

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082620\
 Data File : VN063144.D
 Acq On : 26 Aug 2020 19:47
 Operator : JC/MD
 Sample : L3783-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Aug 27 00:56:45 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	186132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	284673	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	262192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	128714	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	109424	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
35) Dibromofluoromethane	7.55	113	93400	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
50) Toluene-d8	10.06	98	357263	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.38	95	127607	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	100426	41.345	ug/l	99
3) Chloromethane	2.04	50	108687	42.587	ug/l	100
4) Vinyl Chloride	2.17	62	120070	48.648	ug/l	97
5) Bromomethane	2.54	94	73231	49.988	ug/l	97
6) Chloroethane	2.68	64	72239	49.573	ug/l	97
7) Trichlorofluoromethane	2.99	101	150086	48.762	ug/l	99
8) Diethyl Ether	3.38	74	48162	44.231	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	70929	42.766	ug/l	99
10) Methyl Iodide	3.91	142	98664	46.932	ug/l	99
11) Tert butyl alcohol	4.74	59	65916	210.950	ug/l #	87
12) 1,1-Dichloroethene	3.70	96	67221	42.546	ug/l	99
13) Acrolein	3.57	56	1906	19.471	ug/l	92
14) Allyl chloride	4.28	41	117808	42.289	ug/l	97
15) Acrylonitrile	4.93	53	202566	220.561	ug/l	99
16) Acetone	3.78	43	145198	210.448	ug/l	98
17) Carbon Disulfide	4.01	76	153689	37.143	ug/l	99
18) Methyl Acetate	4.28	43	88802	40.507	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	270395	49.074	ug/l	100
20) Methylene Chloride	4.51	84	87574	44.890	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	73106	44.214	ug/l	98
22) Diisopropyl ether	5.91	45	296295	46.870	ug/l	96
23) Vinyl Acetate	5.85	43	892132	209.131	ug/l	98
24) 1,1-Dichloroethane	5.80	63	160196	45.348	ug/l	98
25) 2-Butanone	6.79	43	260400	222.340	ug/l	99
26) 2,2-Dichloropropane	6.78	77	123713	44.531	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	99705	48.110	ug/l	98
28) Bromochloromethane	7.15	49	94623	51.194	ug/l	99
29) Tetrahydrofuran	7.17	42	179576	237.573	ug/l	100
30) Chloroform	7.33	83	170856	48.024	ug/l	98
31) Cyclohexane	7.62	56	141637	43.563	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	139706	48.099	ug/l	98
36) 1,1-Dichloropropene	7.75	75	113217	45.130	ug/l	100
37) Ethyl Acetate	6.88	43	100486	42.748	ug/l	99
38) Carbon Tetrachloride	7.73	117	115325	45.534	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	119308	35.687	ug/l	97
40) Benzene	8.00	78	366232	46.028	ug/l	98
41) Methacrylonitrile	7.13	41	52951	47.279	ug/l	96
42) 1,2-Dichloroethane	8.09	62	122285	45.771	ug/l	99
43) Isopropyl Acetate	8.13	43	176914	45.428	ug/l	98
44) Trichloroethene	8.80	130	92532	46.753	ug/l	98
45) 1,2-Dichloropropane	9.08	63	107524	46.751	ug/l	99
46) Dibromomethane	9.18	93	62443	46.997	ug/l	99
47) Bromodichloromethane	9.37	83	136875	47.035	ug/l	98
48) Methyl methacrylate	9.17	41	86371	46.875	ug/l	99
49) 1,4-Dioxane	9.17	88	33030	817.439	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	562986	228.711	ug/l	99
52) Toluene	10.13	92	226777	47.247	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	147151	48.897	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	159274	48.246	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	97580	47.546	ug/l	99
56) Ethyl methacrylate	10.40	69	140711	44.587	ug/l	99
57) 1,3-Dichloropropane	10.68	76	161164	47.290	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.81	63	755	13.132	ug/l #	49
59) 2-Hexanone	10.72	43	400380	233.185	ug/l	99
60) Dibromochloromethane	10.88	129	107387	47.281	ug/l	100
61) 1,2-Dibromoethane	10.98	107	92511	46.912	ug/l	100
64) Tetrachloroethene	10.60	164	87789	50.936	ug/l	99
65) Chlorobenzene	11.41	112	250954	47.657	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	100132	48.889	ug/l	100
67) Ethyl Benzene	11.49	91	440446	49.501	ug/l	99
68) m/p-Xylenes	11.60	106	329582	99.663	ug/l	99
69) o-Xylene	11.92	106	161446	50.840	ug/l	99
70) Styrene	11.94	104	275933	44.025	ug/l	99
71) Bromoform	12.10	173	80076	49.118	ug/l #	100
73) Isopropylbenzene	12.23	105	421498	47.820	ug/l	100
74) N-amyl acetate	12.05	43	161381	51.121	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	136434	47.897	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	175571	70.175	ug/l #	100
77) Bromobenzene	12.50	156	116788	48.176	ug/l	99
78) n-propylbenzene	12.57	91	481593	47.935	ug/l	100
79) 2-Chlorotoluene	12.65	91	297445	47.069	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	354576	48.663	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	47107	51.711	ug/l	98
82) 4-Chlorotoluene	12.75	91	315185	48.982	ug/l	99
83) tert-Butylbenzene	12.97	119	289847	46.088	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	359749	50.680	ug/l	100
85) sec-Butylbenzene	13.15	105	368369	43.341	ug/l	99
86) p-Isopropyltoluene	13.26	119	336580	45.448	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	200960	48.236	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	206674	48.876	ug/l	99
89) n-Butylbenzene	13.59	91	271569	39.317	ug/l	99
90) Hexachloroethane	13.85	117	61009	38.759	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	198103	49.226	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	24827	55.928	ug/l	98

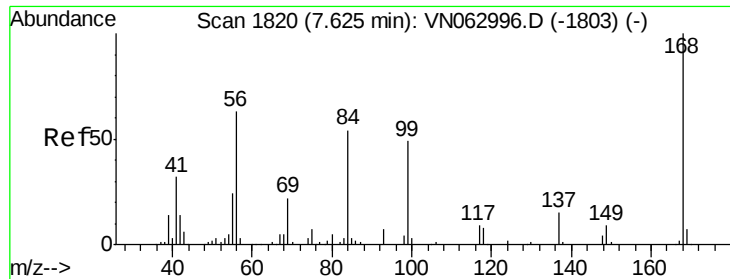
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	115764	51.723	ug/l	99
94) Hexachlorobutadiene	14.98	225	41730	28.061	ug/l	99
95) Naphthalene	15.10	128	341032	64.554	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	113882	51.912	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: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

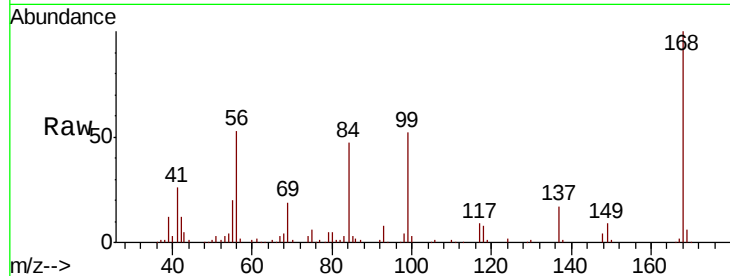
BP-VPB181-GW-498-500MSD

Tot Ion:168 Resp: 186132

Ion Ratio Lower Upper

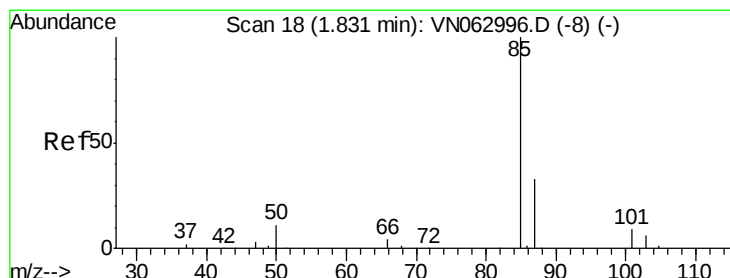
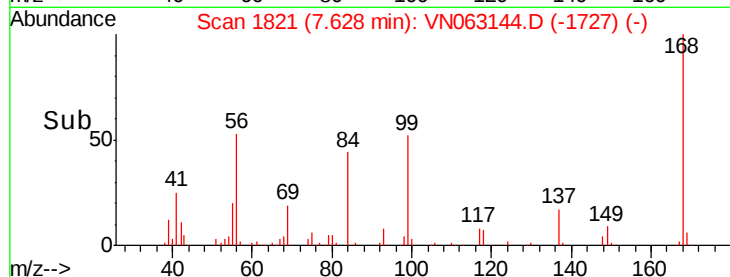
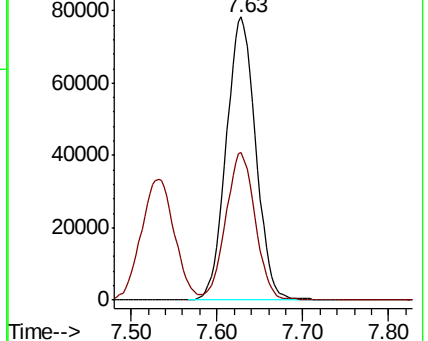
168 100

99 52.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.345 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN063144.D

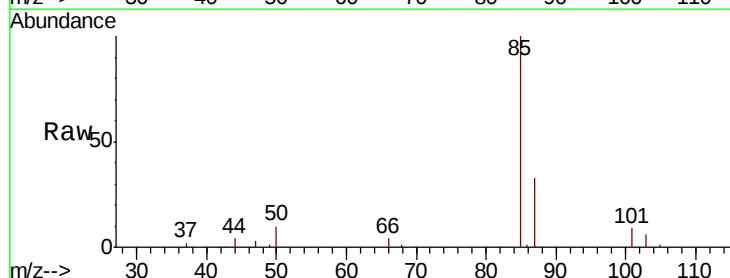
Acq: 26 Aug 2020 19:47

Tgt Ion: 85 Resp: 100426

Ion Ratio Lower Upper

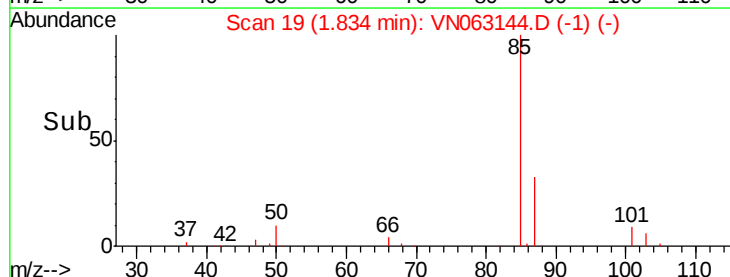
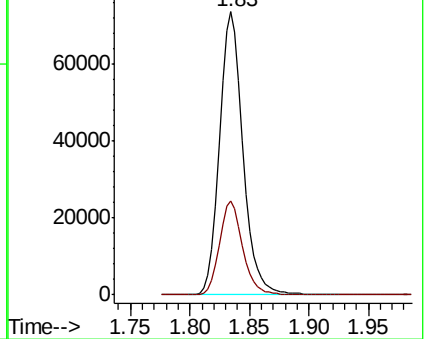
85 100

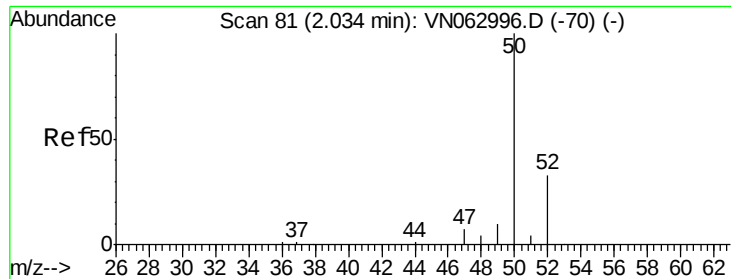
87 33.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.587 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

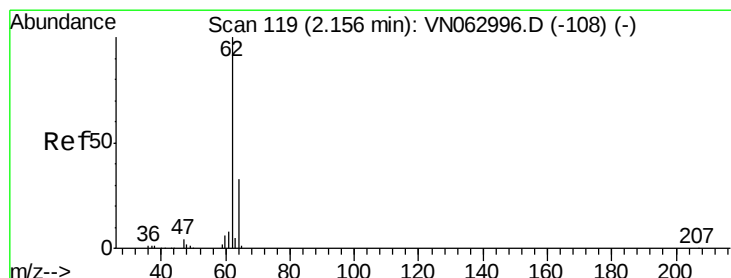
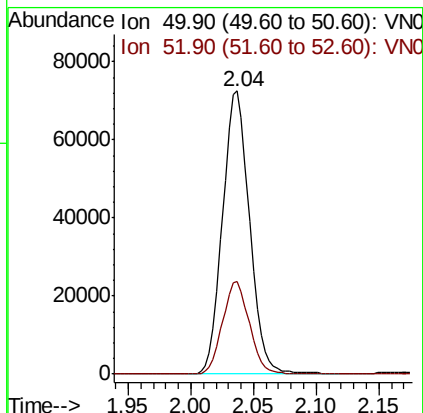
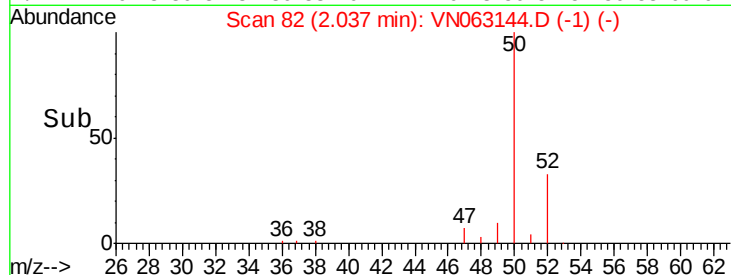
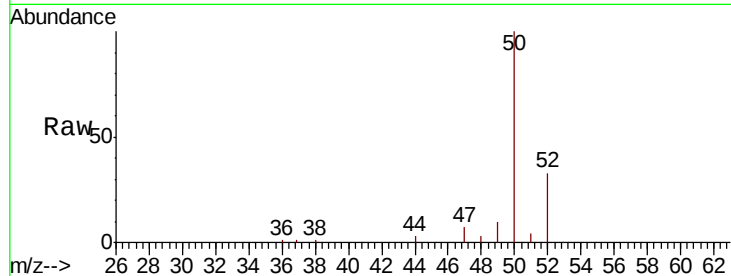
BP-VPB181-GW-498-500MSD

Tot Ion: 50 Resp: 108687

Ion Ratio Lower Upper

50 100

52 32.6 26.0 39.0



#4

Vinyl Chloride

Concen: 48.648 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN063144.D

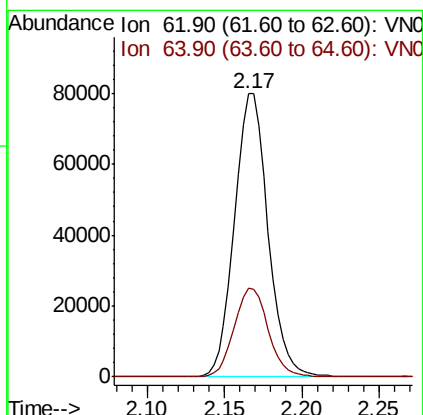
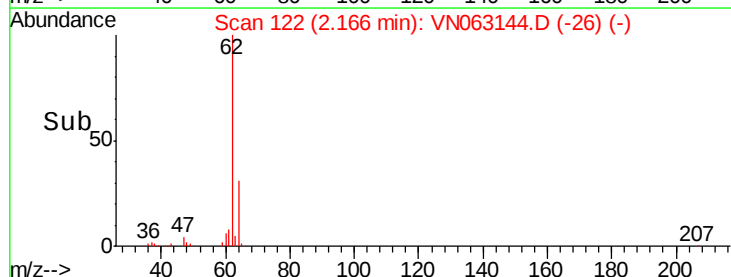
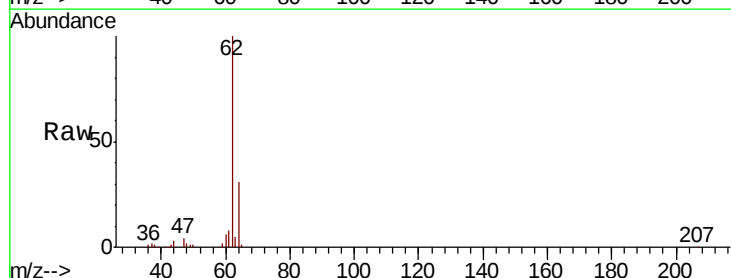
Acq: 26 Aug 2020 19:47

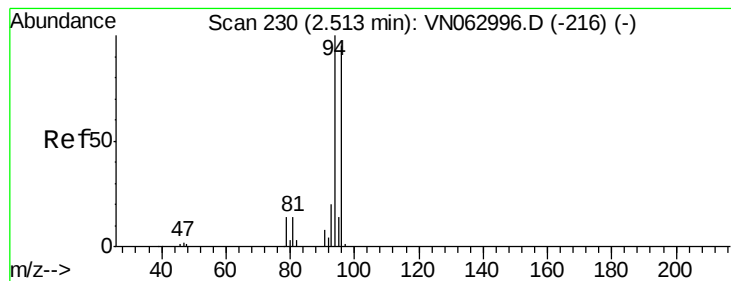
Tgt Ion: 62 Resp: 120070

Ion Ratio Lower Upper

62 100

64 31.2 26.2 39.2





#5

Bromomethane

Concen: 49.988 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.03 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

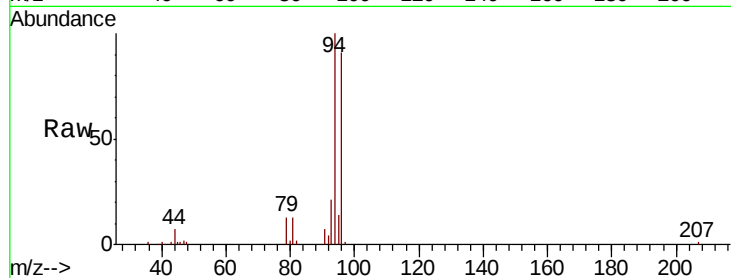
BP-VPB181-GW-498-500MSD

Tot Ion: 94 Resp: 73231

Ion Ratio Lower Upper

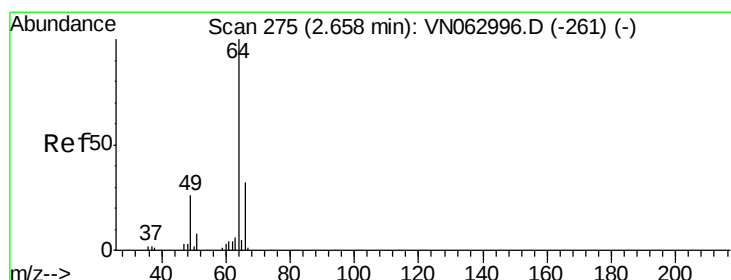
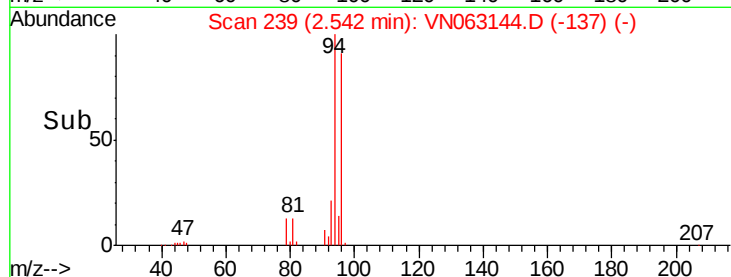
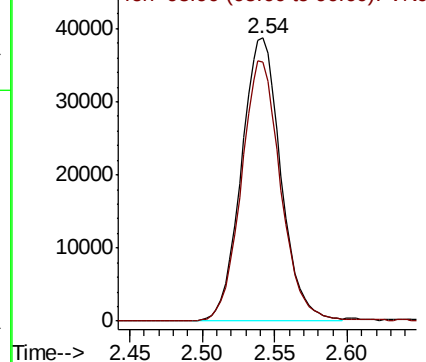
94 100

96 91.5 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: 49.573 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.02 min

Lab File: VN063144.D

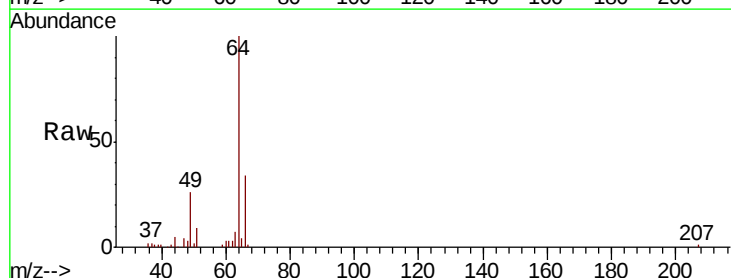
Acq: 26 Aug 2020 19:47

Tgt Ion: 64 Resp: 72239

Ion Ratio Lower Upper

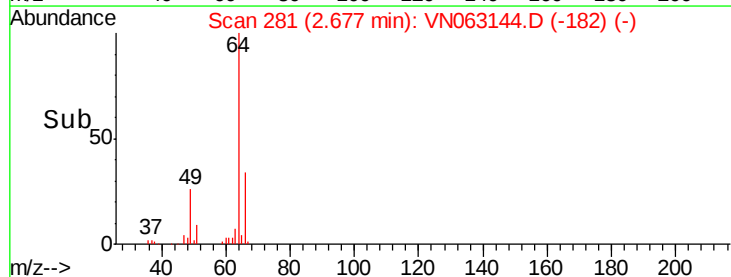
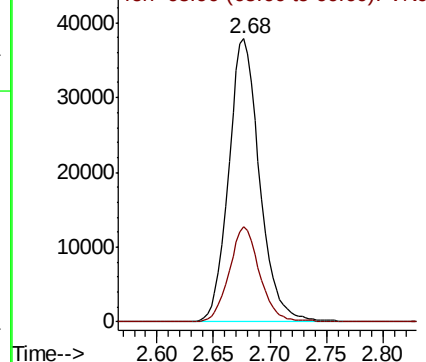
64 100

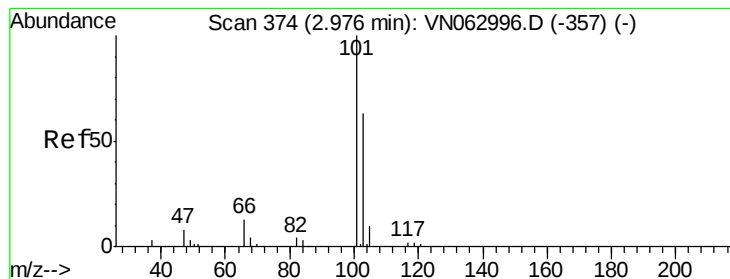
66 33.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



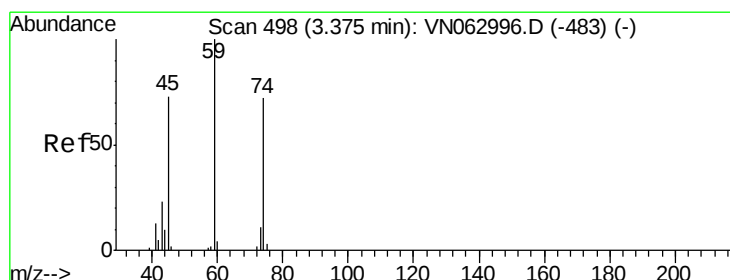
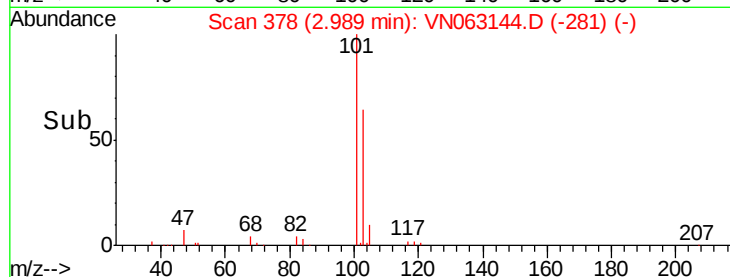
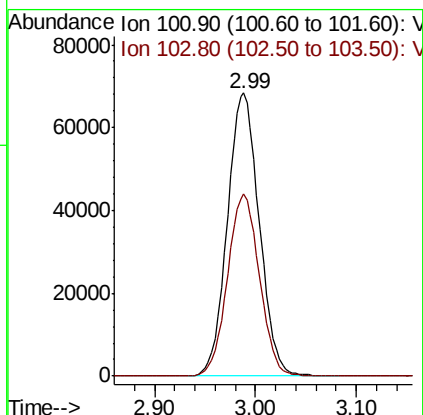
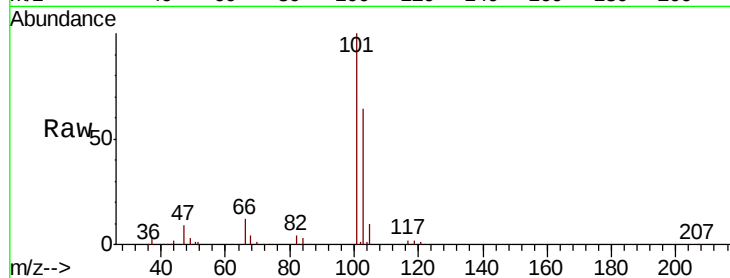


