

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082620\
 Data File : VN063143.D
 Acq On : 26 Aug 2020 19:23
 Operator : JC/MD
 Sample : L3783-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Quant Time: Aug 27 00:56:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	192005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	293264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	269859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	114475	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	7.55	113	98212	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
50) Toluene-d8	10.06	98	374945	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.38	95	134794	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	107249	42.794	ug/l	99
3) Chloromethane	2.03	50	123437	46.887	ug/l	100
4) Vinyl Chloride	2.17	62	123820	48.633	ug/l	97
5) Bromomethane	2.54	94	71329	47.201	ug/l	98
6) Chloroethane	2.68	64	74658	49.666	ug/l	99
7) Trichlorofluoromethane	2.99	101	153131	48.230	ug/l	99
8) Diethyl Ether	3.38	74	52917	47.112	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	78193	45.704	ug/l	98
10) Methyl Iodide	3.91	142	106327	49.031	ug/l	100
11) Tert butyl alcohol	4.74	59	64644	200.552	ug/l #	85
12) 1,1-Dichloroethene	3.70	96	72699	44.606	ug/l	95
13) Acrolein	3.57	56	1128	11.171	ug/l #	24
14) Allyl chloride	4.28	41	131941	45.914	ug/l	98
15) Acrylonitrile	4.93	53	203877	215.198	ug/l	99
16) Acetone	3.78	43	163347	229.872	ug/l	98
17) Carbon Disulfide	4.02	76	169896	39.804	ug/l	100
18) Methyl Acetate	4.28	43	95436	42.201	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	278424	48.985	ug/l	99
20) Methylene Chloride	4.51	84	89560	44.492	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	76179	44.664	ug/l	99
22) Diisopropyl ether	5.90	45	304960	46.765	ug/l	99
23) Vinyl Acetate	5.85	43	903819	205.390	ug/l	98
24) 1,1-Dichloroethane	5.80	63	163824	44.957	ug/l	98
25) 2-Butanone	6.79	43	267039	221.035	ug/l	98
26) 2,2-Dichloropropane	6.78	77	132418	46.206	ug/l	99
27) cis-1,2-Dichloroethene	6.79	96	101868	47.650	ug/l	99
28) Bromochloromethane	7.15	49	38346	20.112	ug/l	99
29) Tetrahydrofuran	7.17	42	176297	226.101	ug/l	99
30) Chloroform	7.33	83	175017	47.689	ug/l	98
31) Cyclohexane	7.62	56	146823	43.776	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	141740	47.307	ug/l	98
36) 1,1-Dichloropropene	7.75	75	115751	44.788	ug/l	99
37) Ethyl Acetate	6.88	43	103087	42.570	ug/l	100
38) Carbon Tetrachloride	7.73	117	117369	44.984	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	122709	35.632	ug/l	97
40) Benzene	8.00	78	378995	46.237	ug/l	99
41) Methacrylonitrile	7.12	41	53210	46.118	ug/l	95
42) 1,2-Dichloroethane	8.09	62	125033	45.429	ug/l	98
43) Isopropyl Acetate	8.13	43	178807	44.569	ug/l	98
44) Trichloroethene	8.80	130	94656	46.425	ug/l	97
45) 1,2-Dichloropropane	9.08	63	112362	47.423	ug/l	100
46) Dibromomethane	9.17	93	64398	47.048	ug/l	98
47) Bromodichloromethane	9.37	83	143777	47.959	ug/l	100
48) Methyl methacrylate	9.17	41	91183	48.036	ug/l	98
49) 1,4-Dioxane	9.17	88	33528	805.681	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	588369	232.020	ug/l	100
52) Toluene	10.13	92	236872	47.905	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	152551	49.207	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	164591	48.397	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	100325	47.452	ug/l	99
56) Ethyl methacrylate	10.40	69	146562	45.061	ug/l	100
57) 1,3-Dichloropropane	10.68	76	167923	47.830	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.81	63	769	13.121	ug/l #	49
59) 2-Hexanone	10.72	43	413220	233.613	ug/l	99
60) Dibromochloromethane	10.88	129	111185	47.519	ug/l	100
61) 1,2-Dibromoethane	10.98	107	97159	47.826	ug/l	99
64) Tetrachloroethene	10.61	164	92552	52.174	ug/l	98
65) Chlorobenzene	11.41	112	261662	48.279	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	103410	49.055	ug/l	99
67) Ethyl Benzene	11.49	91	459621	50.189	ug/l	99
68) m/p-Xylenes	11.60	106	339817	99.839	ug/l	99
69) o-Xylene	11.92	106	166391	50.908	ug/l	99
70) Styrene	11.94	104	289205	44.796	ug/l	99
71) Bromoform	12.10	173	82070	48.911	ug/l #	99
73) Isopropylbenzene	12.23	105	436719	48.720	ug/l	100
74) N-amyl acetate	12.05	43	168642	52.530	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	140470	48.513	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	178075	69.989	ug/l #	100
77) Bromobenzene	12.50	156	119951	48.656	ug/l	99
78) n-propylbenzene	12.57	91	498563	48.797	ug/l	100
79) 2-Chlorotoluene	12.65	91	306056	47.625	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	360954	48.712	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	48147	51.972	ug/l	99
82) 4-Chlorotoluene	12.75	91	326382	49.877	ug/l	100
83) tert-Butylbenzene	12.97	119	294298	46.016	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	370965	51.389	ug/l	99
85) sec-Butylbenzene	13.15	105	374495	43.327	ug/l	100
86) p-Isopropyltoluene	13.26	119	342495	45.476	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	205692	48.549	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	208240	48.425	ug/l	100
89) n-Butylbenzene	13.59	91	278847	39.671	ug/l	99
90) Hexachloroethane	13.85	117	60564	37.835	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	204465	49.960	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	25221	55.868	ug/l	99

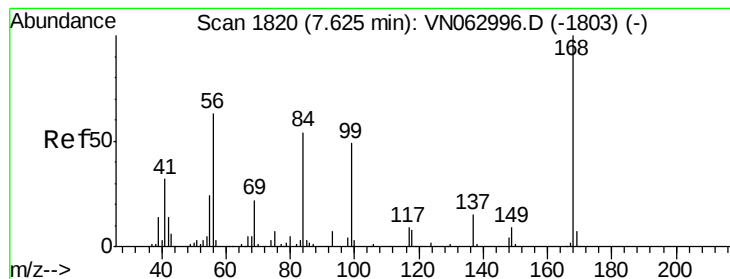
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	117742	51.729	ug/l	99
94) Hexachlorobutadiene	14.98	225	40941	27.072	ug/l	96
95) Naphthalene	15.10	128	348044	64.763	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	115111	51.622	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

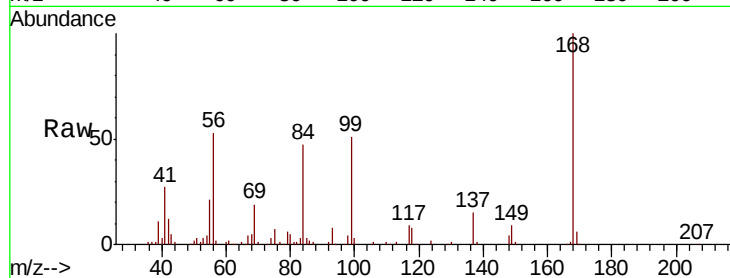
BP-VPB181-GW-498-500MS

Tot Ion:168 Resp: 192005

Ion Ratio Lower Upper

168 100

99 51.1 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

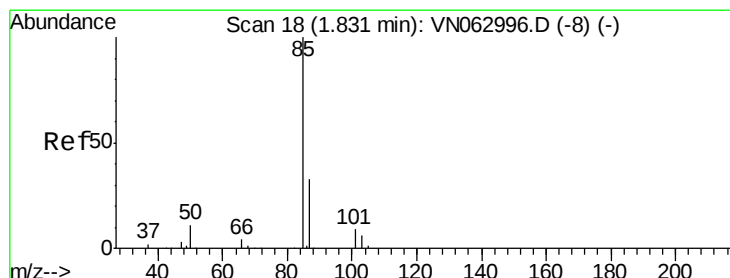
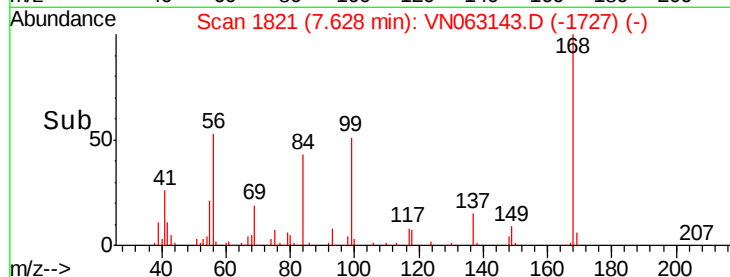
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 42.794 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN063143.D

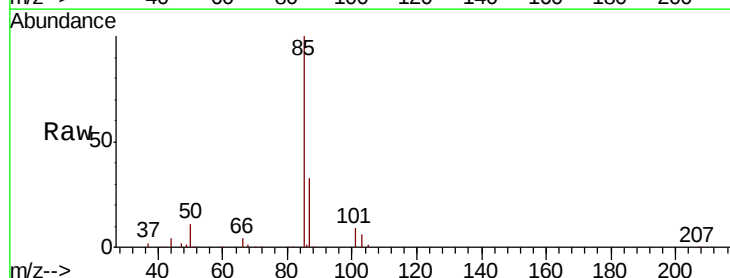
Acq: 26 Aug 2020 19:23

Tgt Ion: 85 Resp: 107249

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

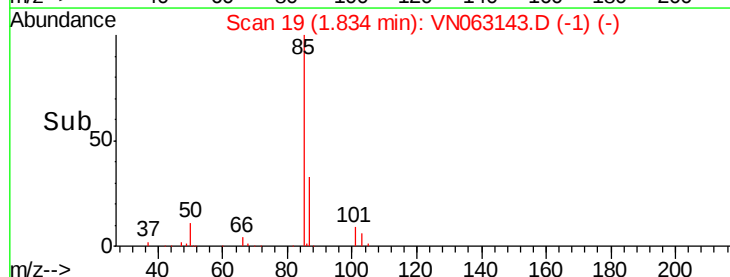
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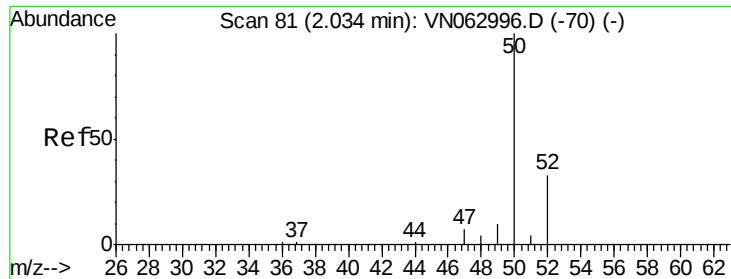
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 46.887 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

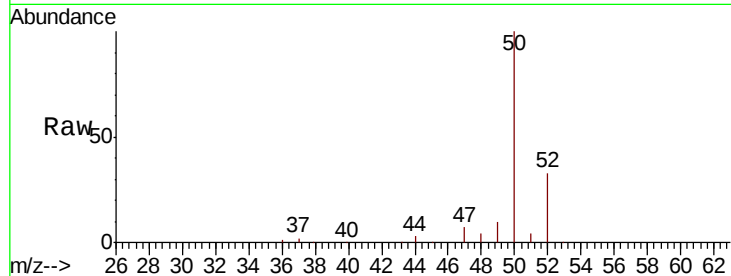
BP-VPB181-GW-498-500MS

Tot Ion: 50 Resp: 123437

Ion Ratio Lower Upper

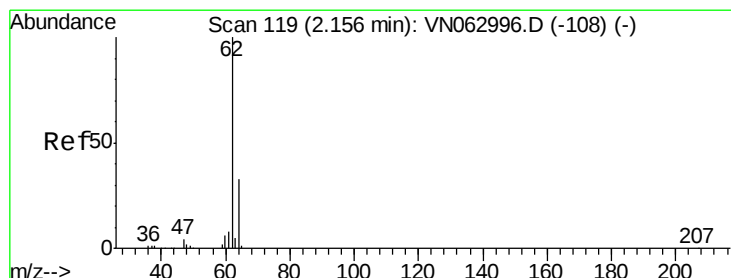
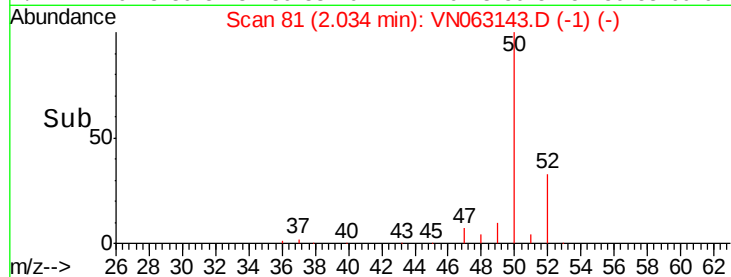
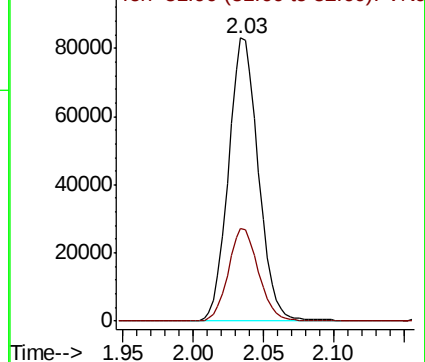
50 100

52 32.6 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.633 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN063143.D

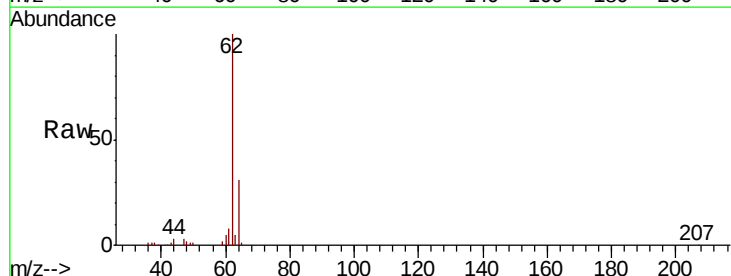
Acq: 26 Aug 2020 19:23

Tgt Ion: 62 Resp: 123820

Ion Ratio Lower Upper

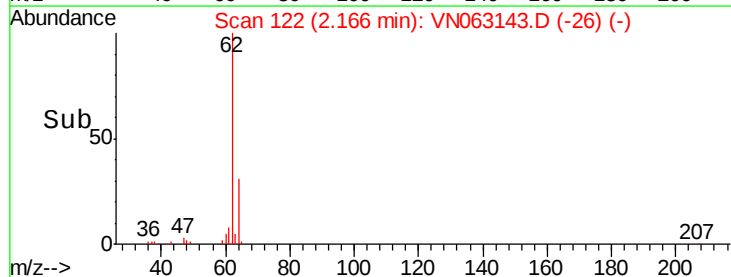
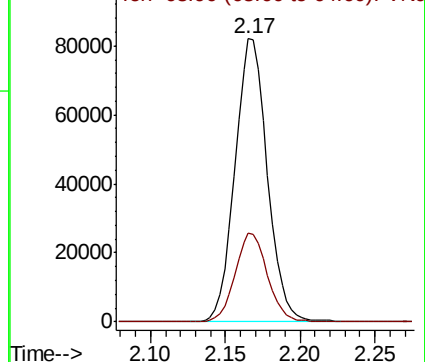
62 100

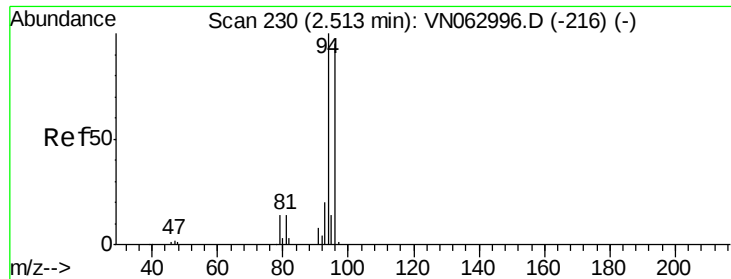
64 31.2 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 47.201 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.03 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

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ClientSampleId :

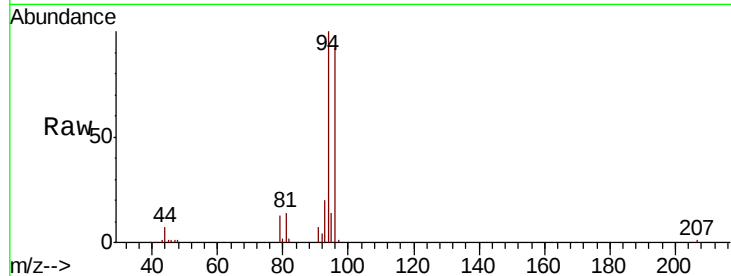
BP-VPB181-GW-498-500MS

Tot Ion: 94 Resp: 71329

Ion Ratio Lower Upper

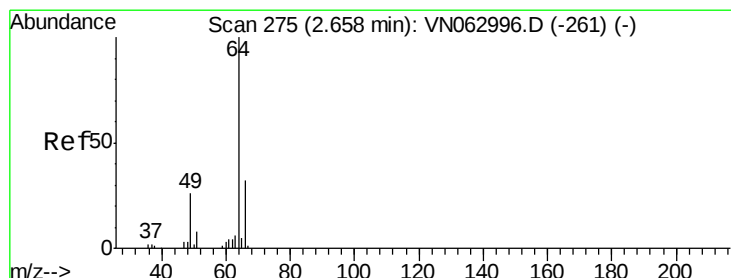
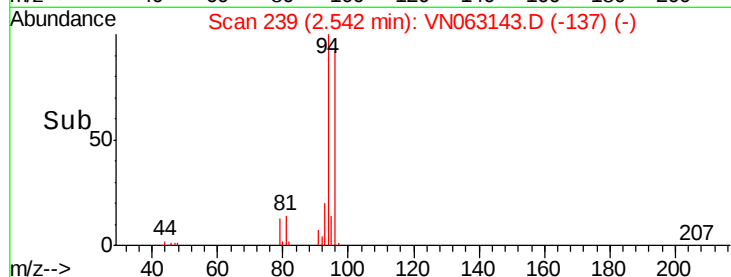
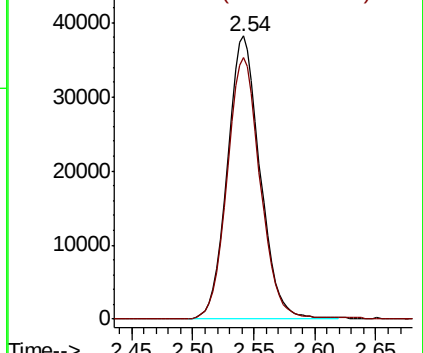
94 100

96 92.4 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.666 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.02 min

Lab File: VN063143.D

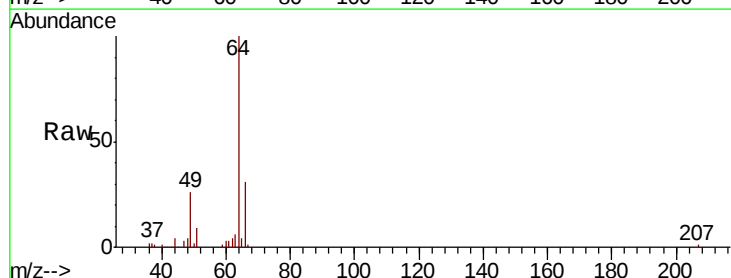
Acq: 26 Aug 2020 19:23

Tgt Ion: 64 Resp: 74658

Ion Ratio Lower Upper

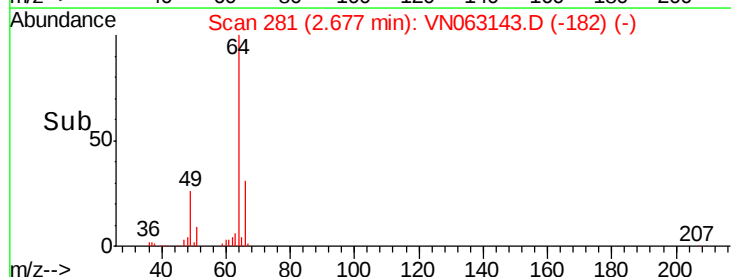
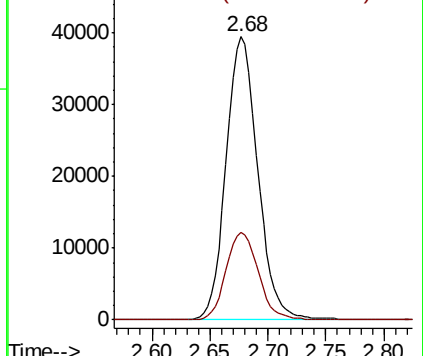
64 100

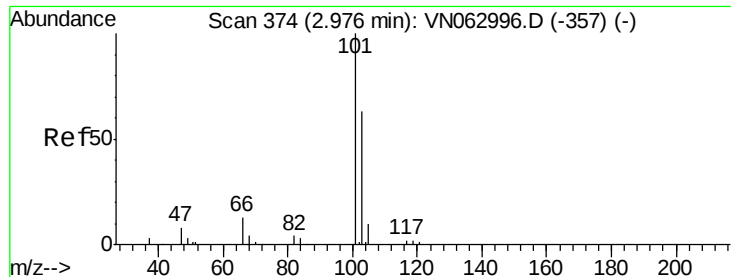
66 31.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



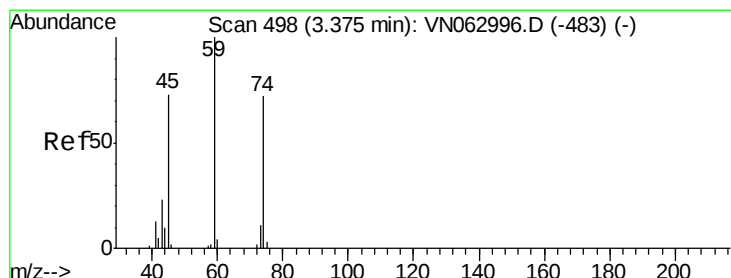
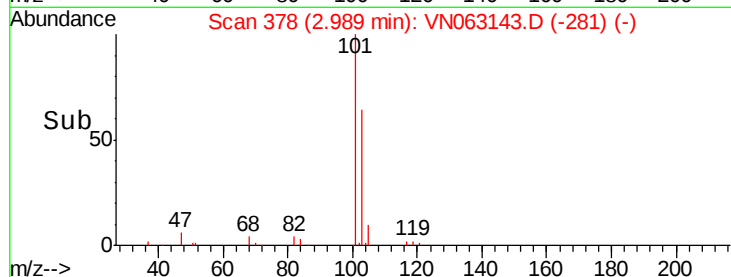
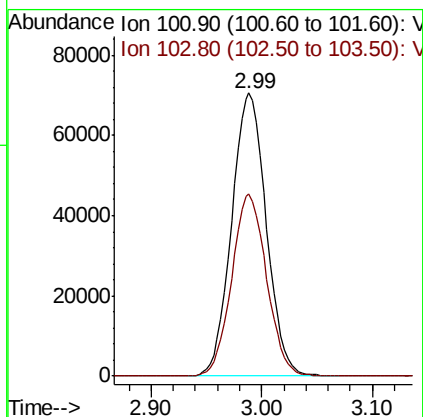
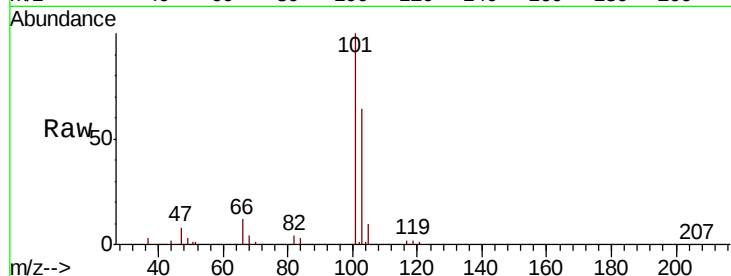


#7

Trichlorofluoromethane
 Concen: 48.230 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. 0.01 min
 Lab File: VN063143.D
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 BP-VPB181-GW-498-500MS

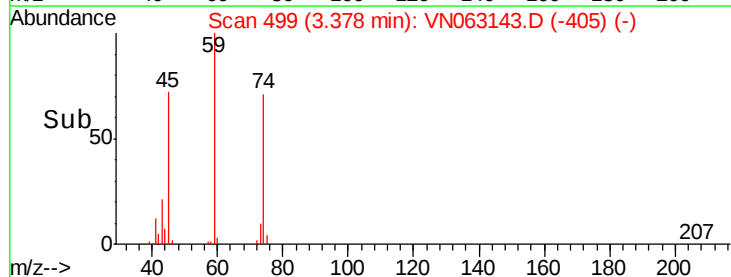
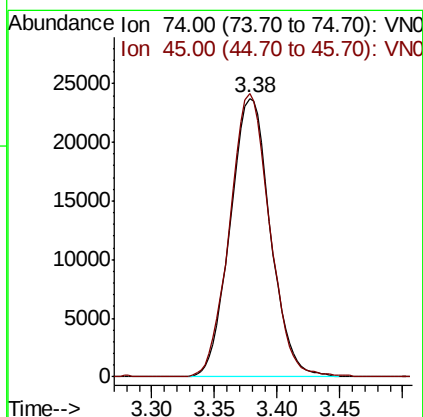
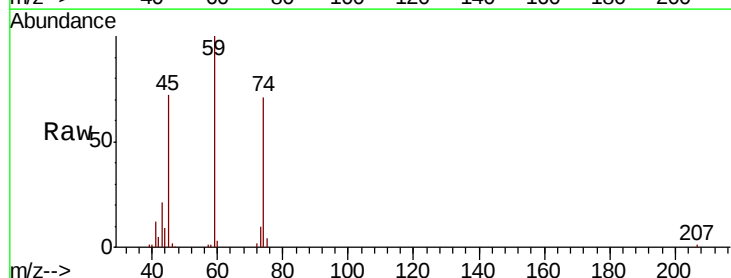
Tot Ion:101 Resp: 153131
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.5 75.7

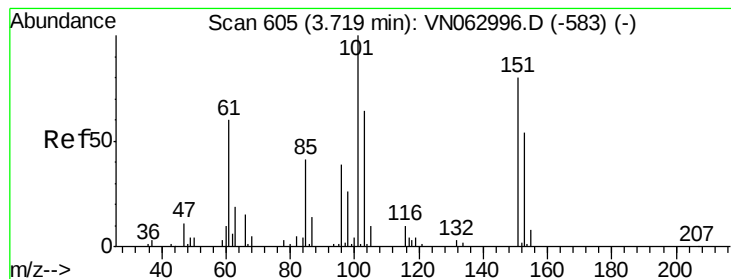


#8

Diethyl Ether
 Concen: 47.112 ug/l
 RT: 3.38 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Tgt Ion: 74 Resp: 52917
 Ion Ratio Lower Upper
 74 100
 45 101.6 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.704 ug/l

RT: 3.72 min Scan# 607

Delta R.T. 0.01 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

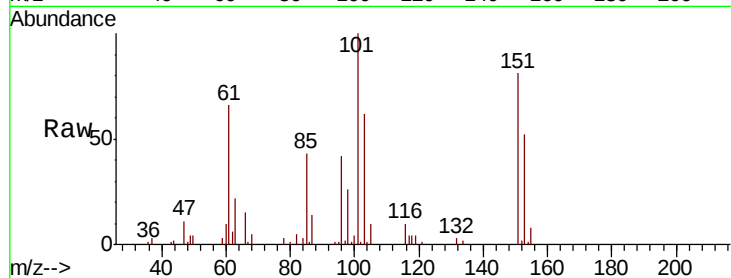
Tot Ion:101 Resp: 78193

Ion Ratio Lower Upper

101 100

85 42.8 34.0 51.0

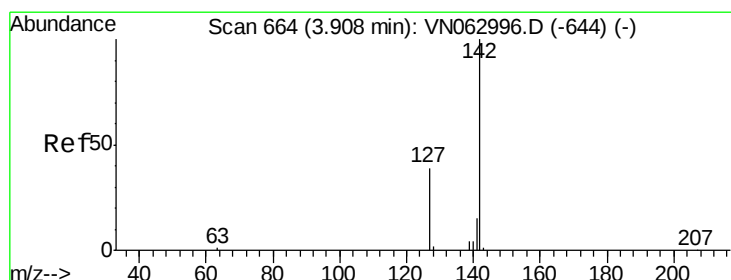
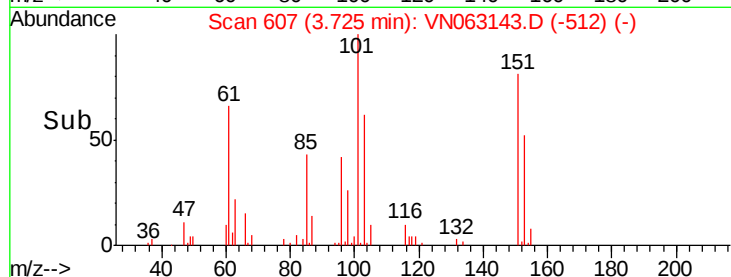
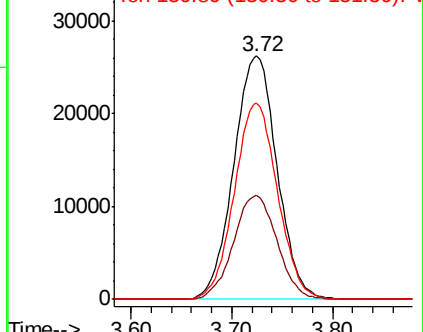
151 80.3 65.8 98.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.031 ug/l

RT: 3.91 min Scan# 666

Delta R.T. 0.01 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

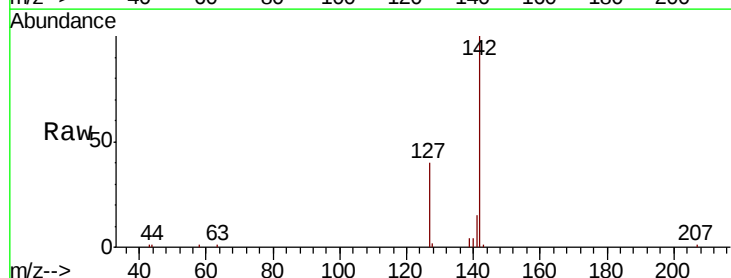
Tgt Ion:142 Resp: 106327

Ion Ratio Lower Upper

142 100

127 40.6 32.2 48.4

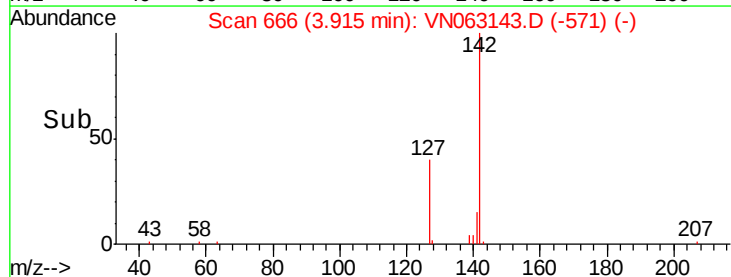
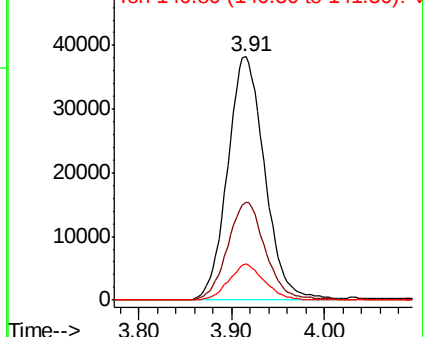
141 14.2 11.3 16.9

