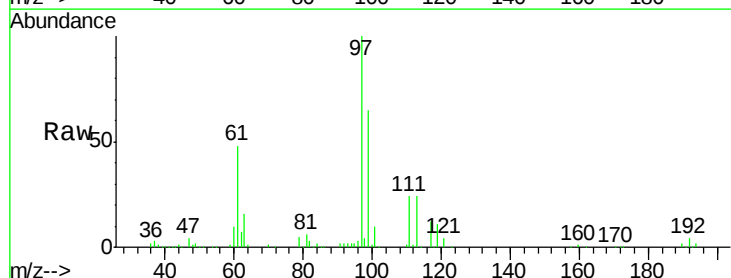
Tgt Ion: 97 Resp: 390261

Ion Ratio Lower Upper

97 100

99 65.6 51.3 76.9

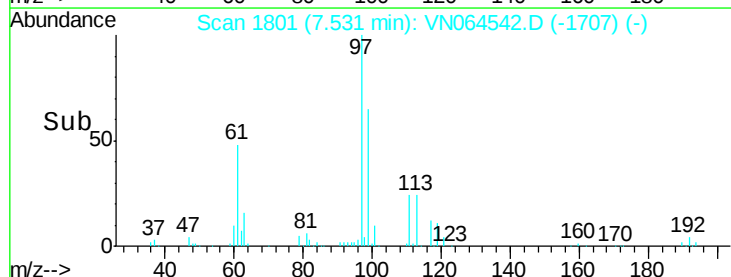
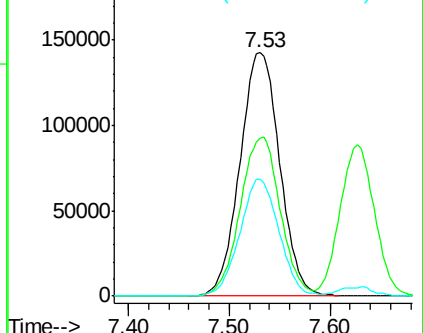
61 47.3 39.1 58.7

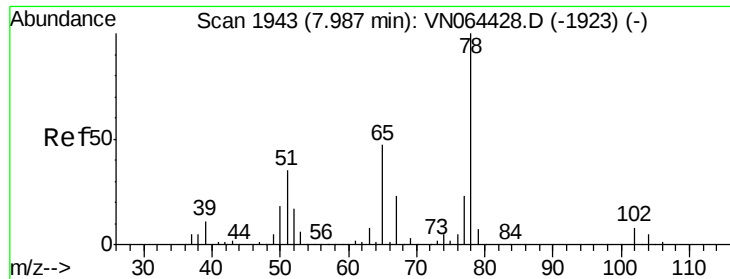


Abundance Ion 96.90 (96.60 to 97.60): VN064428.D (-1778) (-)

Ion 98.90 (98.60 to 99.60): VN064428.D (-1778) (-)

Ion 60.90 (60.60 to 61.60): VN064428.D (-1778) (-)





#33

1,2-Dichloroethane-d4

Concen: 48.757 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

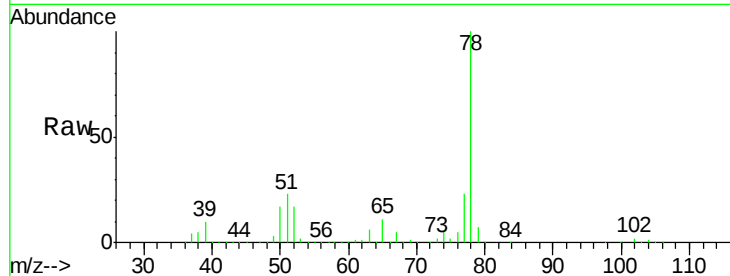
BP-VPB178-GW-498-500MSD

Tot Ion: 65 Resp: 265576

Ion Ratio Lower Upper

65 100

67 49.3 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN064428.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN064428.D (-1923) (-)

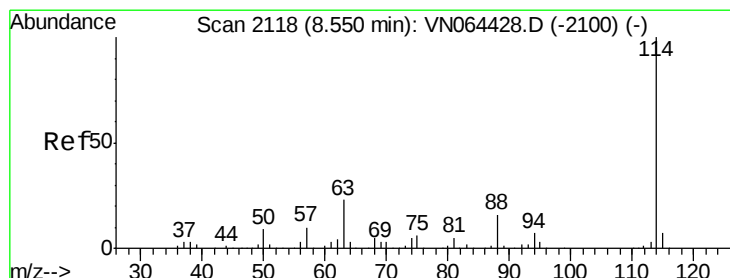
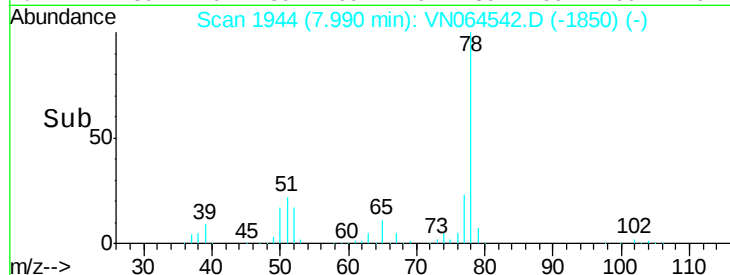
7.99

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

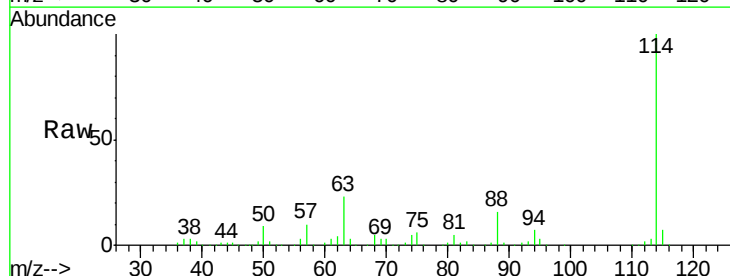
Tgt Ion: 114 Resp: 556219

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

88 16.1 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN064428.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN064428.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN064428.D (-2100) (-)

8.55

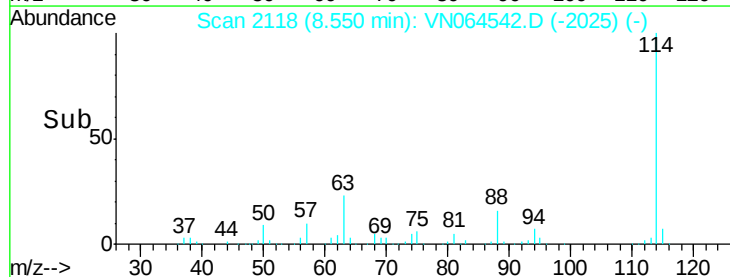
300000

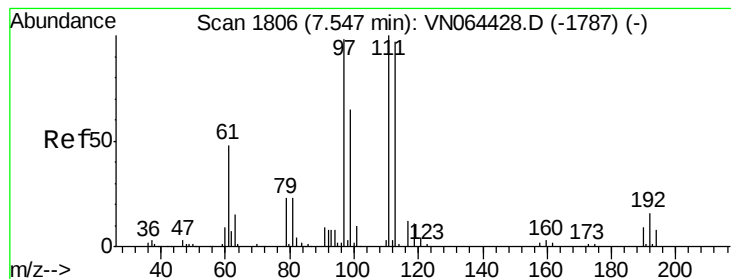
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.111 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MSD

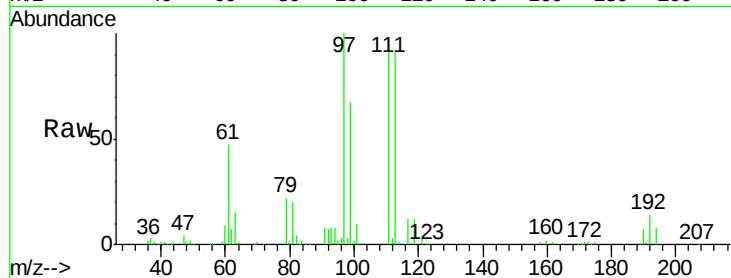
Tot Ion:113 Resp: 182199

Ion Ratio Lower Upper

113 100

111 104.7 81.1 121.7

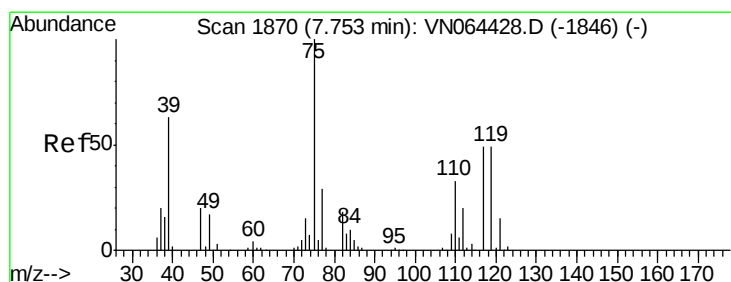
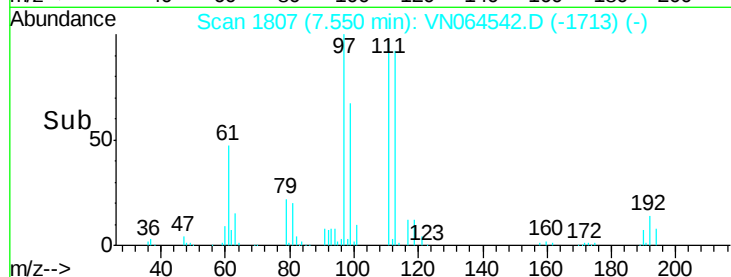
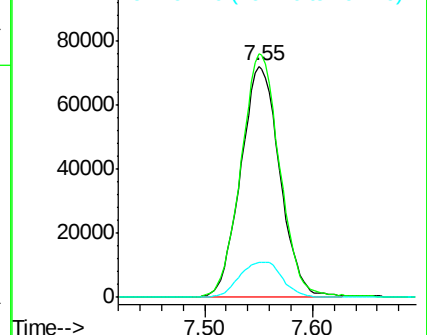
192 16.7 12.8 19.2



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: 49.139 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

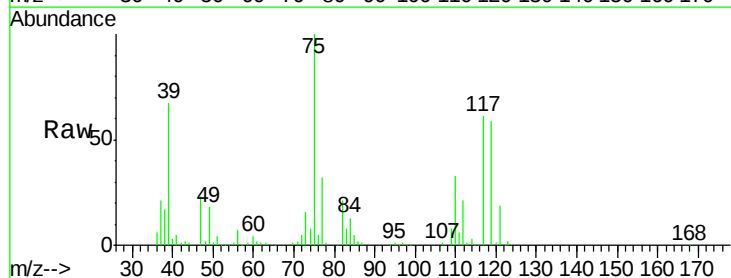
Tgt Ion: 75 Resp: 288741

Ion Ratio Lower Upper

75 100

110 33.1 16.0 48.0

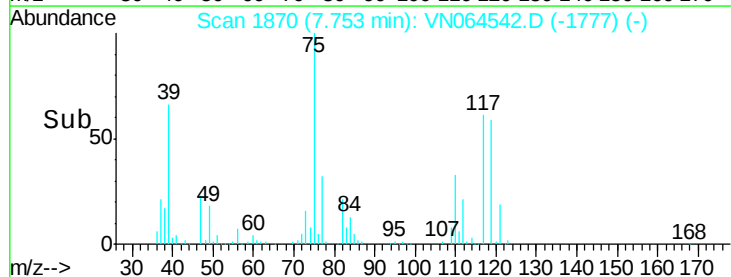
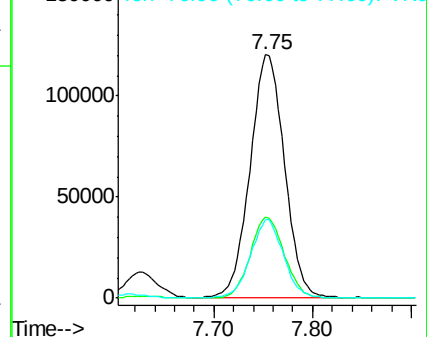
77 31.2 24.0 36.0

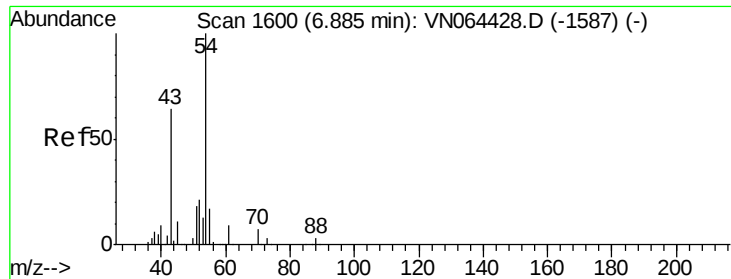


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

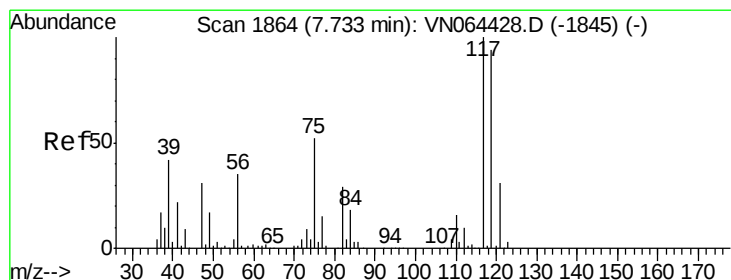
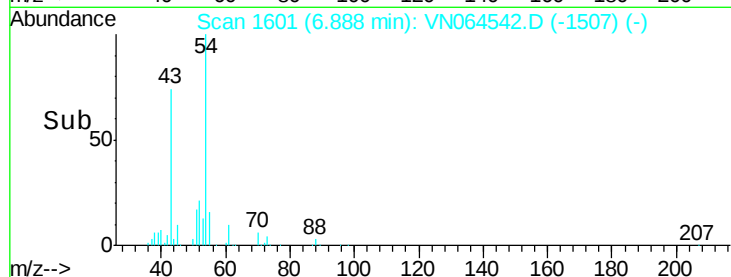
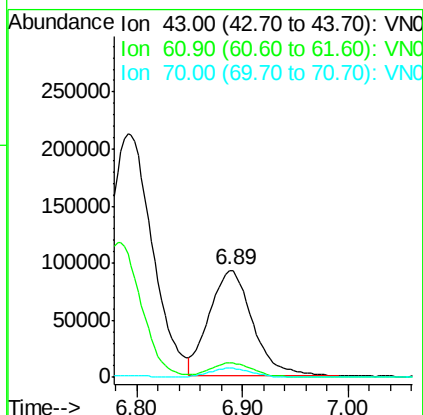
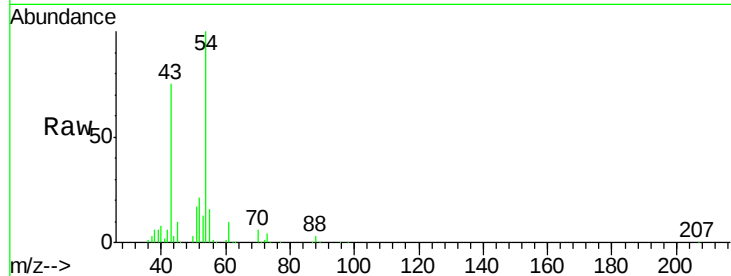




#37
Ethyl Acetate
Concen: 44.748 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

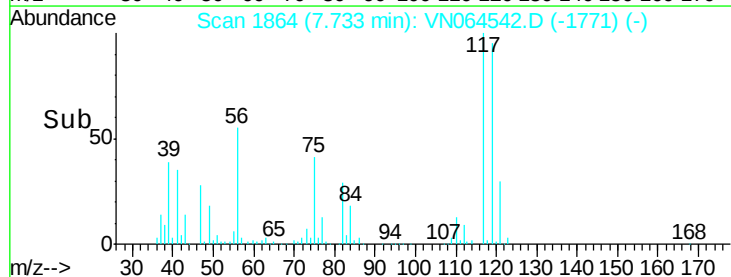
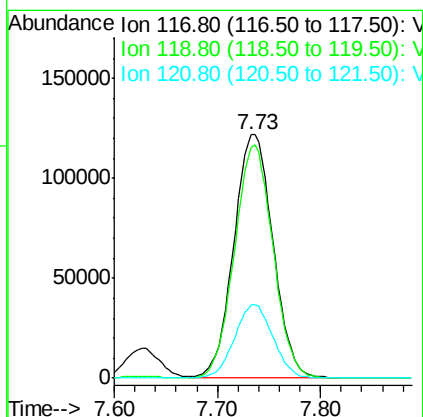
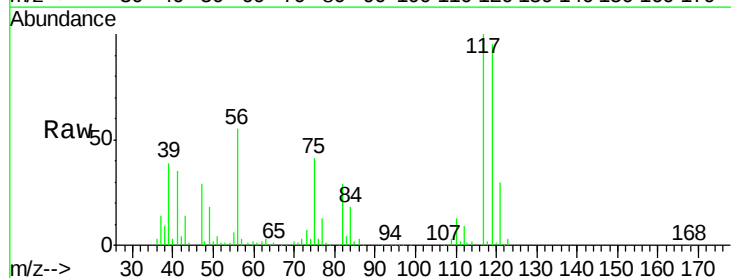
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

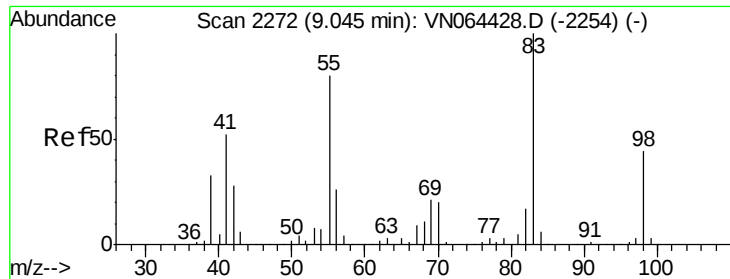
Tot Ion: 43 Resp: 266383
Ion Ratio Lower Upper
43 100
61 12.5 10.0 15.0
70 8.5 7.1 10.7



#38
Carbon Tetrachloride
Concen: 51.188 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion: 117 Resp: 321461
Ion Ratio Lower Upper
117 100
119 95.0 75.5 113.3
121 30.0 24.4 36.6

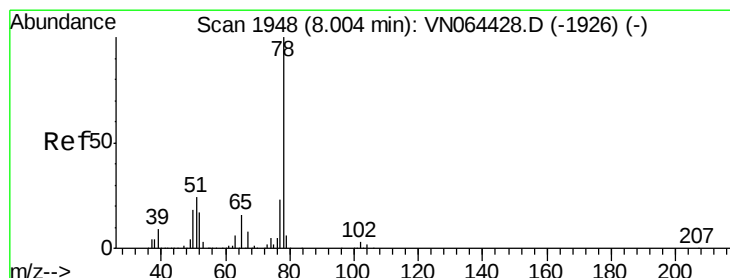
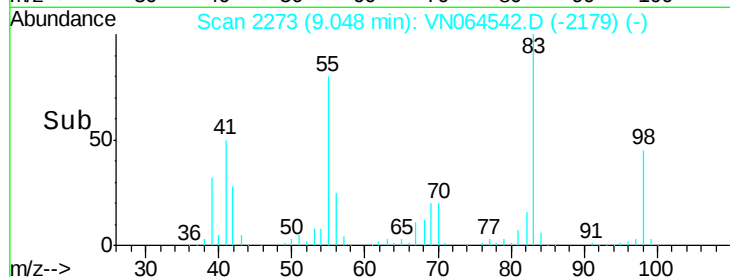
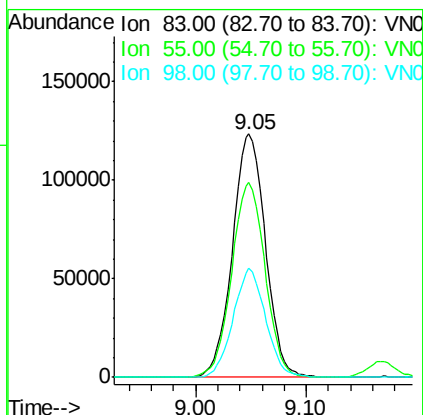
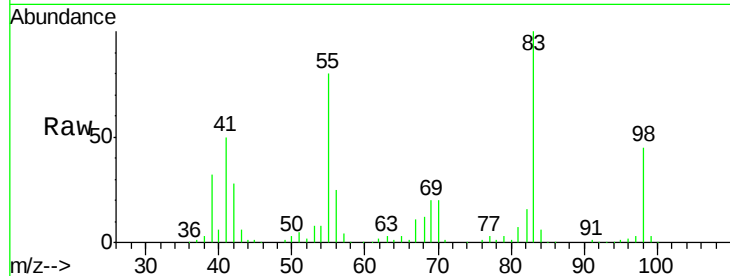




#39
Methvlcvclohexane
Concen: 48.673 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