#7

Trichlorofluoromethane
 Concen: 48.762 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. 0.01 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

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 BP-VPB181-GW-498-500MSD

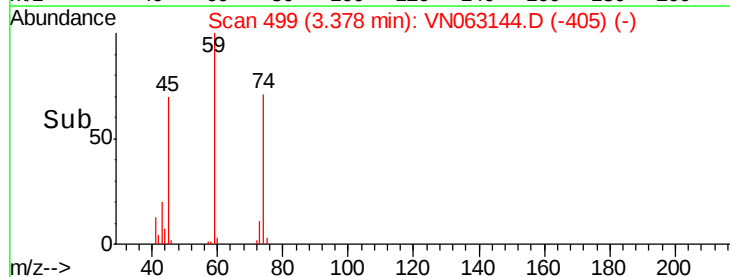
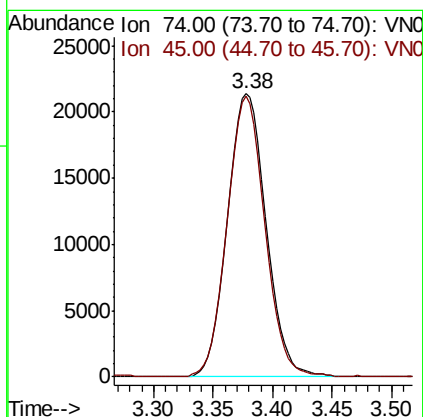
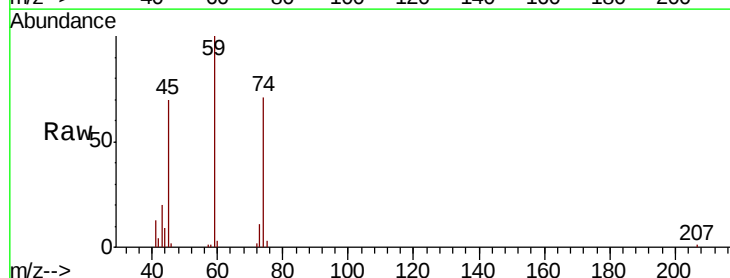
Tot Ion:101 Resp: 150086
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.5 75.7

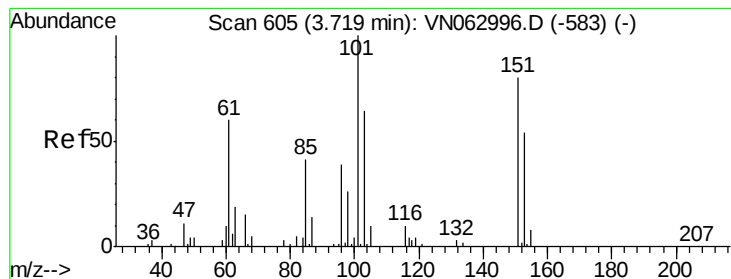


#8

Diethyl Ether
 Concen: 44.231 ug/l
 RT: 3.38 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

Tgt Ion: 74 Resp: 48162
 Ion Ratio Lower Upper
 74 100
 45 96.7 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.766 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

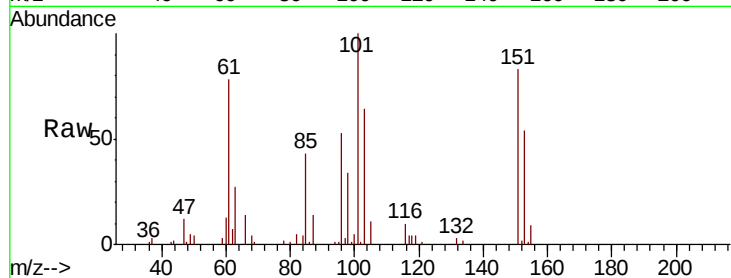
Tot Ion:101 Resp: 70929

Ion Ratio Lower Upper

101 100

85 42.4 34.0 51.0

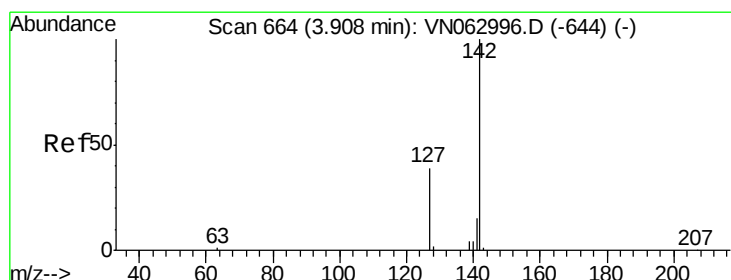
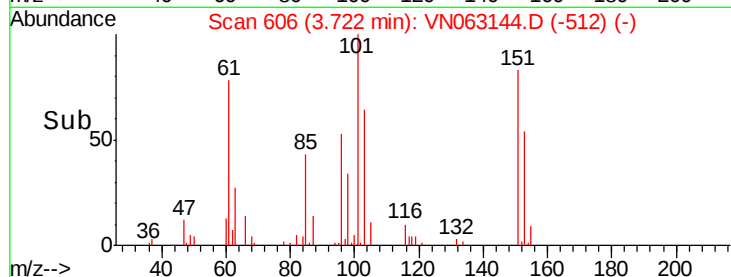
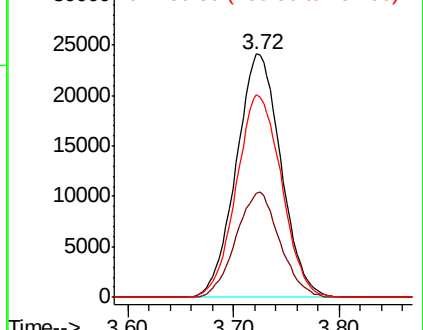
151 84.1 65.8 98.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.932 ug/l

RT: 3.91 min Scan# 666

Delta R.T. 0.01 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

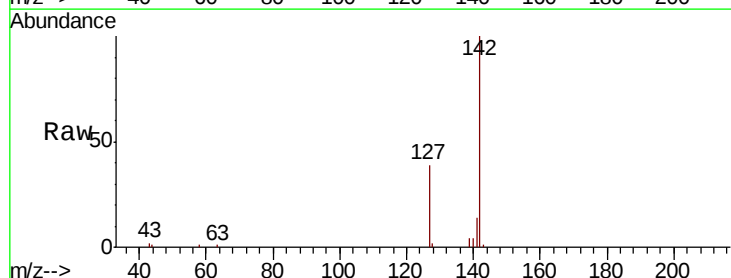
Tgt Ion:142 Resp: 98664

Ion Ratio Lower Upper

142 100

127 39.2 32.2 48.4

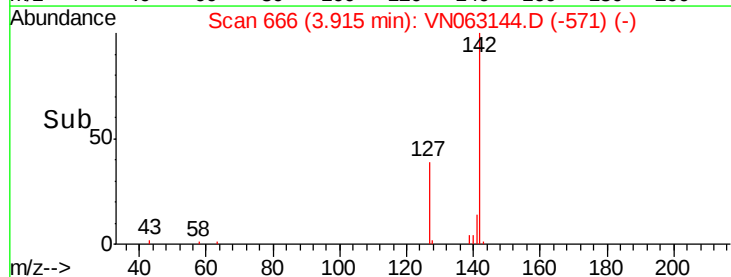
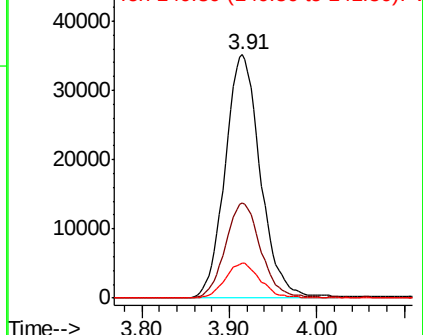
141 14.2 11.3 16.9

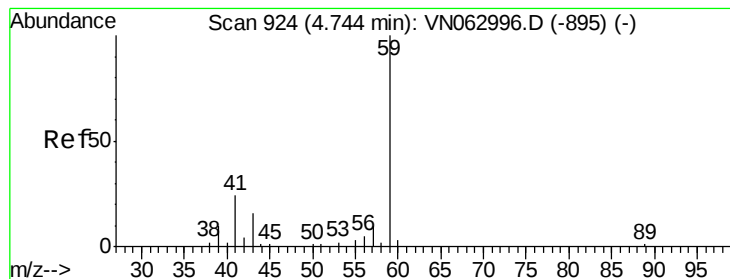


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



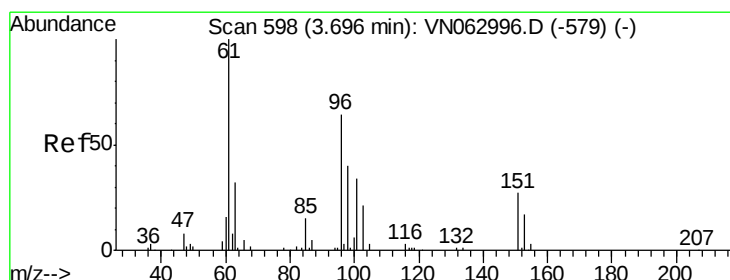
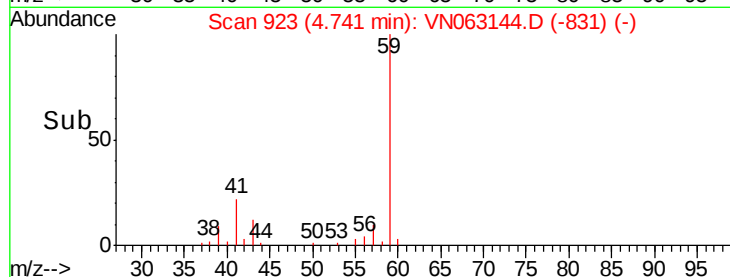
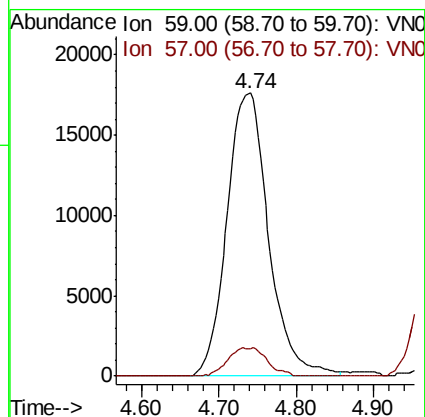
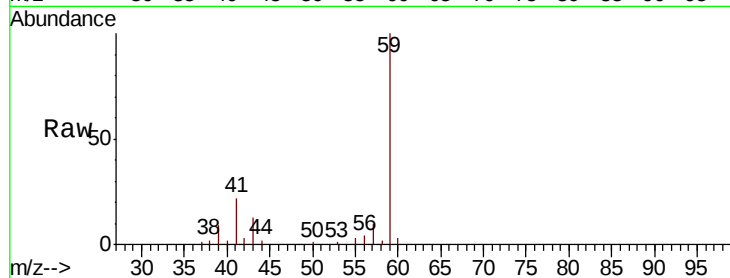


#11

Tert butyl alcohol
 Concen: 210.950 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

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

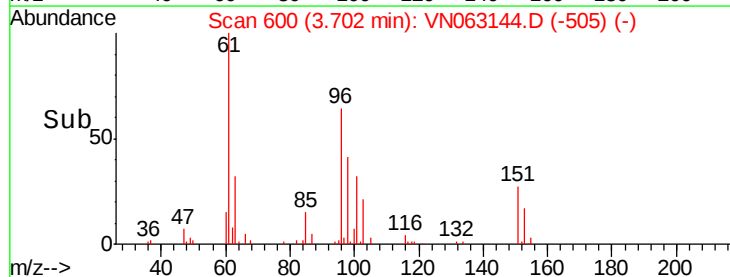
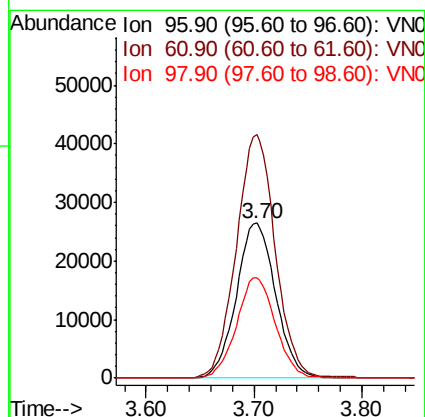
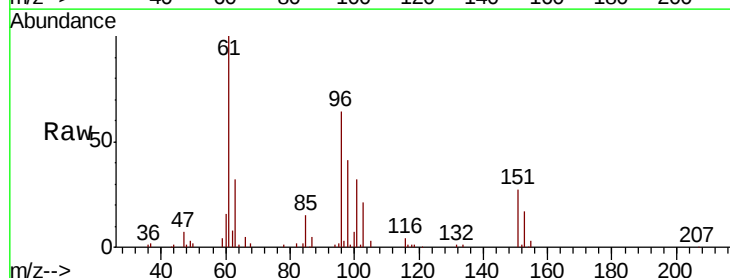
Tot Ion: 59 Resp: 65916
 Ion Ratio Lower Upper
 59 100
 57 5.0 7.8 11.6#

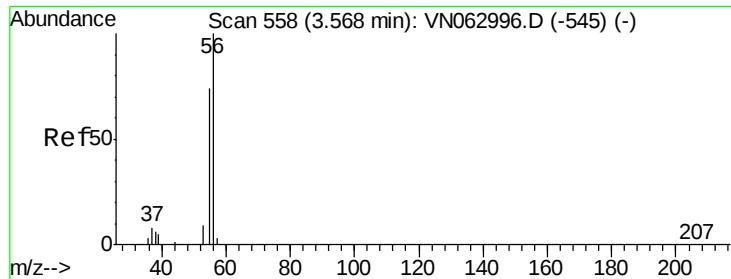


#12

1,1-Dichloroethene
 Concen: 42.546 ug/l
 RT: 3.70 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

Tgt Ion: 96 Resp: 67221
 Ion Ratio Lower Upper
 96 100
 61 157.0 125.5 188.3
 98 64.4 50.4 75.6





#13

Acrolein

Concen: 19.471 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

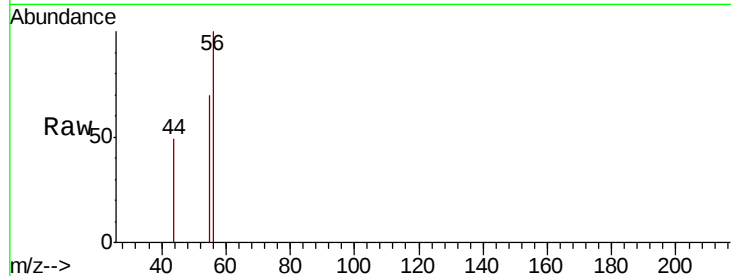
BP-VPB181-GW-498-500MSD

Tot Ion: 56 Resp: 1906

Ion Ratio Lower Upper

56 100

55 80.0 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.57

800

600

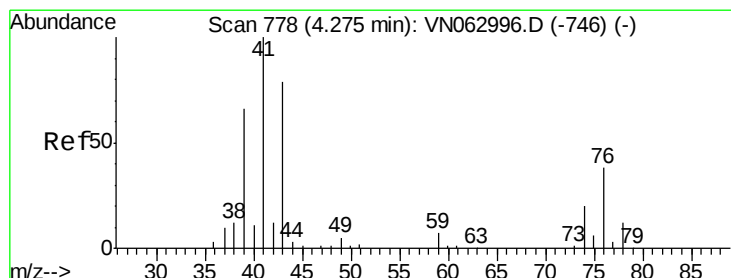
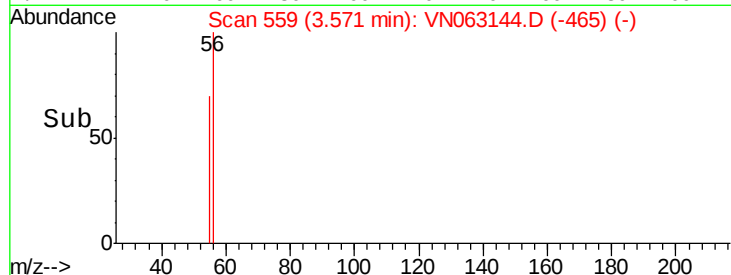
400

200

0

3.55 3.60

Time-->



#14

Allyl chloride

Concen: 42.289 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

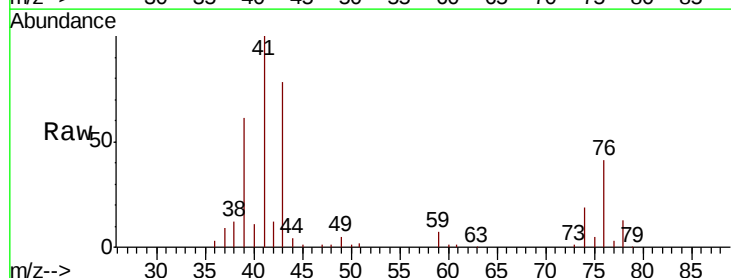
Tgt Ion: 41 Resp: 117808

Ion Ratio Lower Upper

41 100

39 58.7 47.9 71.9

76 37.0 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.28

50000

40000

30000

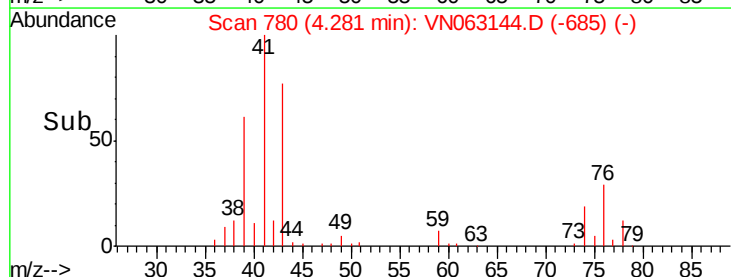
20000

10000

0

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 220.561 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

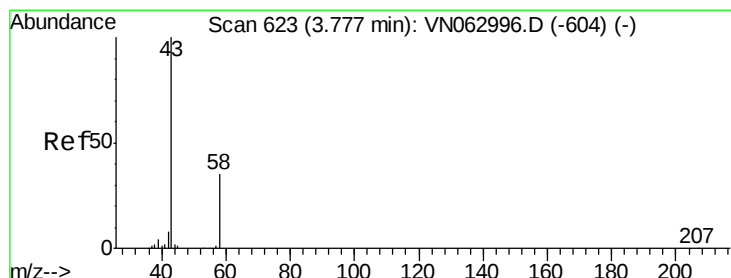
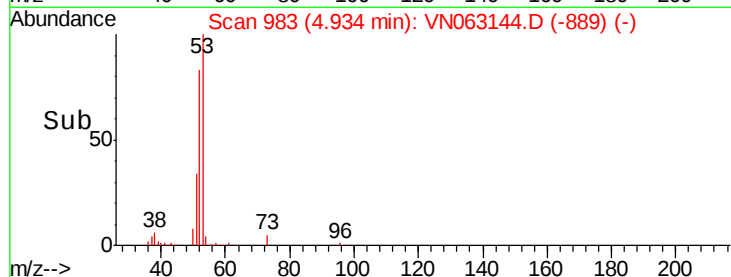
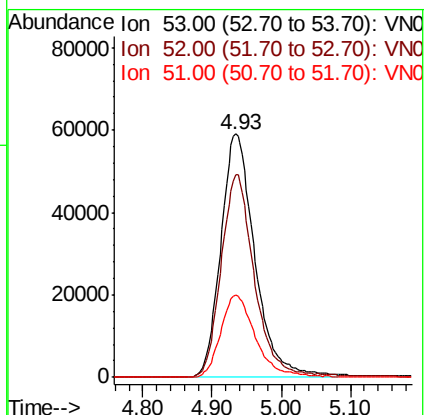
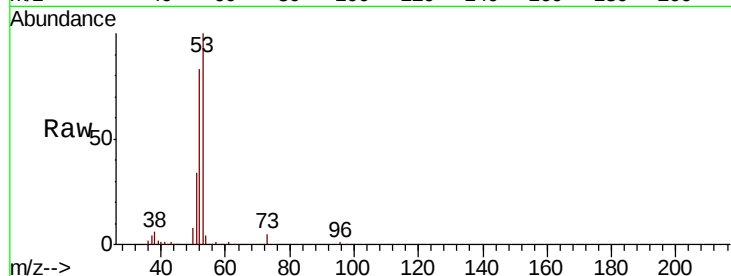
Tot Ion: 53 Resp: 202566

Ion Ratio Lower Upper

53 100

52 80.7 65.6 98.4

51 34.4 28.2 42.4



#16

Acetone

Concen: 210.448 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN063144.D

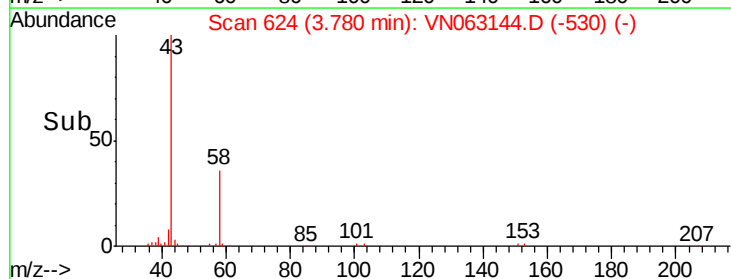
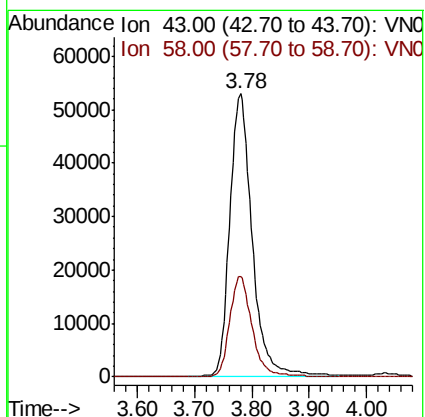
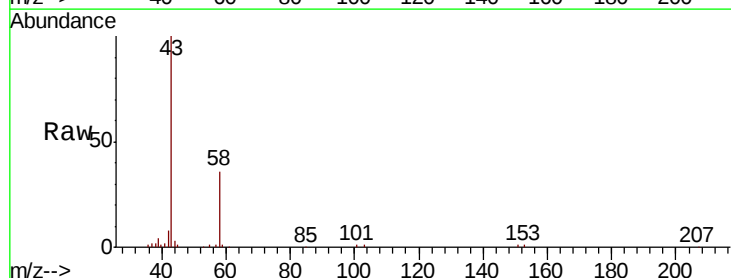
Acq: 26 Aug 2020 19:47

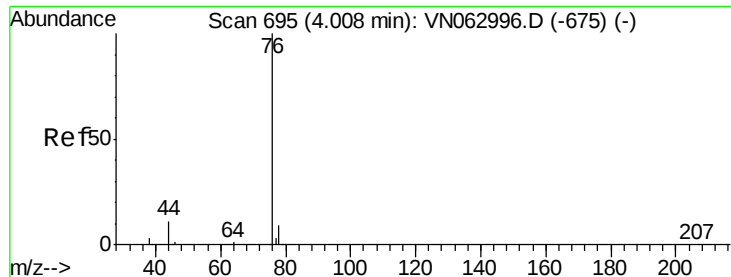
Tgt Ion: 43 Resp: 145198

Ion Ratio Lower Upper

43 100

58 35.6 27.8 41.6

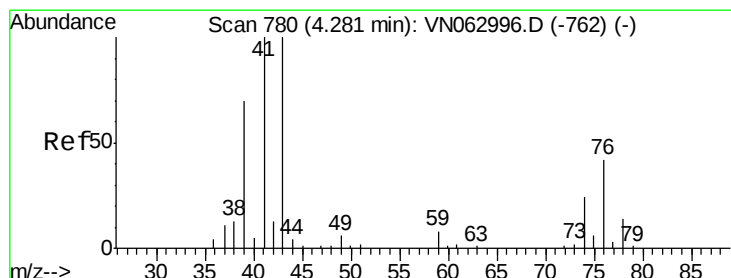
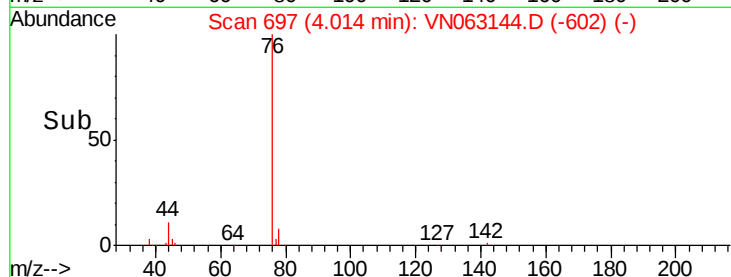
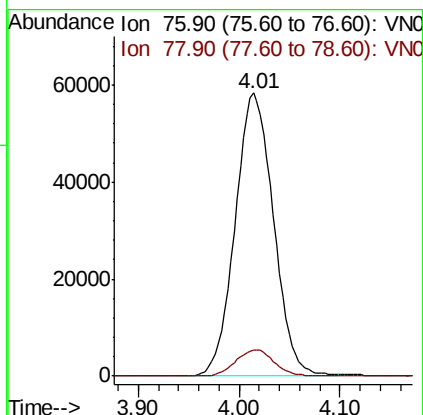
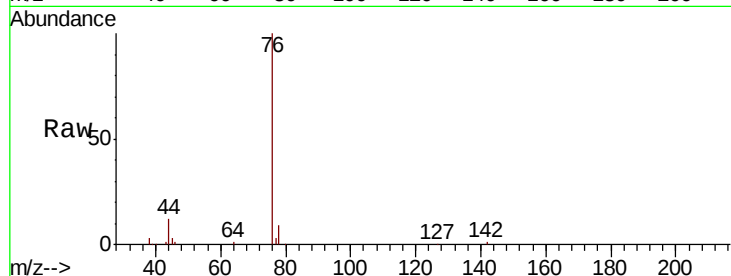