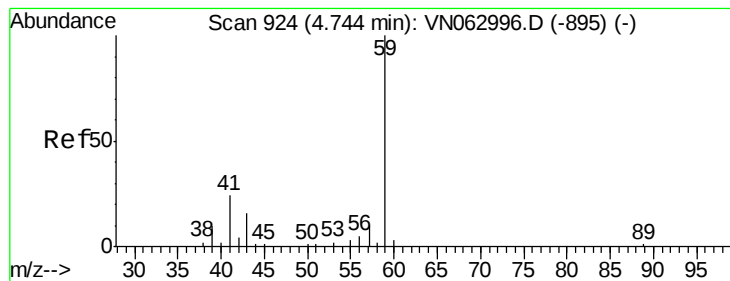


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



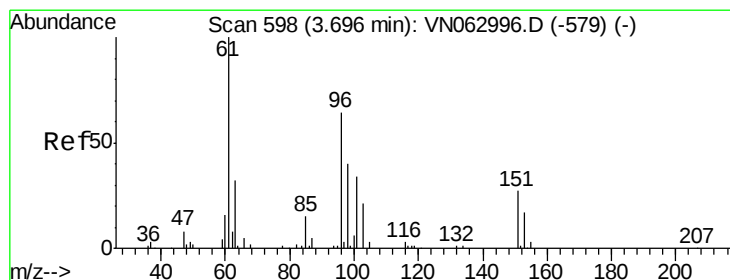
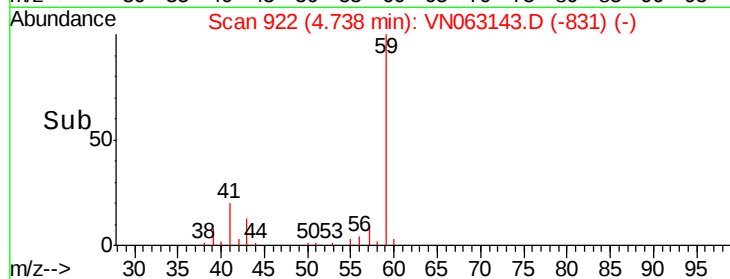
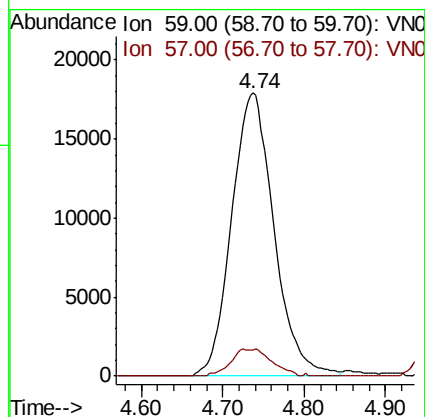
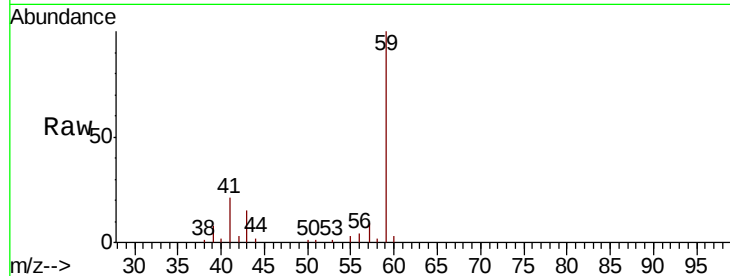


#11

Tert butyl alcohol
 Concen: 200.552 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

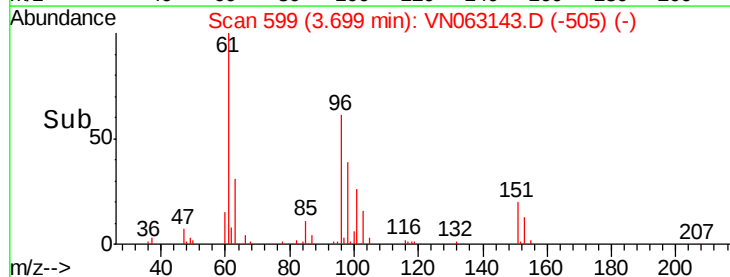
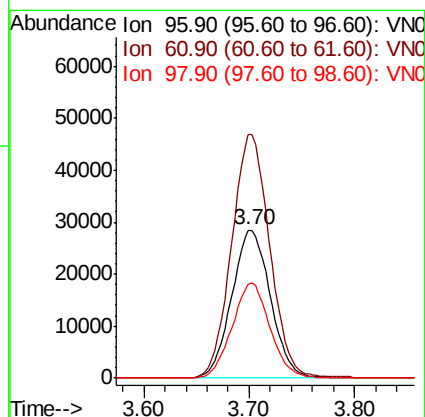
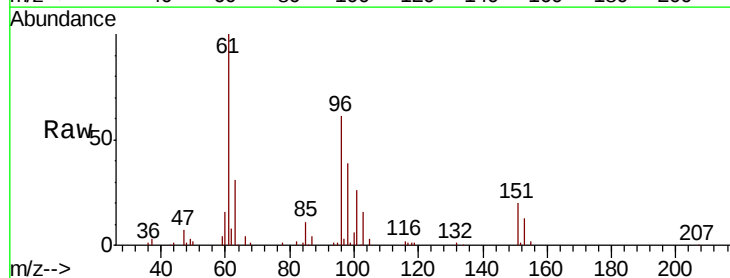
Tot Ion: 59 Resp: 64644
 Ion Ratio Lower Upper
 59 100
 57 4.2 7.8 11.6#

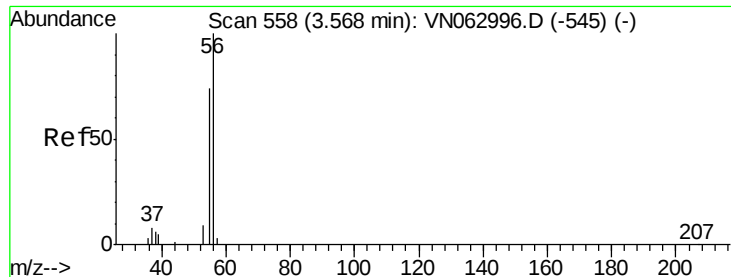


#12

1,1-Dichloroethene
 Concen: 44.606 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Tgt Ion: 96 Resp: 72699
 Ion Ratio Lower Upper
 96 100
 61 164.8 125.5 188.3
 98 63.7 50.4 75.6





#13

Acrolein

Concen: 11.171 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

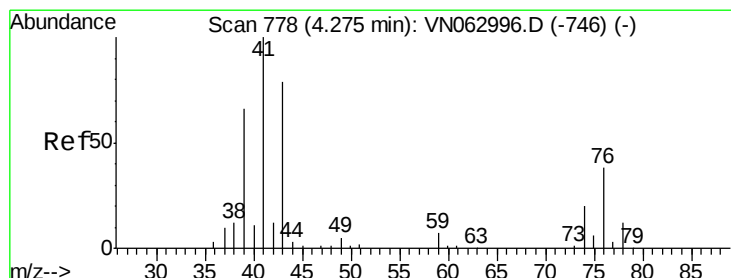
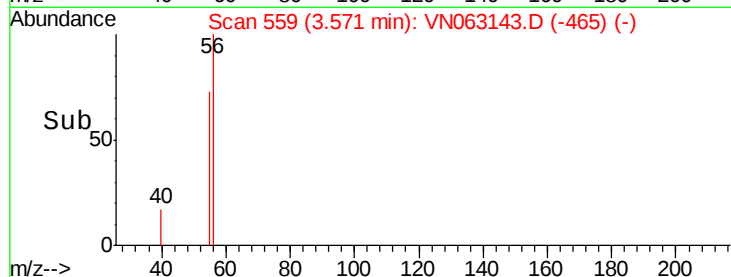
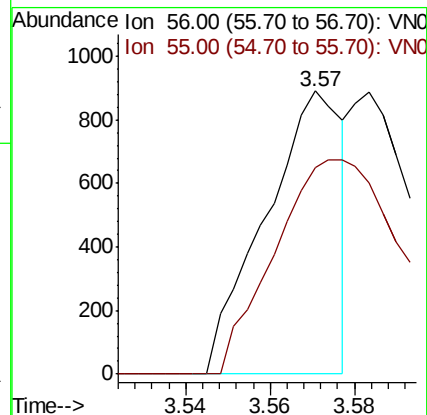
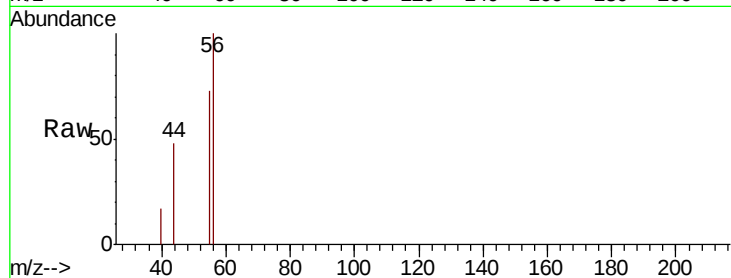
BP-VPB181-GW-498-500MS

Tot Ion: 56 Resp: 1128

Ion Ratio Lower Upper

56 100

55 137.0 58.4 87.6#



#14

Allyl chloride

Concen: 45.914 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

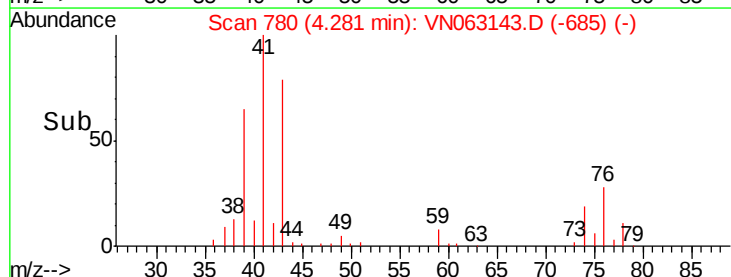
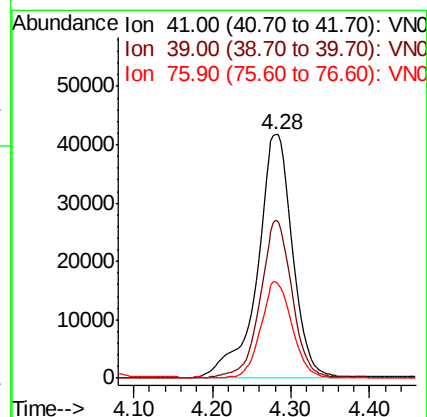
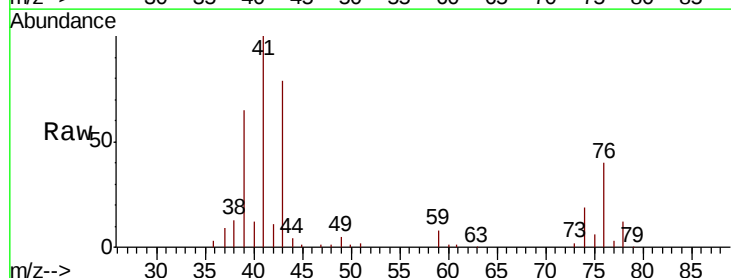
Tgt Ion: 41 Resp: 131941

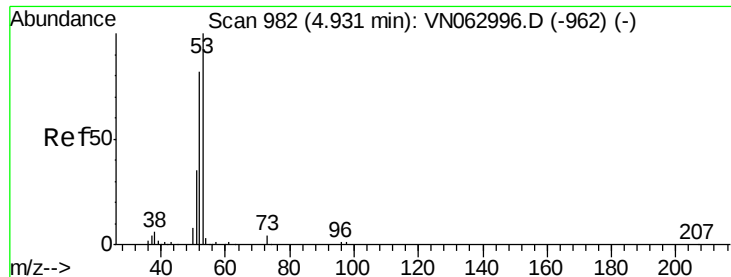
Ion Ratio Lower Upper

41 100

39 58.7 47.9 71.9

76 35.1 27.0 40.6





#15

Acrylonitrile

Concen: 215.198 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

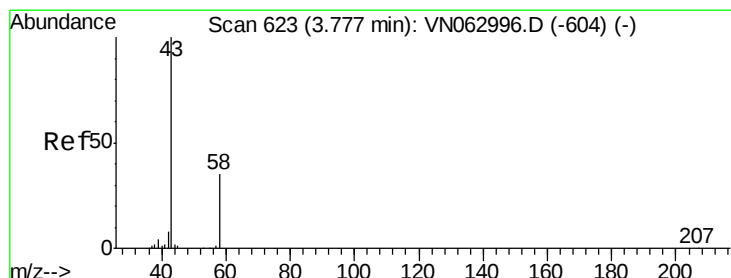
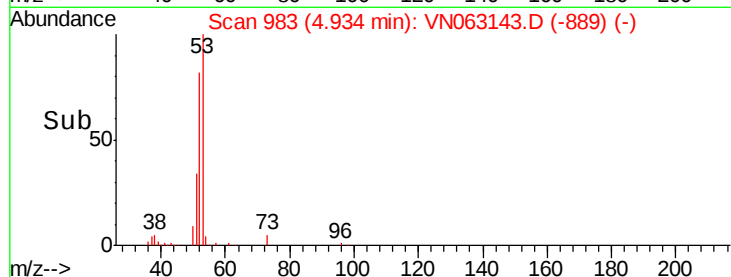
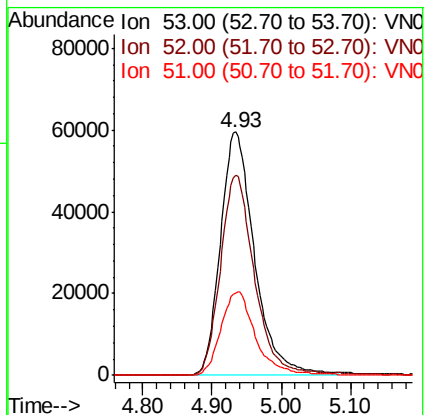
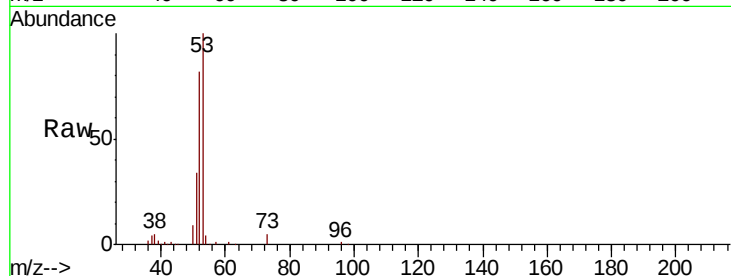
Tot Ion: 53 Resp: 203877

Ion Ratio Lower Upper

53 100

52 81.5 65.6 98.4

51 34.9 28.2 42.4



#16

Acetone

Concen: 229.872 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN063143.D

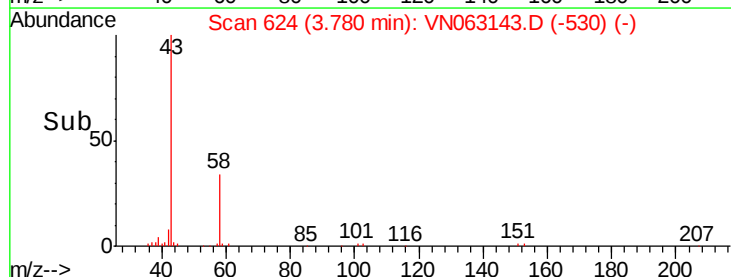
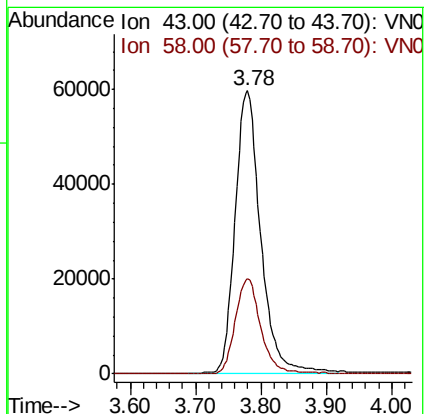
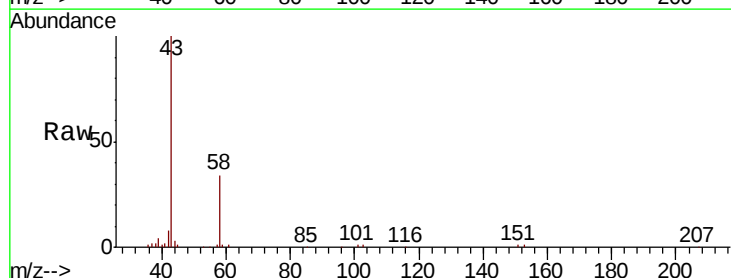
Acq: 26 Aug 2020 19:23

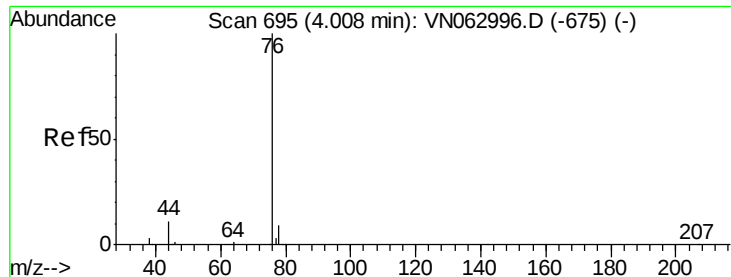
Tgt Ion: 43 Resp: 163347

Ion Ratio Lower Upper

43 100

58 33.8 27.8 41.6

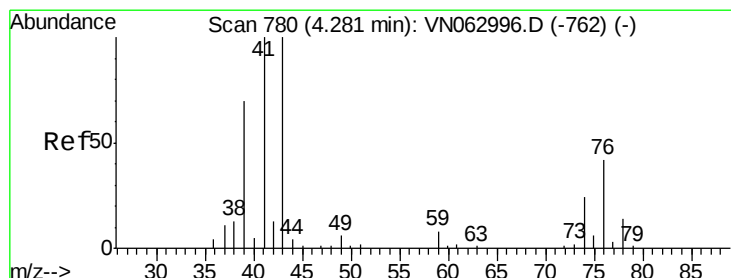
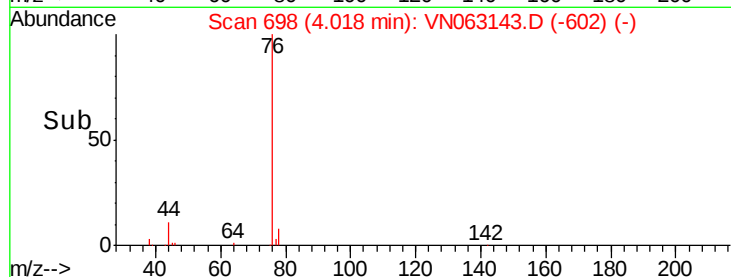
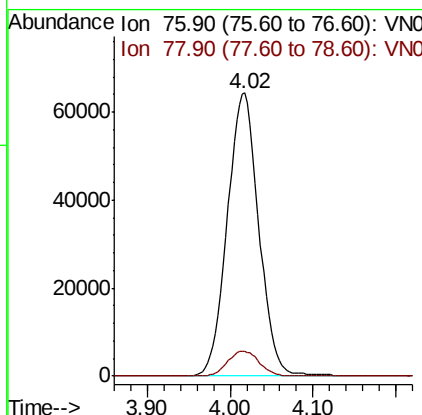
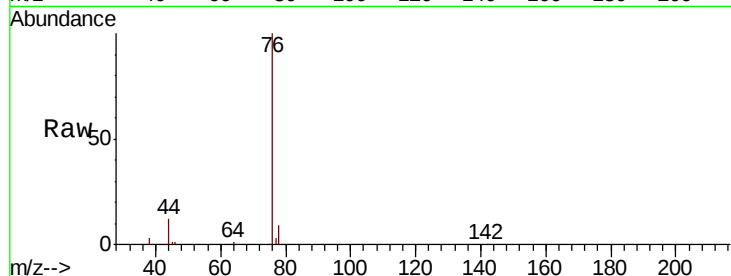




#17
Carbon Disulfide
Concen: 39.804 ug/l
RT: 4.02 min Scan# 698
Delta R.T. 0.01 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

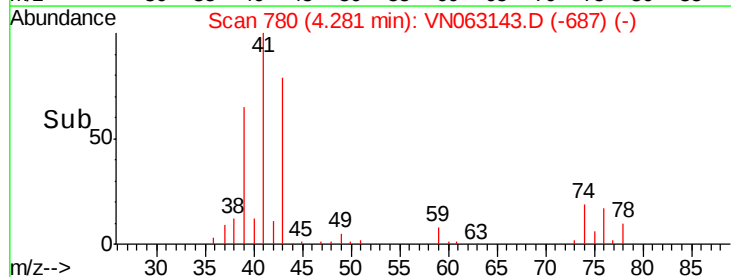
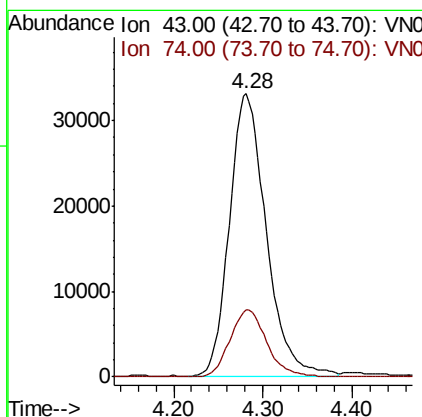
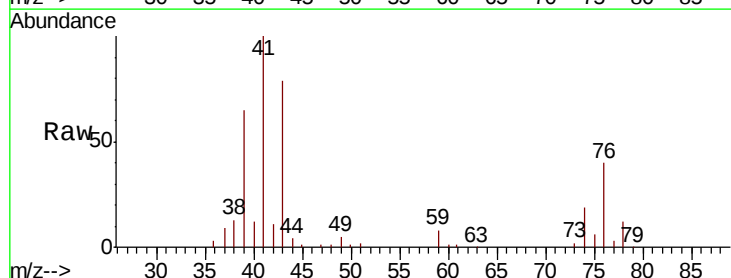
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

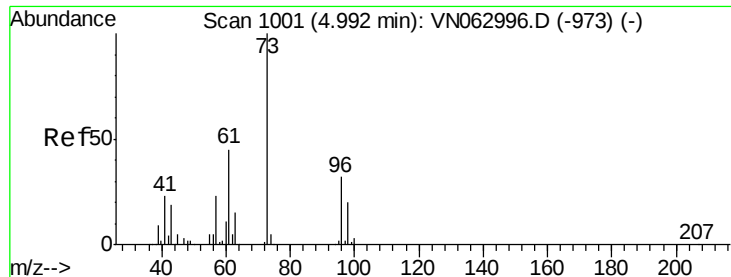
Tot Ion: 76 Resp: 169896
Ion Ratio Lower Upper
76 100
78 8.7 6.9 10.3



#18
Methyl Acetate
Concen: 42.201 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Tgt Ion: 43 Resp: 95436
Ion Ratio Lower Upper
43 100
74 23.6 18.6 28.0



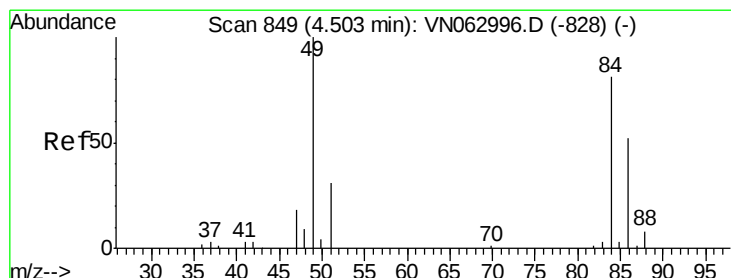
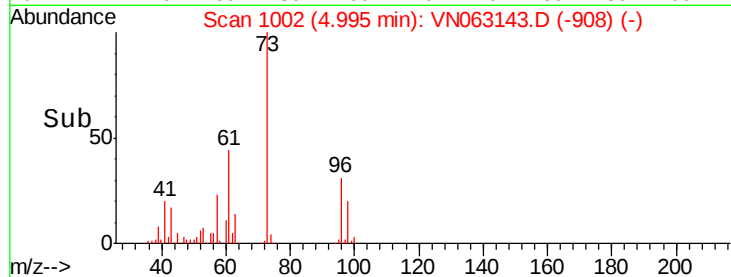
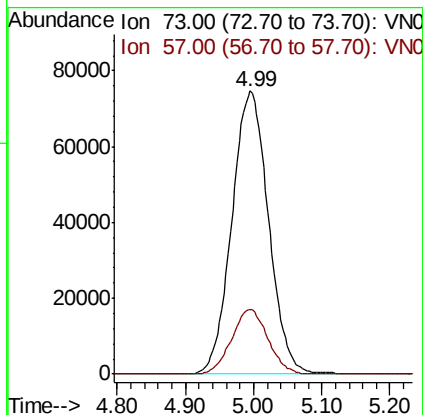
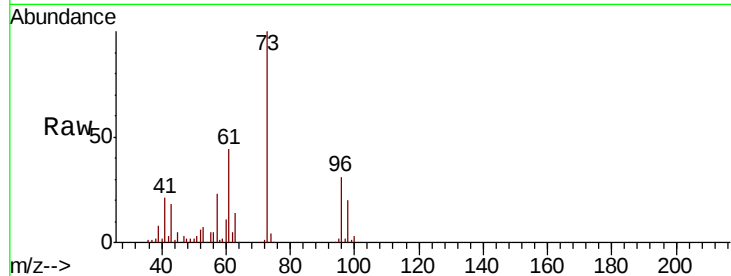


#19

Methyl tert-butyl Ether
 Concen: 48.985 ug/l
 RT: 4.99 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

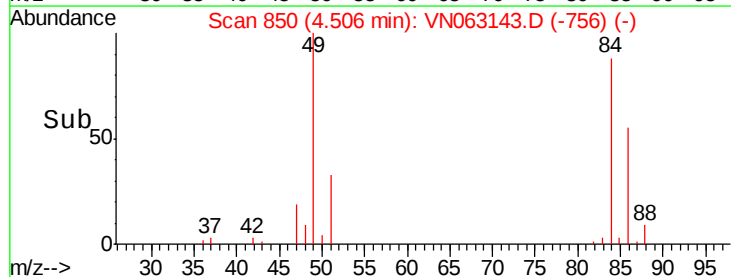
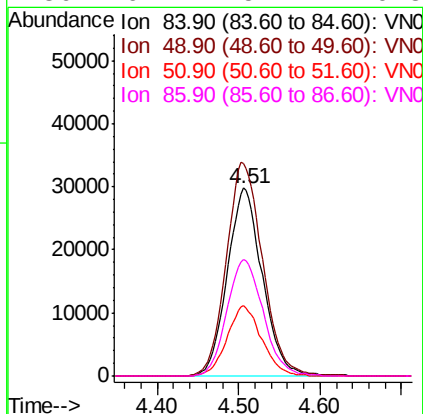
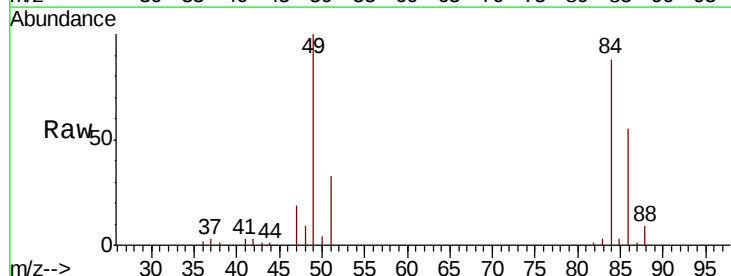
Tot Ion: 73 Resp: 278424
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.1 27.1

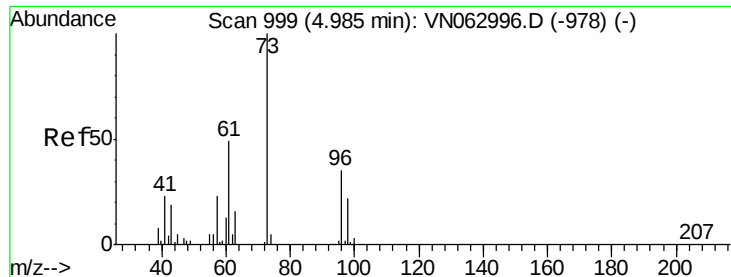


#20

Methylene Chloride
 Concen: 44.492 ug/l
 RT: 4.51 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Tgt Ion: 84 Resp: 89560
 Ion Ratio Lower Upper
 84 100
 49 113.4 98.7 148.1
 51 37.4 30.8 46.2
 86 62.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 44.664 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

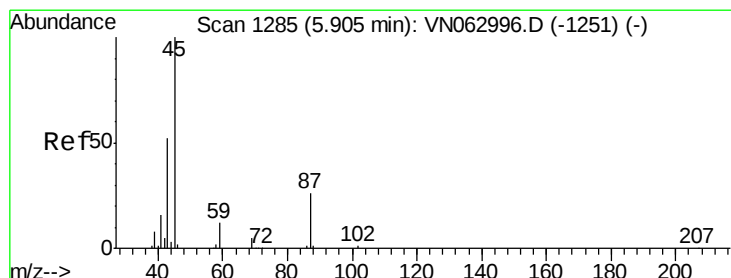
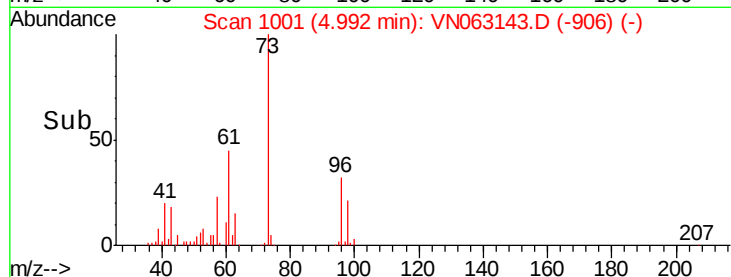
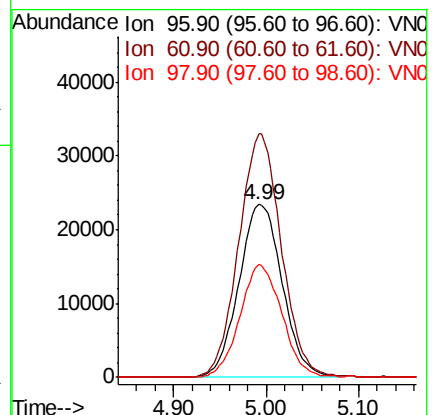
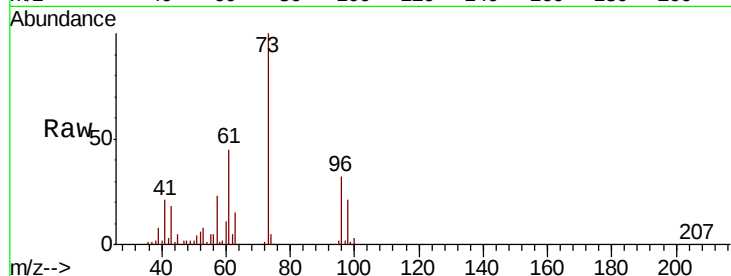
Tot Ion: 96 Resp: 76179

Ion Ratio Lower Upper

96 100

61 140.6 112.5 168.7

98 65.3 49.4 74.0



#22

Diisopropyl ether

Concen: 46.765 ug/l

RT: 5.90 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Tgt Ion: 45 Resp: 304960

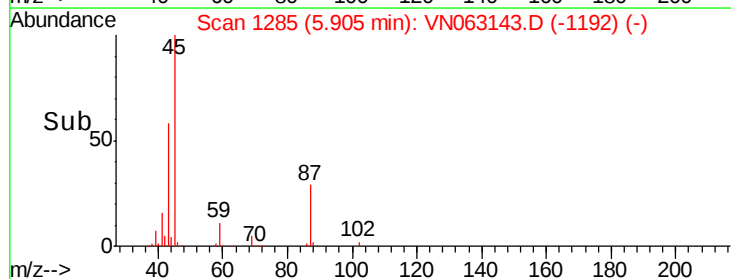
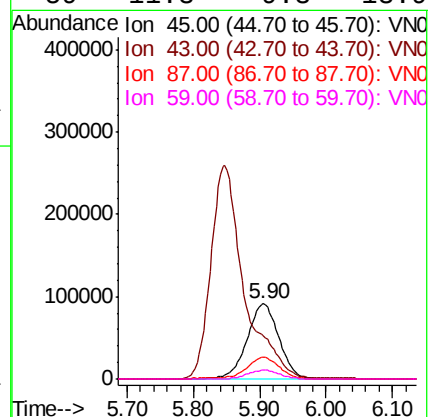
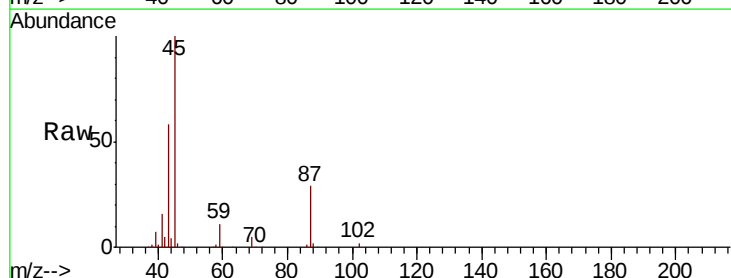
Ion Ratio Lower Upper