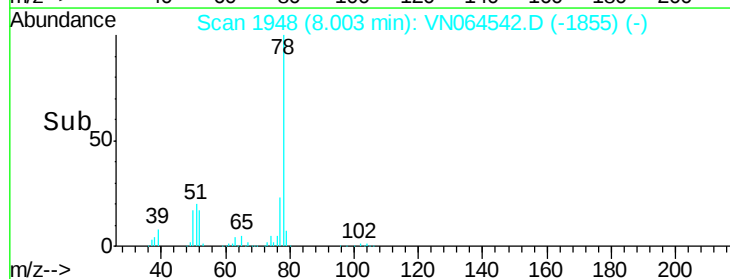
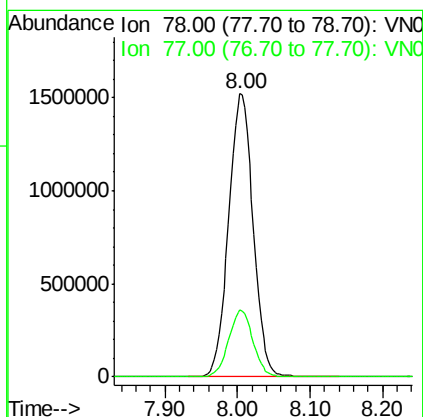
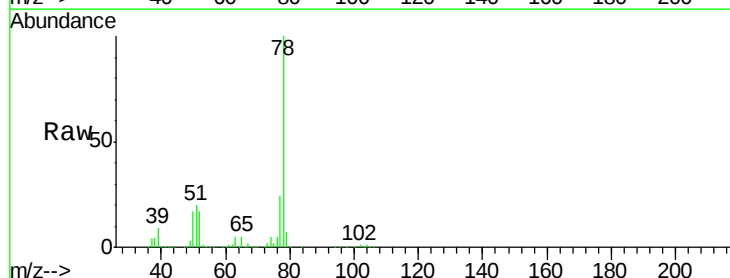
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

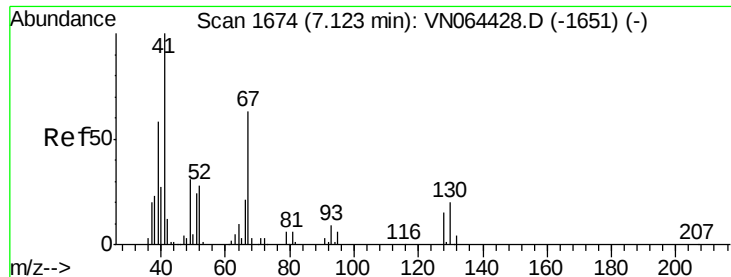
Tot Ion: 83 Resp: 256386
Ion Ratio Lower Upper
83 100
55 79.7 63.8 95.6
98 44.9 35.4 53.2



#40
Benzene
Concen: 207.466 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion: 78 Resp: 3582285
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1

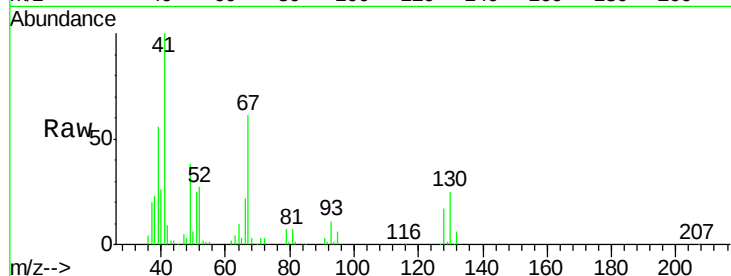




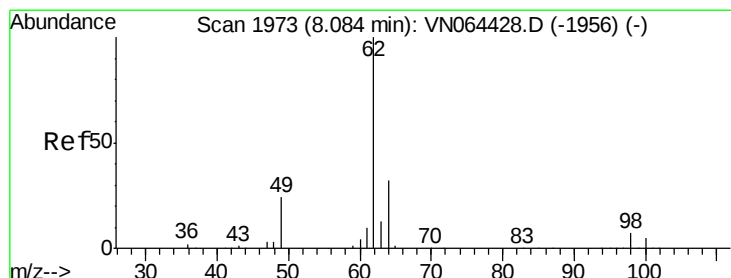
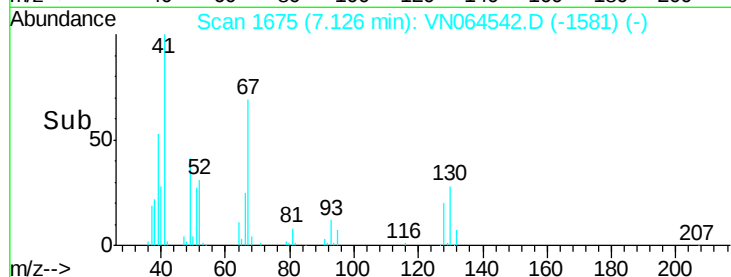
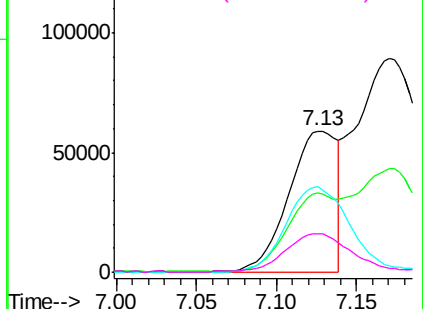
#41
Methacrylonitrile
Concen: 47.797 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

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

Tot Ion:	41	Resp:	124518
Ion	Ratio	Lower	Upper
41	100		
39	56.2	50.0	75.0
67	81.1	68.3	102.5
52	36.6	32.7	49.1

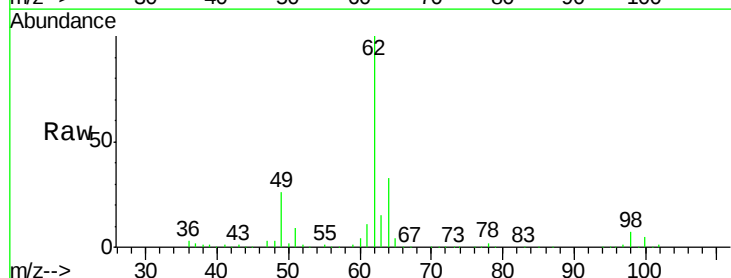


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

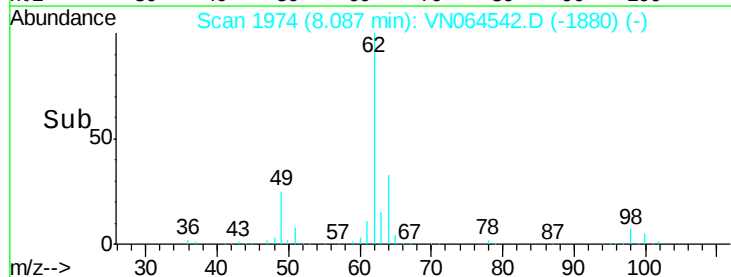
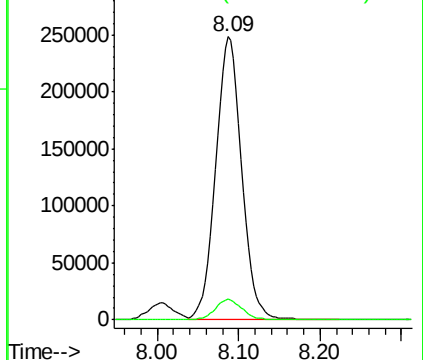


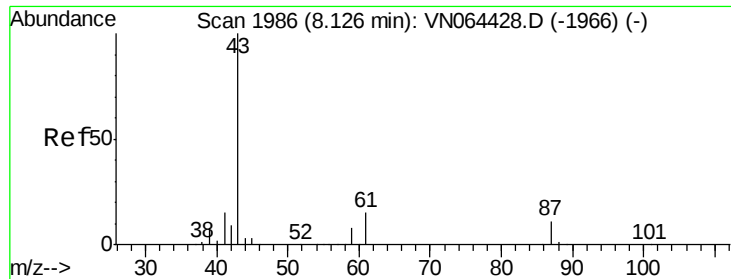
#42
1,2-Dichloroethane
Concen: 80.230 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion:	62	Resp:	559056
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	14.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



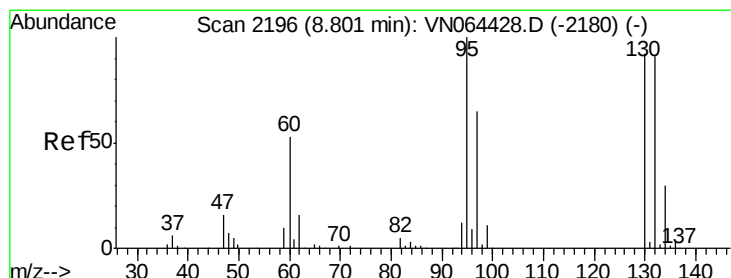
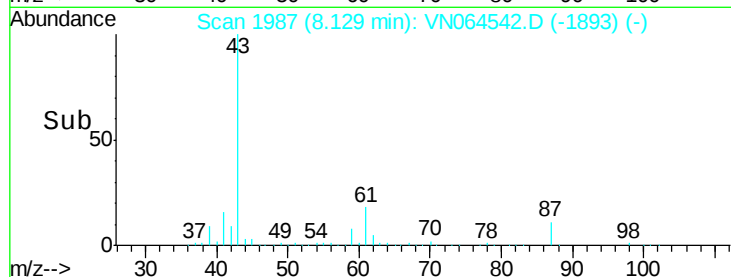
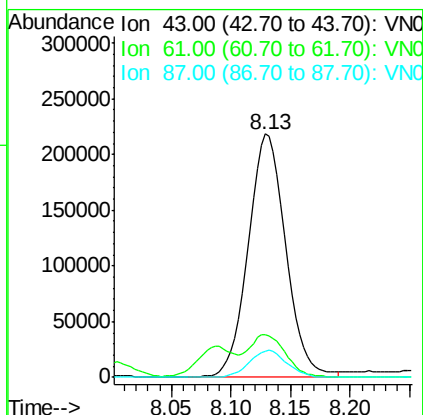
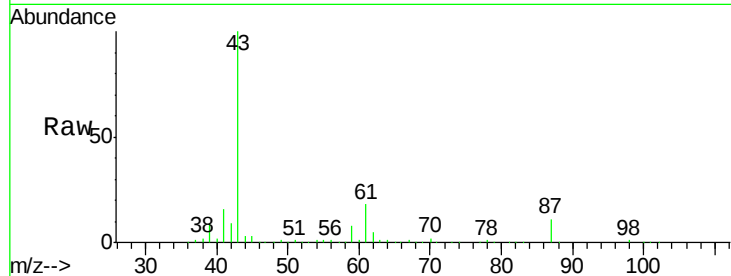


#43

Isopropyl Acetate
 Concen: 50.068 ug/l
 RT: 8.13 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

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

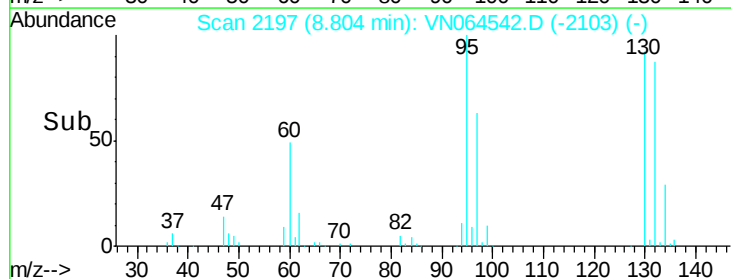
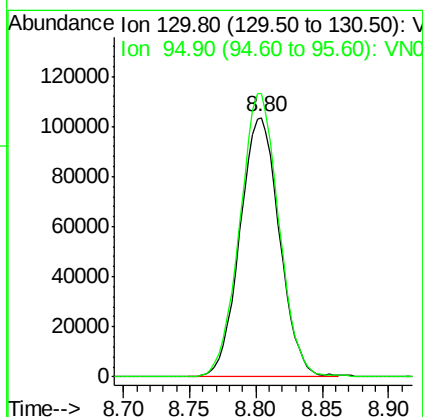
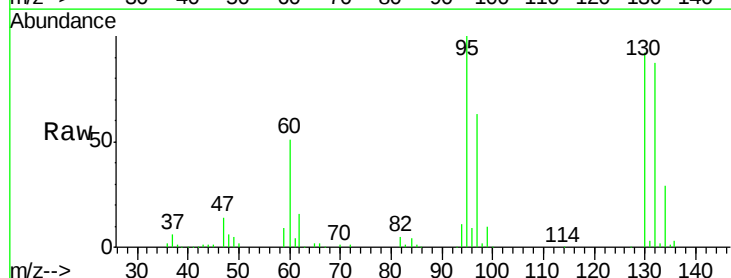
Tot Ion: 43 Resp: 476785
 Ion Ratio Lower Upper
 43 100
 61 16.6 14.0 21.0
 87 11.1 9.1 13.7

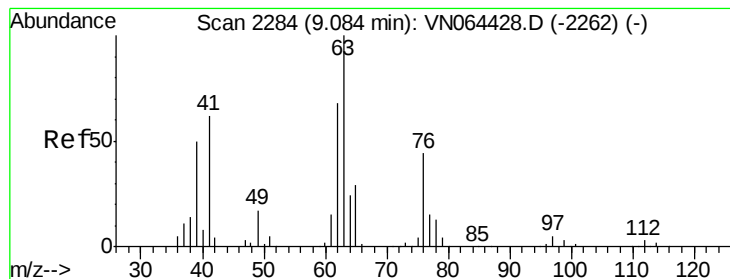


#44

Trichloroethene
 Concen: 49.276 ug/l
 RT: 8.80 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

Tgt Ion: 130 Resp: 214668
 Ion Ratio Lower Upper
 130 100
 95 109.0 0.0 216.8





#45

1,2-Dichloropropane

Concen: 50.060 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

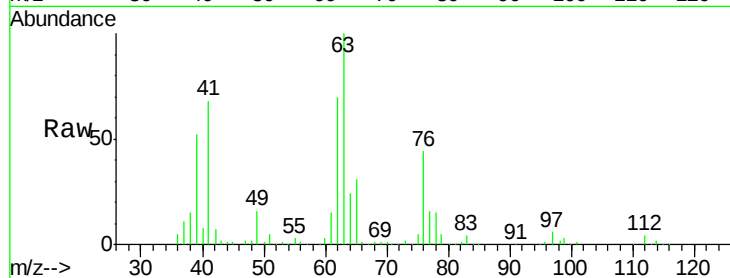
BP-VPB178-GW-498-500MSD

Tot Ion: 63 Resp: 230638

Ion Ratio Lower Upper

63 100

65 30.6 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.08

120000

100000

80000

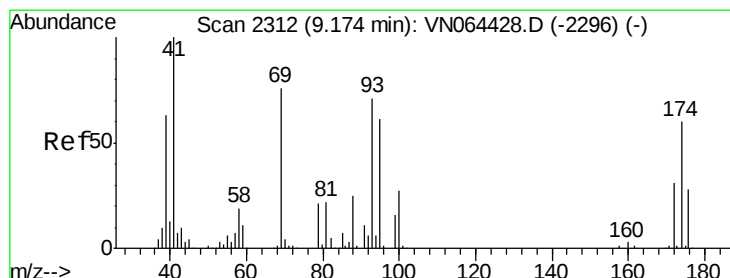
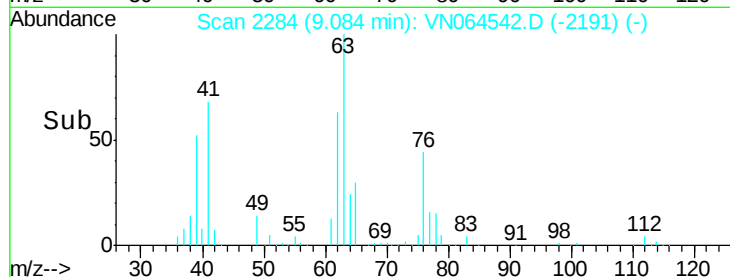
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 51.349 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

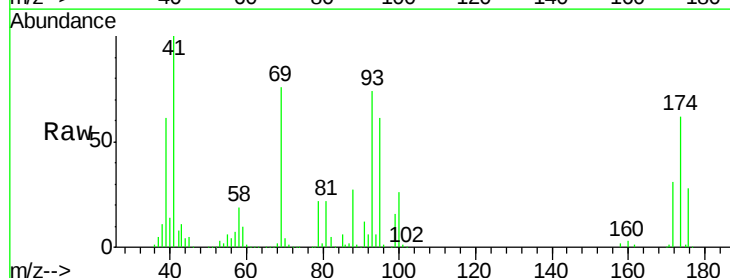
Tgt Ion: 93 Resp: 155735

Ion Ratio Lower Upper

93 100

95 84.1 66.4 99.6

174 83.2 67.2 100.8



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

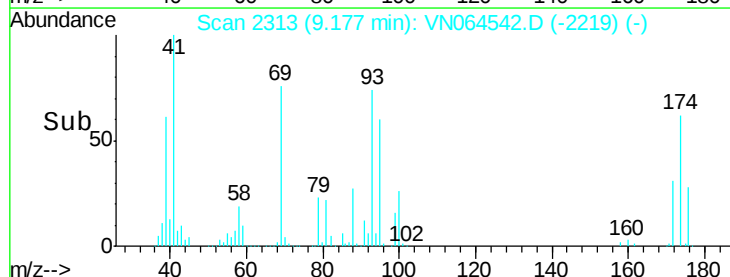
60000

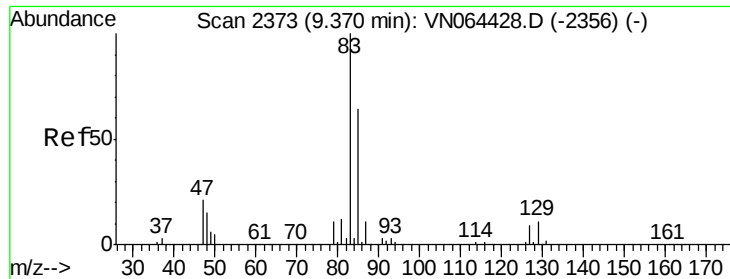
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 51.452 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MSD

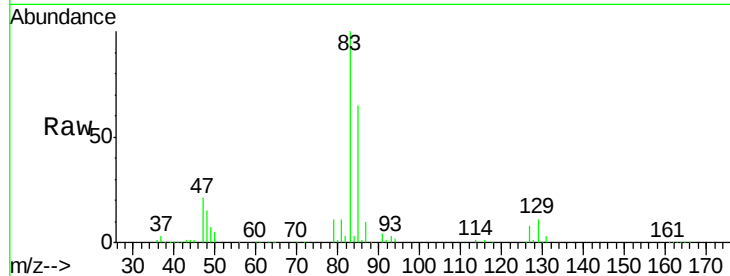
Tot Ion: 83 Resp: 335533

Ion Ratio Lower Upper

83 100

85 65.2 51.2 76.8

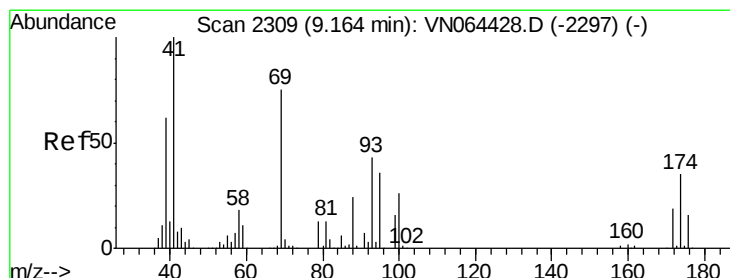
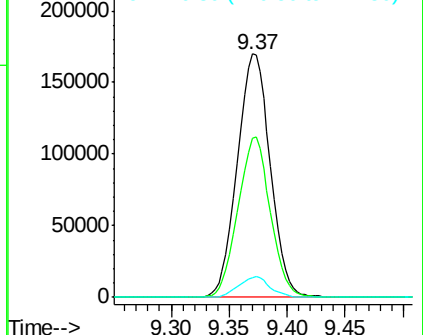
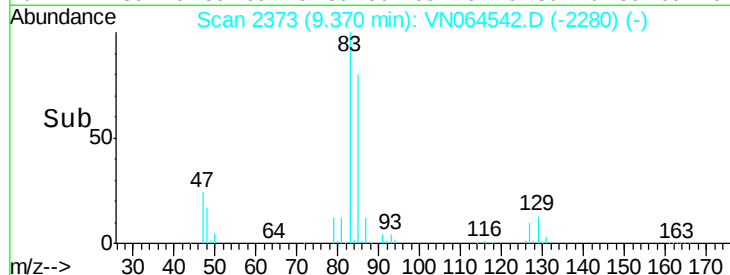
127 8.2 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN064542.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064542.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064542.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.245 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

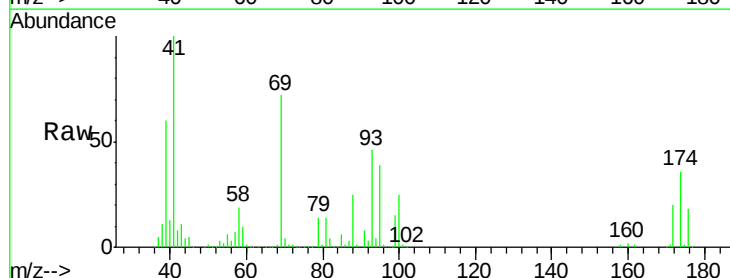
Tgt Ion: 41 Resp: 246240

Ion Ratio Lower Upper

41 100

69 73.9 60.4 90.6

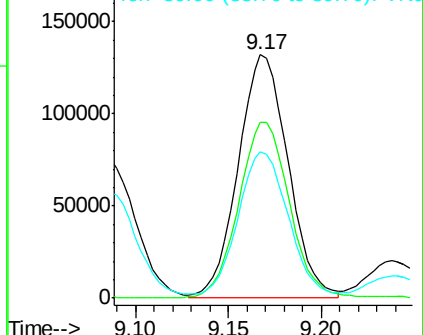
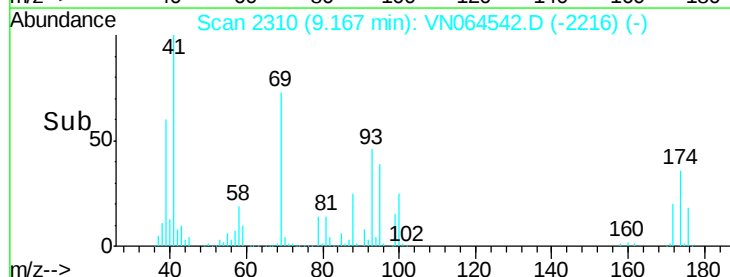
39 61.2 51.2 76.8

