

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061243.D
 Acq On : 1 May 2020 20:09
 Operator : JC/MD
 Sample : L2468-07MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

Quant Time: May 04 00:58:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	115623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	197993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	187467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89512	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	90479	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.55	113	57359	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	10.06	98	248925	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.38	95	92965	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	59812	48.783	ug/l	100
3) Chloromethane	2.03	50	89293	60.132	ug/l	99
4) Vinyl Chloride	2.16	62	89934	53.322	ug/l	100
5) Bromomethane	2.53	94	35793	42.932	ug/l	100
6) Chloroethane	2.67	64	52227	48.854	ug/l	99
7) Trichlorofluoromethane	2.98	101	108442	56.989	ug/l	100
8) Diethyl Ether	3.37	74	46312	58.349	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	62217	50.753	ug/l	99
10) Methyl Iodide	3.91	142	75223	47.747	ug/l	97
11) Tert butyl alcohol	4.73	59	62884	256.588	ug/l	99
12) 1,1-Dichloroethene	3.70	96	63208	51.813	ug/l	98
13) Acrolein	3.56	56	42167	258.186	ug/l	98
14) Allyl chloride	4.27	41	140570	62.146	ug/l	94
15) Acrylonitrile	4.93	53	214447	285.046	ug/l	98
16) Acetone	3.77	43	187860	265.854	ug/l	98
17) Carbon Disulfide	4.01	76	160587	47.654	ug/l	99
18) Methyl Acetate	4.28	43	106745	46.273	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	239780	51.439	ug/l	99
20) Methylene Chloride	4.50	84	76547	53.658	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	68991	51.936	ug/l	98
22) Diisopropyl ether	5.90	45	293040	55.867	ug/l	97
23) Vinyl Acetate	5.84	43	1056945	250.260	ug/l	99
24) 1,1-Dichloroethane	5.80	63	145547	53.109	ug/l	99
25) 2-Butanone	6.78	43	294463	272.001	ug/l	100
26) 2,2-Dichloropropane	6.78	77	103506	44.840	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	80629	51.723	ug/l	99
28) Bromochloromethane	7.15	49	71103	54.738	ug/l	95
29) Tetrahydrofuran	7.17	42	202197	277.267	ug/l	96
30) Chloroform	7.33	83	138190	49.758	ug/l	99
31) Cyclohexane	7.61	56	127994	48.091	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	117645	48.646	ug/l	99
36) 1,1-Dichloropropene	7.75	75	103285	52.111	ug/l	100
37) Ethyl Acetate	6.88	43	116094	49.964	ug/l	100
38) Carbon Tetrachloride	7.73	117	87541	48.482	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	111222	50.038	ug/l	97
40) Benzene	8.00	78	310461	52.577	ug/l	99
41) Methacrylonitrile	7.12	41	59236	61.401	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	113474	50.726	ug/l	100
43) Isopropyl Acetate	8.13	43	195891	50.799	ug/l #	92
44) Trichloroethene	8.80	130	77521	48.564	ug/l	98
45) 1,2-Dichloropropane	9.09	63	84305	53.441	ug/l	99
46) Dibromomethane	9.18	93	51072	52.287	ug/l	98
47) Bromodichloromethane	9.37	83	109791	52.368	ug/l	99
48) Methyl methacrylate	9.17	41	94557	54.339	ug/l	100
49) 1,4-Dioxane	9.17	88	20075	1016.323	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	628963	277.097	ug/l	100
52) Toluene	10.13	92	186583	52.460	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	120115	50.846	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	126705	50.733	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	73186	51.588	ug/l	98
56) Ethyl methacrylate	10.40	69	120208	48.700	ug/l	97
57) 1,3-Dichloropropane	10.68	76	132804	53.257	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.81	63	663	0.577	ug/l #	49
59) 2-Hexanone	10.72	43	457943	277.315	ug/l	100
60) Dibromochloromethane	10.88	129	77007	51.828	ug/l	98
61) 1,2-Dibromoethane	10.98	107	73711	51.839	ug/l	99
64) Tetrachloroethene	10.60	164	75010	46.198	ug/l	99
65) Chlorobenzene	11.41	112	189273	50.897	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	68721	51.632	ug/l	99
67) Ethyl Benzene	11.48	91	360787	51.827	ug/l	100
68) m/p-Xylenes	11.60	106	262746	103.115	ug/l	99
69) o-Xylene	11.92	106	123665	50.525	ug/l	97
70) Styrene	11.94	104	214373	52.330	ug/l	99
71) Bromoform	12.10	173	52730	53.906	ug/l #	99
73) Isopropylbenzene	12.22	105	340534	51.749	ug/l	99
74) N-amyl acetate	12.05	43	168094	50.445	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	109383	53.309	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	147359	78.085	ug/l #	100
77) Bromobenzene	12.50	156	77687	51.142	ug/l	97
78) n-propylbenzene	12.57	91	414437	53.098	ug/l	99
79) 2-Chlorotoluene	12.65	91	240524	52.428	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	289059	53.074	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	38605	51.950	ug/l	98
82) 4-Chlorotoluene	12.75	91	252736	52.270	ug/l	98
83) tert-Butylbenzene	12.97	119	240176	52.298	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	290719	51.810	ug/l	99
85) sec-Butylbenzene	13.15	105	331655	52.970	ug/l	99
86) p-Isopropyltoluene	13.26	119	295928	52.458	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	143375	51.270	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	145286	50.848	ug/l	99
89) n-Butylbenzene	13.59	91	271613	52.520	ug/l	99
90) Hexachloroethane	13.85	117	32541	54.494	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	139174	51.904	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	22309	51.480	ug/l	98

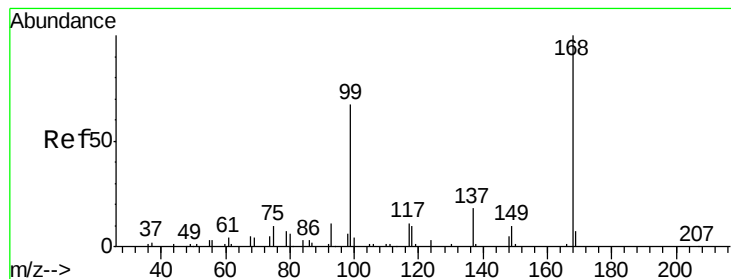
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	82634	50.608	ug/l	100
94) Hexachlorobutadiene	14.99	225	36689	53.785	ug/l	98
95) Naphthalene	15.11	128	267125	50.234	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	82227	51.007	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

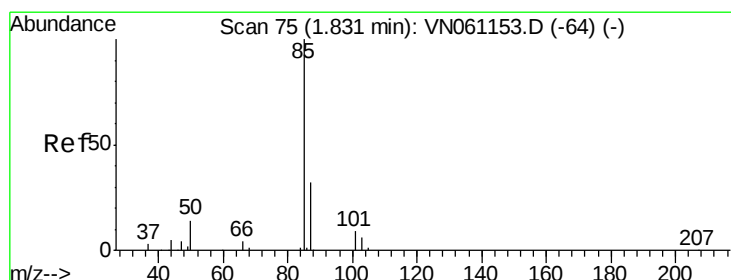
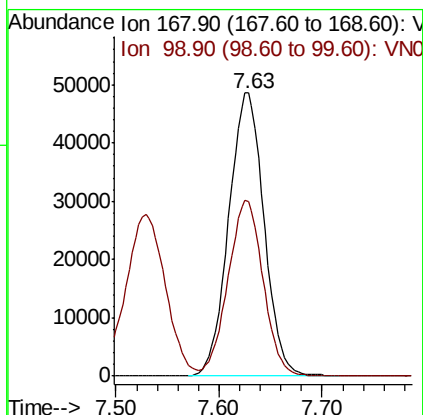
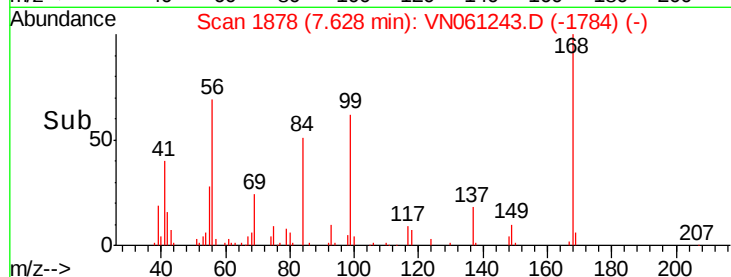
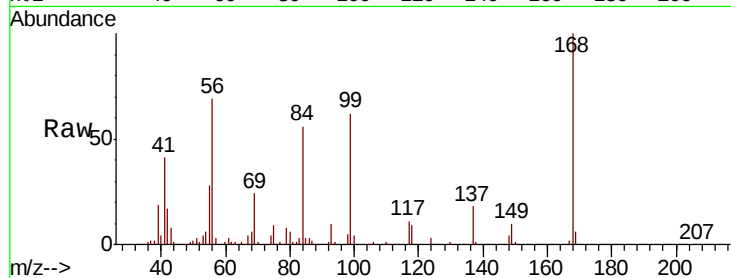
BP-VPB180-GW-803-805MSD

Tot Ion:168 Resp: 115623

Ion Ratio Lower Upper

168 100

99 61.6 51.2 76.8



#2

Dichlorodifluoromethane

Concen: 48.783 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061243.D

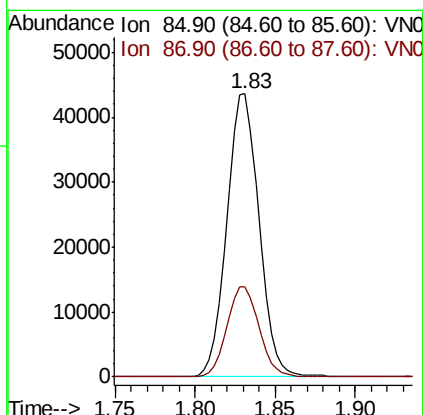
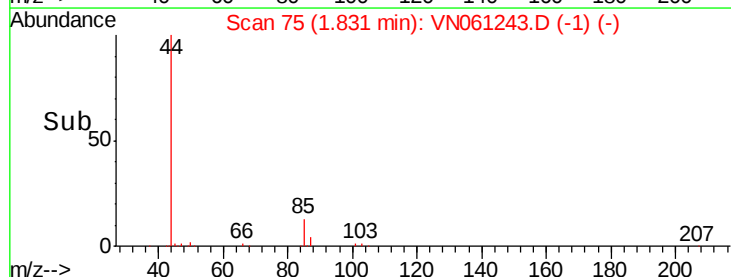
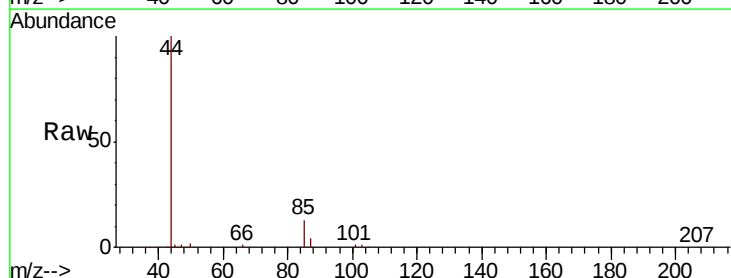
Acq: 1 May 2020 20:09

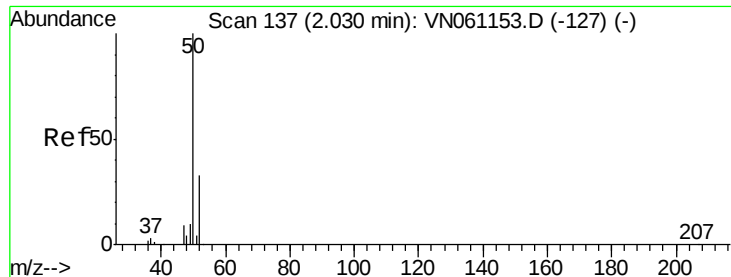
Tgt Ion: 85 Resp: 59812

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.2





#3

Chloromethane

Concen: 60.132 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

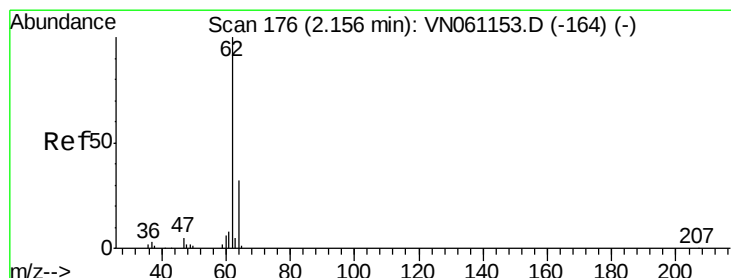
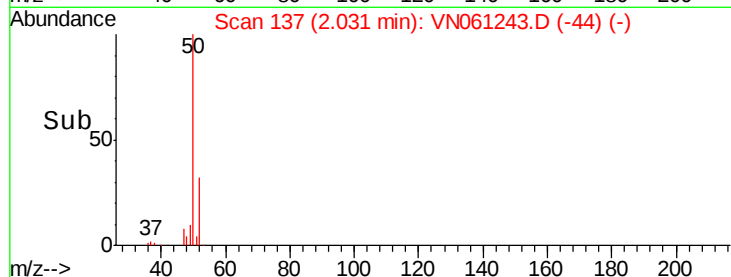
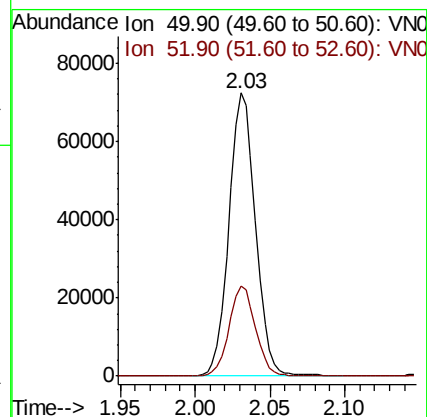
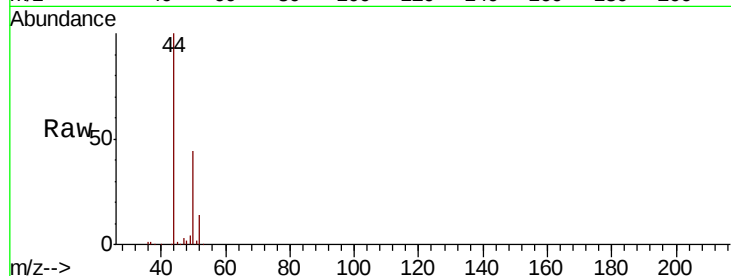
BP-VPB180-GW-803-805MSD

Tot Ion: 50 Resp: 89293

Ion Ratio Lower Upper

50 100

52 31.9 26.0 39.0



#4

Vinyl Chloride

Concen: 53.322 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061243.D

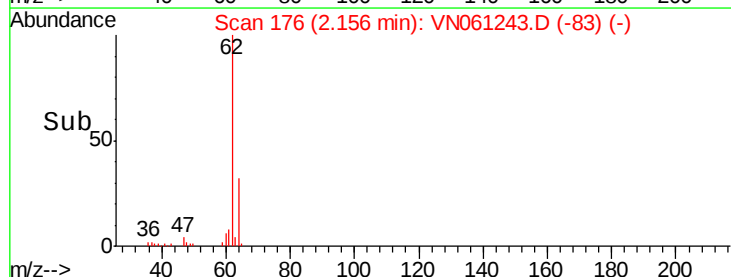
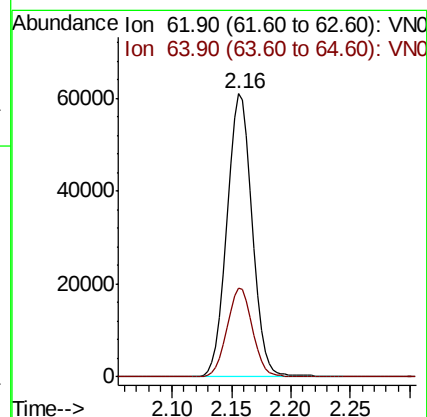
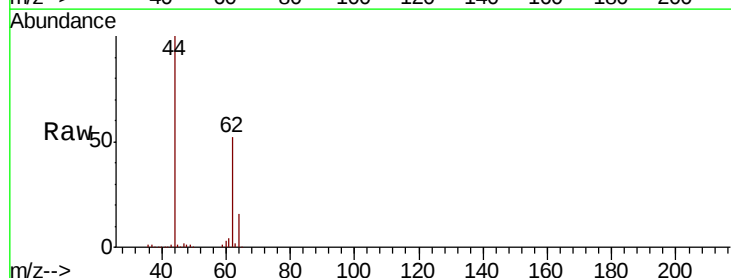
Acq: 1 May 2020 20:09

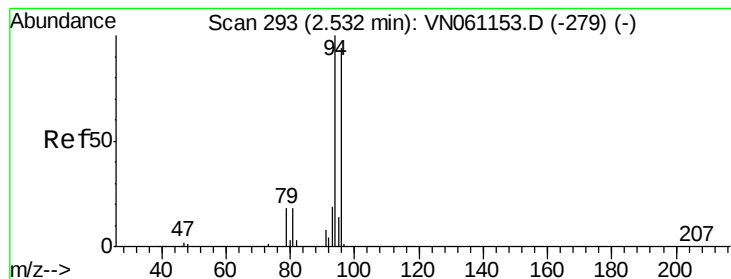
Tgt Ion: 62 Resp: 89934

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 42.932 ug/l

RT: 2.53 min Scan# 293

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

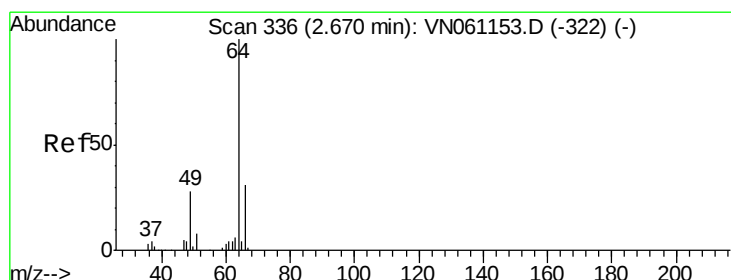
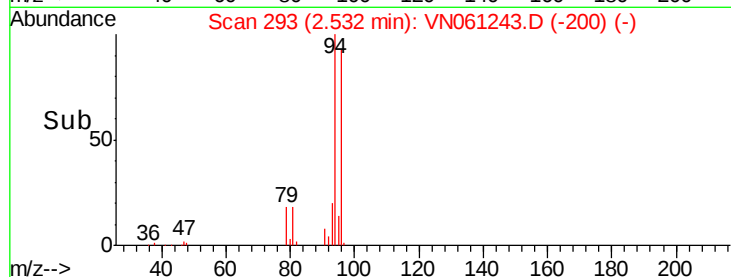
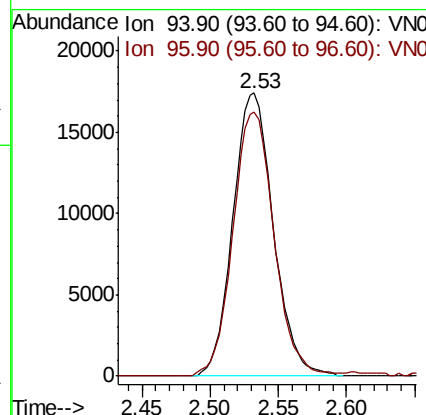
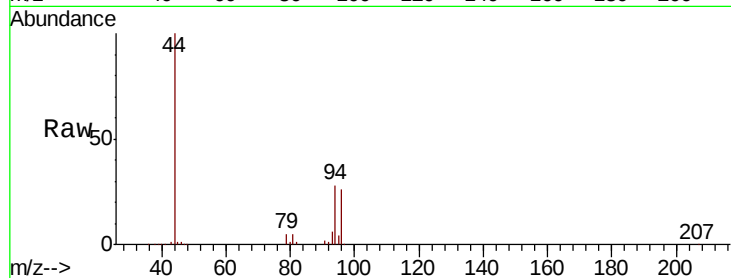
BP-VPB180-GW-803-805MSD

Tot Ion: 94 Resp: 35793

Ion Ratio Lower Upper

94 100

96 93.5 75.1 112.7



#6

Chloroethane

Concen: 48.854 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061243.D

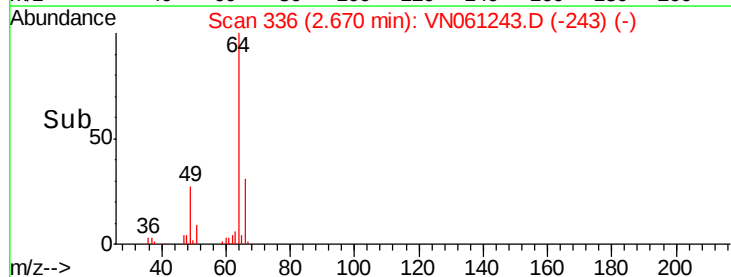
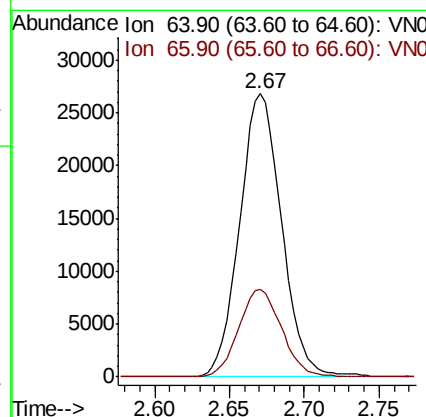
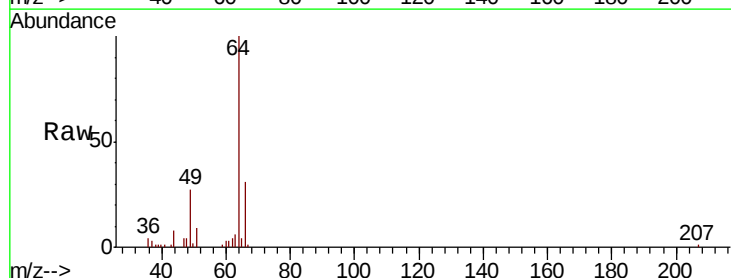
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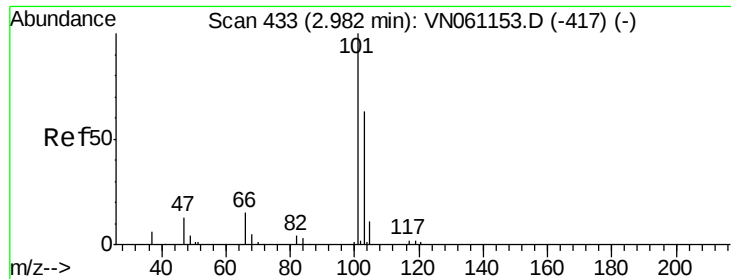
Tgt Ion: 64 Resp: 52227

Ion Ratio Lower Upper

64 100

66 31.1 24.6 36.8



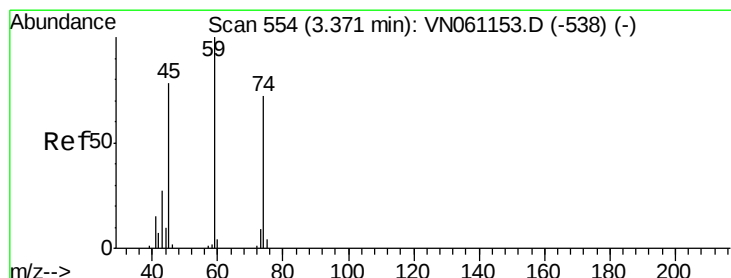
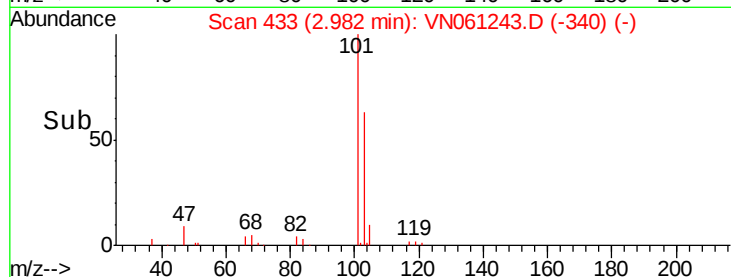
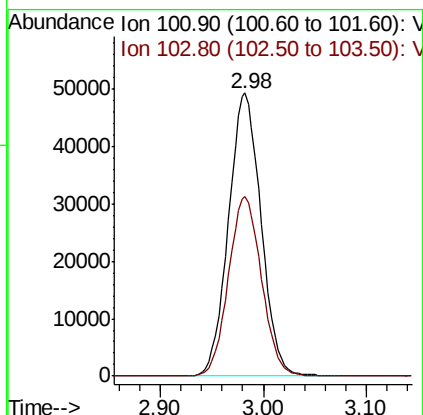
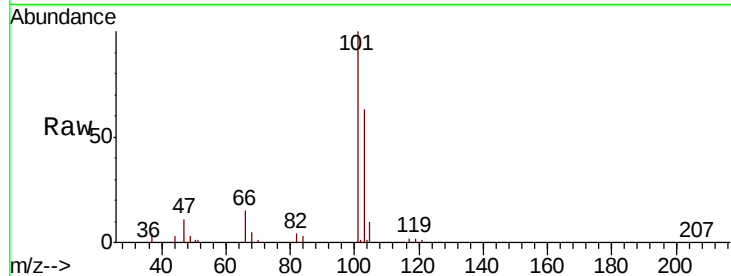


#7

Trichlorofluoromethane
 Concen: 56.989 ug/l
 RT: 2.98 min Scan# 433
 Delta R.T. 0.00 min
 Lab File: VN061243.D
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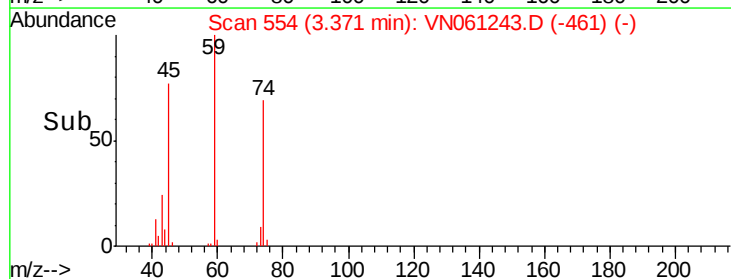
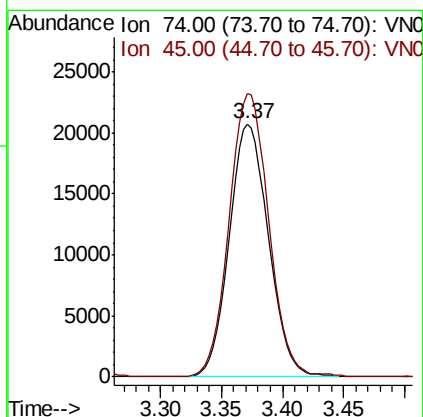
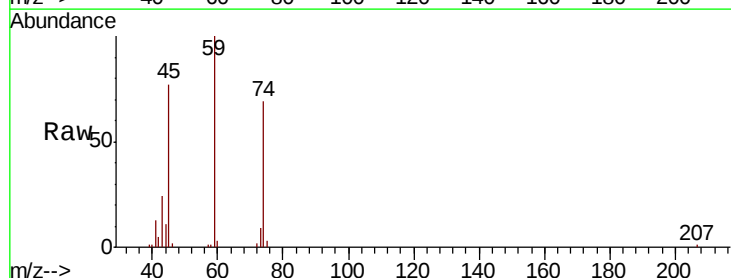
Tot Ion:101 Resp: 108442
 Ion Ratio Lower Upper
 101 100
 103 63.5 50.6 76.0

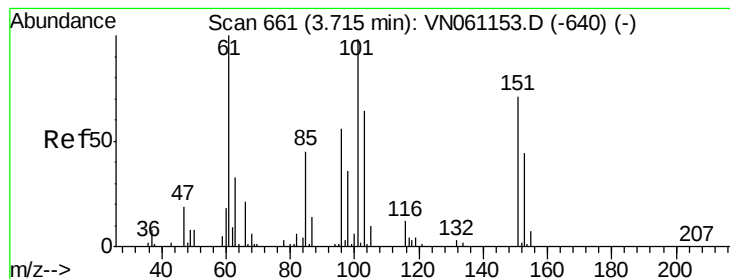


#8

Diethyl Ether
 Concen: 58.349 ug/l
 RT: 3.37 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion: 74 Resp: 46312
 Ion Ratio Lower Upper
 74 100
 45 112.8 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.753 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

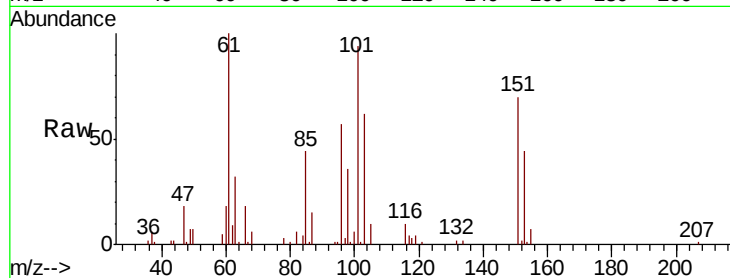
Tot Ion:101 Resp: 62217

Ion Ratio Lower Upper

101 100

85 46.5 37.2 55.8

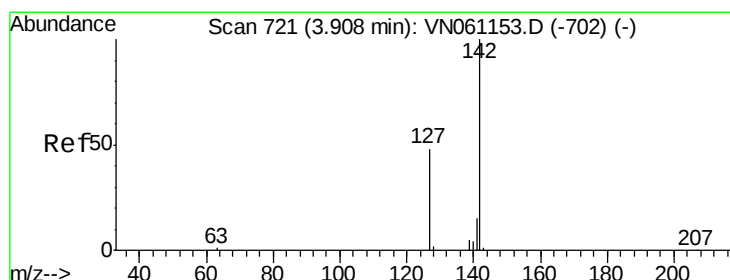
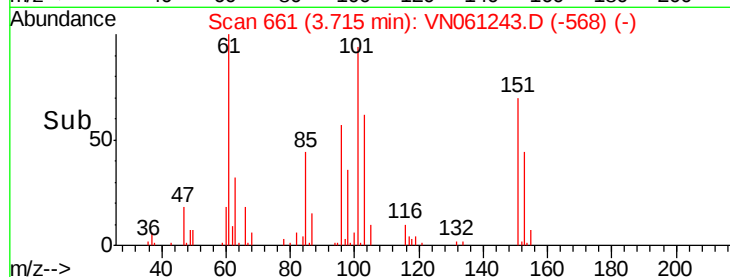
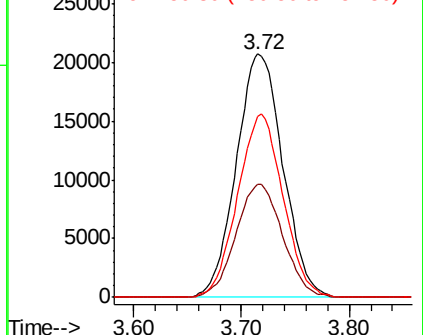
151 73.3 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.747 ug/l

RT: 3.91 min Scan# 721

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

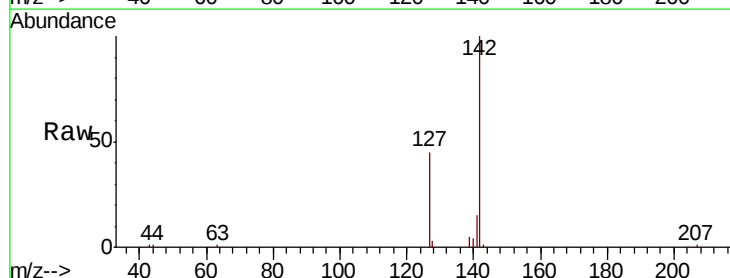
Tgt Ion:142 Resp: 75223

Ion Ratio Lower Upper

142 100

127 45.4 38.0 57.0

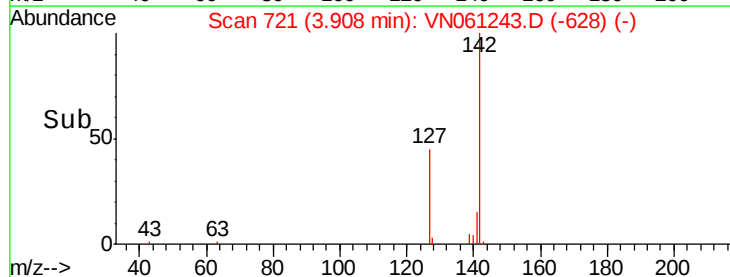
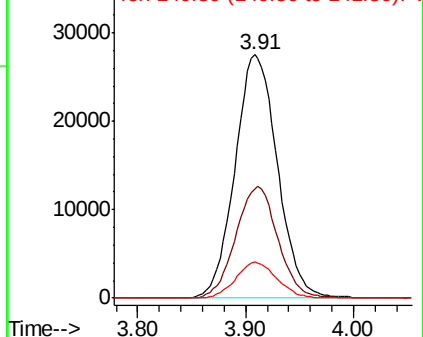
141 14.2 11.7 17.5