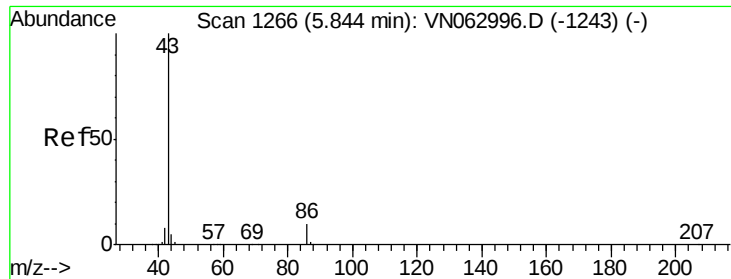
45 100

43 56.8 45.7 68.5

87 28.7 21.8 32.6

59 11.3 9.3 13.9

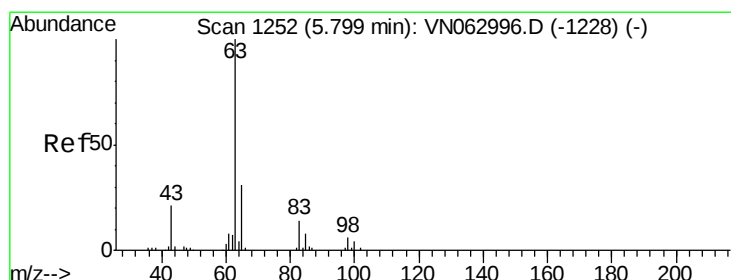
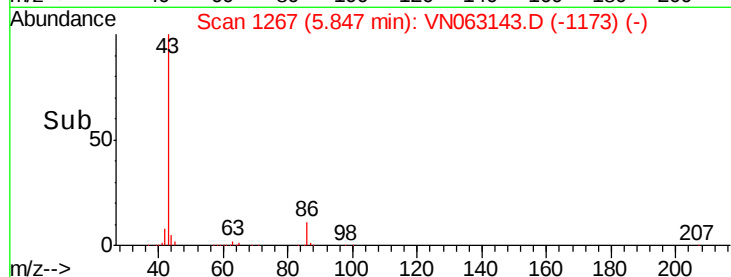
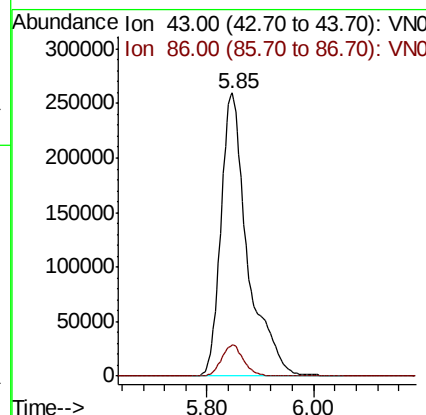
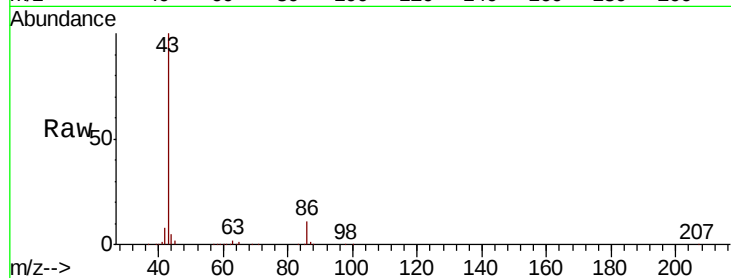




#23
 Vinyl Acetate
 Concen: 205.390 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

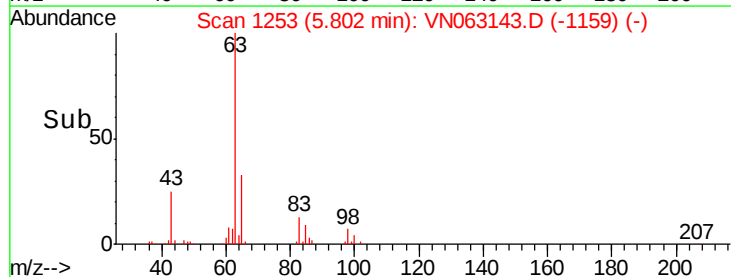
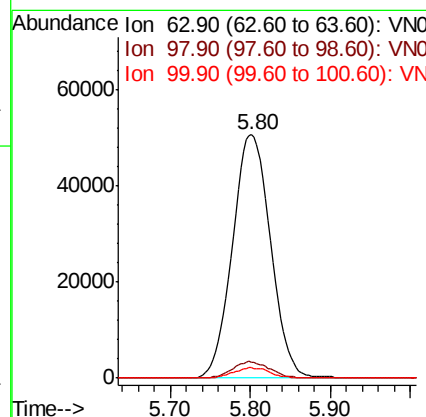
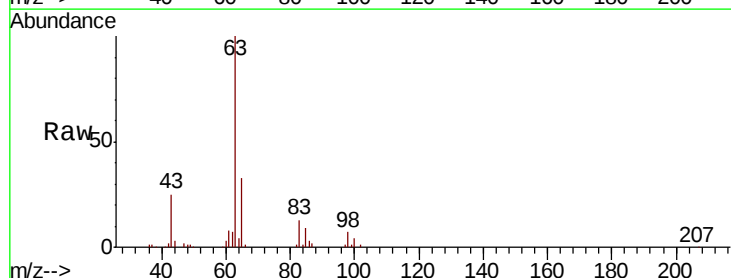
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

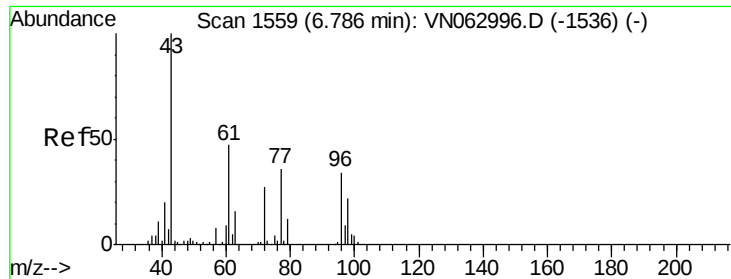
Tot Ion: 43 Resp: 903819
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 44.957 ug/l
 RT: 5.80 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Tgt Ion: 63 Resp: 163824
 Ion Ratio Lower Upper
 63 100
 98 6.7 2.9 8.7
 100 4.1 2.0 5.8





#25

2-Butanone

Concen: 221.035 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

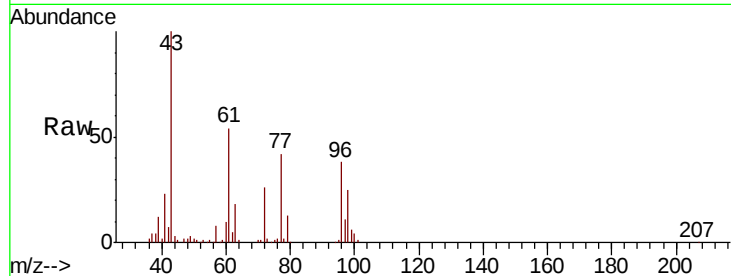
BP-VPB181-GW-498-500MS

Tot Ion: 43 Resp: 267039

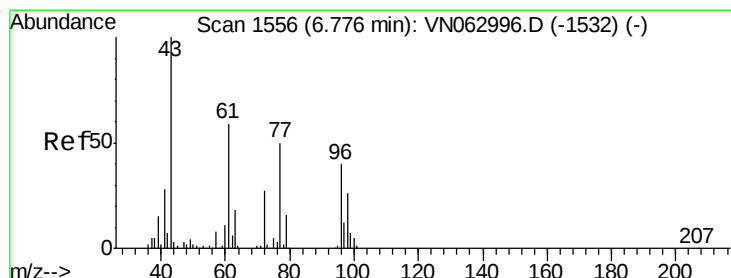
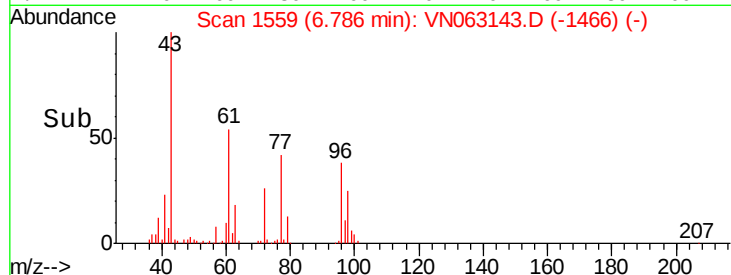
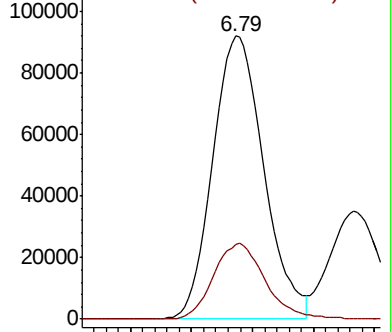
Ion Ratio Lower Upper

43 100

72 26.2 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-1536) (-)



#26

2,2-Dichloropropane

Concen: 46.206 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN063143.D

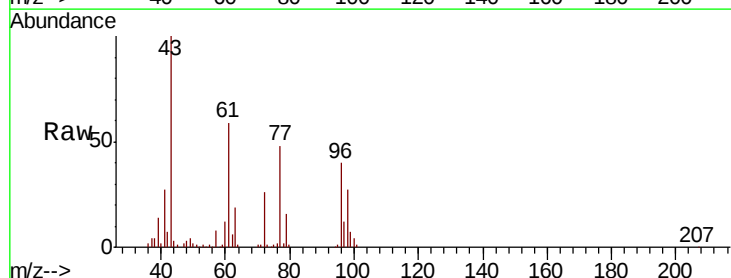
Acq: 26 Aug 2020 19:23

Tgt Ion: 77 Resp: 132418

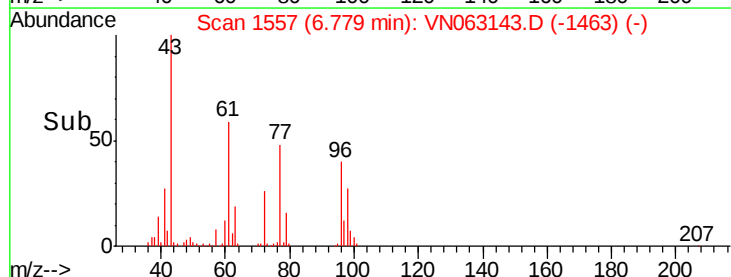
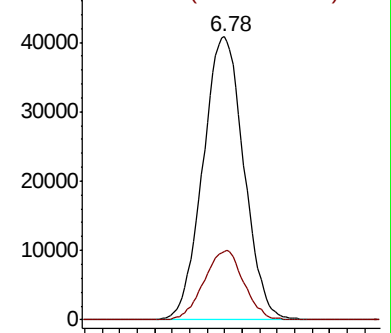
Ion Ratio Lower Upper

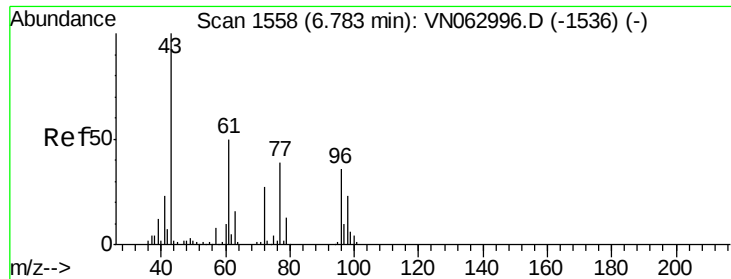
77 100

97 23.7 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VN062996.D (-1532) (-)

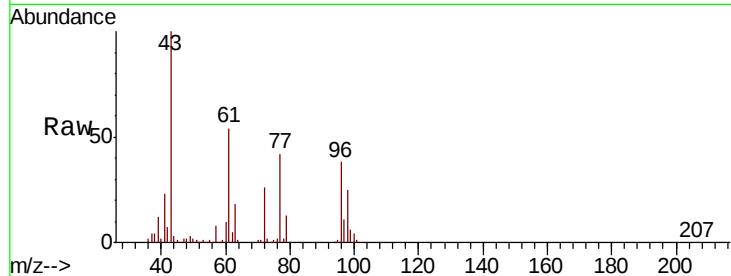




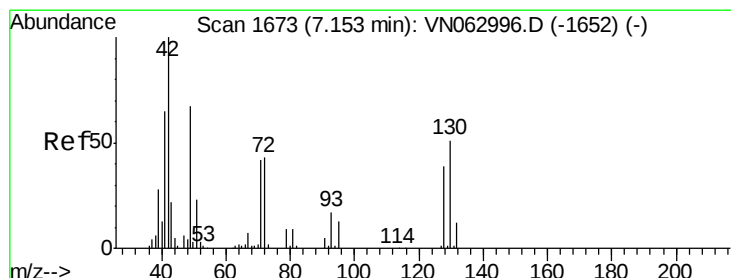
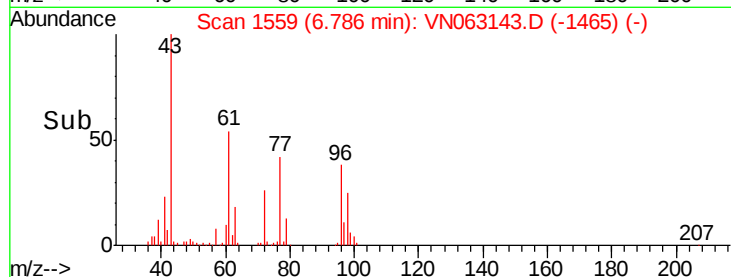
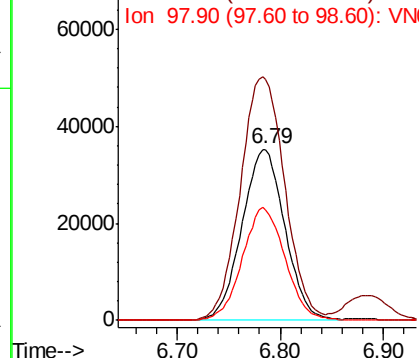
#27
 cis-1,2-Dichloroethene
 Concen: 47.650 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	292.8
98	65.6	0.0	130.6

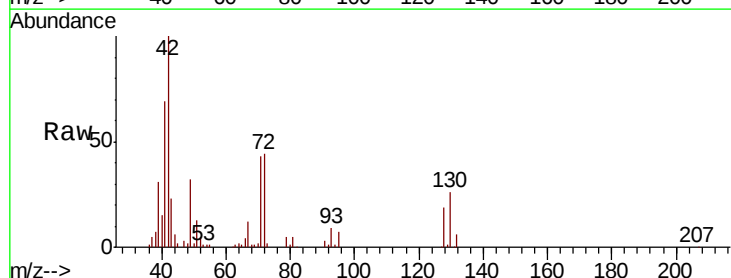


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

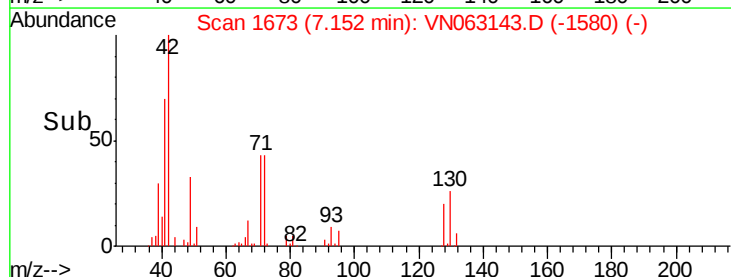
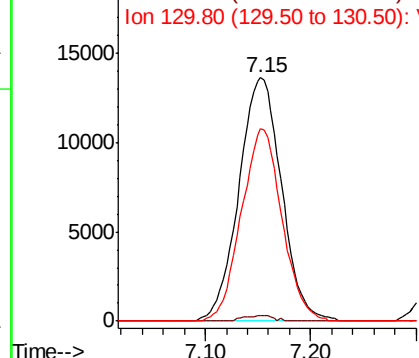


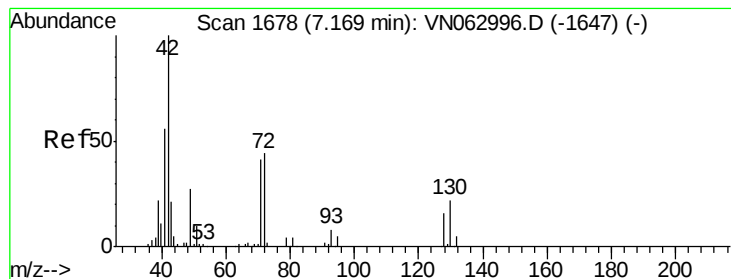
#28
 Bromochloromethane
 Concen: 20.112 ug/l
 RT: 7.15 min Scan# 1673
 Delta R.T. -0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	75.3	61.1	91.7



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 226.101 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

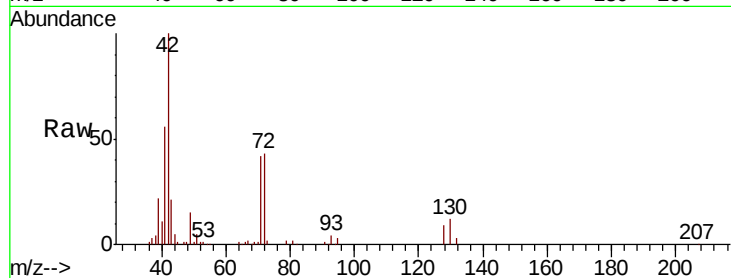
Tot Ion: 42 Resp: 176297

Ion Ratio Lower Upper

42 100

72 43.1 34.6 52.0

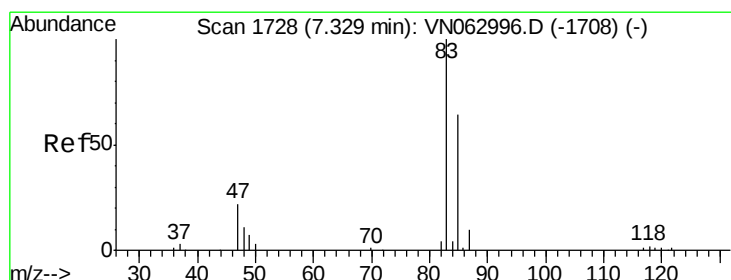
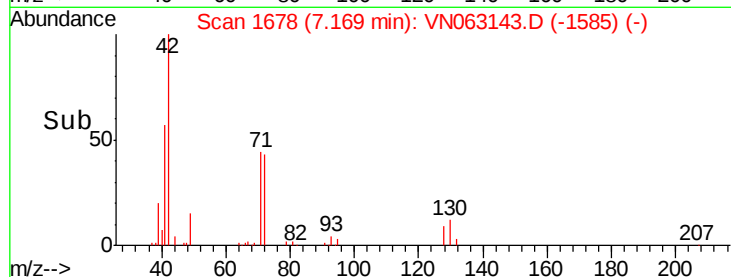
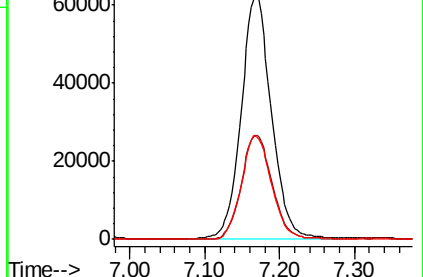
71 41.9 32.3 48.5



Abundance Ion 42.00 (41.70 to 42.70): VN062996.D (-1647) (-)

Ion 72.00 (71.70 to 72.70): VN062996.D (-1647) (-)

Ion 71.00 (70.70 to 71.70): VN062996.D (-1647) (-)



#30

Chloroform

Concen: 47.689 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN063143.D

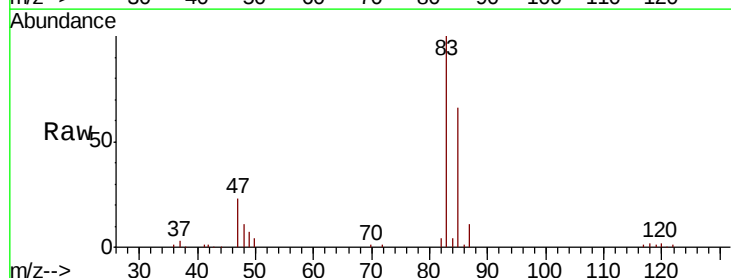
Acq: 26 Aug 2020 19:23

Tgt Ion: 83 Resp: 175017

Ion Ratio Lower Upper

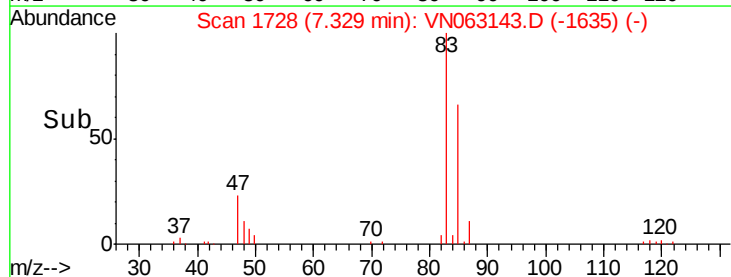
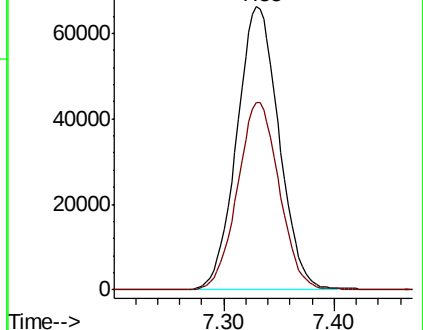
83 100

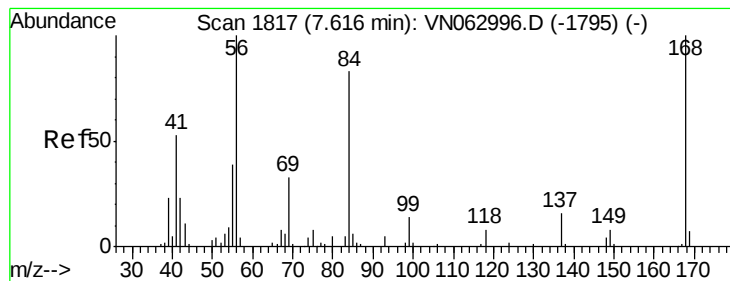
85 66.2 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VN062996.D (-1708) (-)

Ion 84.90 (84.60 to 85.60): VN062996.D (-1708) (-)





#31

Cyclohexane

Concen: 43.776 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

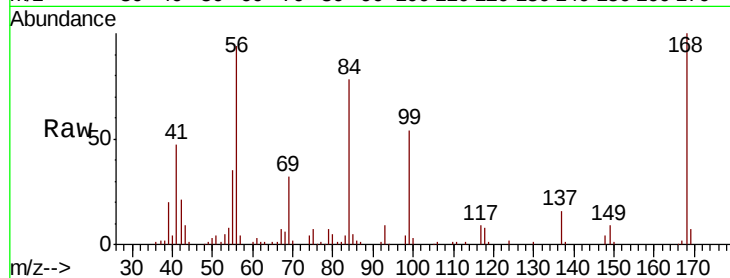
Tot Ion: 56 Resp: 146823

Ion Ratio Lower Upper

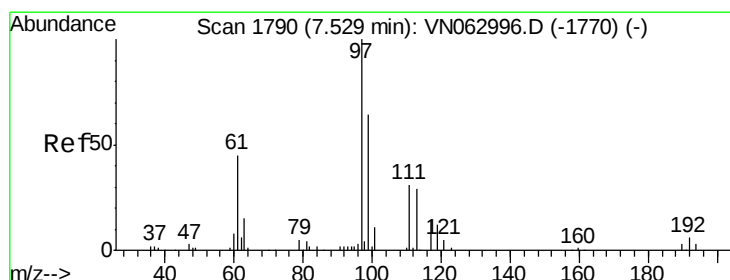
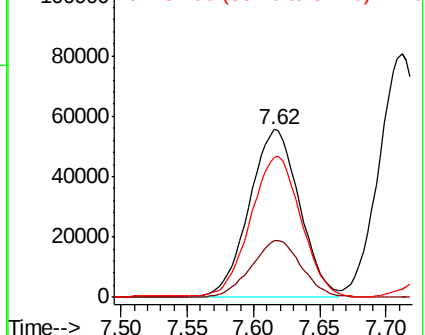
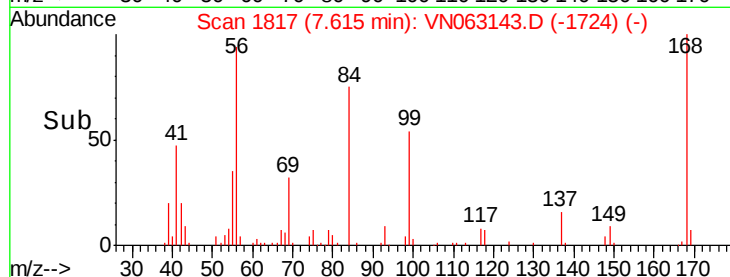
56 100

69 33.9 26.6 40.0

84 82.9 66.4 99.6



Abundance Ion 56.00 (55.70 to 56.70): VN063143.D (-1724) (-)



#32

1,1,1-Trichloroethane

Concen: 47.307 ug/l

RT: 7.53 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

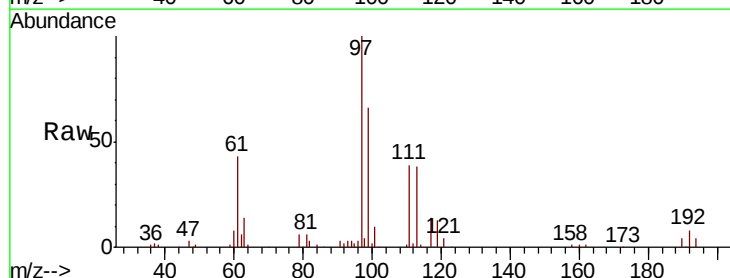
Tgt Ion: 97 Resp: 141740

Ion Ratio Lower Upper

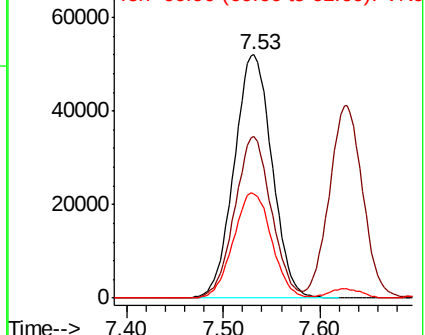
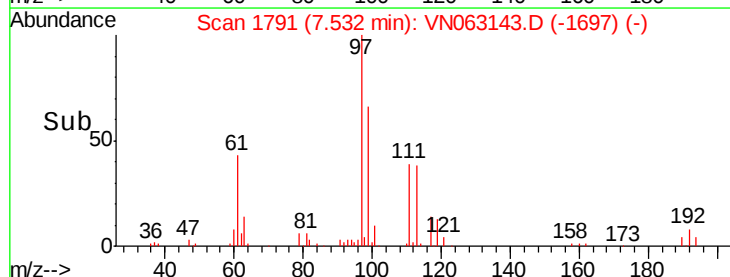
97 100

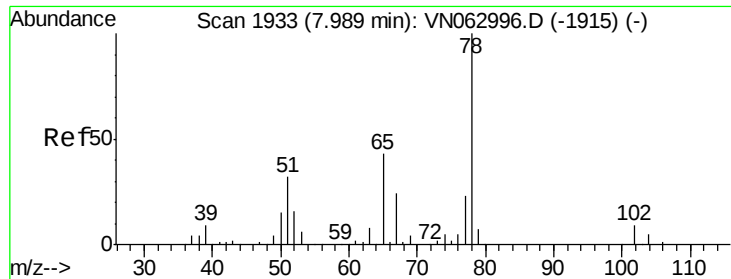
99 64.2 52.0 78.0

61 43.7 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VN063143.D (-1697) (-)

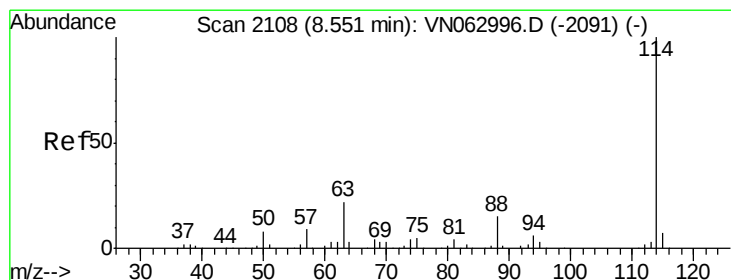
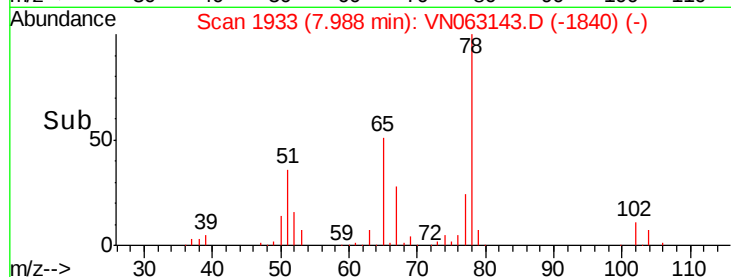
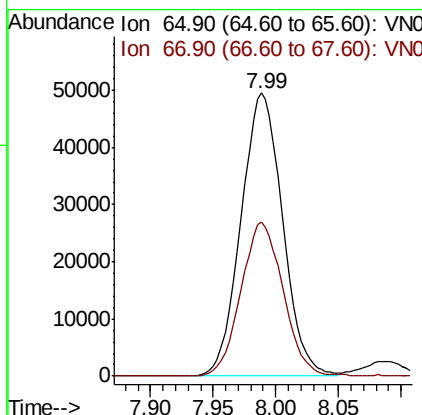
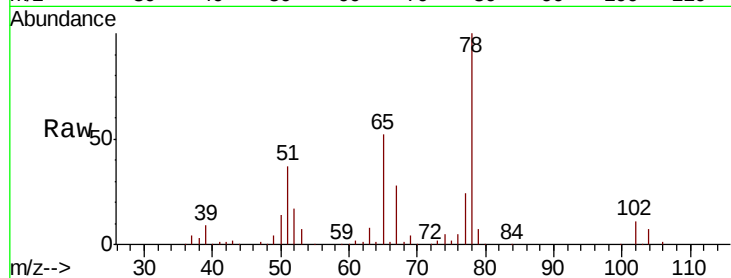




#33
 1,2-Dichloroethane-d4
 Concen: 50.305 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

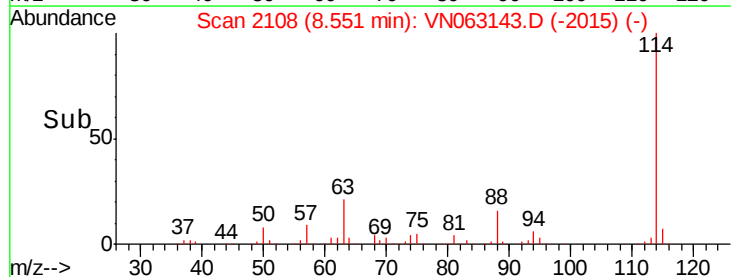
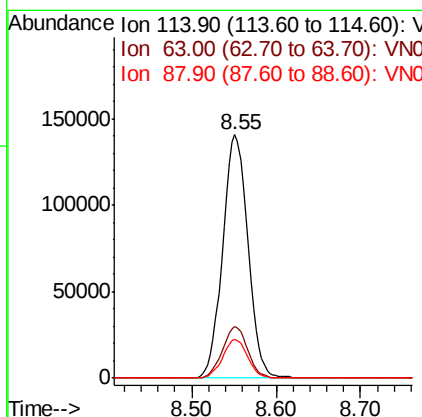
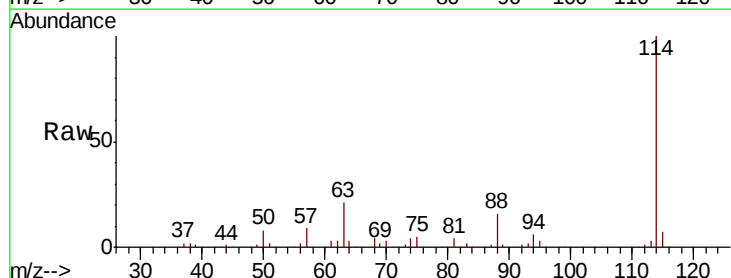
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

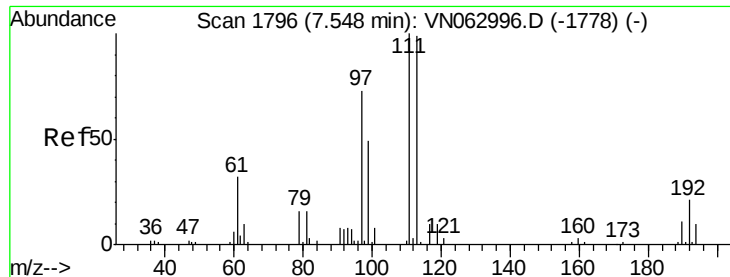
Tot Ion: 65 Resp: 114475
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Tgt Ion: 114 Resp: 293264
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.2
 88 15.9 0.0 30.6