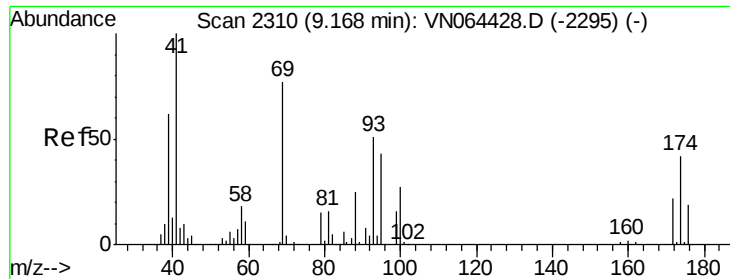


Abundance Ion 41.00 (40.70 to 41.70): VN064542.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064542.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064542.D (-2216) (-)

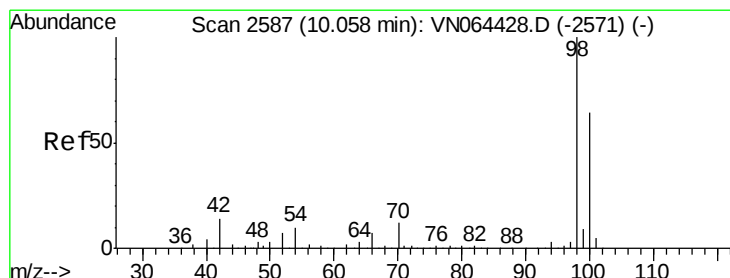
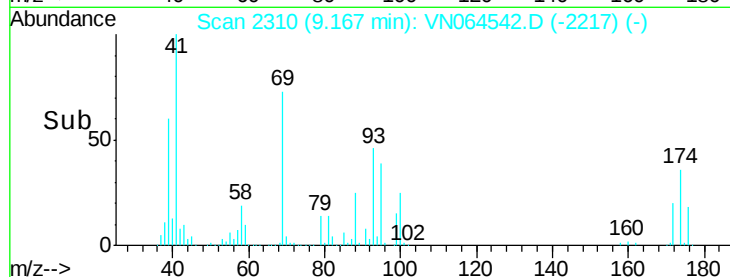
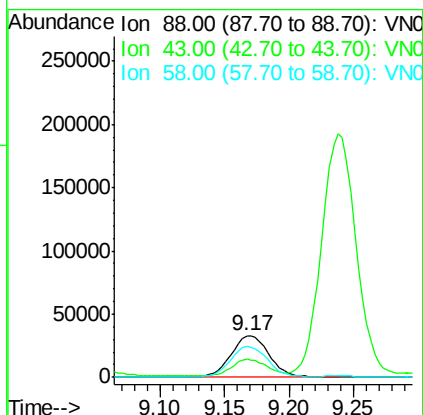
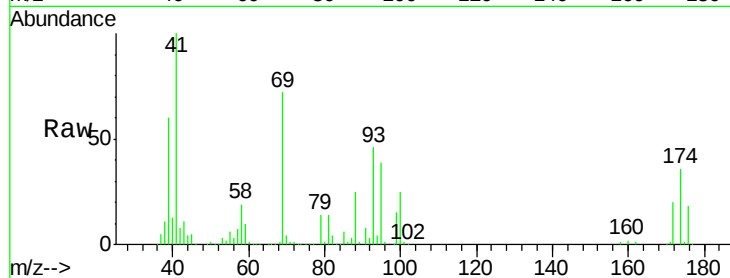




#49
1,4-Dioxane
Concen: 1069.240 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

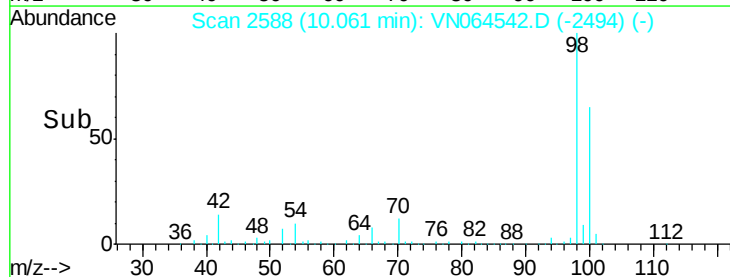
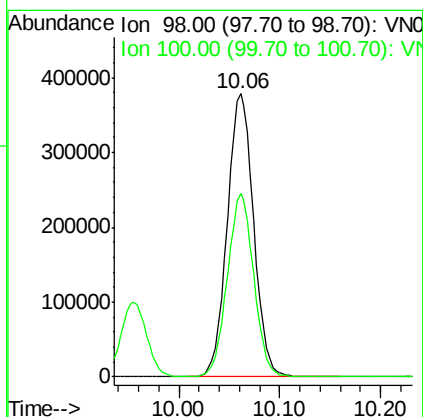
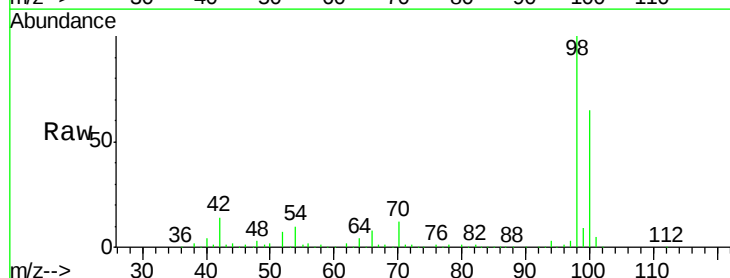
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

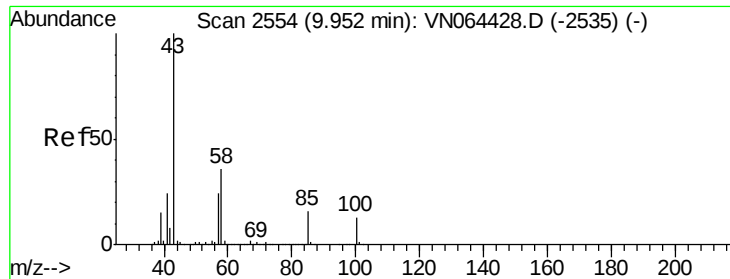
Tot Ion: 88 Resp: 67673
Ion Ratio Lower Upper
88 100
43 37.9 31.0 46.6
58 74.0 58.4 87.6



#50
Toluene-d8
Concen: 47.187 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion: 98 Resp: 690675
Ion Ratio Lower Upper
98 100
100 64.4 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 254.233 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

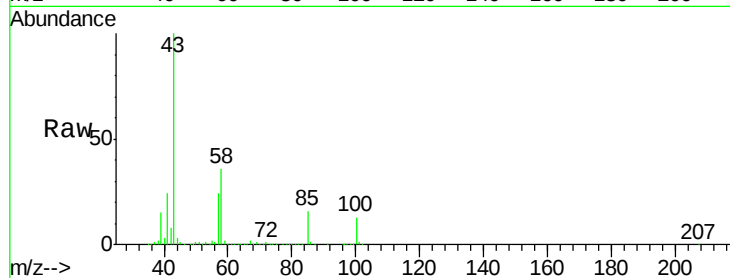
BP-VPB178-GW-498-500MSD

Tot Ion: 43 Resp: 1411841

Ion Ratio Lower Upper

43 100

58 35.8 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) (-)

800000

600000

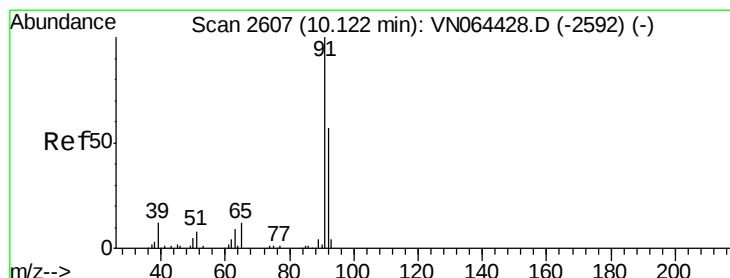
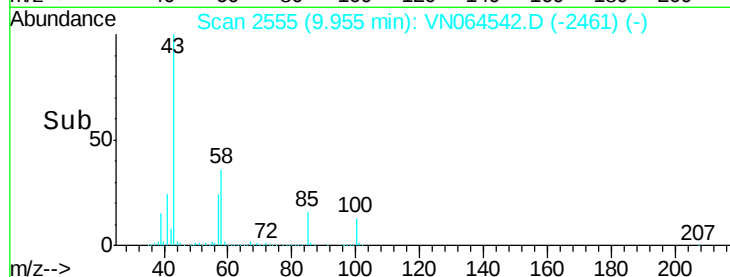
400000

200000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 50.728 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064542.D

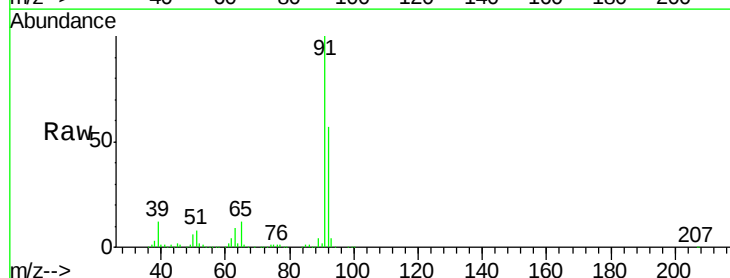
Acq: 10 Nov 2020 21:50

Tgt Ion: 92 Resp: 534235

Ion Ratio Lower Upper

92 100

91 176.3 139.6 209.4



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

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

600000

500000

400000

300000

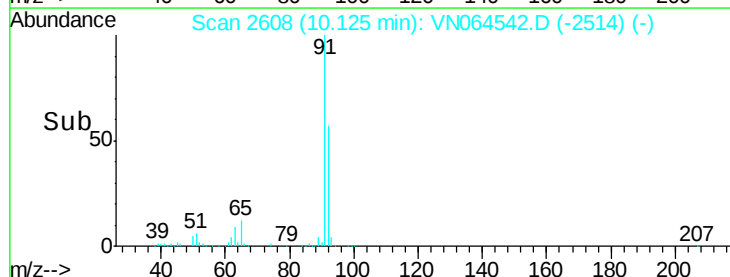
200000

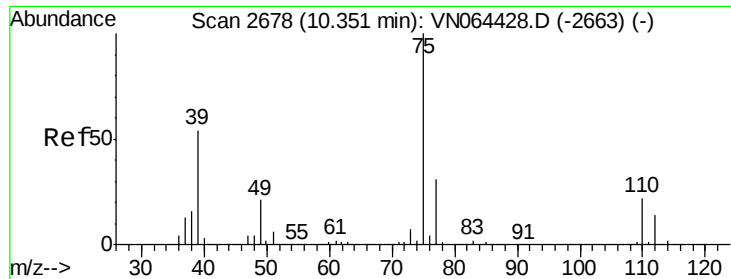
100000

0

10.05 10.10 10.15 10.20

Time-->

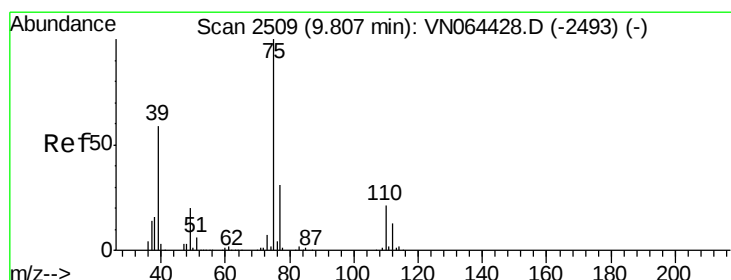
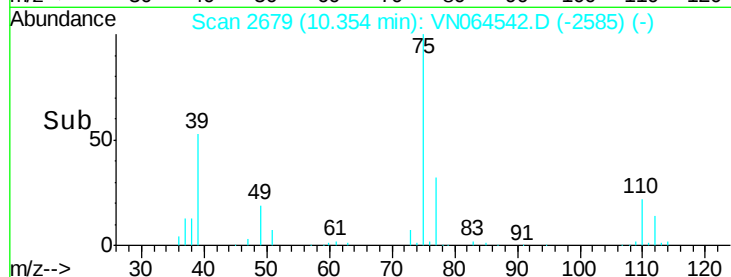
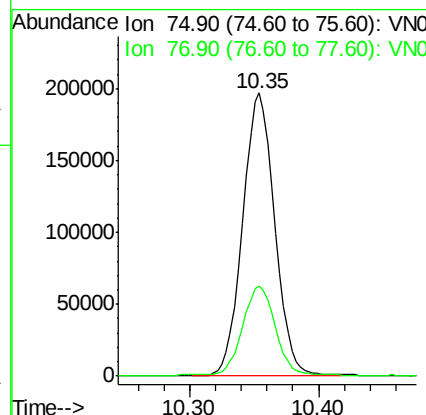
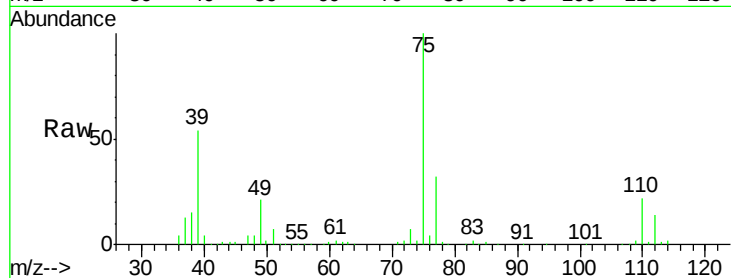




#53
t-1,3-Dichloropropene
Concen: 49.363 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

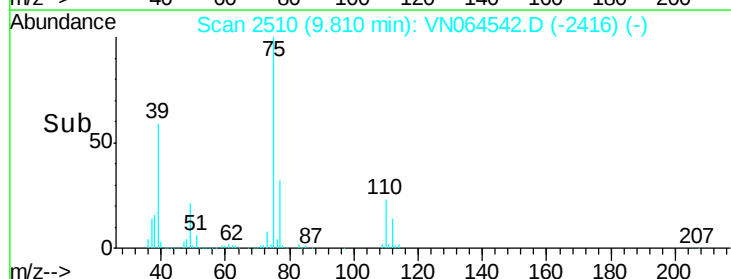
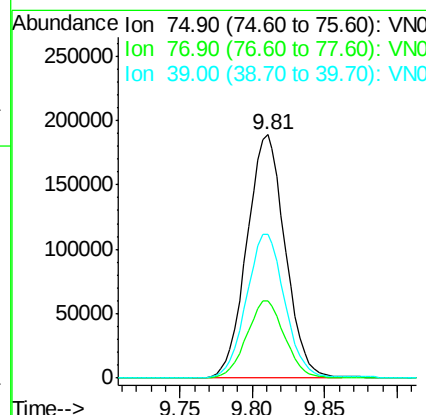
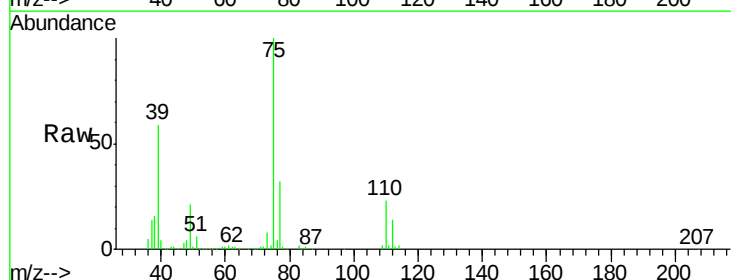
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

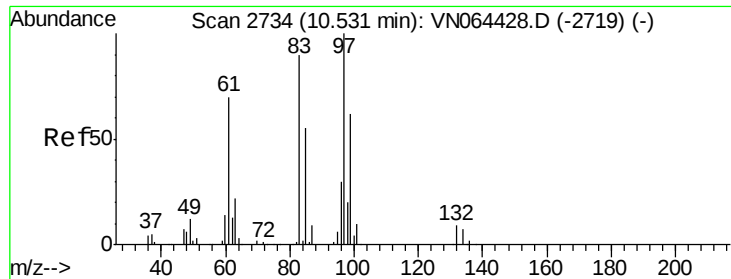
Tot Ion: 75 Resp: 341277
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 47.005 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion: 75 Resp: 347461
Ion Ratio Lower Upper
75 100
77 32.0 24.9 37.3
39 59.0 47.1 70.7





#55

1,1,2-Trichloroethane

Concen: 51.530 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MSD

Tot Ion: 97 Resp: 211641

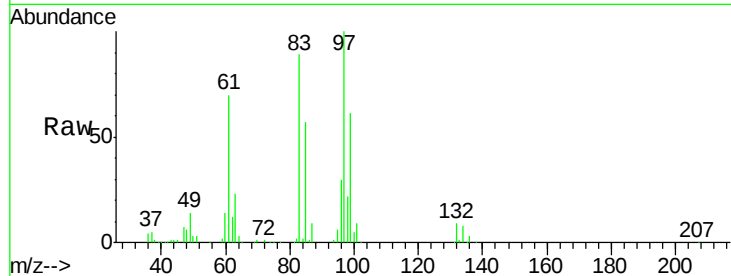
Ion Ratio Lower Upper

97 100

83 88.9 71.7 107.5

85 57.0 44.3 66.5

99 60.8 49.4 74.2

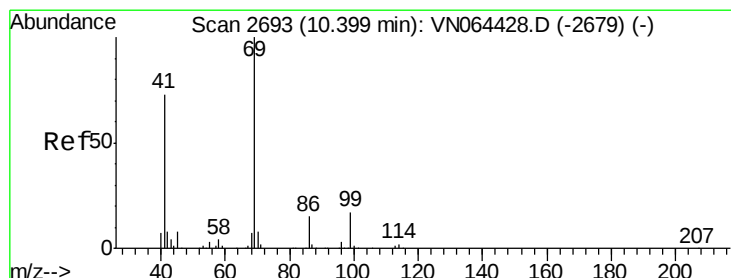
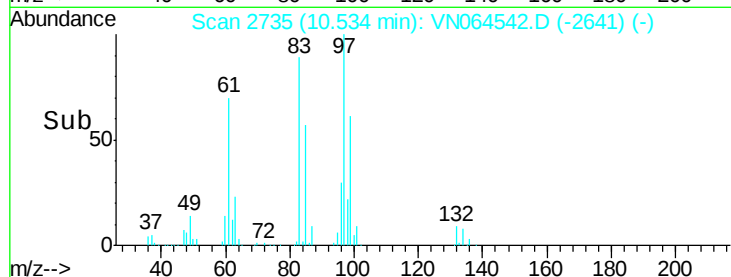
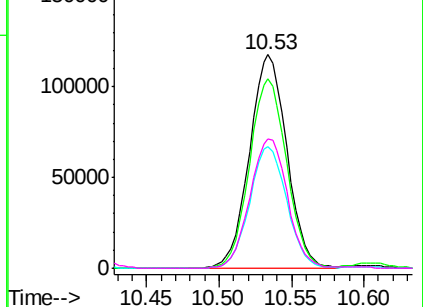


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 45.410 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

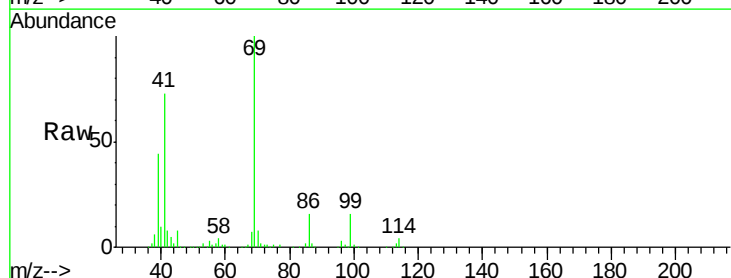
Tgt Ion: 69 Resp: 305673

Ion Ratio Lower Upper

69 100

41 73.1 59.3 88.9

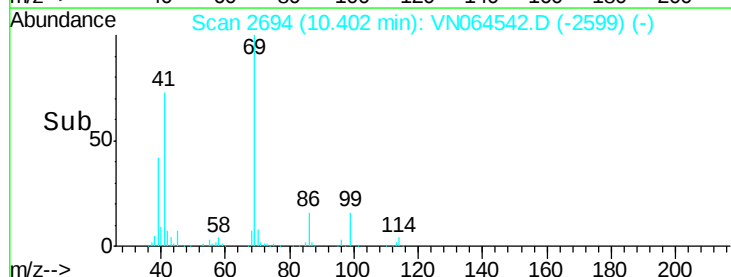
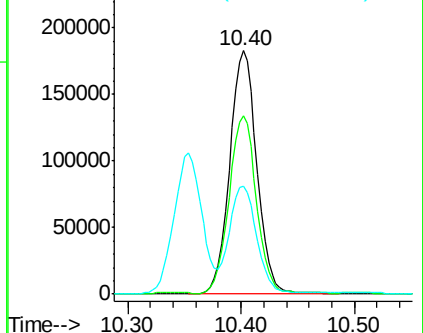
39 44.1 35.4 53.0