#17
Carbon Disulfide
Concen: 37.143 ug/l
RT: 4.01 min Scan# 697
Delta R.T. 0.01 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

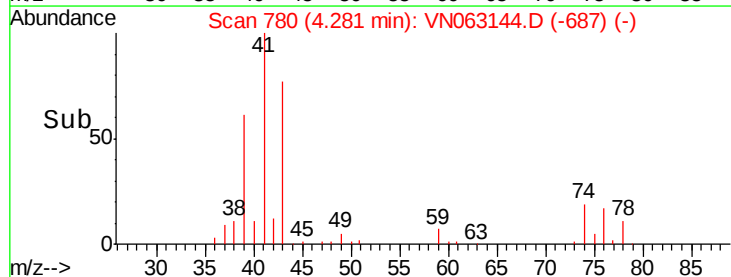
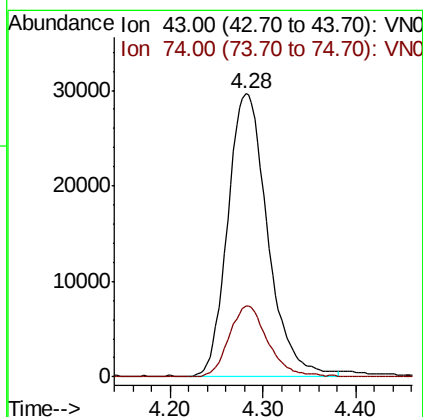
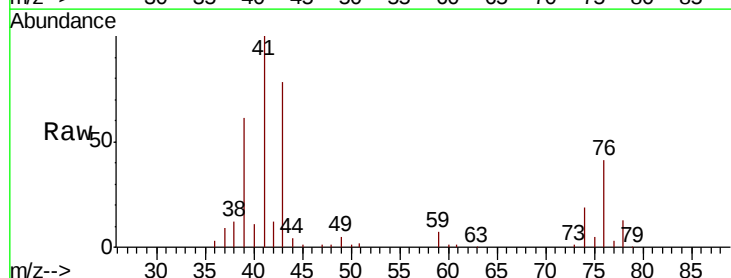
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

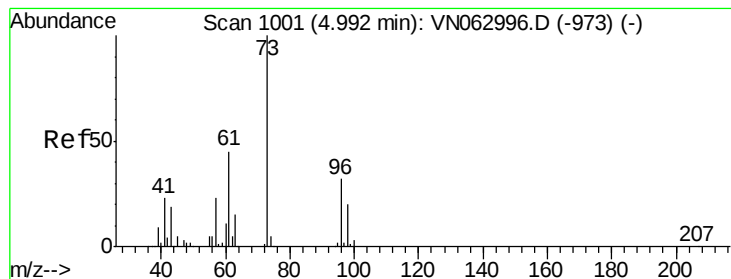
Tot Ion: 76 Resp: 153689
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



#18
Methyl Acetate
Concen: 40.507 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

Tgt Ion: 43 Resp: 88802
Ion Ratio Lower Upper
43 100
74 24.2 18.6 28.0



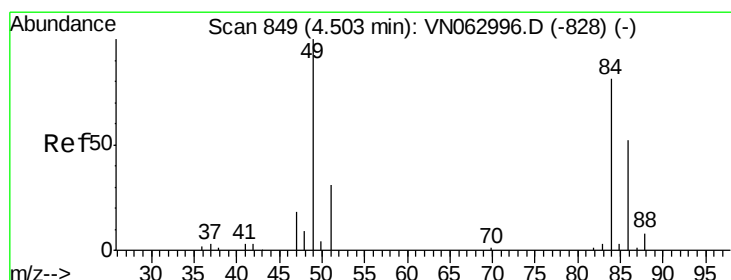
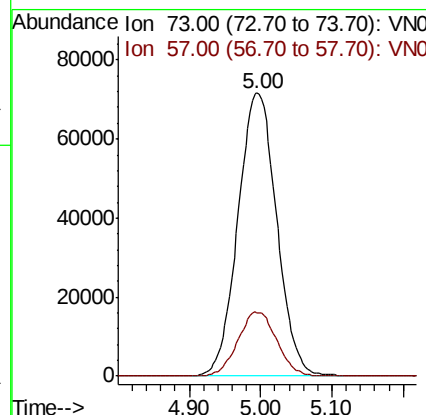
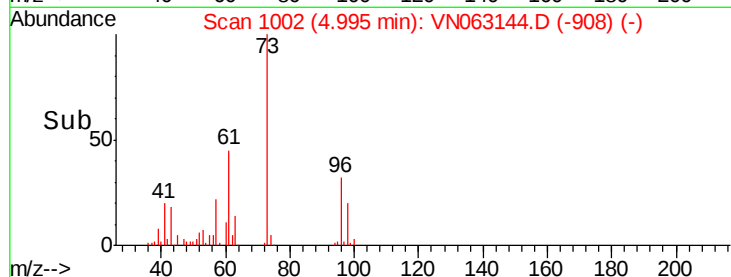
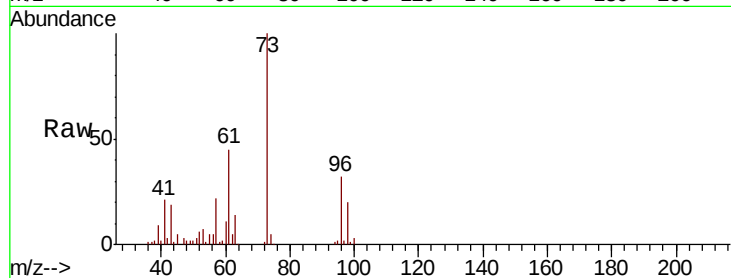


#19

Methyl tert-butyl Ether
 Concen: 49.074 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

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

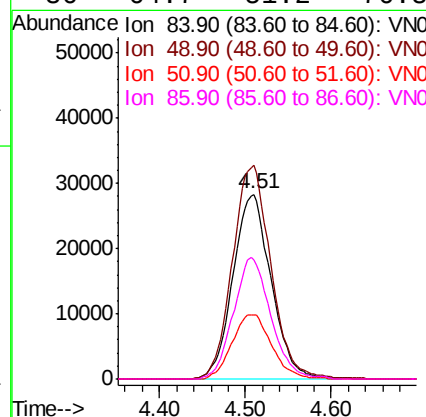
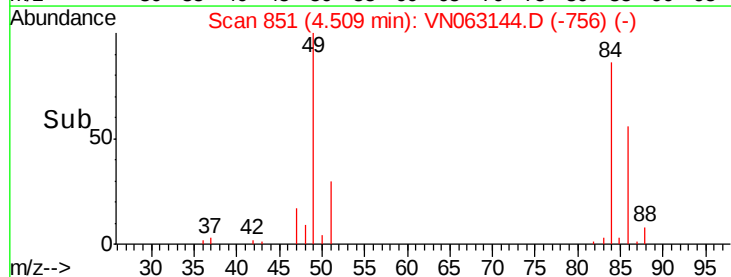
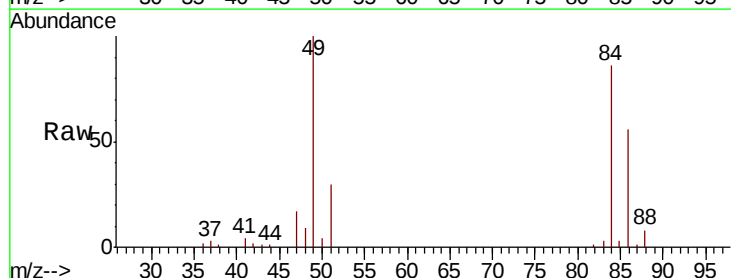
Tot Ion: 73 Resp: 270395
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.1 27.1

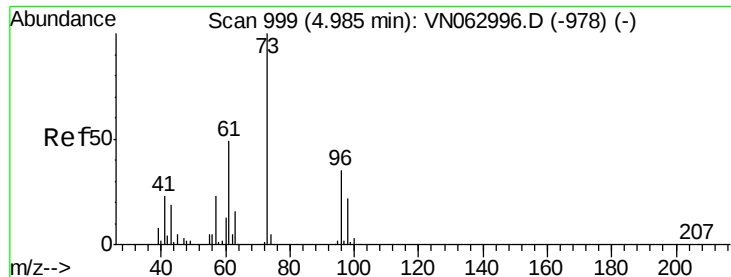


#20

Methylene Chloride
 Concen: 44.890 ug/l
 RT: 4.51 min Scan# 851
 Delta R.T. 0.01 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

Tgt Ion: 84 Resp: 87574
 Ion Ratio Lower Upper
 84 100
 49 115.7 98.7 148.1
 51 35.0 30.8 46.2
 86 64.7 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 44.214 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

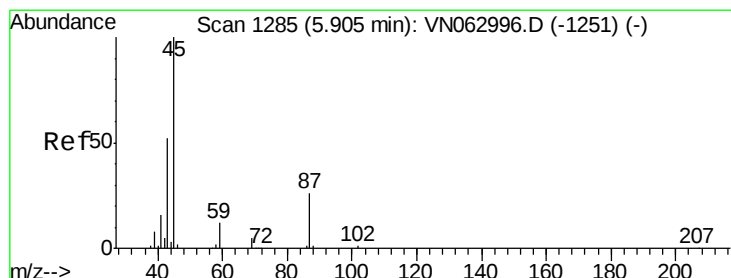
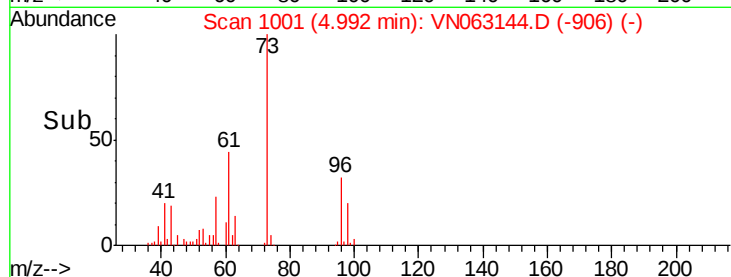
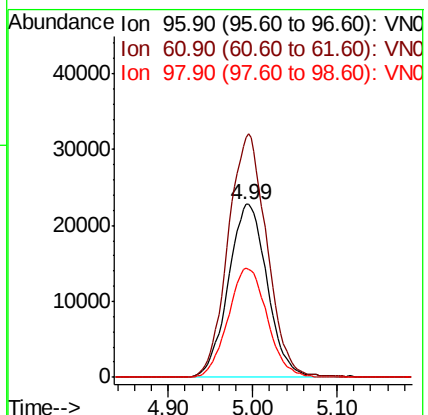
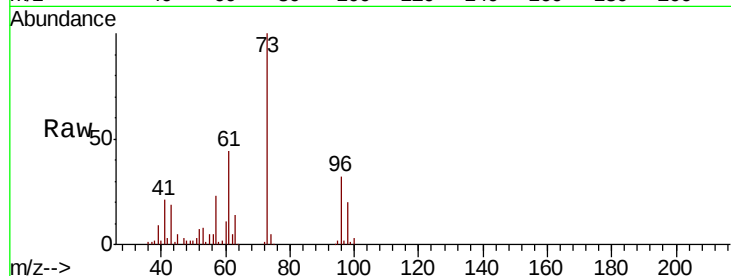
Tot Ion: 96 Resp: 73106

Ion Ratio Lower Upper

96 100

61 138.4 112.5 168.7

98 62.9 49.4 74.0



#22

Diisopropyl ether

Concen: 46.870 ug/l

RT: 5.91 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Tgt Ion: 45 Resp: 296295

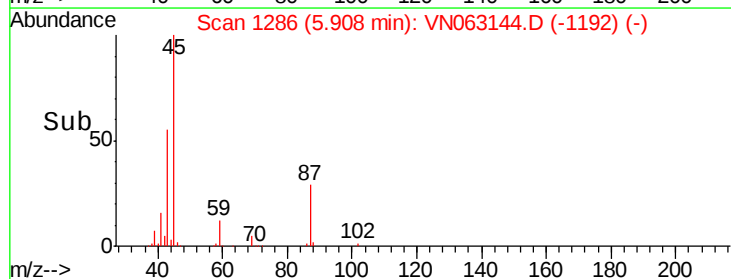
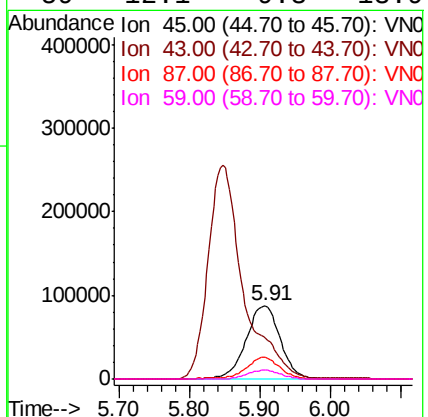
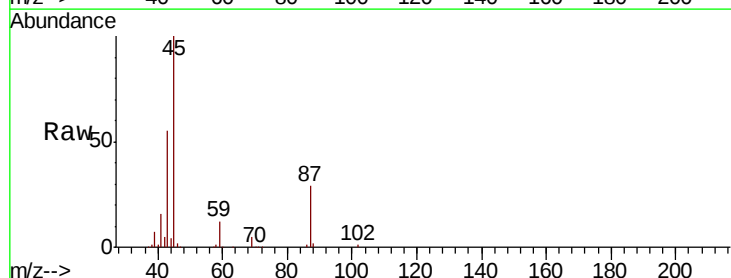
Ion Ratio Lower Upper

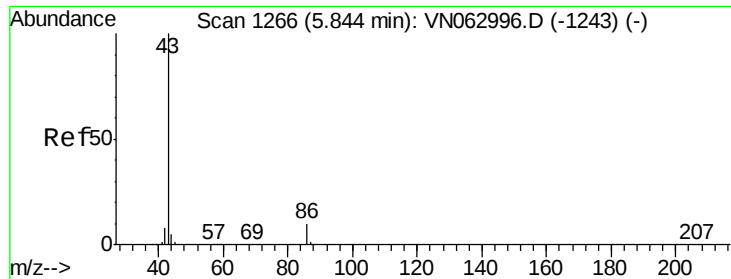
45 100

43 54.1 45.7 68.5

87 29.0 21.8 32.6

59 12.1 9.3 13.9

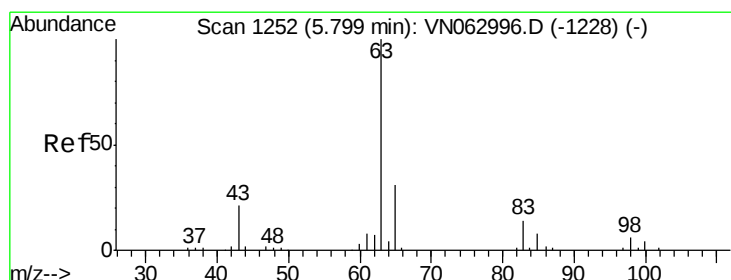
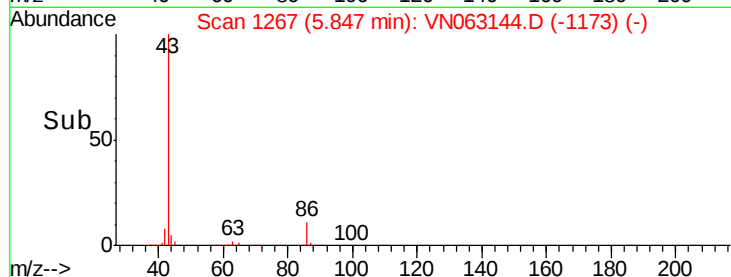
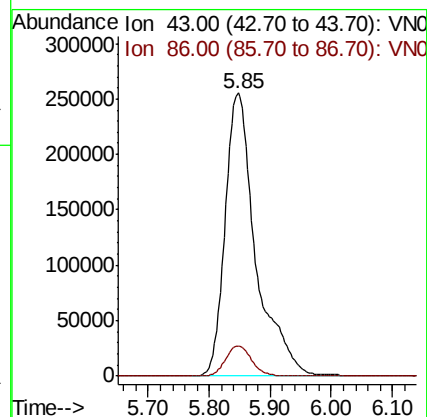
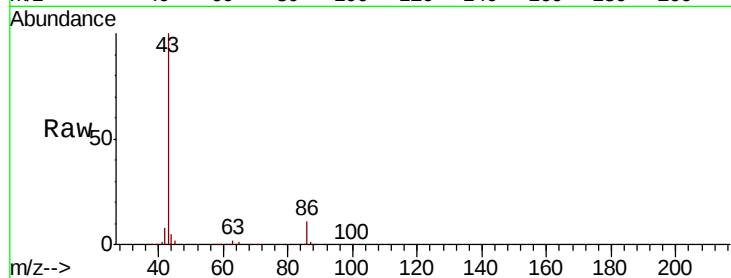




#23
 Vinyl Acetate
 Concen: 209.131 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

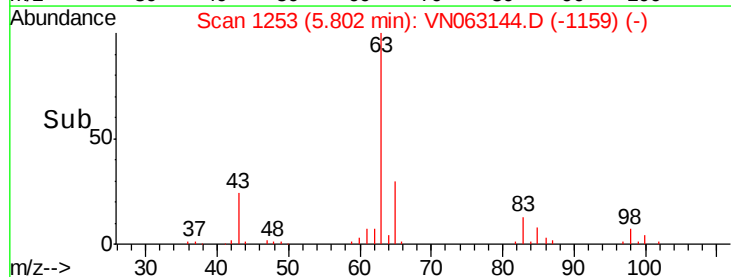
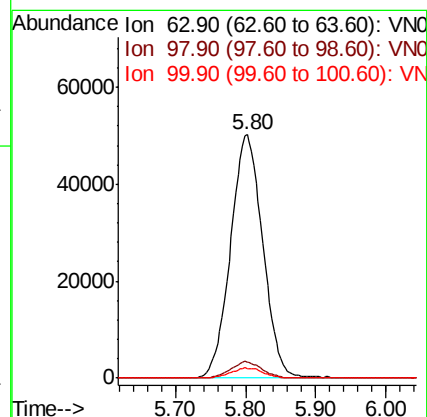
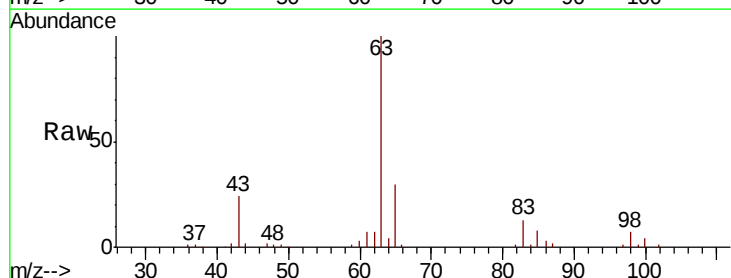
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

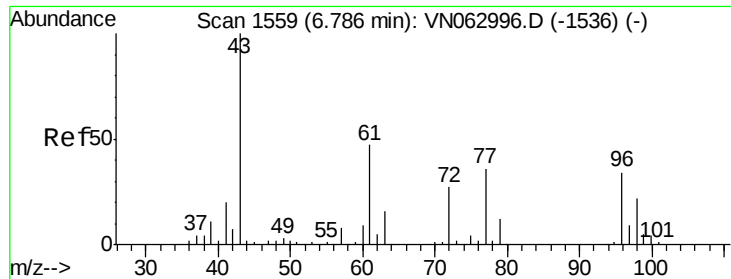
Tot Ion: 43 Resp: 892132
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 45.348 ug/l
 RT: 5.80 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

Tgt Ion: 63 Resp: 160196
 Ion Ratio Lower Upper
 63 100
 98 6.7 2.9 8.7
 100 4.0 2.0 5.8





#25

2-Butanone

Concen: 222.340 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

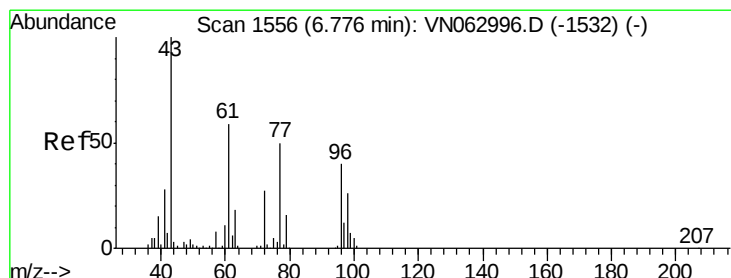
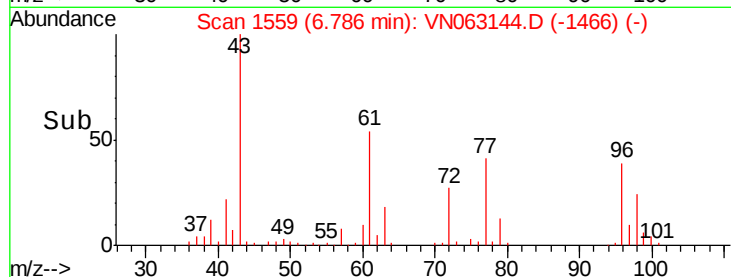
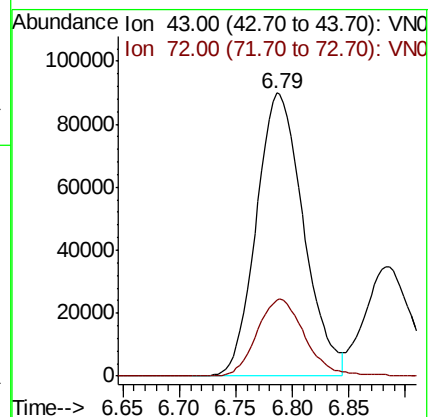
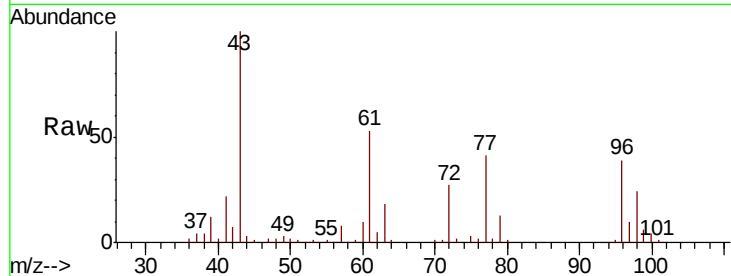
BP-VPB181-GW-498-500MSD

Tot Ion: 43 Resp: 260400

Ion Ratio Lower Upper

43 100

72 26.7 21.8 32.6



#26

2,2-Dichloropropane

Concen: 44.531 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN063144.D

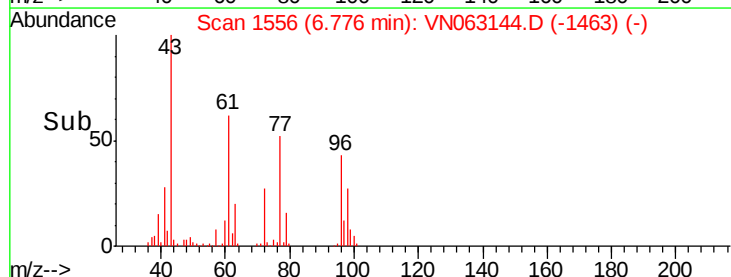
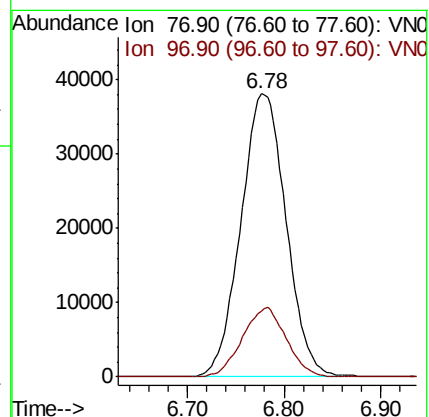
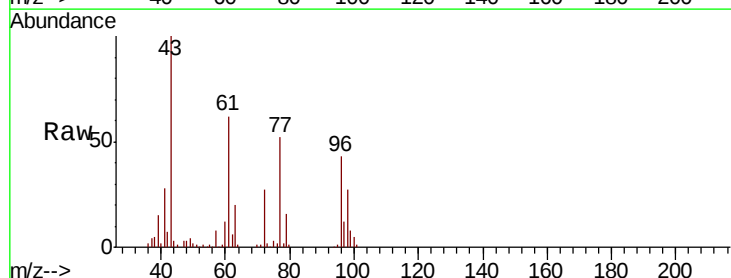
Acq: 26 Aug 2020 19:47