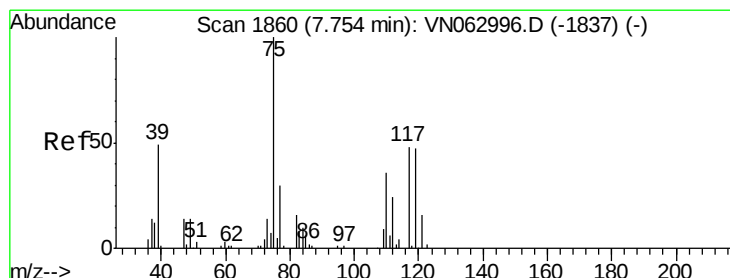
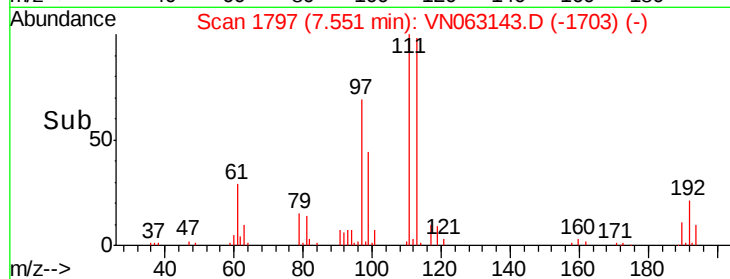
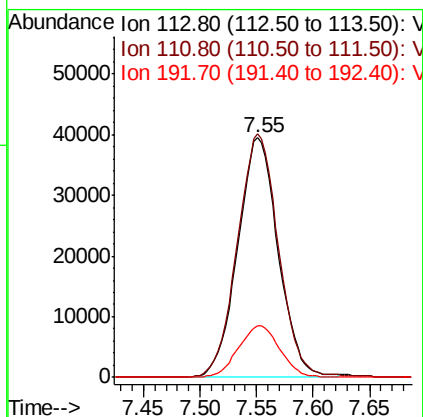
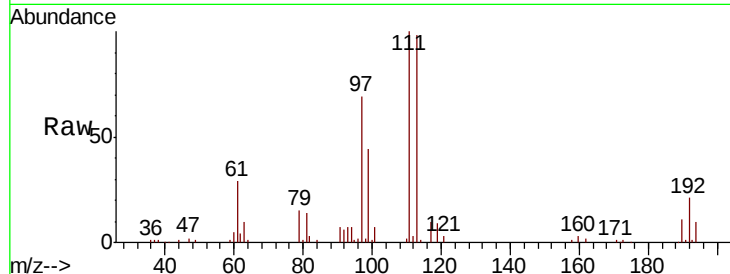




#35
 Dibromofluoromethane
 Concen: 51.396 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

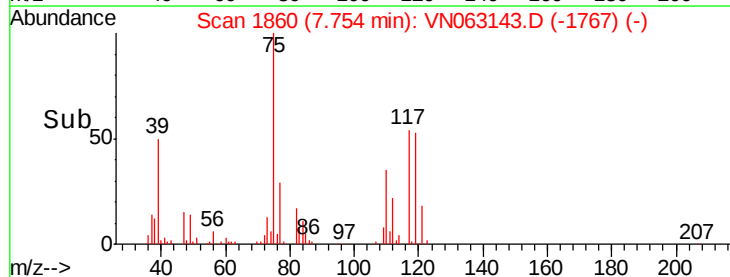
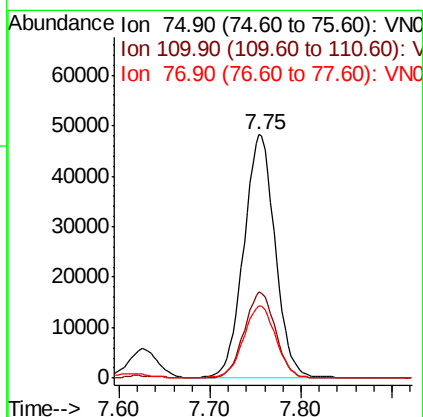
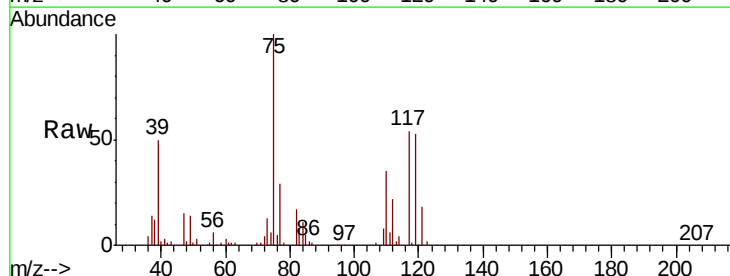
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

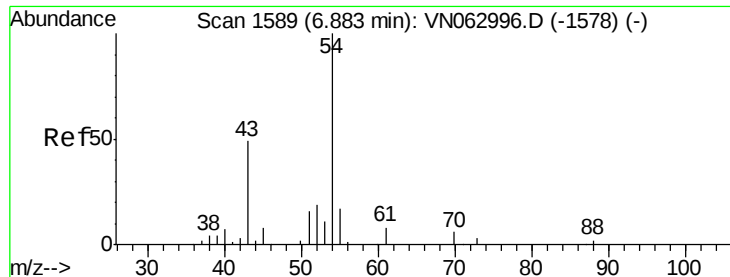
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.7	122.5
192	22.0	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 44.788 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.5	52.6
77	30.8	24.2	36.4

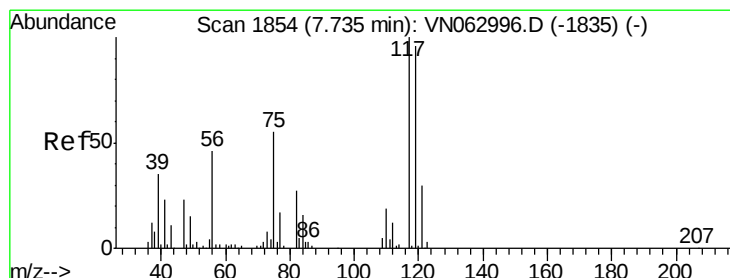
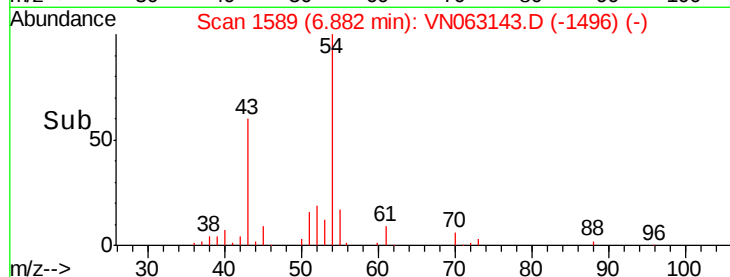
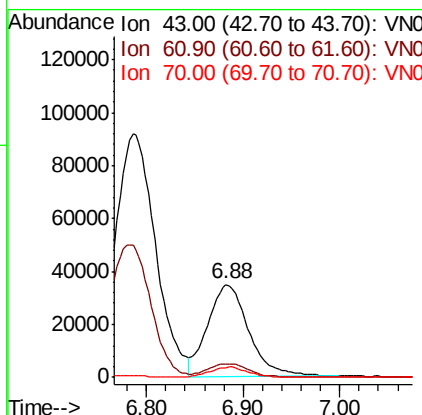
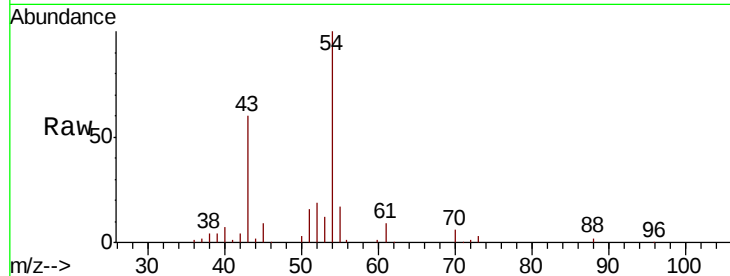




#37
Ethyl Acetate
Concen: 42.570 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

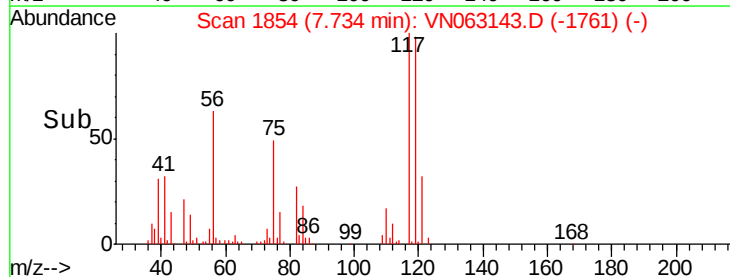
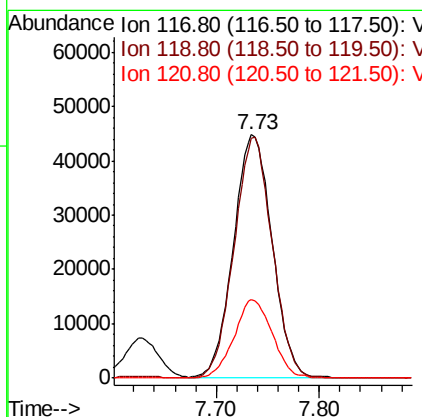
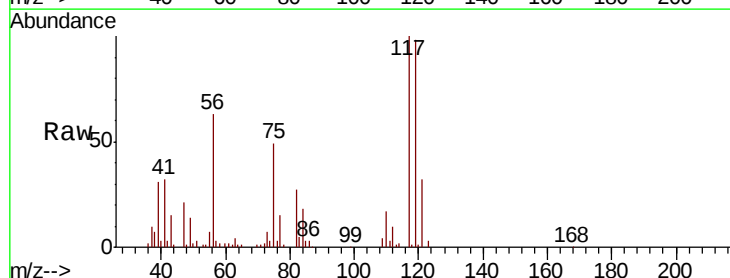
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

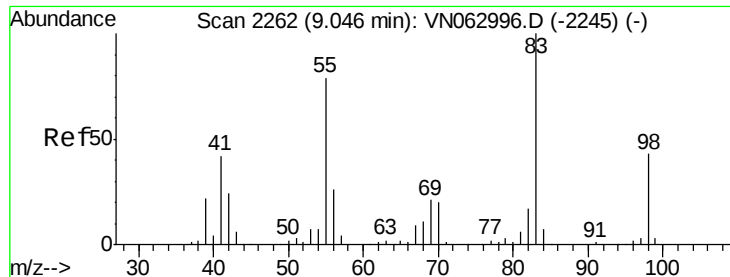
Tot Ion: 43 Resp: 103087
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.8
70 10.3 8.2 12.2



#38
Carbon Tetrachloride
Concen: 44.984 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Tgt Ion: 117 Resp: 117369
Ion Ratio Lower Upper
117 100
119 98.3 76.2 114.4
121 32.2 24.2 36.2

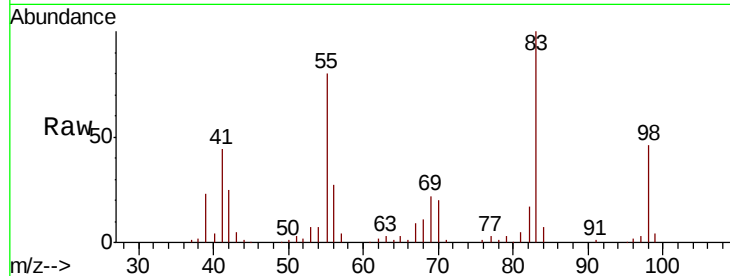




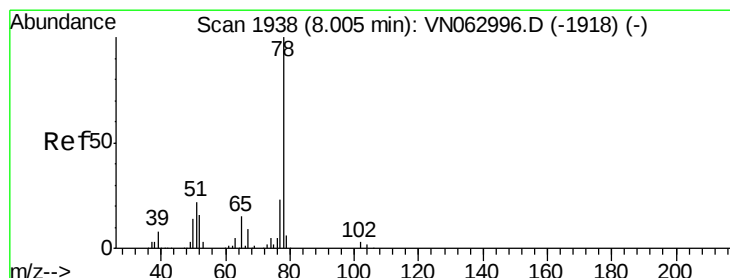
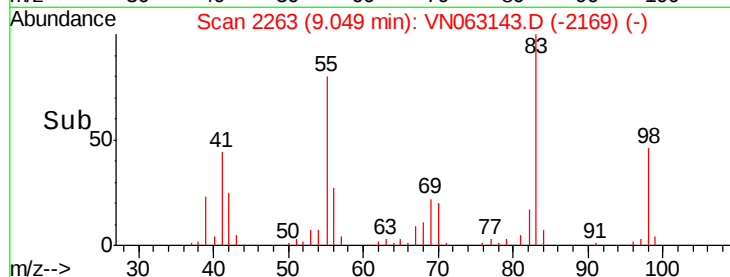
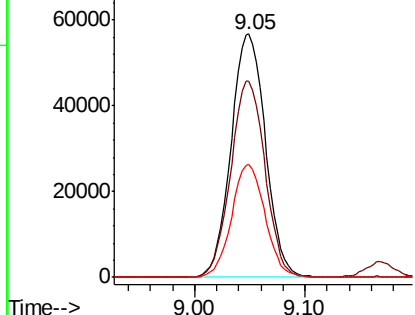
#39
Methvlcvclohexane
Concen: 35.632 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

Tot Ion	83.00	Resp	122709
Ion	Ratio	Lower	Upper
83	100		
55	80.4	63.3	94.9
98	46.3	34.2	51.4

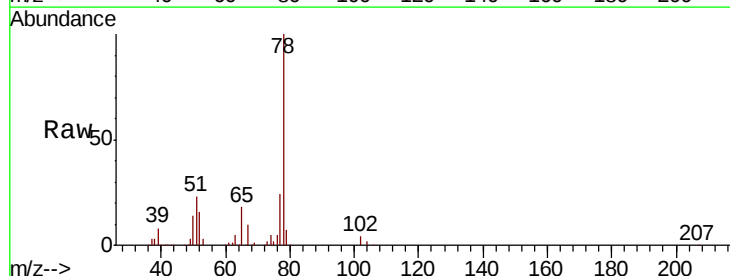


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

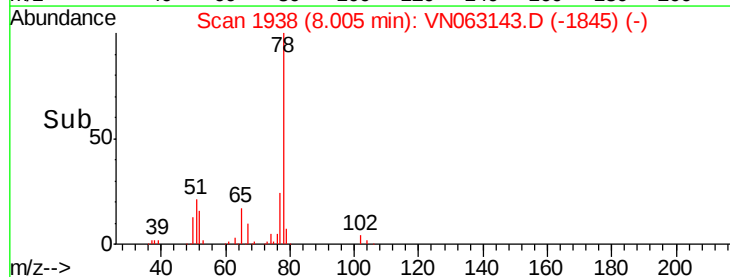
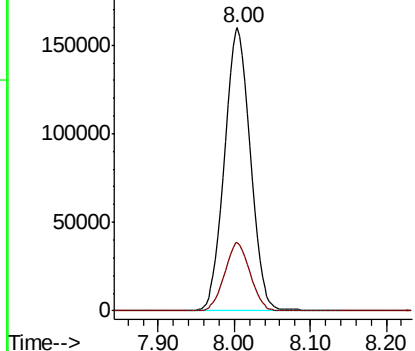


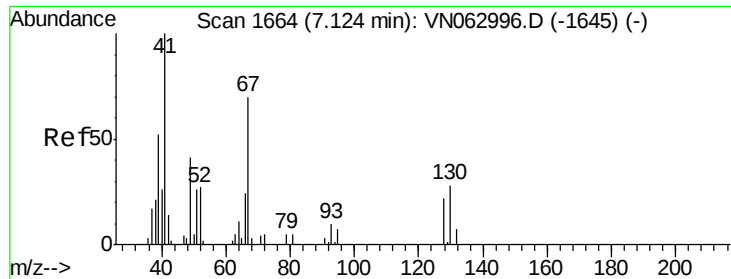
#40
Benzene
Concen: 46.237 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Tgt Ion	78	Resp	378995
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

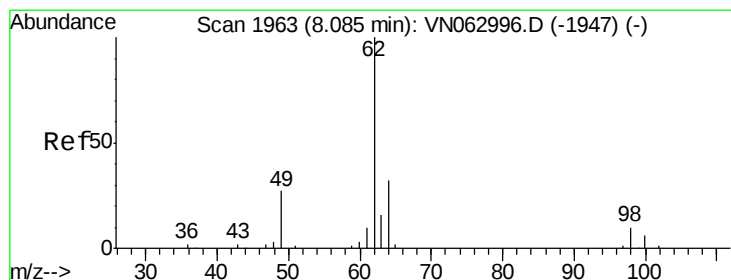
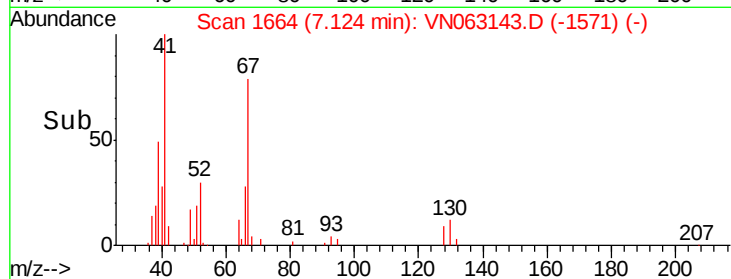
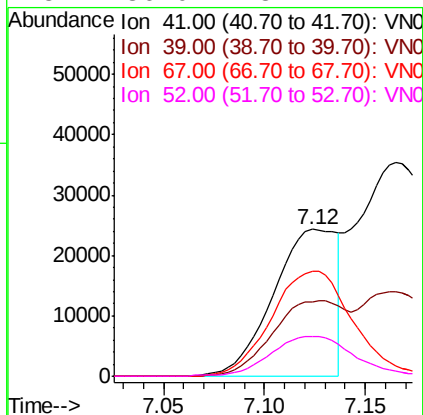
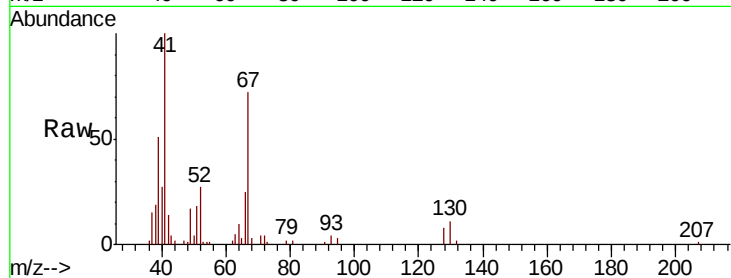




#41
Methacrylonitrile
Concen: 46.118 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

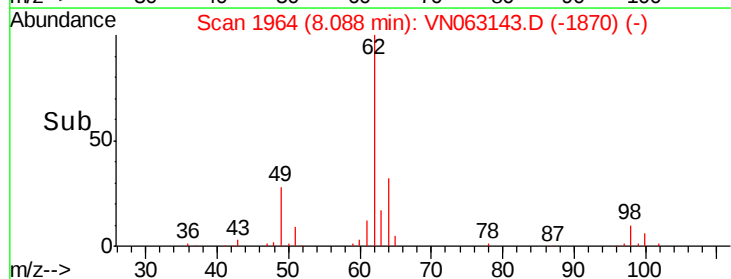
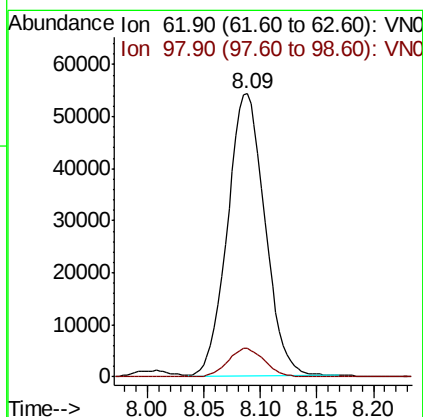
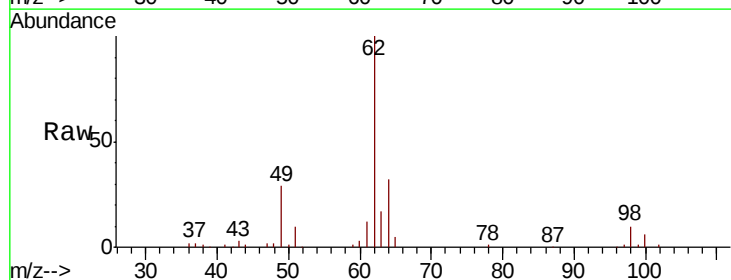
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

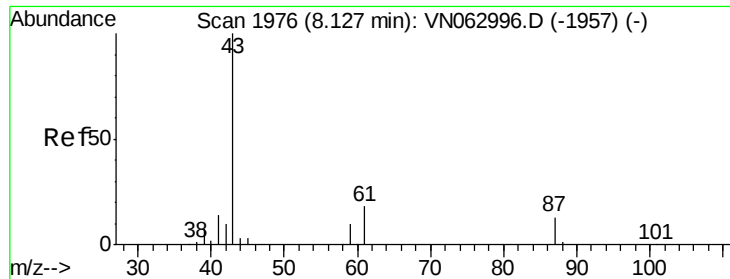
Tot Ion:	41	Resp:	53210
Ion	Ratio	Lower	Upper
41	100		
39	59.7	41.6	62.4
67	92.6	71.8	107.8
52	36.0	28.2	42.4



#42
1,2-Dichloroethane
Concen: 45.429 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Tgt Ion:	62	Resp:	125033
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.4





#43

Isopropyl Acetate

Concen: 44.569 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

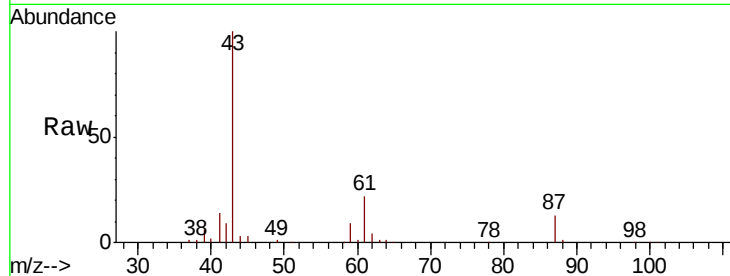
Tot Ion: 43 Resp: 178807

Ion Ratio Lower Upper

43 100

61 29.4 22.6 33.8

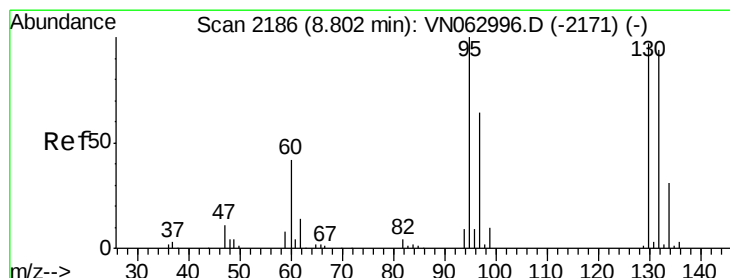
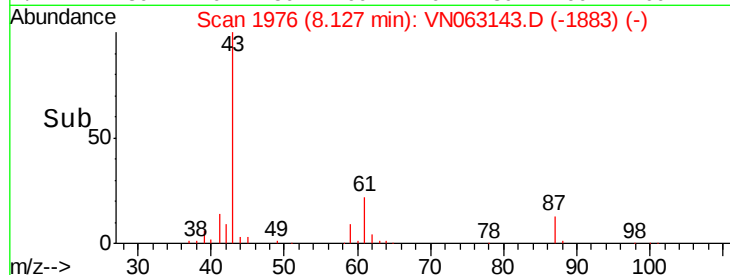
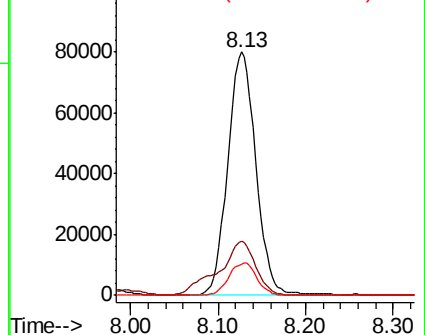
87 13.4 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VN063143.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN063143.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN063143.D (-1957) (-)



#44

Trichloroethene

Concen: 46.425 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN063143.D

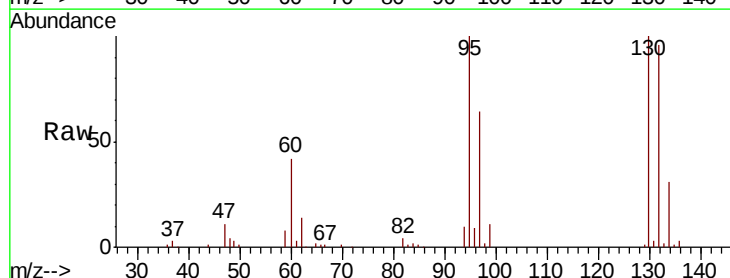
Acq: 26 Aug 2020 19:23

Tgt Ion:130 Resp: 94656

Ion Ratio Lower Upper

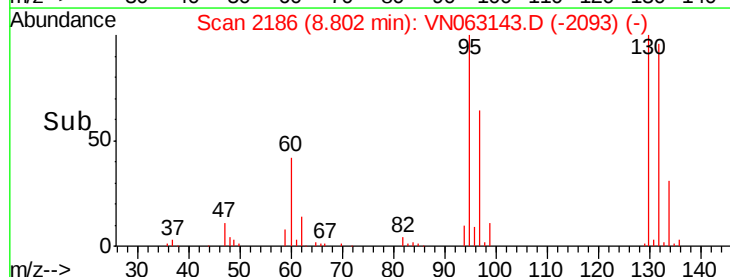
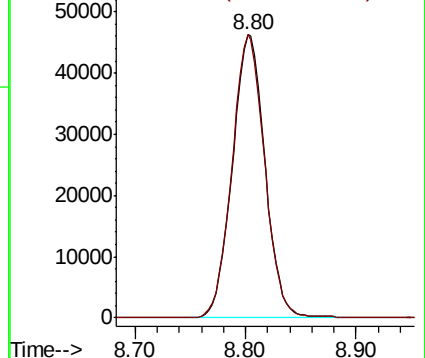
130 100

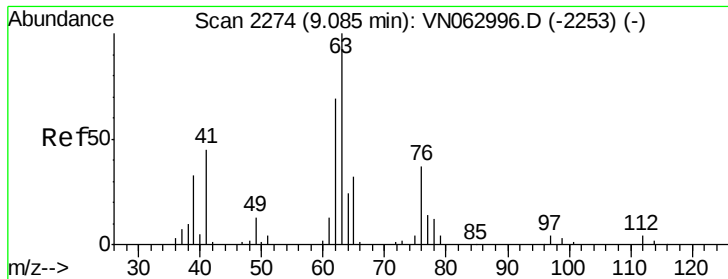
95 100.1 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VN063143.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN063143.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 47.423 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

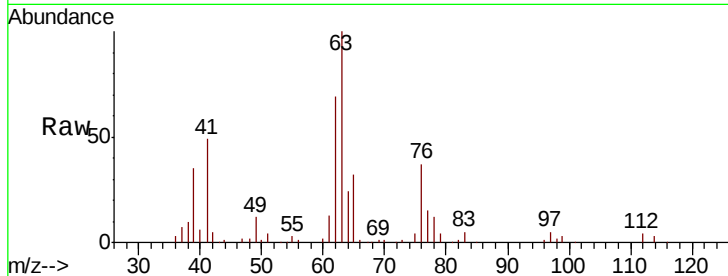
BP-VPB181-GW-498-500MS

Tot Ion: 63 Resp: 112362

Ion Ratio Lower Upper

63 100

65 31.8 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VN062996.D (-2253) (-)

Ion 64.90 (64.60 to 65.60): VN062996.D (-2253) (-)

9.08

60000

50000

40000

30000

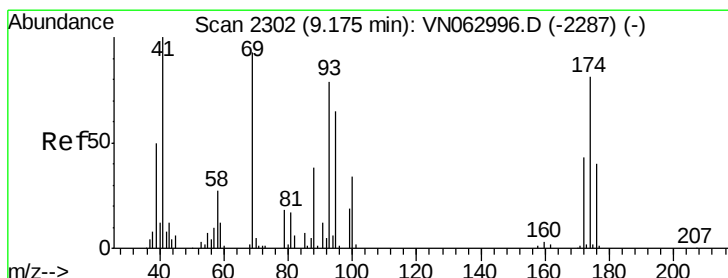
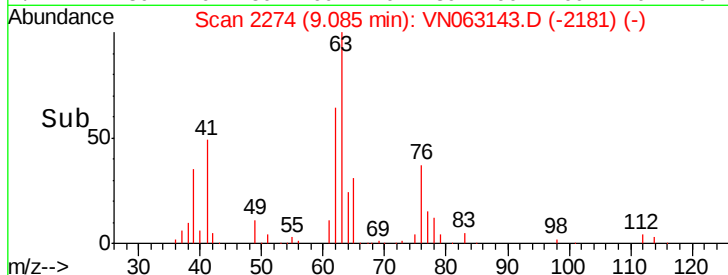
20000

10000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 47.048 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

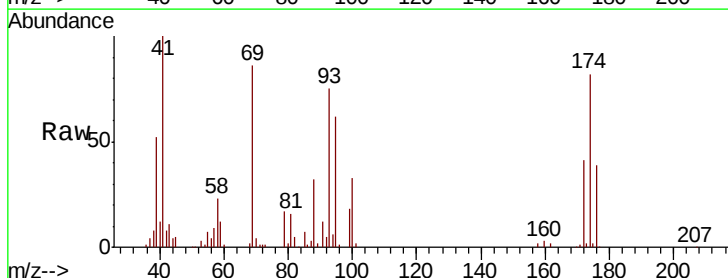
Tgt Ion: 93 Resp: 64398

Ion Ratio Lower Upper

93 100

95 82.0 66.2 99.4

174 108.6 84.6 127.0



Abundance Ion 92.80 (92.50 to 93.50): VN062996.D (-2287) (-)

Ion 94.80 (94.50 to 95.50): VN062996.D (-2287) (-)

Ion 173.70 (173.40 to 174.40): VN062996.D (-2287) (-)

40000

30000

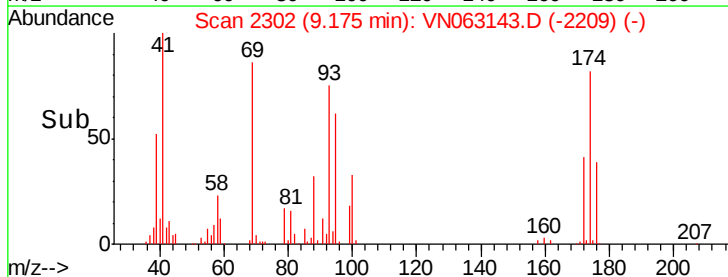
20000

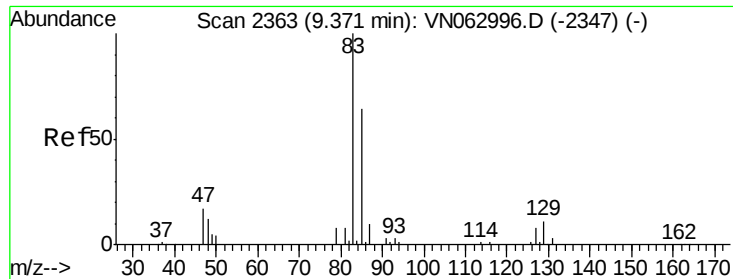
10000

0

Time-->

9.10 9.15 9.20 9.25 9.30

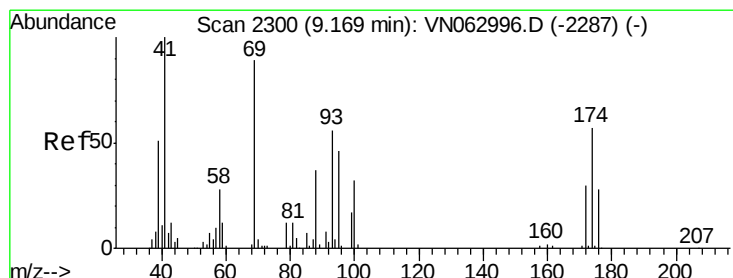
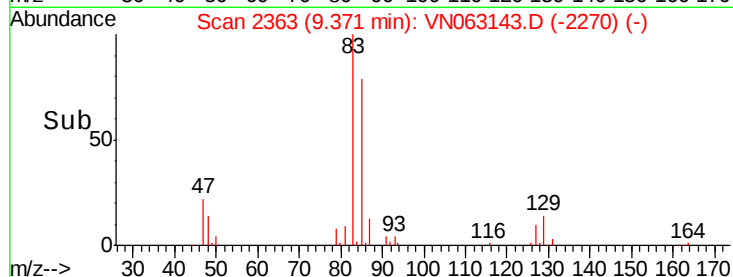
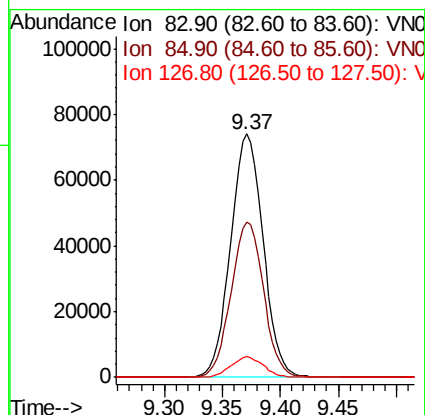
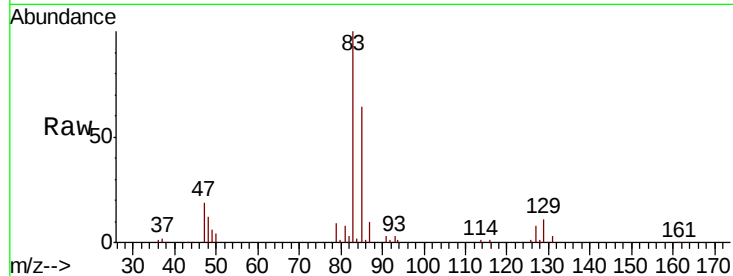