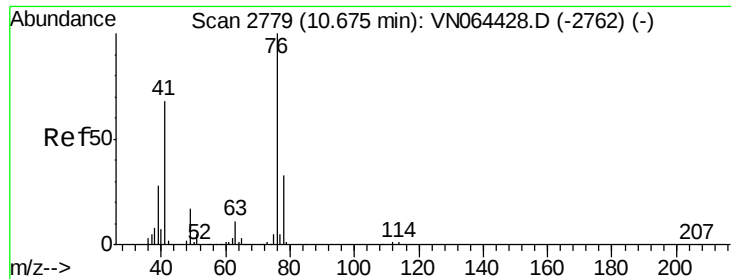


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.958 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

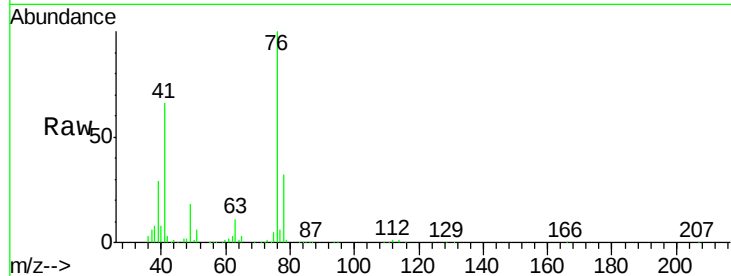
BP-VPB178-GW-498-500MSD

Tot Ion: 76 Resp: 365311

Ion Ratio Lower Upper

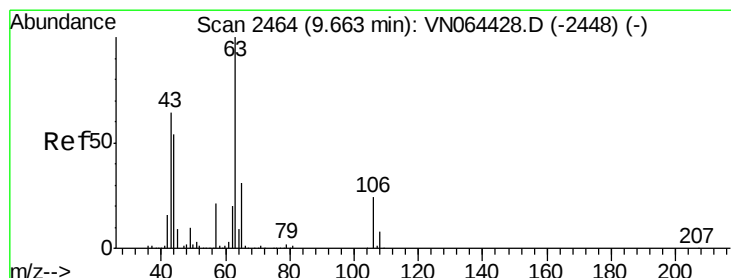
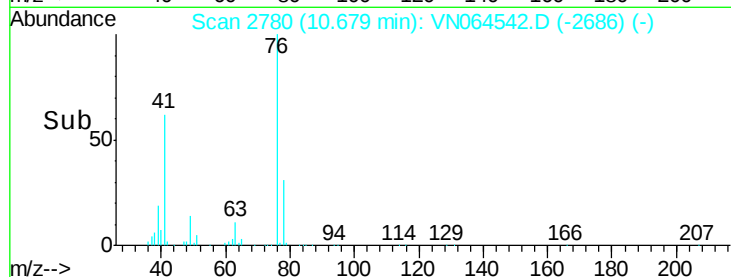
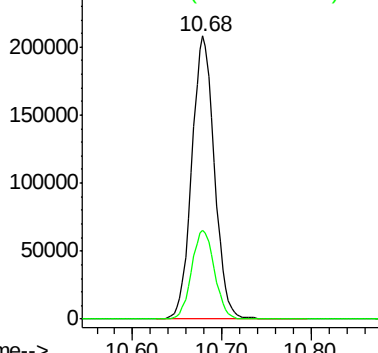
76 100

78 31.8 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 21.568 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064542.D

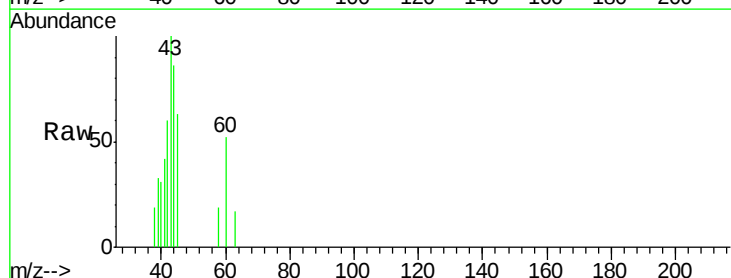
Acq: 10 Nov 2020 21:50

Tgt Ion: 63 Resp: 107

Ion Ratio Lower Upper

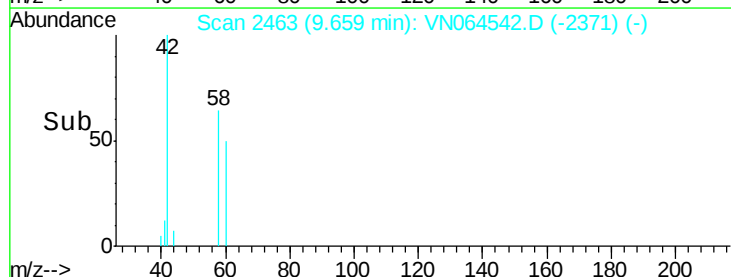
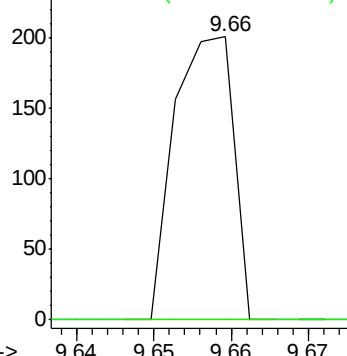
63 100

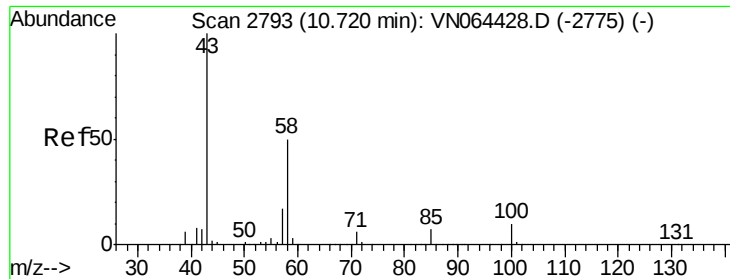
106 0.0 19.5 29.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

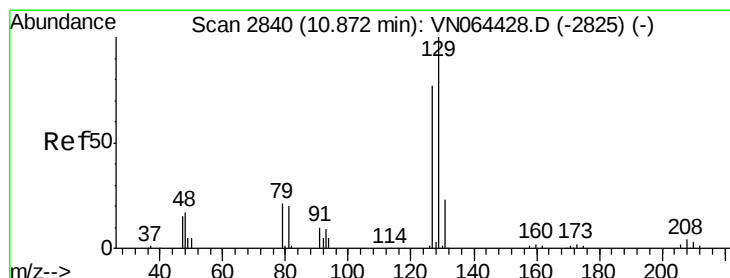
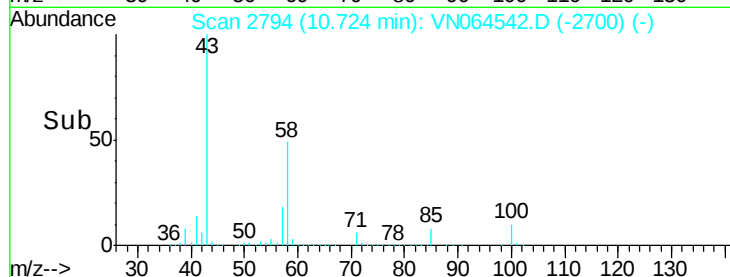
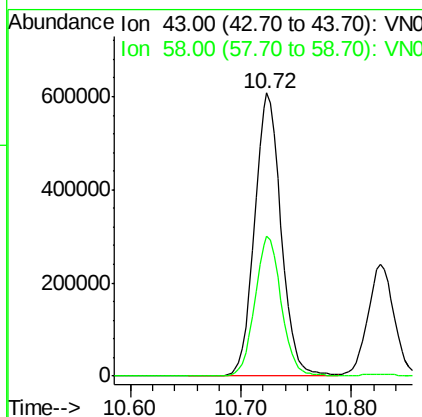
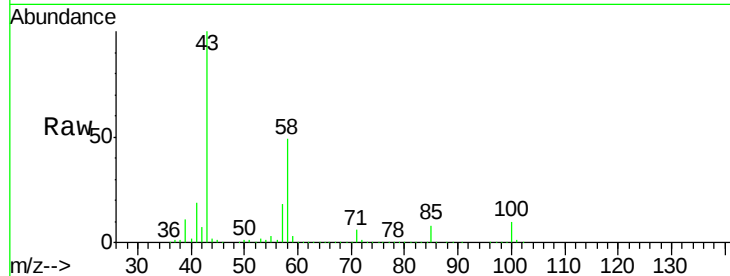




#59
2-Hexanone
Concen: 222.957 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

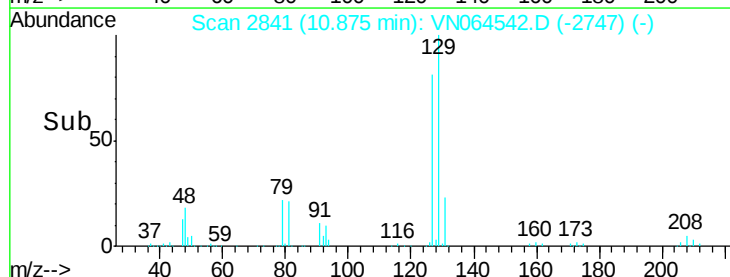
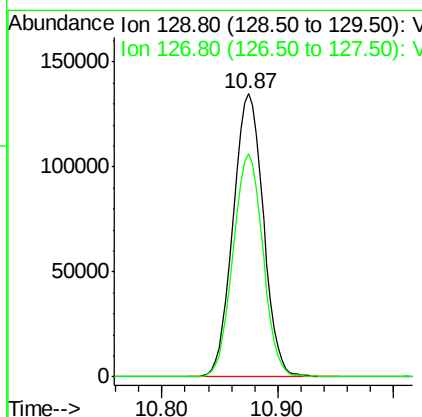
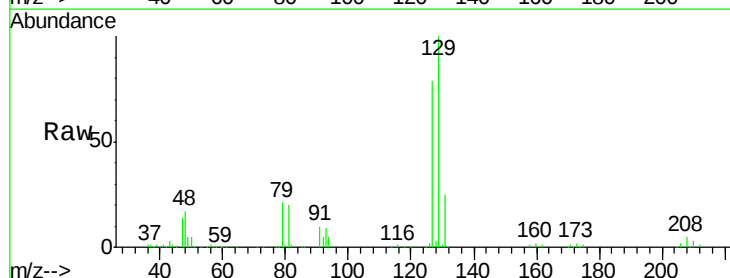
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

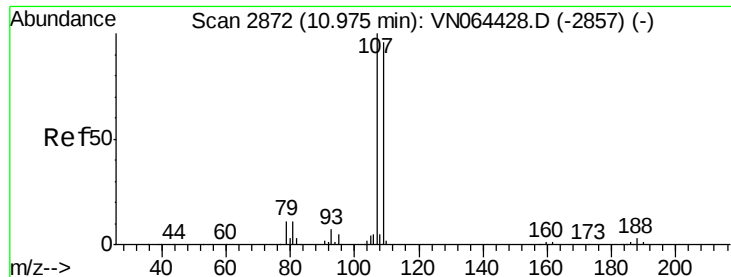
Tot Ion: 43 Resp: 1007635
Ion Ratio Lower Upper
43 100
58 49.4 24.7 74.1



#60
Dibromochloromethane
Concen: 53.022 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion: 129 Resp: 243817
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.7

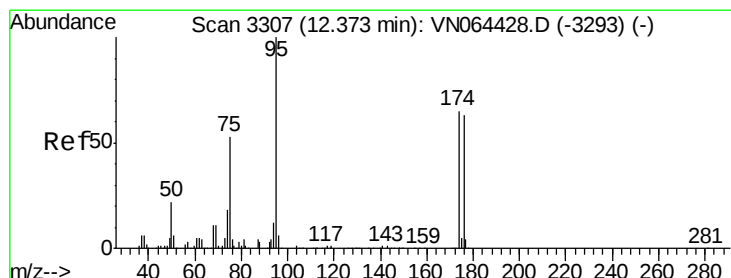
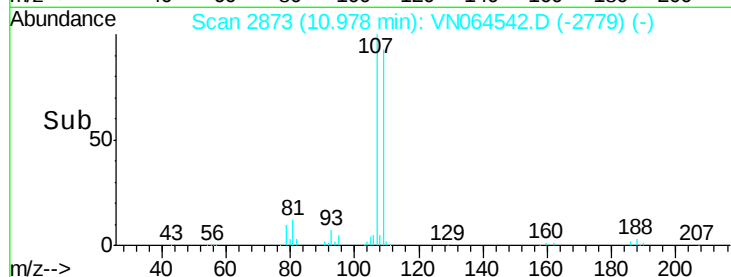
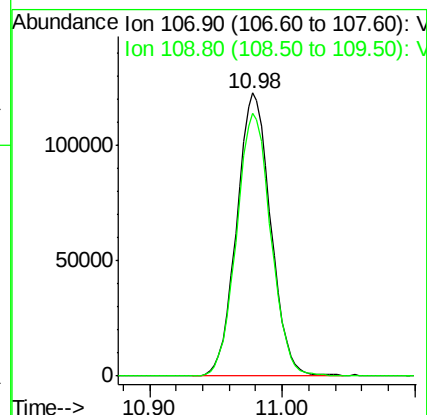
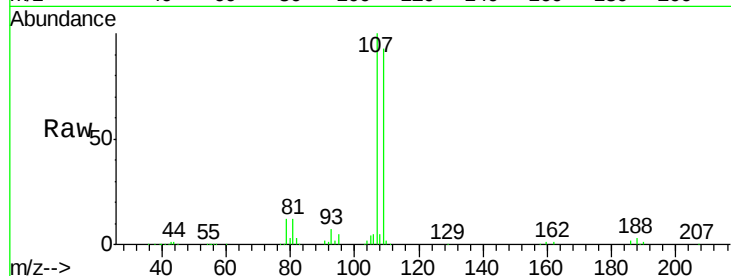




#61
 1,2-Dibromoethane
 Concen: 52.450 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

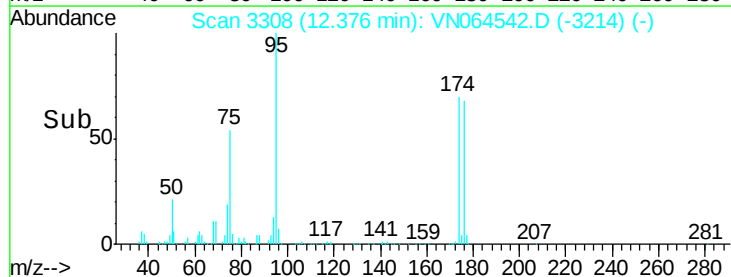
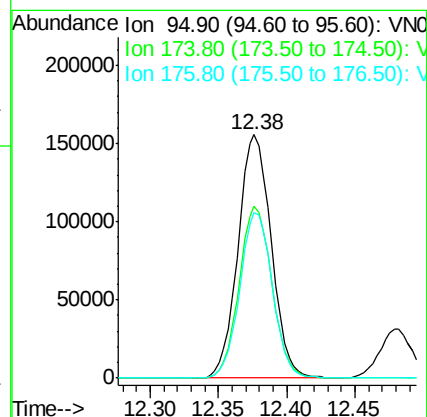
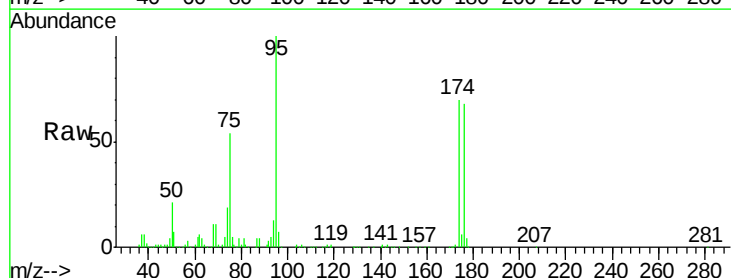
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MSD

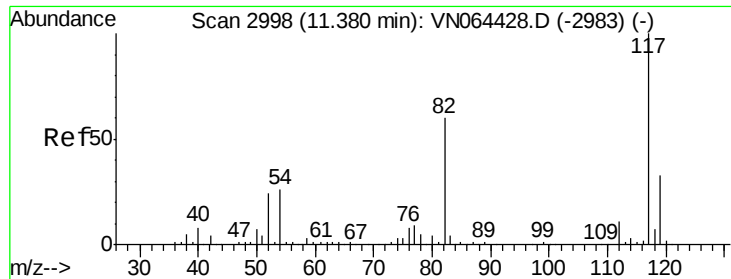
Tot Ion: 107 Resp: 218506
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 47.567 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

Tgt Ion: 95 Resp: 263311
 Ion Ratio Lower Upper
 95 100
 174 69.7 0.0 132.6
 176 66.9 0.0 129.2

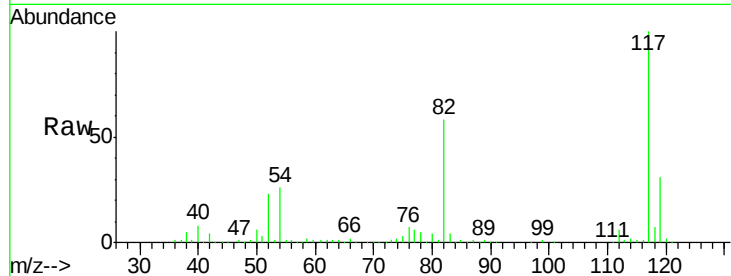




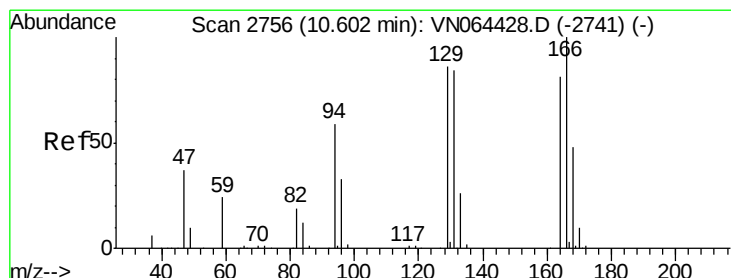
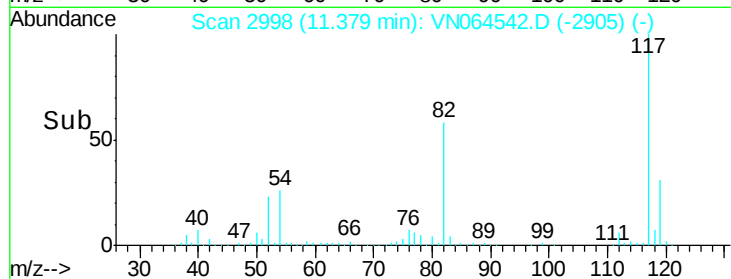
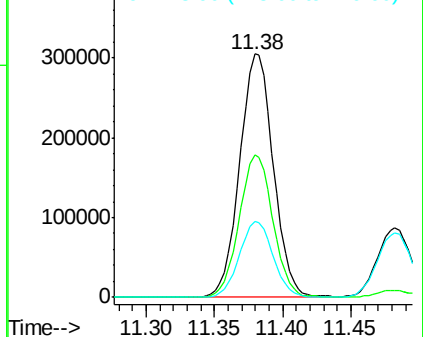
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

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

Tot Ion:117 Resp: 522047
Ion Ratio Lower Upper
117 100
82 58.4 48.1 72.1
119 31.1 26.2 39.4



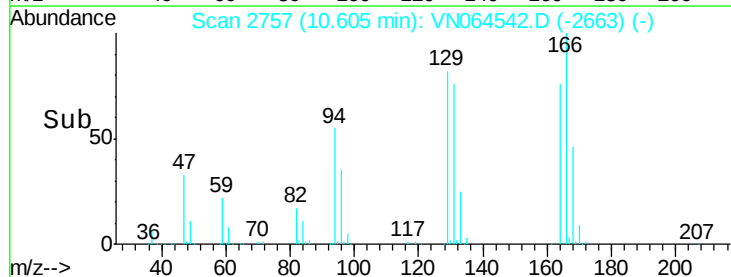
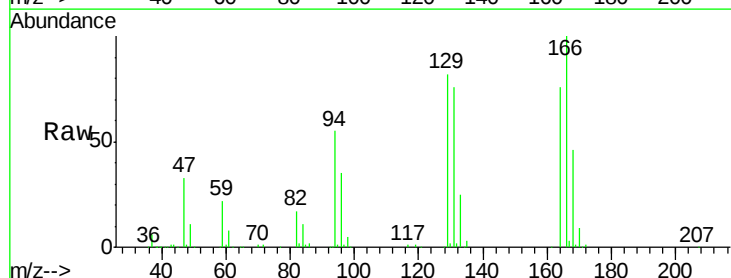
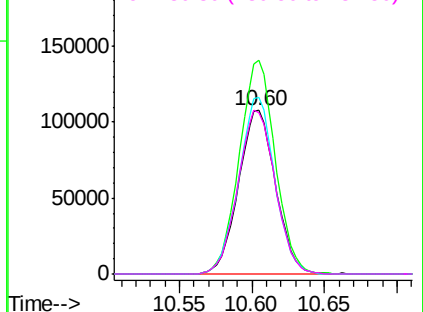
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