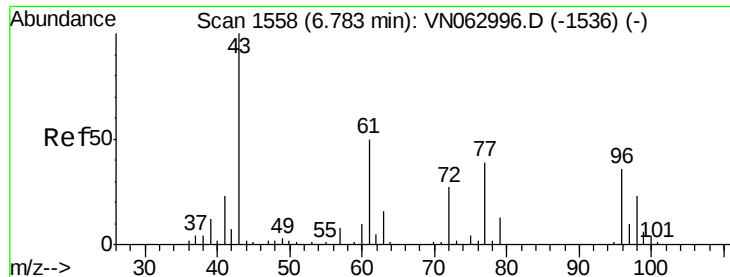
Tgt Ion: 77 Resp: 123713

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 48.110 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

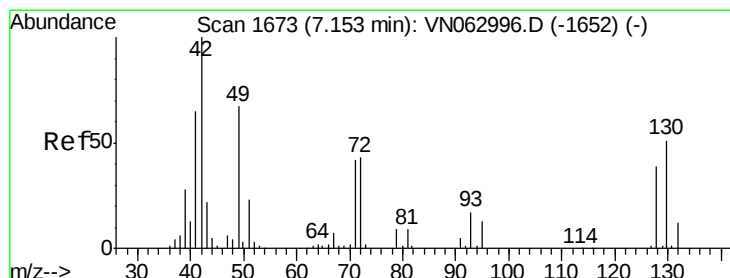
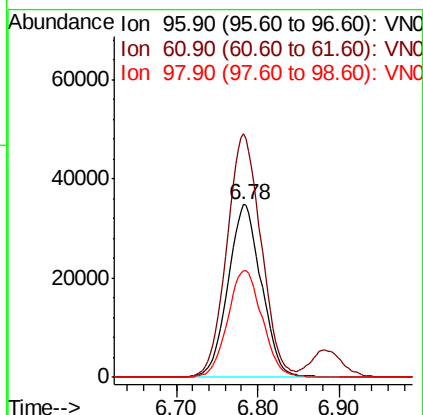
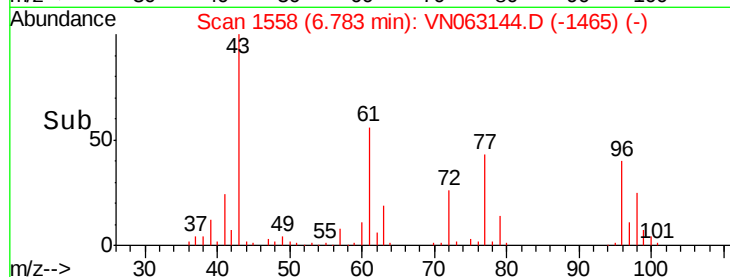
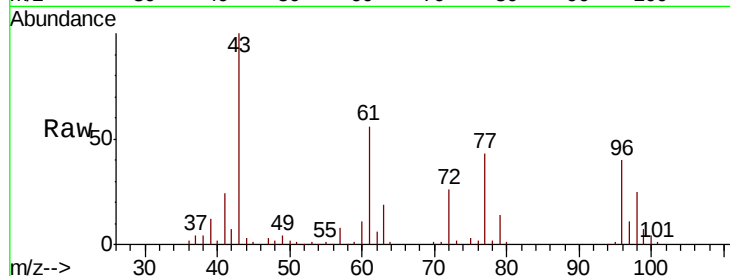
Tot Ion: 96 Resp: 99705

Ion Ratio Lower Upper

96 100

61 144.6 0.0 292.8

98 63.9 0.0 130.6



#28

Bromochloromethane

Concen: 51.194 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

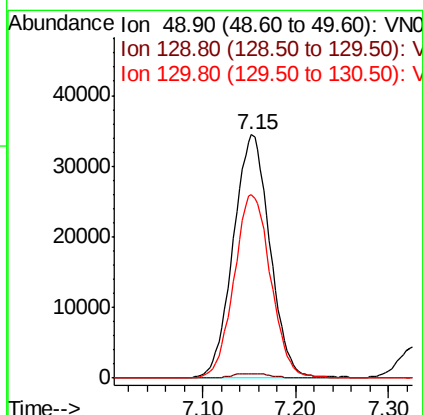
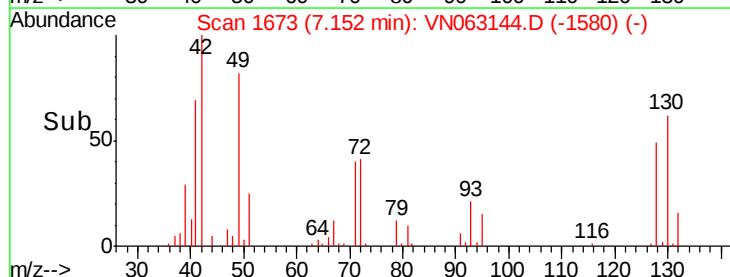
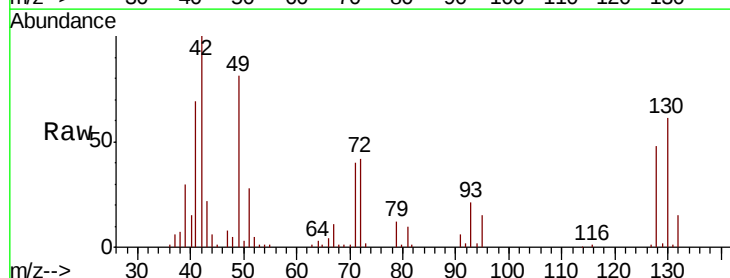
Tgt Ion: 49 Resp: 94623

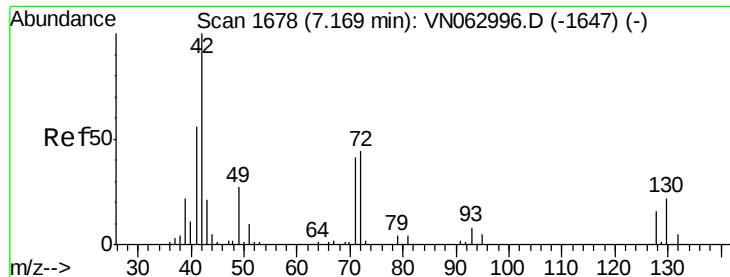
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.6

130 75.3 61.1 91.7

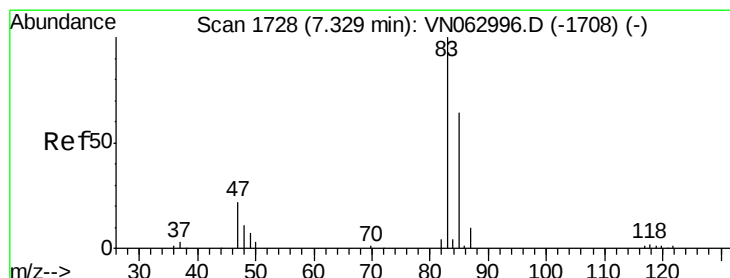
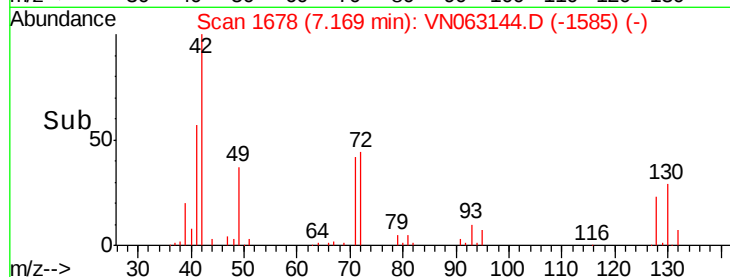
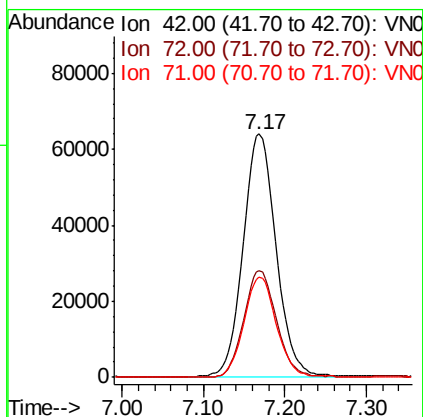
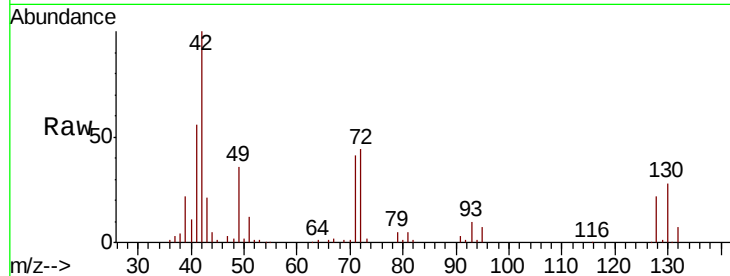




#29
Tetrahydrofuran
Concen: 237.573 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

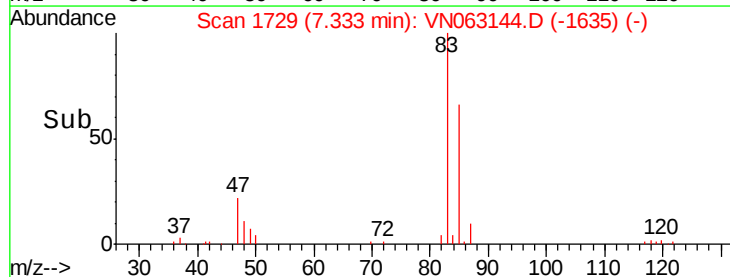
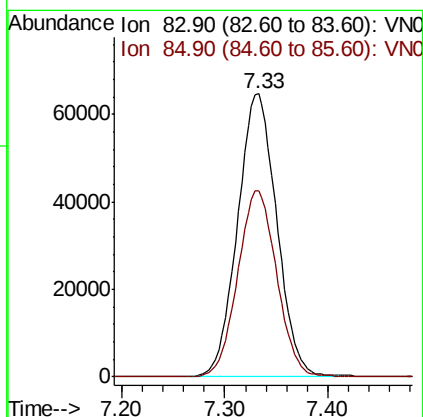
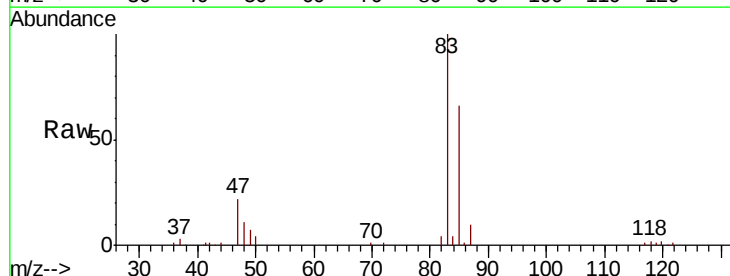
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

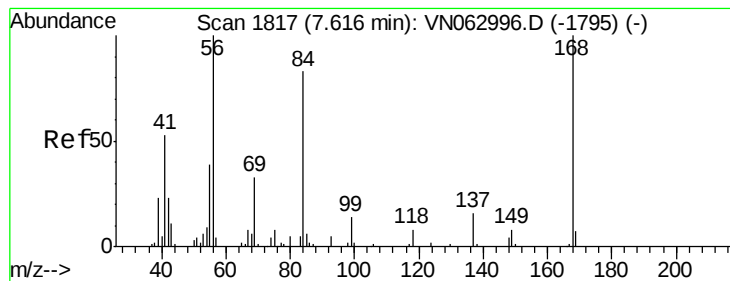
Tot Ion: 42 Resp: 179576
Ion Ratio Lower Upper
42 100
72 43.2 34.6 52.0
71 40.6 32.3 48.5



#30
Chloroform
Concen: 48.024 ug/l
RT: 7.33 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

Tgt Ion: 83 Resp: 170856
Ion Ratio Lower Upper
83 100
85 65.9 51.5 77.3





#31

Cyclohexane

Concen: 43.563 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

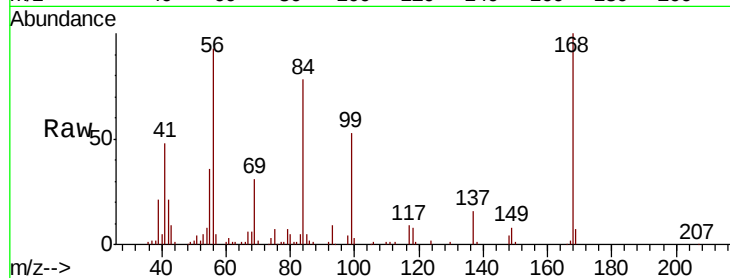
Tot Ion: 56 Resp: 141637

Ion Ratio Lower Upper

56 100

69 33.3 26.6 40.0

84 83.0 66.4 99.6

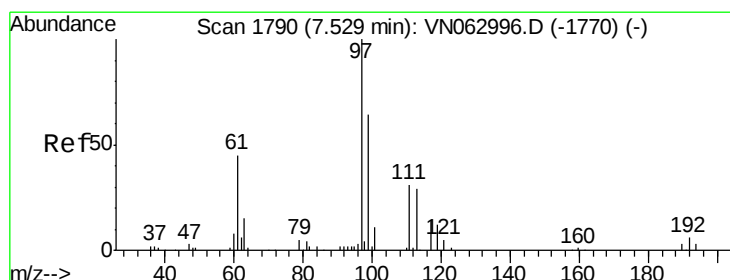
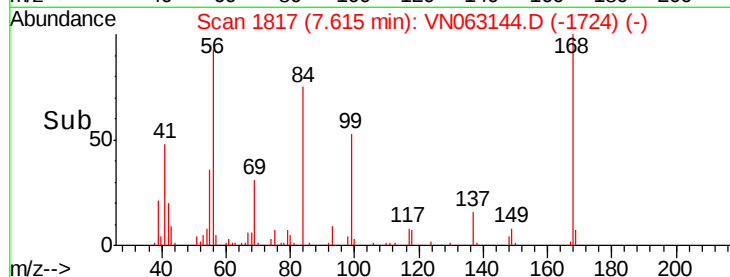
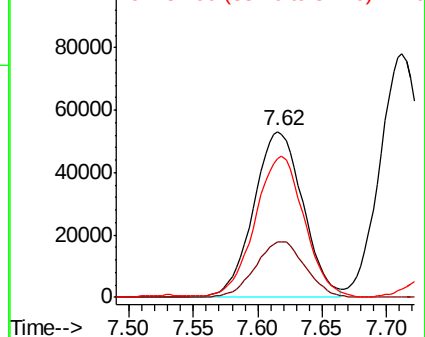


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.099 ug/l

RT: 7.53 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

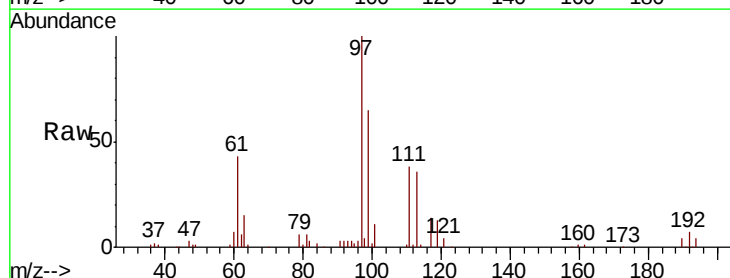
Tgt Ion: 97 Resp: 139706

Ion Ratio Lower Upper

97 100

99 64.8 52.0 78.0

61 42.9 36.2 54.4

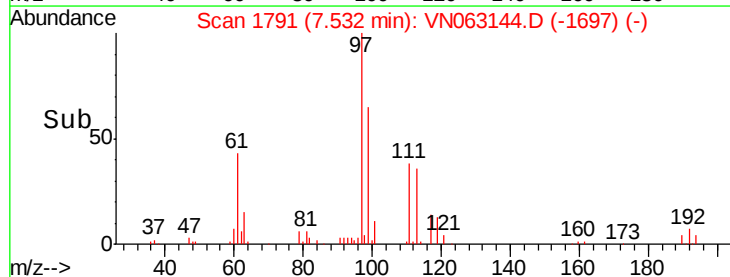
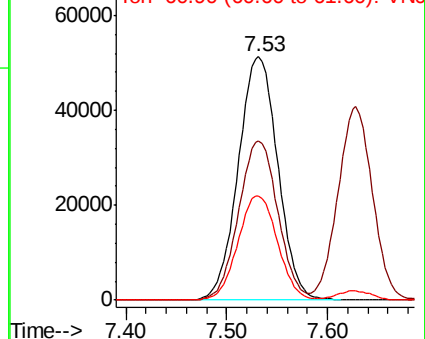


Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

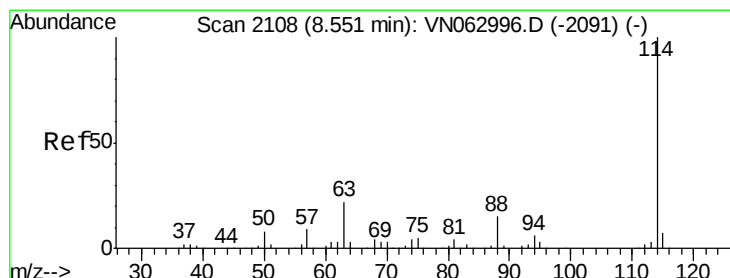
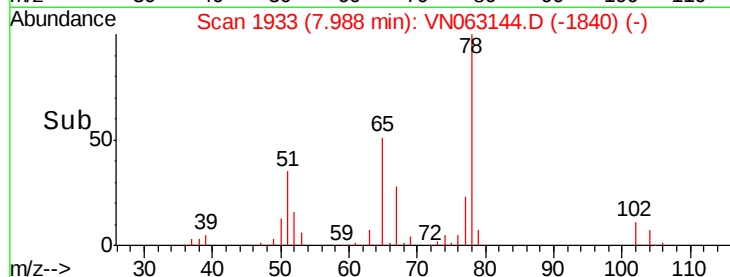
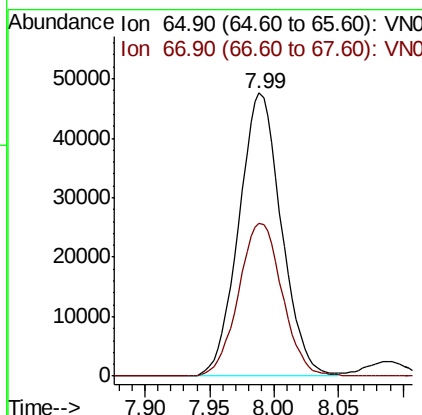
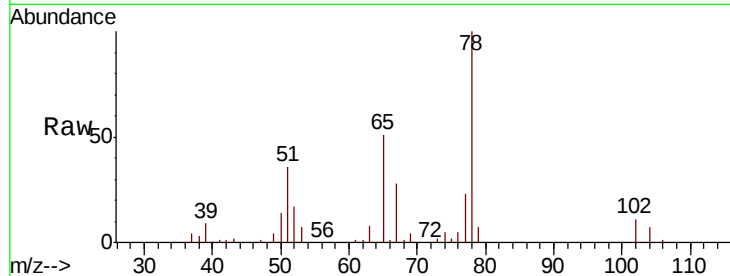




#33
 1,2-Dichloroethane-d4
 Concen: 49.603 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

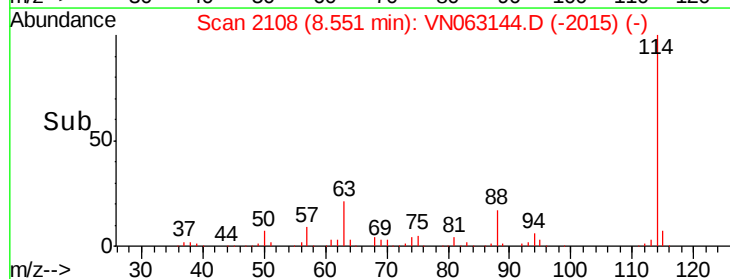
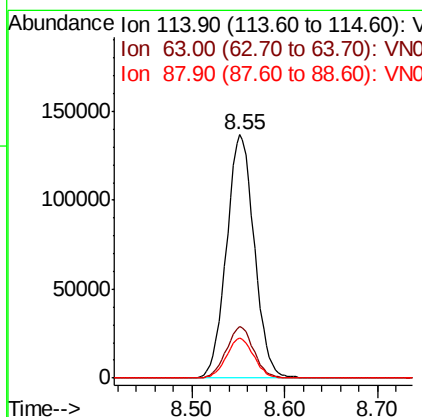
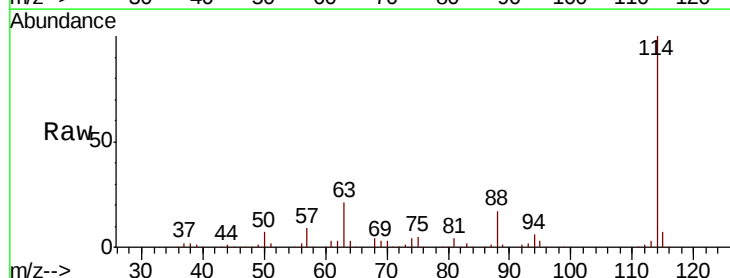
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

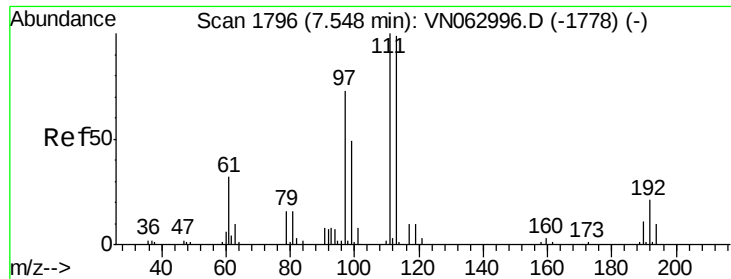
Tot Ion: 65 Resp: 109424
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

Tgt Ion: 114 Resp: 284673
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 16.5 0.0 30.6

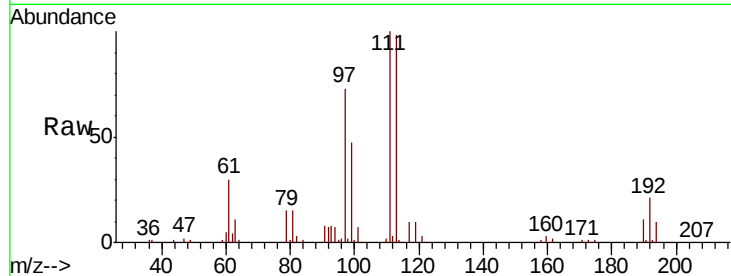




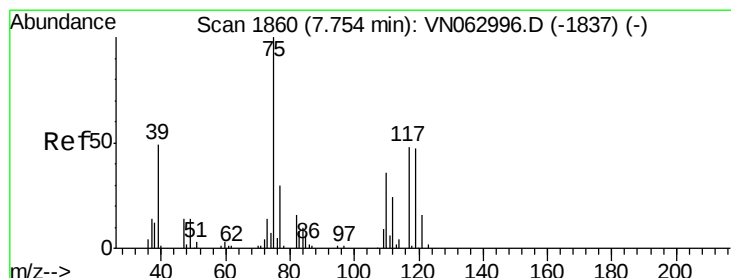
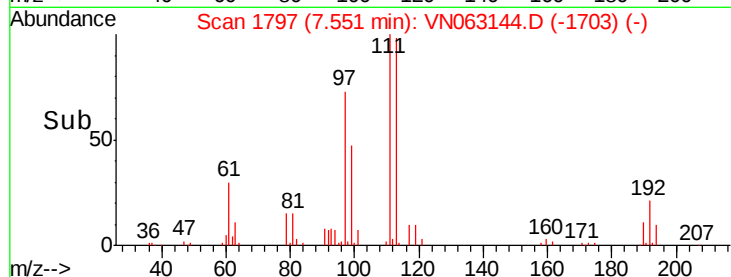
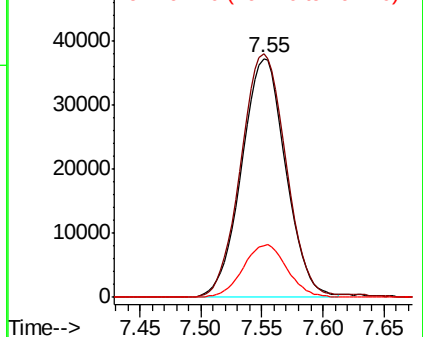
#35
 Dibromofluoromethane
 Concen: 50.353 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