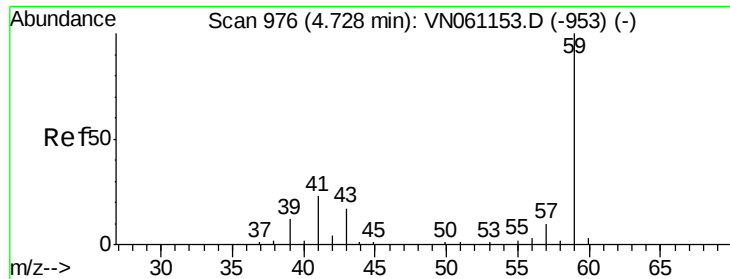


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

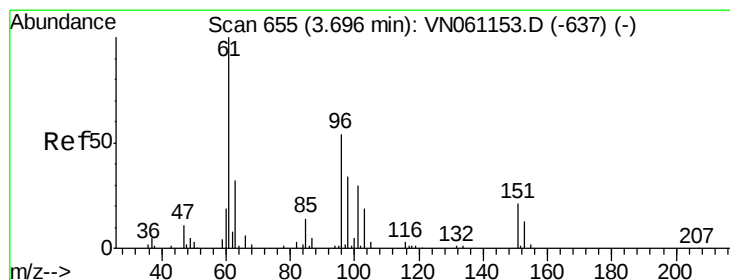
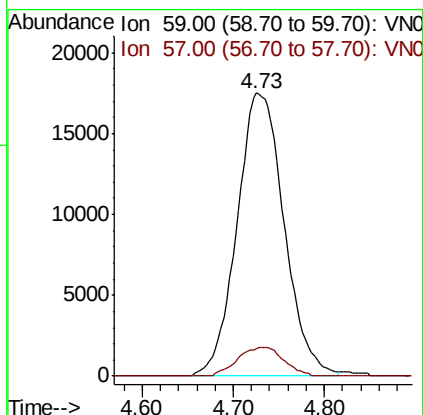
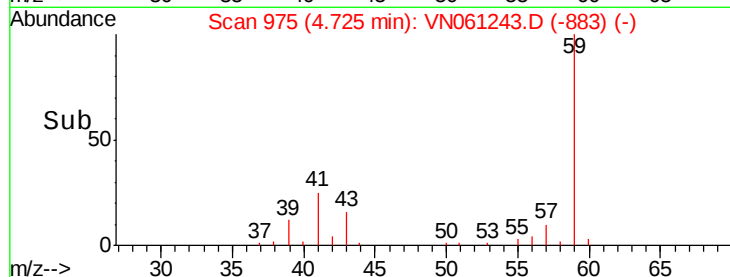
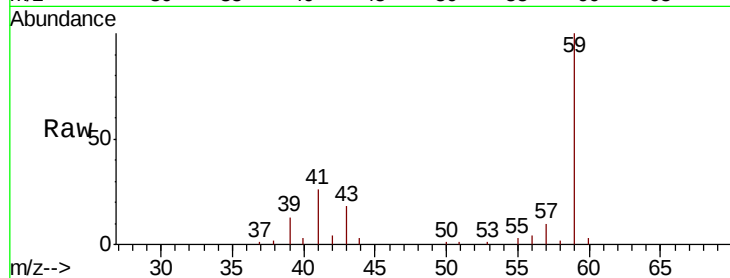




#11
Tert butyl alcohol
Concen: 256.588 ug/l
RT: 4.73 min Scan# 975
Delta R.T. -0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

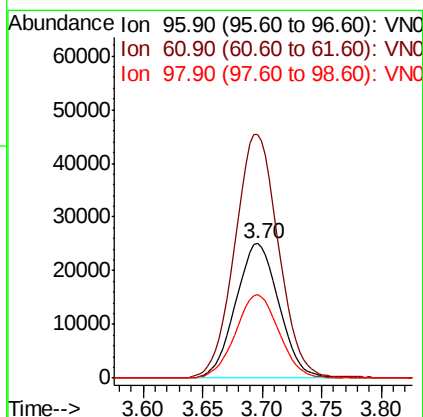
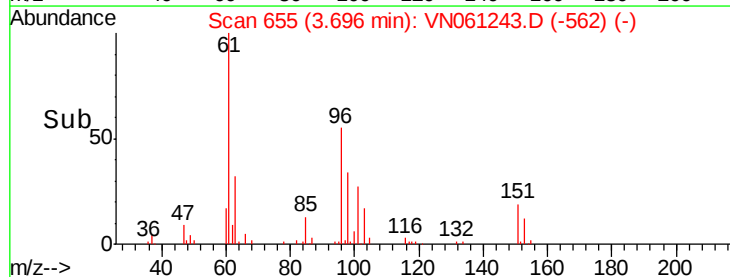
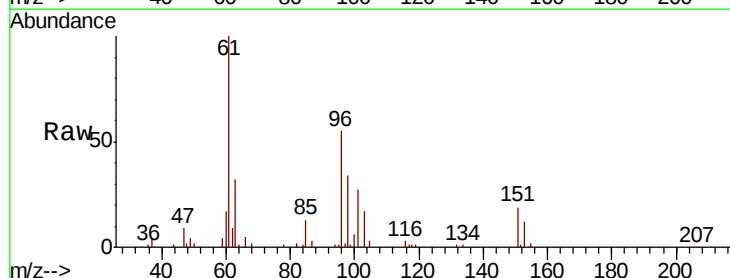
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

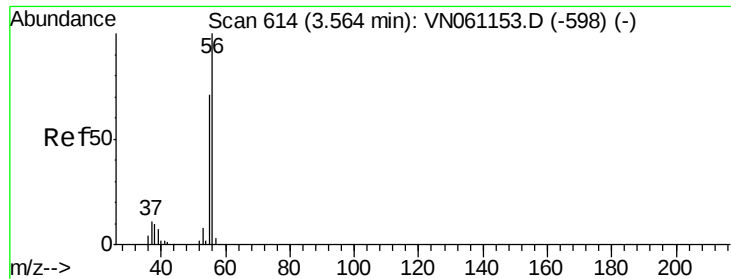
Tot Ion: 59 Resp: 62884
Ion Ratio Lower Upper
59 100
57 9.9 8.3 12.5



#12
1,1-Dichloroethene
Concen: 51.813 ug/l
RT: 3.70 min Scan# 655
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion: 96 Resp: 63208
Ion Ratio Lower Upper
96 100
61 181.0 147.0 220.6
98 62.0 49.8 74.6





#13

Acrolein

Concen: 258.186 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

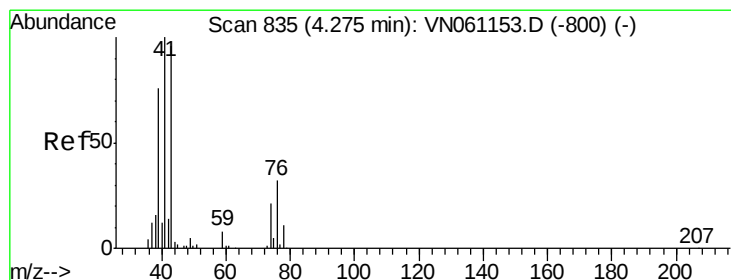
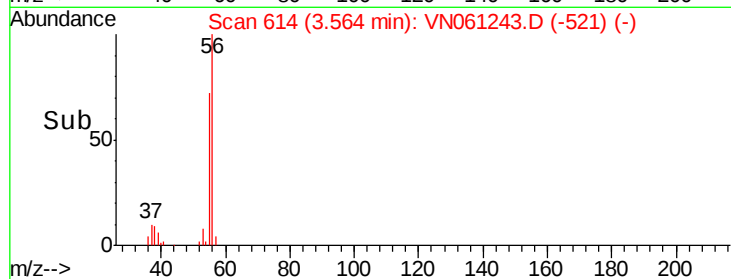
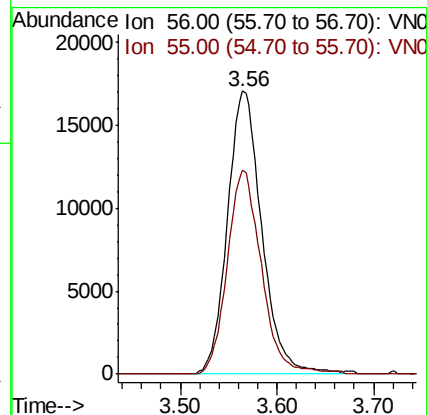
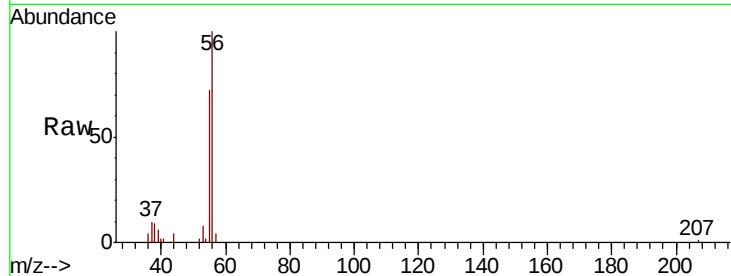
BP-VPB180-GW-803-805MSD

Tot Ion: 56 Resp: 42167

Ion Ratio Lower Upper

56 100

55 71.4 58.5 87.7



#14

Allyl chloride

Concen: 62.146 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

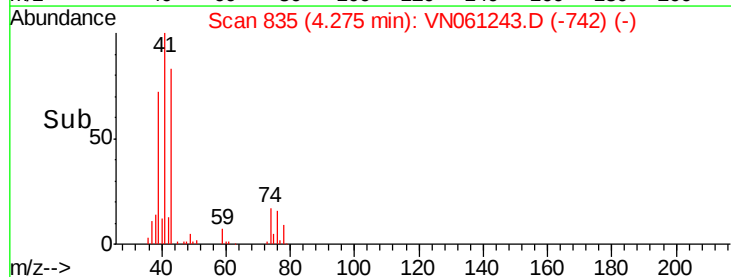
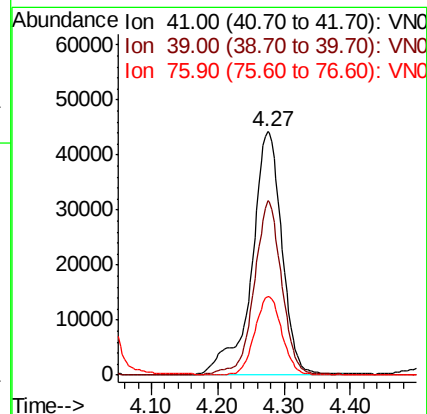
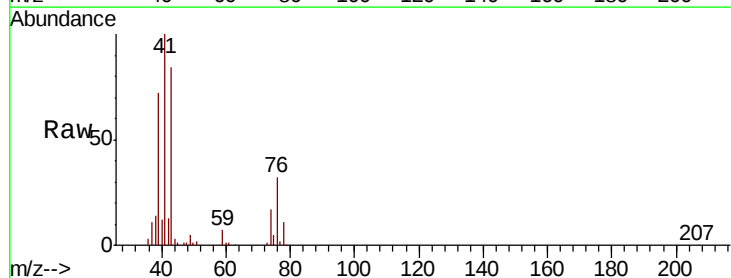
Tgt Ion: 41 Resp: 140570

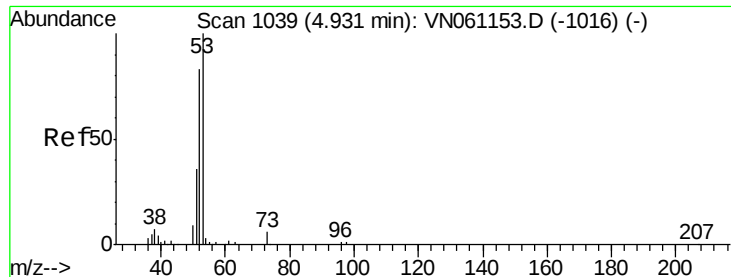
Ion Ratio Lower Upper

41 100

39 64.9 57.1 85.7

76 28.9 24.3 36.5





#15

Acrylonitrile

Concen: 285.046 ug/l

RT: 4.93 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

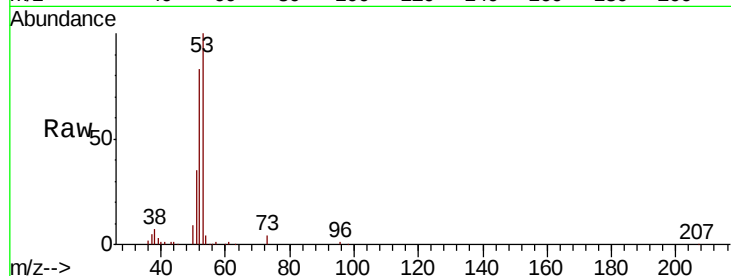
Tot Ion: 53 Resp: 214447

Ion Ratio Lower Upper

53 100

52 83.3 65.4 98.0

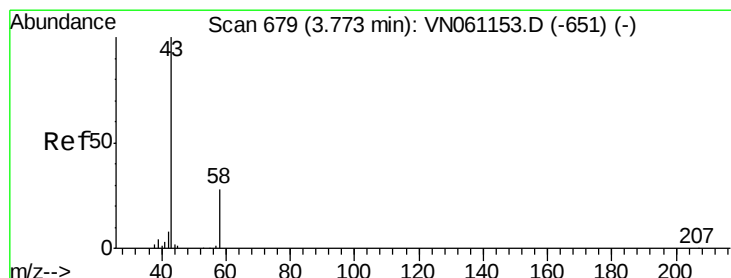
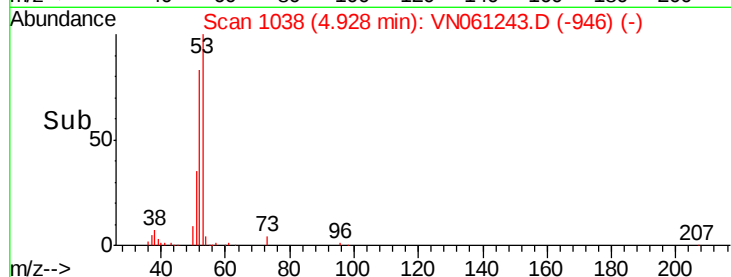
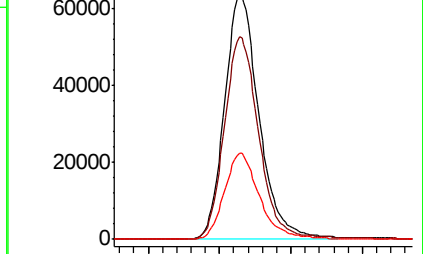
51 35.9 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN061153.D (-1016) (-)

Ion 52.00 (51.70 to 52.70): VN061153.D (-1016) (-)

Ion 51.00 (50.70 to 51.70): VN061153.D (-1016) (-)



#16

Acetone

Concen: 265.854 ug/l

RT: 3.77 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN061243.D

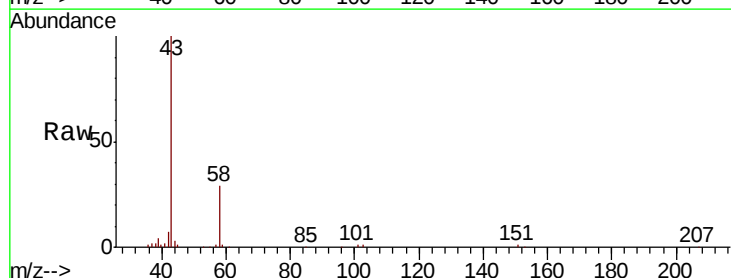
Acq: 1 May 2020 20:09

Tgt Ion: 43 Resp: 187860

Ion Ratio Lower Upper

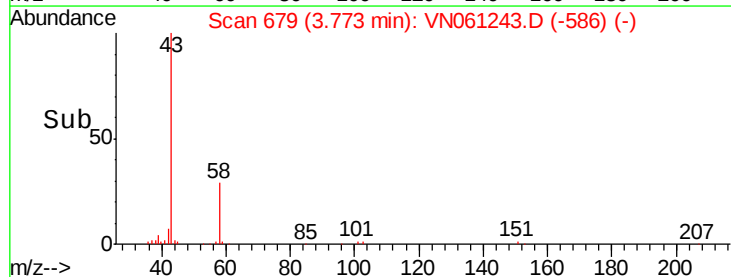
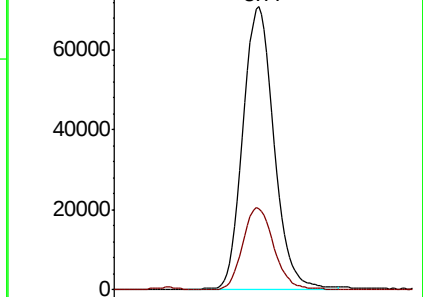
43 100

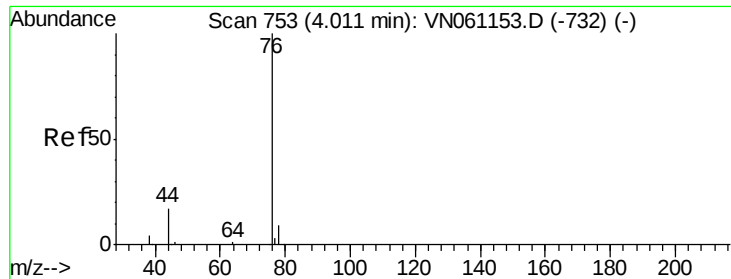
58 28.6 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-651) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-651) (-)

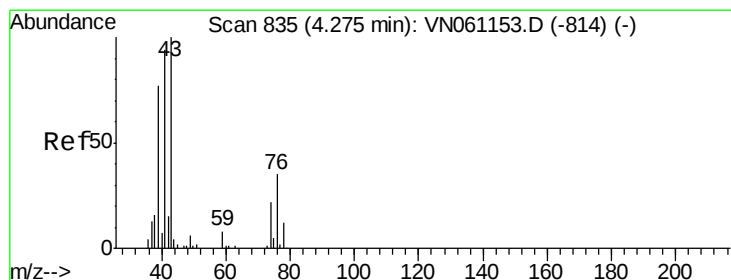
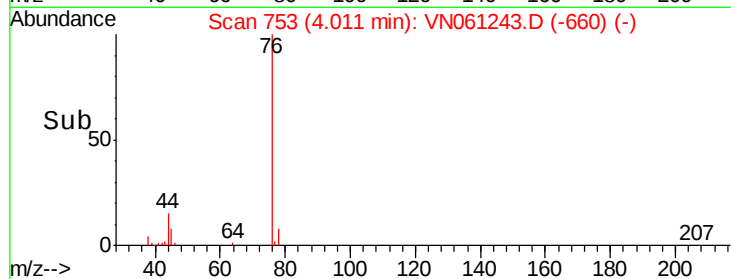
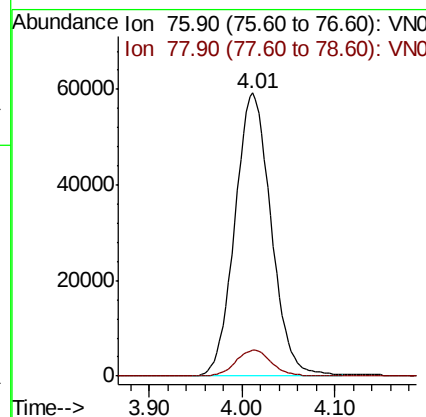
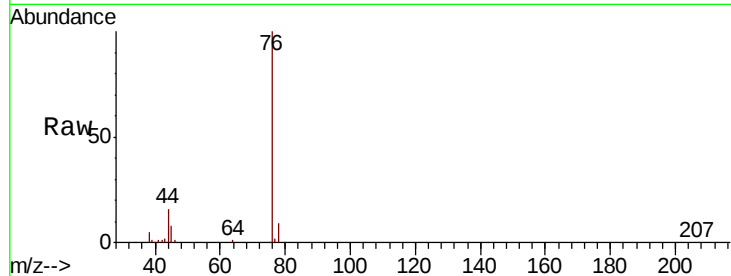




#17
Carbon Disulfide
Concen: 47.654 ug/l
RT: 4.01 min Scan# 753
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

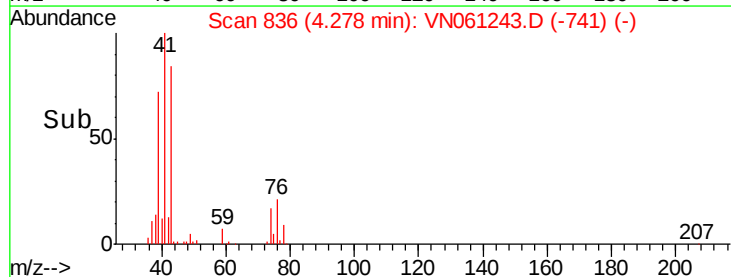
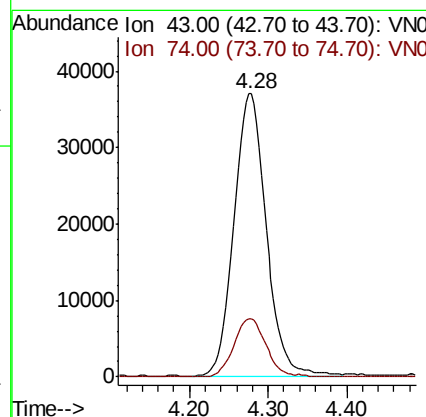
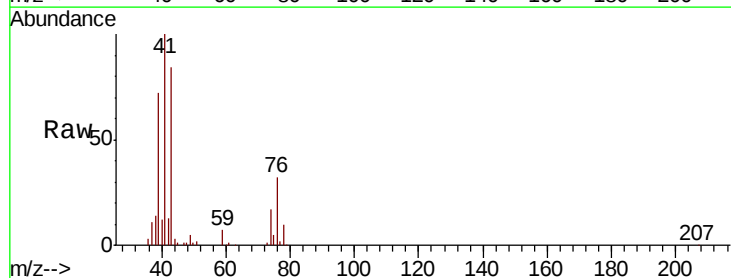
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

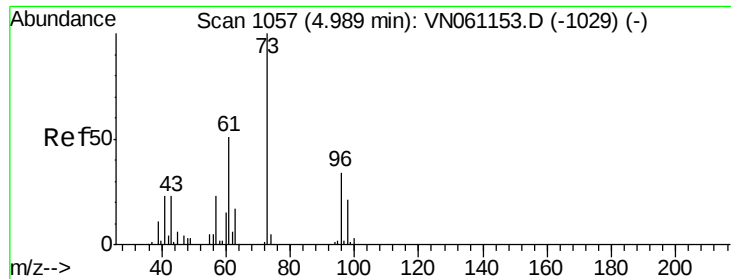
Tot Ion: 76 Resp: 160587
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 46.273 ug/l
RT: 4.28 min Scan# 836
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion: 43 Resp: 106745
Ion Ratio Lower Upper
43 100
74 20.1 17.0 25.4

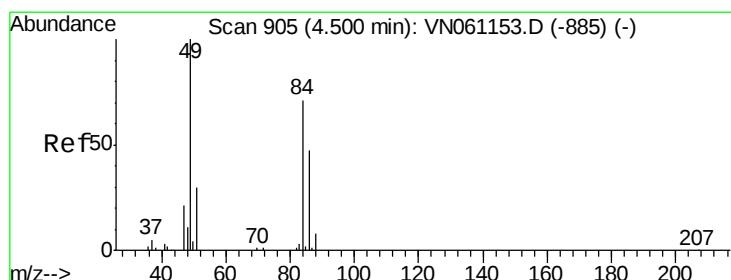
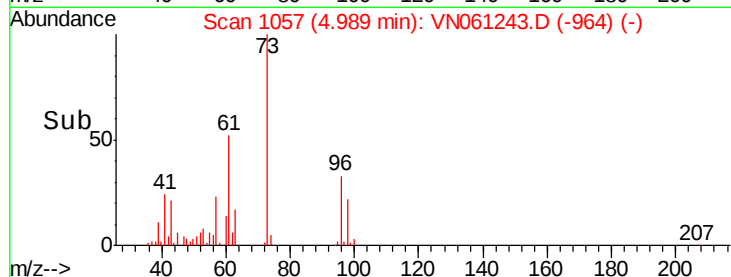
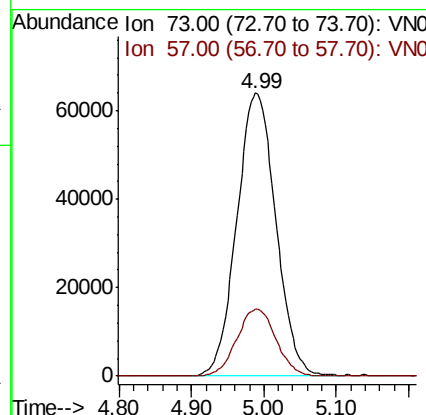
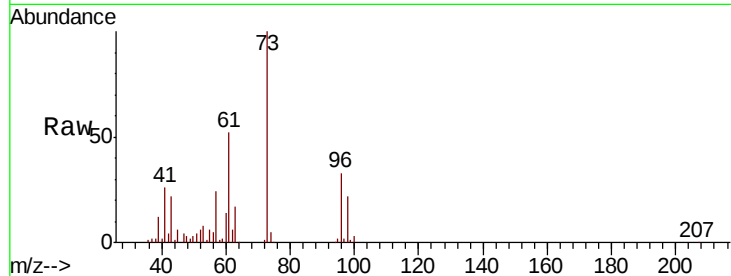




#19
Methvl tert-butvl Ether
Concen: 51.439 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

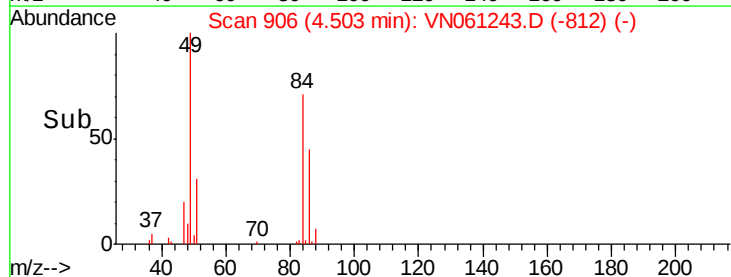
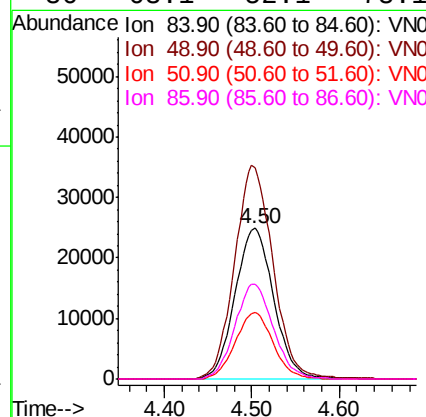
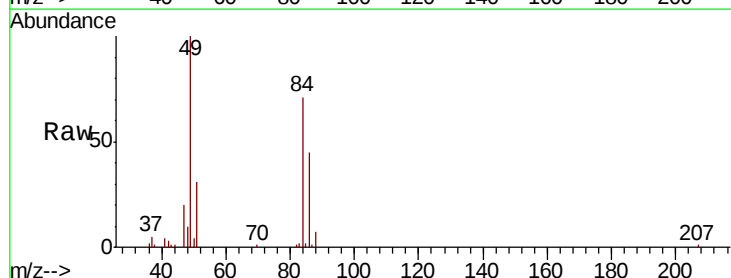
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

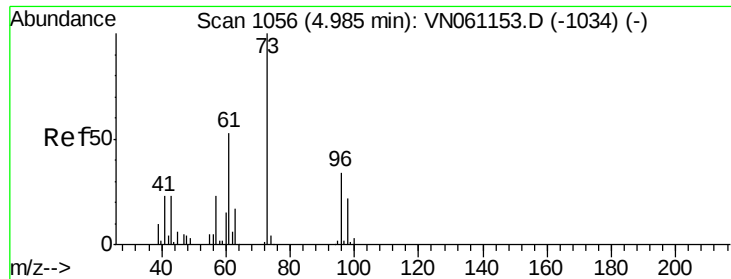
Tot Ion: 73 Resp: 239780
Ion Ratio Lower Upper
73 100
57 23.6 18.3 27.5



#20
Methylene Chloride
Concen: 53.658 ug/l
RT: 4.50 min Scan# 906
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion: 84 Resp: 76547
Ion Ratio Lower Upper
84 100
49 140.2 112.0 168.0
51 43.9 33.6 50.4
86 63.1 52.1 78.1

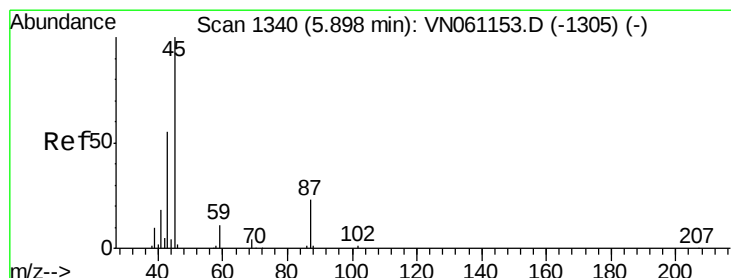
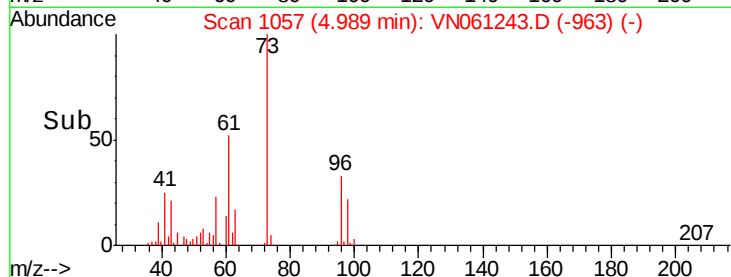
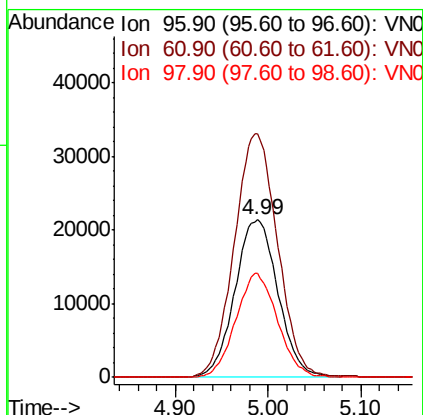
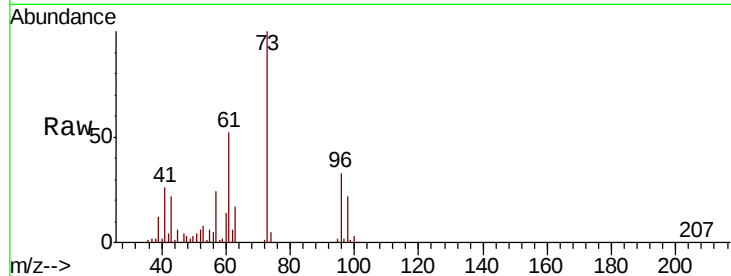




#21
trans-1,2-Dichloroethene
Concen: 51.936 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