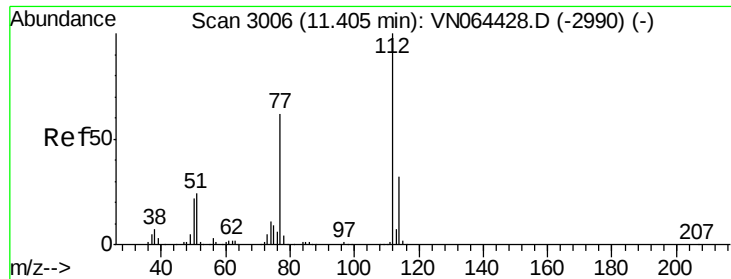


#64
Tetrachloroethene
Concen: 47.577 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion:164 Resp: 191323
Ion Ratio Lower Upper
164 100
166 130.7 98.2 147.2
129 107.8 84.6 127.0
131 99.1 82.2 123.2

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

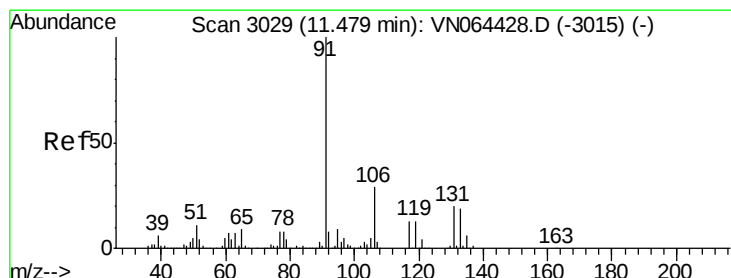
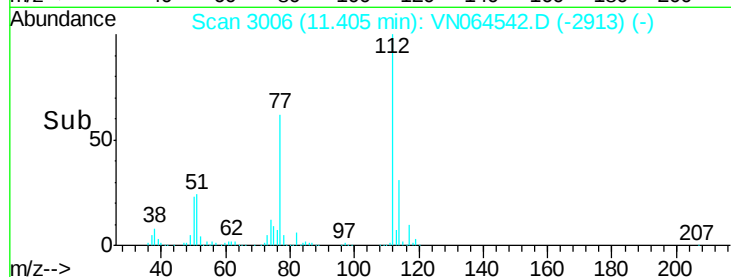
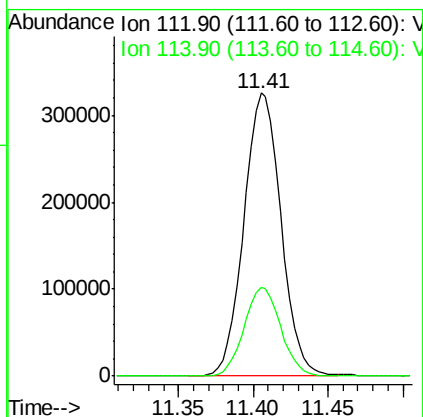
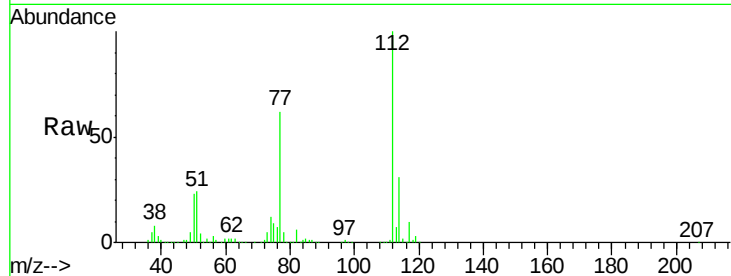




#65
Chlorobenzene
Concen: 49.155 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

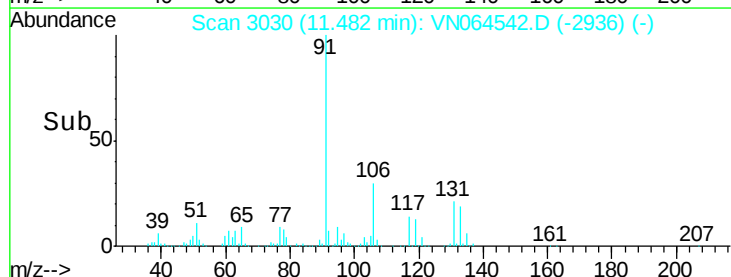
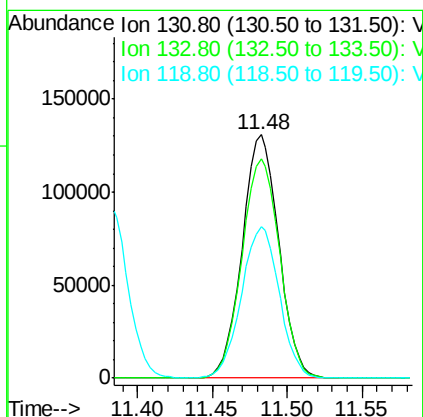
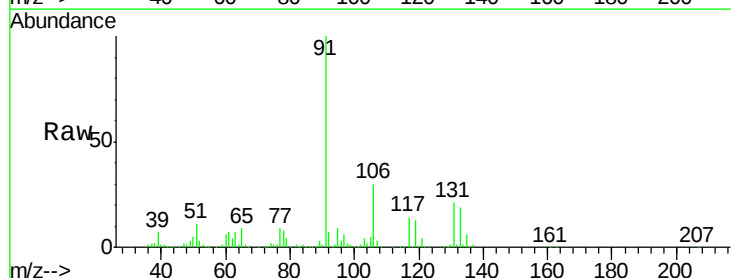
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

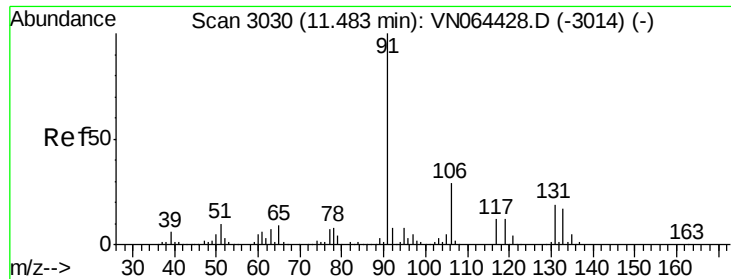
Tot Ion:112 Resp: 562550
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 52.285 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion:131 Resp: 223228
Ion Ratio Lower Upper
131 100
133 93.1 46.9 140.7
119 64.5 32.1 96.5

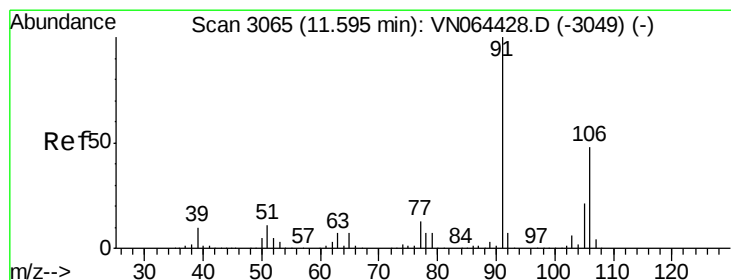
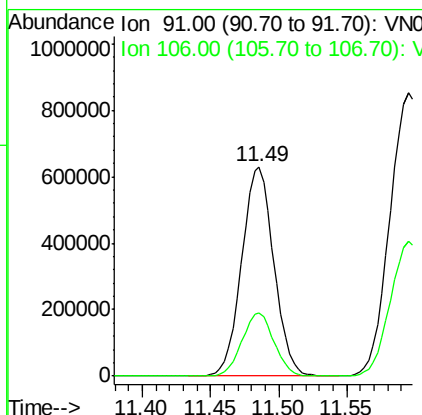
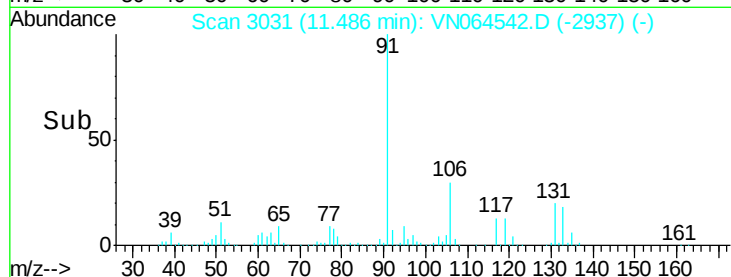
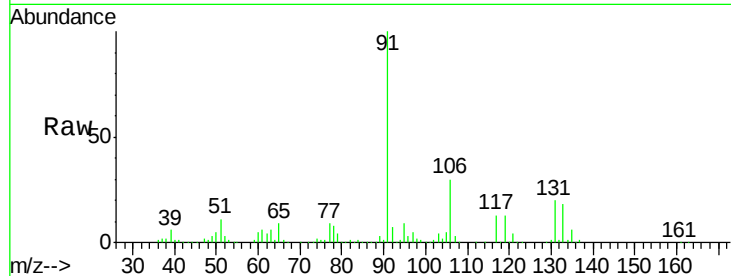




#67
Ethyl Benzene
Concen: 50.575 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

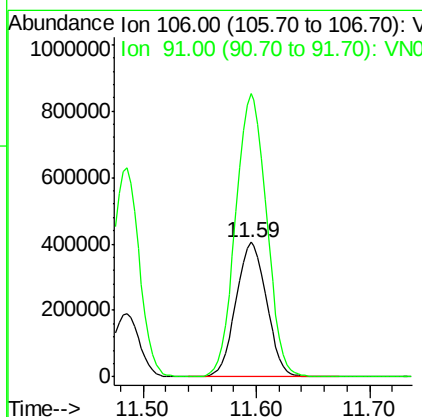
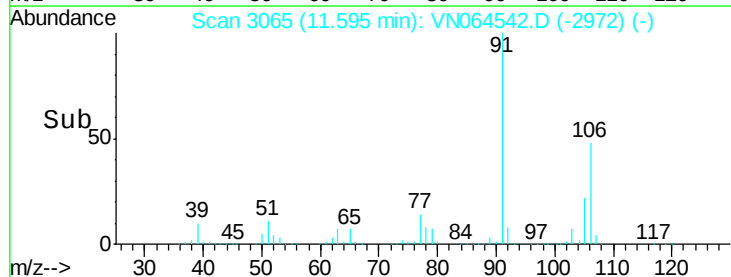
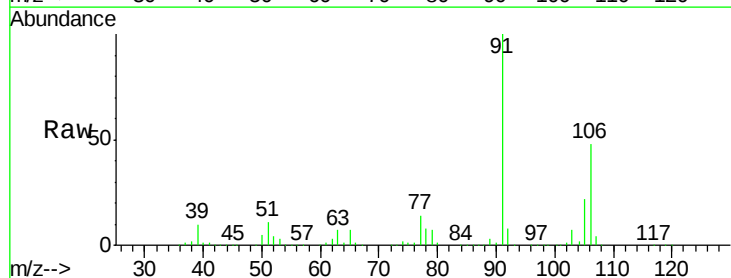
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

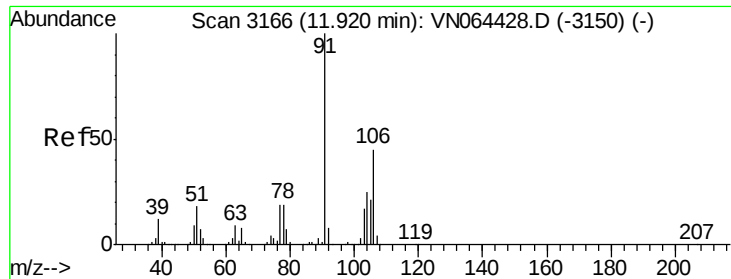
Tot Ion: 91 Resp: 1029541
Ion Ratio Lower Upper
91 100
106 30.0 23.6 35.4



#68
m/p-Xylenes
Concen: 103.223 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion: 106 Resp: 762054
Ion Ratio Lower Upper
106 100
91 213.0 169.4 254.2

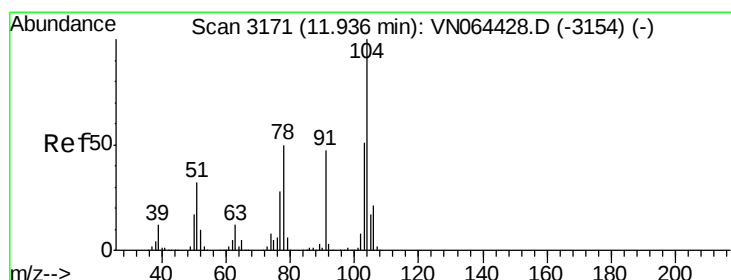
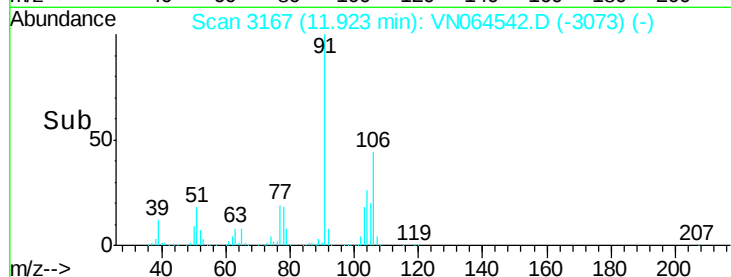
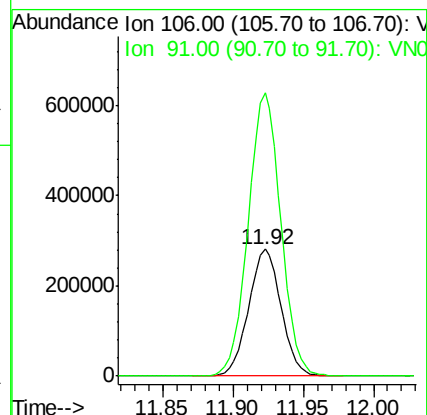
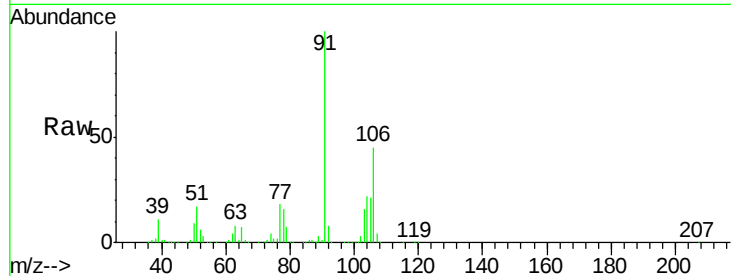




#69
o-Xylene
Concen: 63.756 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

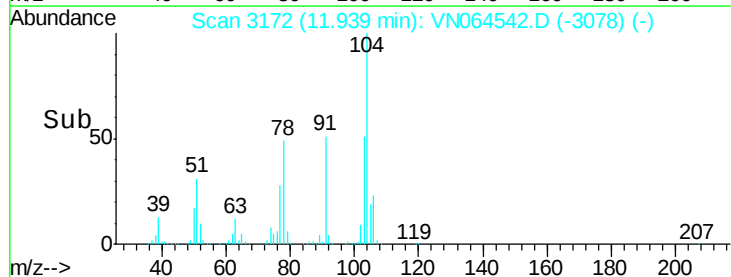
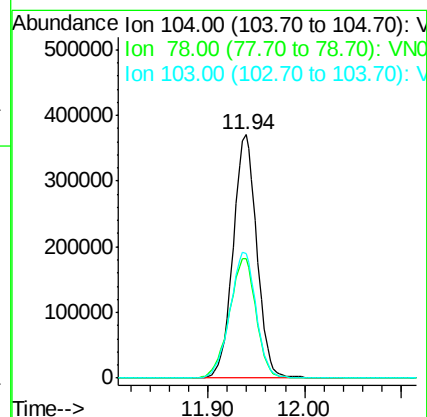
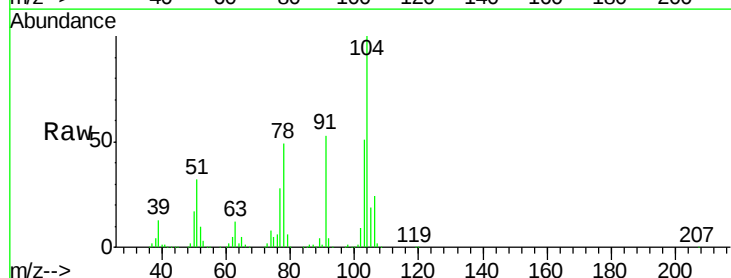
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

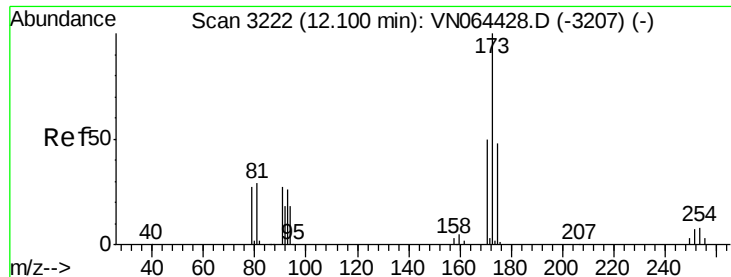
Tot Ion:106 Resp: 454825
Ion Ratio Lower Upper
106 100
91 224.4 111.7 334.9



#70
Styrene
Concen: 52.659 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion:104 Resp: 632139
Ion Ratio Lower Upper
104 100
78 55.6 44.0 66.0
103 56.9 43.8 65.6





#71

Bromoform

Concen: 49.732 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MSD

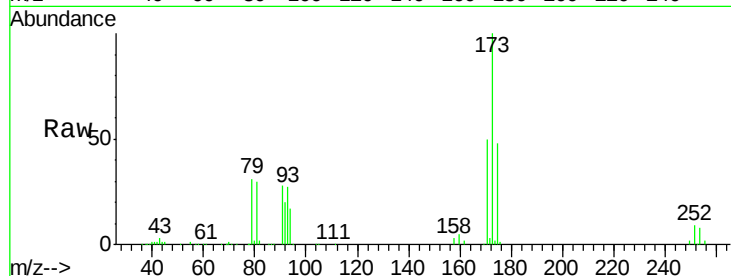
Tot Ion:173 Resp: 159410

Ion Ratio Lower Upper

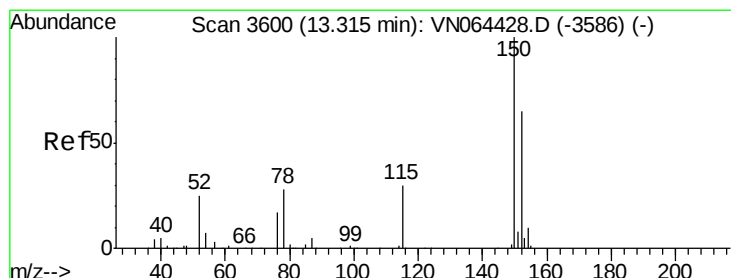
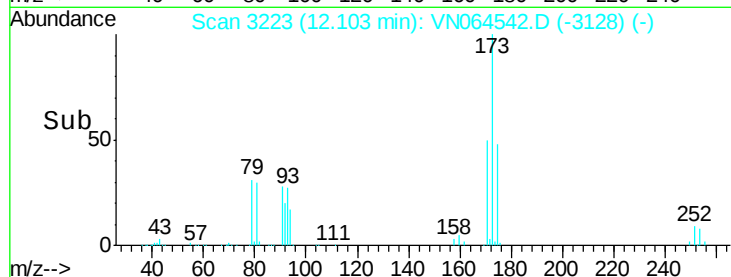
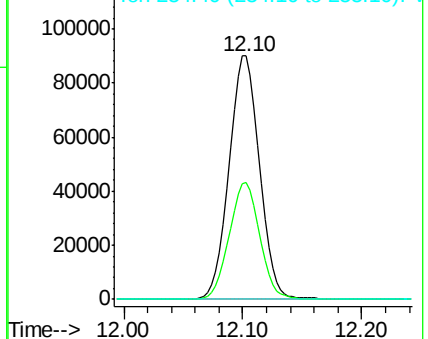
173 100

175 48.2 23.7 71.1

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

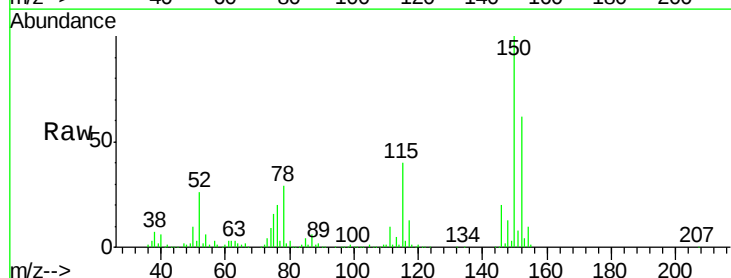
Tgt Ion:152 Resp: 250171

Ion Ratio Lower Upper

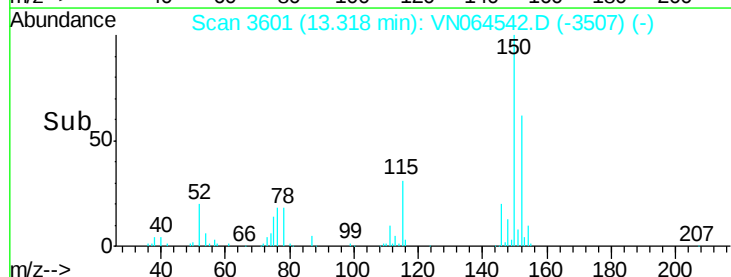
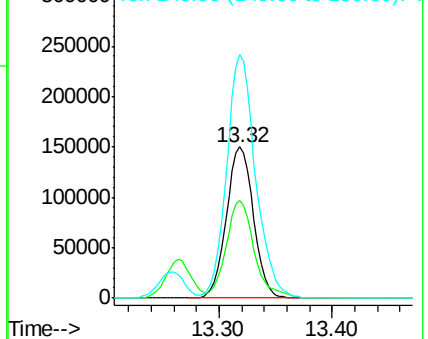
152 100