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

Tot Ion:113 Resp: 93400
 Ion Ratio Lower Upper
 113 100
 111 104.3 81.7 122.5
 192 21.9 17.5 26.3

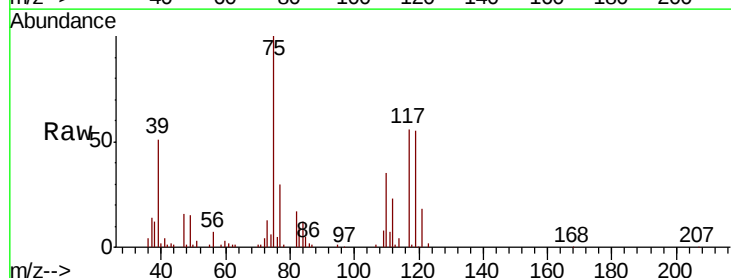


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

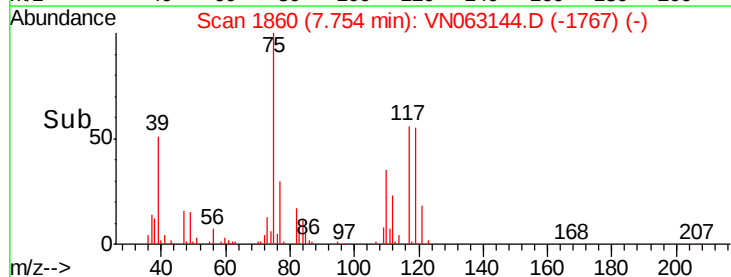
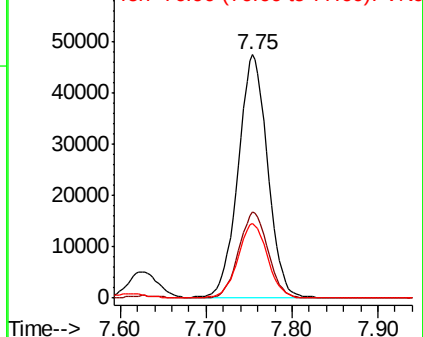


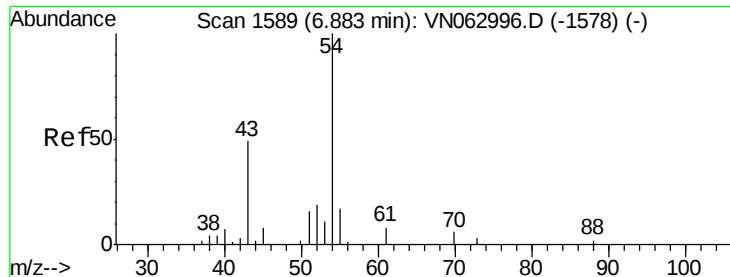
#36
 1,1-Dichloropropene
 Concen: 45.130 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

Tgt Ion: 75 Resp: 113217
 Ion Ratio Lower Upper
 75 100
 110 35.0 17.5 52.6
 77 30.7 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

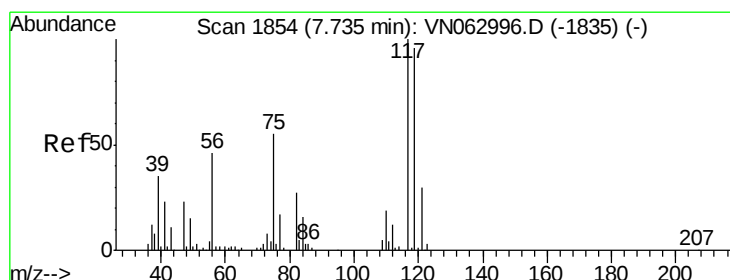
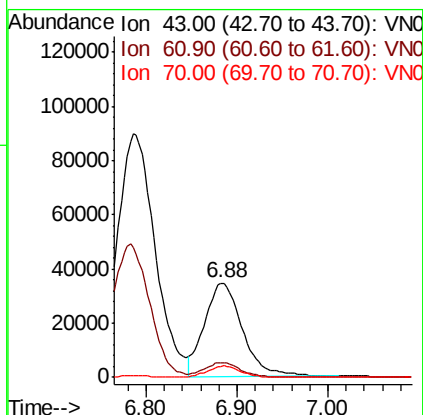
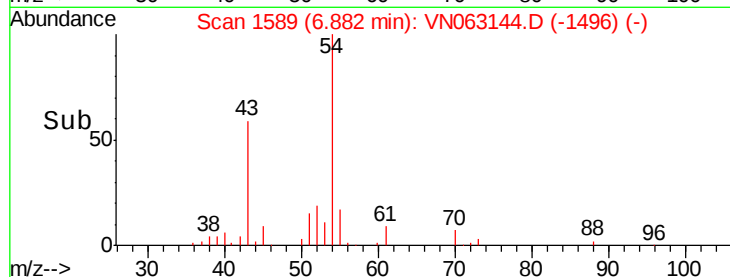
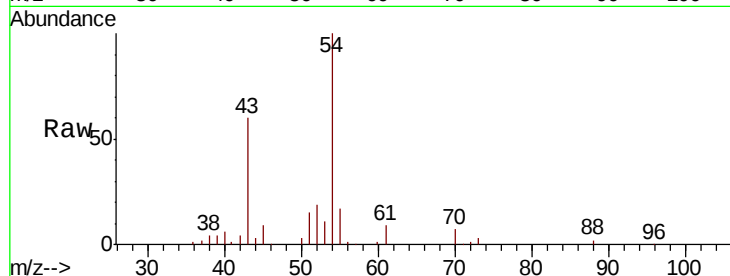




#37
Ethyl Acetate
Concen: 42.748 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

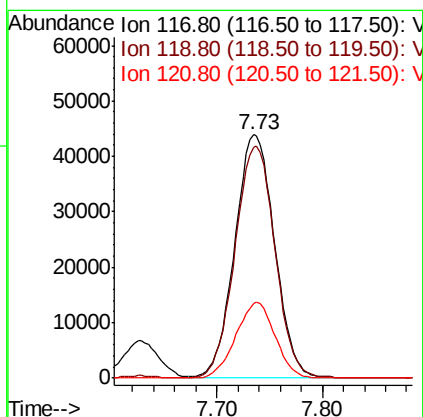
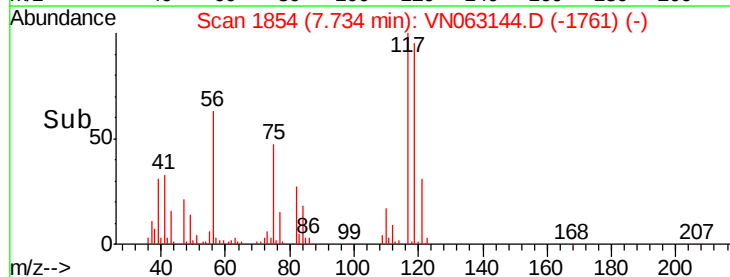
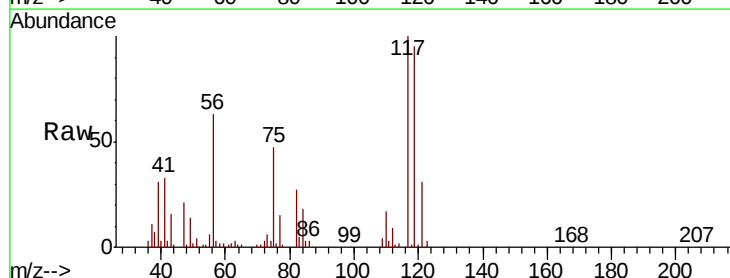
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

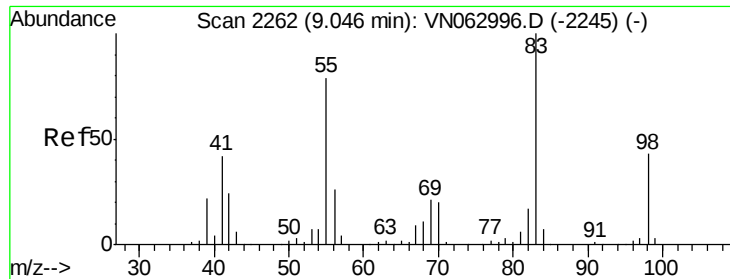
Tot Ion: 43 Resp: 100486
Ion Ratio Lower Upper
43 100
61 14.3 11.8 17.8
70 10.5 8.2 12.2



#38
Carbon Tetrachloride
Concen: 45.534 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

Tgt Ion: 117 Resp: 115325
Ion Ratio Lower Upper
117 100
119 95.0 76.2 114.4
121 30.5 24.2 36.2

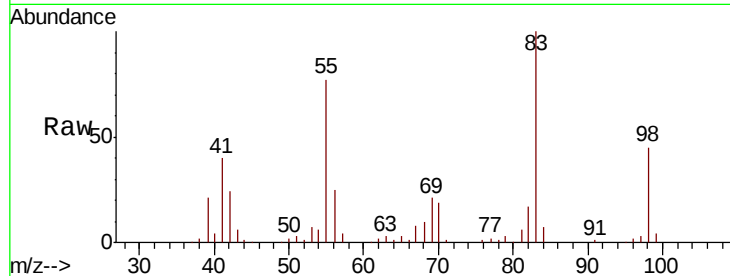




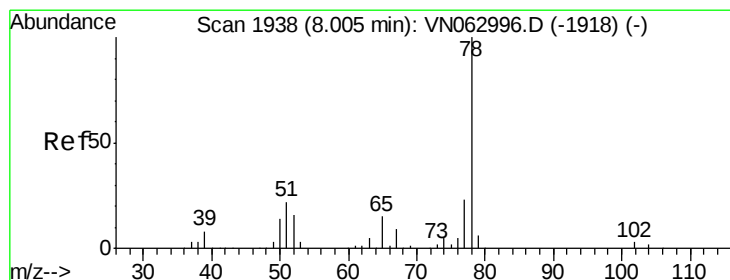
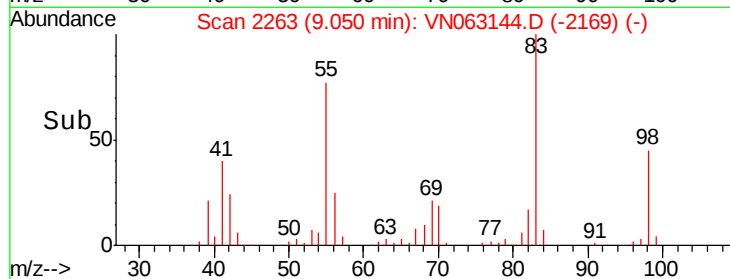
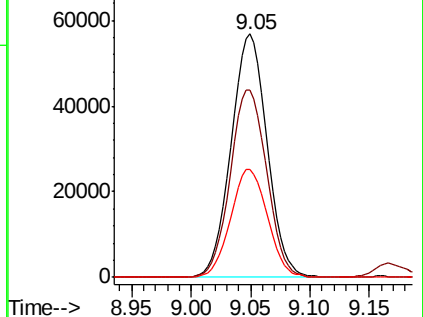
#39
Methvlcvclohexane
Concen: 35.687 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

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

Tot Ion: 83 Resp: 119308
Ion Ratio Lower Upper
83 100
55 77.0 63.3 94.9
98 44.5 34.2 51.4

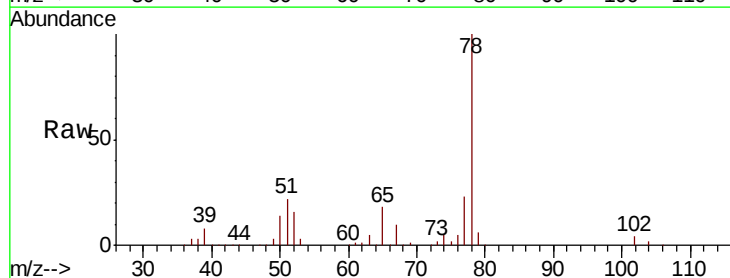


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

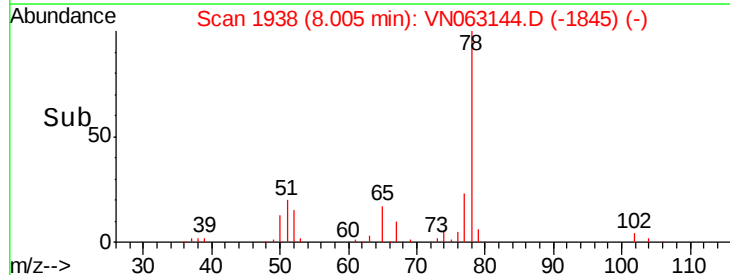
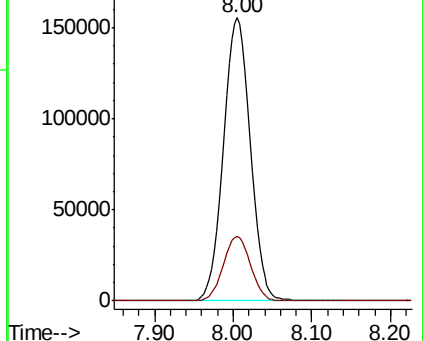


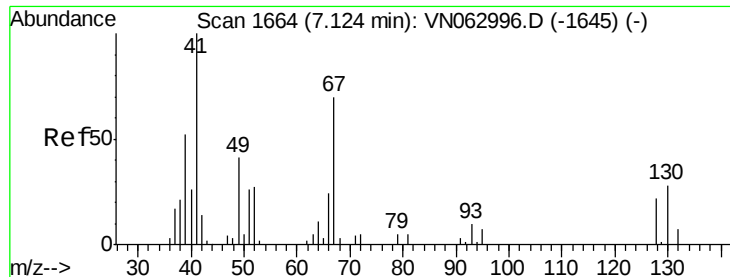
#40
Benzene
Concen: 46.028 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

Tgt Ion: 78 Resp: 366232
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2



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

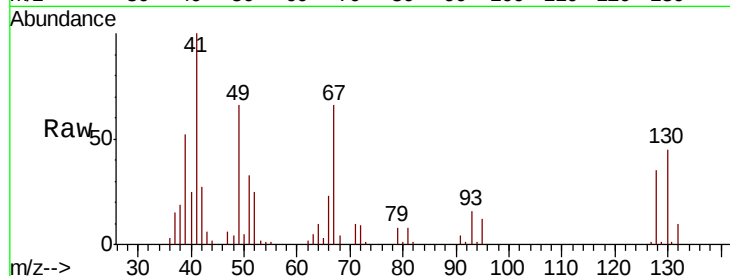




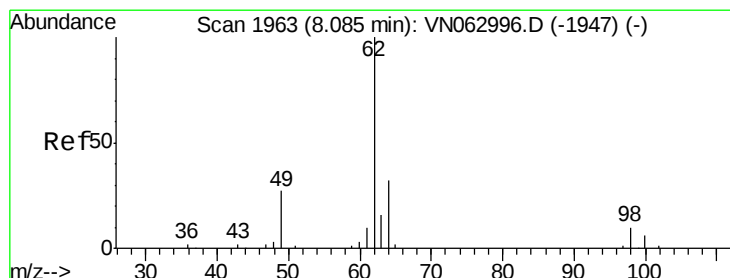
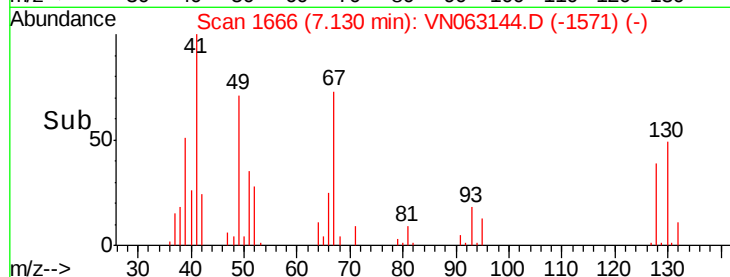
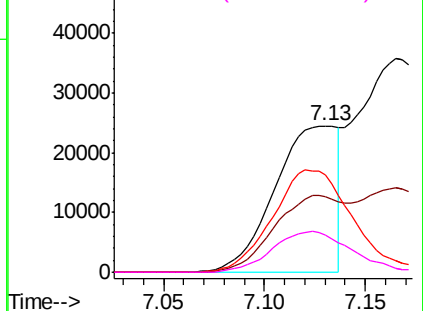
#41
Methacrylonitrile
Concen: 47.279 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

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

Tot Ion:	41	Resp:	52951
Ion	Ratio	Lower	Upper
41	100		
39	60.2	41.6	62.4
67	89.8	71.8	107.8
52	35.8	28.2	42.4

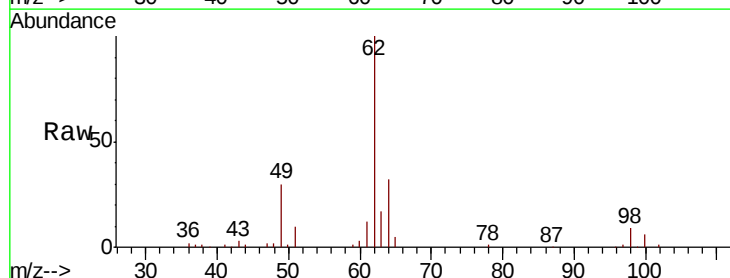


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

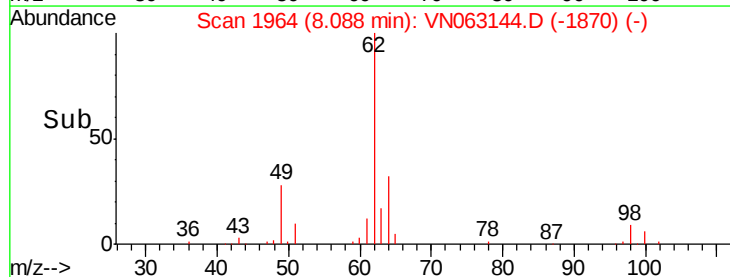
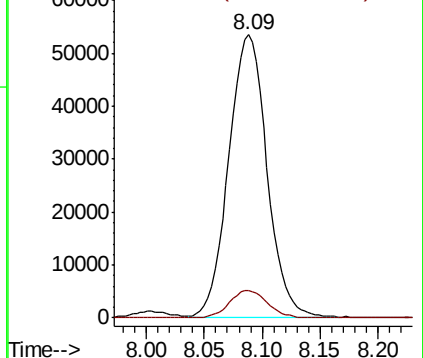


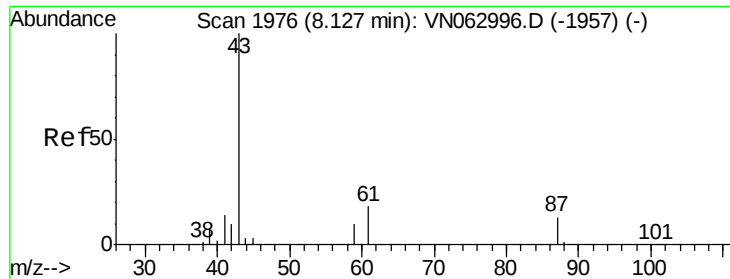
#42
1,2-Dichloroethane
Concen: 45.771 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

Tgt Ion:	62	Resp:	122285
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 45.428 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

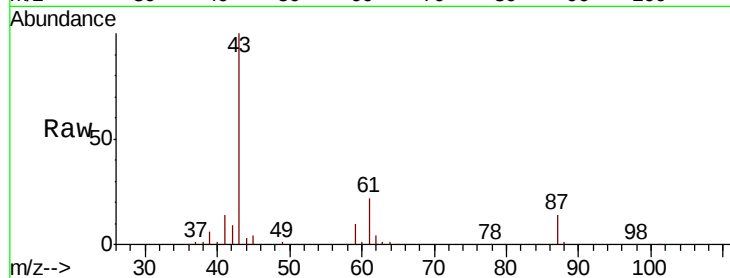
Tot Ion: 43 Resp: 176914

Ion Ratio Lower Upper

43 100

61 29.4 22.6 33.8

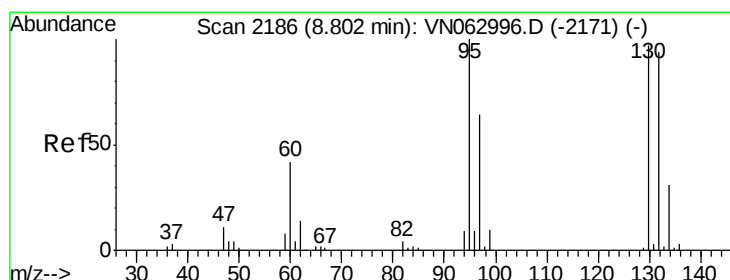
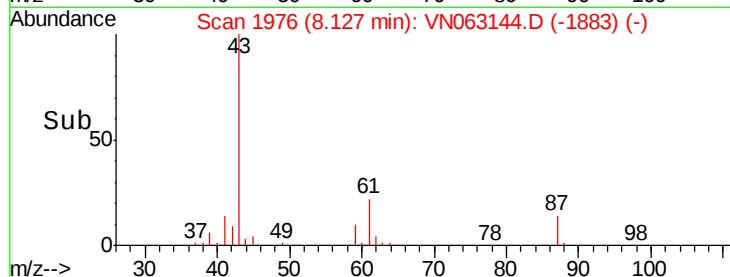
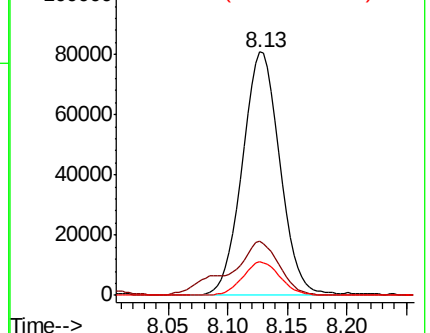
87 13.6 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VN063144.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN063144.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN063144.D (-1957) (-)



#44

Trichloroethene

Concen: 46.753 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN063144.D

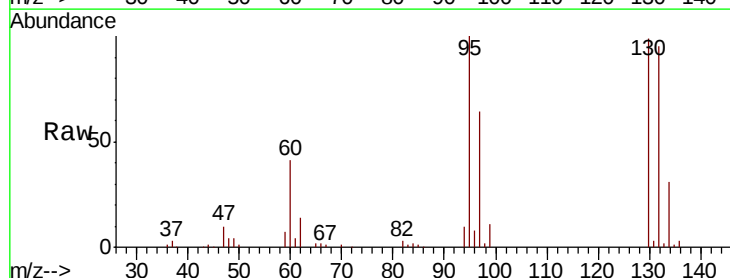
Acq: 26 Aug 2020 19:47

Tgt Ion:130 Resp: 92532

Ion Ratio Lower Upper

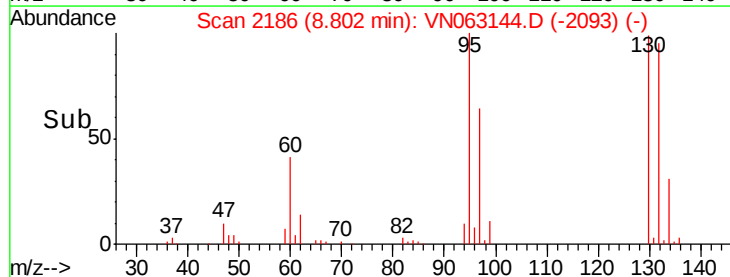
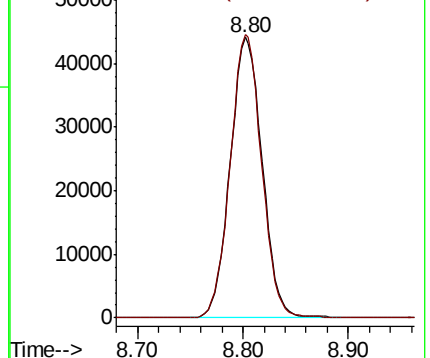
130 100

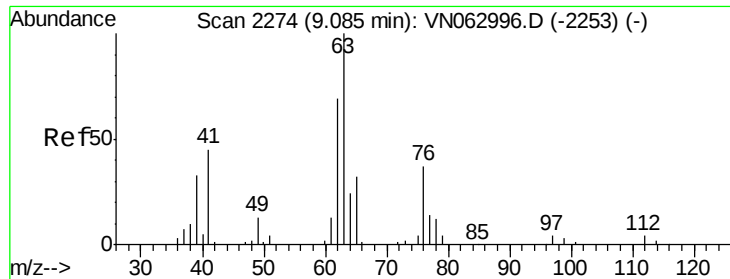
95 101.0 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VN063144.D (-2171) (-)

Ion 94.90 (94.60 to 95.60): VN063144.D (-2171) (-)