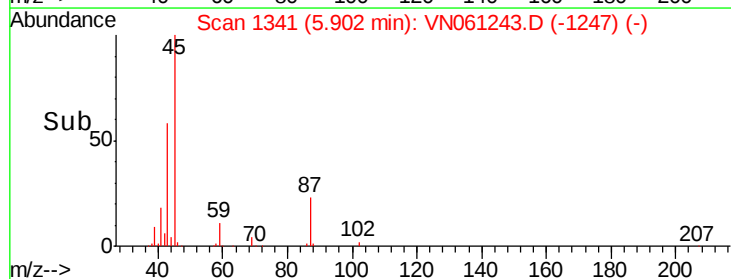
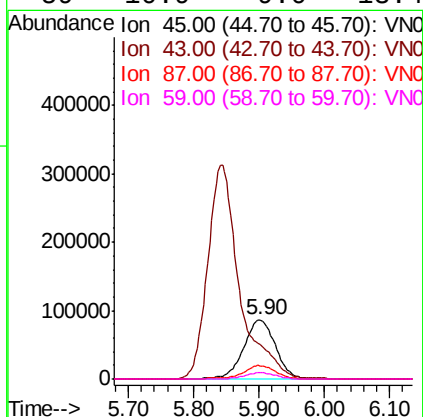
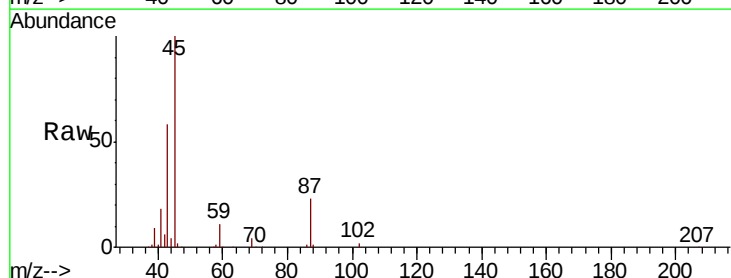
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

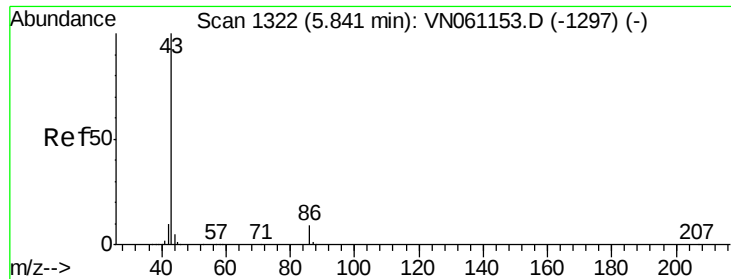
Tot Ion: 96 Resp: 68991
Ion Ratio Lower Upper
96 100
61 154.4 123.0 184.4
98 65.8 50.1 75.1



#22
Diisopropyl ether
Concen: 55.867 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion: 45 Resp: 293040
Ion Ratio Lower Upper
45 100
43 56.8 47.9 71.9
87 22.6 19.2 28.8
59 10.9 9.0 13.4





#23

Vinyl Acetate

Concen: 250.260 ug/l

RT: 5.84 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

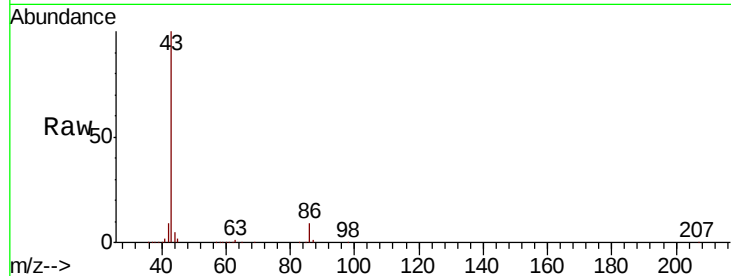
BP-VPB180-GW-803-805MSD

Tot Ion: 43 Resp: 1056945

Ion Ratio Lower Upper

43 100

86 8.6 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1297) (-)

Ion 86.00 (85.70 to 86.70): VN061153.D (-1297) (-)

5.84

300000

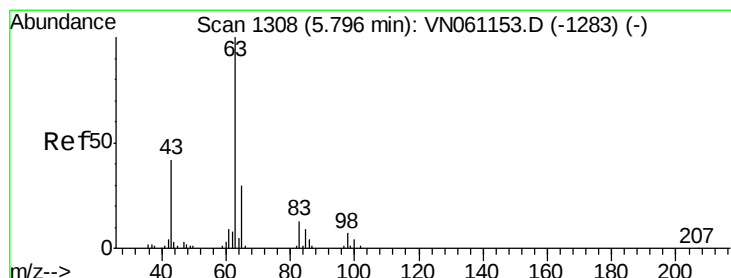
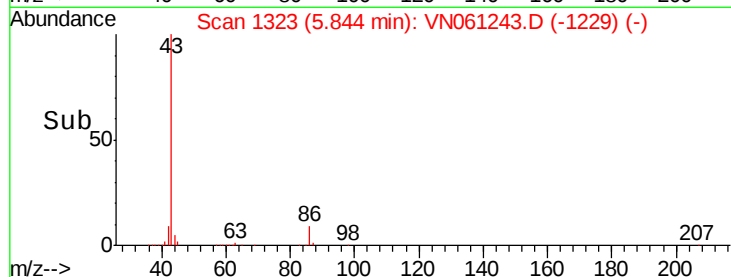
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 53.109 ug/l

RT: 5.80 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

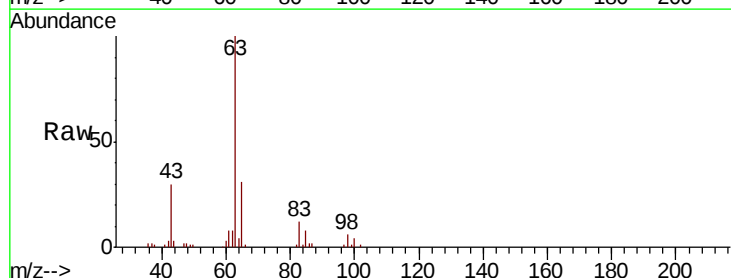
Tgt Ion: 63 Resp: 145547

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 4.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN061153.D (-1283) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-1283) (-)

Ion 99.90 (99.60 to 100.60): VN061153.D (-1283) (-)

5.80

60000

50000

40000

30000

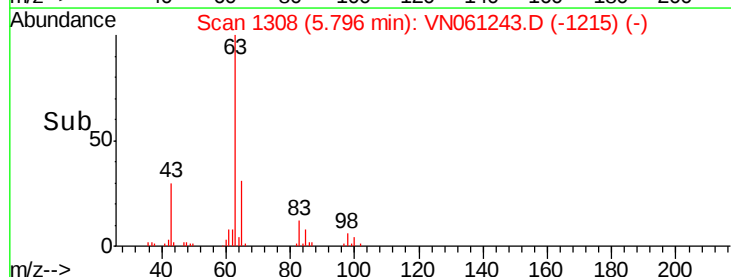
20000

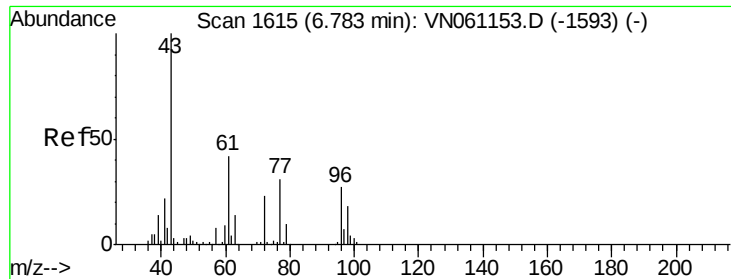
10000

0

5.70 5.80 5.90

Time-->

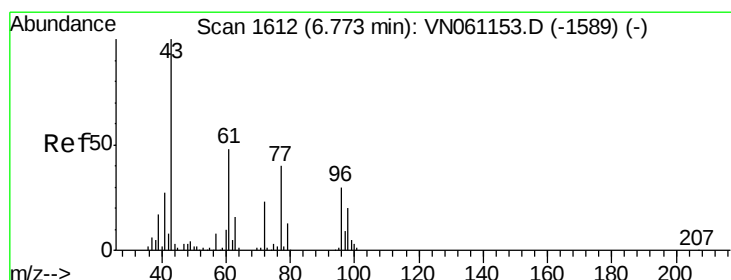
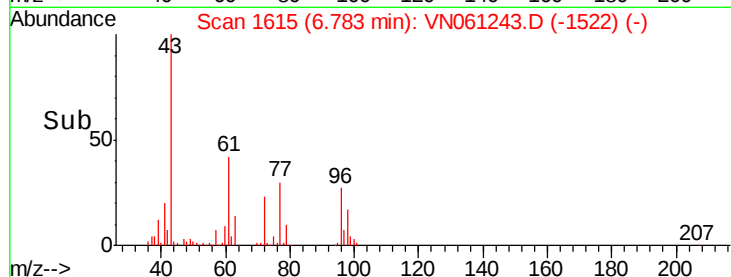
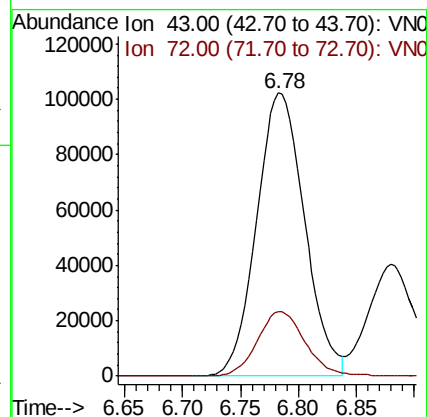
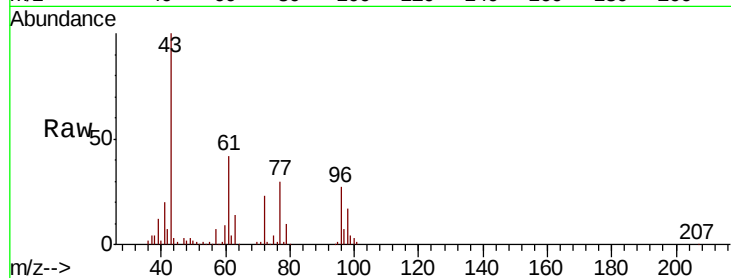




#25
2-Butanone
Concen: 272.001 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

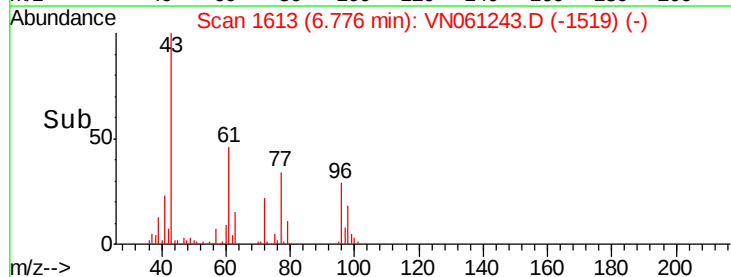
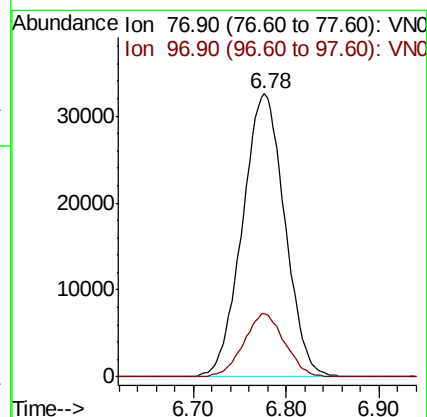
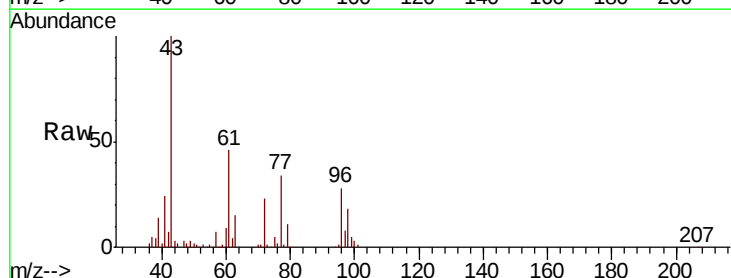
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

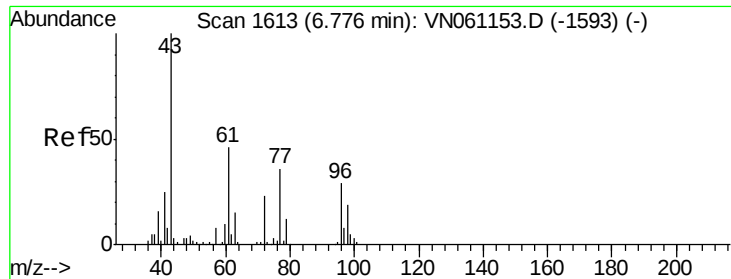
Tot Ion: 43 Resp: 294463
Ion Ratio Lower Upper
43 100
72 22.9 18.2 27.4



#26
2,2-Dichloropropane
Concen: 44.840 ug/l
RT: 6.78 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion: 77 Resp: 103506
Ion Ratio Lower Upper
77 100
97 21.5 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 51.723 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

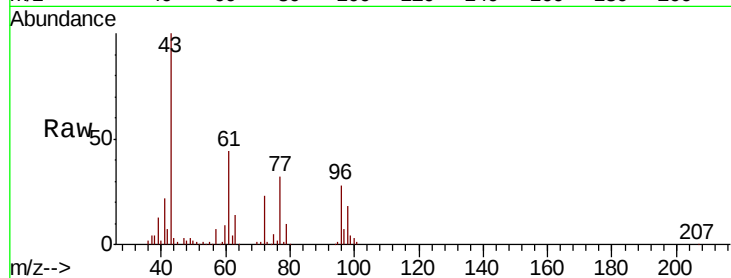
Tot Ion: 96 Resp: 80629

Ion Ratio Lower Upper

96 100

61 160.2 0.0 322.0

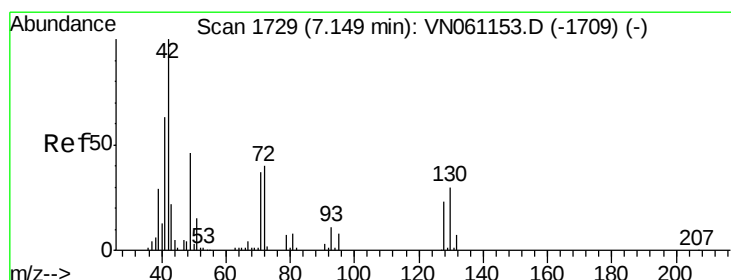
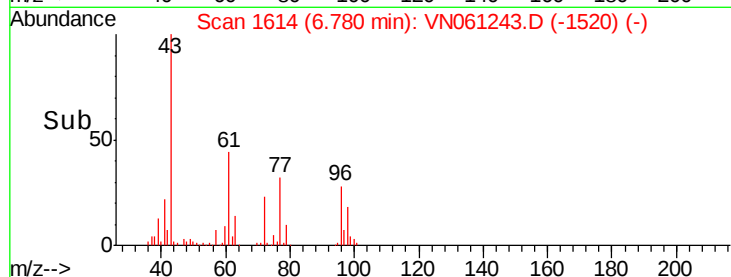
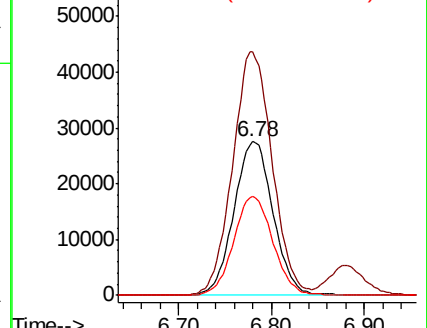
98 64.4 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN061153.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN061153.D (-1593) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-1593) (-)



#28

Bromochloromethane

Concen: 54.738 ug/l

RT: 7.15 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

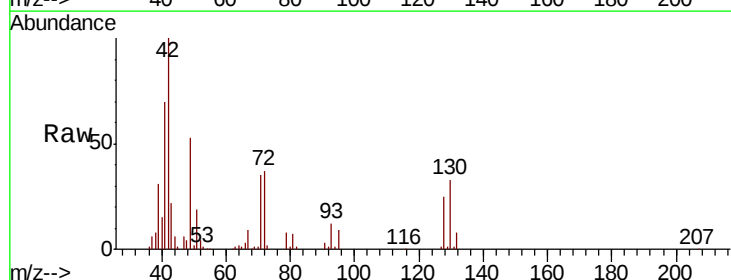
Tgt Ion: 49 Resp: 71103

Ion Ratio Lower Upper

49 100

129 1.4 0.0 3.0

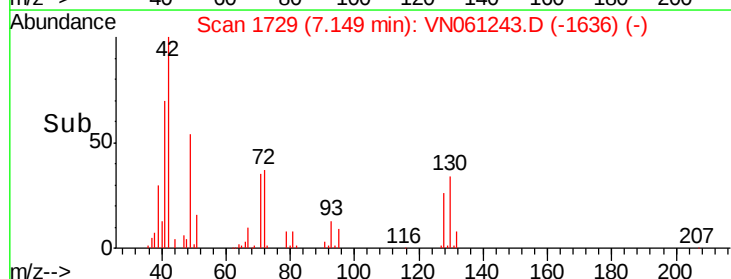
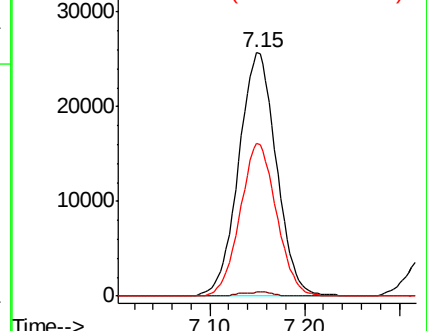
130 60.5 51.4 77.2

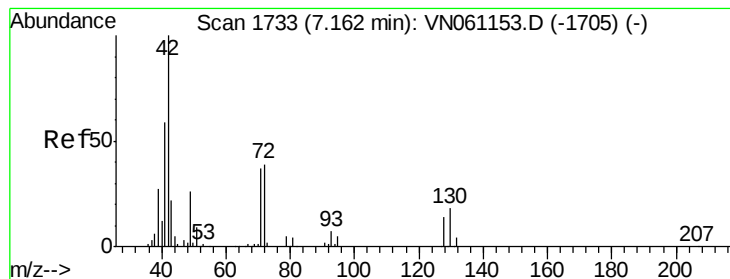


Abundance Ion 48.90 (48.60 to 49.60): VN061153.D (-1709) (-)

Ion 128.80 (128.50 to 129.50): VN061153.D (-1709) (-)

Ion 129.80 (129.50 to 130.50): VN061153.D (-1709) (-)





#29

Tetrahydrofuran

Concen: 277.267 ug/l

RT: 7.17 min Scan# 1734

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

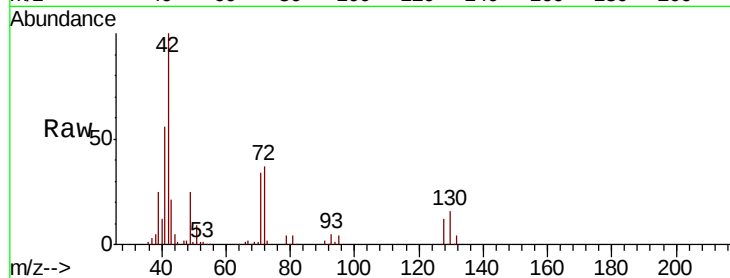
Tot Ion: 42 Resp: 202197

Ion Ratio Lower Upper

42 100

72 37.2 31.4 47.0

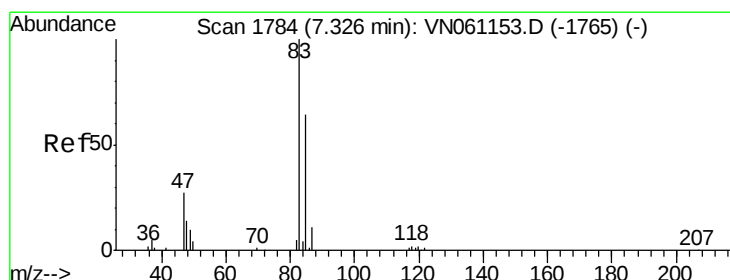
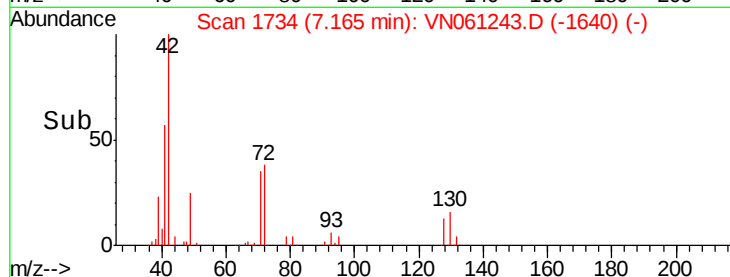
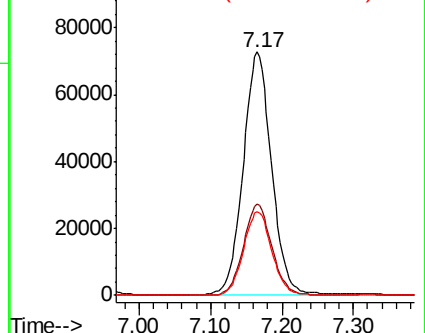
71 34.1 29.5 44.3



Abundance Ion 42.00 (41.70 to 42.70): VN061153.D (-1705) (-)

Ion 72.00 (71.70 to 72.70): VN061153.D (-1705) (-)

Ion 71.00 (70.70 to 71.70): VN061153.D (-1705) (-)



#30

Chloroform

Concen: 49.758 ug/l

RT: 7.33 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VN061243.D

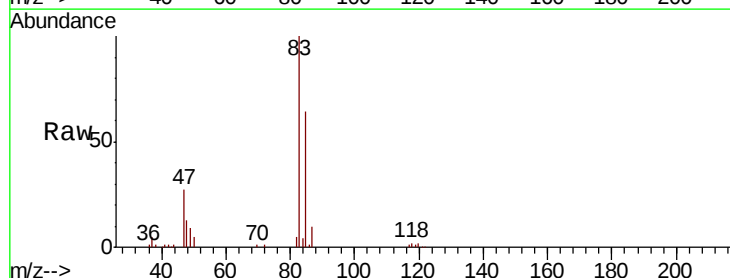
Acq: 1 May 2020 20:09

Tgt Ion: 83 Resp: 138190

Ion Ratio Lower Upper

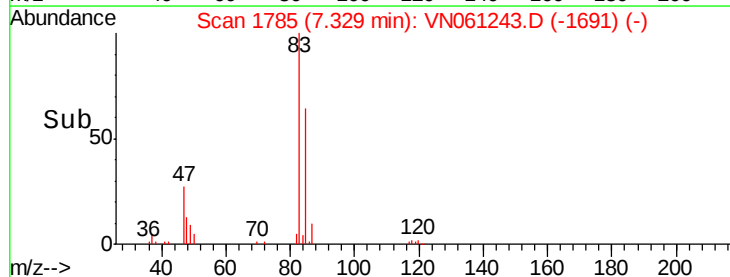
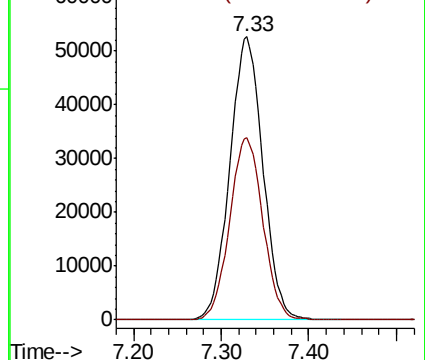
83 100

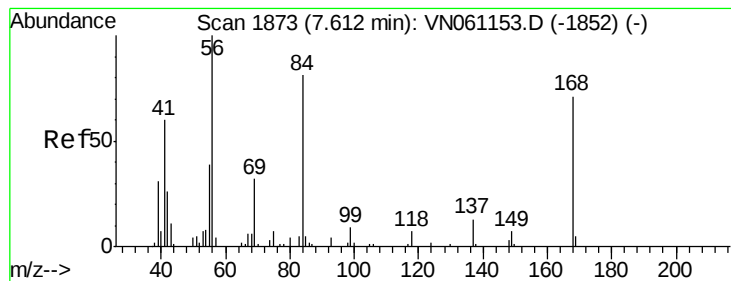
85 64.3 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VN061153.D (-1765) (-)

Ion 84.90 (84.60 to 85.60): VN061153.D (-1765) (-)





#31

Cyclohexane

Concen: 48.091 ug/l

RT: 7.61 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

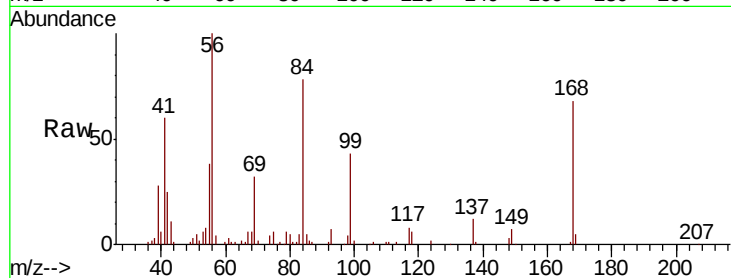
Tot Ion: 56 Resp: 127994

Ion Ratio Lower Upper

56 100

69 31.5 25.7 38.5

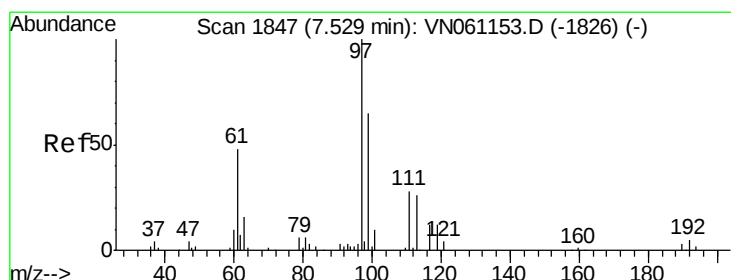
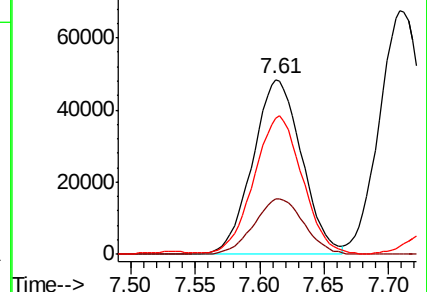
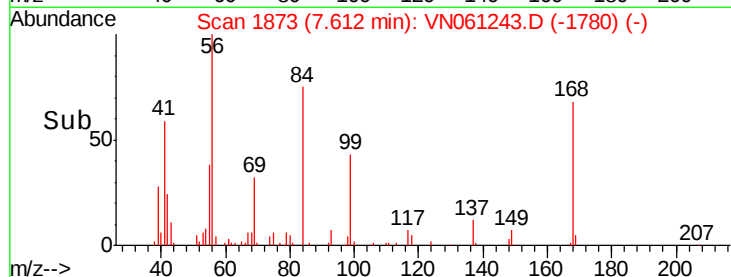
84 77.0 64.6 97.0



Abundance Ion 56.00 (55.70 to 56.70): VN061243.D (-1780) (-)

Ion 69.00 (68.70 to 69.70): VN061243.D (-1780) (-)

Ion 84.00 (83.70 to 84.70): VN061243.D (-1780) (-)



#32

1,1,1-Trichloroethane

Concen: 48.646 ug/l

RT: 7.53 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

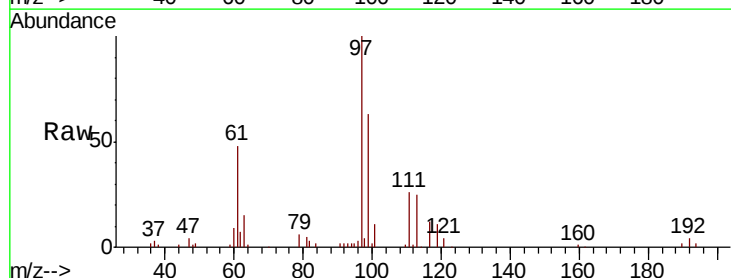
Tgt Ion: 97 Resp: 117645

Ion Ratio Lower Upper

97 100

99 63.1 51.3 76.9

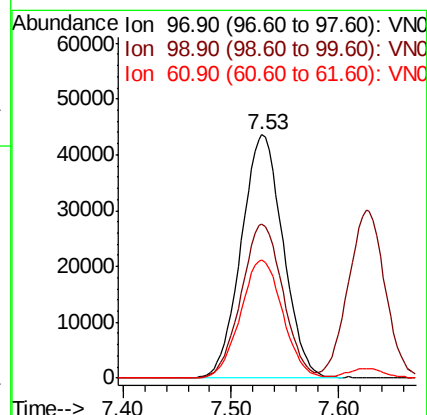
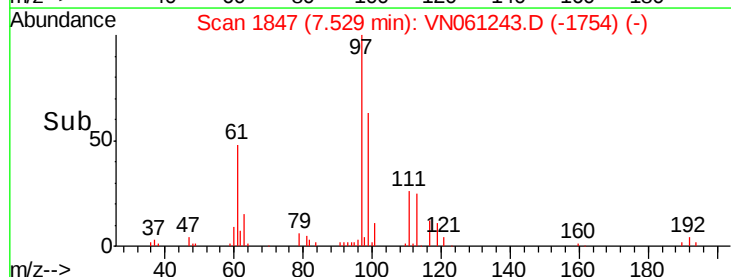
61 48.8 38.6 57.8



Abundance Ion 96.90 (96.60 to 97.60): VN061243.D (-1754) (-)

Ion 98.90 (98.60 to 99.60): VN061243.D (-1754) (-)

Ion 60.90 (60.60 to 61.60): VN061243.D (-1754) (-)

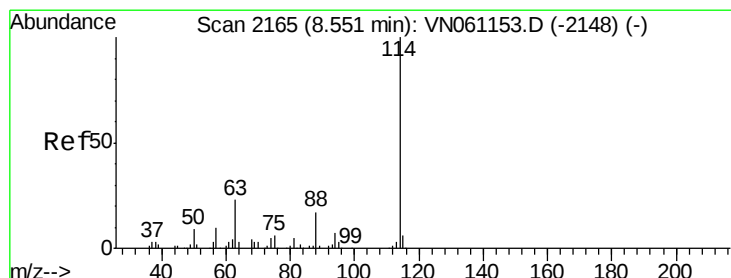
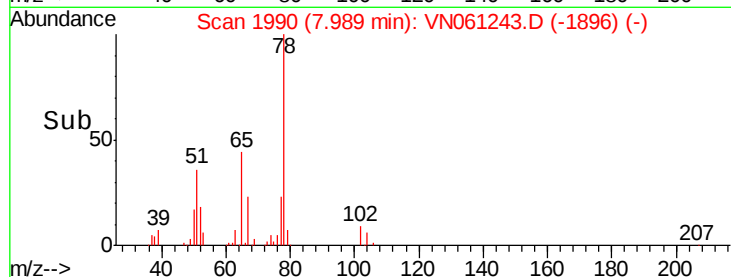
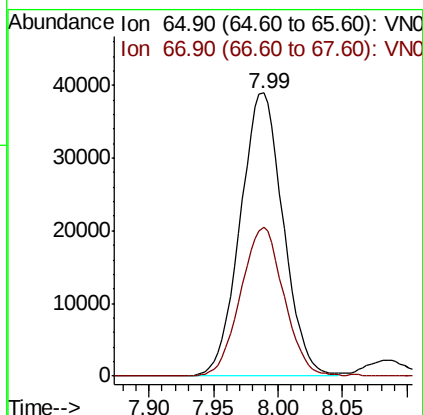
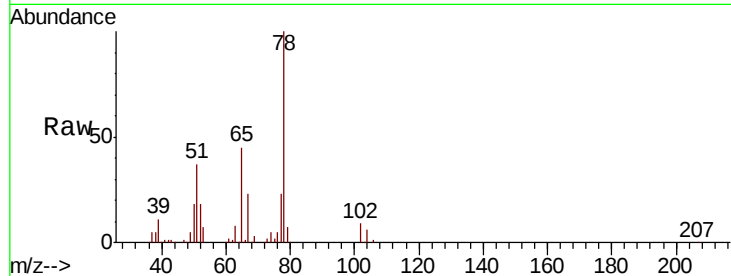




#33
 1,2-Dichloroethane-d4
 Concen: 49.455 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