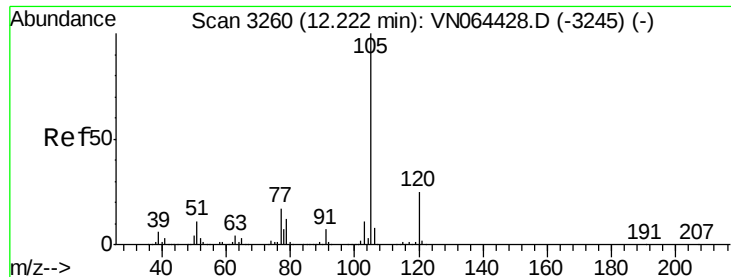
115 66.4 32.0 96.0

150 170.4 0.0 353.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

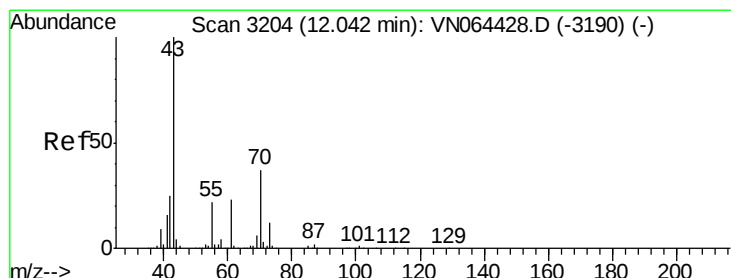
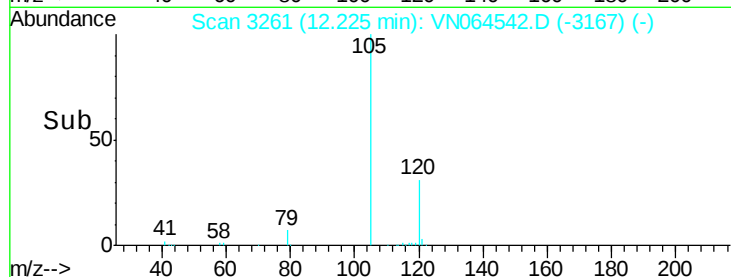
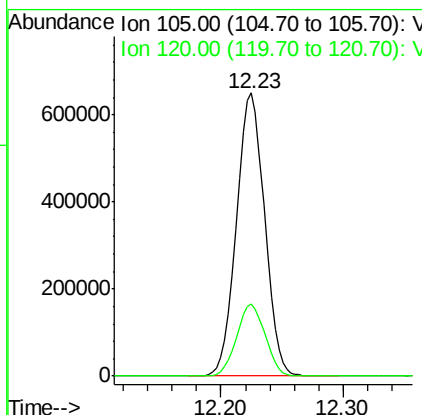
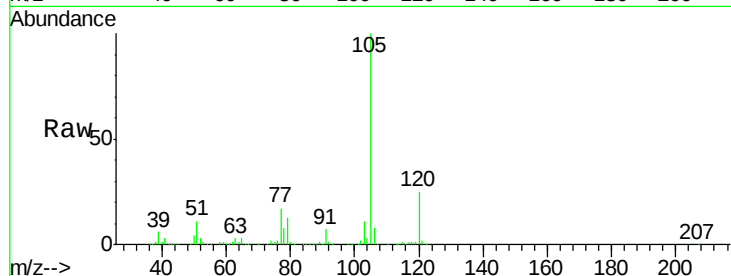




#73
Isopropylbenzene
Concen: 52.160 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

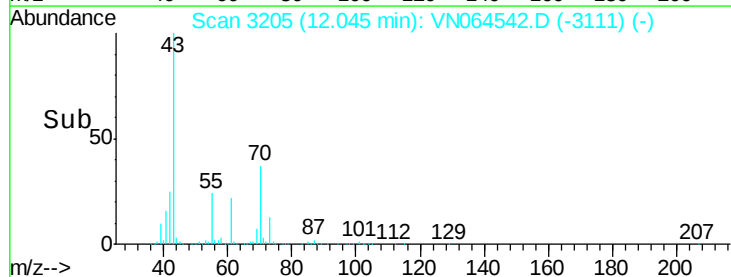
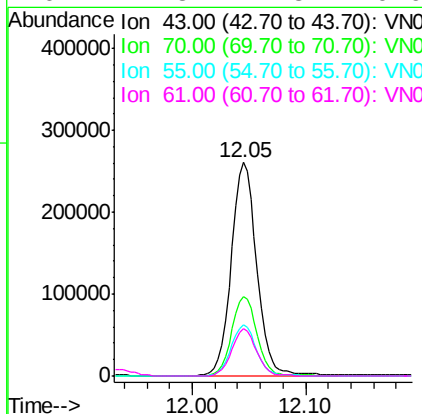
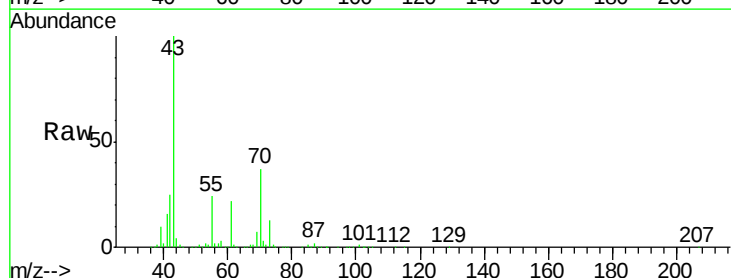
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

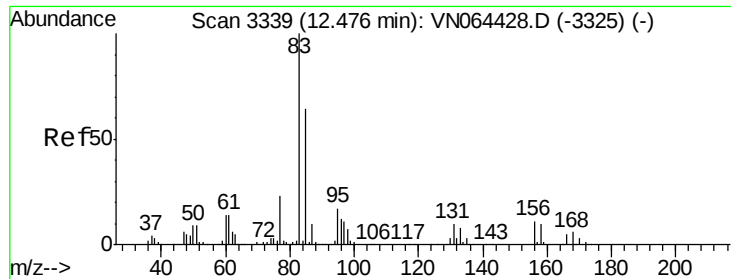
Tot Ion:105 Resp: 1037176
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.3



#74
N-ethyl acetate
Concen: 42.385 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion: 43 Resp: 406926
Ion Ratio Lower Upper
43 100
70 37.5 29.6 44.4
55 24.1 18.4 27.6
61 21.8 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.383 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MSD

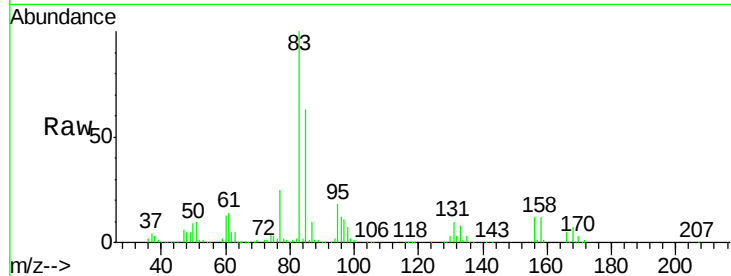
Tot Ion: 83 Resp: 307714

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.7

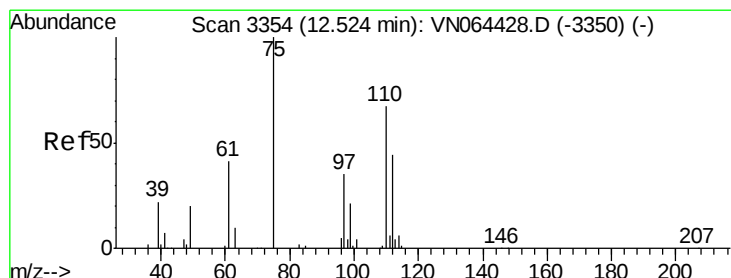
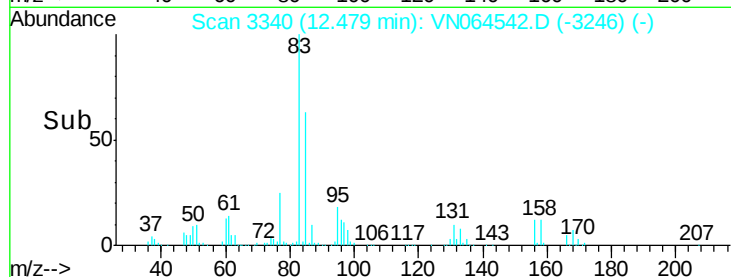
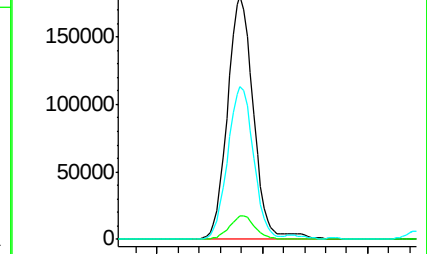
85 62.3 32.1 96.5



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) (-)



#76

1,2,3-Trichloropropane

Concen: 67.096 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064542.D

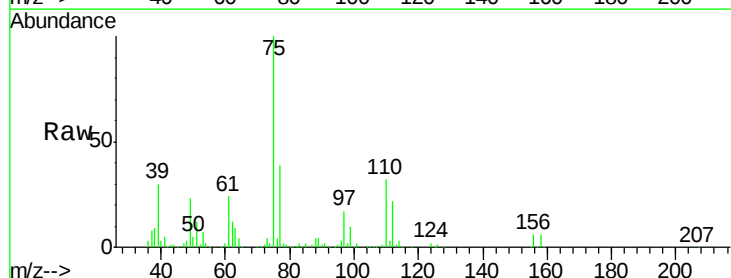
Acq: 10 Nov 2020 21:50

Tgt Ion: 75 Resp: 406700

Ion Ratio Lower Upper

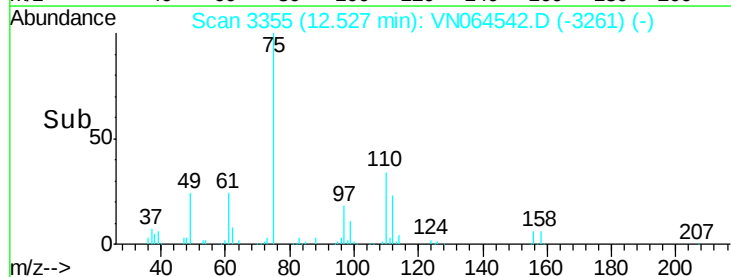
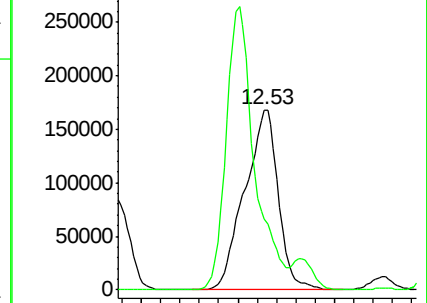
75 100

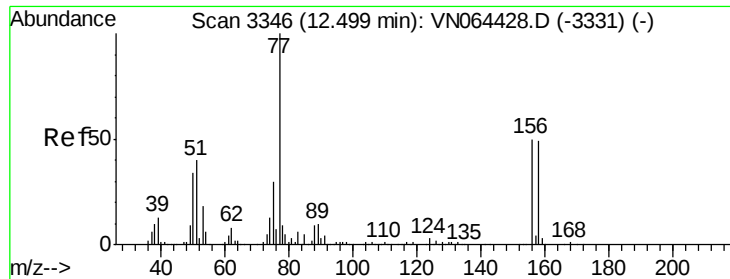
77 0.0 0.0 0.0



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

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

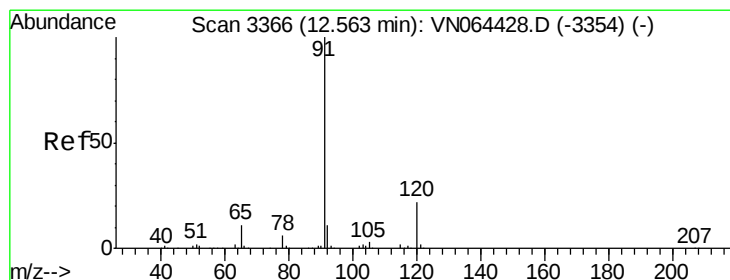
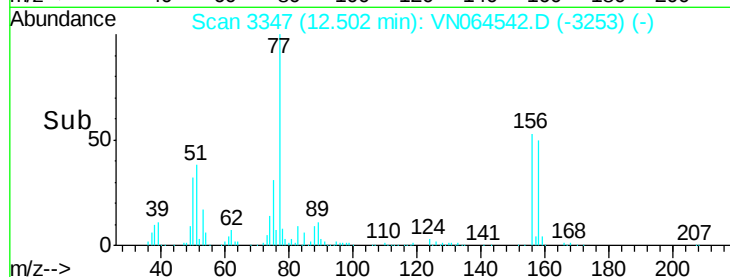
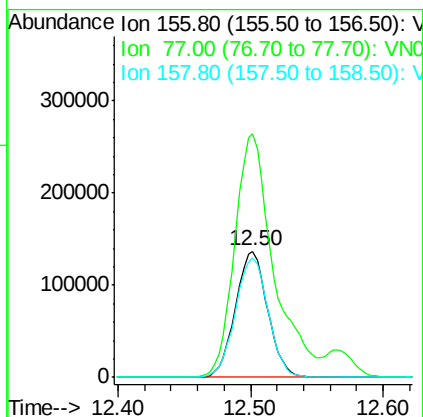
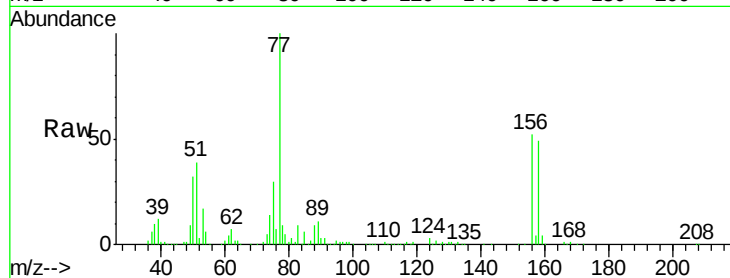




#77
Bromobenzene
Concen: 47.616 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

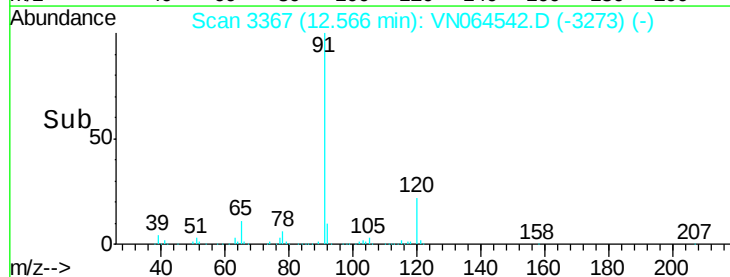
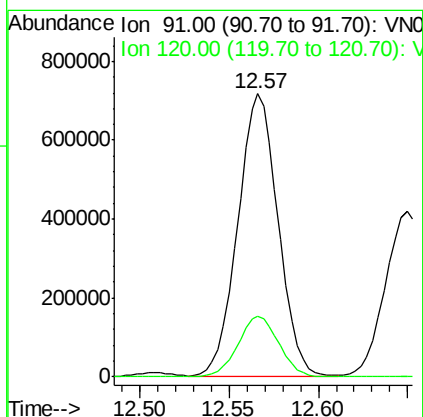
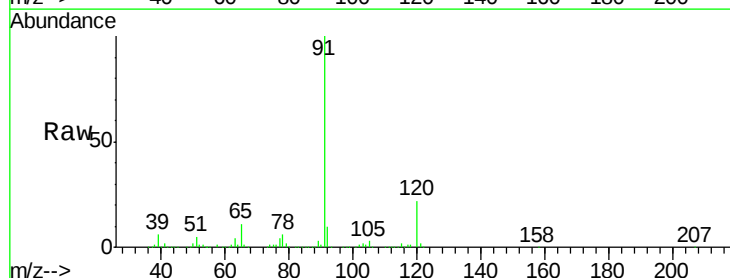
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

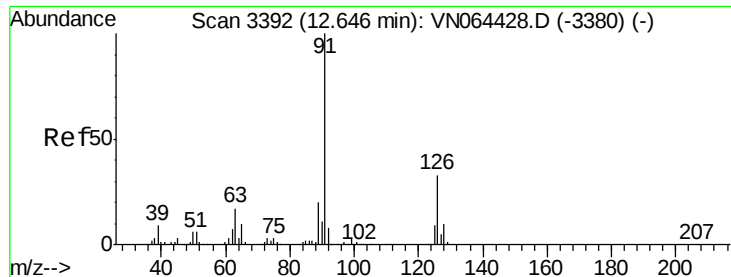
Tot Ion:156 Resp: 231157
Ion Ratio Lower Upper
156 100
77 234.3 119.0 357.0
158 97.0 48.4 145.3



#78
n-propylbenzene
Concen: 49.554 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion: 91 Resp: 1123381
Ion Ratio Lower Upper
91 100
120 21.8 11.0 33.0

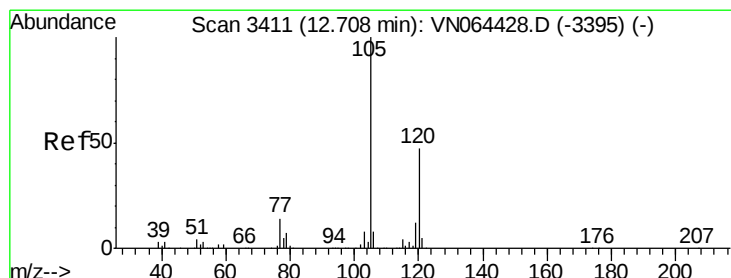
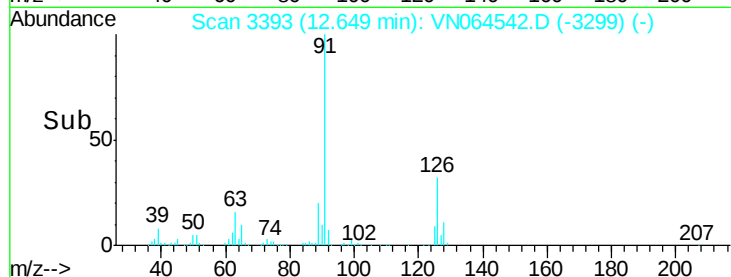
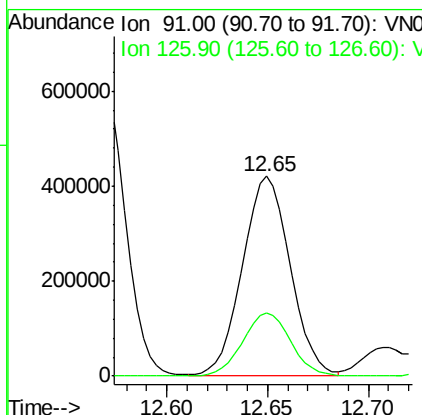
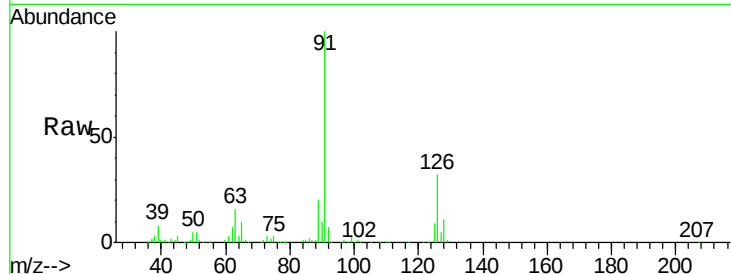




#79
 2-Chlorotoluene
 Concen: 48.172 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

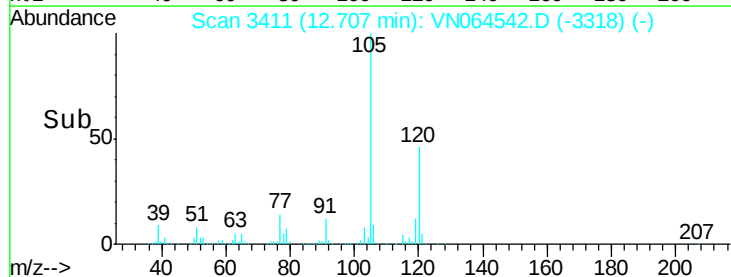
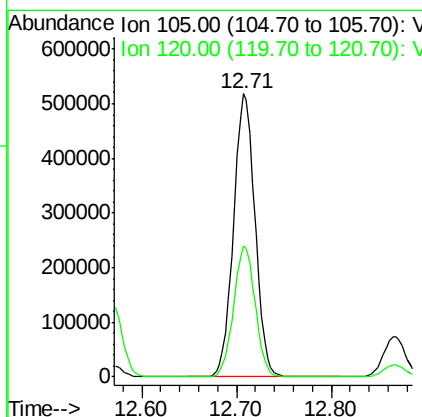
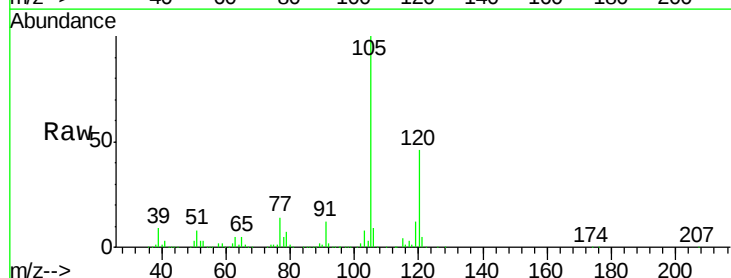
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MSD