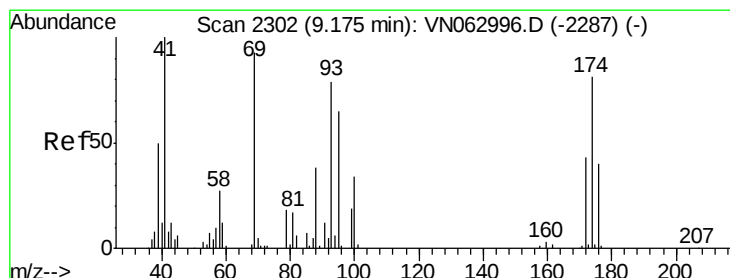
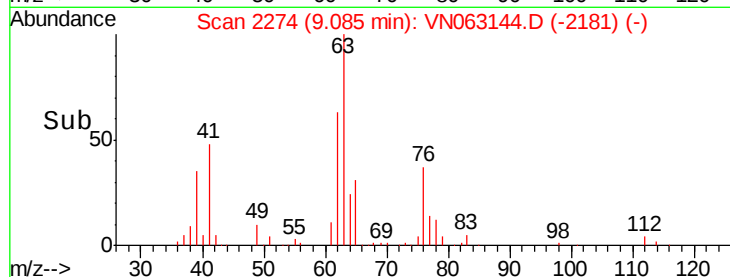
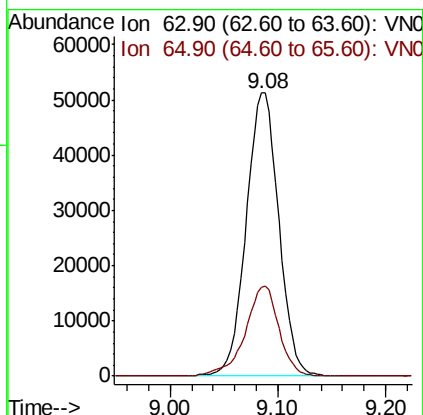
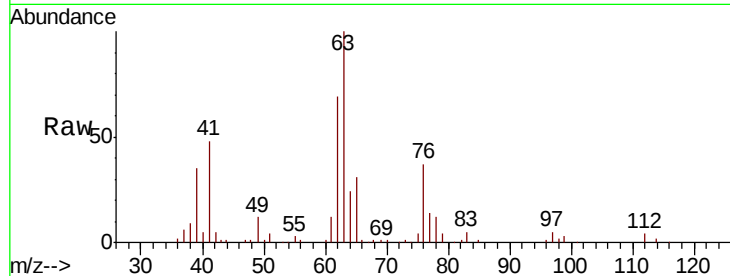




#45
 1,2-Dichloropropane
 Concen: 46.751 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

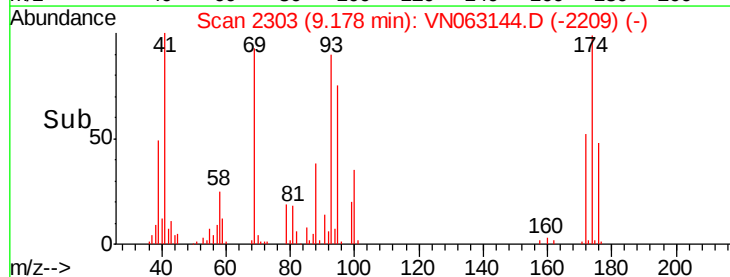
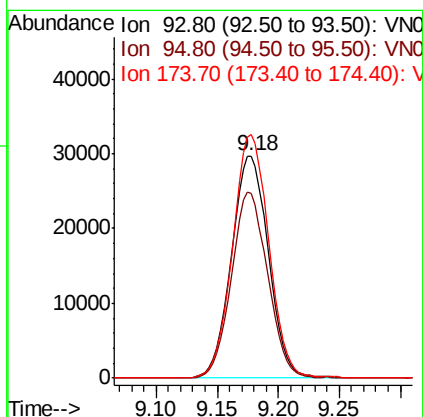
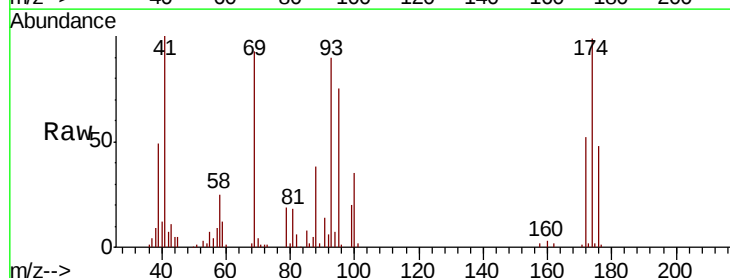
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

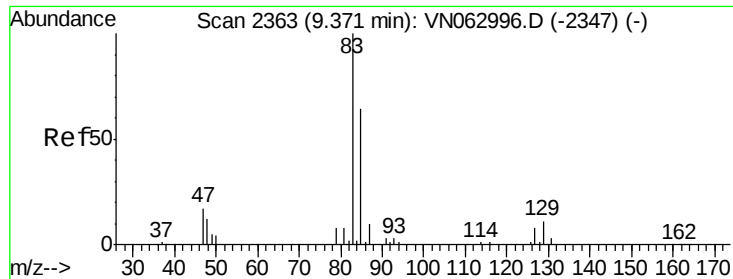
Tot Ion: 63 Resp: 107524
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.6 38.4



#46
 Dibromomethane
 Concen: 46.997 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

Tgt Ion: 93 Resp: 62443
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.2 99.4
 174 107.3 84.6 127.0





#47

Bromodichloromethane

Concen: 47.035 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

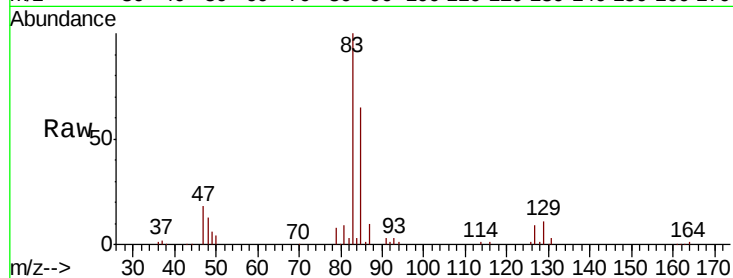
Tot Ion: 83 Resp: 136875

Ion Ratio Lower Upper

83 100

85 65.2 51.1 76.7

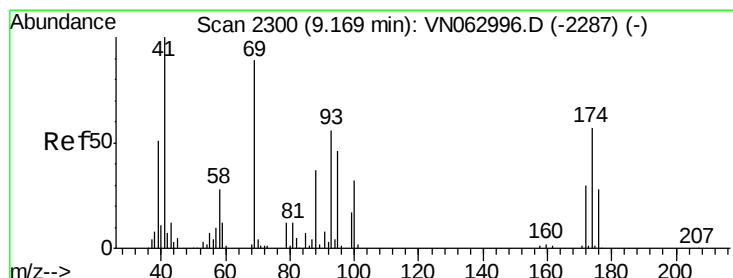
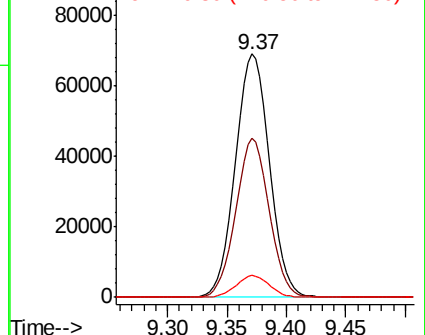
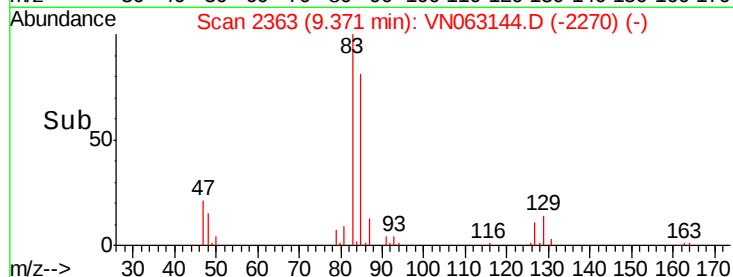
127 9.0 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN063144.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN063144.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN063144.D (-2270) (-)



#48

Methyl methacrylate

Concen: 46.875 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

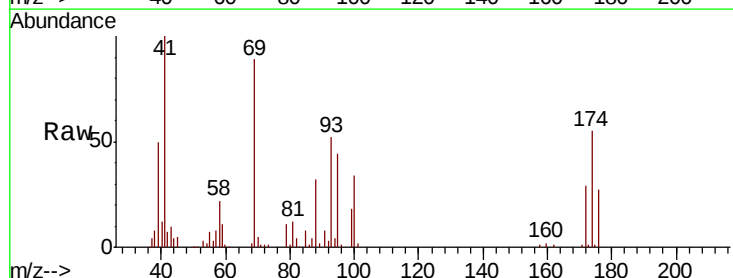
Tgt Ion: 41 Resp: 86371

Ion Ratio Lower Upper

41 100

69 93.9 74.2 111.4

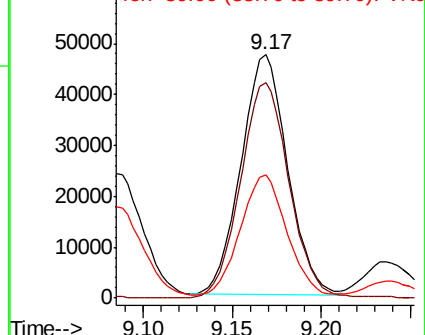
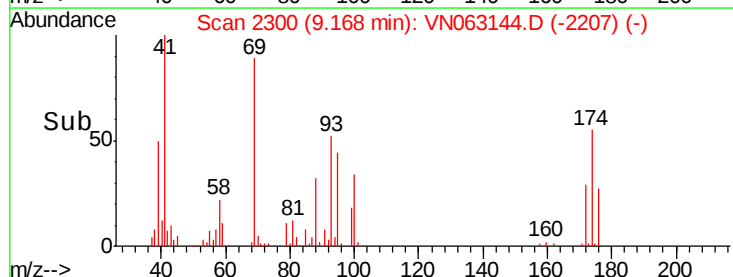
39 52.5 42.5 63.7

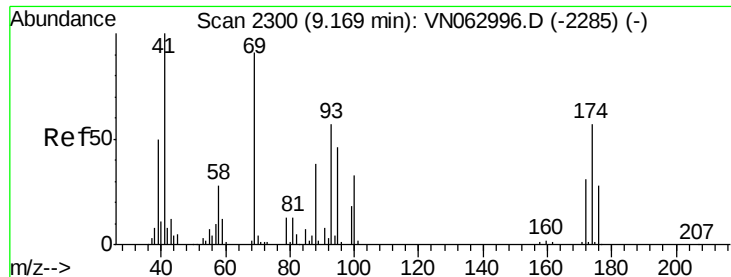


Abundance Ion 41.00 (40.70 to 41.70): VN063144.D (-2207) (-)

Ion 69.00 (68.70 to 69.70): VN063144.D (-2207) (-)

Ion 39.00 (38.70 to 39.70): VN063144.D (-2207) (-)

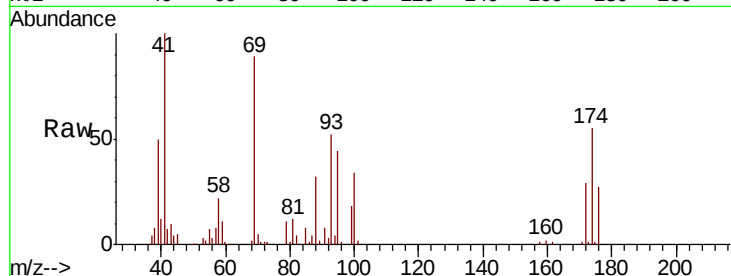




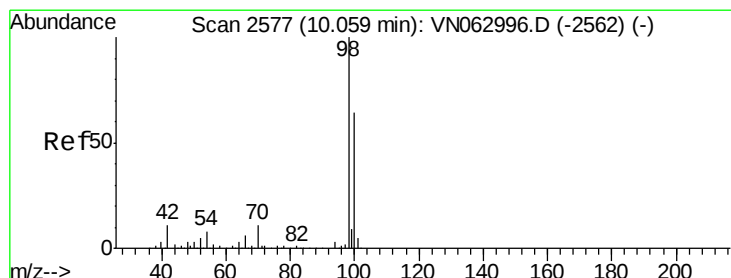
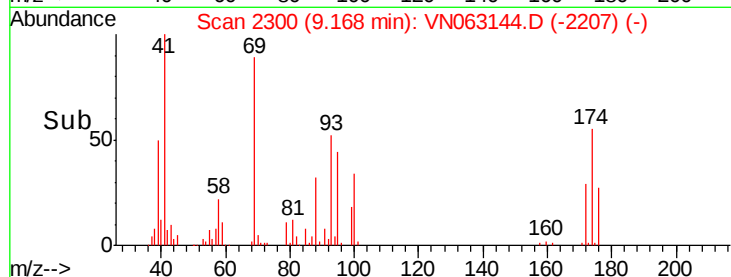
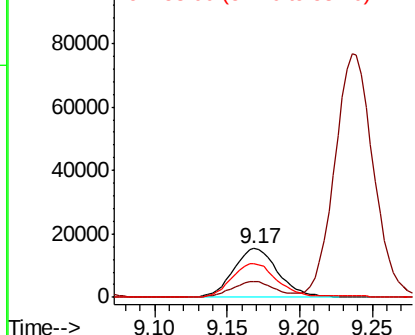
#49
1,4-Dioxane
Concen: 817.439 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

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

Tot Ion: 88 Resp: 33030
Ion Ratio Lower Upper
88 100
43 31.6 25.2 37.8
58 70.6 56.7 85.1

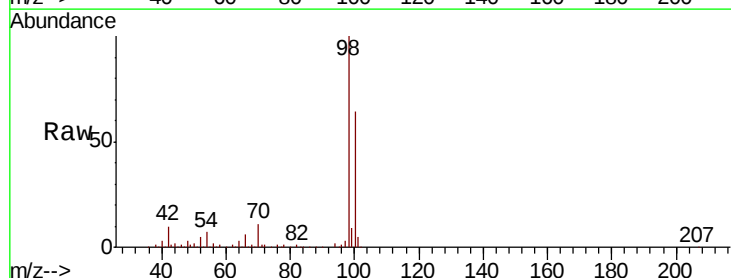


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

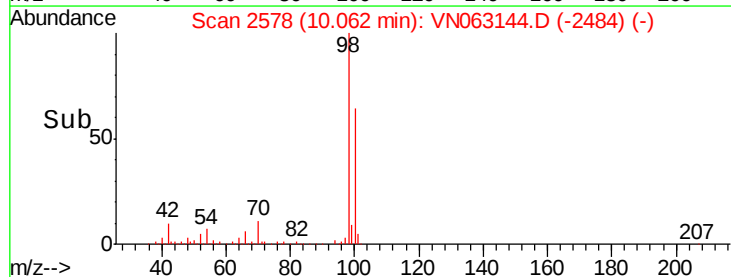
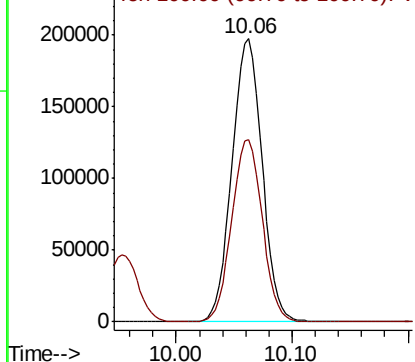


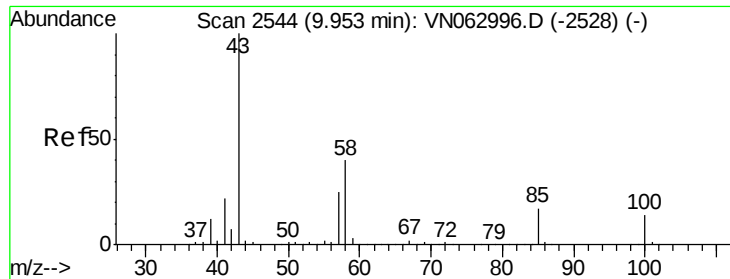
#50
Toluene-d8
Concen: 50.143 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

Tgt Ion: 98 Resp: 357263
Ion Ratio Lower Upper
98 100
100 65.2 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: 228.711 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

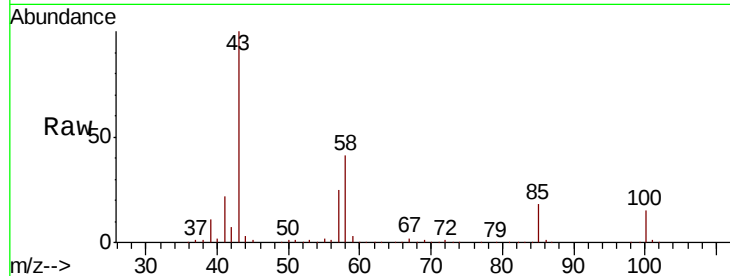
BP-VPB181-GW-498-500MSD

Tot Ion: 43 Resp: 562986

Ion Ratio Lower Upper

43 100

58 40.9 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

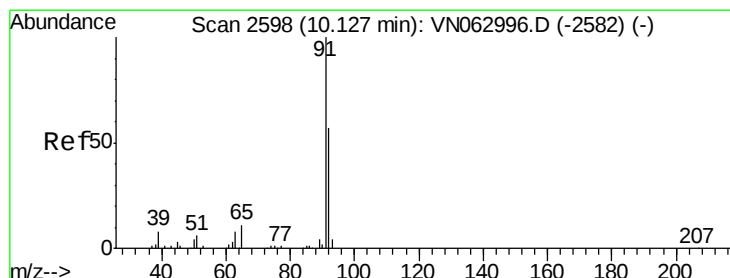
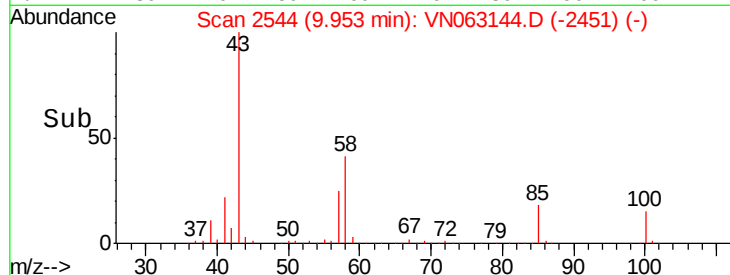
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.247 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN063144.D

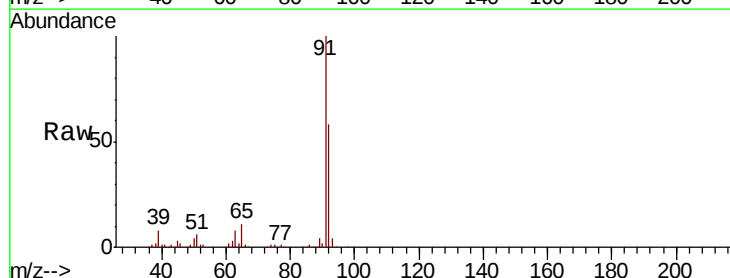
Acq: 26 Aug 2020 19:47

Tgt Ion: 92 Resp: 226777

Ion Ratio Lower Upper

92 100

91 173.6 139.2 208.8



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

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

250000

200000

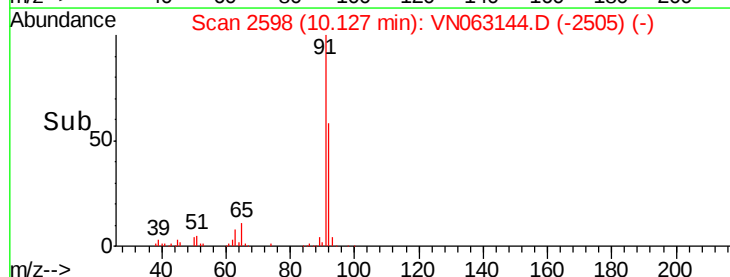
150000

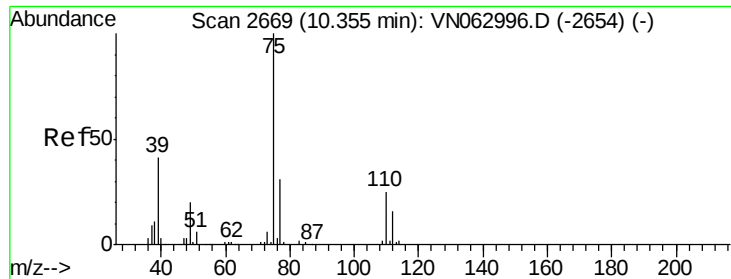
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.897 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

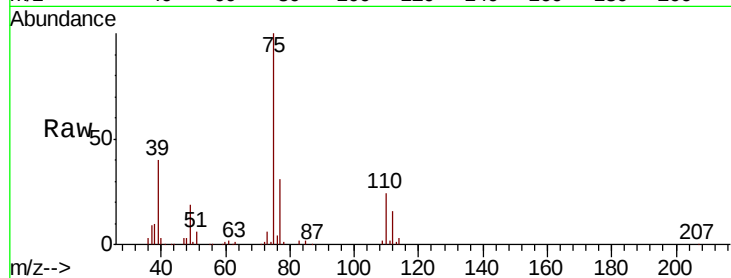
BP-VPB181-GW-498-500MSD

Tot Ion: 75 Resp: 147151

Ion Ratio Lower Upper

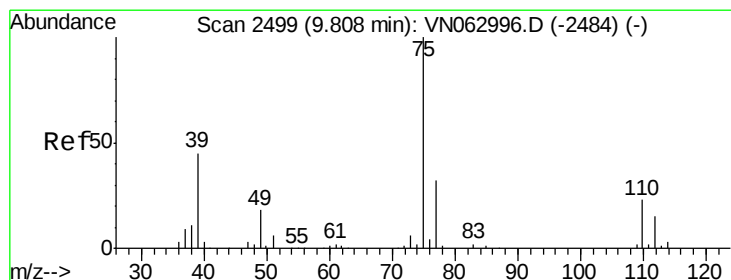
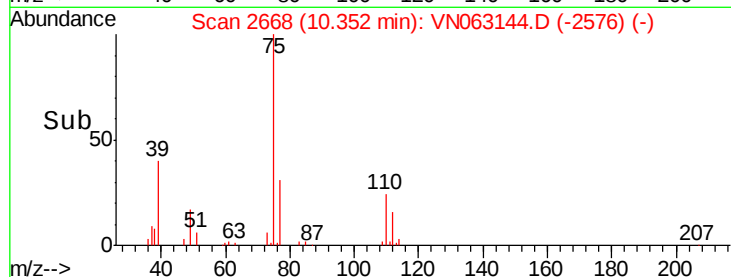
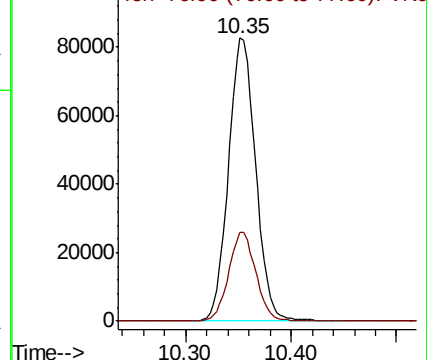
75 100

77 31.3 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 48.246 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

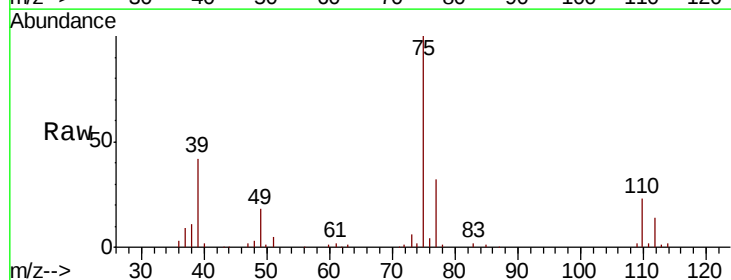
Tgt Ion: 75 Resp: 159274

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2

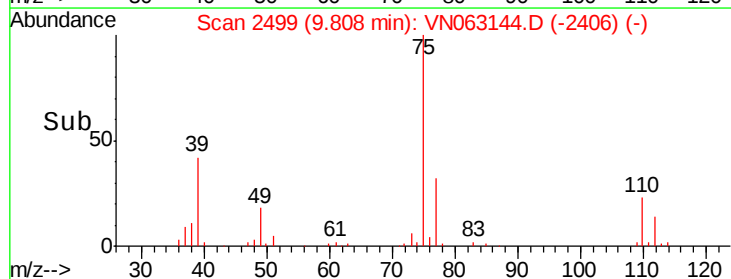
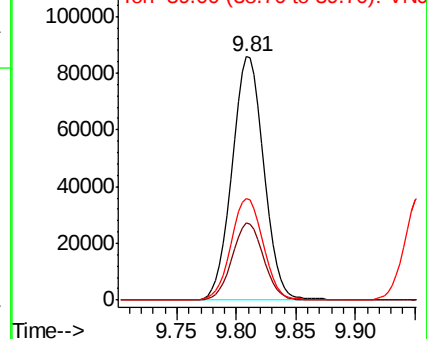
39 42.0 35.7 53.5