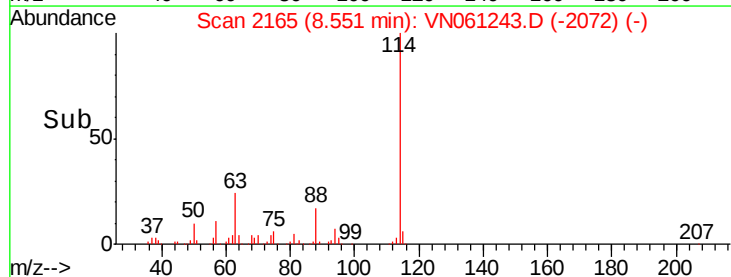
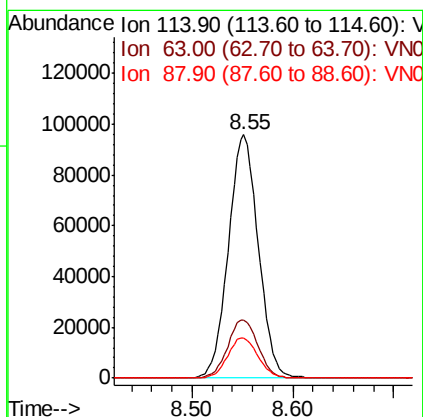
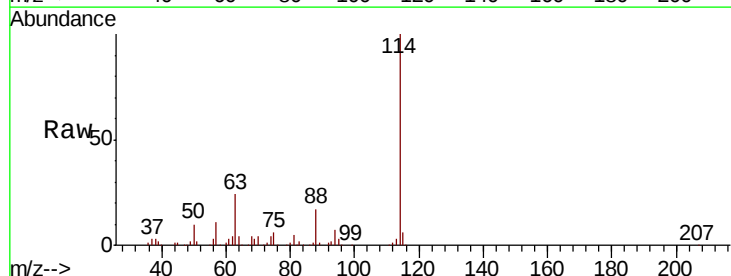
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

Tot Ion: 65 Resp: 90479
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion: 114 Resp: 197993
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 46.6
 88 16.5 0.0 33.4

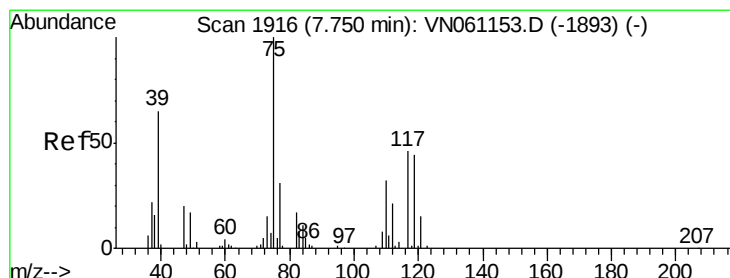
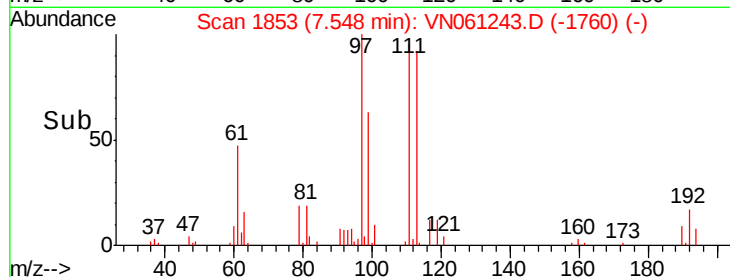
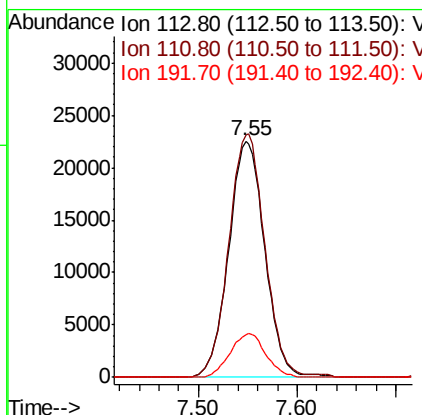
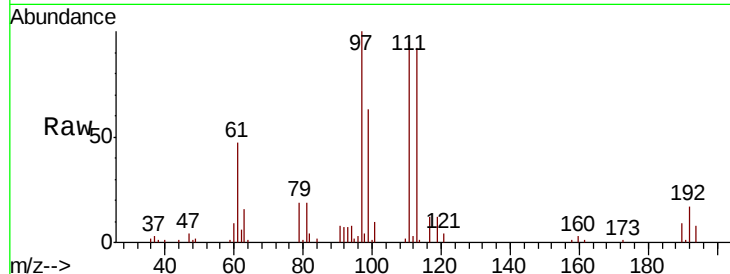




#35
 Dibromofluoromethane
 Concen: 48.992 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

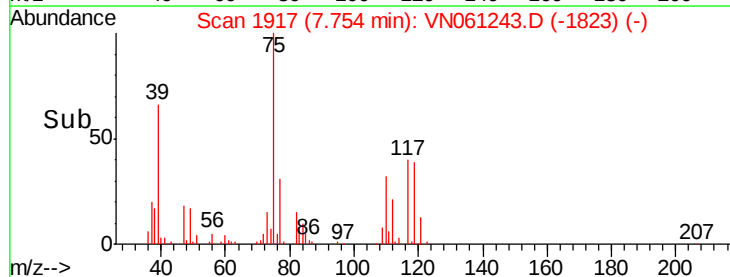
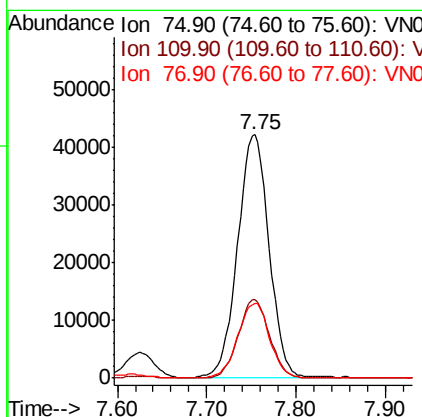
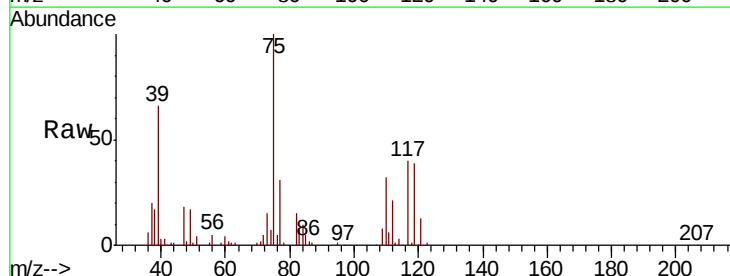
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

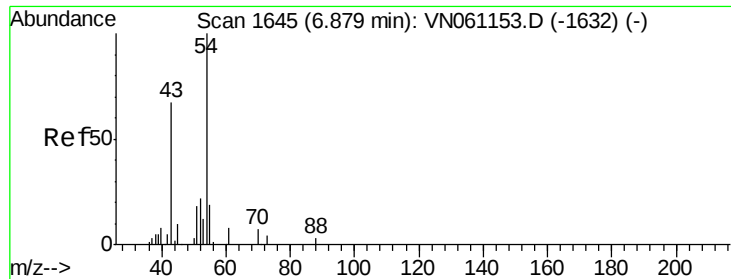
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.9	124.3
192	18.2	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 52.111 ug/l
 RT: 7.75 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.7	16.0	48.0
77	31.0	24.6	37.0

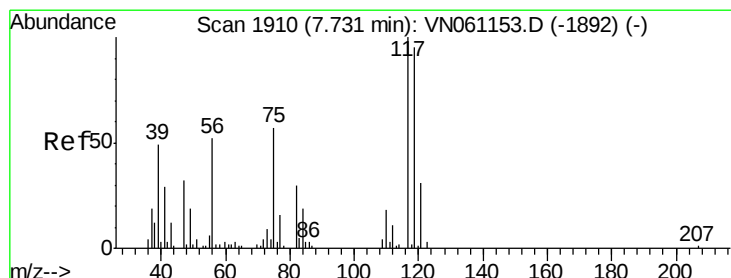
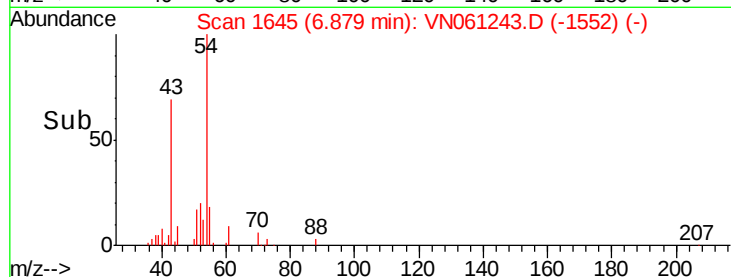
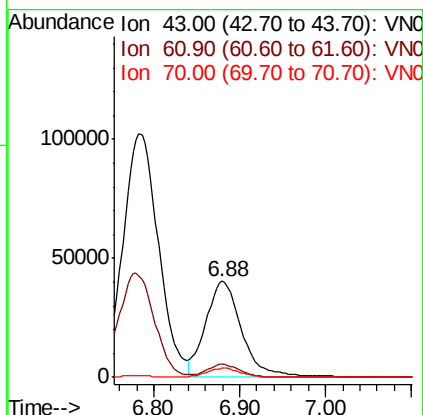
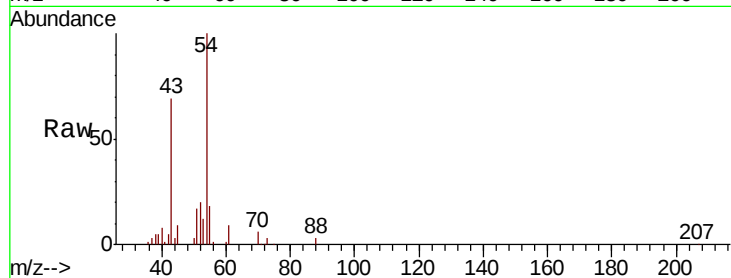




#37
Ethyl Acetate
Concen: 49.964 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

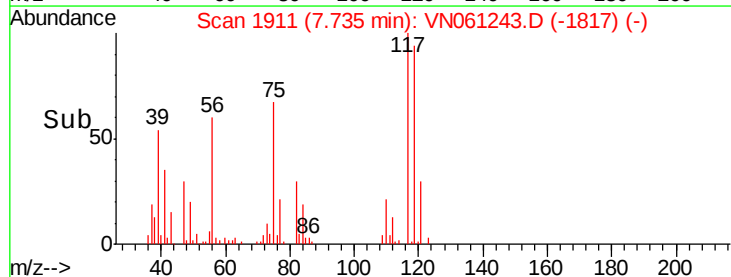
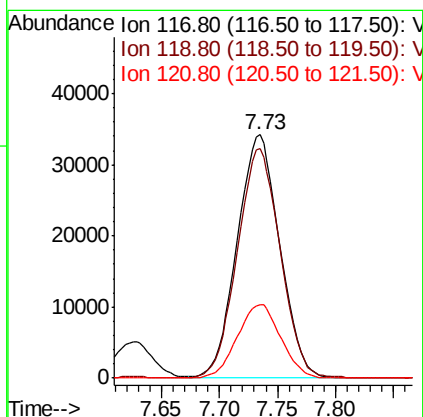
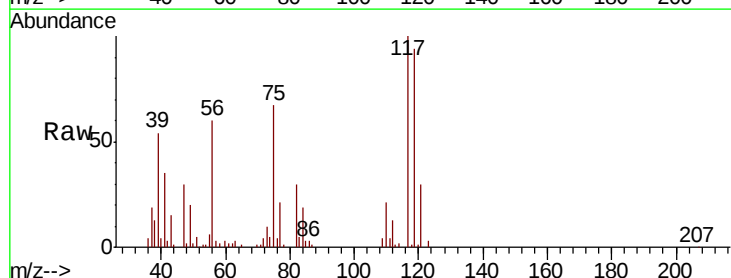
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

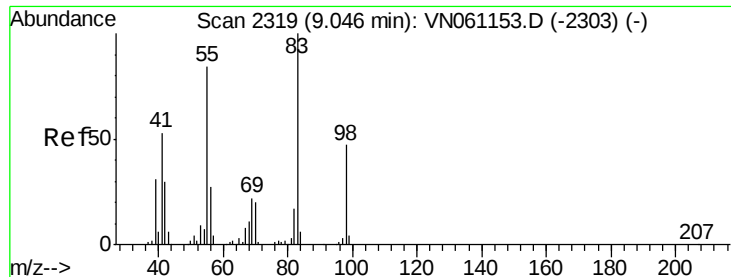
Tot Ion: 43 Resp: 116094
Ion Ratio Lower Upper
43 100
61 12.8 10.2 15.2
70 9.0 7.2 10.8



#38
Carbon Tetrachloride
Concen: 48.482 ug/l
RT: 7.73 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion: 117 Resp: 87541
Ion Ratio Lower Upper
117 100
119 94.3 75.8 113.6
121 30.2 24.7 37.1

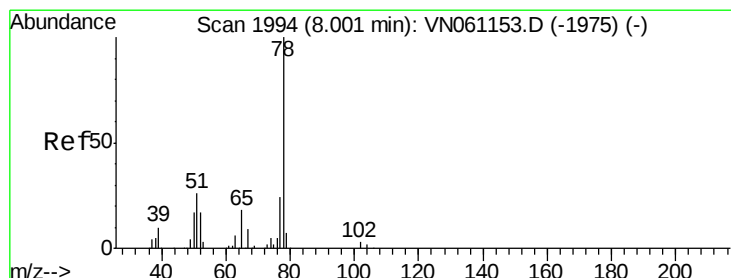
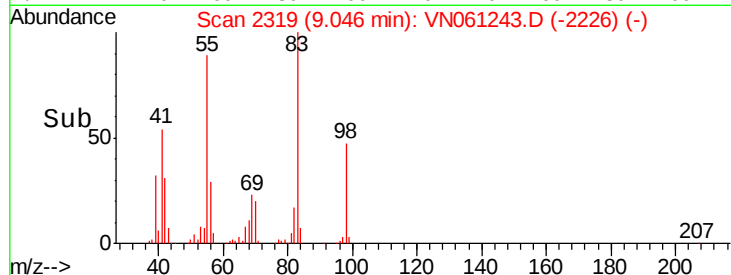
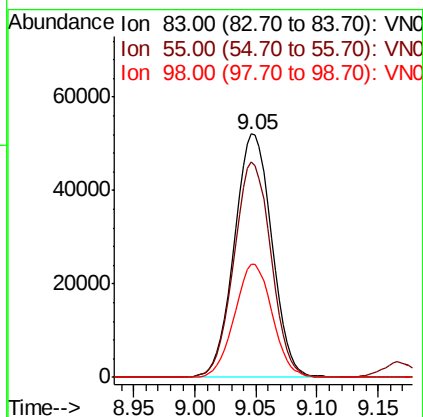
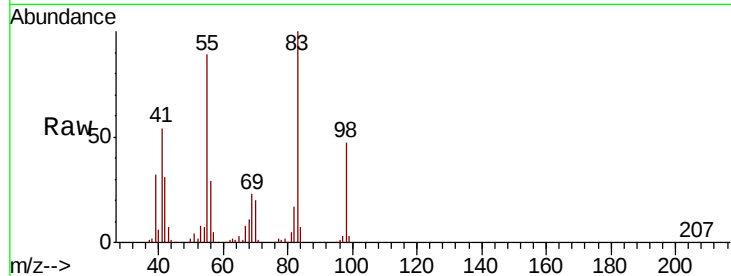




#39
Methvlcvclohexane
Concen: 50.038 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

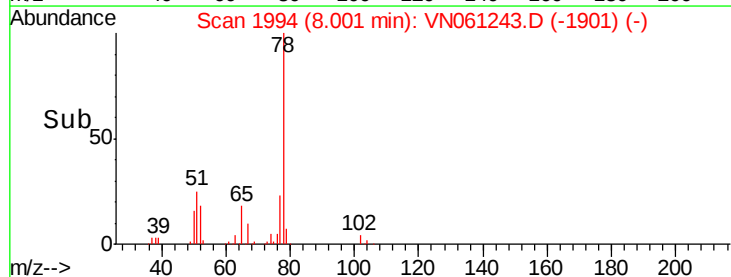
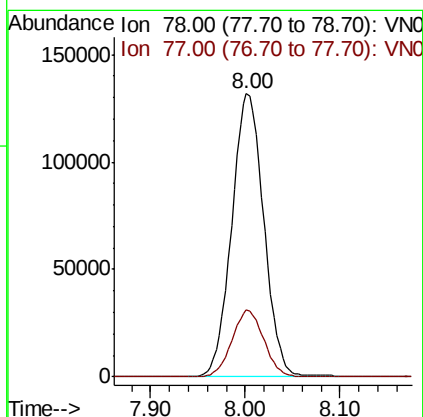
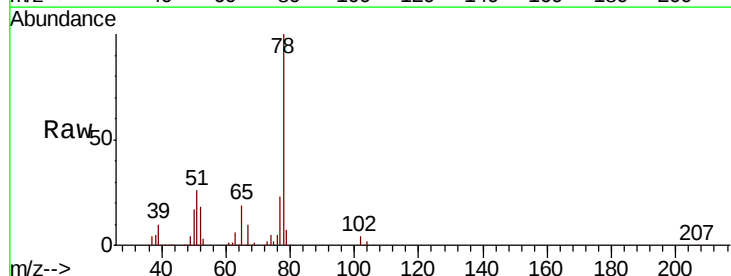
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion: 83 Resp: 111222
Ion Ratio Lower Upper
83 100
55 88.6 67.3 100.9
98 46.6 37.7 56.5



#40
Benzene
Concen: 52.577 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion: 78 Resp: 310461
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6

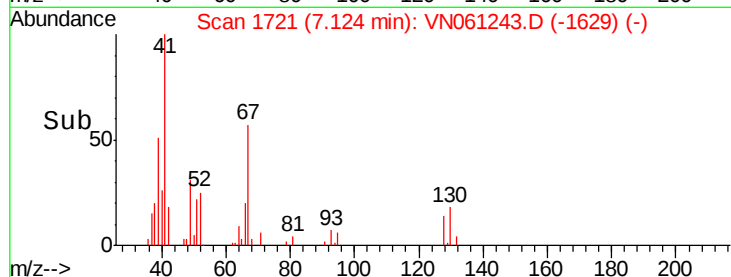
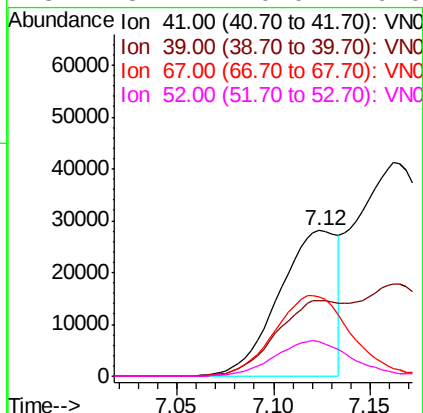
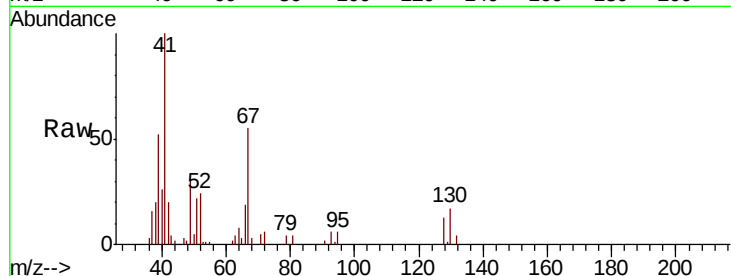




#41
Methacrylonitrile
Concen: 61.401 ug/l
RT: 7.12 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

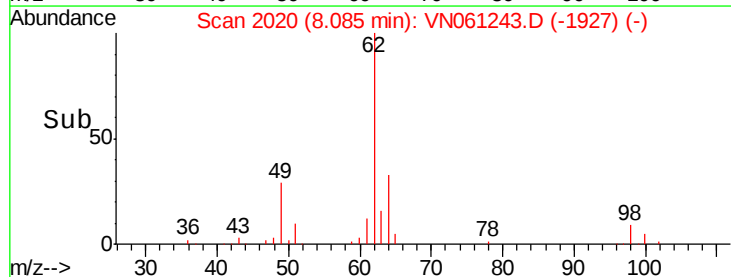
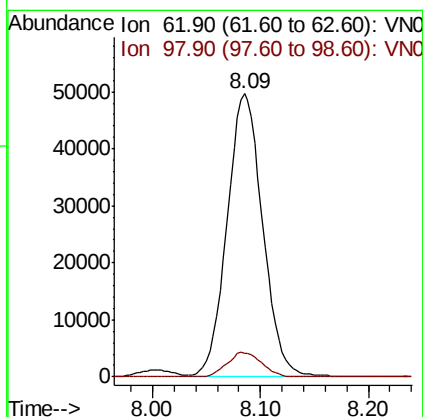
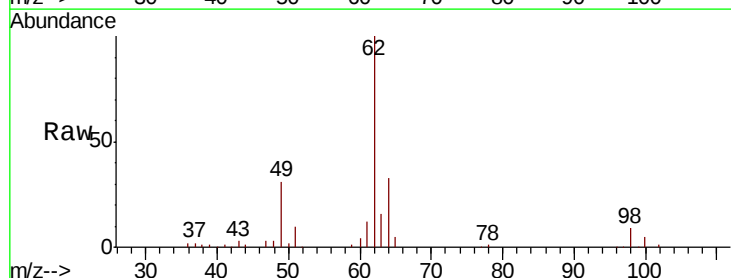
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

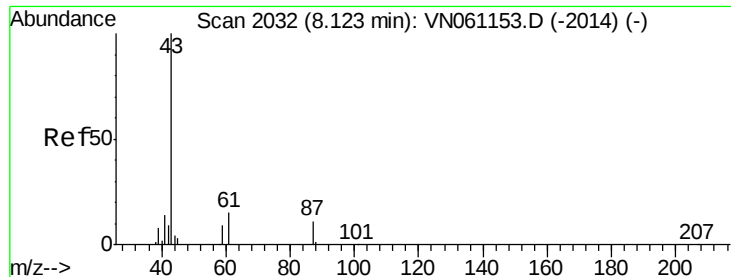
Tot Ion:	41	Resp:	59236
Ion	Ratio	Lower	Upper
41	100		
39	58.0	0.0	0.0#
67	73.2	0.0	0.0#
52	32.4	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 50.726 ug/l
RT: 8.09 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion:	62	Resp:	113474
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 50.799 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

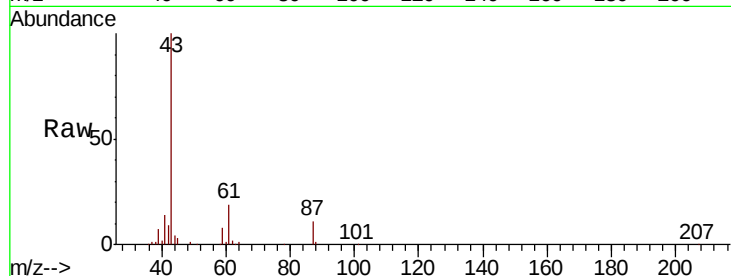
Tot Ion: 43 Resp: 195891

Ion Ratio Lower Upper

43 100

61 18.8 19.5 29.3#

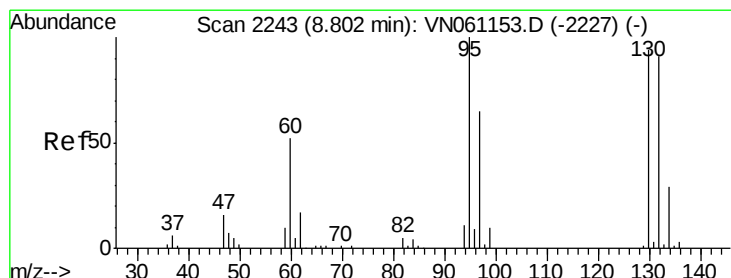
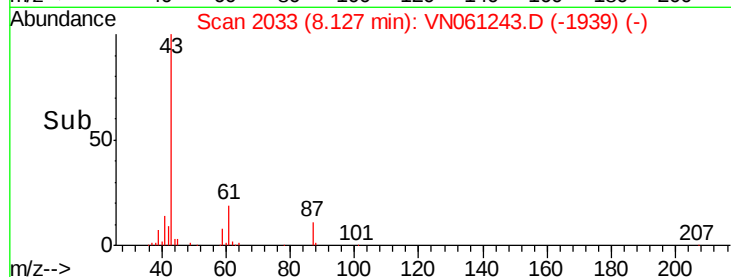
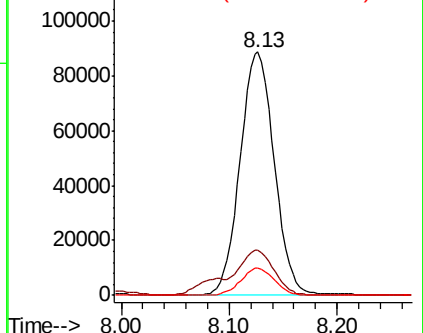
87 10.9 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2014) (-)

Ion 61.00 (60.70 to 61.70): VN061153.D (-2014) (-)

Ion 87.00 (86.70 to 87.70): VN061153.D (-2014) (-)



#44

Trichloroethene

Concen: 48.564 ug/l

RT: 8.80 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VN061243.D

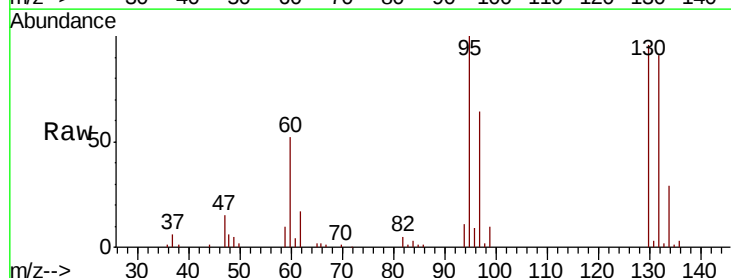
Acq: 1 May 2020 20:09

Tgt Ion:130 Resp: 77521

Ion Ratio Lower Upper

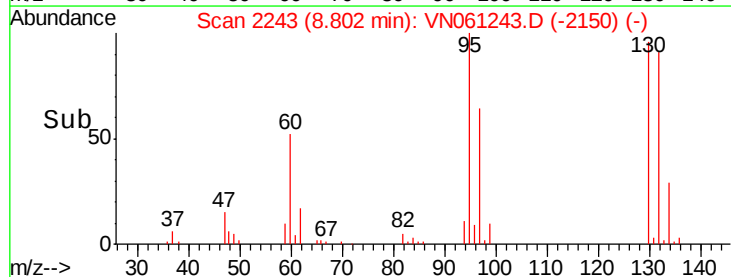
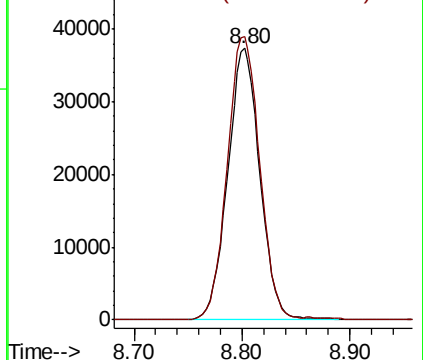
130 100

95 104.2 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061153.D (-2227) (-)

Ion 94.90 (94.60 to 95.60): VN061153.D (-2227) (-)





#45

1,2-Dichloropropane

Concen: 53.441 ug/l

RT: 9.09 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

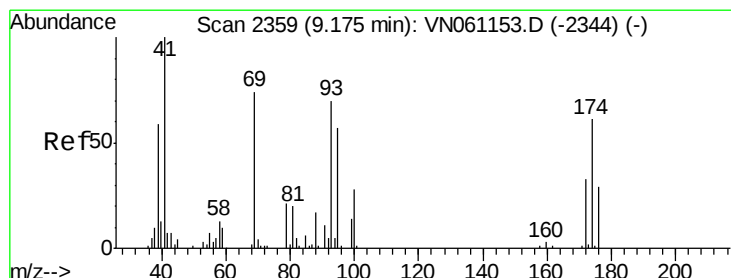
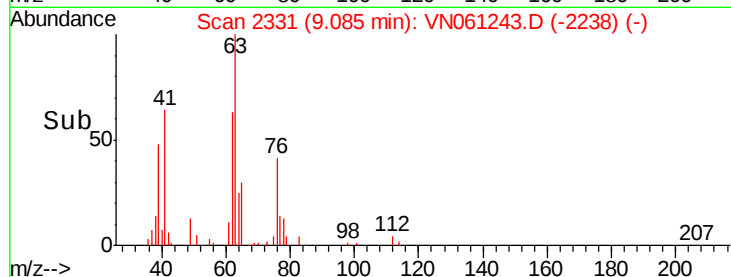
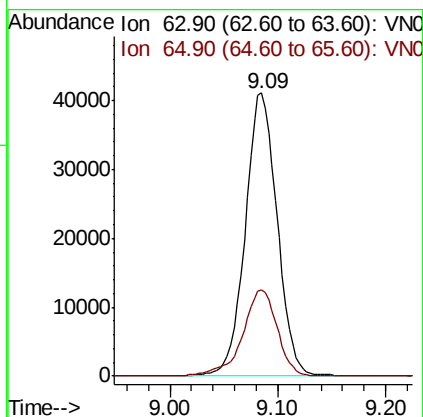
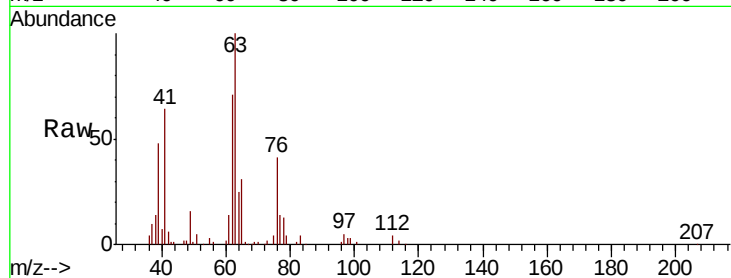
BP-VPB180-GW-803-805MSD

Tot Ion: 63 Resp: 84305

Ion Ratio Lower Upper

63 100

65 30.6 24.7 37.1



#46

Dibromomethane

Concen: 52.287 ug/l

RT: 9.18 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

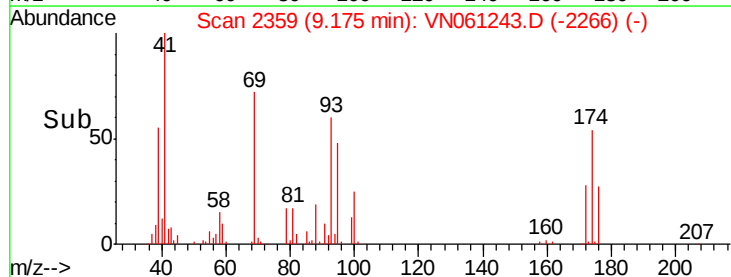
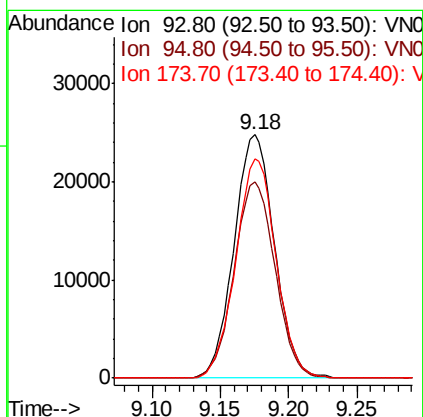
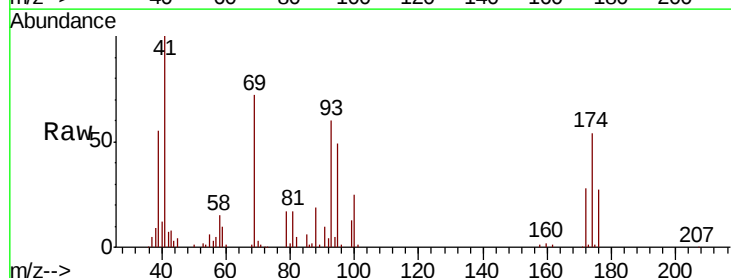
Tgt Ion: 93 Resp: 51072