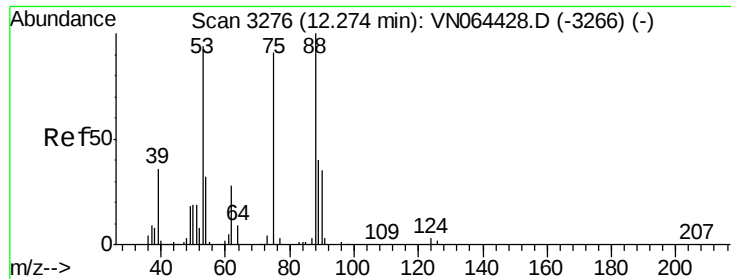
Tot Ion: 91 Resp: 692621
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 49.693 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

Tgt Ion: 105 Resp: 815173
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 45.676 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MSD

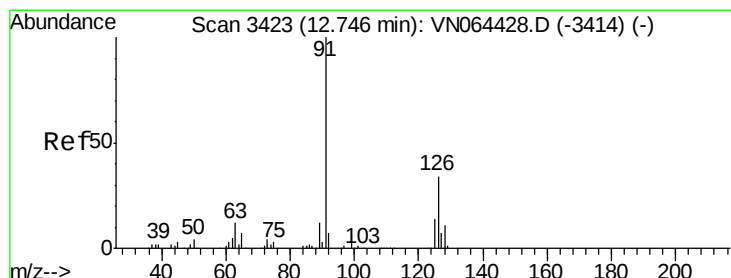
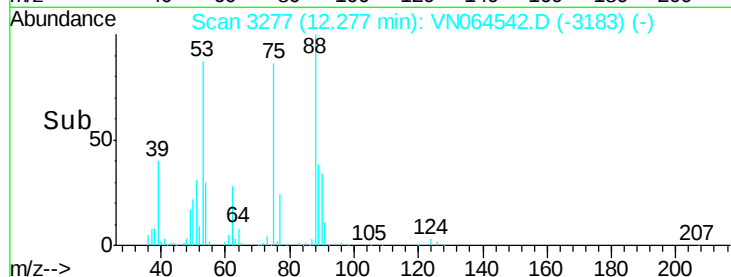
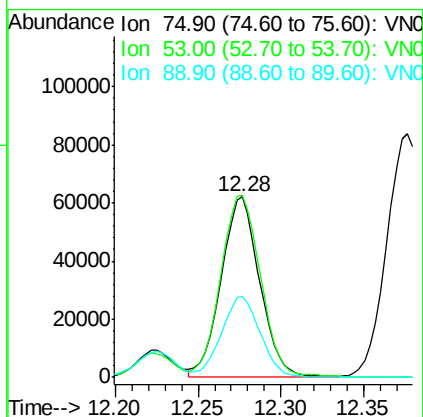
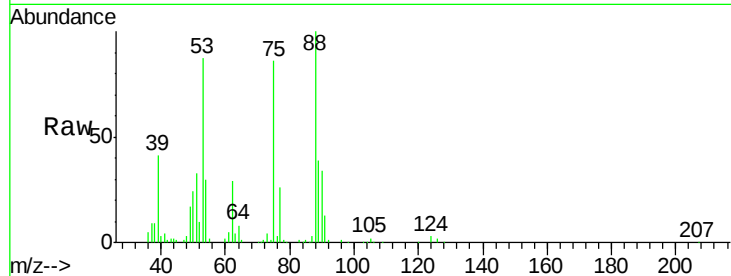
Tot Ion: 75 Resp: 99158

Ion Ratio Lower Upper

75 100

53 106.2 84.0 126.0

89 45.8 36.3 54.5



#82

4-Chlorotoluene

Concen: 48.697 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN064542.D

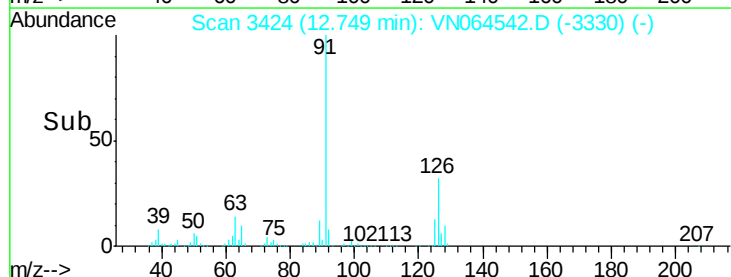
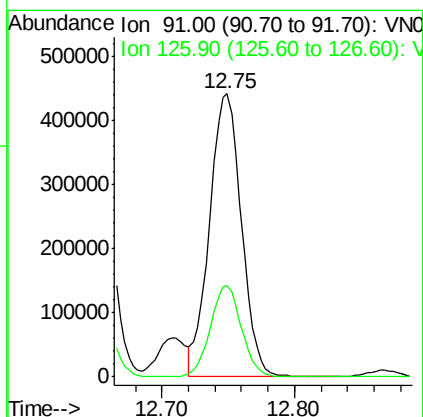
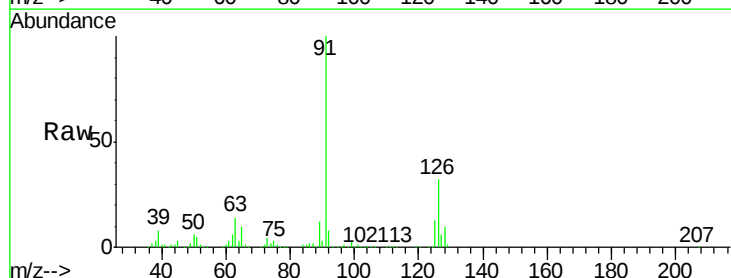
Acq: 10 Nov 2020 21:50

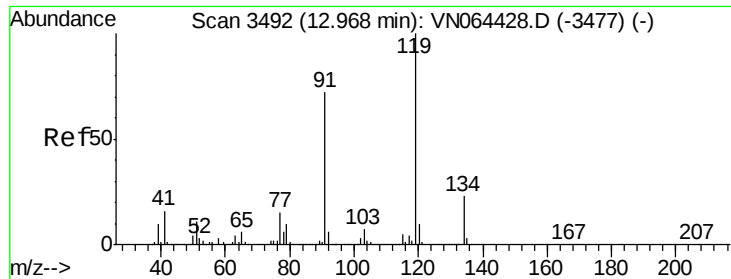
Tgt Ion: 91 Resp: 733259

Ion Ratio Lower Upper

91 100

126 31.3 15.4 46.2

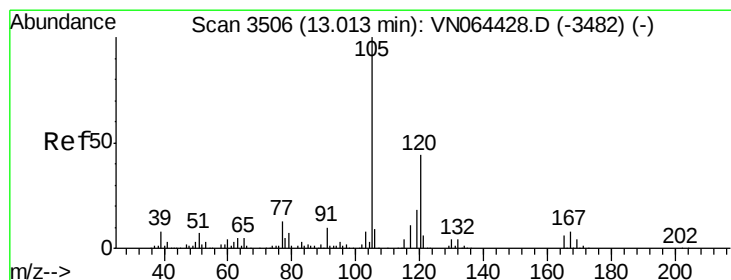
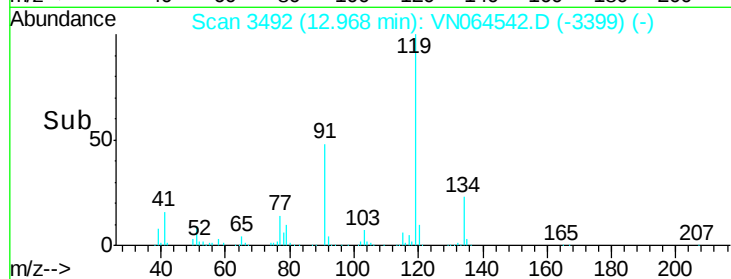
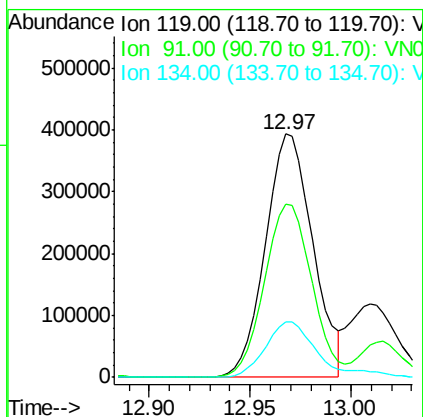
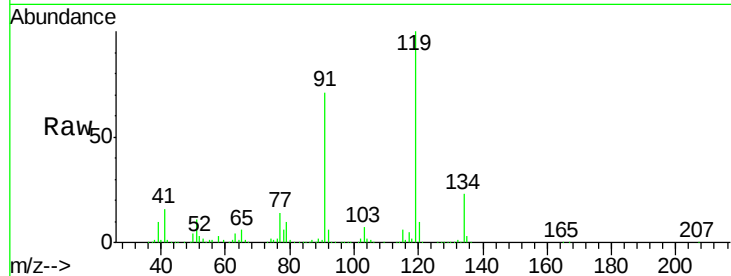




#83
 tert-Butylbenzene
 Concen: 50.200 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

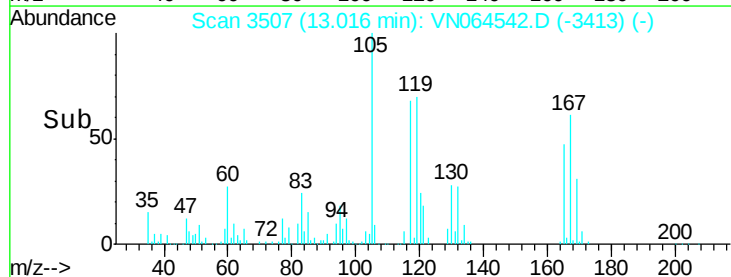
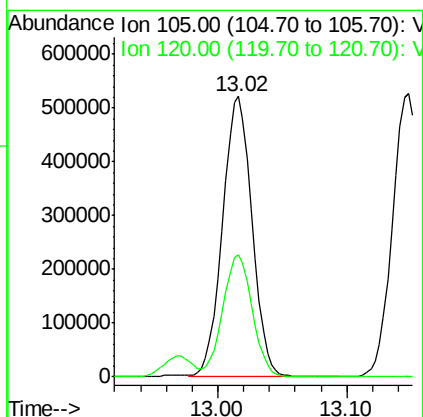
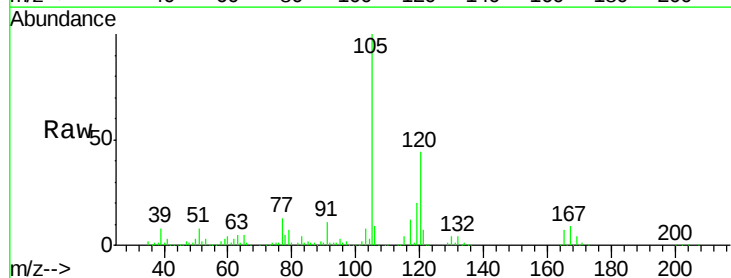
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MSD

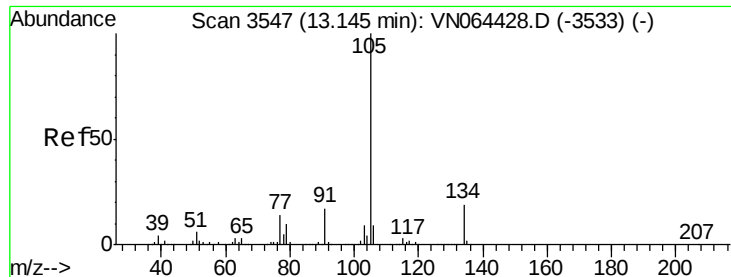
Tot Ion:119 Resp: 643157
 Ion Ratio Lower Upper
 119 100
 91 70.7 36.1 108.3
 134 25.2 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 49.920 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

Tgt Ion:105 Resp: 823205
 Ion Ratio Lower Upper
 105 100
 120 43.5 21.9 65.7





#85

sec-Butylbenzene

Concen: 51.560 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

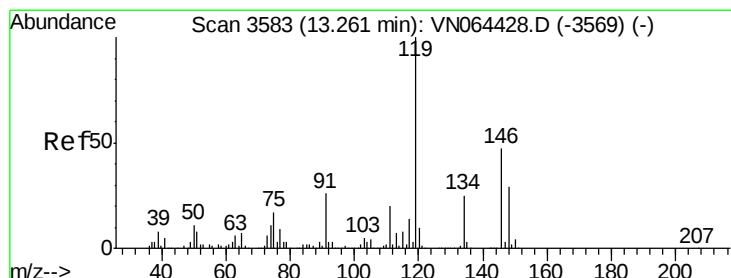
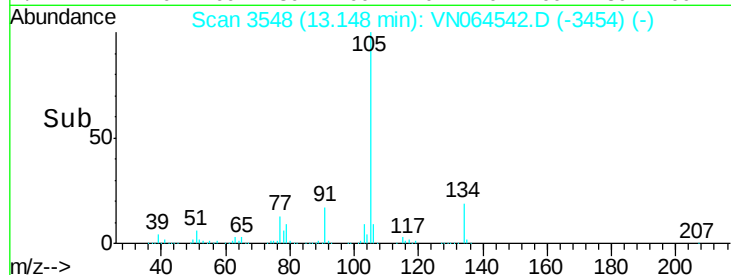
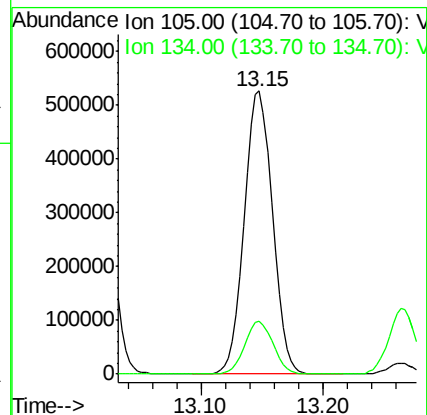
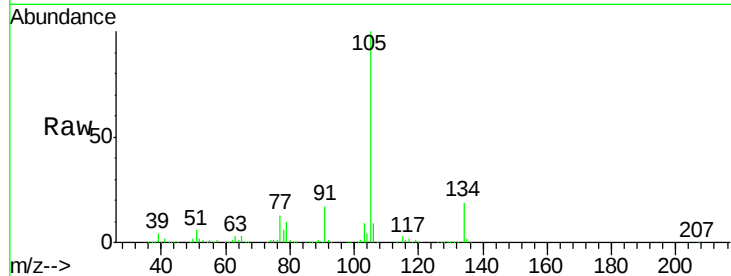
BP-VPB178-GW-498-500MSD

Tot Ion:105 Resp: 836600

Ion Ratio Lower Upper

105 100

134 18.8 9.4 28.2



#86

p-Isopropyltoluene

Concen: 51.469 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

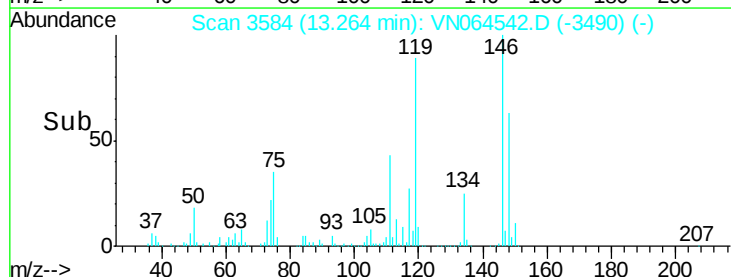
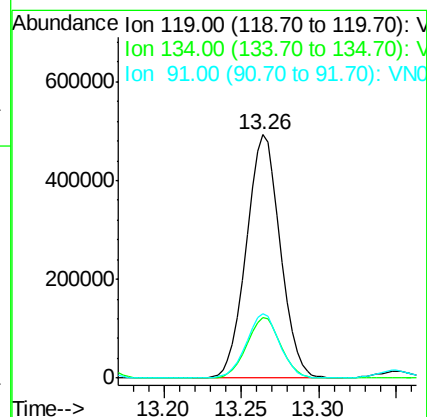
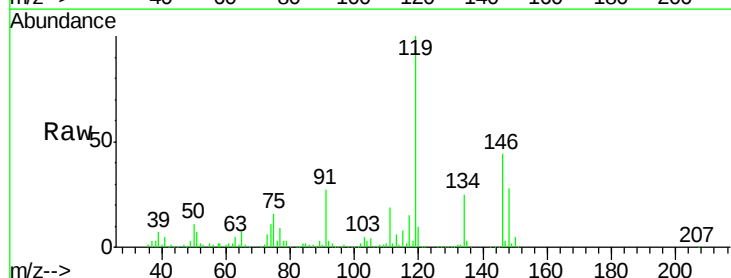
Tgt Ion:119 Resp: 751177

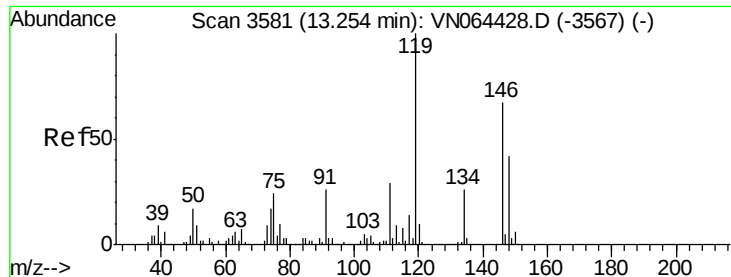
Ion Ratio Lower Upper

119 100

134 24.9 12.6 37.6

91 25.9 12.8 38.3

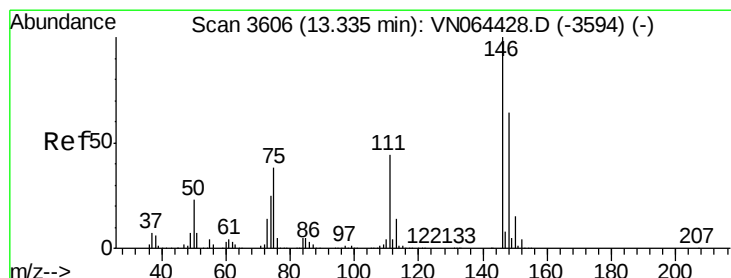
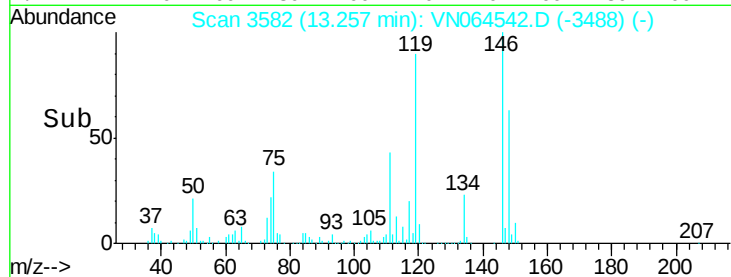
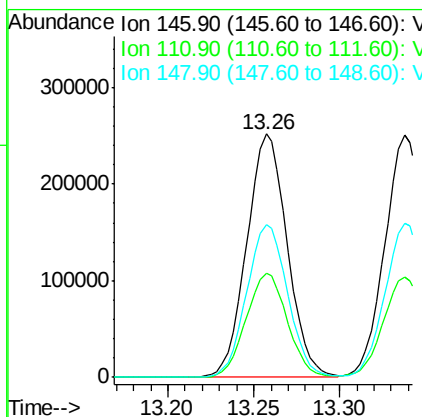
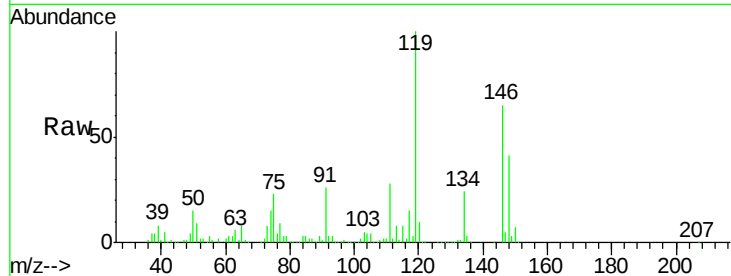




#87
 1,3-Dichlorobenzene
 Concen: 49.102 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