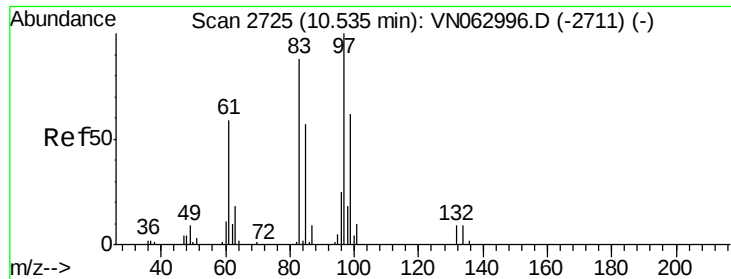


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

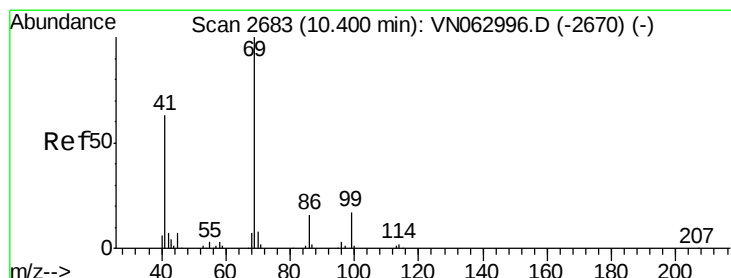
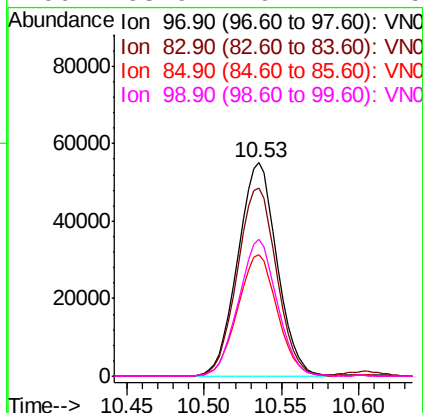
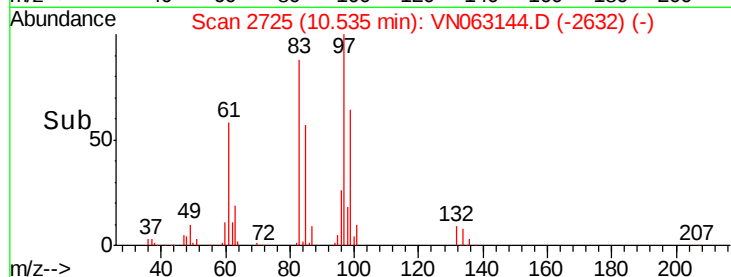
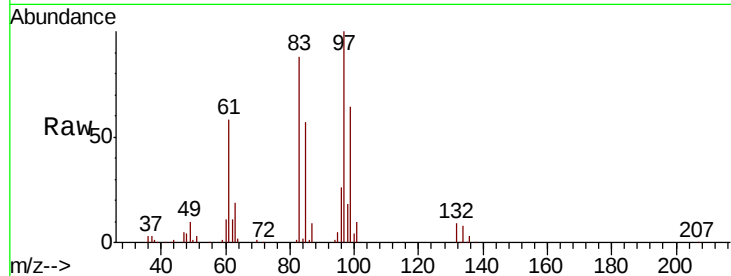




#55
 1,1,2-Trichloroethane
 Concen: 47.546 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

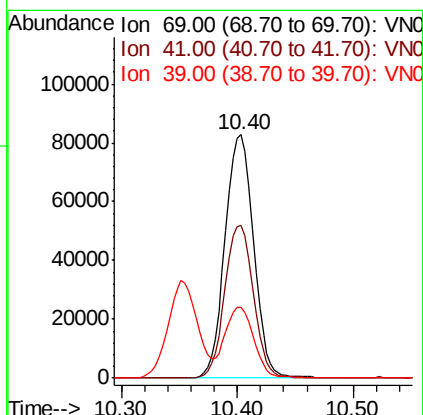
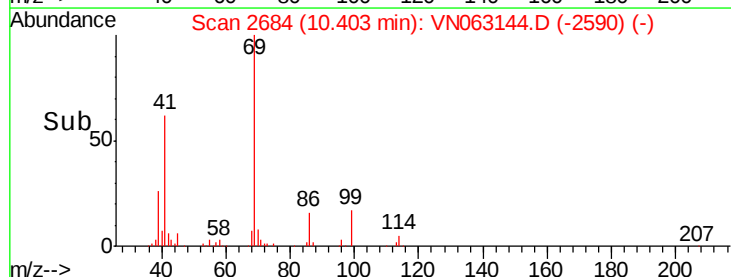
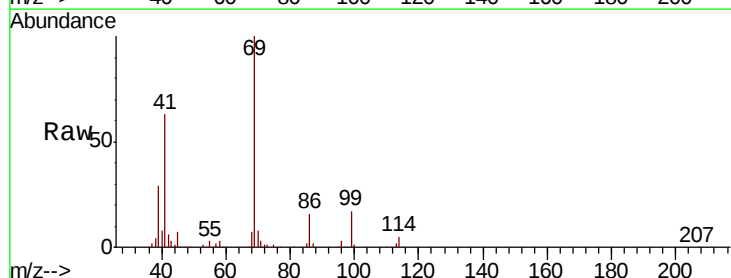
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

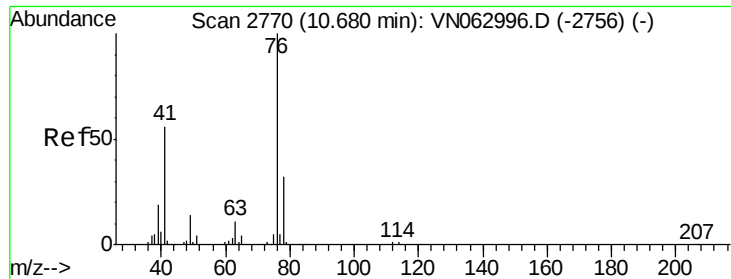
Tot Ion:	97	Resp:	97580
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.5	105.7
85	56.9	45.8	68.6
99	63.9	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 44.587 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

Tgt Ion:	69	Resp:	140711
Ion	Ratio	Lower	Upper
69	100		
41	62.3	50.2	75.2
39	29.8	24.2	36.4

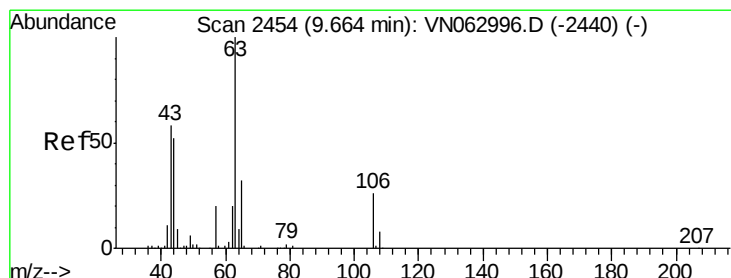
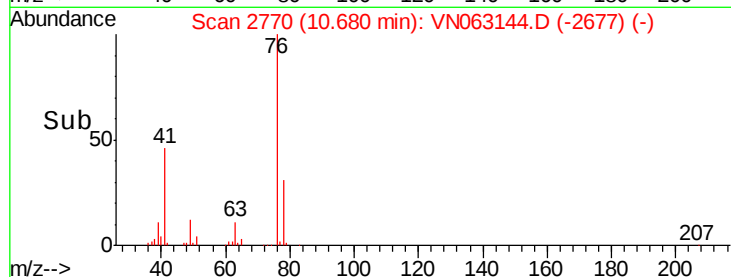
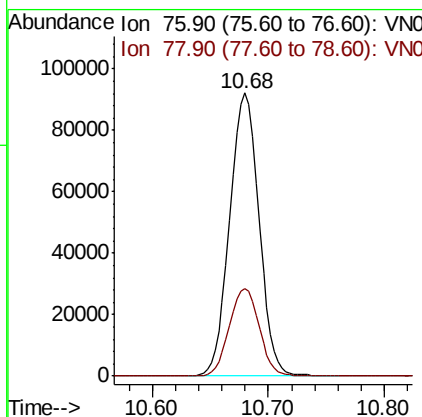
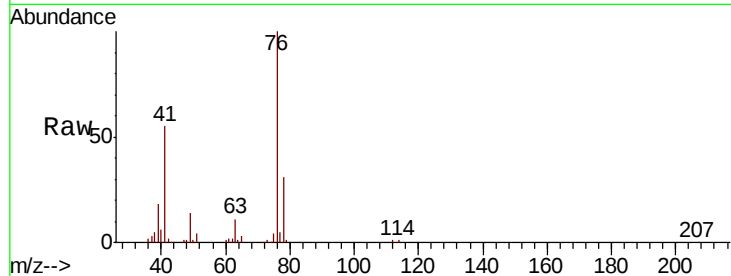




#57
 1,3-Dichloropropane
 Concen: 47.290 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

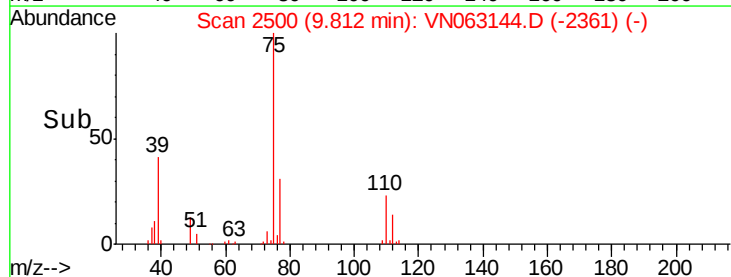
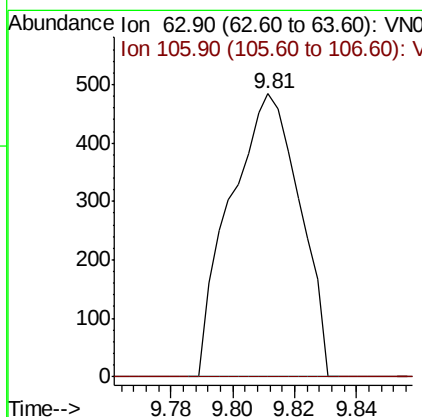
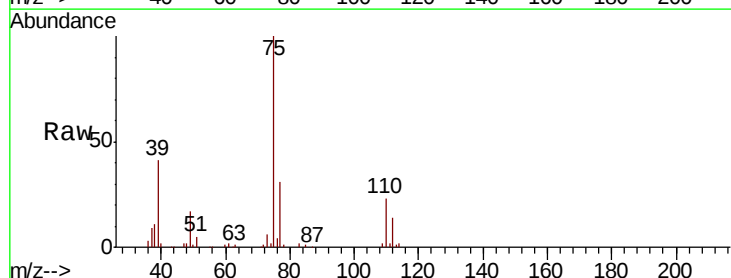
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

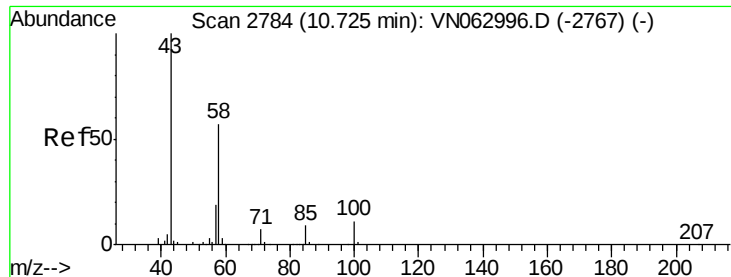
Tot Ion: 76 Resp: 161164
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 13.132 ug/l
 RT: 9.81 min Scan# 2500
 Delta R.T. 0.15 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

Tgt Ion: 63 Resp: 755
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.7 31.1#

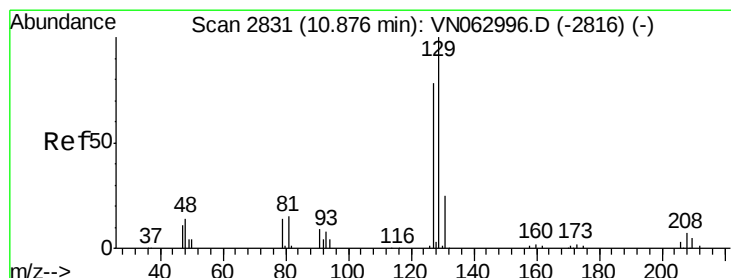
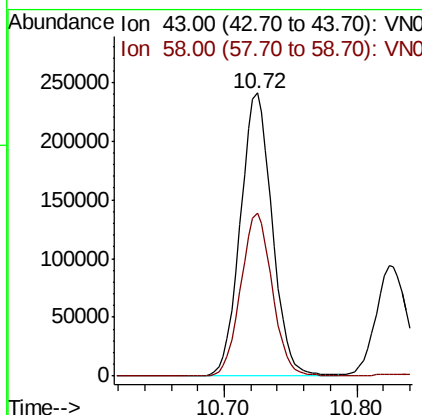
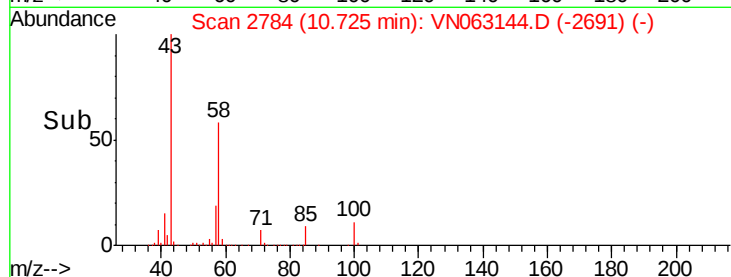
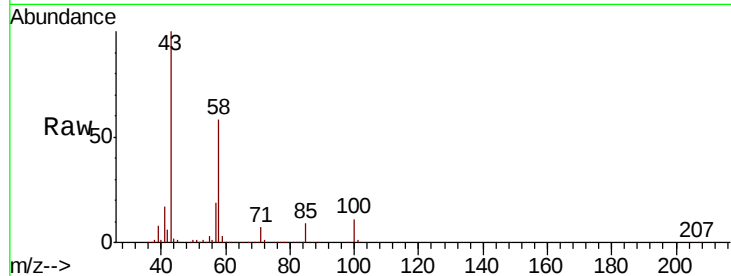




#59
2-Hexanone
Concen: 233.185 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

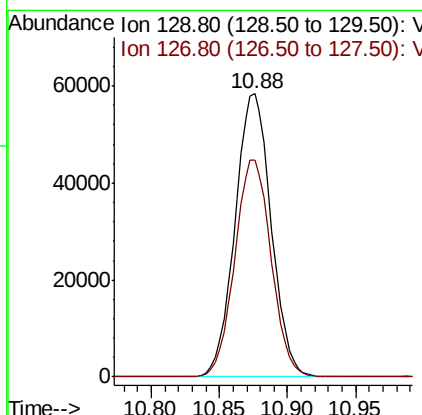
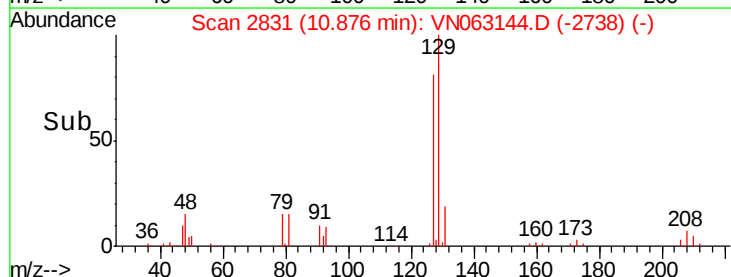
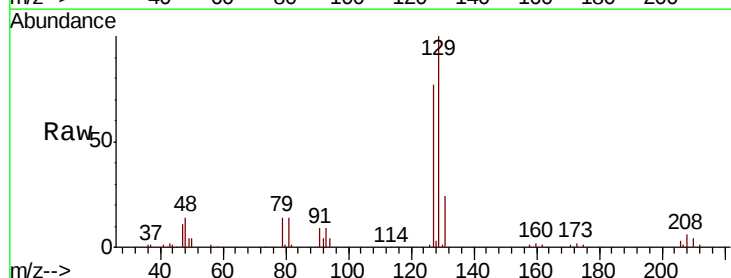
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

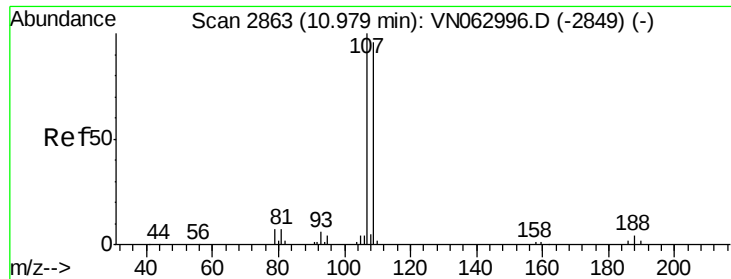
Tot Ion: 43 Resp: 400380
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3



#60
Dibromochloromethane
Concen: 47.281 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

Tgt Ion: 129 Resp: 107387
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.2





#61

1,2-Dibromoethane

Concen: 46.912 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

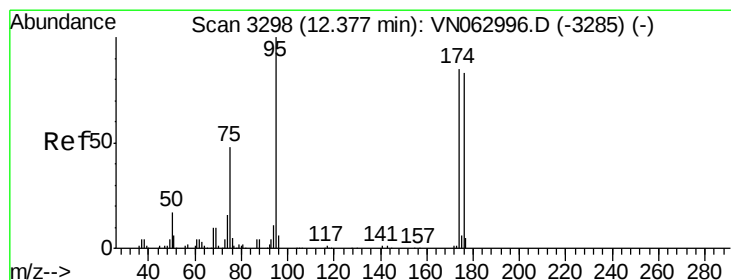
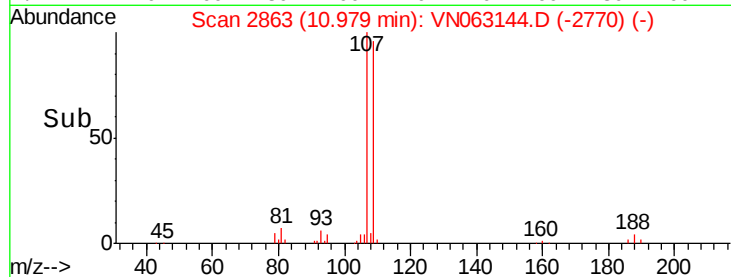
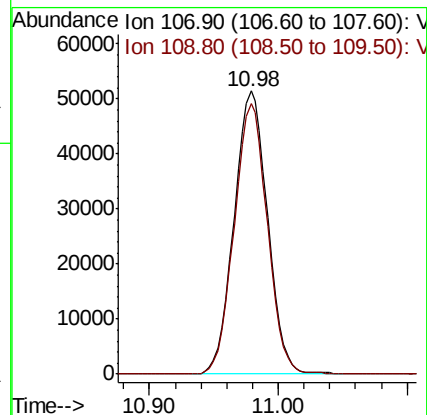
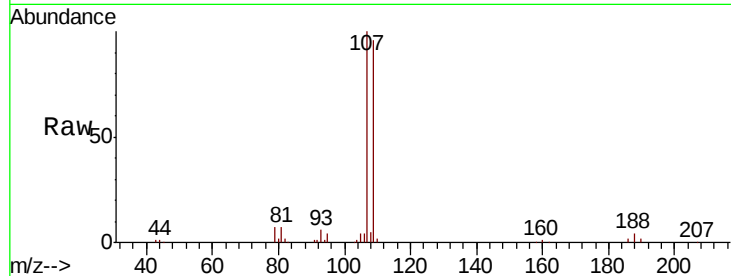
BP-VPB181-GW-498-500MSD

Tot Ion:107 Resp: 92511

Ion Ratio Lower Upper

107 100

109 94.8 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 50.754 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

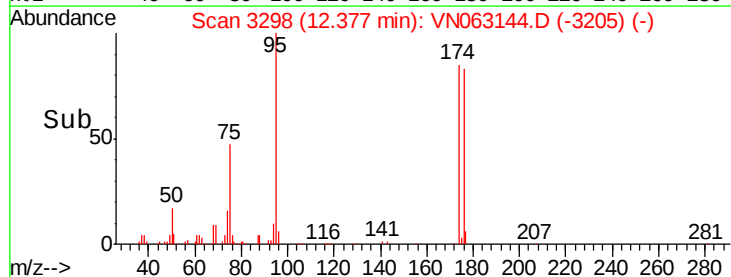
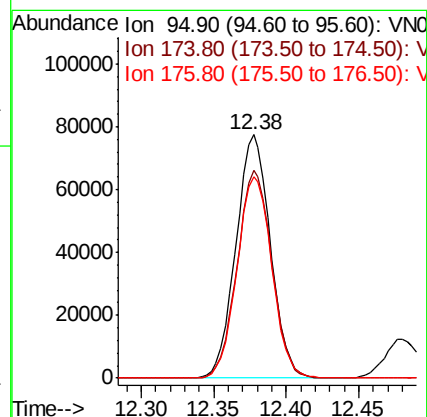
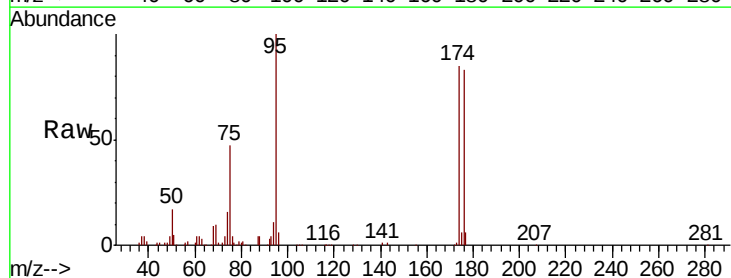
Tgt Ion: 95 Resp: 127607

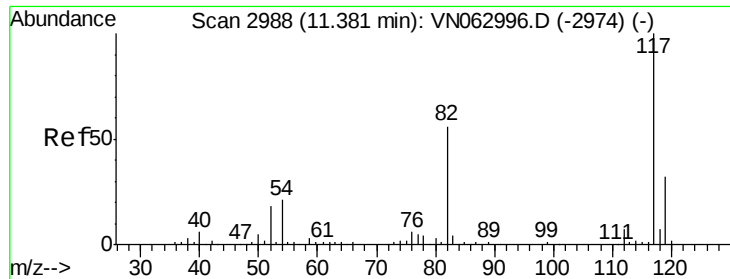
Ion Ratio Lower Upper

95 100

174 85.8 0.0 170.8

176 83.7 0.0 164.8

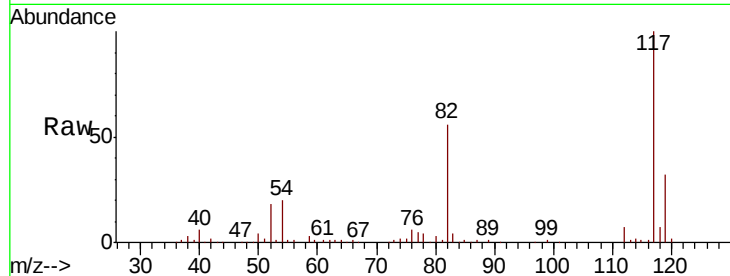




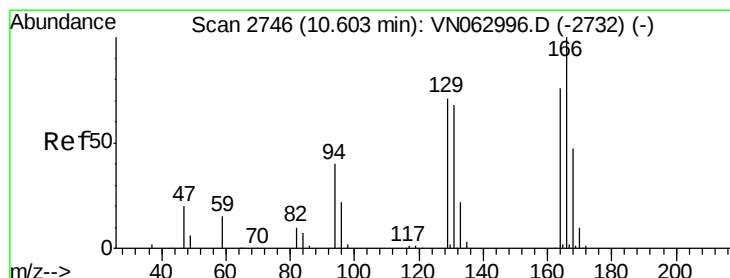
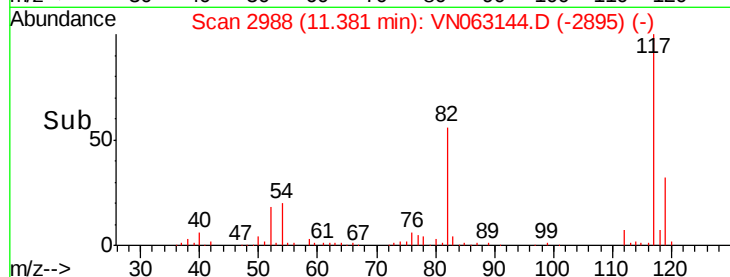
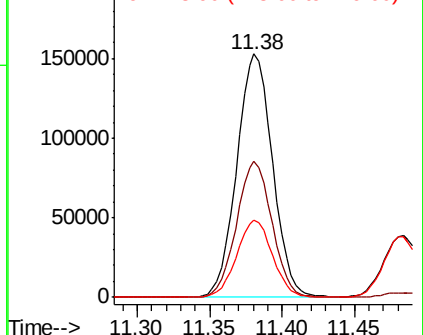
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

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

Tot Ion:117 Resp: 262192
Ion Ratio Lower Upper
117 100
82 55.8 44.5 66.7
119 31.8 25.5 38.3