Ion Ratio Lower Upper

93 100

95 81.7 66.6 99.8

174 89.6 70.2 105.2





#47

Bromodichloromethane

Concen: 52.368 ug/l

RT: 9.37 min Scan# 2420

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

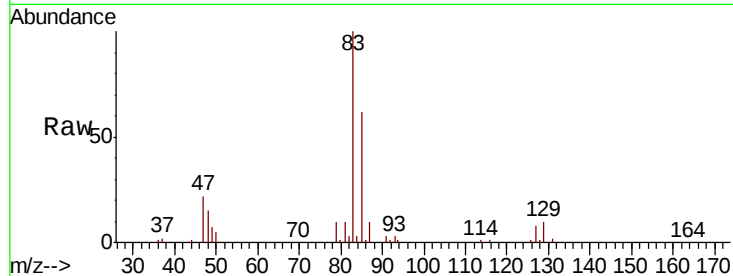
Tot Ion: 83 Resp: 109791

Ion Ratio Lower Upper

83 100

85 62.3 50.4 75.6

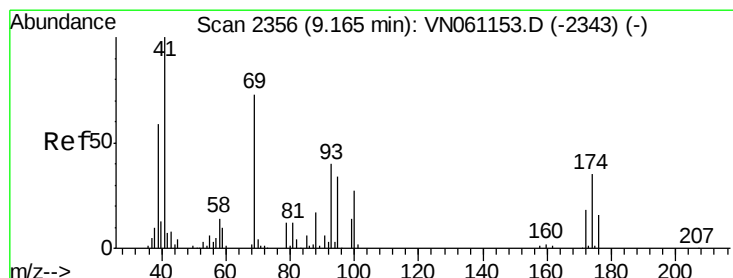
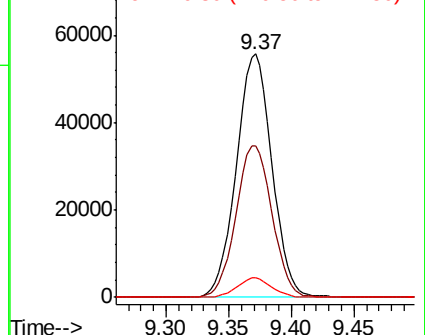
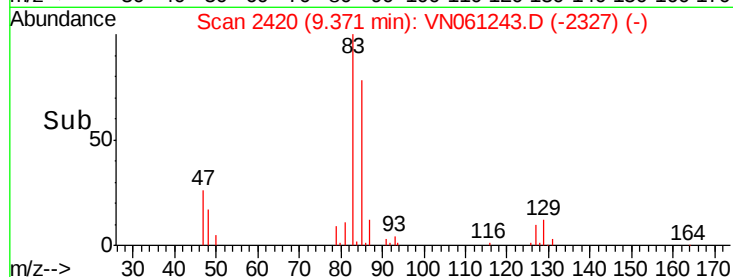
127 8.1 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN061243.D (-2327) (-)

Ion 84.90 (84.60 to 85.60): VN061243.D (-2327) (-)

Ion 126.80 (126.50 to 127.50): VN061243.D (-2327) (-)



#48

Methyl methacrylate

Concen: 54.339 ug/l

RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

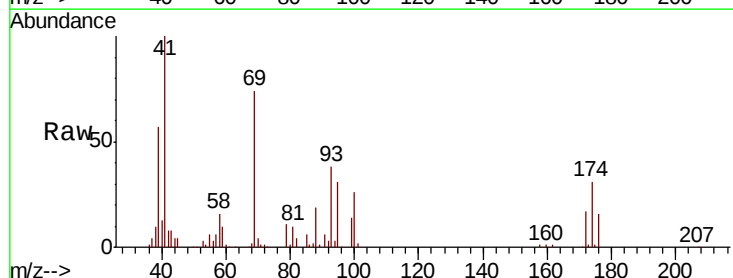
Tgt Ion: 41 Resp: 94557

Ion Ratio Lower Upper

41 100

69 75.6 60.3 90.5

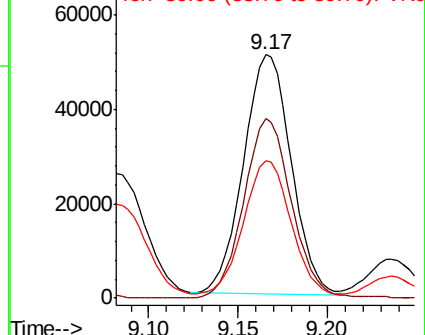
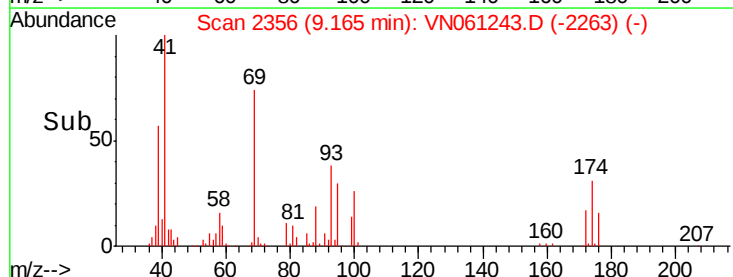
39 58.8 47.4 71.0

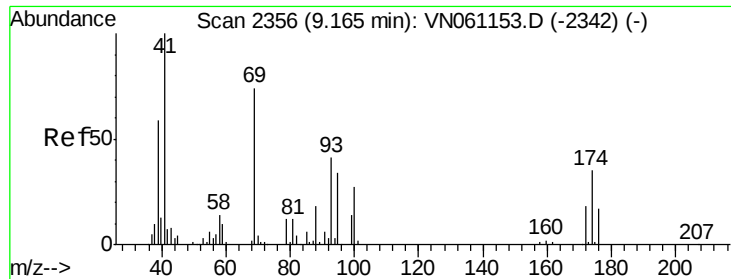


Abundance Ion 41.00 (40.70 to 41.70): VN061243.D (-2263) (-)

Ion 69.00 (68.70 to 69.70): VN061243.D (-2263) (-)

Ion 39.00 (38.70 to 39.70): VN061243.D (-2263) (-)

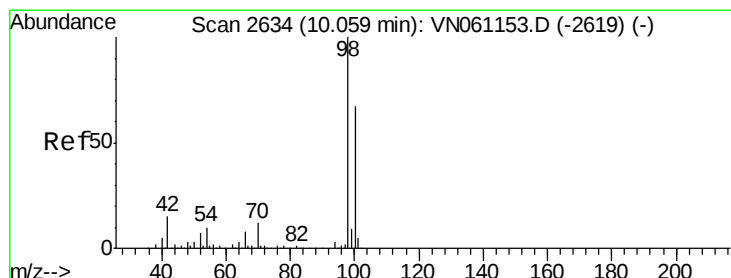
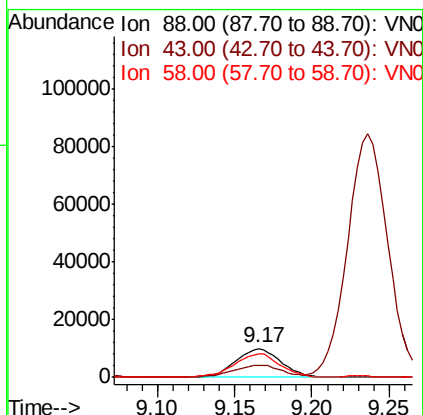
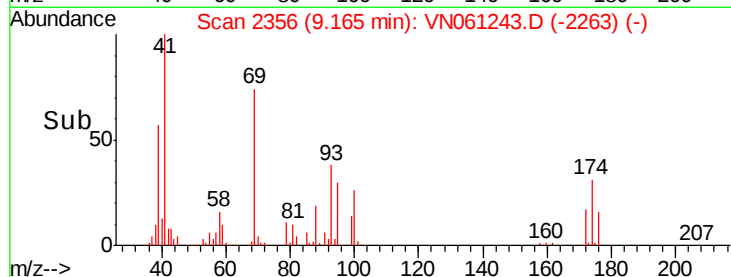
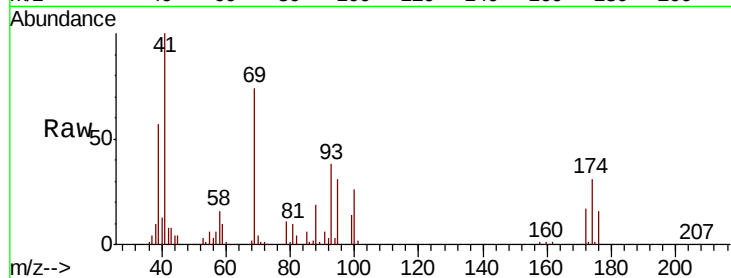




#49
1,4-Dioxane
Concen: 1016.323 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

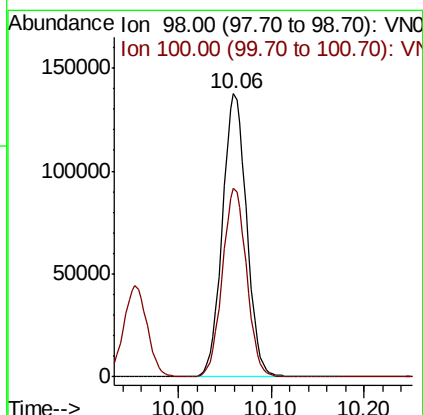
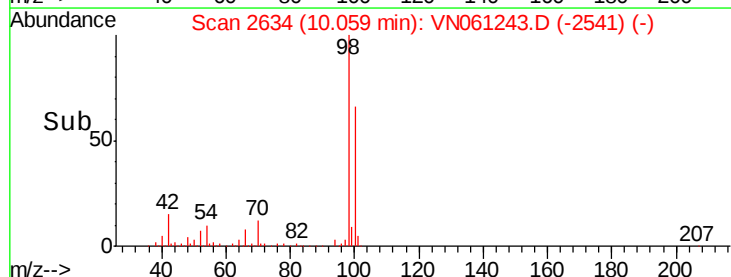
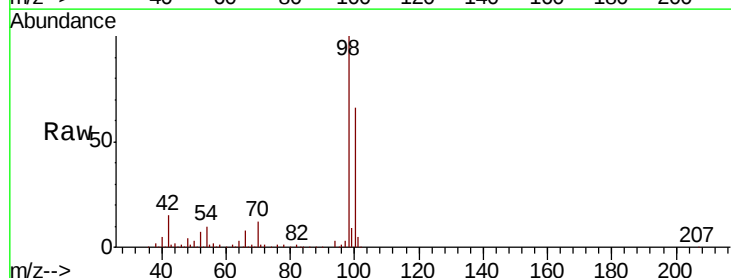
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

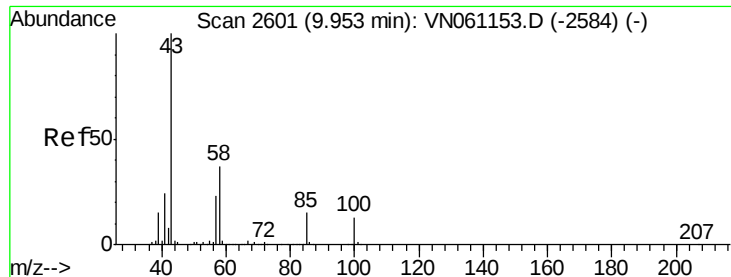
Tot Ion: 88 Resp: 20075
Ion Ratio Lower Upper
88 100
43 47.3 35.3 52.9
58 84.2 61.5 92.3



#50
Toluene-d8
Concen: 52.156 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion: 98 Resp: 248925
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.0

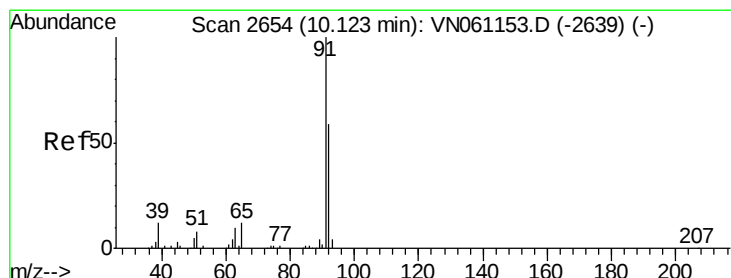
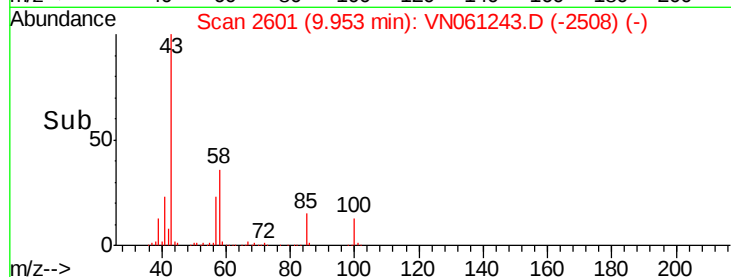
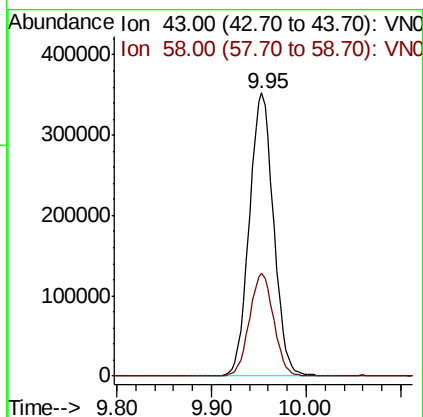
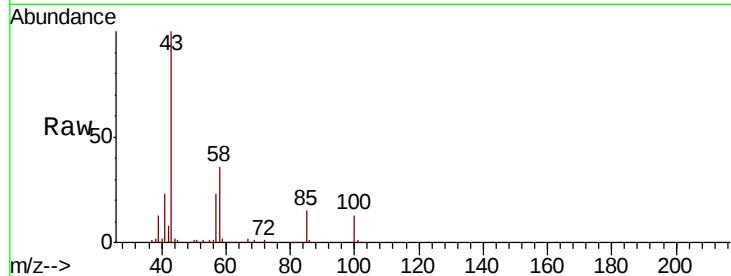




#51
 4-Methyl-2-Pentanone
 Concen: 277.097 ug/l
 RT: 9.95 min Scan# 2601
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

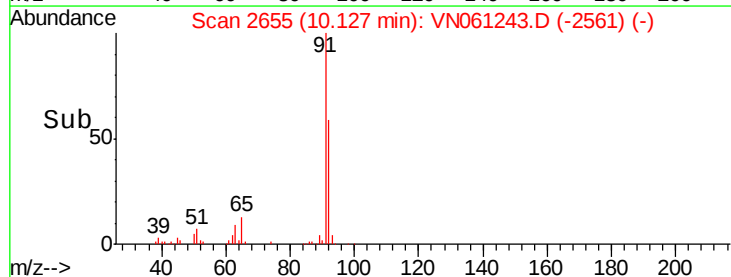
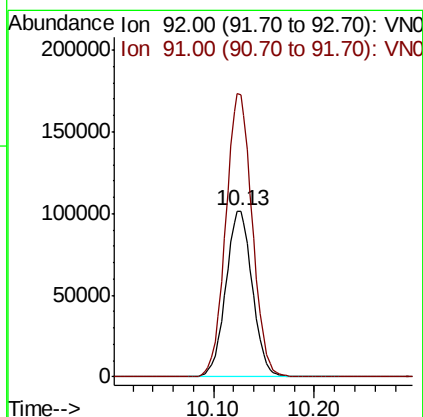
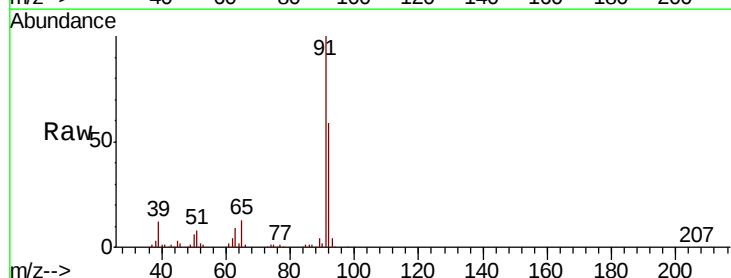
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

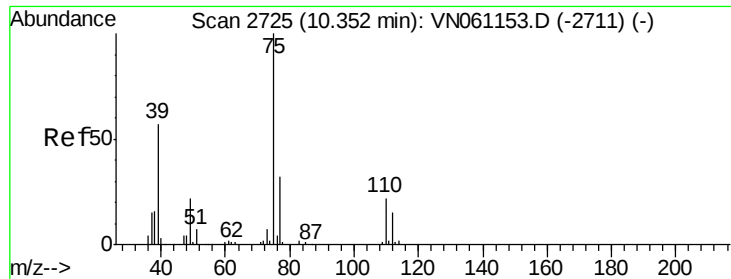
Tot Ion: 43 Resp: 628963
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.1 43.7



#52
 Toluene
 Concen: 52.460 ug/l
 RT: 10.13 min Scan# 2655
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion: 92 Resp: 186583
 Ion Ratio Lower Upper
 92 100
 91 170.2 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 50.846 ug/l

RT: 10.35 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

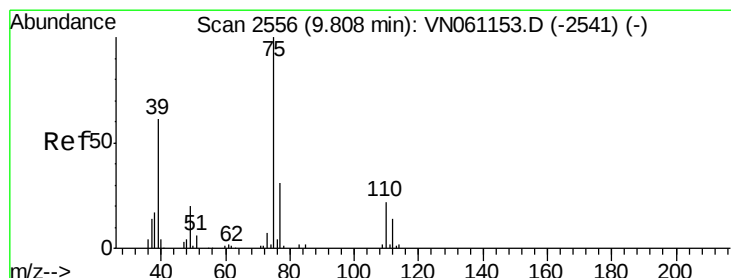
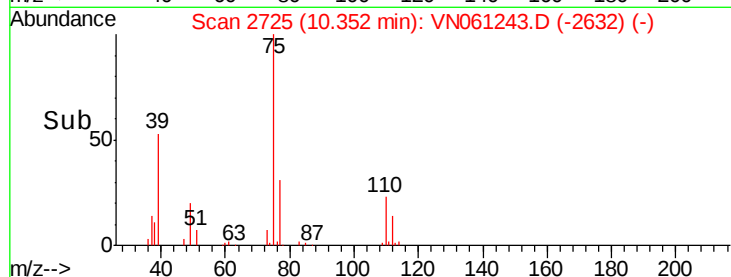
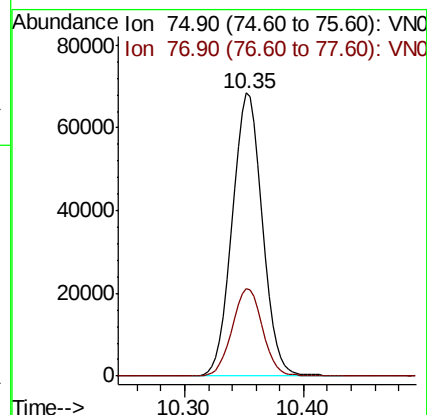
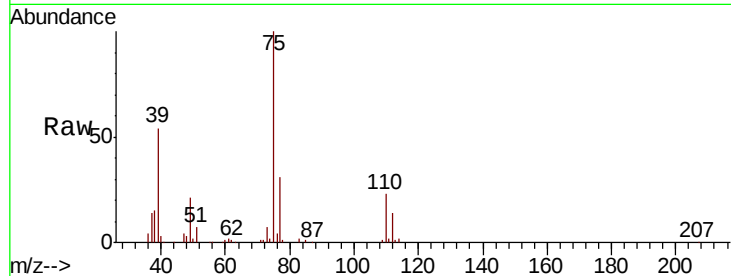
BP-VPB180-GW-803-805MSD

Tot Ion: 75 Resp: 120115

Ion Ratio Lower Upper

75 100

77 31.0 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 50.733 ug/l

RT: 9.81 min Scan# 2556

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

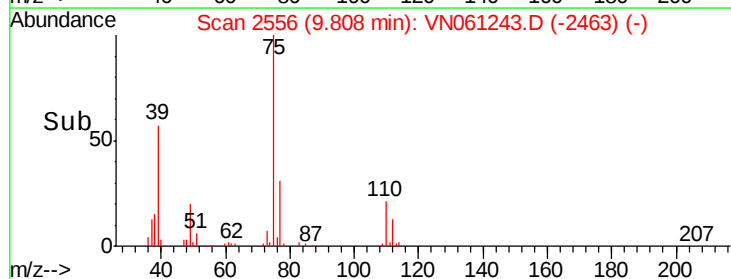
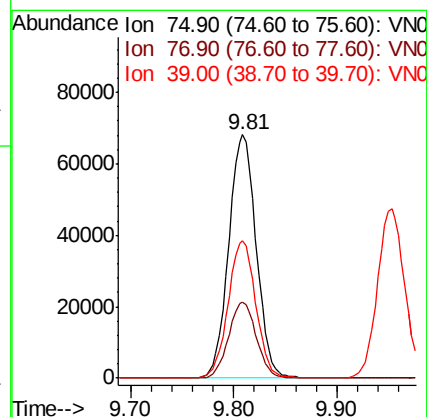
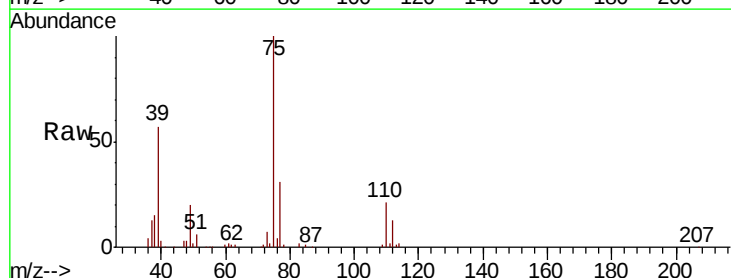
Tgt Ion: 75 Resp: 126705

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4

39 56.6 48.7 73.1





#55

1,1,2-Trichloroethane

Concen: 51.588 ug/l

RT: 10.54 min Scan# 2782

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

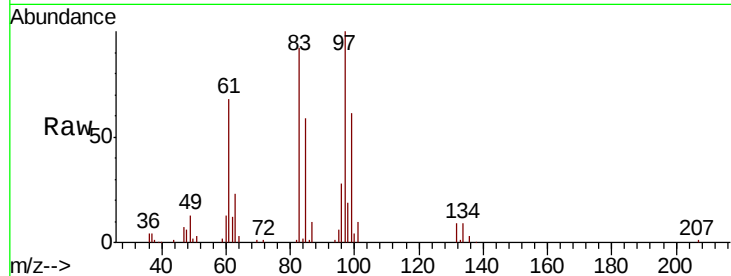
MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion: 97 Resp: 73186

Ion	Ratio	Lower	Upper
97	100		
83	91.7	70.6	106.0
85	58.6	46.4	69.6
99	61.5	50.6	75.8



Abundance

Ion 96.90 (96.60 to 97.60): VN0

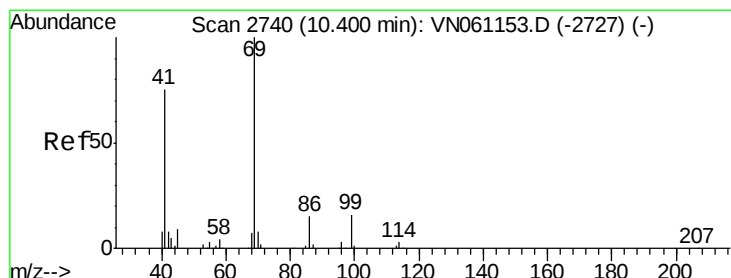
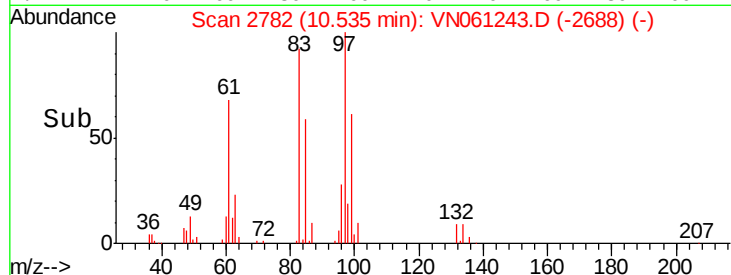
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.54

Time-->



#56

Ethyl methacrylate

Concen: 48.700 ug/l

RT: 10.40 min Scan# 2740

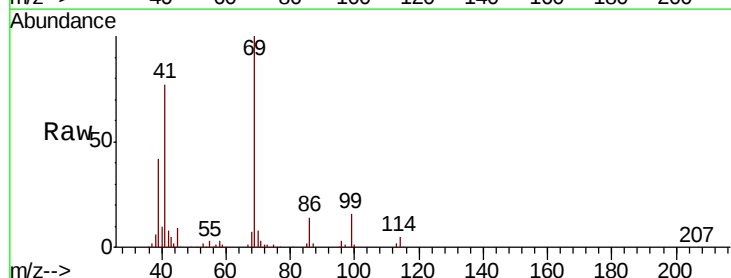
Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Tgt Ion: 69 Resp: 120208

Ion	Ratio	Lower	Upper
69	100		
41	76.9	60.3	90.5
39	41.5	35.9	53.9



Abundance

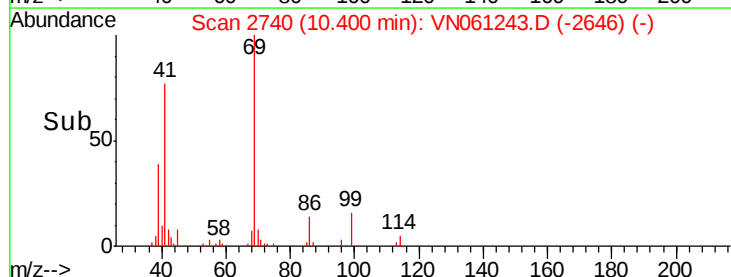
Ion 69.00 (68.70 to 69.70): VN0

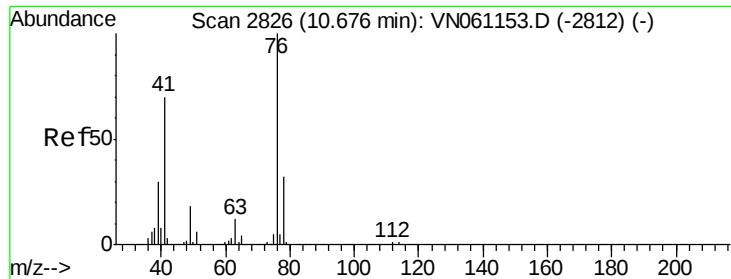
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.40

Time-->

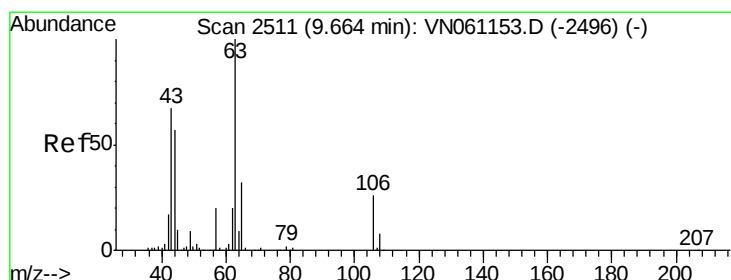
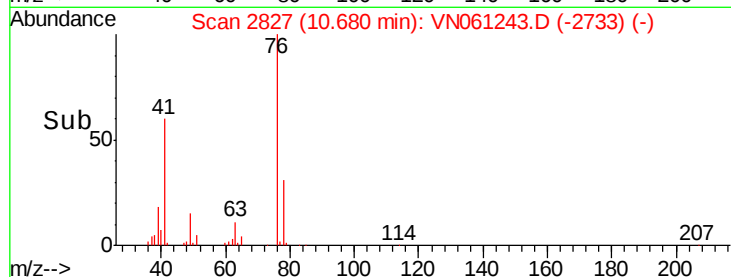
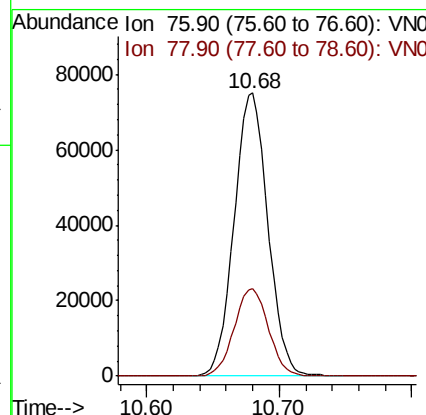
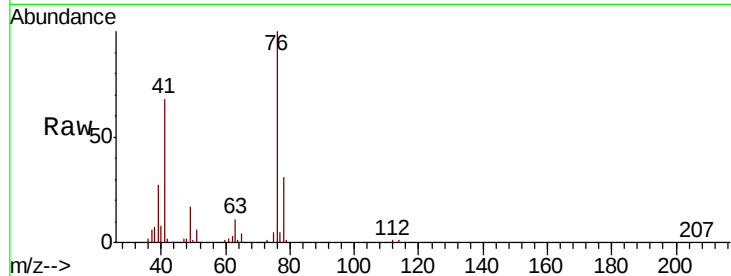




#57
 1,3-Dichloropropane
 Concen: 53.257 ug/l
 RT: 10.68 min Scan# 2827
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

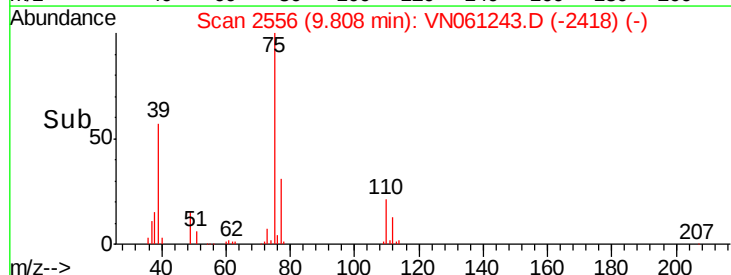
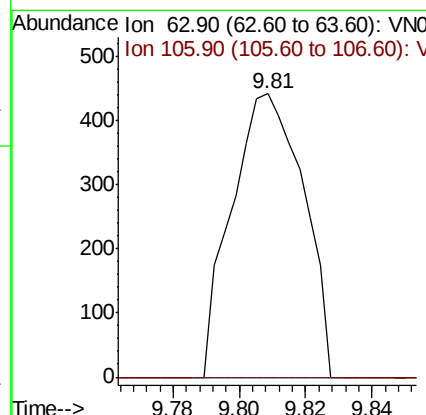
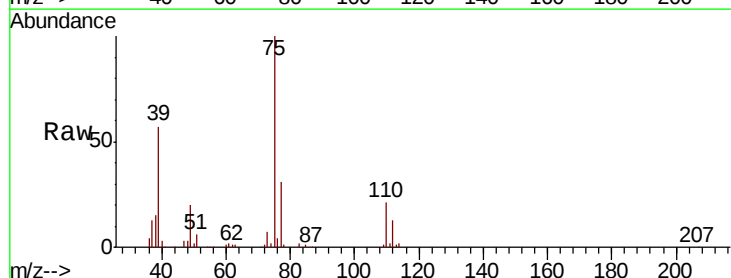
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

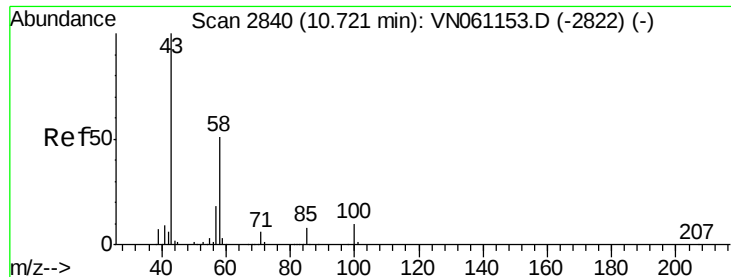
Tot Ion: 76 Resp: 132804
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.577 ug/l
 RT: 9.81 min Scan# 2556
 Delta R.T. 0.14 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion: 63 Resp: 663
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.6 30.8#