#47
Bromodichloromethane
Concen: 47.959 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

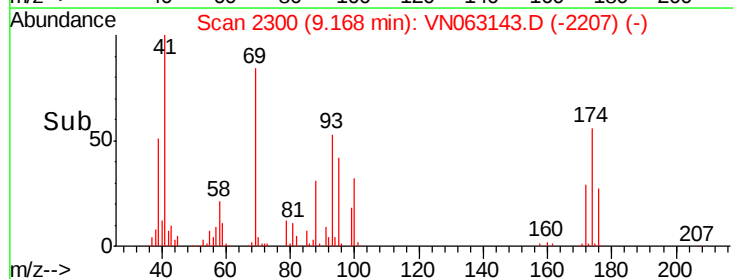
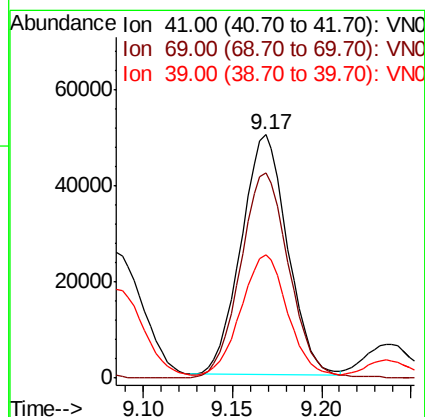
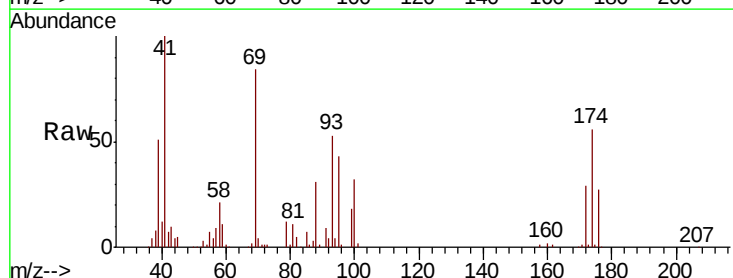
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

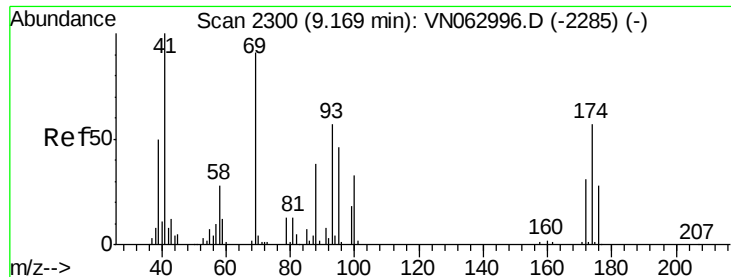
Tot Ion: 83 Resp: 143777
Ion Ratio Lower Upper
83 100
85 63.6 51.1 76.7
127 8.3 6.6 9.8



#48
Methyl methacrylate
Concen: 48.036 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Tgt Ion: 41 Resp: 91183
Ion Ratio Lower Upper
41 100
69 89.4 74.2 111.4
39 52.6 42.5 63.7

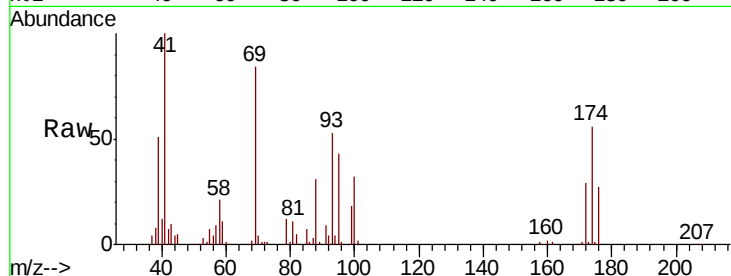




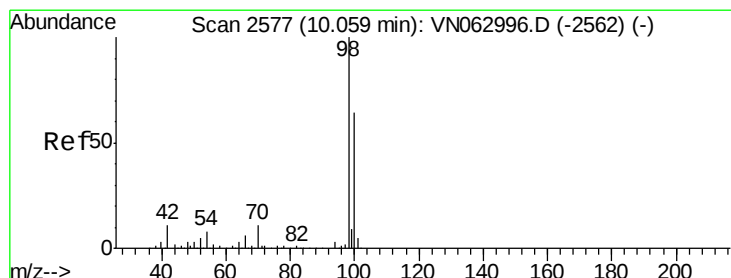
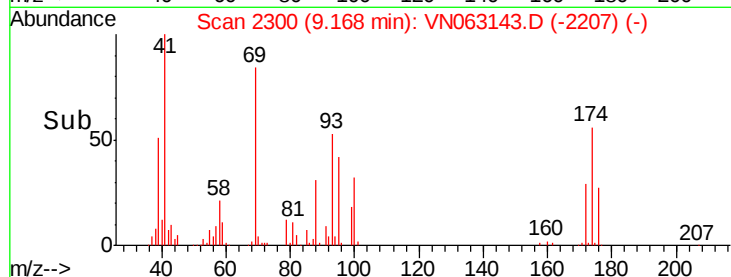
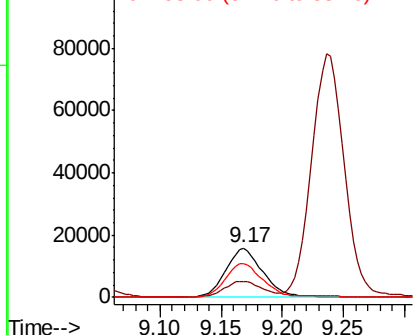
#49
1,4-Dioxane
Concen: 805.681 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

Tot Ion: 88 Resp: 33528
Ion Ratio Lower Upper
88 100
43 33.9 25.2 37.8
58 68.3 56.7 85.1

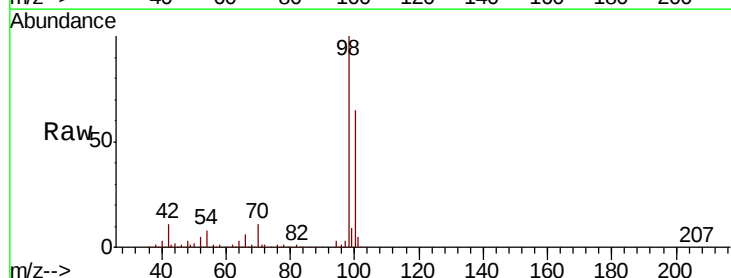


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

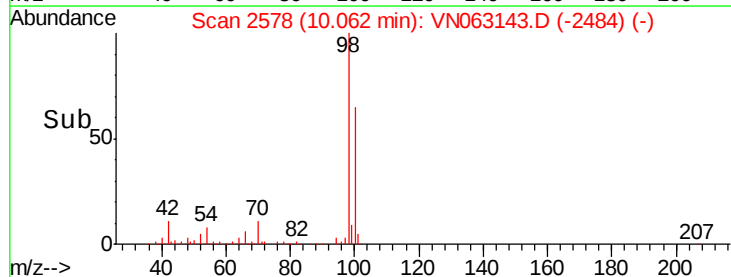
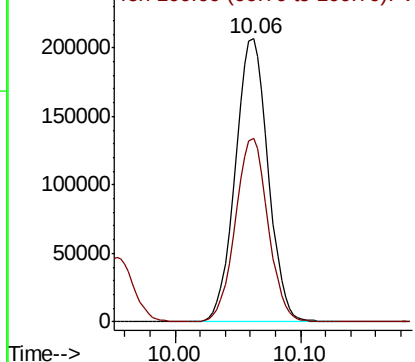


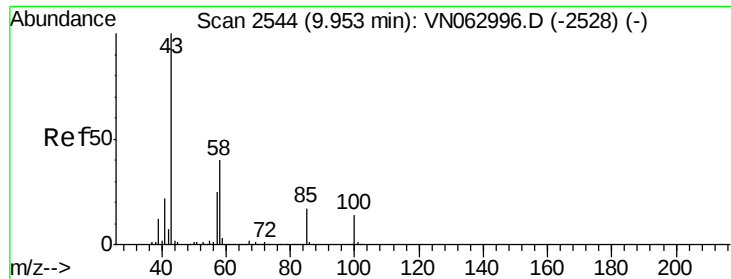
#50
Toluene-d8
Concen: 51.083 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Tgt Ion: 98 Resp: 374945
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 232.020 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

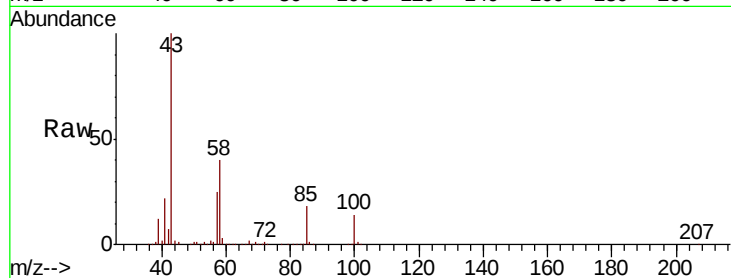
BP-VPB181-GW-498-500MS

Tot Ion: 43 Resp: 588369

Ion Ratio Lower Upper

43 100

58 40.0 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-2528) (-)

9.95

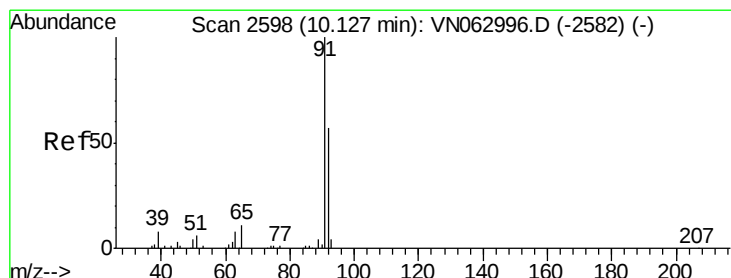
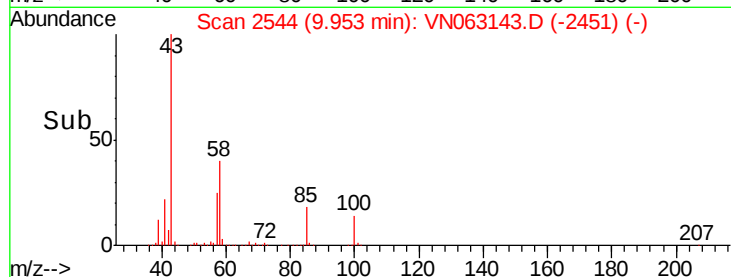
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.905 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN063143.D

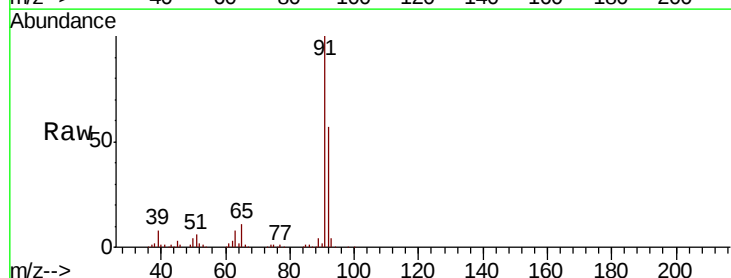
Acq: 26 Aug 2020 19:23

Tgt Ion: 92 Resp: 236872

Ion Ratio Lower Upper

92 100

91 173.7 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN062996.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062996.D (-2582) (-)

10.13

250000

200000

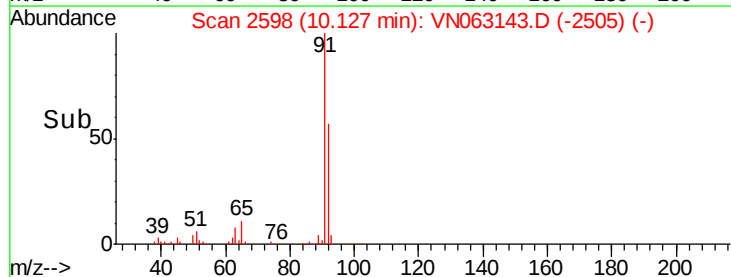
150000

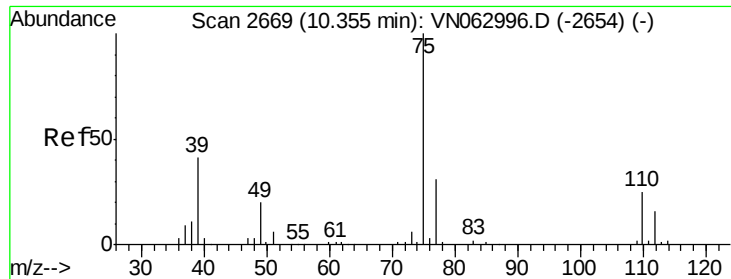
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.207 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

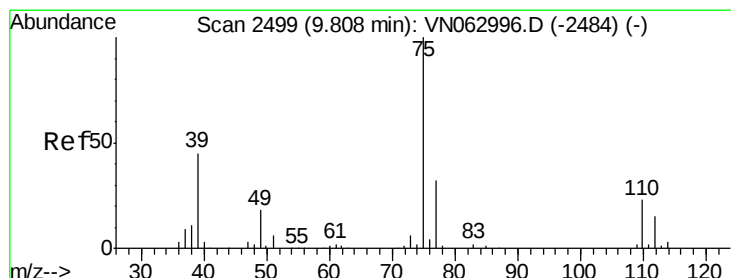
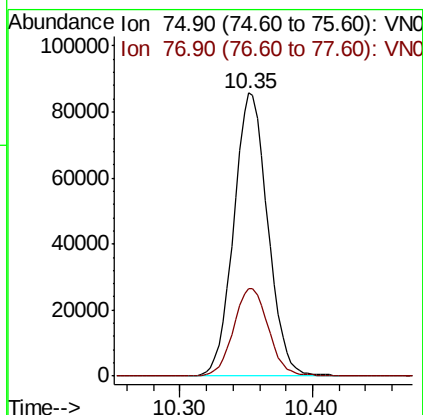
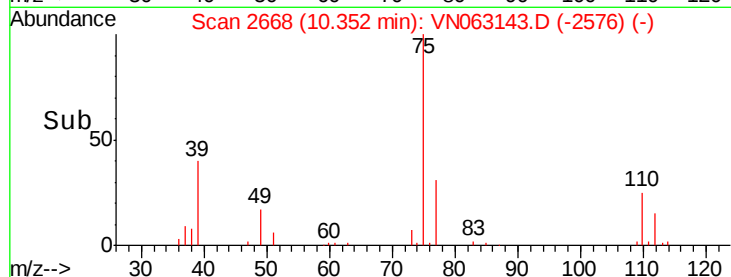
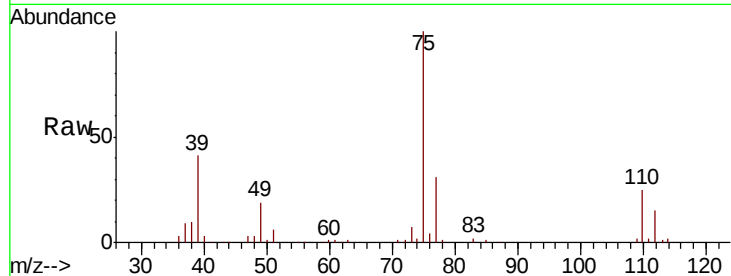
BP-VPB181-GW-498-500MS

Tot Ion: 75 Resp: 152551

Ion Ratio Lower Upper

75 100

77 31.1 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 48.397 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

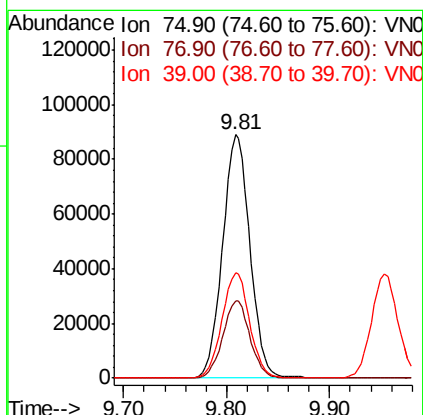
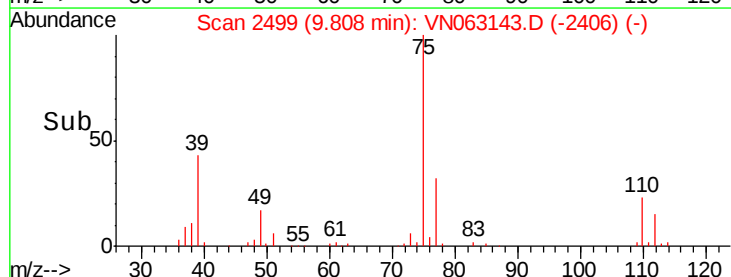
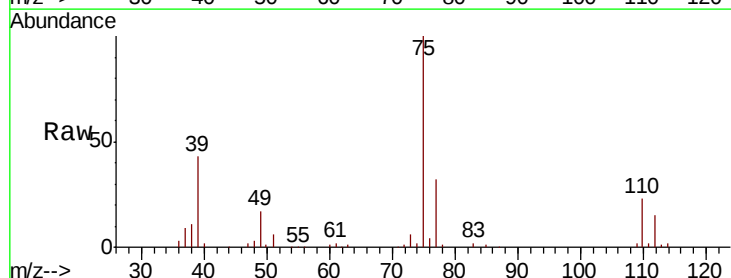
Tgt Ion: 75 Resp: 164591

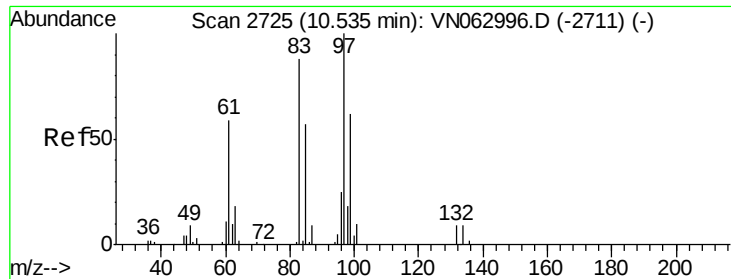
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2

39 43.1 35.7 53.5





#55

1,1,2-Trichloroethane

Concen: 47.452 ug/l

RT: 10.53 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion: 97 Resp: 100325

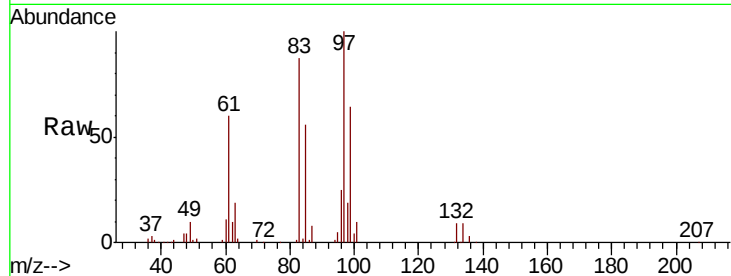
Ion Ratio Lower Upper

97 100

83 87.4 70.5 105.7

85 56.2 45.8 68.6

99 63.7 49.7 74.5

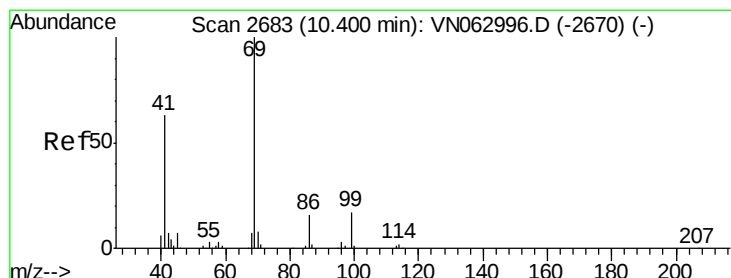
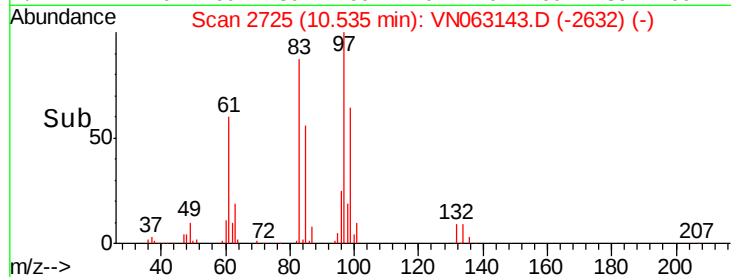
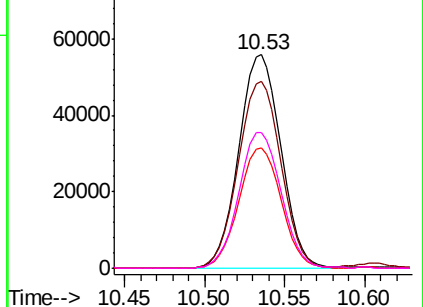


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 45.061 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

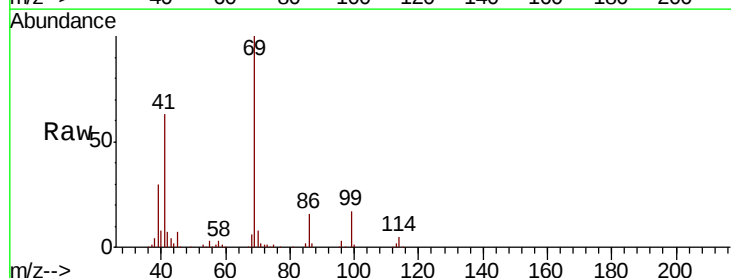
Tgt Ion: 69 Resp: 146562

Ion Ratio Lower Upper

69 100

41 63.2 50.2 75.2

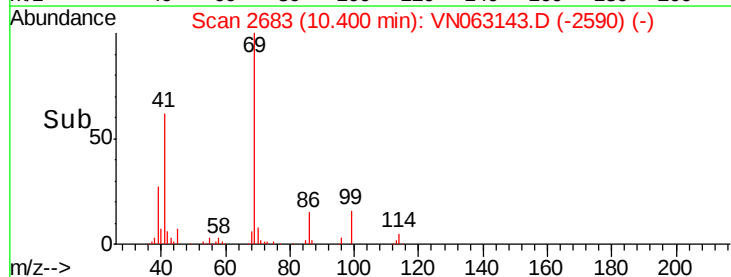
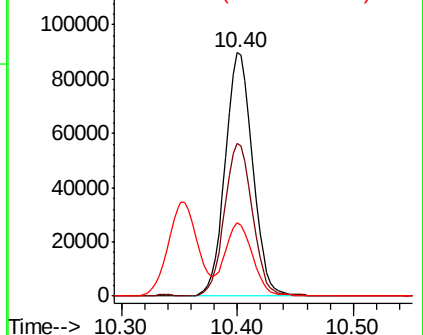
39 30.3 24.2 36.4

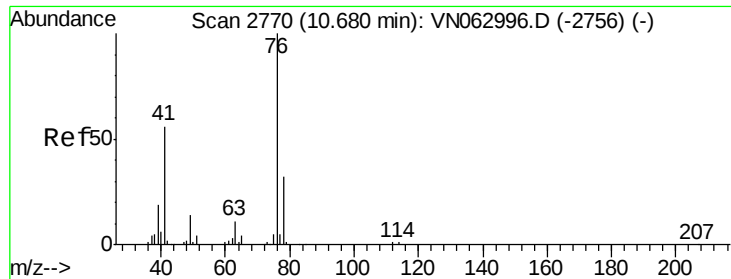


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

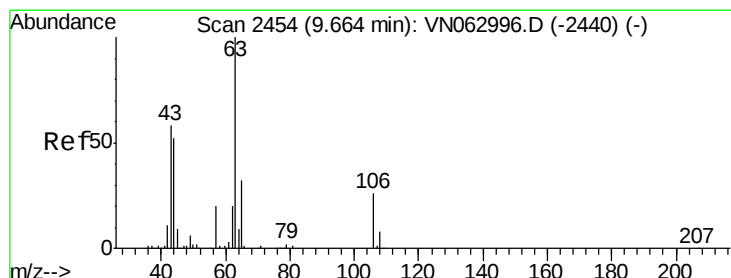
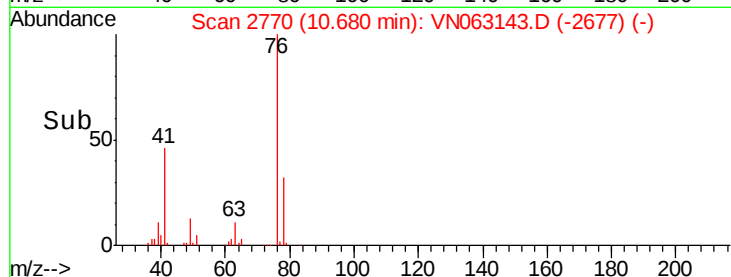
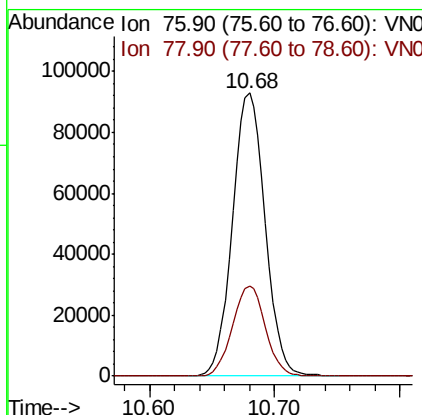
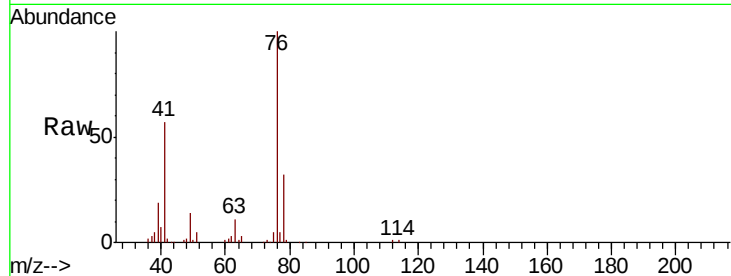




#57
 1,3-Dichloropropane
 Concen: 47.830 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

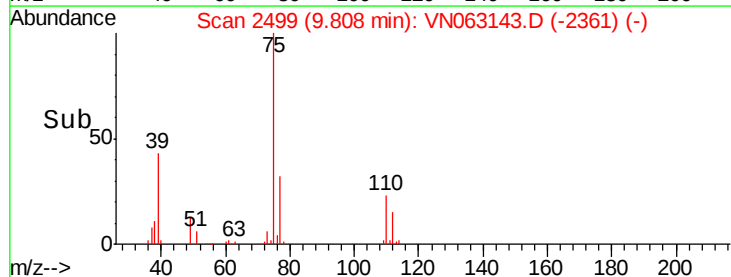
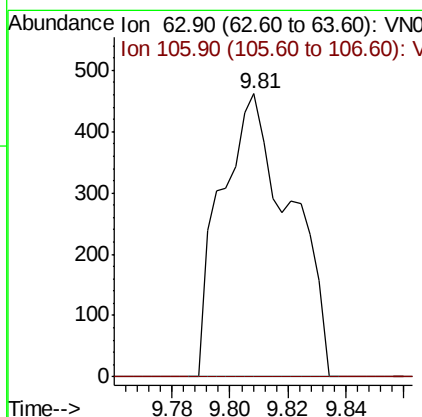
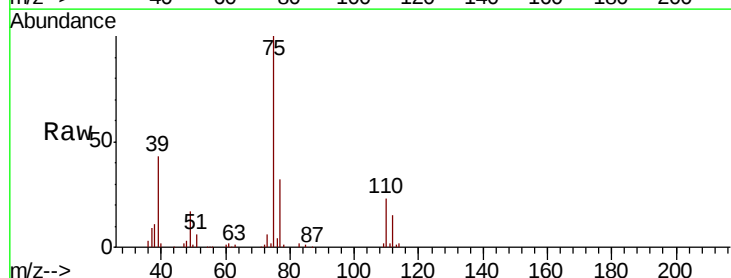
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

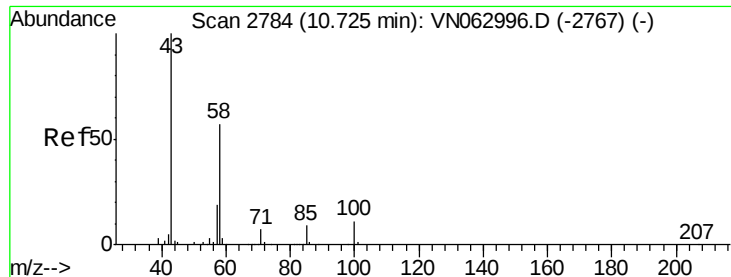
Tot Ion: 76 Resp: 167923
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 13.121 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.15 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Tgt Ion: 63 Resp: 769
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.7 31.1#

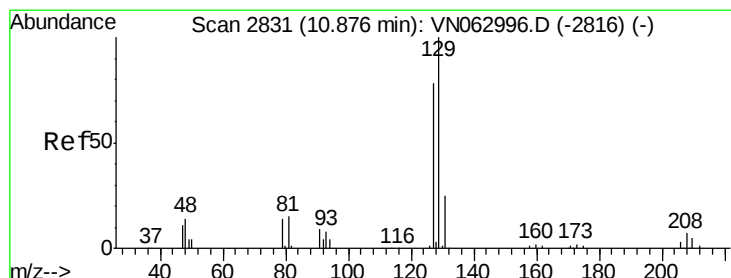
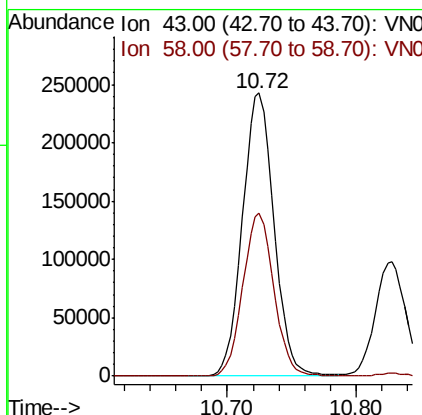
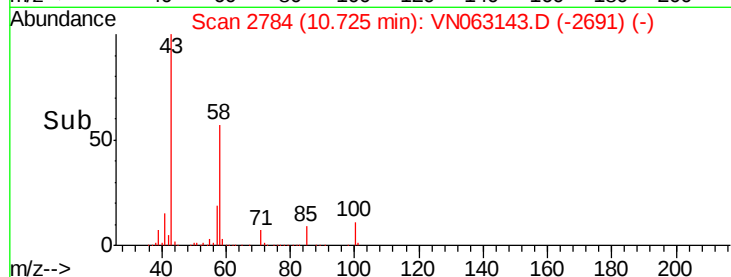
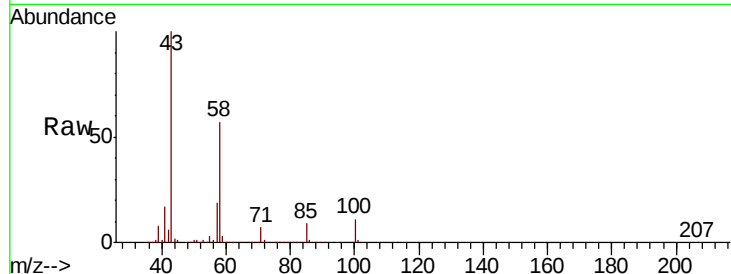