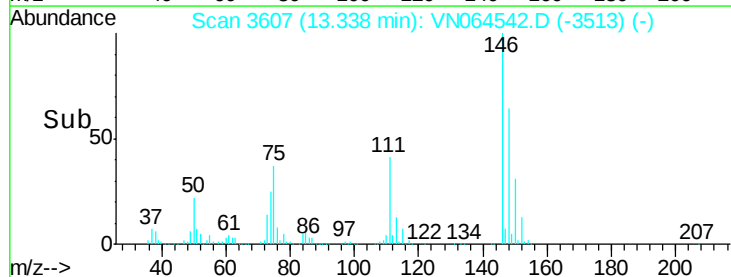
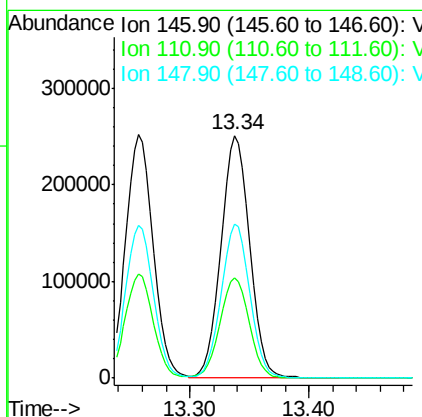
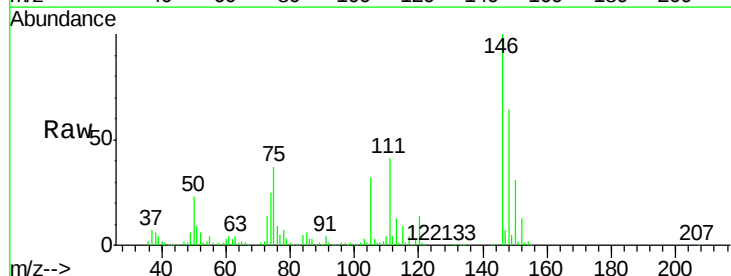
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MSD

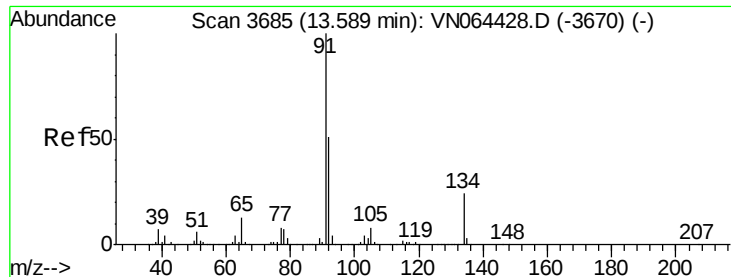
Tot Ion:146 Resp: 412061
 Ion Ratio Lower Upper
 146 100
 111 43.4 22.1 66.1
 148 63.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 48.154 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

Tgt Ion:146 Resp: 417610
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.8 65.3
 148 63.2 32.4 97.2

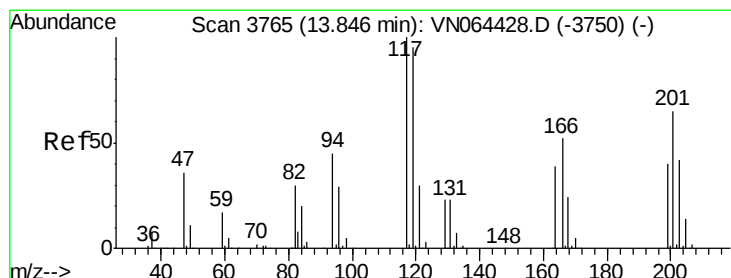
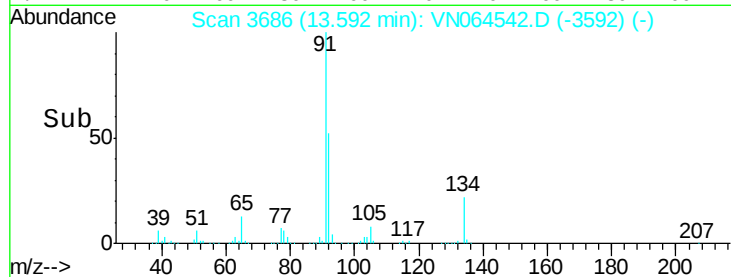
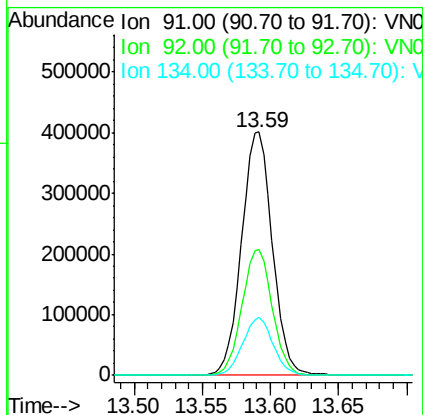
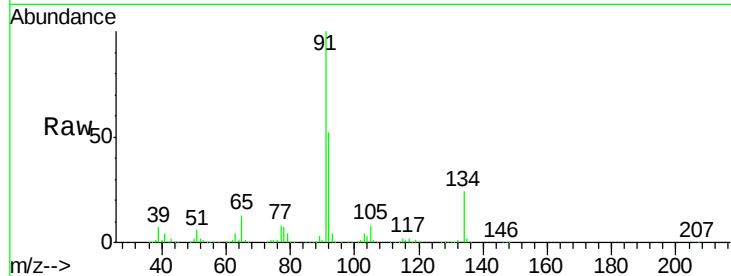




#89
n-Butylbenzene
Concen: 50.064 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

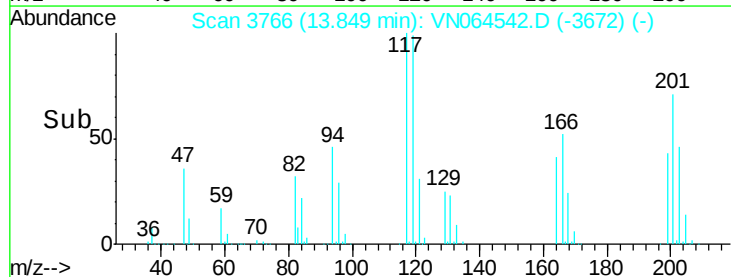
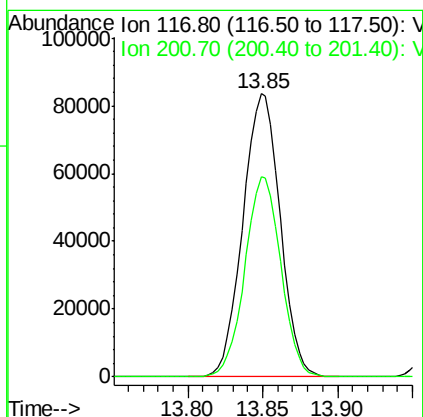
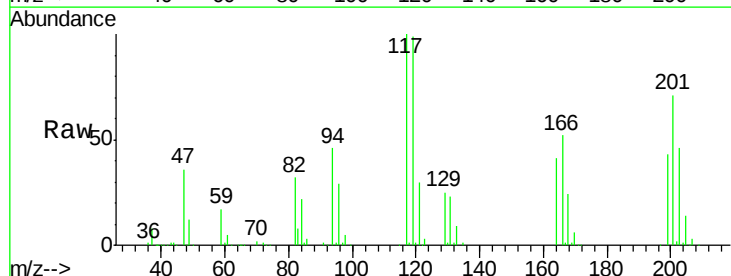
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MSD

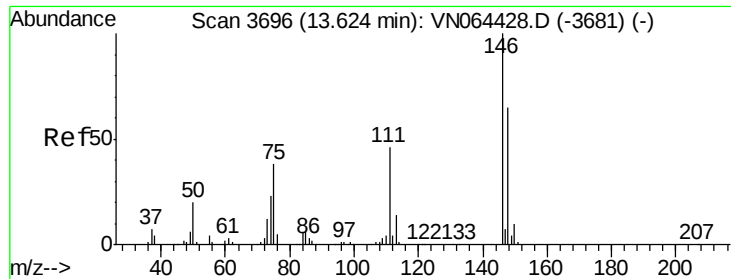
Tot Ion: 91 Resp: 628222
Ion Ratio Lower Upper
91 100
92 50.9 25.3 75.9
134 23.3 11.8 35.4



#90
Hexachloroethane
Concen: 51.495 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion: 117 Resp: 144978
Ion Ratio Lower Upper
117 100
201 68.1 32.5 97.5





#91

1,2-Dichlorobenzene

Concen: 50.148 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MSD

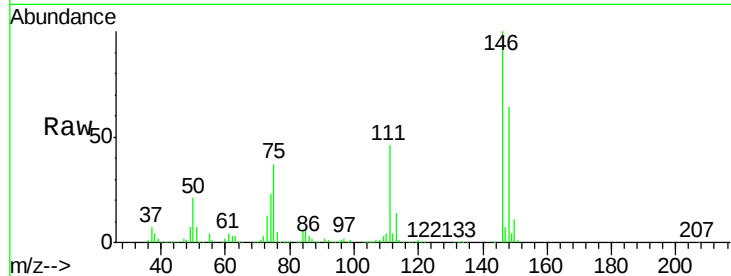
Tot Ion:146 Resp: 404807

Ion Ratio Lower Upper

146 100

111 46.0 22.9 68.7

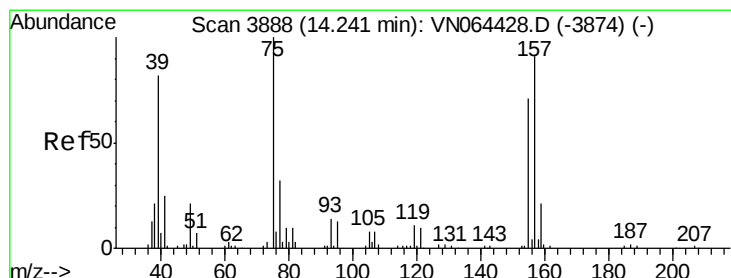
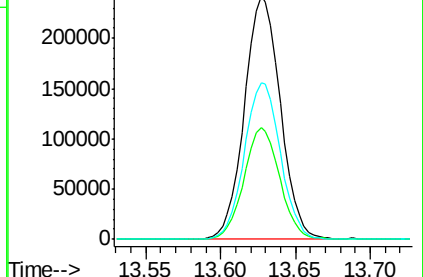
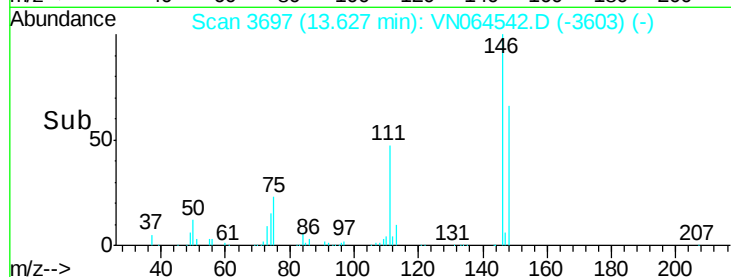
148 64.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.062 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN064542.D

Acq: 10 Nov 2020 21:50

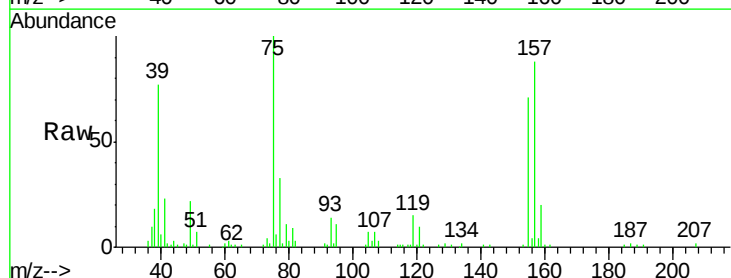
Tgt Ion: 75 Resp: 63307

Ion Ratio Lower Upper

75 100

155 68.9 34.6 103.9

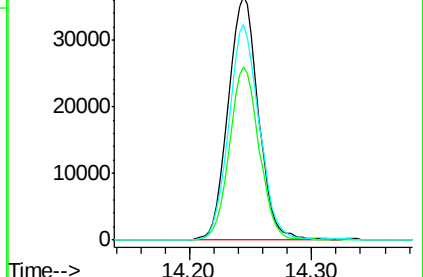
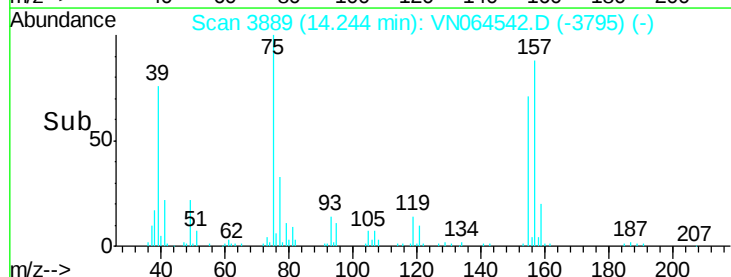
157 88.7 43.0 128.8

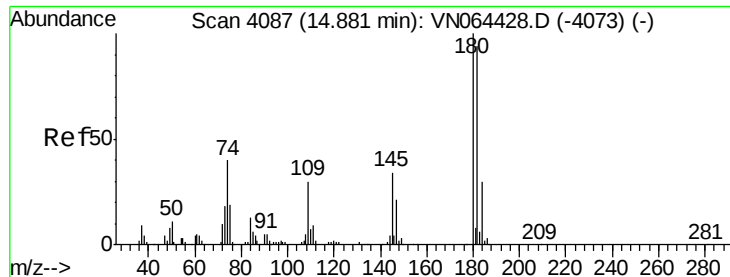


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

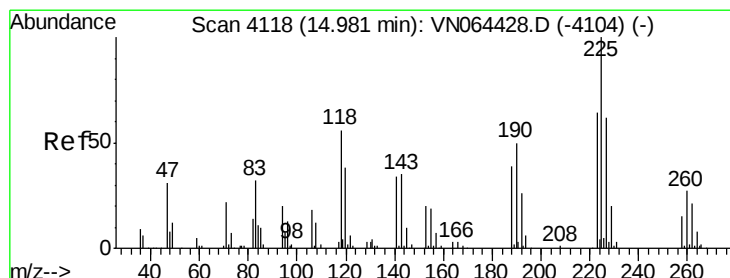
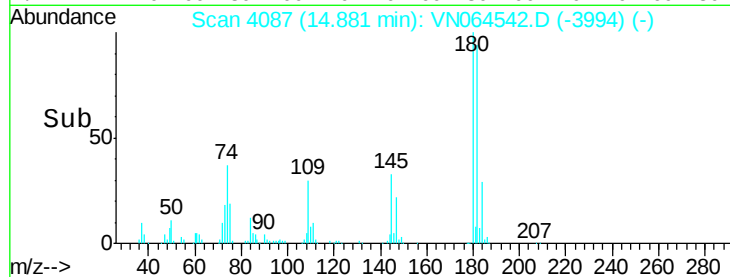
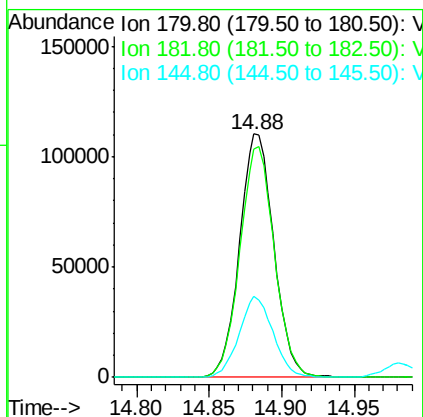
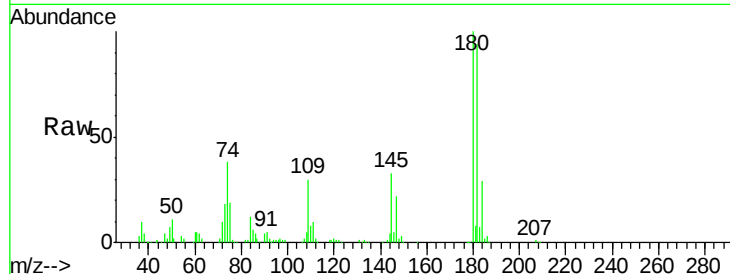




#93
 1,2,4-Trichlorobenzene
 Concen: 45.430 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

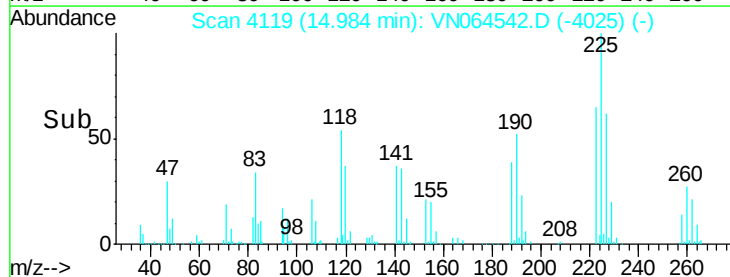
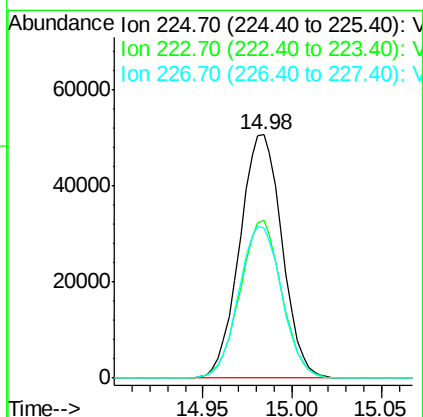
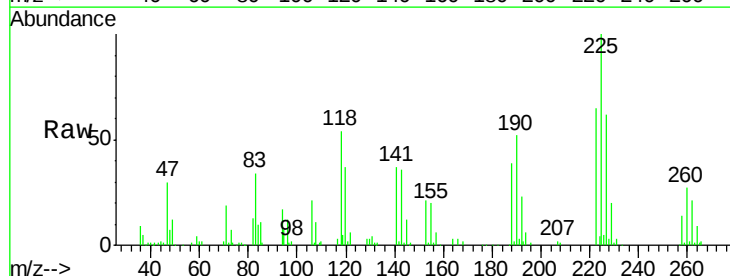
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MSD

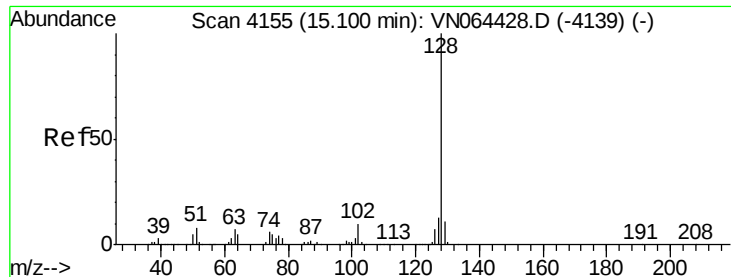
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	142.0
145	33.1	16.7	50.1



#94
 Hexachlorobutadiene
 Concen: 50.995 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064542.D
 Acq: 10 Nov 2020 21:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.8	95.4
227	63.3	31.8	95.4

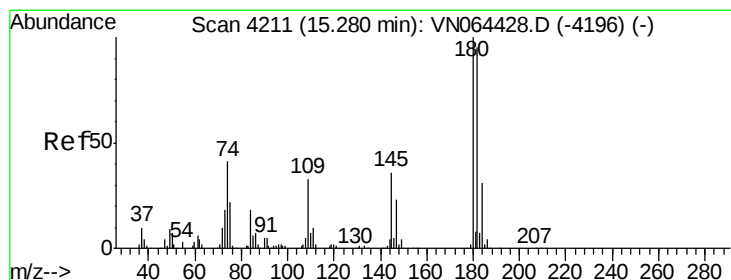
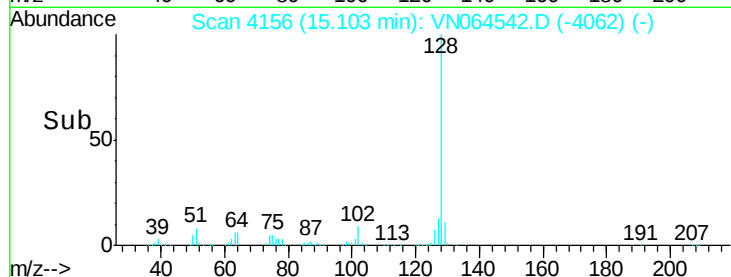
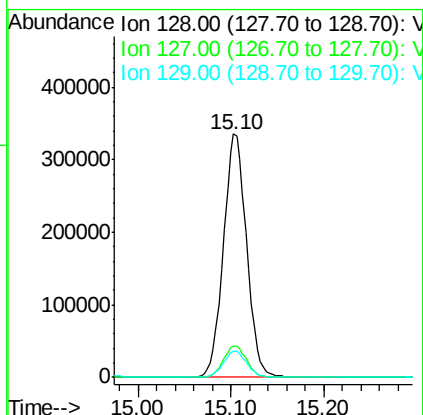
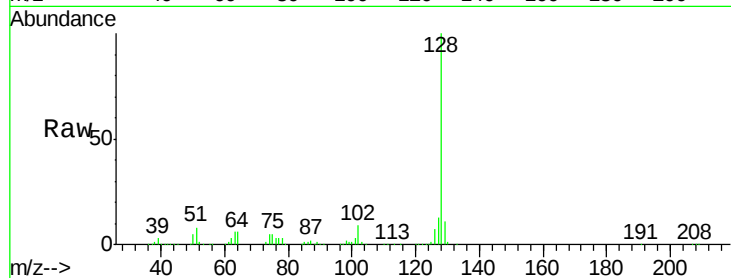




#95
Naphthalene
Concen: 42.936 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

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

Tot Ion:128 Resp: 581559
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 45.913 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064542.D
Acq: 10 Nov 2020 21:50

Tgt Ion:180 Resp: 177379
Ion Ratio Lower Upper
180 100
182 94.8 47.7 143.1
145 35.8 18.3 54.8