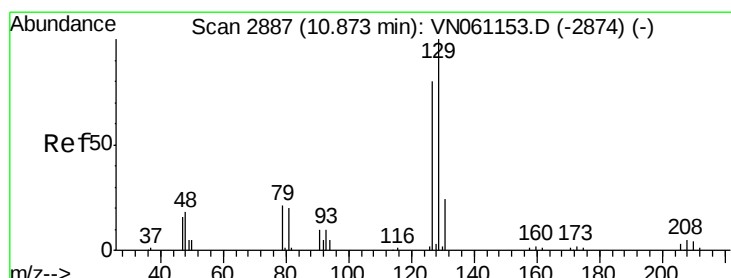
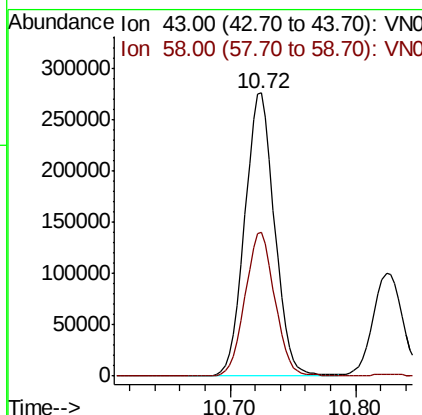
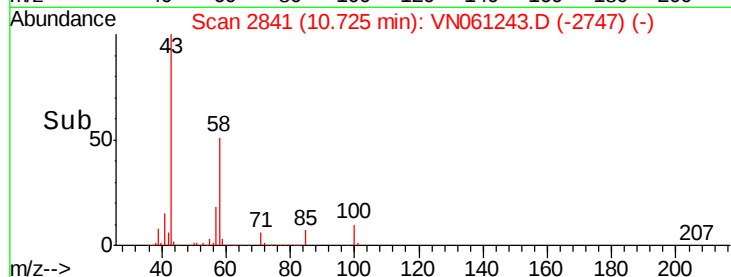
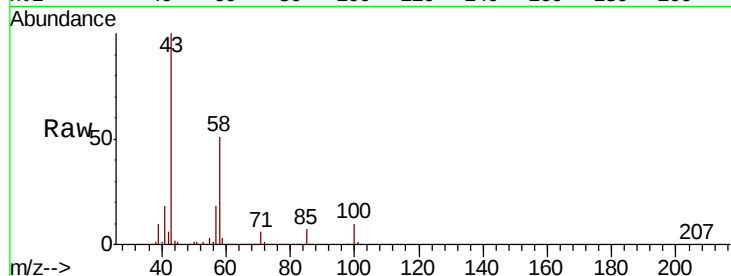




#59
2-Hexanone
Concen: 277.315 ug/l
RT: 10.72 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

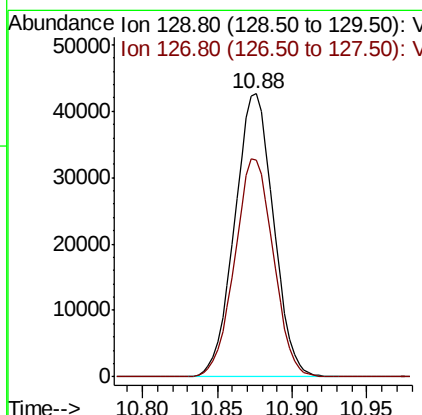
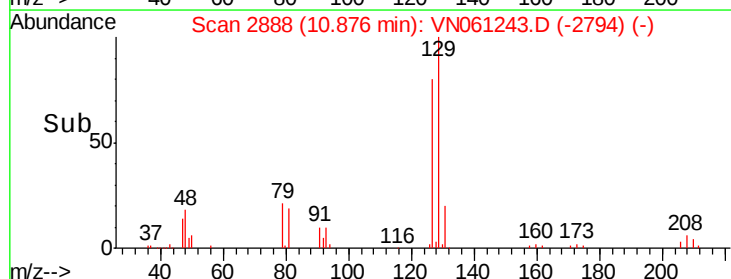
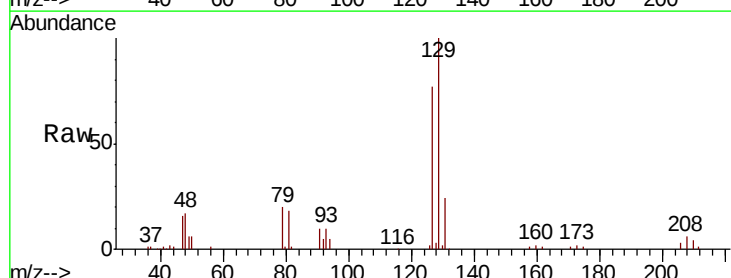
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

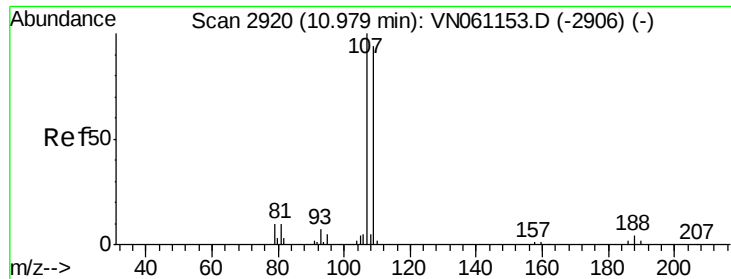
Tot Ion: 43 Resp: 457943
Ion Ratio Lower Upper
43 100
58 50.8 25.4 76.4



#60
Dibromochloromethane
Concen: 51.828 ug/l
RT: 10.88 min Scan# 2888
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion: 129 Resp: 77007
Ion Ratio Lower Upper
129 100
127 76.7 39.3 117.8

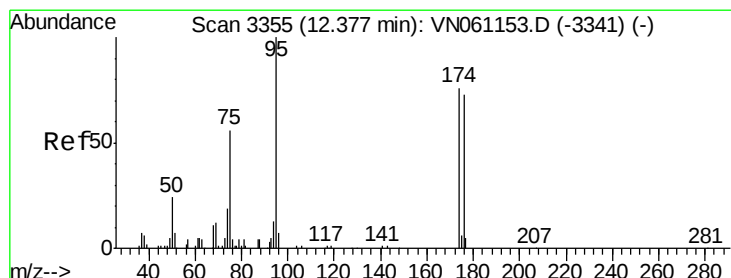
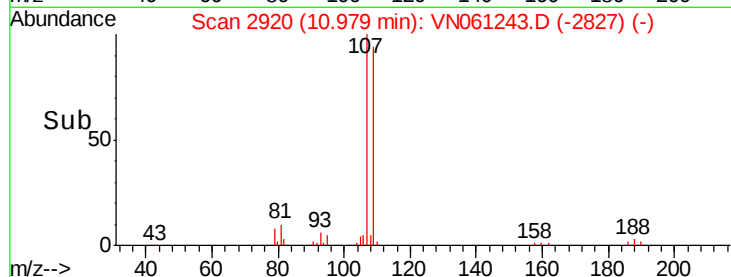
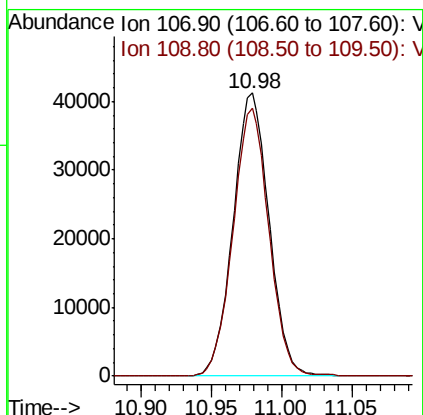
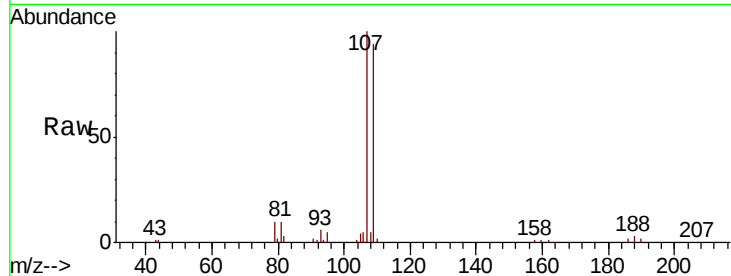




#61
 1,2-Dibromoethane
 Concen: 51.839 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

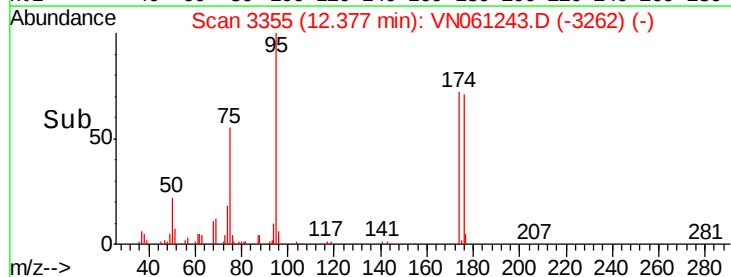
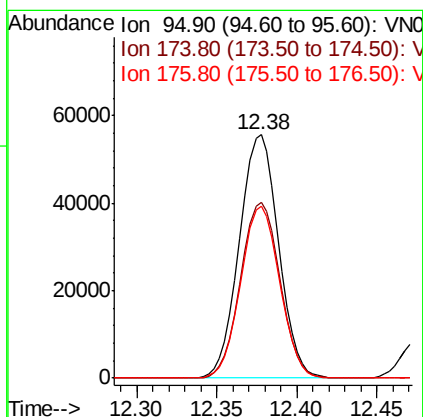
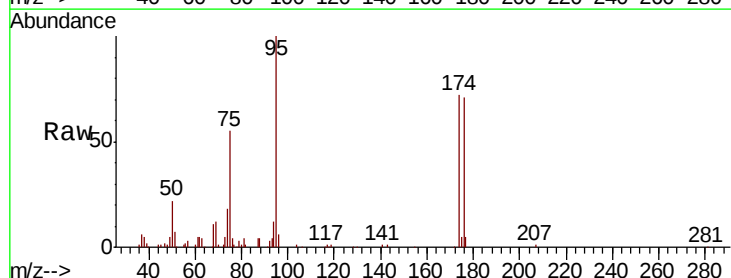
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

Tot Ion: 107 Resp: 73711
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 51.761 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion: 95 Resp: 92965
 Ion Ratio Lower Upper
 95 100
 174 72.7 0.0 149.4
 176 70.5 0.0 144.8

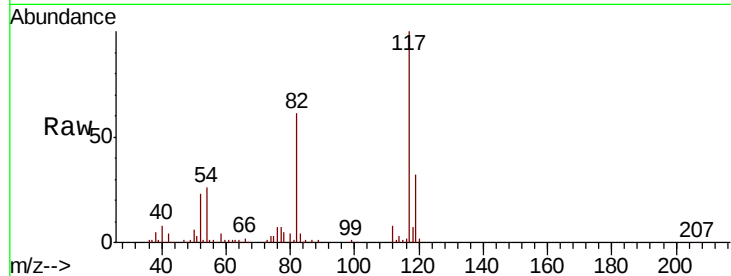




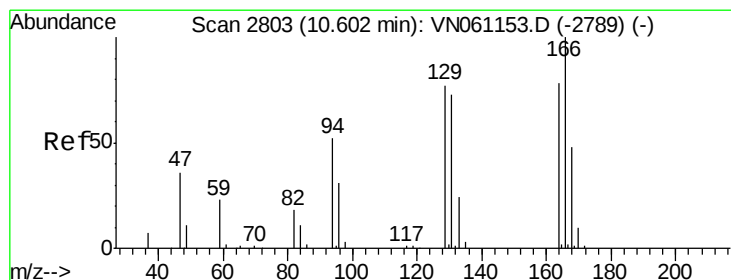
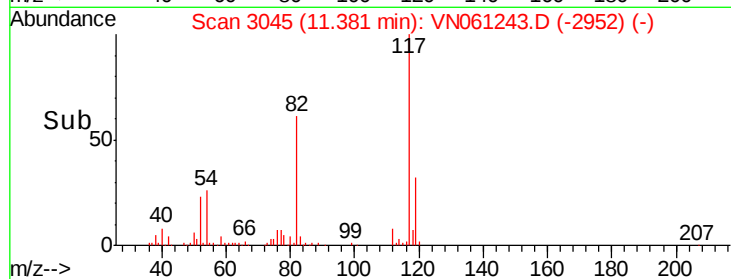
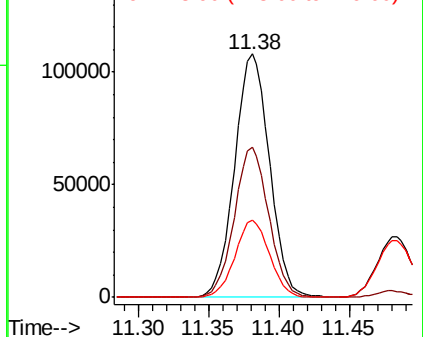
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion:117 Resp: 187467
Ion Ratio Lower Upper
117 100
82 61.4 47.8 71.8
119 31.7 25.8 38.6

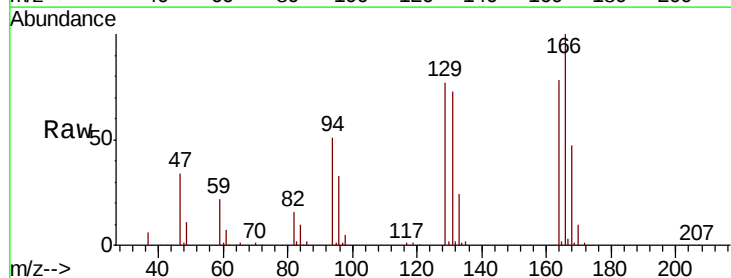


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

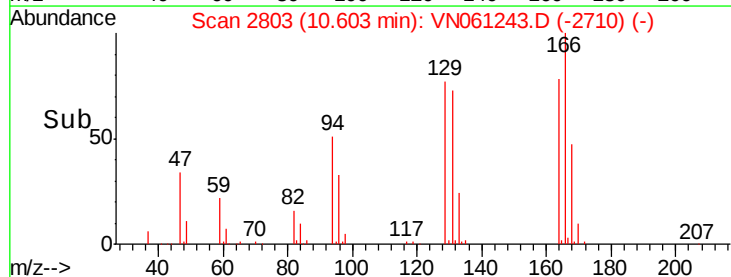
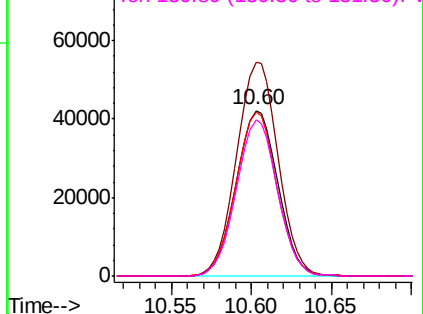


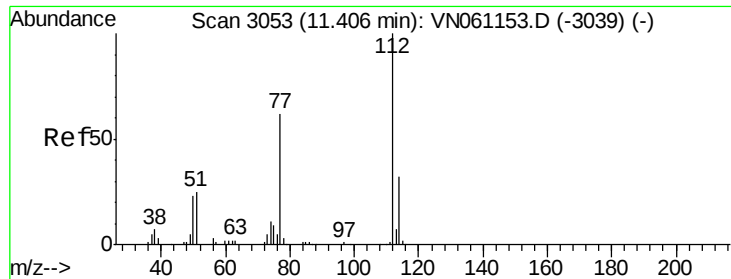
#64
Tetrachloroethene
Concen: 46.198 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion:164 Resp: 75010
Ion Ratio Lower Upper
164 100
166 129.0 102.0 153.0
129 98.9 78.2 117.2
131 94.1 74.5 111.7



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

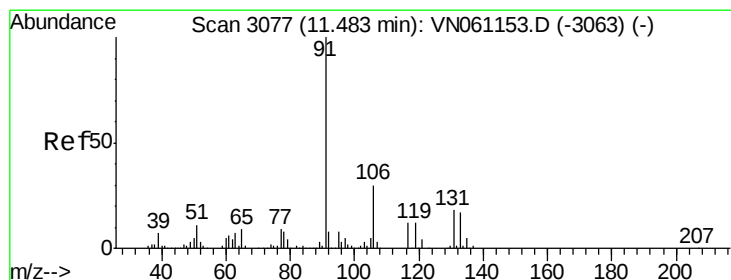
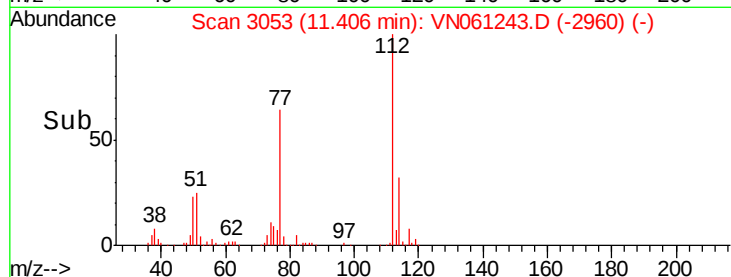
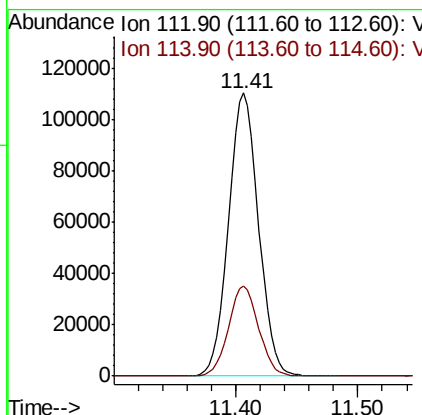
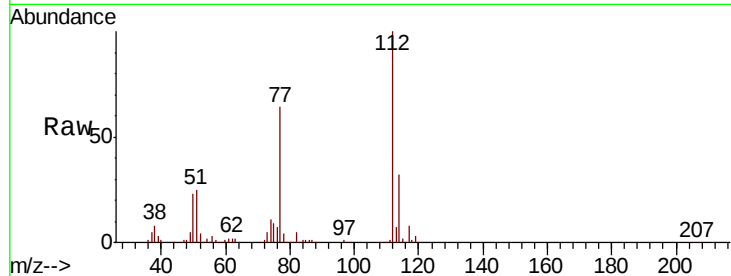




#65
Chlorobenzene
Concen: 50.897 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

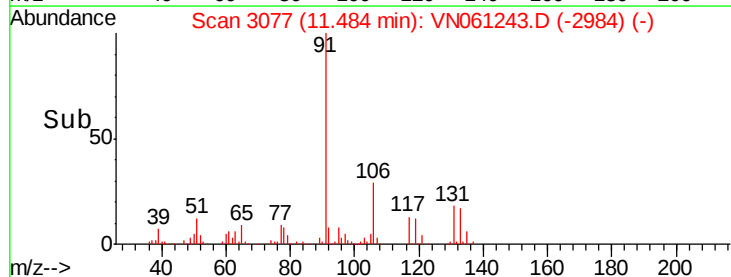
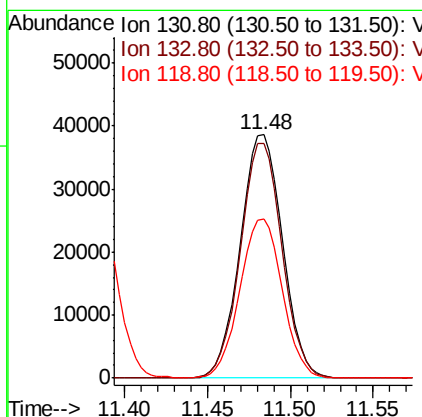
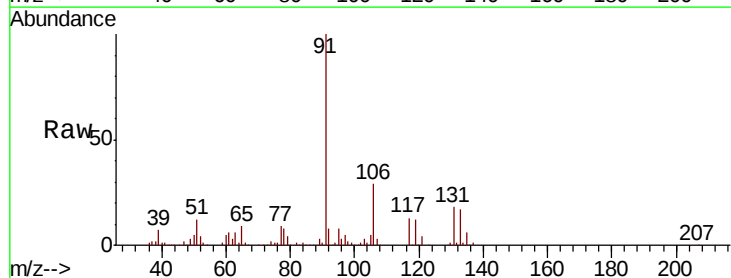
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion:112 Resp: 189273
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.632 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion:131 Resp: 68721
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.2
119 65.5 32.6 97.8





#67

Ethyl Benzene

Concen: 51.827 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

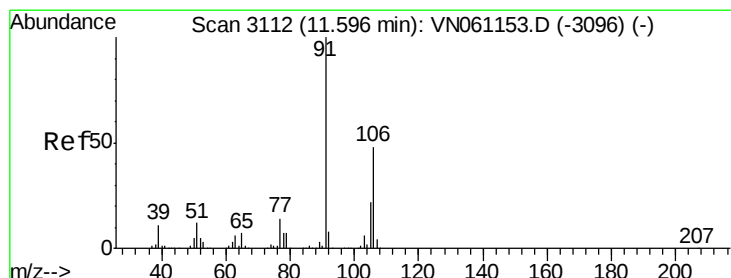
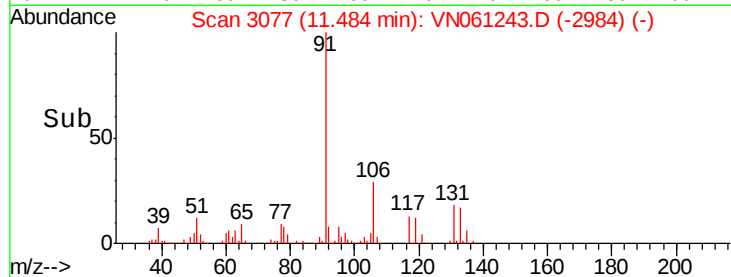
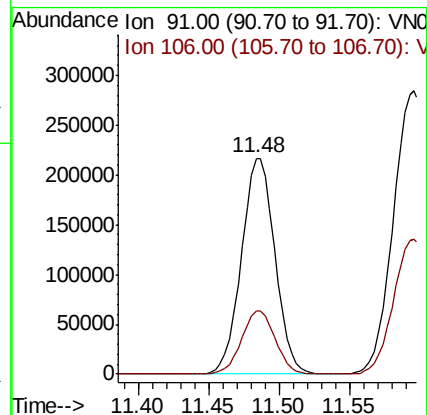
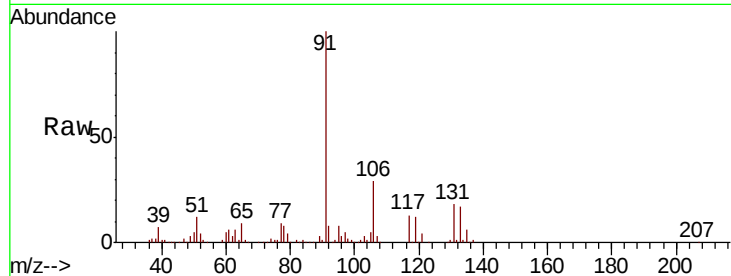
BP-VPB180-GW-803-805MSD

Tot Ion: 91 Resp: 360787

Ion Ratio Lower Upper

91 100

106 29.5 23.8 35.6



#68

m/p-Xylenes

Concen: 103.115 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061243.D

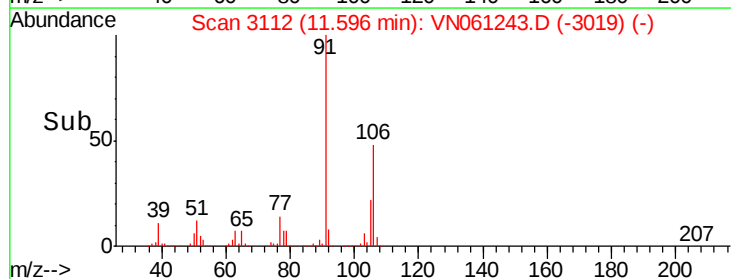
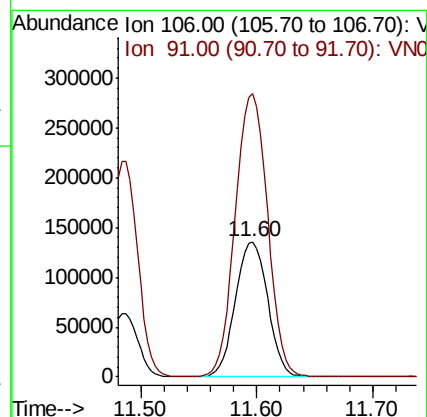
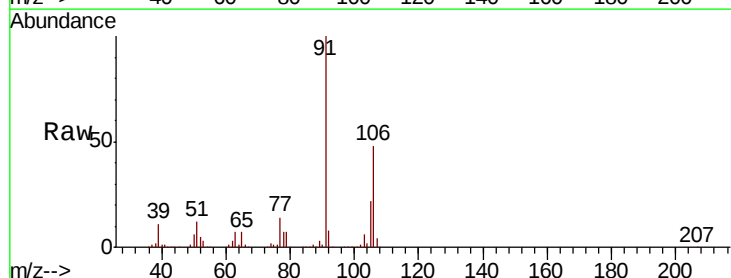
Acq: 1 May 2020 20:09

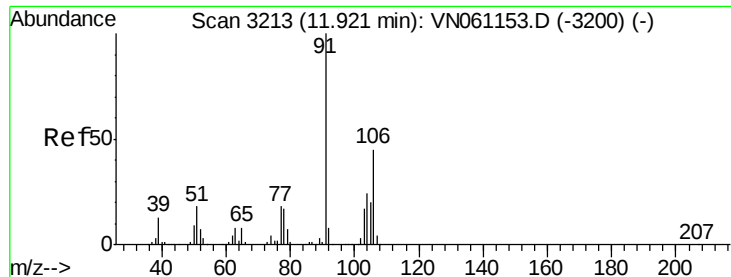
Tgt Ion: 106 Resp: 262746

Ion Ratio Lower Upper

106 100

91 209.9 166.4 249.6

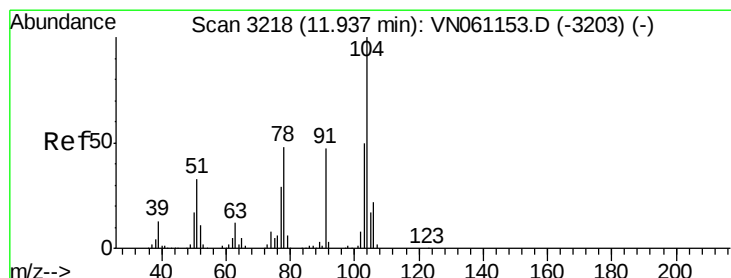
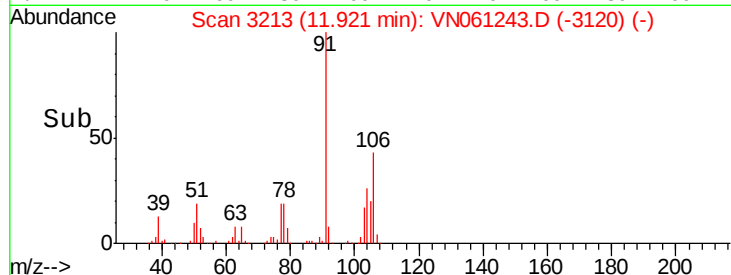
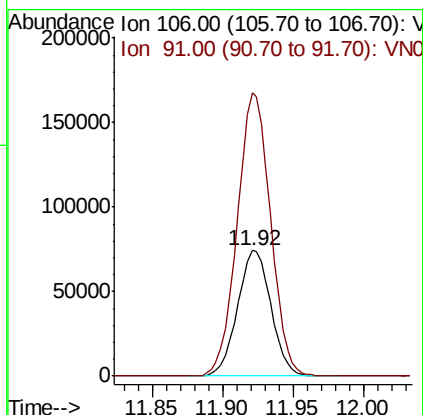
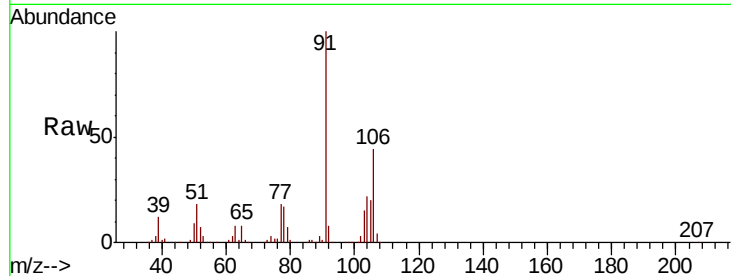




#69
o-Xylene
Concen: 50.525 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

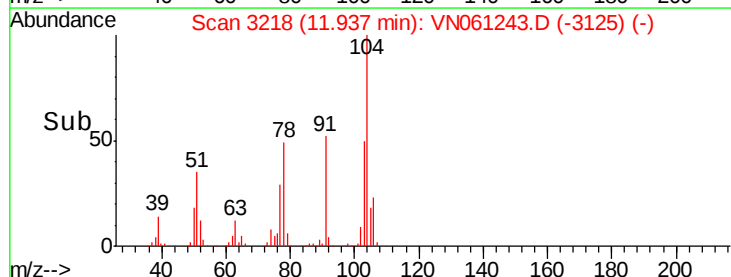
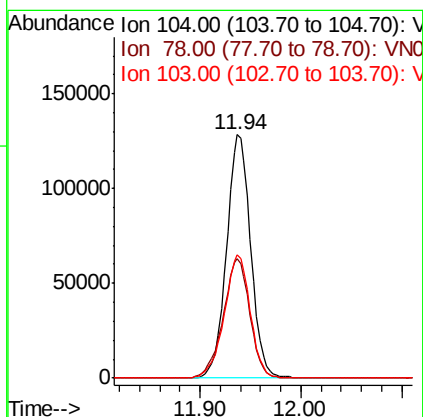
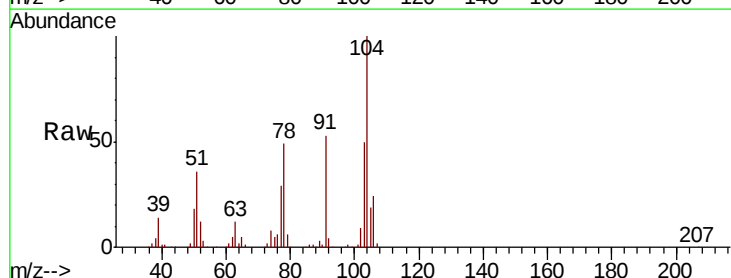
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

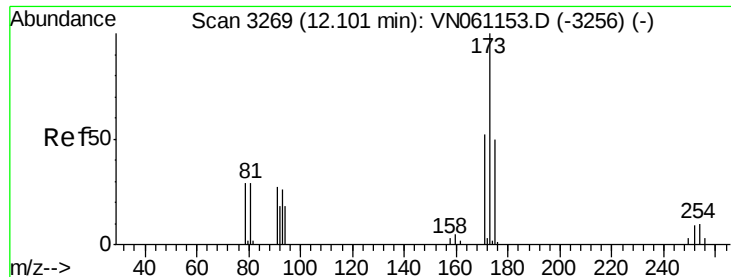
Tot Ion:106 Resp: 123665
Ion Ratio Lower Upper
106 100
91 224.8 109.7 329.0



#70
Styrene
Concen: 52.330 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion:104 Resp: 214373
Ion Ratio Lower Upper
104 100
78 54.0 42.1 63.1
103 54.2 43.3 64.9