#59
2-Hexanone
Concen: 233.613 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

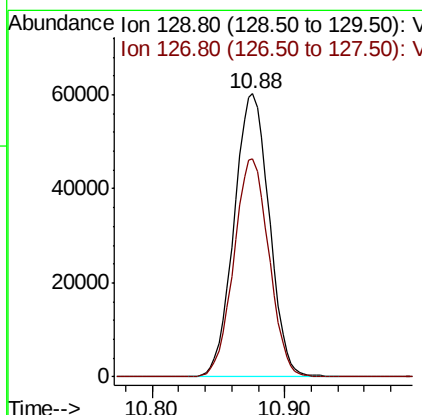
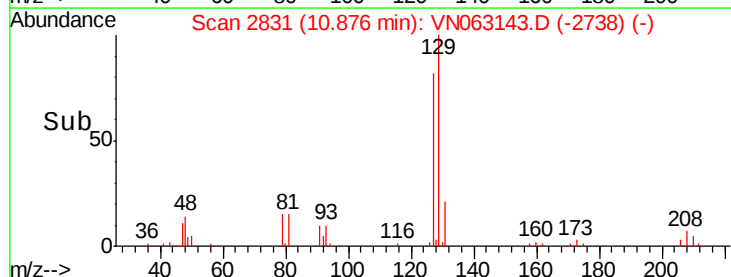
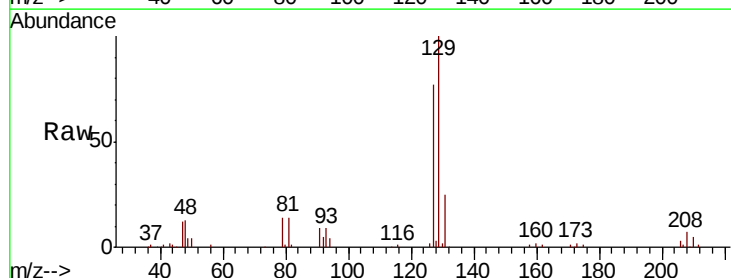
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

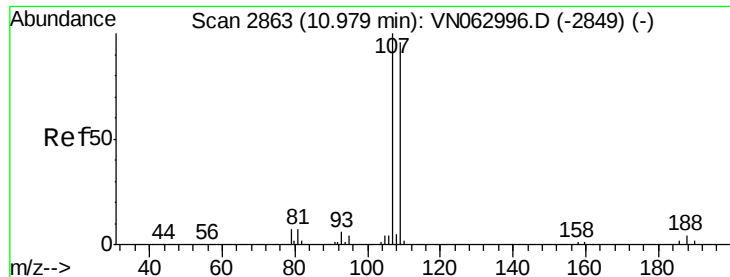
Tot Ion: 43 Resp: 413220
Ion Ratio Lower Upper
43 100
58 56.7 28.1 84.3



#60
Dibromochloromethane
Concen: 47.519 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Tgt Ion: 129 Resp: 111185
Ion Ratio Lower Upper
129 100
127 76.6 38.4 115.2

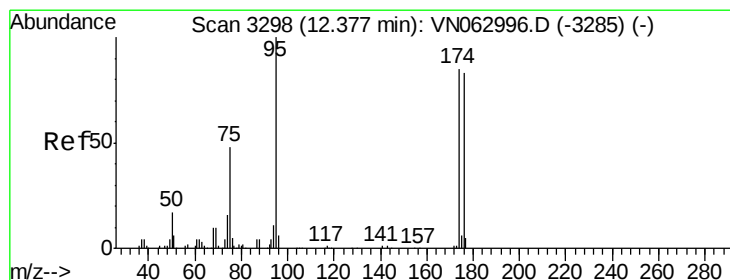
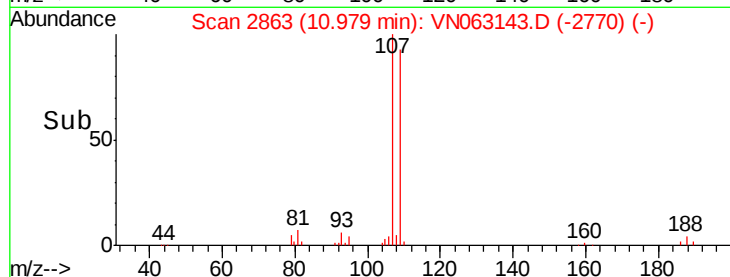
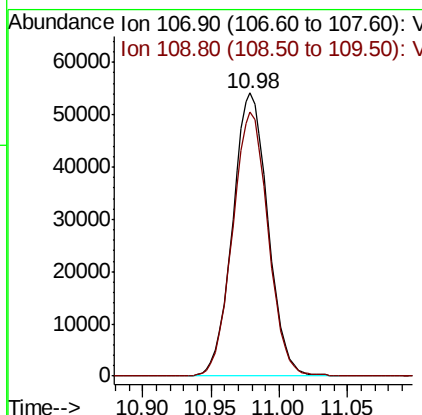
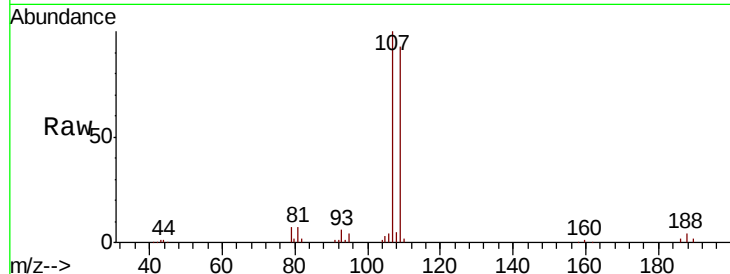




#61
 1,2-Dibromoethane
 Concen: 47.826 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

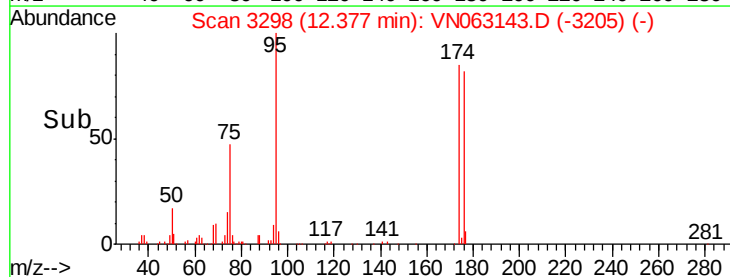
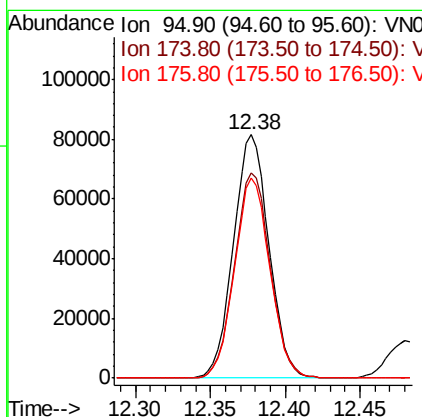
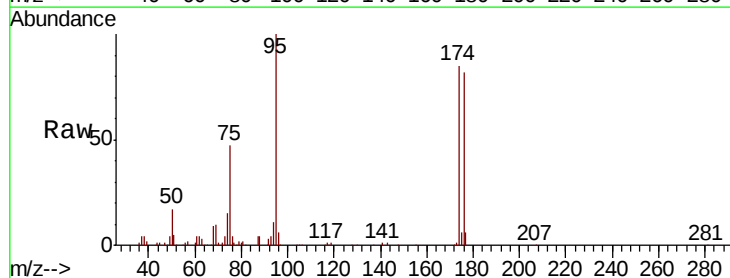
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

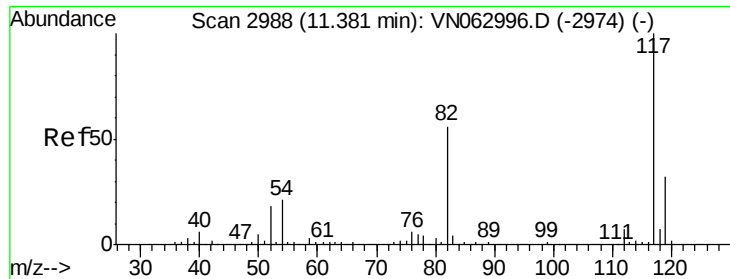
Tot Ion: 107 Resp: 97159
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 52.042 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Tgt Ion: 95 Resp: 134794
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 170.8
 176 82.1 0.0 164.8

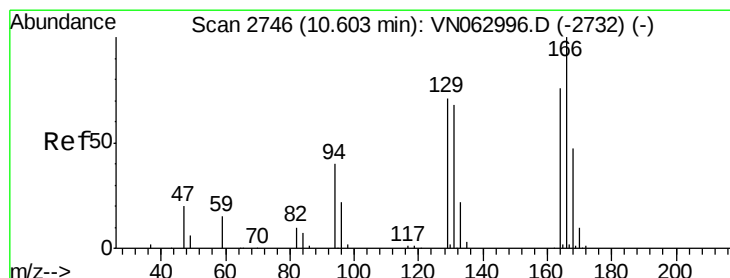
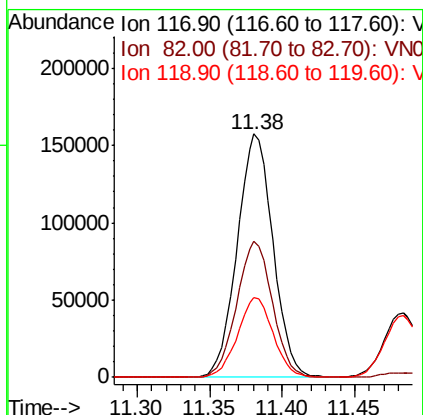
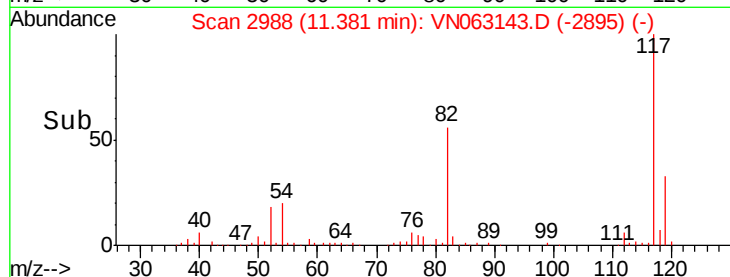
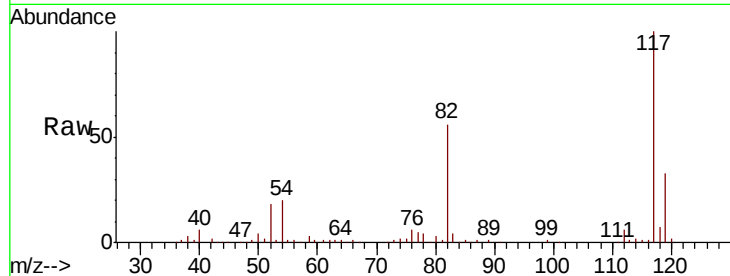




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

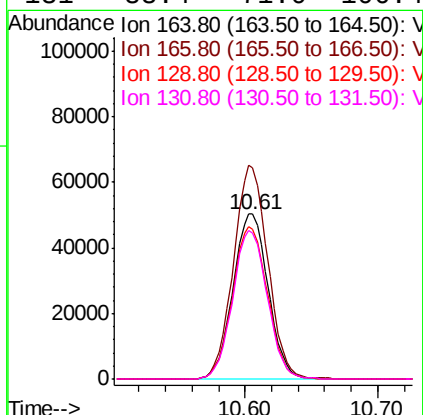
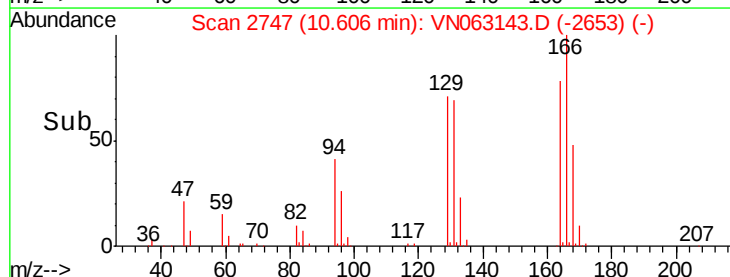
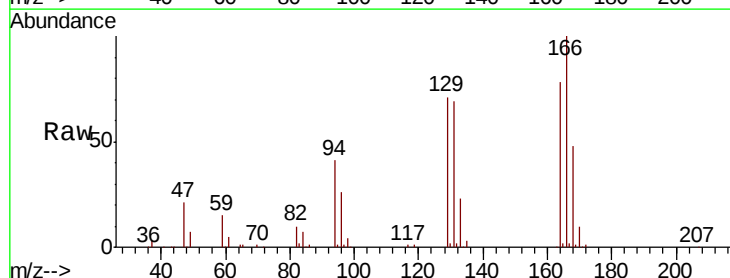
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

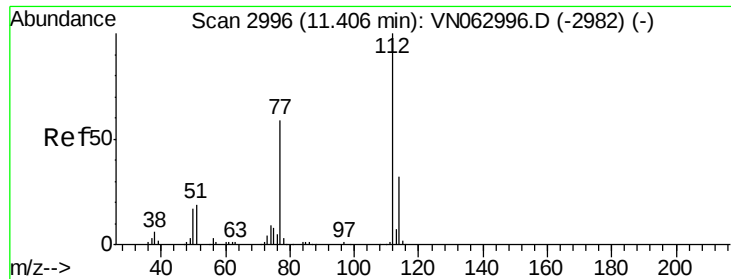
Tot Ion:117 Resp: 269859
Ion Ratio Lower Upper
117 100
82 55.9 44.5 66.7
119 33.0 25.5 38.3



#64
Tetrachloroethene
Concen: 52.174 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. 0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Tgt Ion:164 Resp: 92552
Ion Ratio Lower Upper
164 100
166 128.1 105.0 157.6
129 90.5 74.7 112.1
131 88.4 71.0 106.4

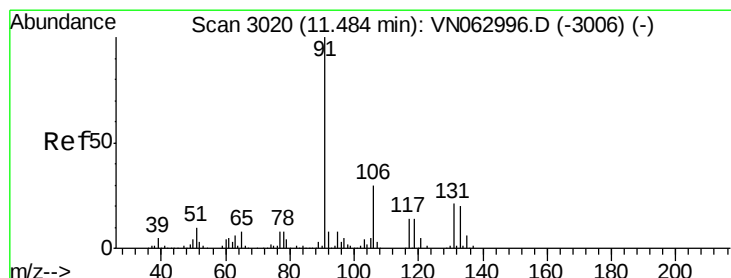
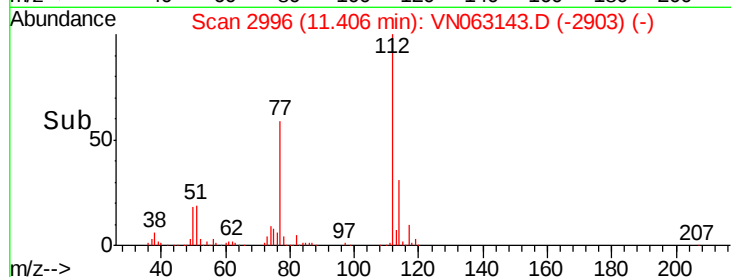
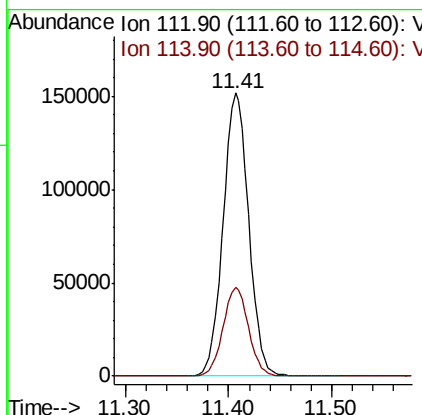
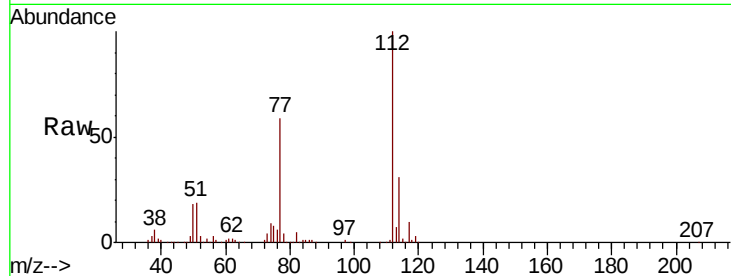




#65
Chlorobenzene
Concen: 48.279 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

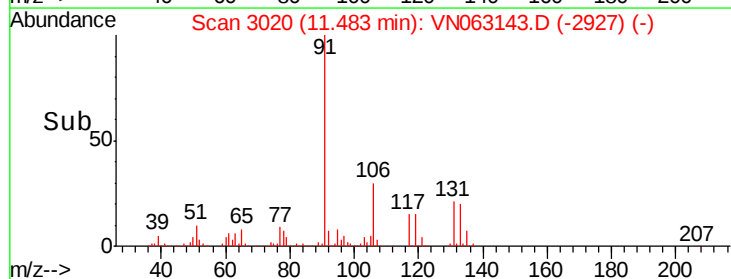
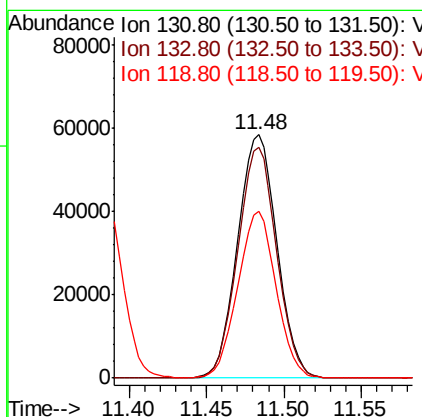
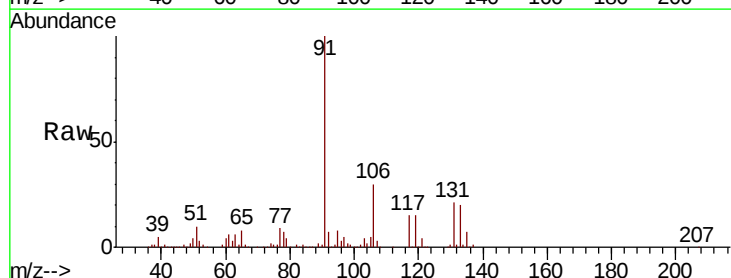
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

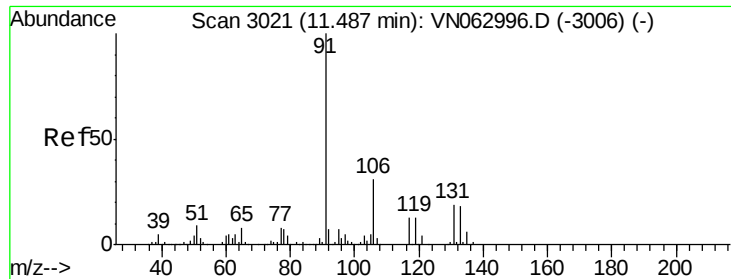
Tot Ion:112 Resp: 261662
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 49.055 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Tgt Ion:131 Resp: 103410
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.6
119 67.1 33.1 99.3

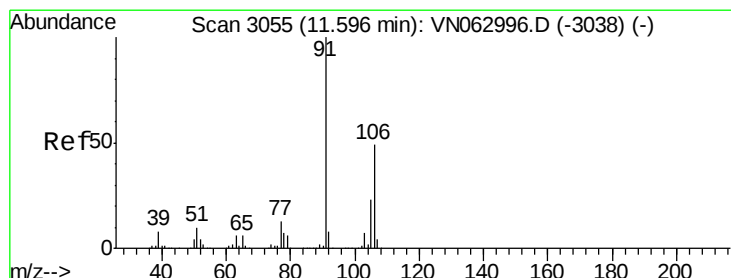
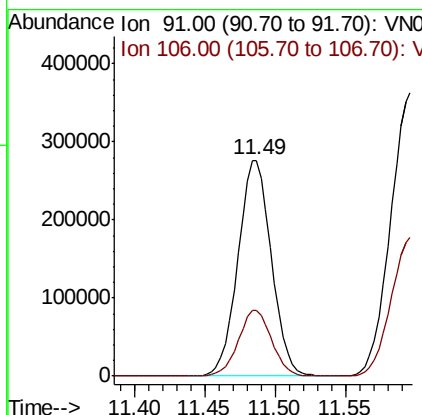
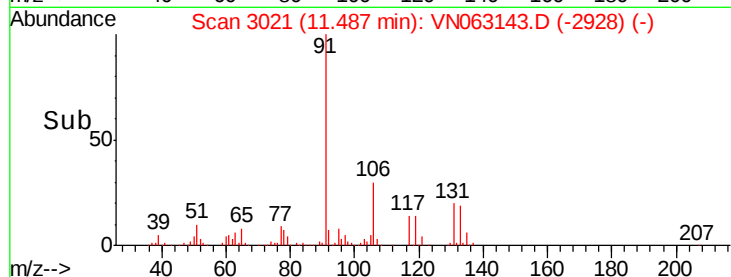
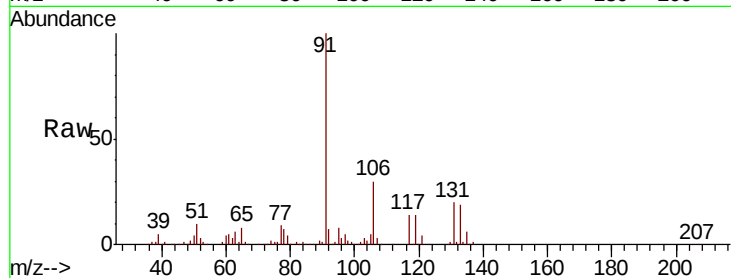




#67
Ethyl Benzene
Concen: 50.189 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

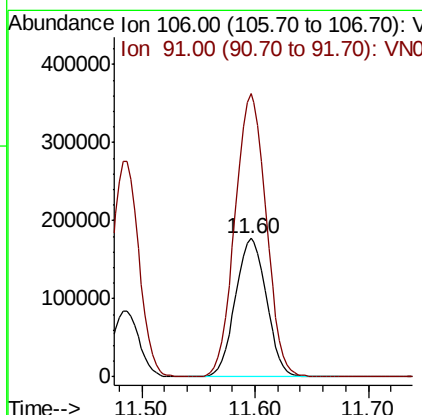
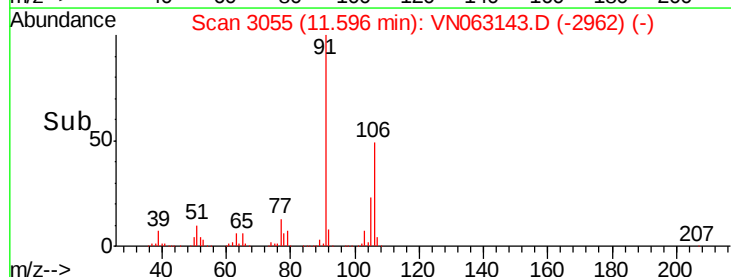
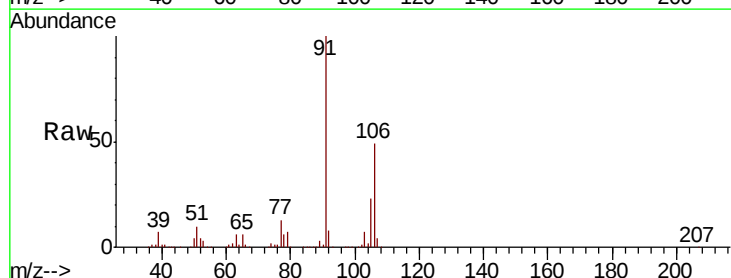
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

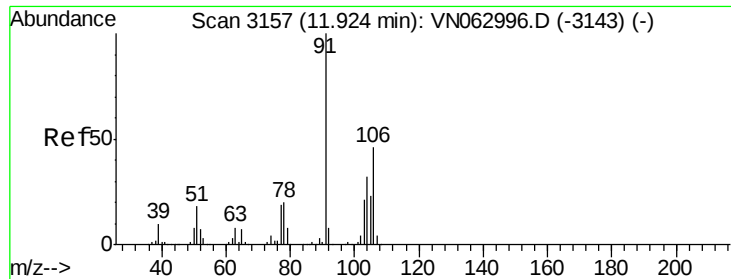
Tot Ion: 91 Resp: 459621
Ion Ratio Lower Upper
91 100
106 30.4 24.6 37.0



#68
m/p-Xylenes
Concen: 99.839 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Tgt Ion: 106 Resp: 339817
Ion Ratio Lower Upper
106 100
91 205.1 163.0 244.4

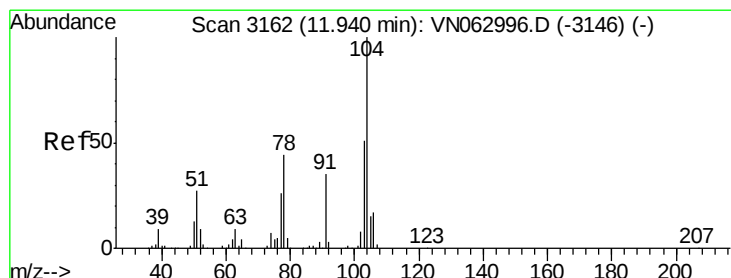
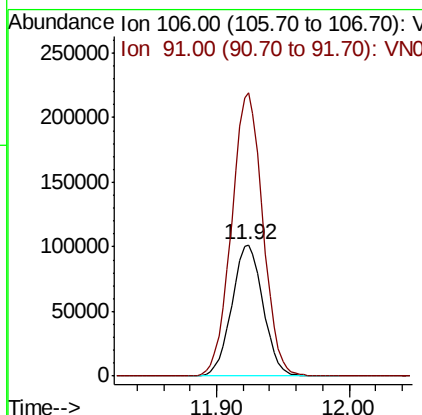
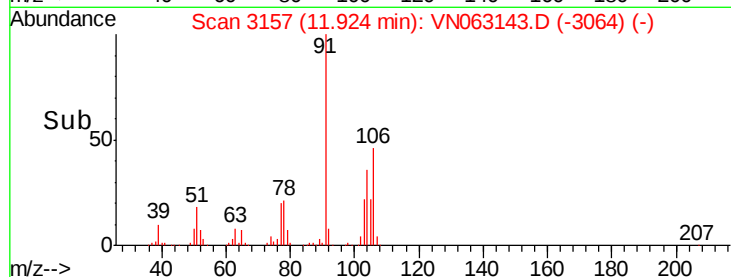
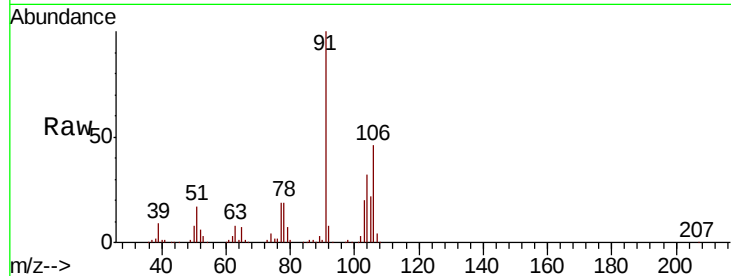




#69
o-Xylene
Concen: 50.908 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

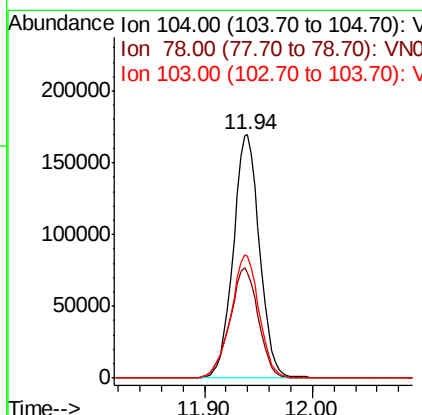
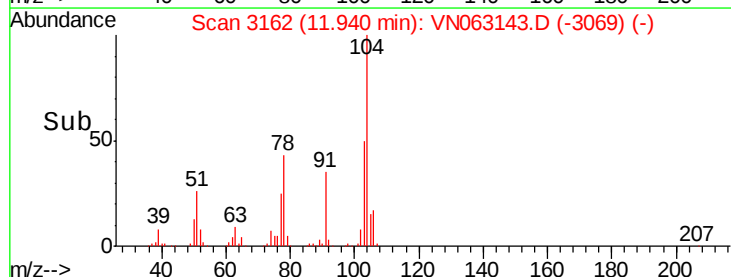
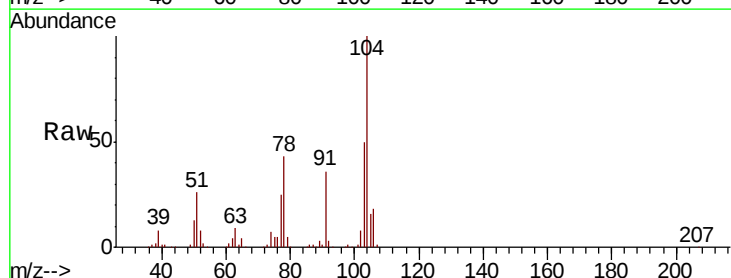
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

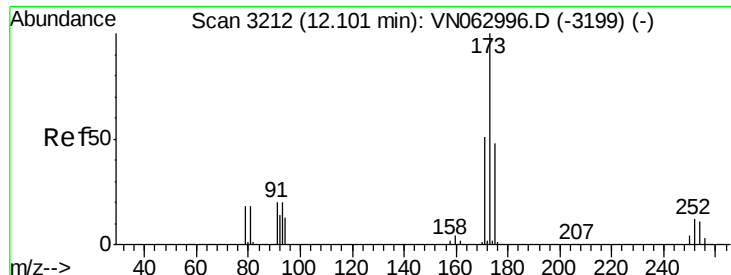
Tot Ion:106 Resp: 166391
Ion Ratio Lower Upper
106 100
91 215.5 107.3 321.9



#70
Styrene
Concen: 44.796 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Tgt Ion:104 Resp: 289205
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.6
103 54.4 44.3 66.5

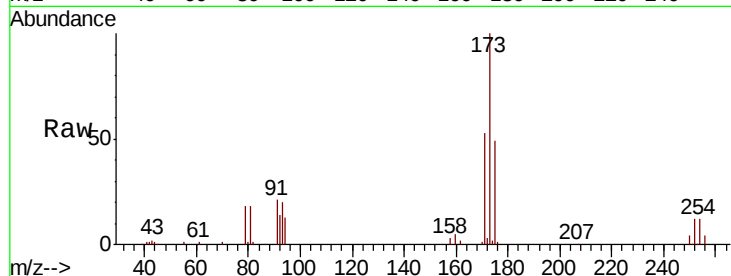




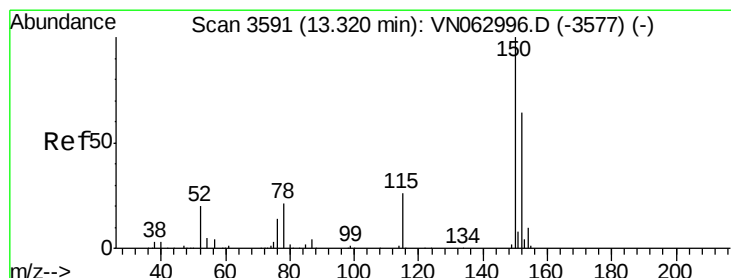
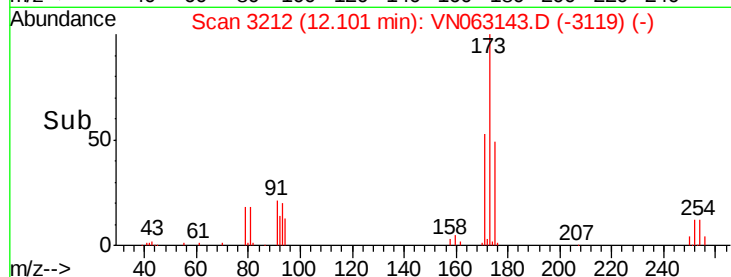
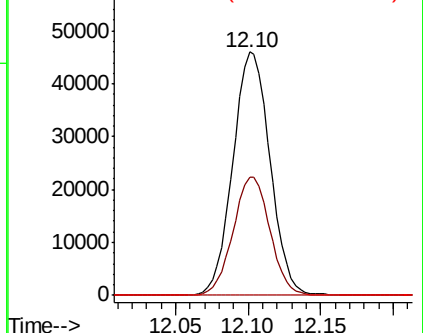
#71
Bromoform
Concen: 48.911 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