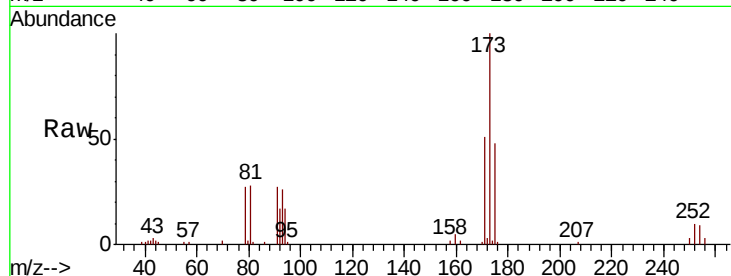




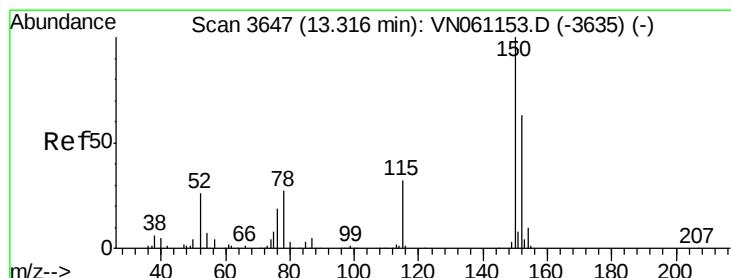
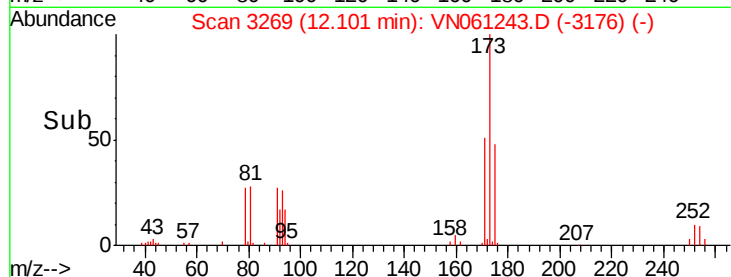
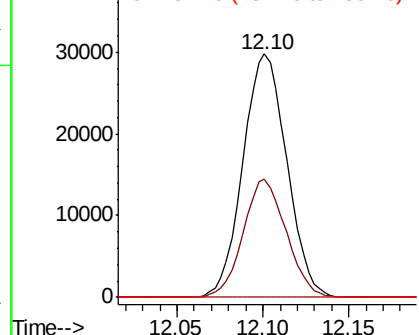
#71
Bromoform
Concen: 53.906 ug/l
RT: 12.10 min Scan# 3269
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion:173 Resp: 52730
Ion Ratio Lower Upper
173 100
175 47.4 24.1 72.4
254 0.0 0.0 0.0

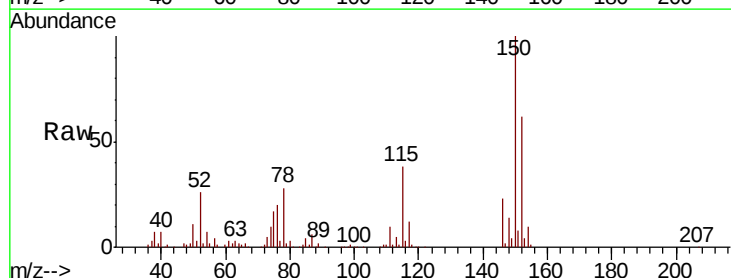


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

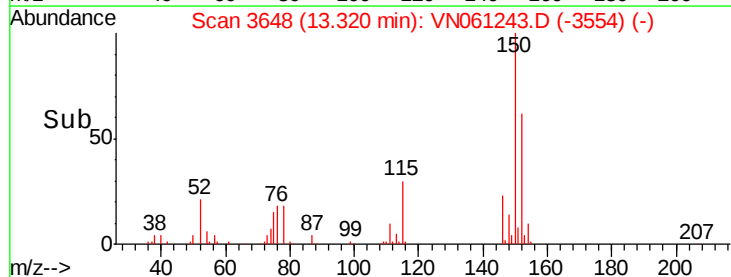
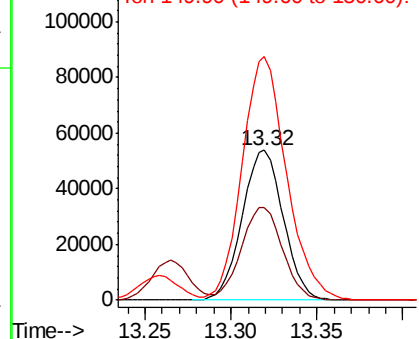


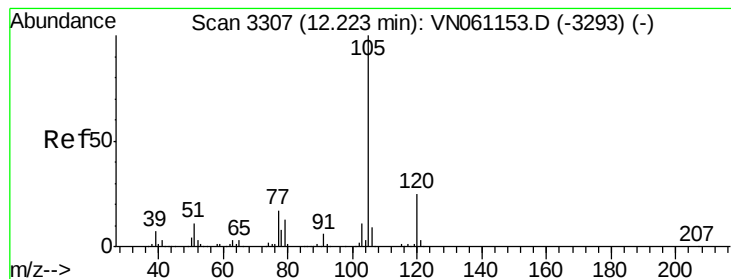
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3648
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion:152 Resp: 89512
Ion Ratio Lower Upper
152 100
115 62.3 31.0 93.0
150 175.0 0.0 351.8



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: 51.749 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

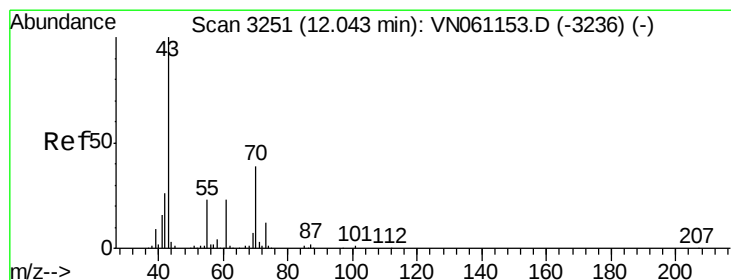
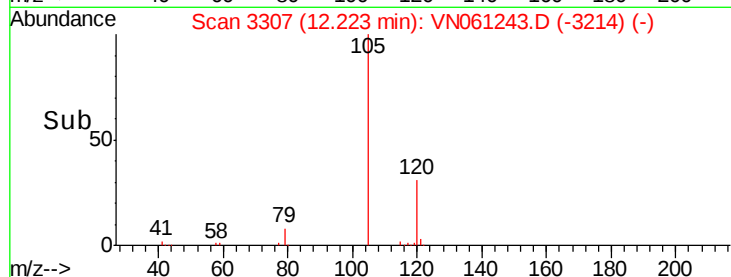
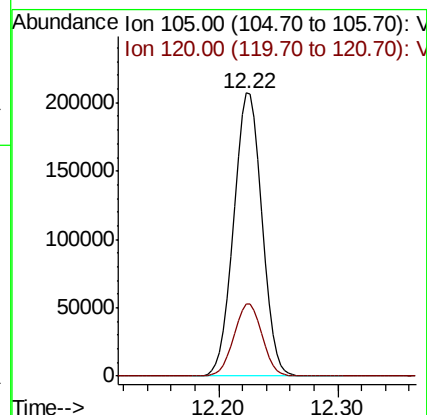
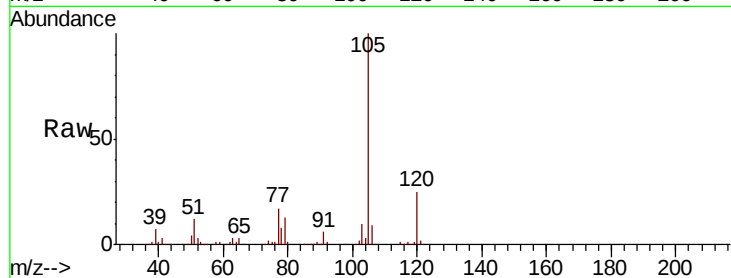
BP-VPB180-GW-803-805MSD

Tot Ion:105 Resp: 340534

Ion Ratio Lower Upper

105 100

120 25.5 12.6 37.8



#74

N-ethyl acetate

Concen: 50.445 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Tgt Ion: 43 Resp: 168094

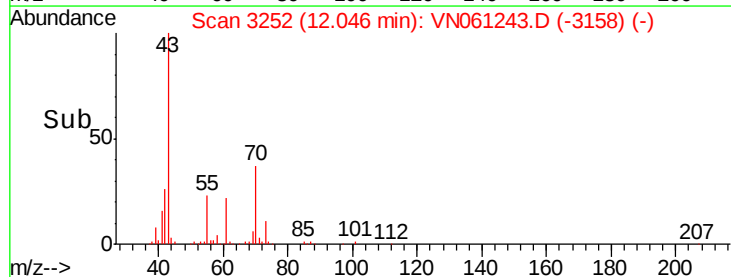
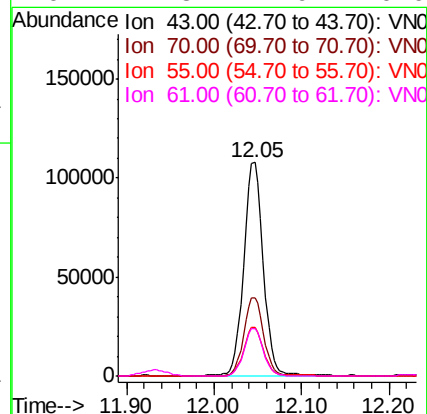
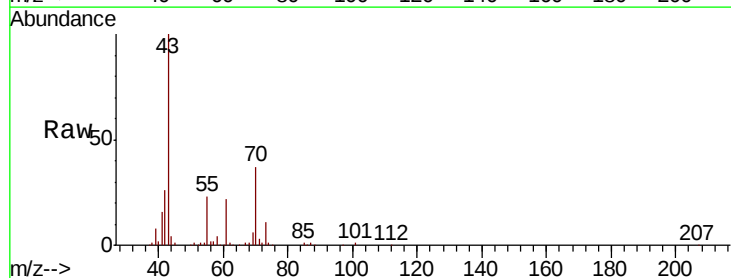
Ion Ratio Lower Upper

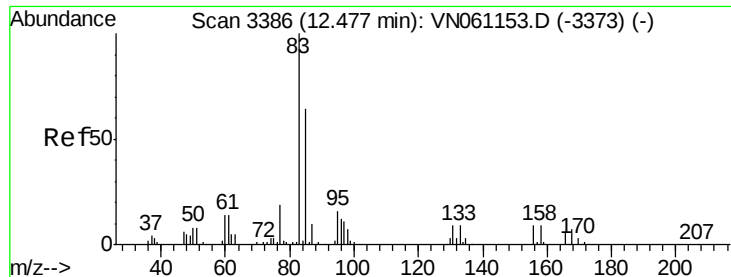
43 100

70 36.8 30.6 46.0

55 23.1 18.5 27.7

61 21.8 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 53.309 ug/l

RT: 12.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

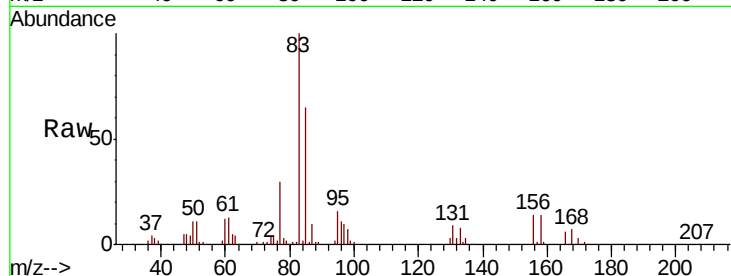
Tot Ion: 83 Resp: 109383

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.3

85 64.0 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN061153.D (-3373) (-)

Ion 130.80 (130.50 to 131.50): VN061153.D (-3373) (-)

Ion 84.90 (84.60 to 85.60): VN061153.D (-3373) (-)

12.48

80000

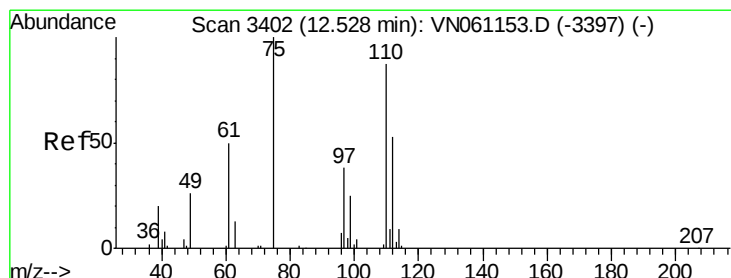
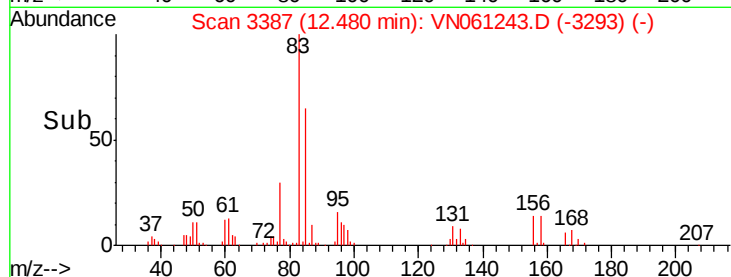
60000

40000

20000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 78.085 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061243.D

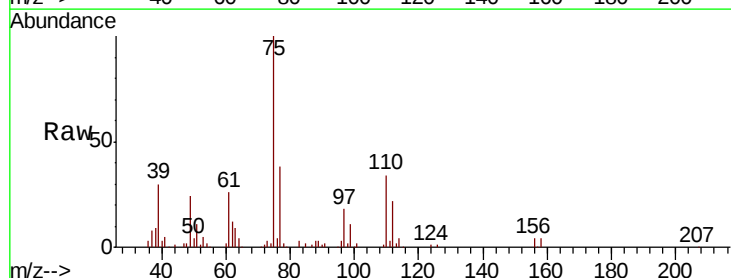
Acq: 1 May 2020 20:09

Tgt Ion: 75 Resp: 147359

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061153.D (-3397) (-)

Ion 77.00 (76.70 to 77.70): VN061153.D (-3397) (-)

12.53

100000

80000

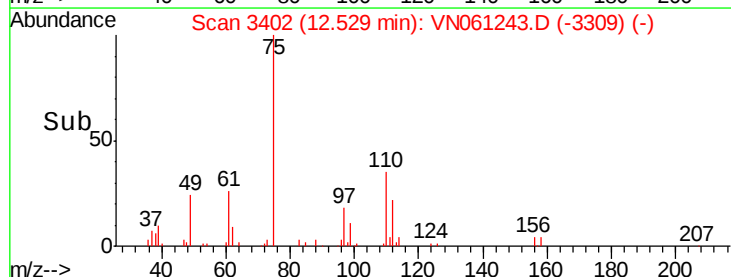
60000

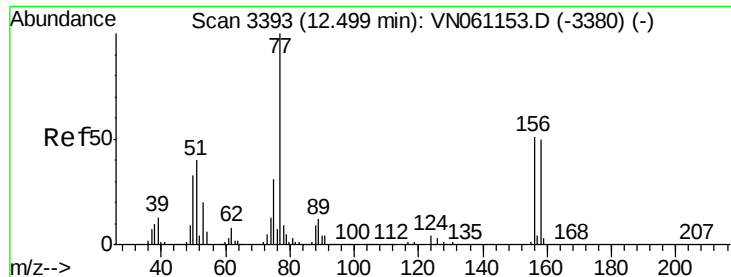
40000

20000

0

Time--> 12.40 12.50 12.60





#77

Bromobenzene

Concen: 51.142 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

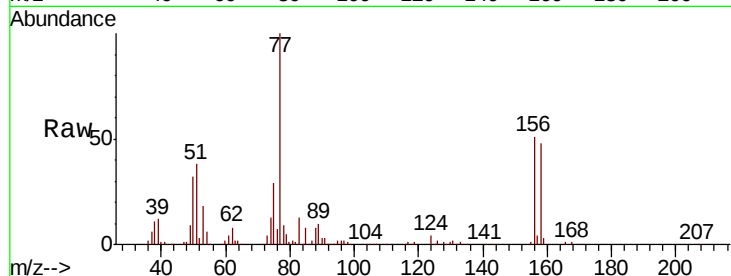
Tot Ion:156 Resp: 77687

Ion Ratio Lower Upper

156 100

77 242.0 117.4 352.2

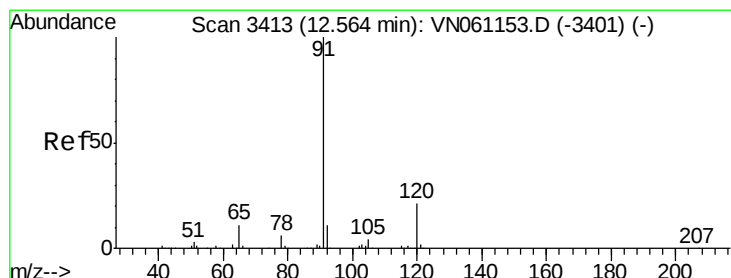
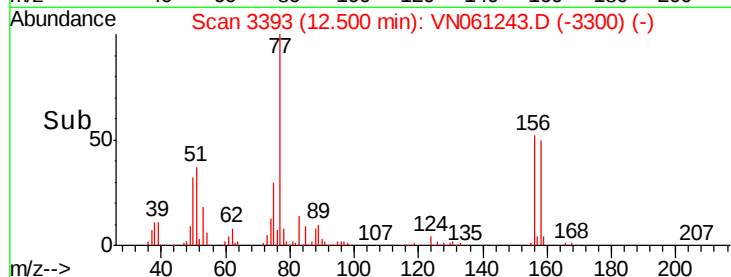
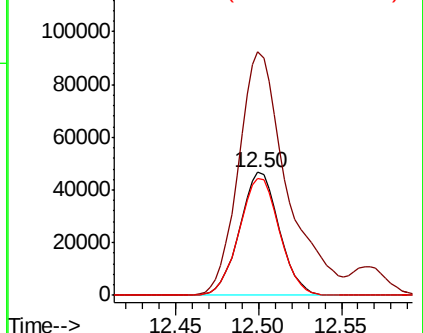
158 96.9 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.098 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061243.D

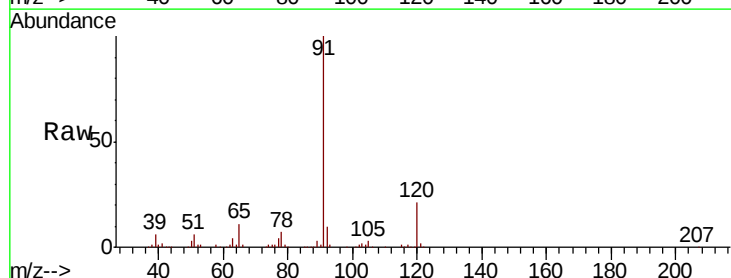
Acq: 1 May 2020 20:09

Tgt Ion: 91 Resp: 414437

Ion Ratio Lower Upper

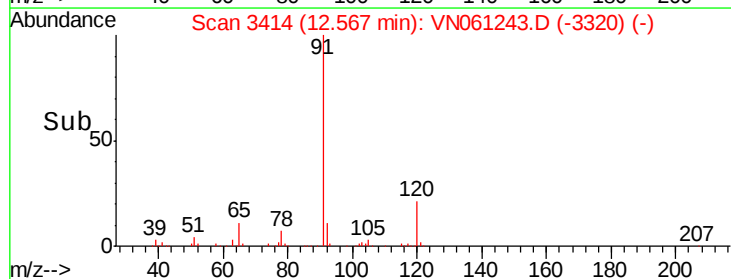
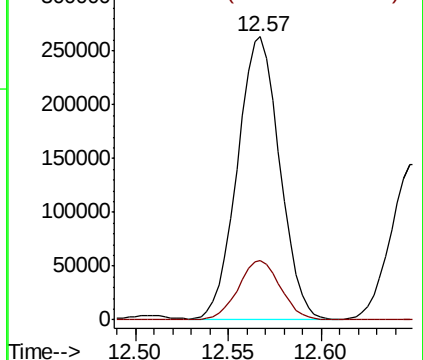
91 100

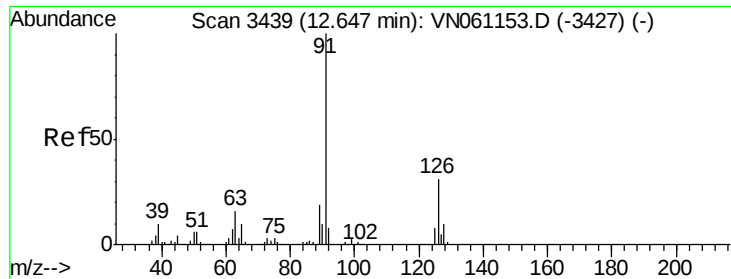
120 21.0 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

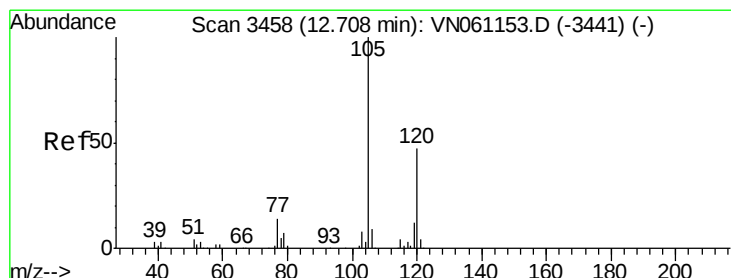
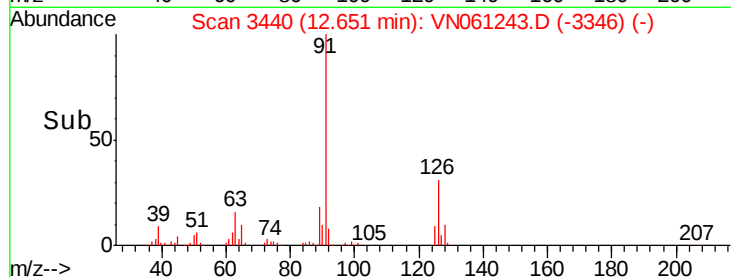
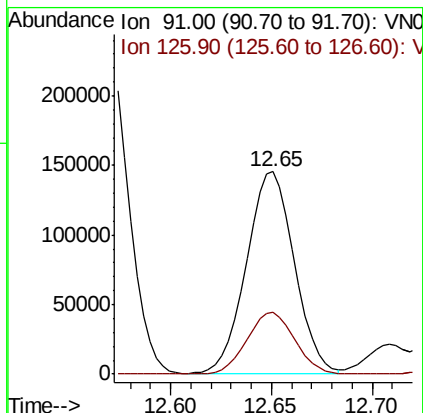
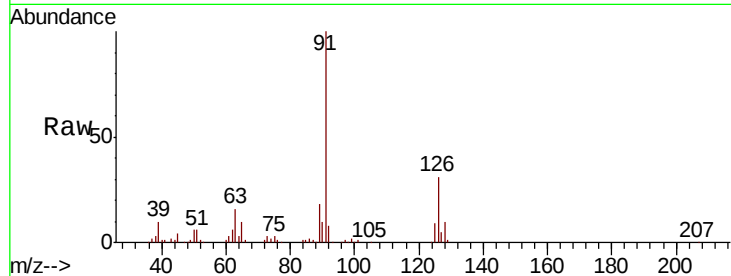




#79
 2-Chlorotoluene
 Concen: 52.428 ug/l
 RT: 12.65 min Scan# 3440
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

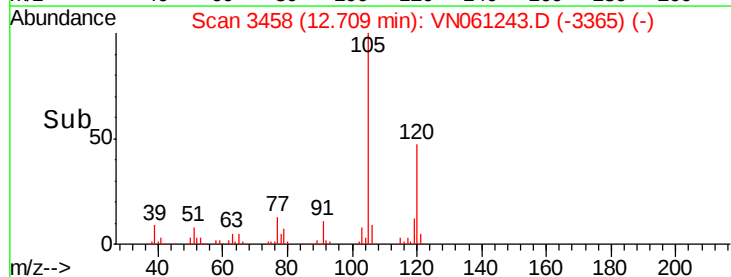
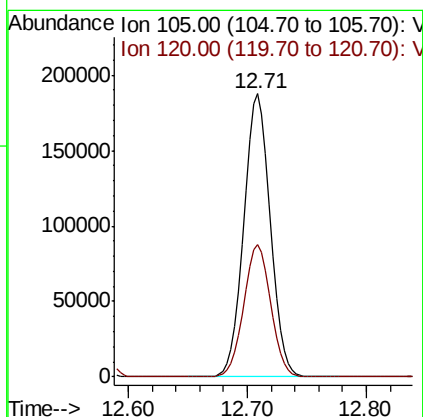
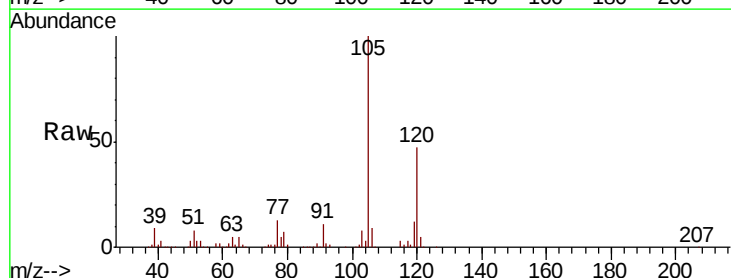
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

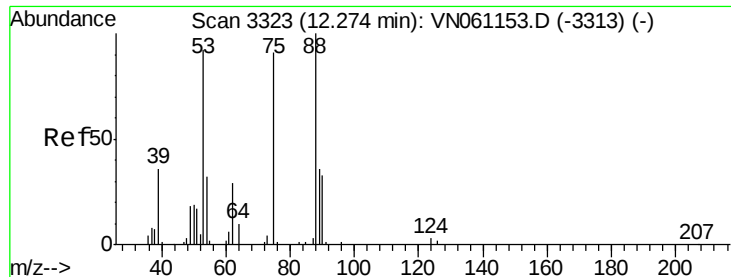
Tot Ion: 91 Resp: 240524
 Ion Ratio Lower Upper
 91 100
 126 30.8 15.9 47.7



#80
 1,3,5-Trimethylbenzene
 Concen: 53.074 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion: 105 Resp: 289059
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 51.950 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

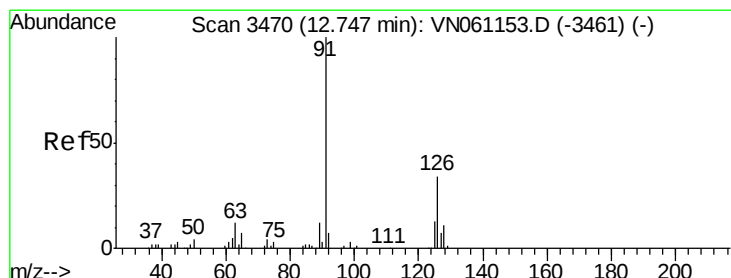
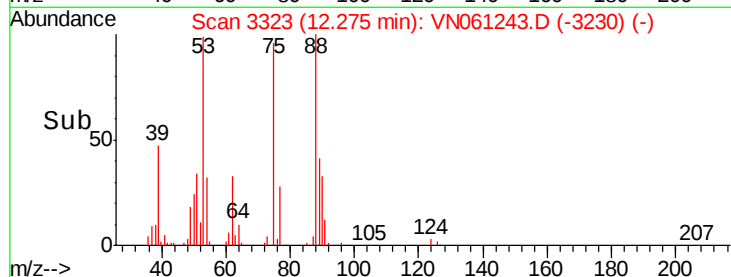
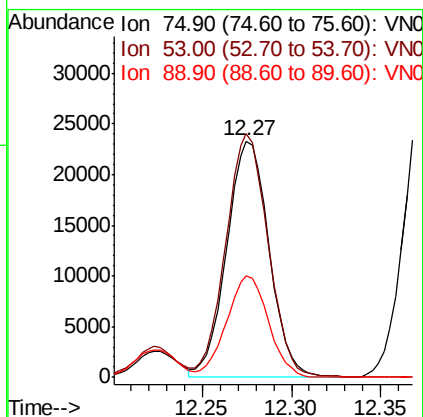
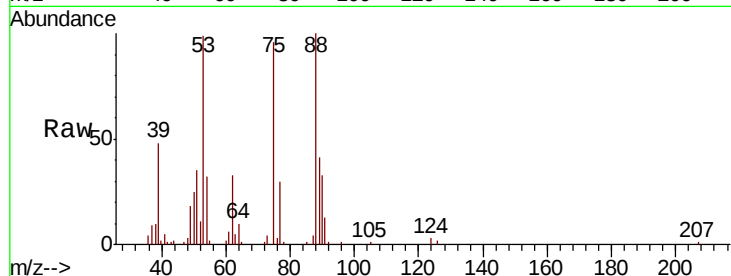
Tot Ion: 75 Resp: 38605

Ion Ratio Lower Upper

75 100

53 103.1 84.1 126.1

89 42.4 35.2 52.8



#82

4-Chlorotoluene

Concen: 52.270 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061243.D

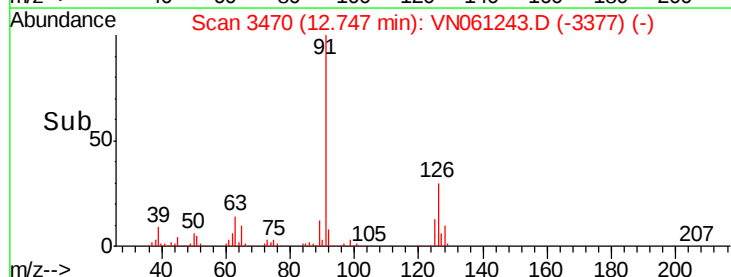
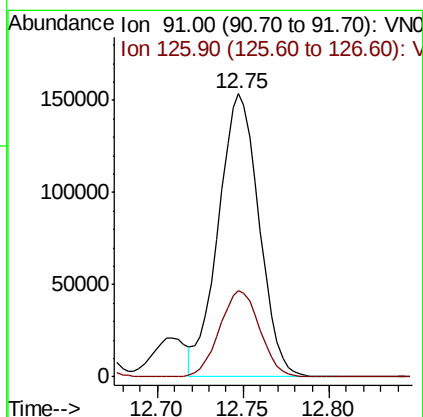
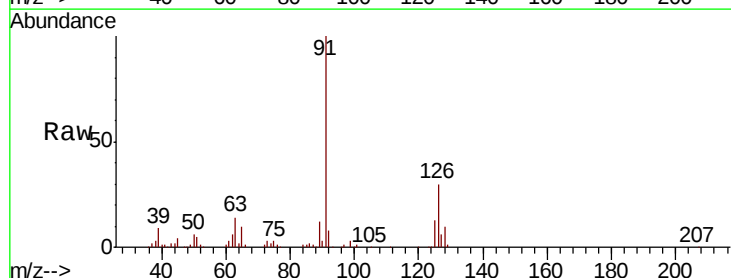
Acq: 1 May 2020 20:09

Tgt Ion: 91 Resp: 252736

Ion Ratio Lower Upper

91 100

126 30.4 15.7 47.1

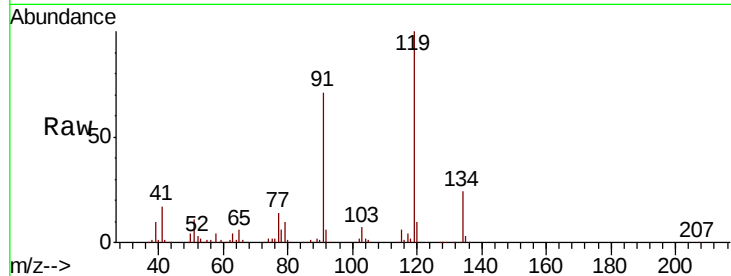




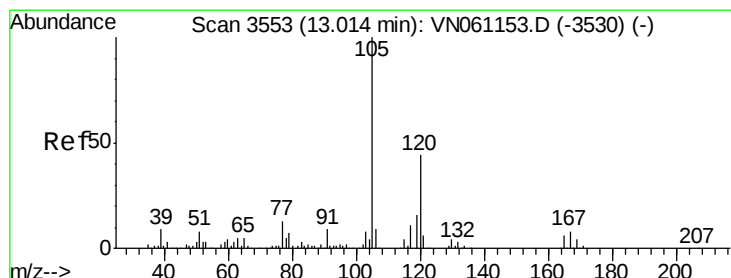
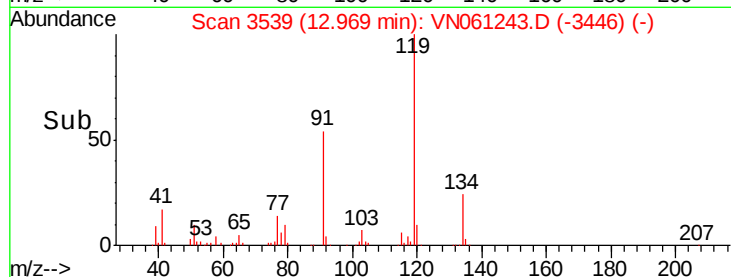
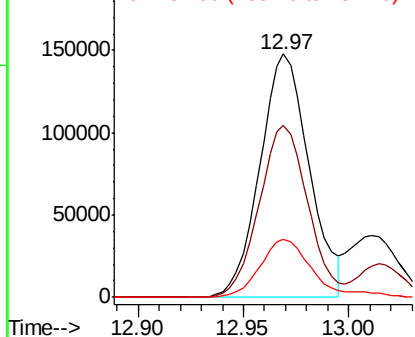
#83
tert-Butylbenzene
Concen: 52.298 ug/l
RT: 12.97 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.9	34.8	104.4
134	25.3	12.9	38.7

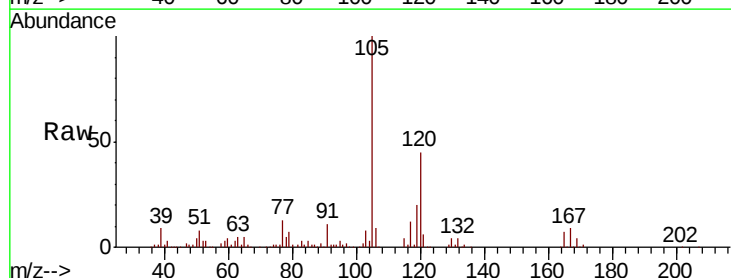


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

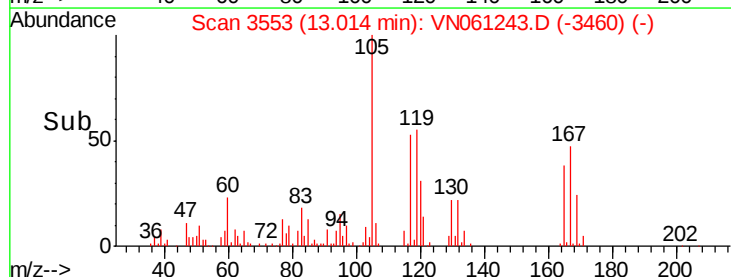
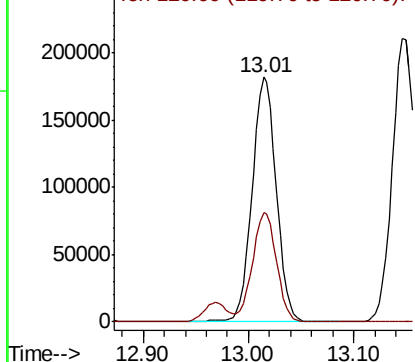


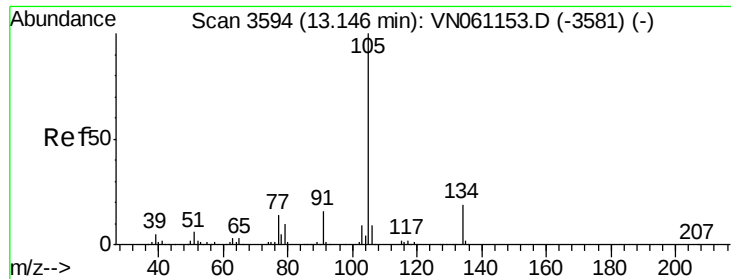
#84
1,2,4-Trimethylbenzene
Concen: 51.810 ug/l
RT: 13.01 min Scan# 3553
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.2	66.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.970 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

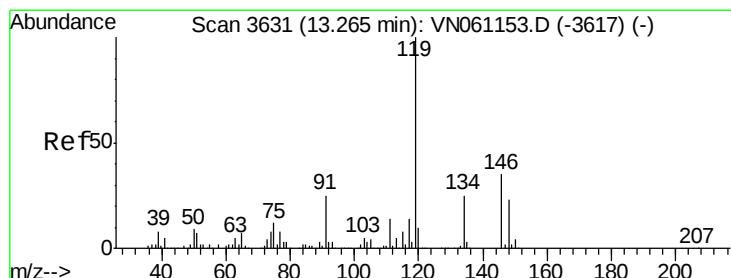
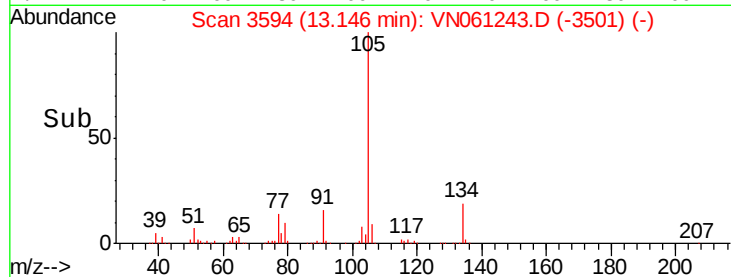
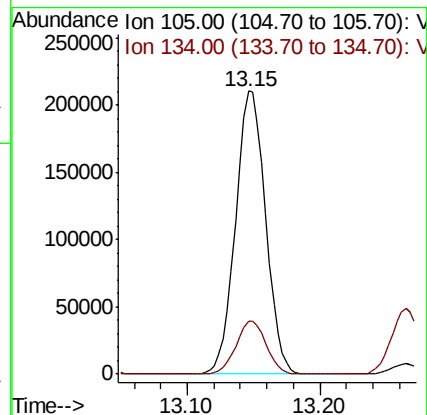
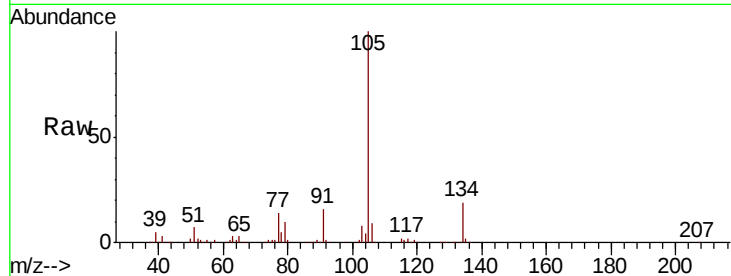
BP-VPB180-GW-803-805MSD

Tot Ion:105 Resp: 331655

Ion Ratio Lower Upper

105 100

134 18.8 9.6 28.8



#86

p-Isopropyltoluene

Concen: 52.458 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

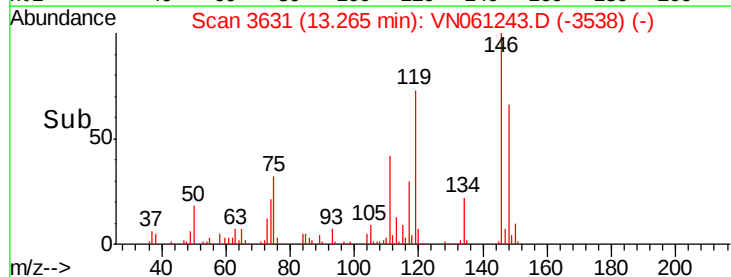
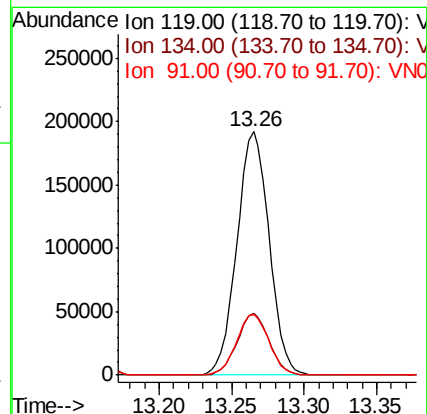
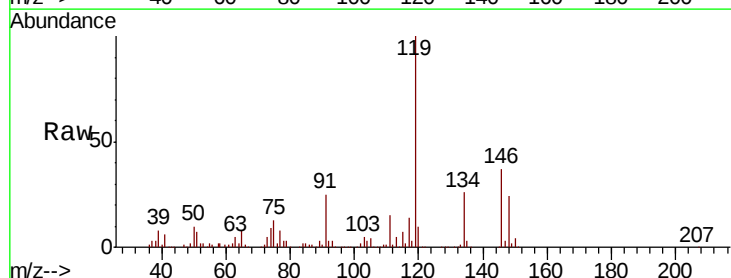
Tgt Ion:119 Resp: 295928

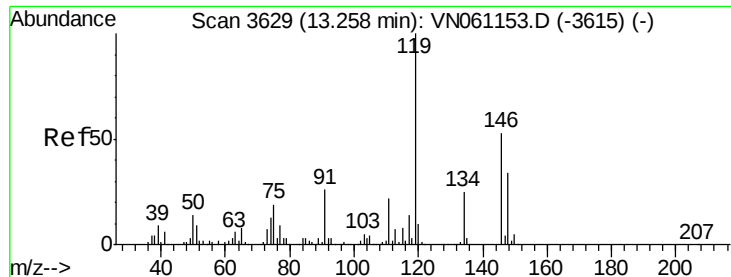
Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.6

91 25.2 12.7 38.0

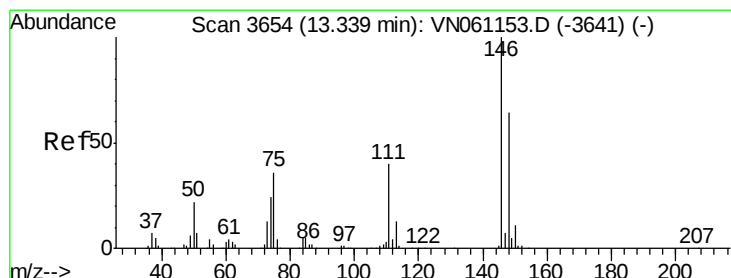
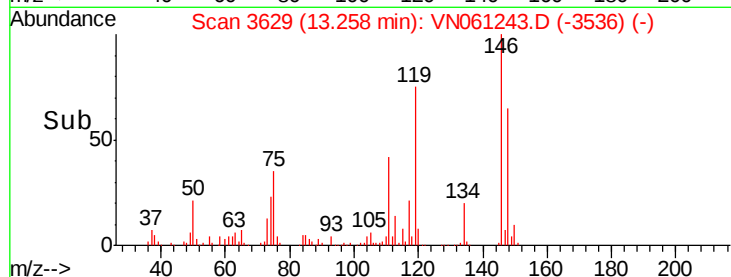
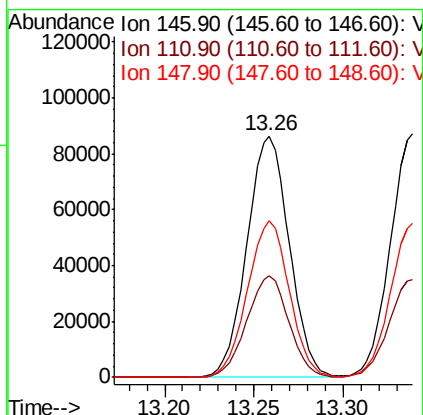
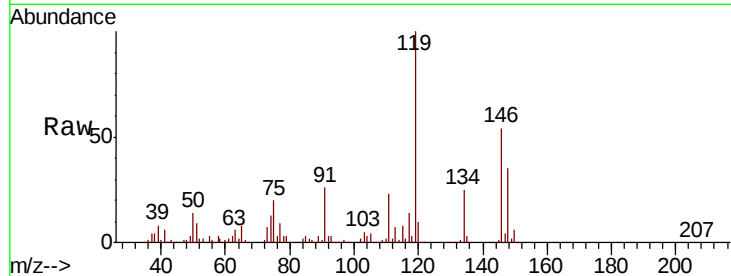




#87
 1,3-Dichlorobenzene
 Concen: 51.270 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

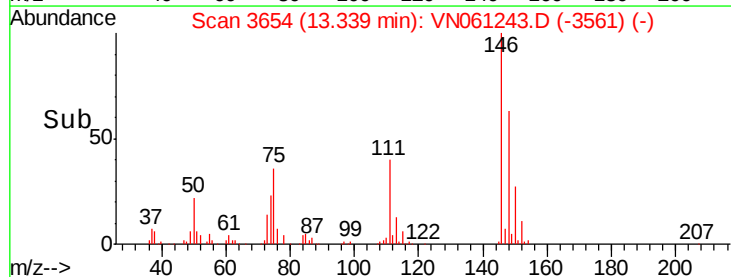
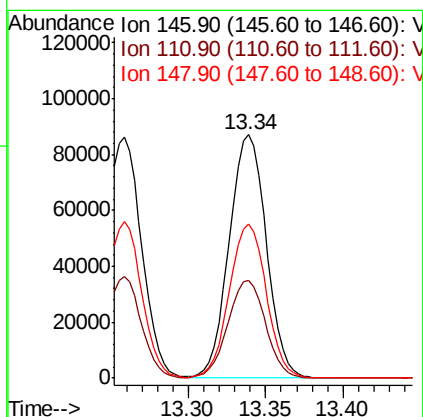
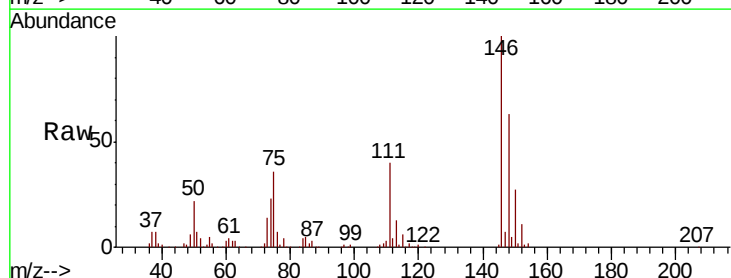
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

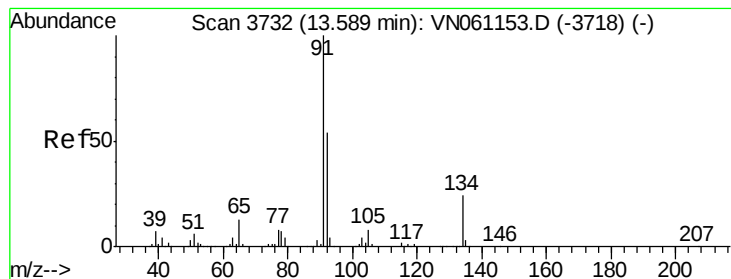
Tot Ion:146 Resp: 143375
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.7 62.1
 148 64.1 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 50.848 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion:146 Resp: 145286
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.4 61.3
 148 63.2 31.9 95.7





#89

n-Butylbenzene

Concen: 52.520 ug/l

RT: 13.59 min Scan# 3732

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

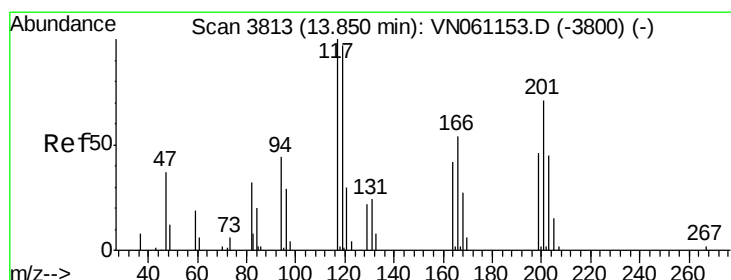
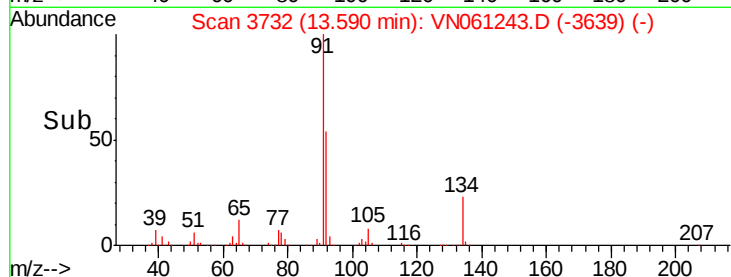
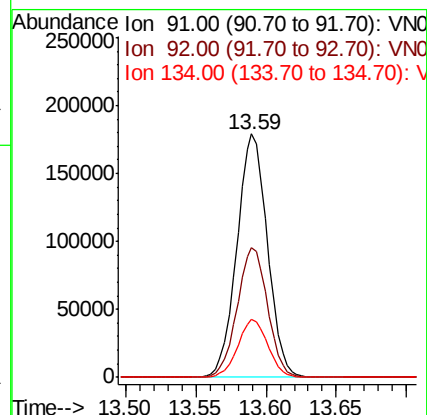
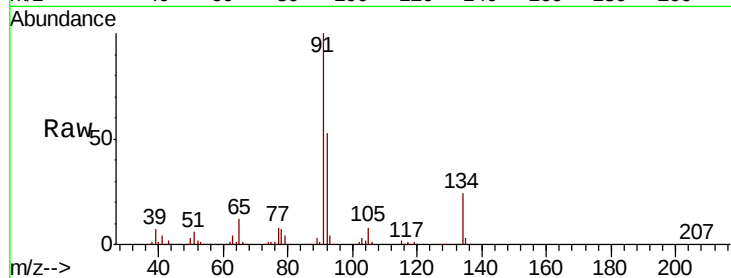
Tot Ion: 91 Resp: 271613

Ion Ratio Lower Upper

91 100

92 53.0 26.8 80.3

134 23.3 11.9 35.5



#90

Hexachloroethane

Concen: 54.494 ug/l

RT: 13.85 min Scan# 3813

Delta R.T. 0.00 min

Lab File: VN061243.D

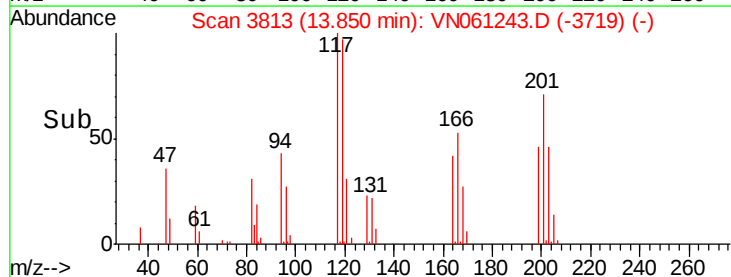
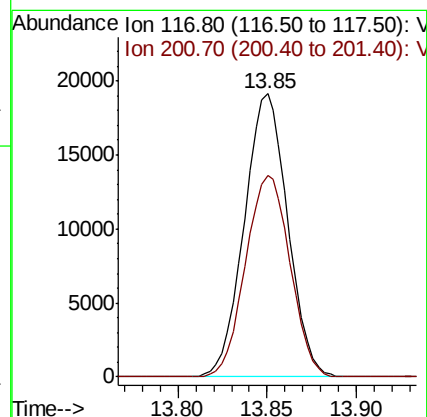
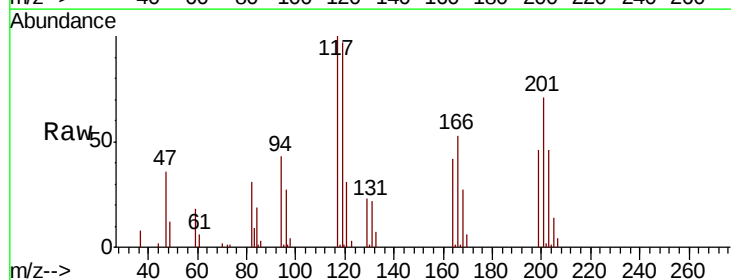
Acq: 1 May 2020 20:09

Tgt Ion: 117 Resp: 32541

Ion Ratio Lower Upper

117 100

201 72.9 35.5 106.7

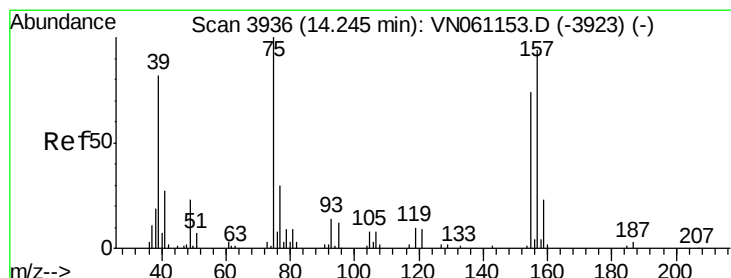
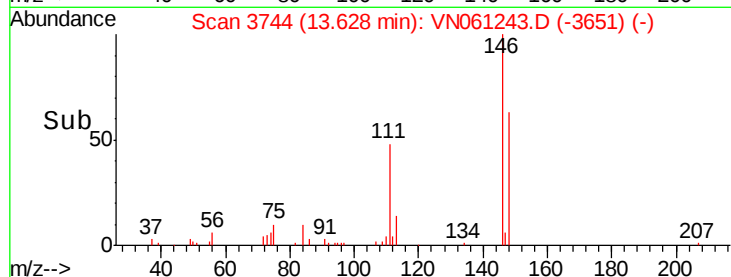
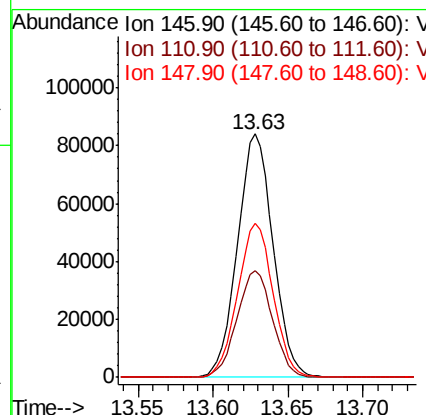
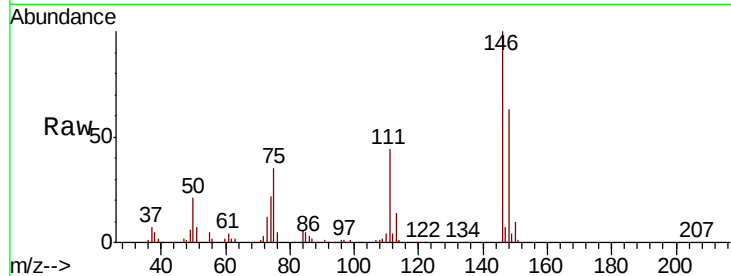




#91
 1,2-Dichlorobenzene
 Concen: 51.904 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

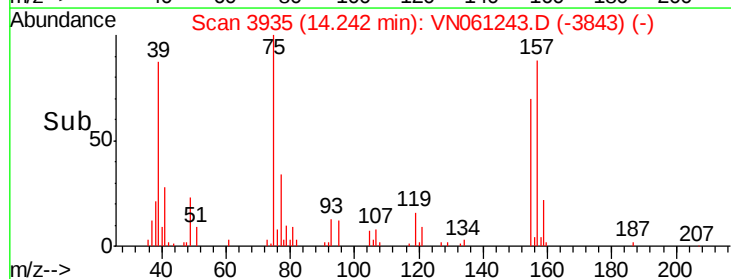
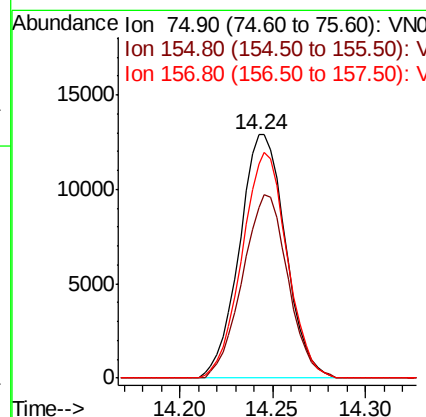
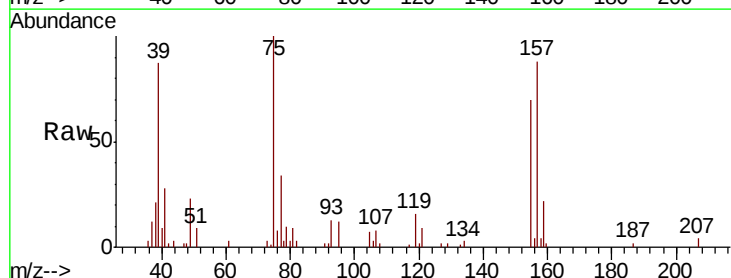
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

Tot Ion:146 Resp: 139174
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.8 65.3
 148 63.2 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.480 ug/l
 RT: 14.24 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion: 75 Resp: 22309
 Ion Ratio Lower Upper
 75 100
 155 74.3 36.5 109.7
 157 90.7 46.6 139.7

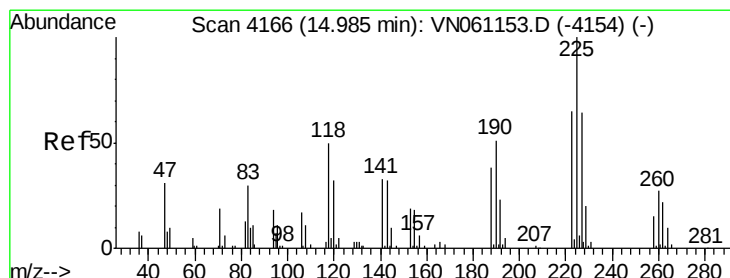
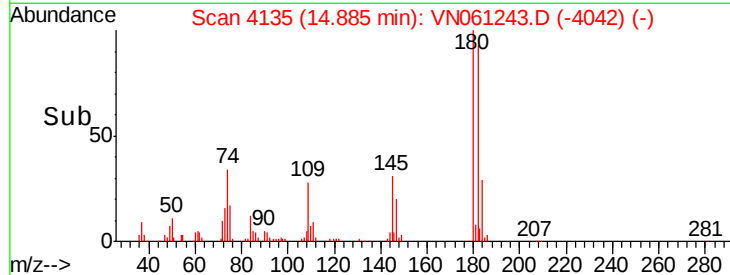
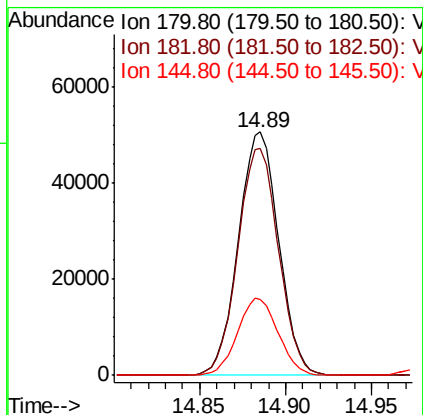
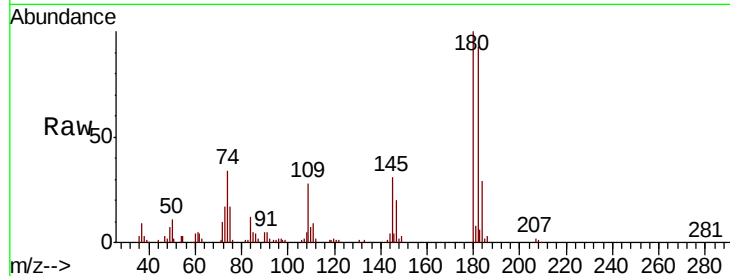




#93
 1,2,4-Trichlorobenzene
 Concen: 50.608 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

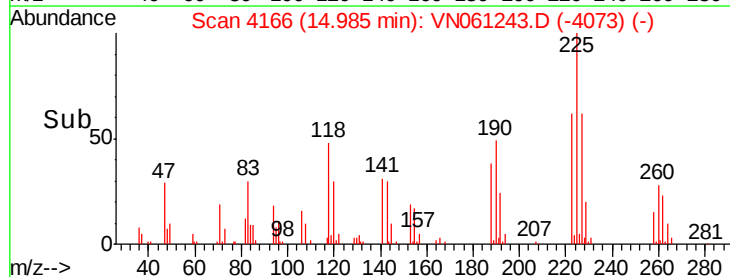
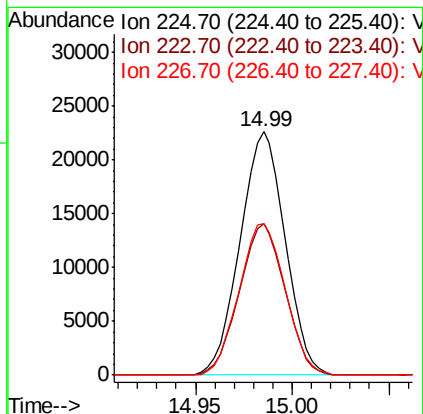
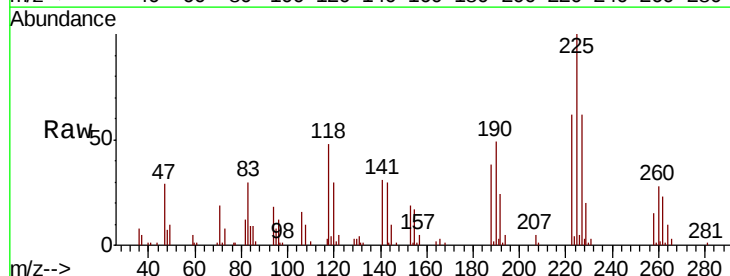
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

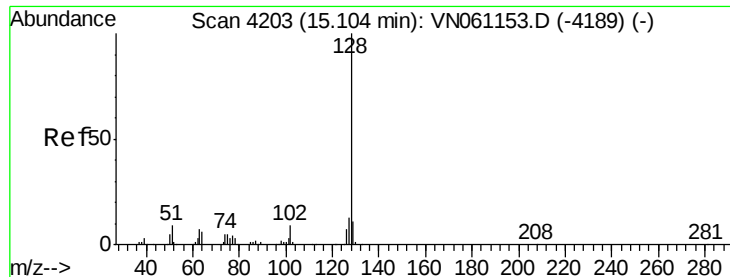
Tot Ion:180 Resp: 82634
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.3 141.9
 145 31.9 16.0 47.9



#94
 Hexachlorobutadiene
 Concen: 53.785 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion:225 Resp: 36689
 Ion Ratio Lower Upper
 225 100
 223 62.9 32.4 97.0
 227 63.9 32.4 97.0

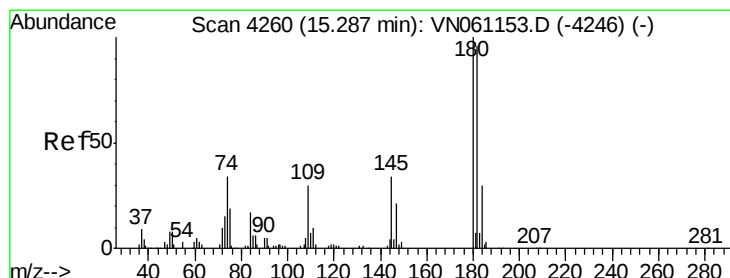
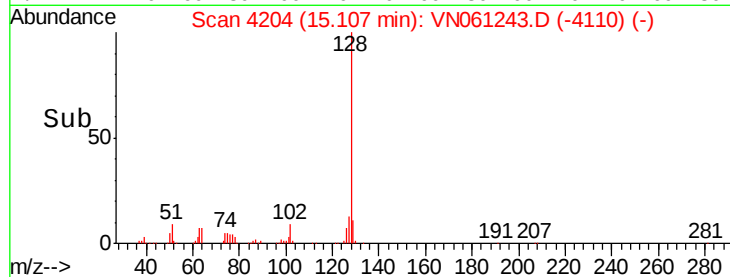
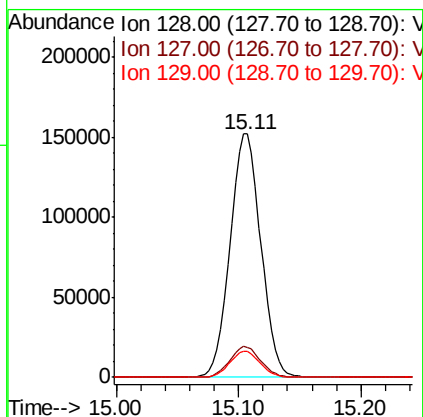
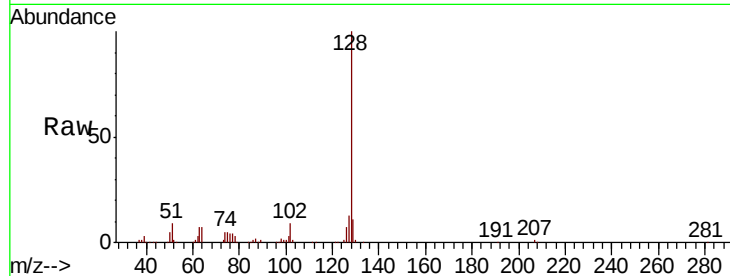




#95
Naphthalene
Concen: 50.234 ug/l
RT: 15.11 min Scan# 4204
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion:128 Resp: 267125
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.007 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion:180 Resp: 82227
Ion Ratio Lower Upper
180 100
182 93.7 47.5 142.5
145 33.3 16.9 50.7