Tot Ion:173 Resp: 82070
Ion Ratio Lower Upper
173 100
175 48.0 24.3 72.8
254 0.0 0.0 0.0

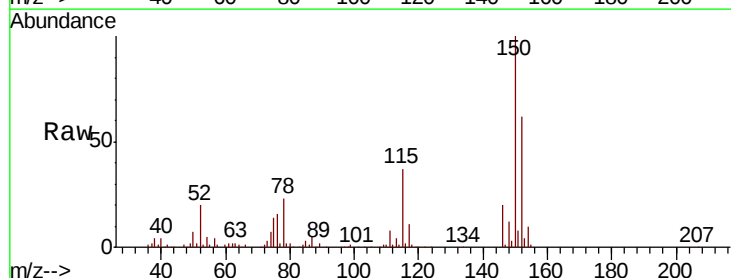


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

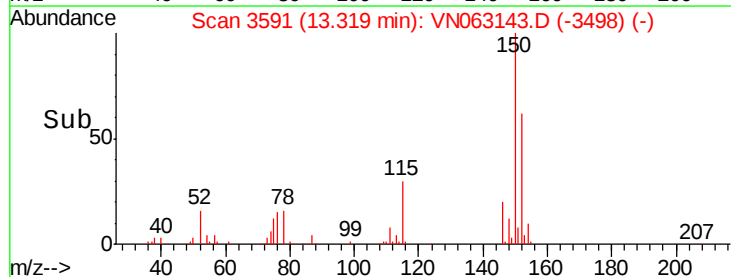
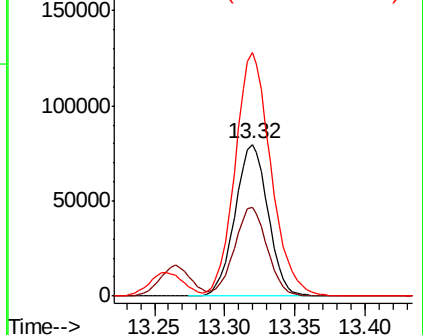


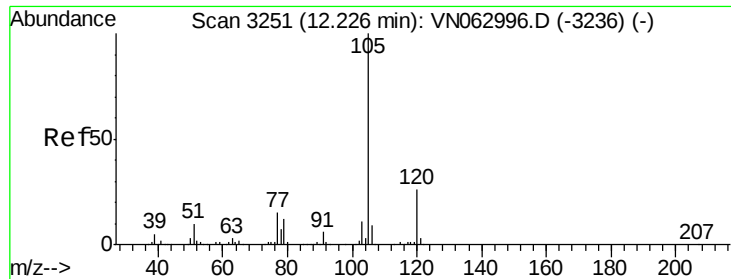
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Tgt Ion:152 Resp: 130896
Ion Ratio Lower Upper
152 100
115 58.3 28.7 86.3
150 174.0 0.0 348.8



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: 48.720 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

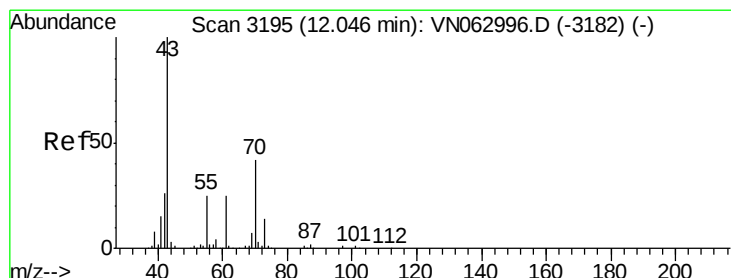
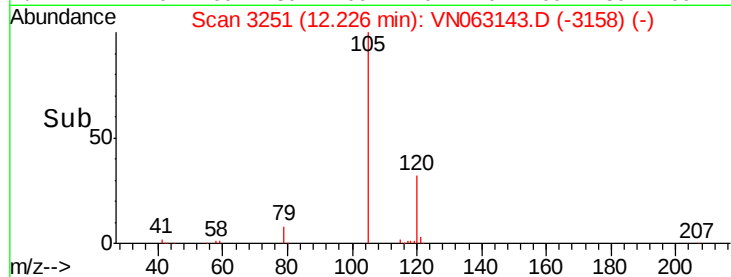
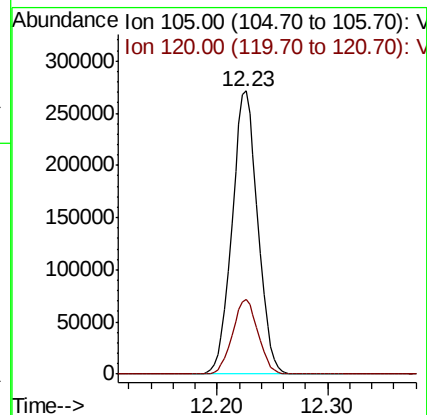
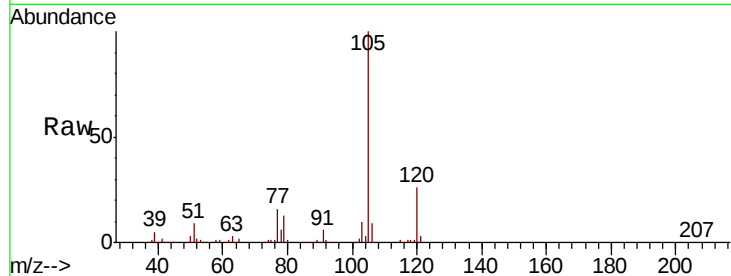
BP-VPB181-GW-498-500MS

Tot Ion:105 Resp: 436719

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



#74

N-ethyl acetate

Concen: 52.530 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Tgt Ion: 43 Resp: 168642

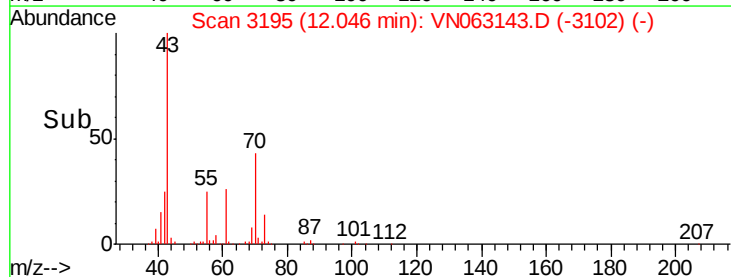
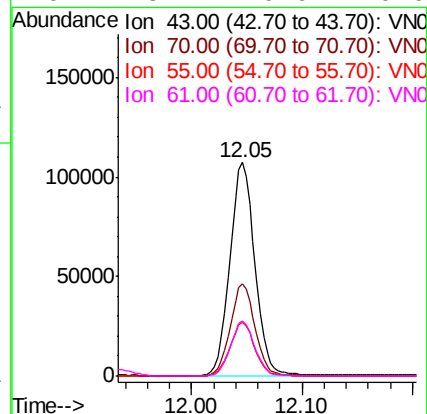
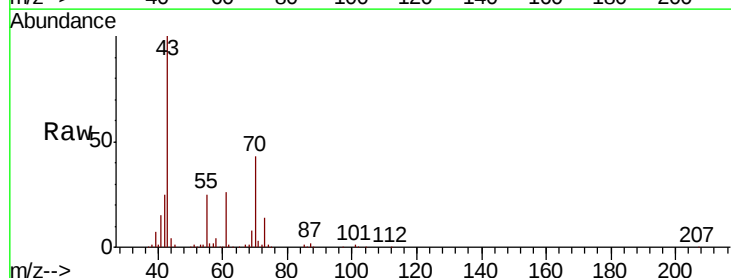
Ion Ratio Lower Upper

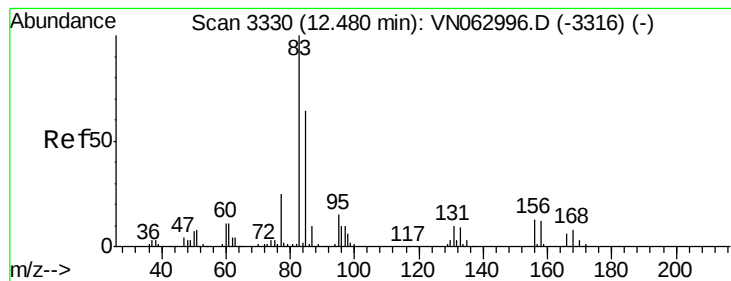
43 100

70 42.8 33.4 50.0

55 25.0 20.2 30.2

61 25.2 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.513 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

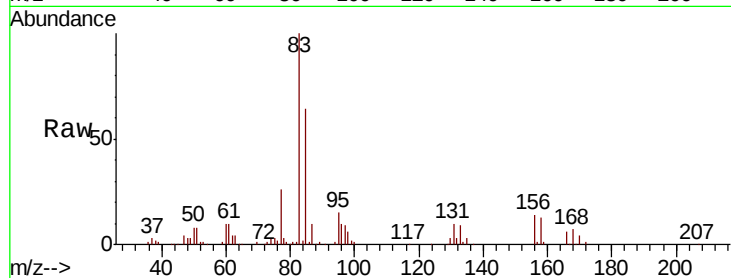
Tot Ion: 83 Resp: 140470

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

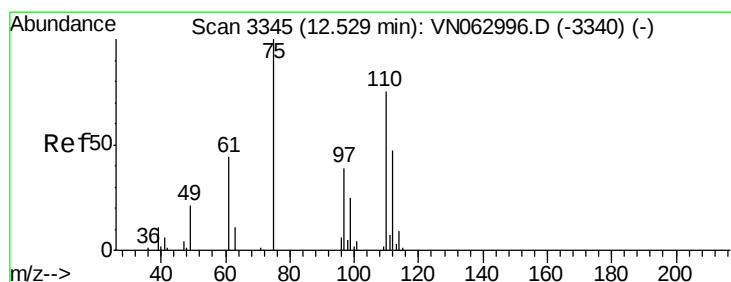
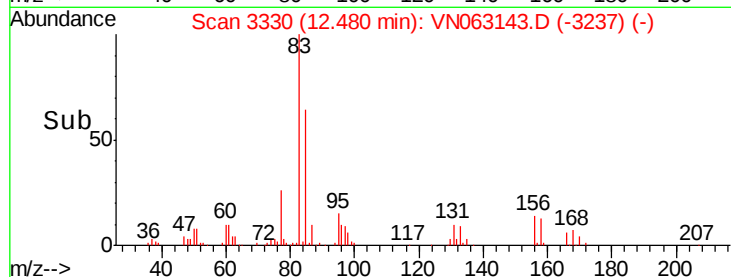
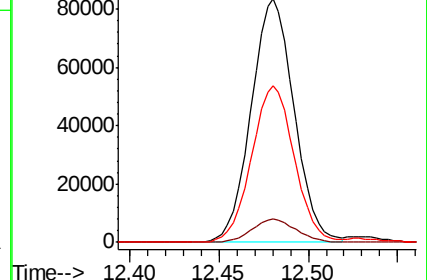
85 63.8 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 69.989 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN063143.D

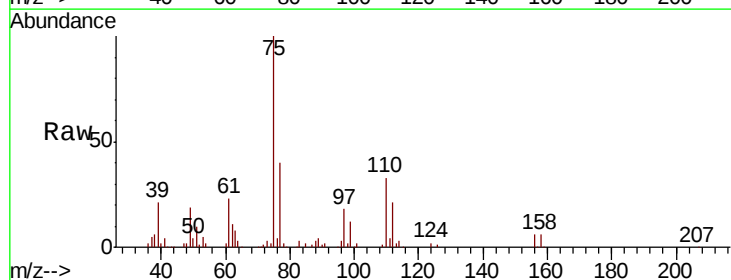
Acq: 26 Aug 2020 19:23

Tgt Ion: 75 Resp: 178075

Ion Ratio Lower Upper

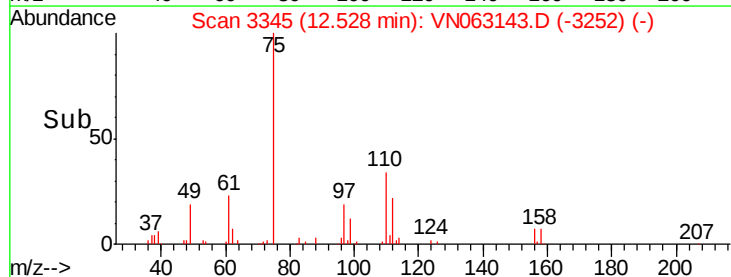
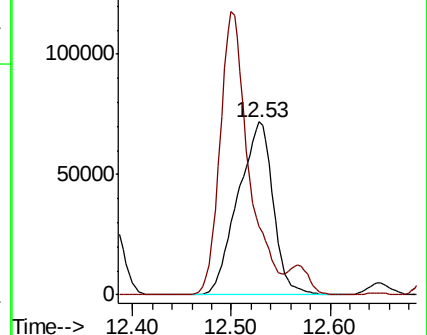
75 100

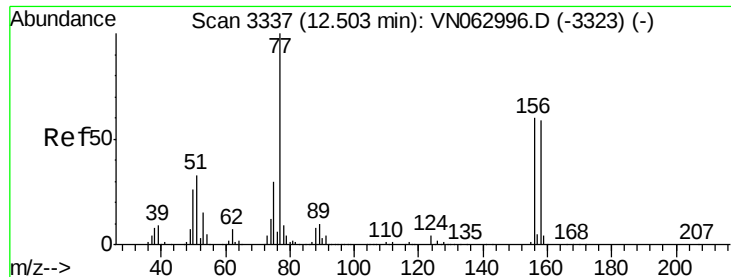
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.656 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

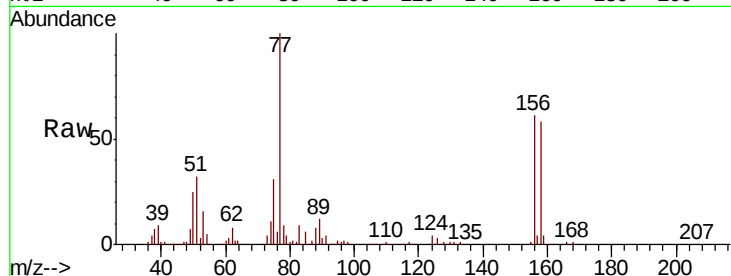
Tot Ion:156 Resp: 119951

Ion Ratio Lower Upper

156 100

77 199.5 101.0 302.9

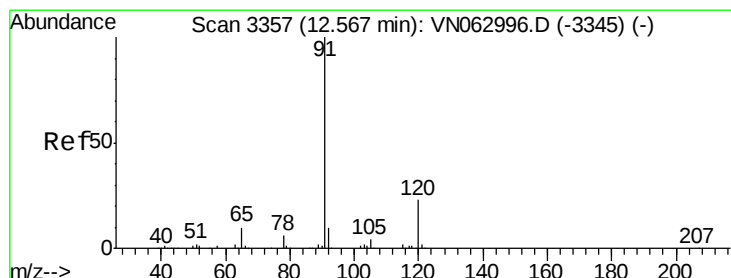
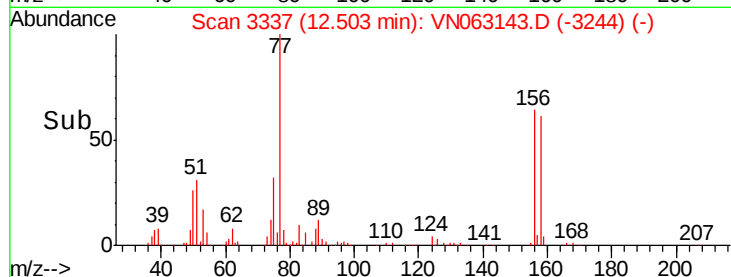
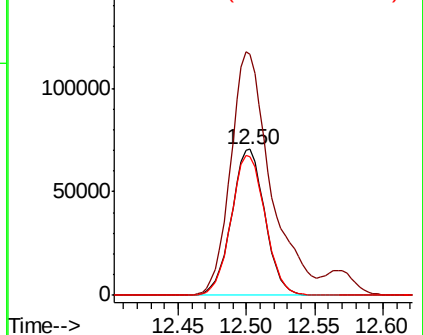
158 97.8 49.4 148.0



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: 48.797 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN063143.D

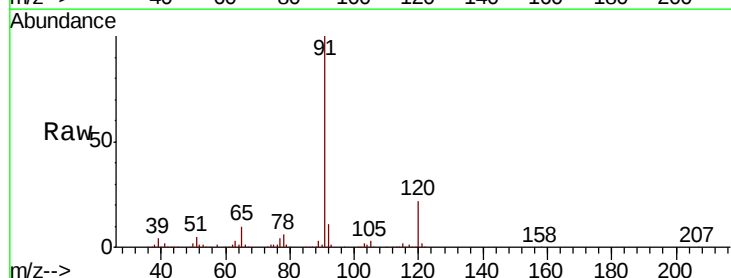
Acq: 26 Aug 2020 19:23

Tgt Ion: 91 Resp: 498563

Ion Ratio Lower Upper

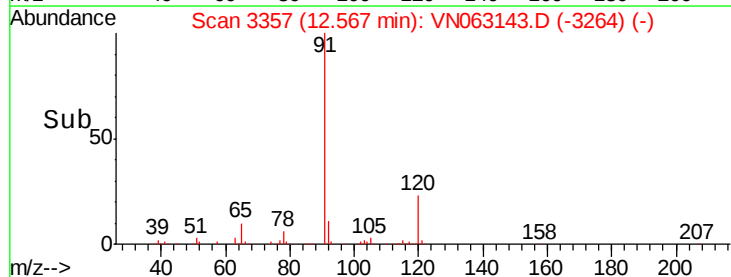
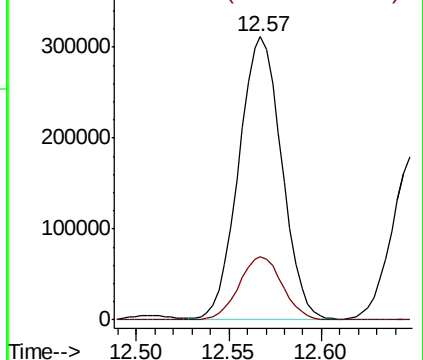
91 100

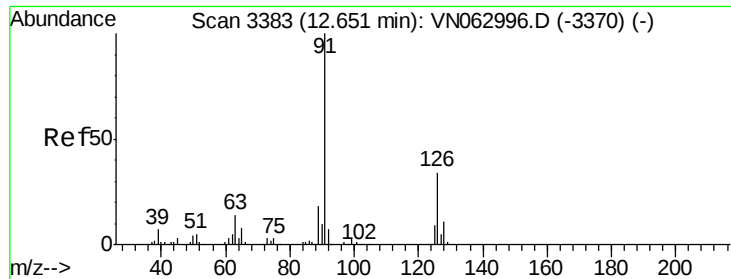
120 22.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.625 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

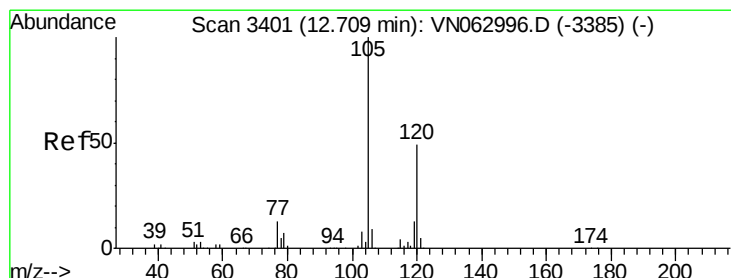
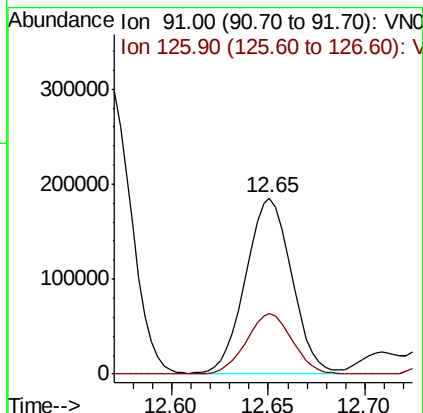
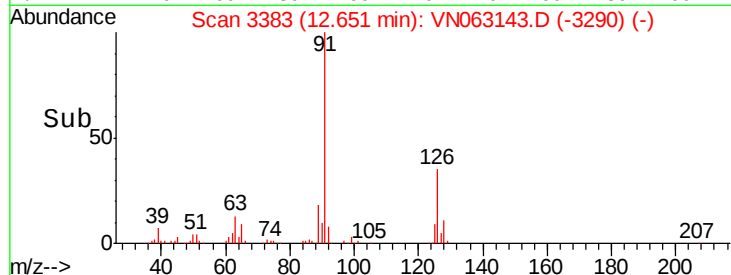
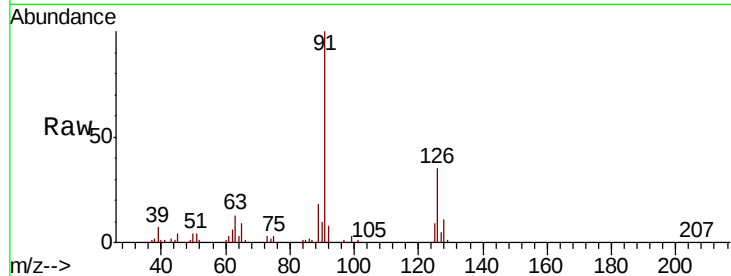
BP-VPB181-GW-498-500MS

Tot Ion: 91 Resp: 306056

Ion Ratio Lower Upper

91 100

126 34.6 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 48.712 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063143.D

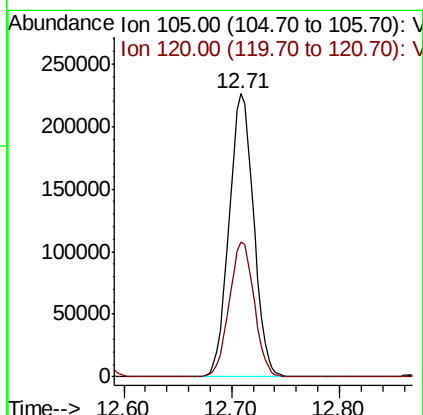
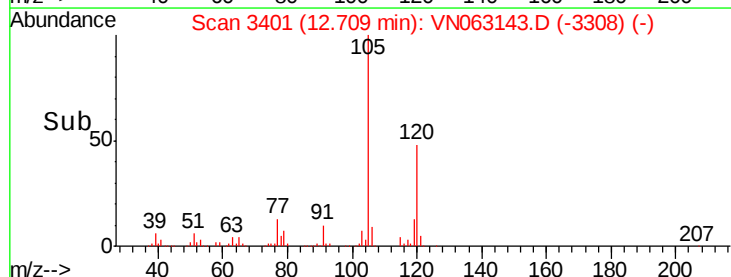
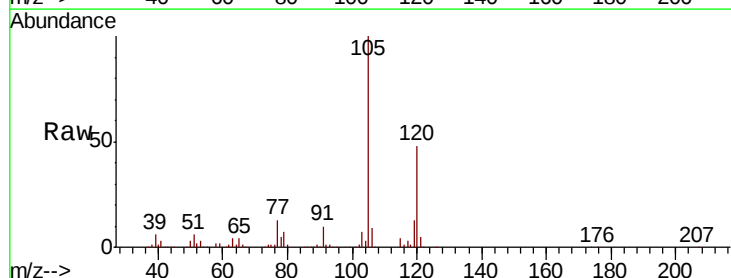
Acq: 26 Aug 2020 19:23

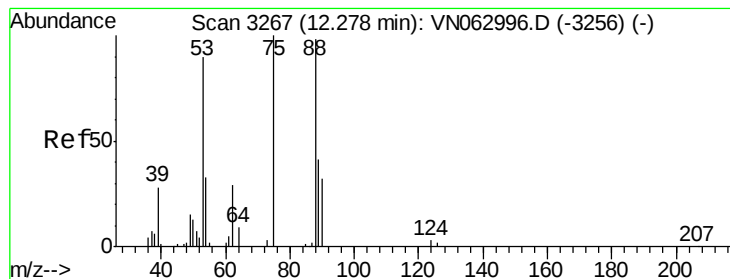
Tgt Ion: 105 Resp: 360954

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.972 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

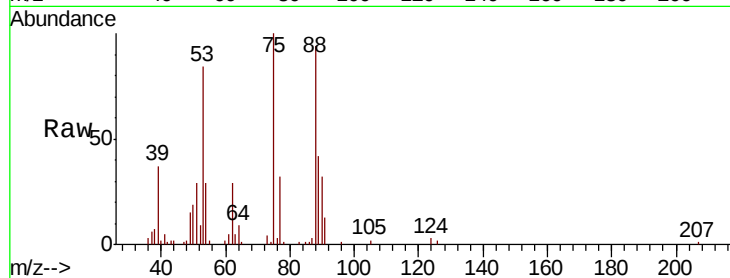
Tot Ion: 75 Resp: 48147

Ion Ratio Lower Upper

75 100

53 84.7 69.2 103.8

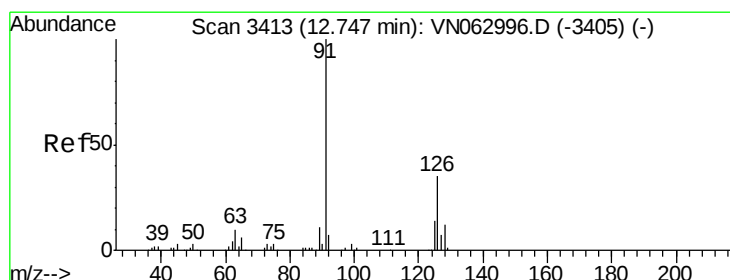
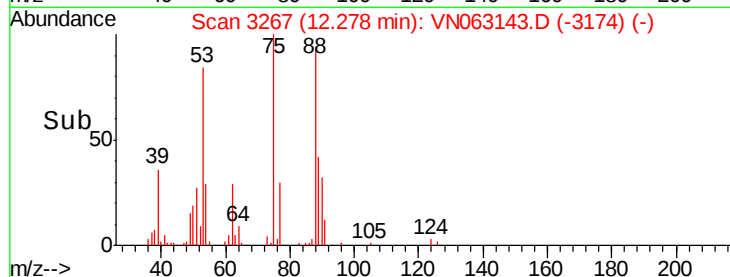
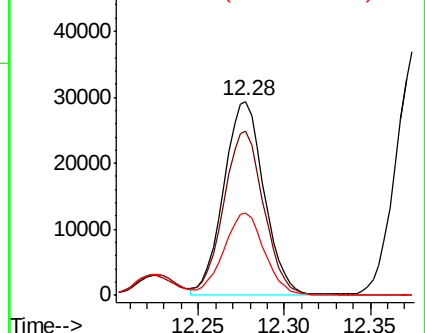
89 42.8 34.2 51.4



Abundance Ion 74.90 (74.60 to 75.60): VN062996.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062996.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062996.D (-3256) (-)



#82

4-Chlorotoluene

Concen: 49.877 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN063143.D

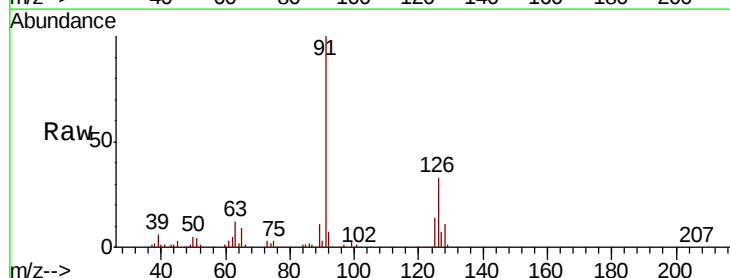
Acq: 26 Aug 2020 19:23

Tgt Ion: 91 Resp: 326382

Ion Ratio Lower Upper

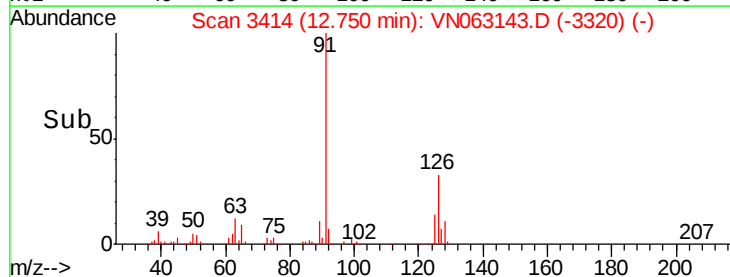
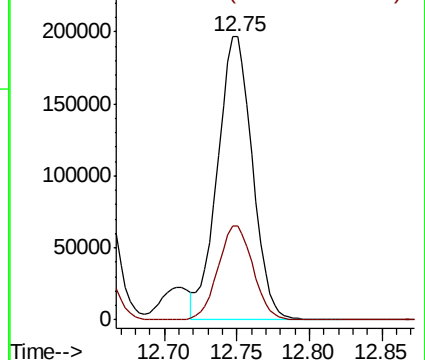
91 100

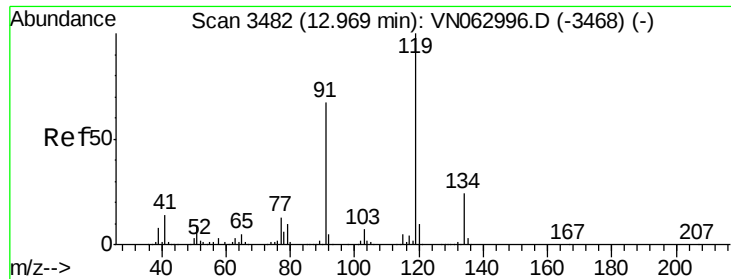
126 33.2 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3405) (-)

Ion 125.90 (125.60 to 126.60): VN062996.D (-3405) (-)

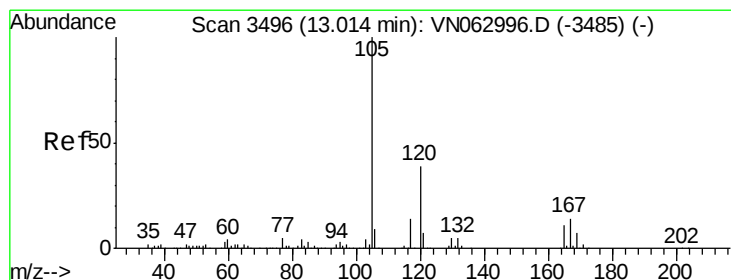
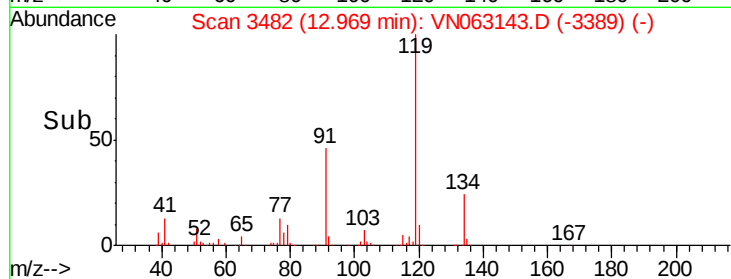
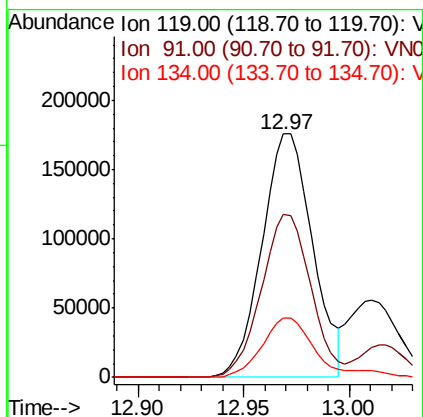
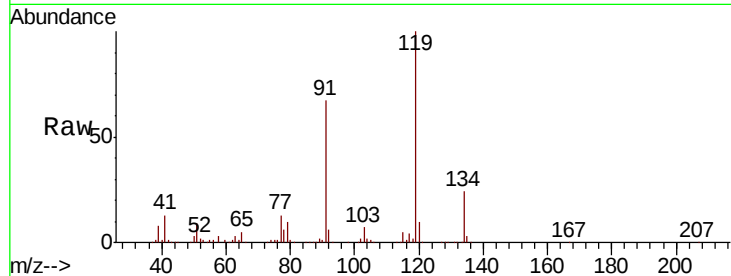




#83
 tert-Butylbenzene
 Concen: 46.016 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

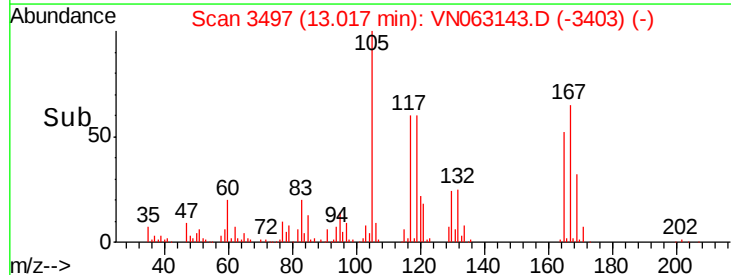
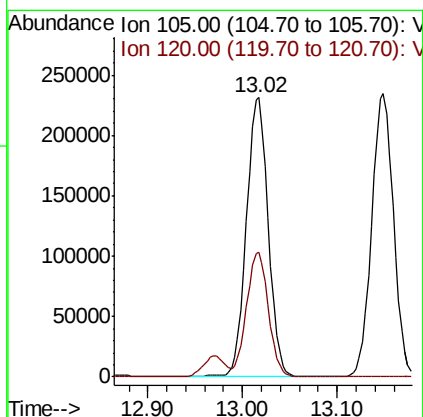
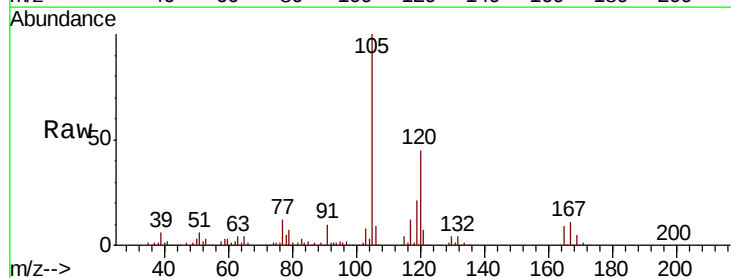
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

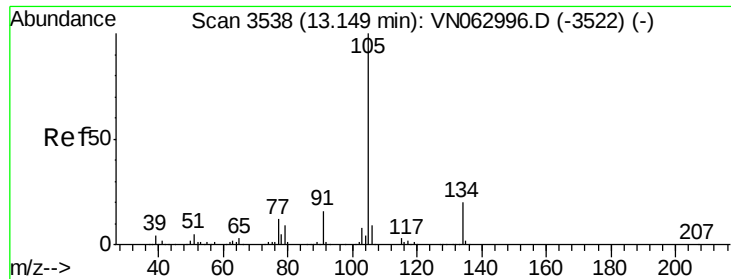
Tot Ion:119 Resp: 294298
 Ion Ratio Lower Upper
 119 100
 91 65.4 32.5 97.4
 134 26.2 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 51.389 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Tgt Ion:105 Resp: 370965
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.5 67.5





#85

sec-Butylbenzene

Concen: 43.327 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

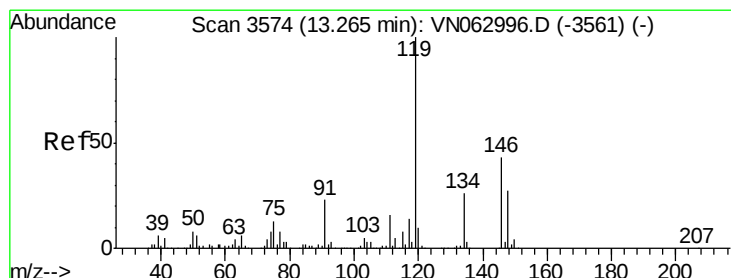
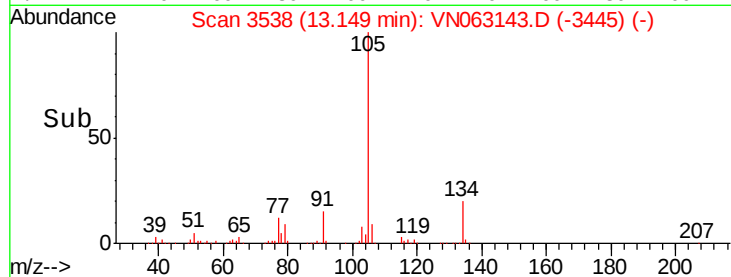
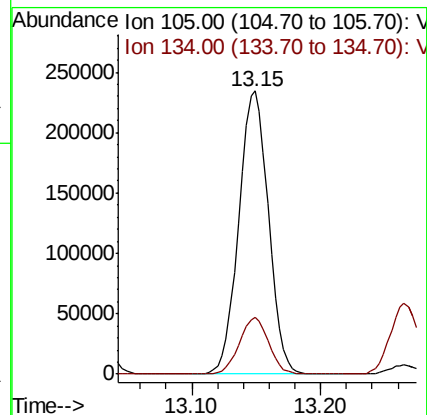
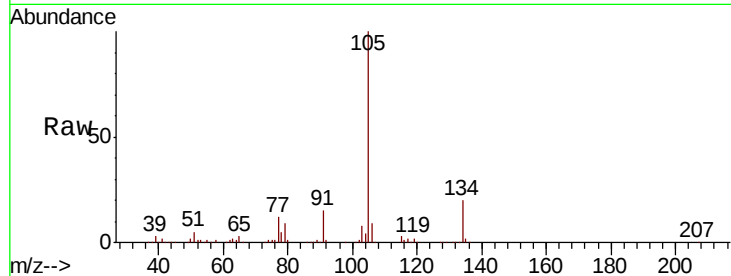
BP-VPB181-GW-498-500MS

Tot Ion:105 Resp: 374495

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.4



#86

p-Isopropyltoluene

Concen: 45.476 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN063143.D

Acq: 26 Aug 2020 19:23

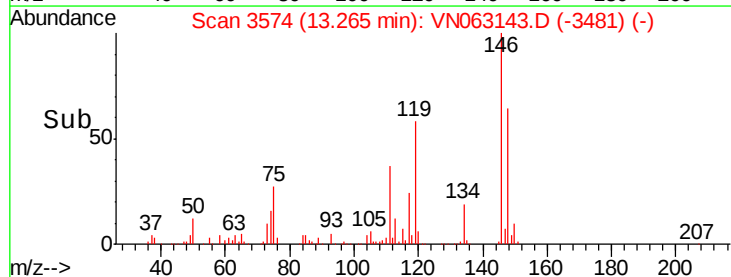
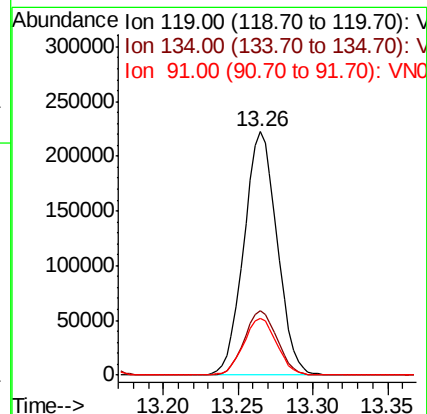
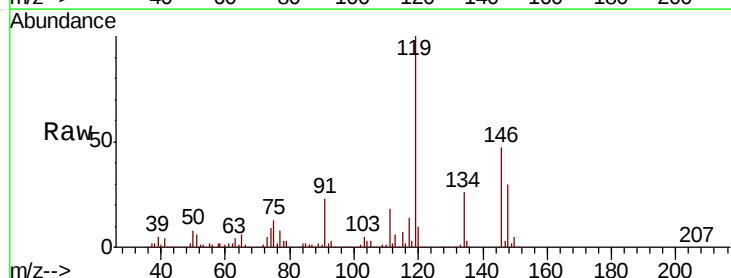
Tgt Ion:119 Resp: 342495

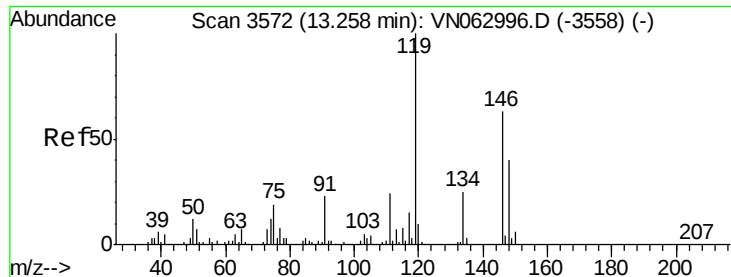
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 23.5 11.5 34.4

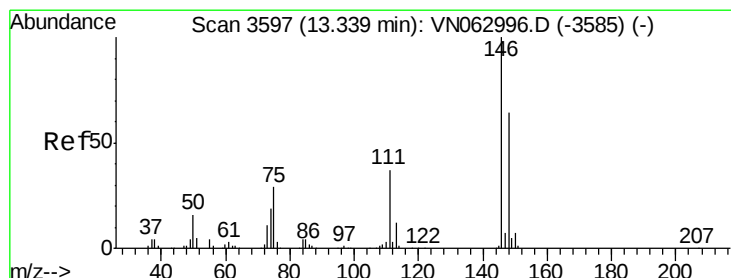
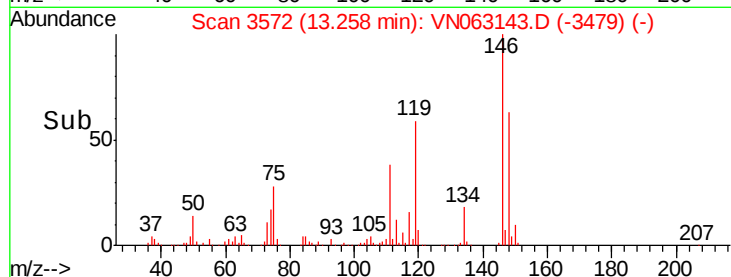
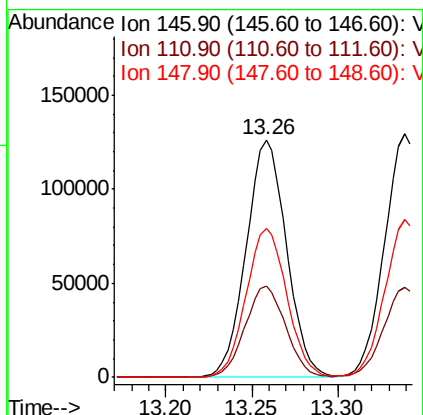
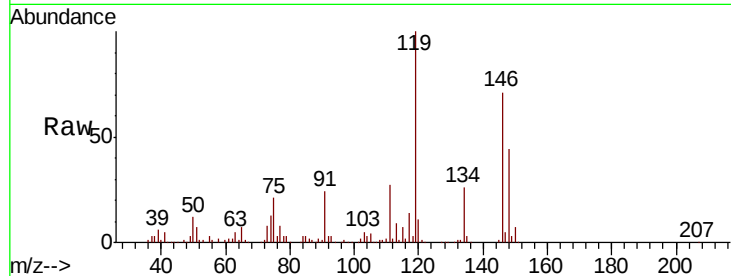




#87
 1,3-Dichlorobenzene
 Concen: 48.549 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

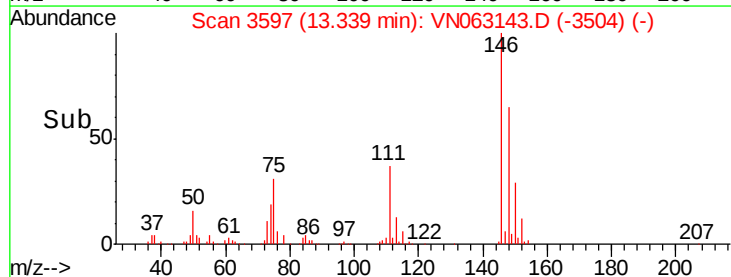
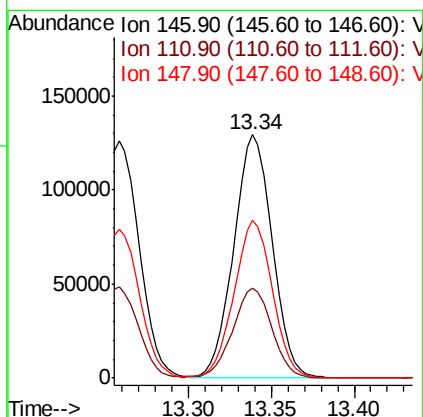
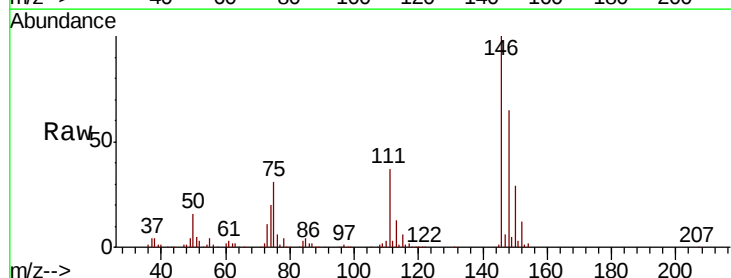
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

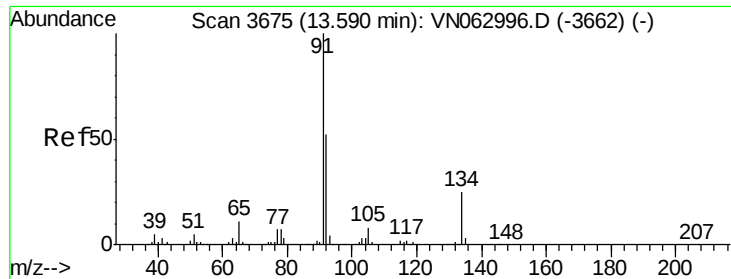
Tot Ion:146 Resp: 205692
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.4 58.1
 148 63.4 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 48.425 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Tgt Ion:146 Resp: 208240
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.4
 148 64.7 32.4 97.0

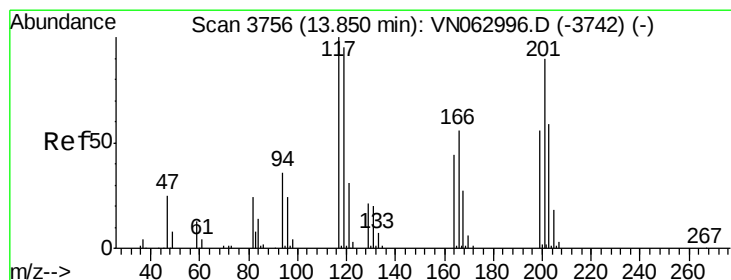
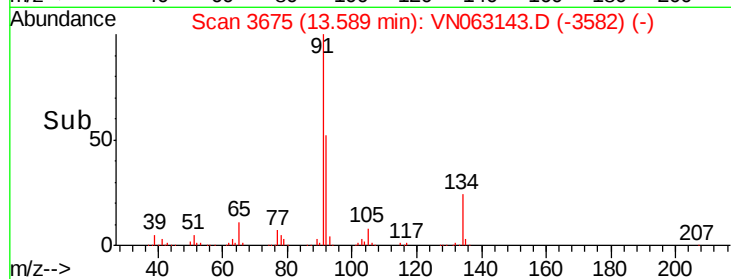
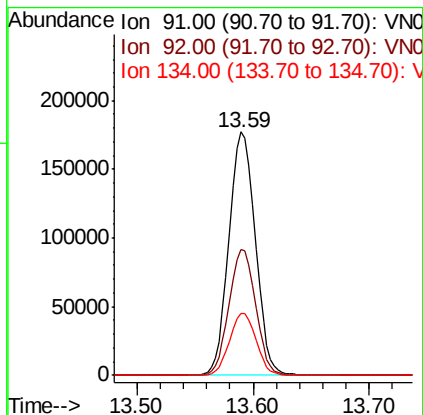
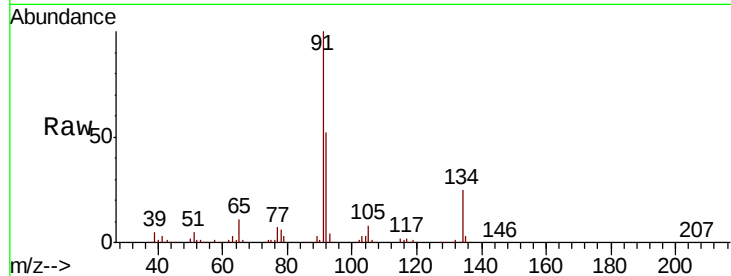




#89
n-Butylbenzene
Concen: 39.671 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

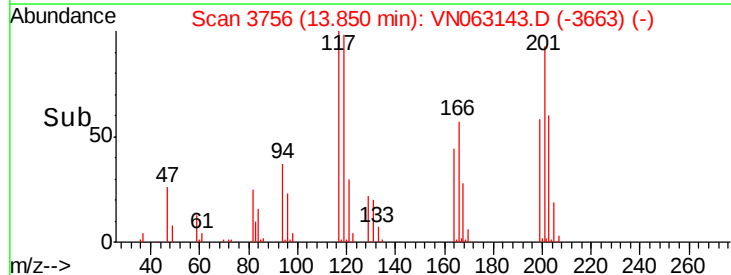
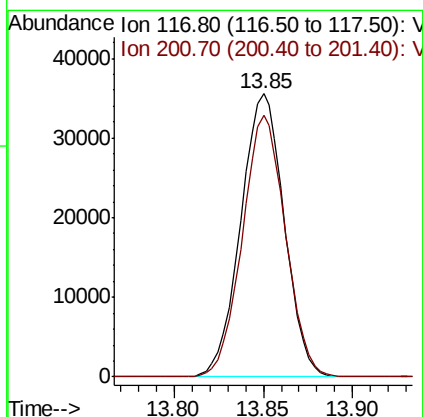
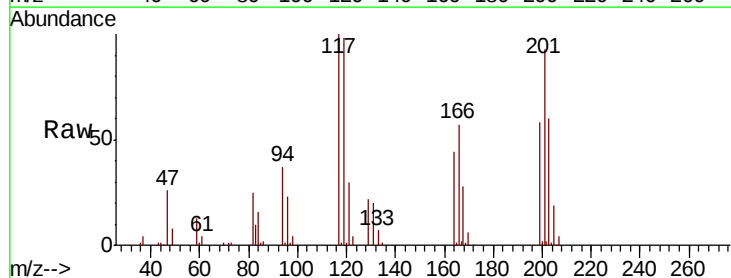
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

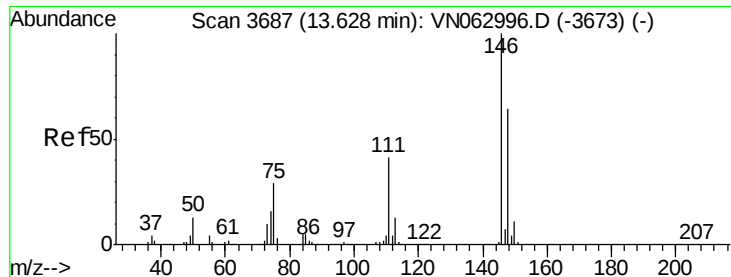
Tot Ion: 91 Resp: 278847
Ion Ratio Lower Upper
91 100
92 51.9 25.9 77.6
134 25.5 12.4 37.0



#90
Hexachloroethane
Concen: 37.835 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Tgt Ion: 117 Resp: 60564
Ion Ratio Lower Upper
117 100
201 91.5 44.1 132.4

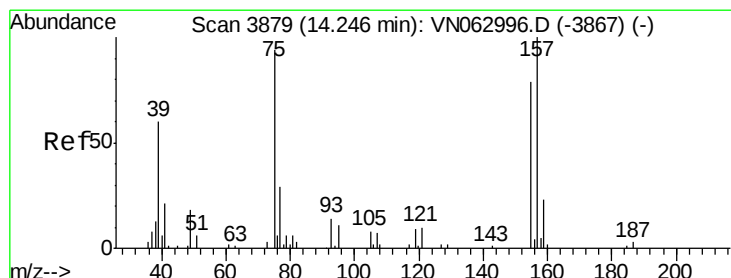
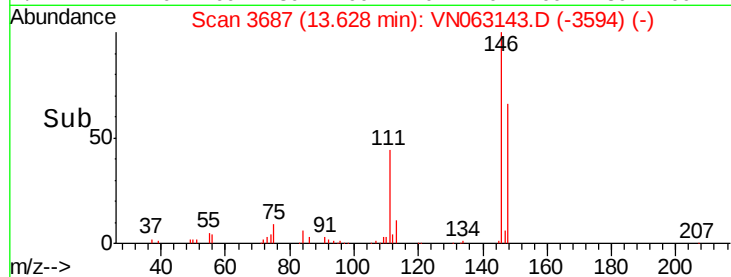
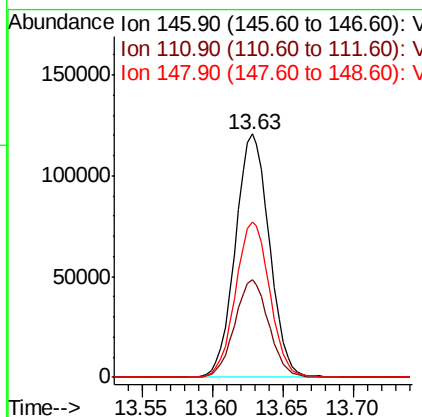
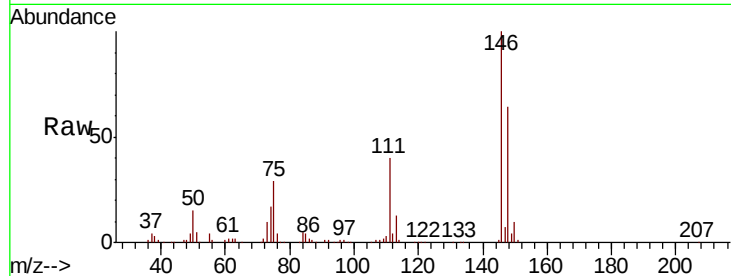




#91
 1,2-Dichlorobenzene
 Concen: 49.960 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

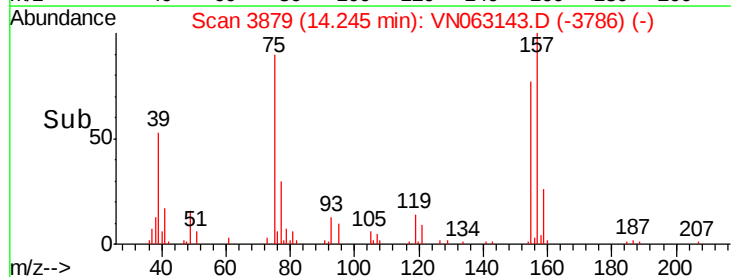
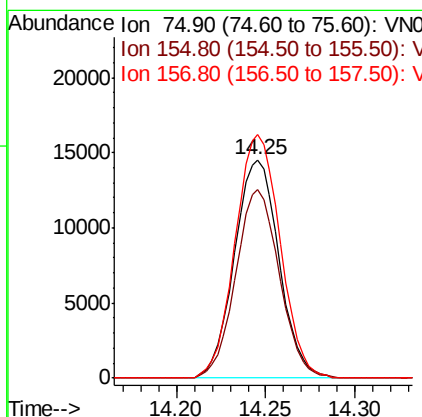
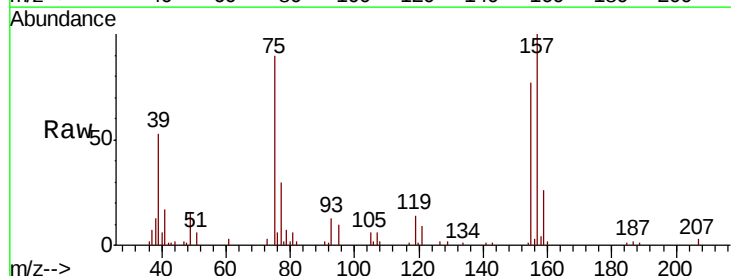
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

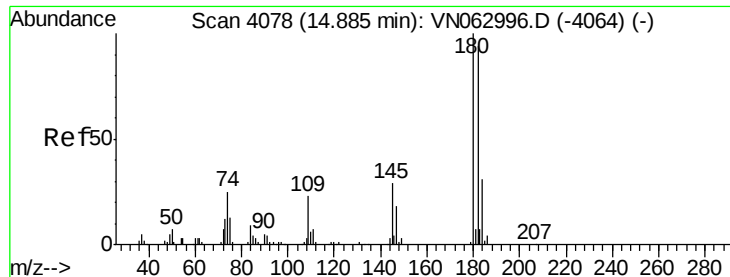
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.5
148	64.4	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.868 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	42.4	127.1
157	112.5	55.2	165.6

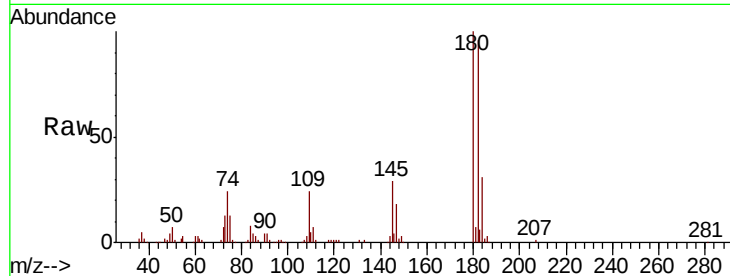




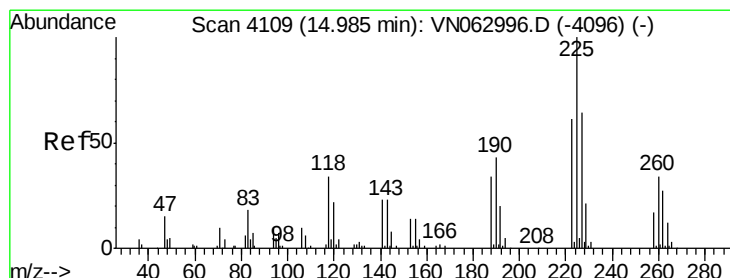
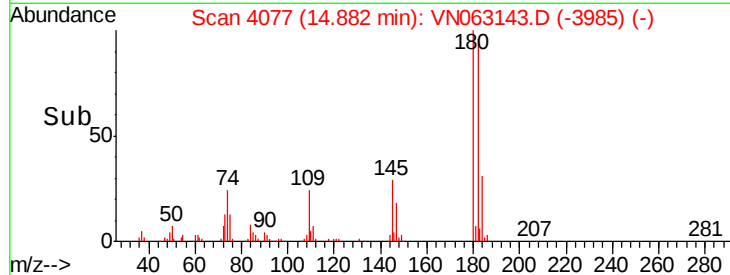
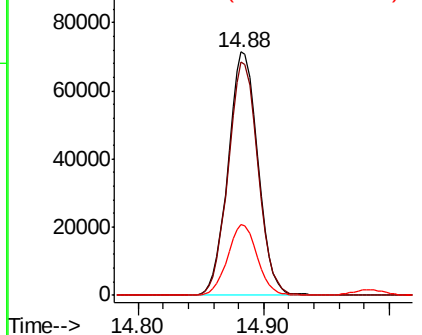
#93
 1,2,4-Trichlorobenzene
 Concen: 51.729 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion:180 Resp: 117742
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.0 141.2
 145 28.6 14.1 42.4

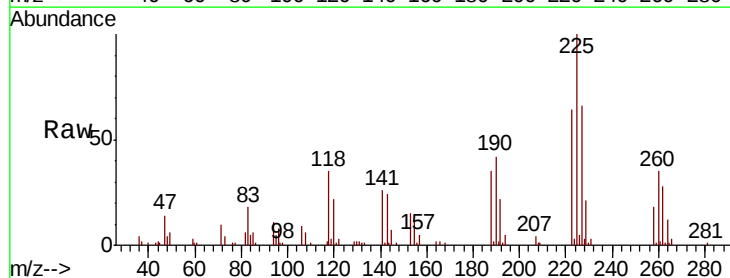


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

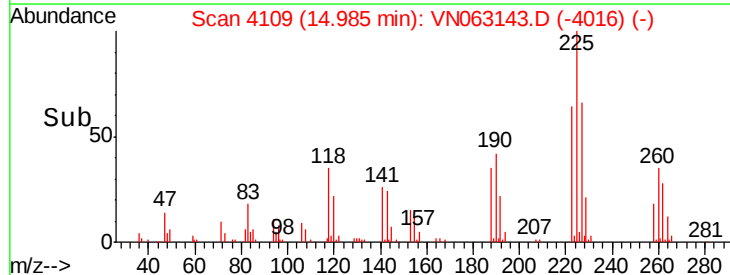
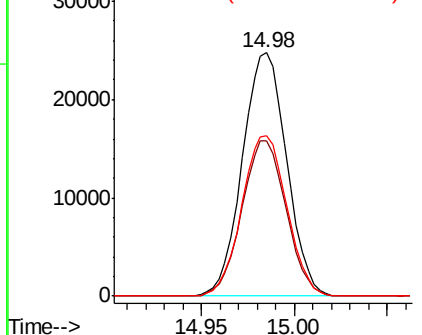


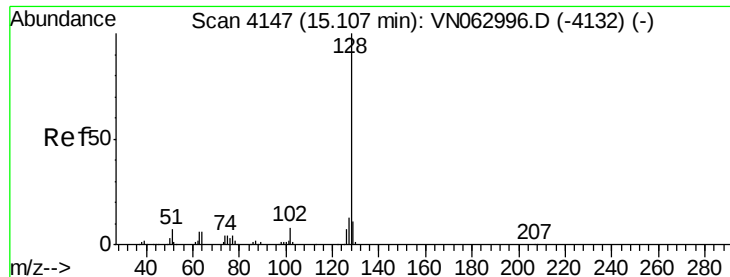
#94
 Hexachlorobutadiene
 Concen: 27.072 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN063143.D
 Acq: 26 Aug 2020 19:23

Tgt Ion:225 Resp: 40941
 Ion Ratio Lower Upper
 225 100
 223 64.1 30.9 92.5
 227 67.0 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

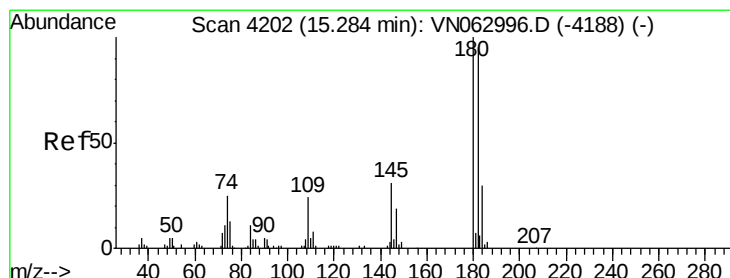
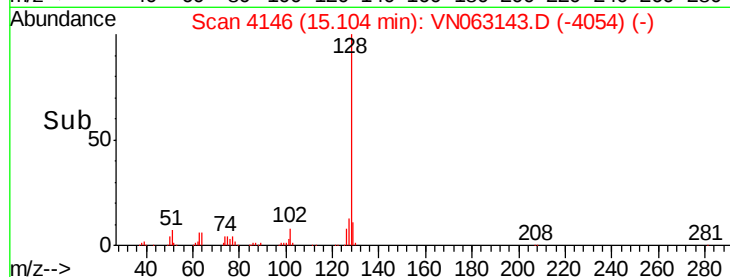
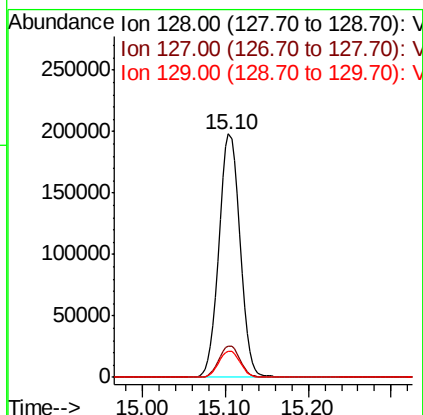
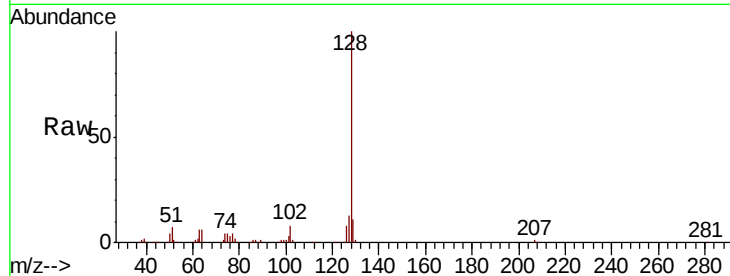




#95
Naphthalene
Concen: 64.763 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

Tot Ion:128 Resp: 348044
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 51.622 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN063143.D
Acq: 26 Aug 2020 19:23

Tgt Ion:180 Resp: 115111
Ion Ratio Lower Upper
180 100
182 95.4 47.3 141.9
145 30.4 15.6 46.7