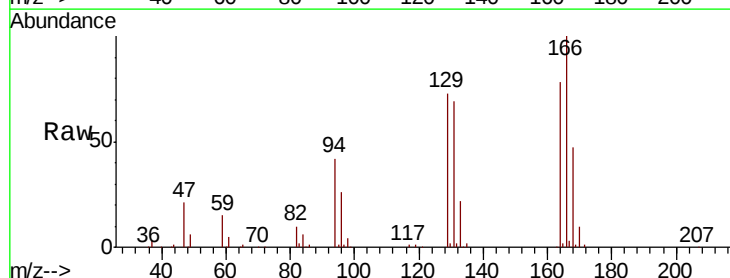


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

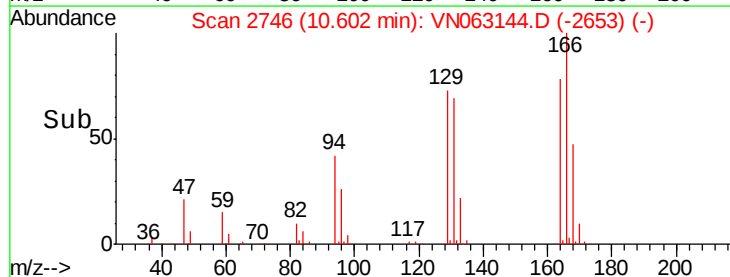
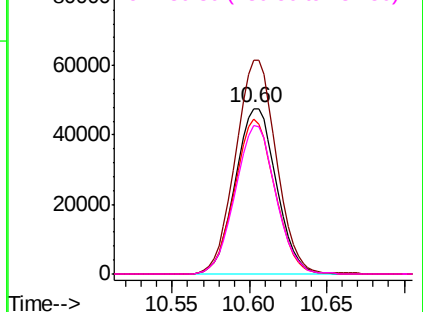


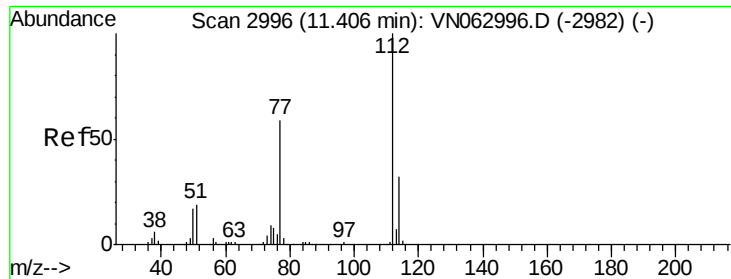
#64
Tetrachloroethene
Concen: 50.936 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

Tgt Ion:164 Resp: 87789
Ion Ratio Lower Upper
164 100
166 128.9 105.0 157.6
129 93.5 74.7 112.1
131 89.4 71.0 106.4



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

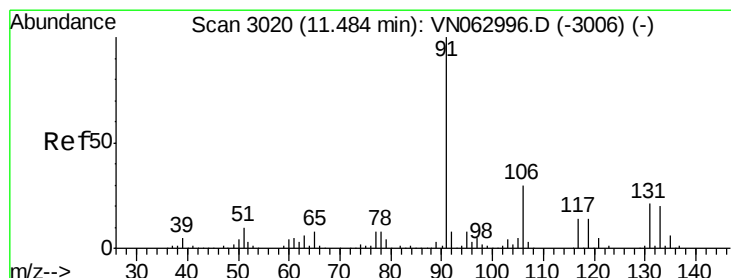
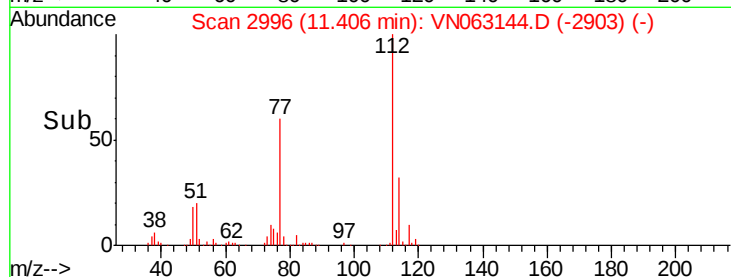
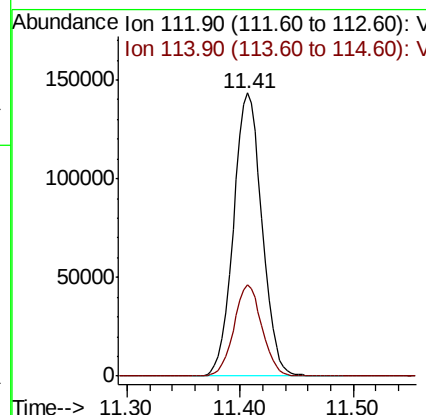
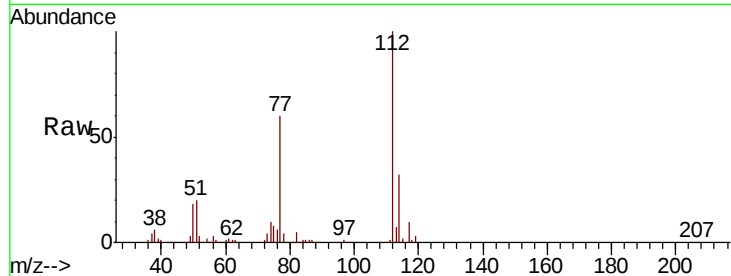




#65
Chlorobenzene
Concen: 47.657 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

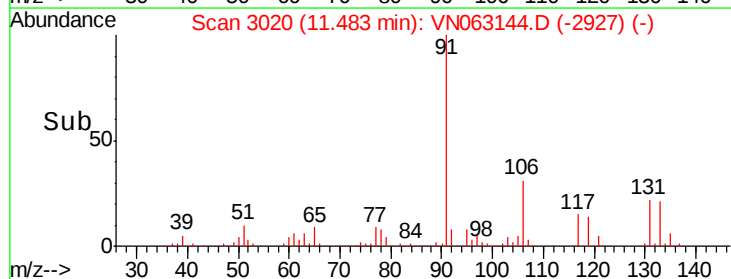
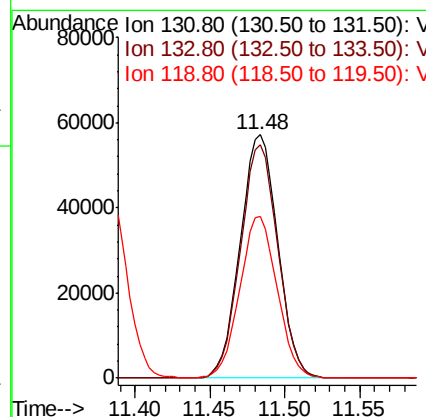
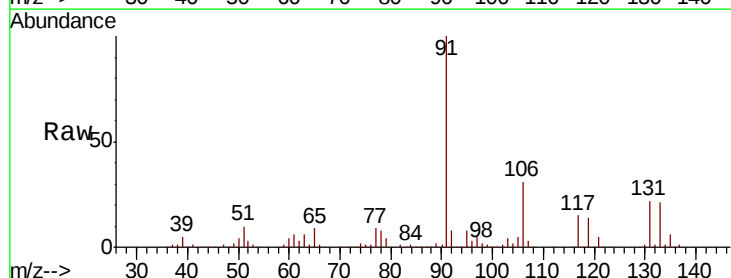
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

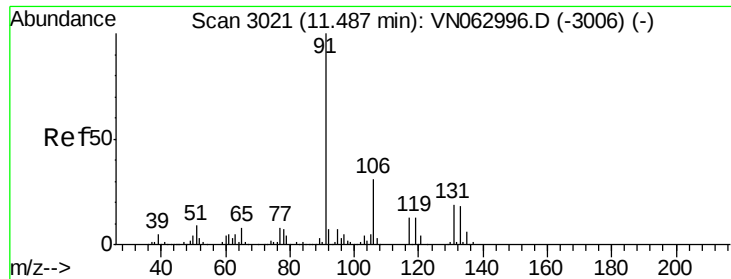
Tot Ion:112 Resp: 250954
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 48.889 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

Tgt Ion:131 Resp: 100132
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.6
119 66.1 33.1 99.3

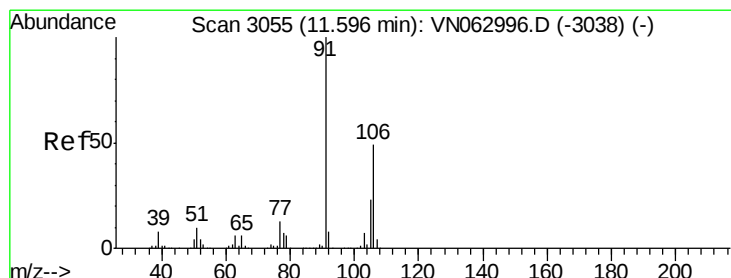
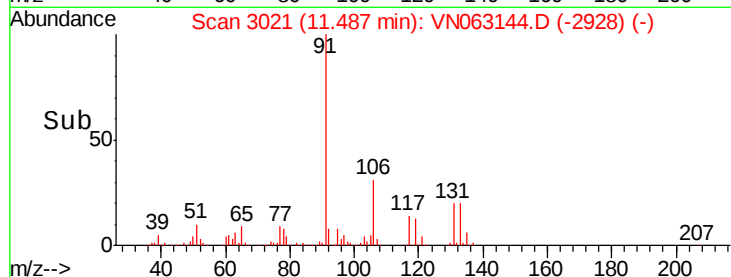
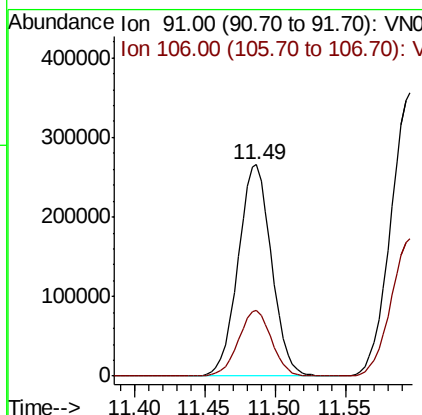
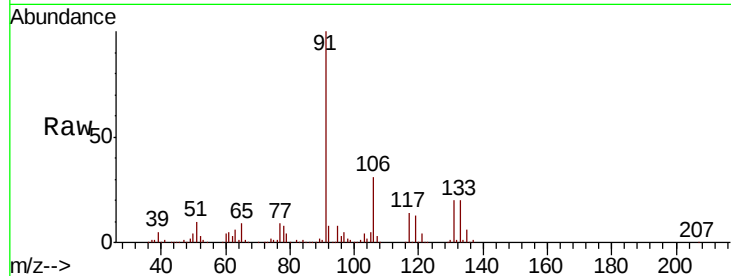




#67
Ethyl Benzene
Concen: 49.501 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

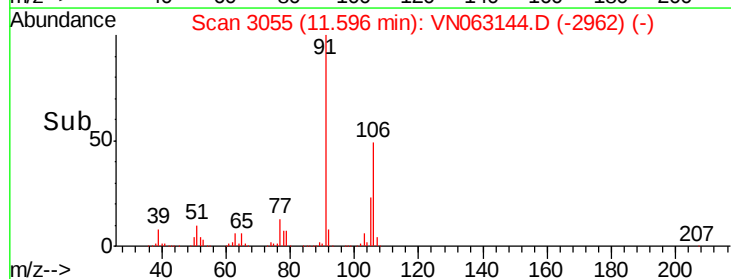
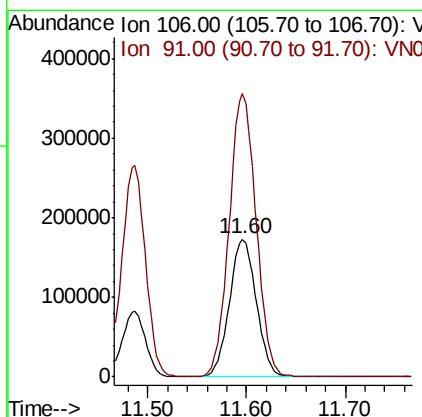
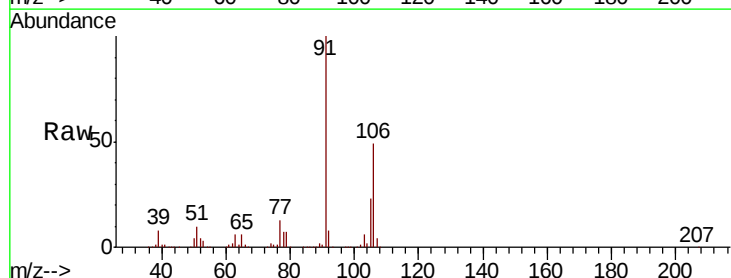
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

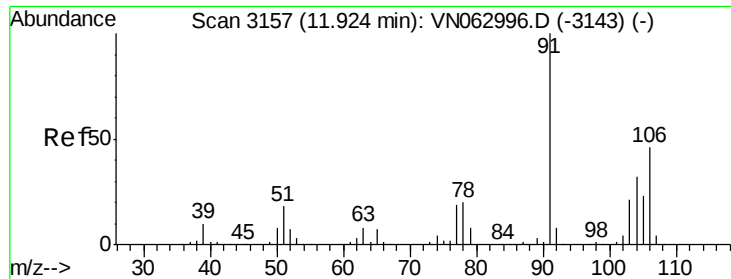
Tot Ion: 91 Resp: 440446
Ion Ratio Lower Upper
91 100
106 31.1 24.6 37.0



#68
m/p-Xylenes
Concen: 99.663 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

Tgt Ion: 106 Resp: 329582
Ion Ratio Lower Upper
106 100
91 205.7 163.0 244.4

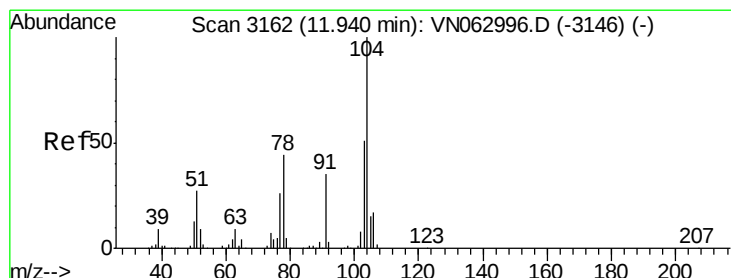
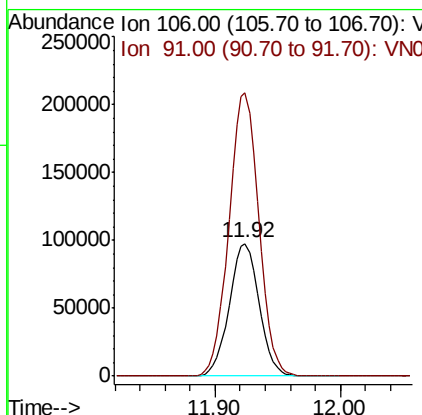
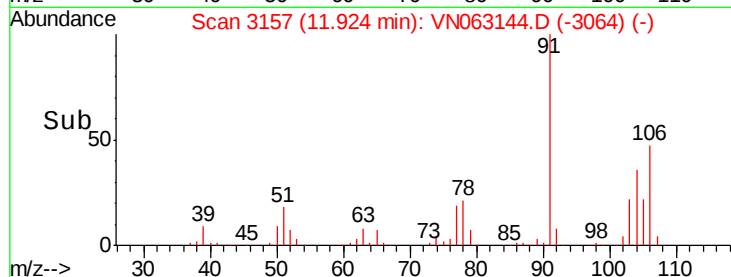
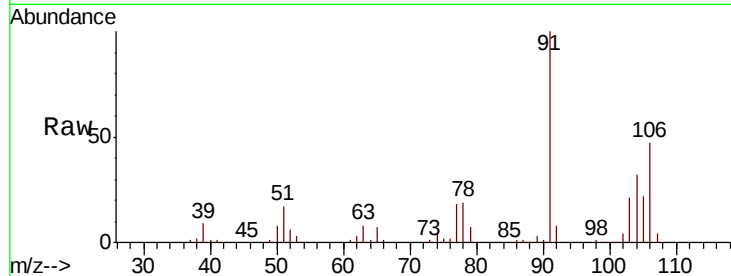




#69
o-Xylene
Concen: 50.840 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

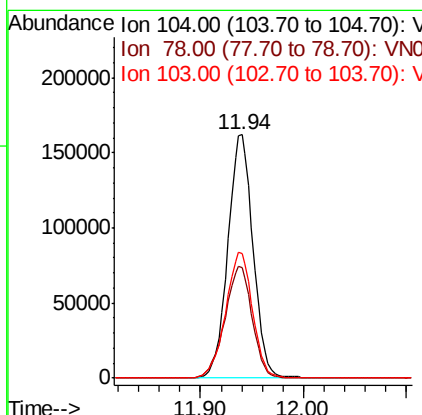
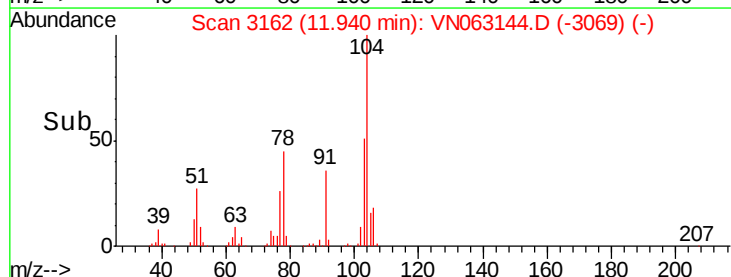
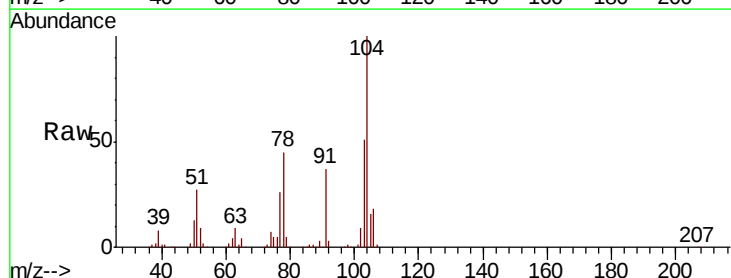
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

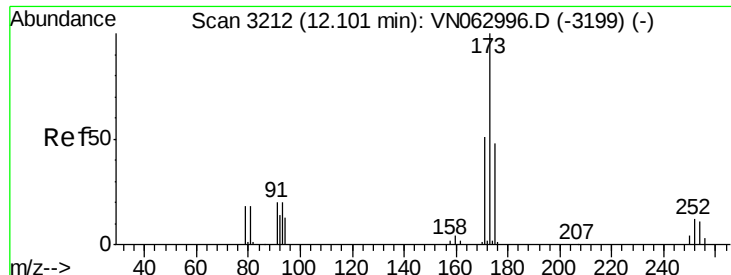
Tot Ion:106 Resp: 161446
Ion Ratio Lower Upper
106 100
91 213.5 107.3 321.9



#70
Styrene
Concen: 44.025 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

Tgt Ion:104 Resp: 275933
Ion Ratio Lower Upper
104 100
78 49.7 39.0 58.6
103 55.4 44.3 66.5





#71

Bromoform

Concen: 49.118 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

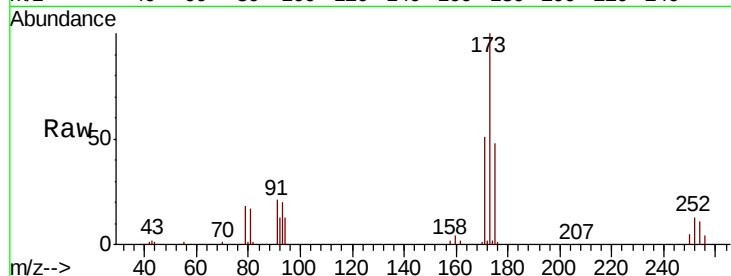
Tot Ion:173 Resp: 80076

Ion Ratio Lower Upper

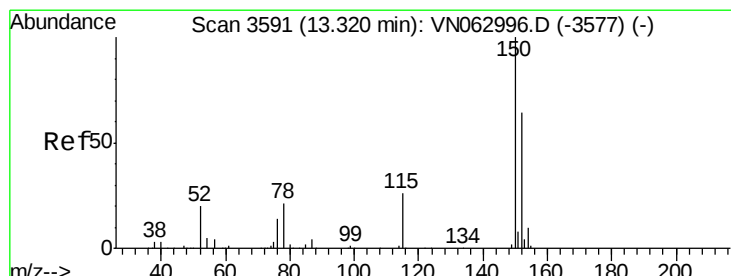
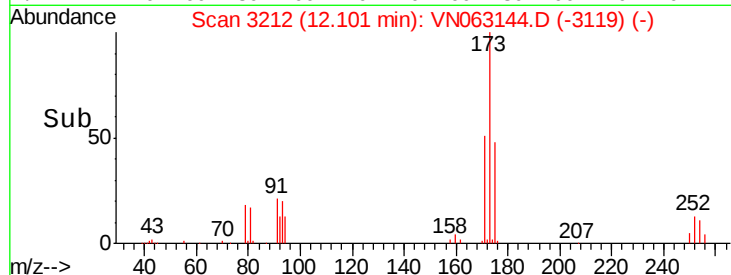
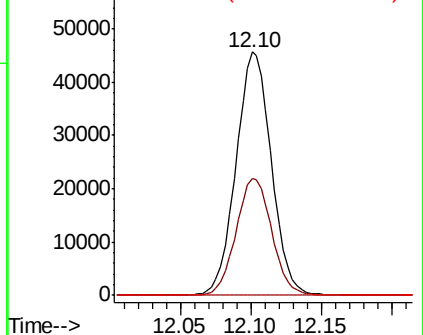
173 100

175 48.5 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: VN063144.D

Acq: 26 Aug 2020 19:47

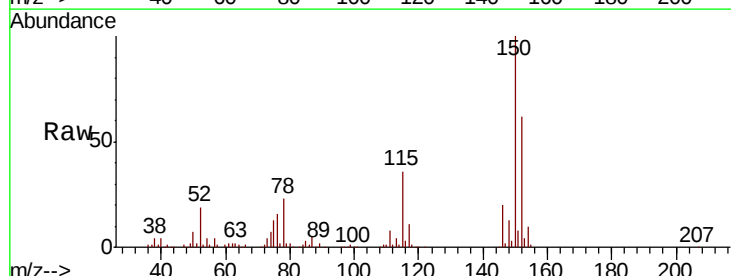
Tgt Ion:152 Resp: 128714

Ion Ratio Lower Upper

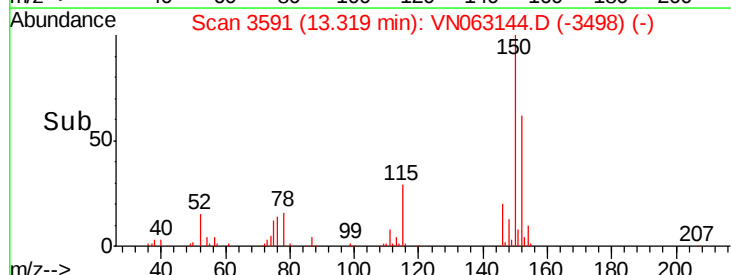
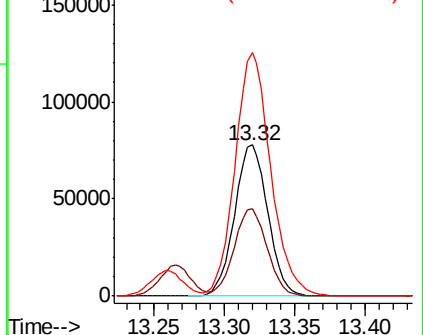
152 100

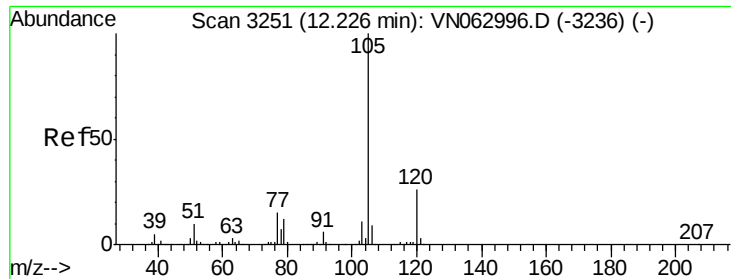
115 57.8 28.7 86.3

150 172.8 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: 47.820 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

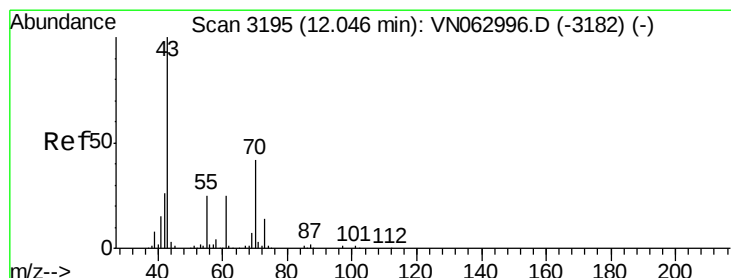
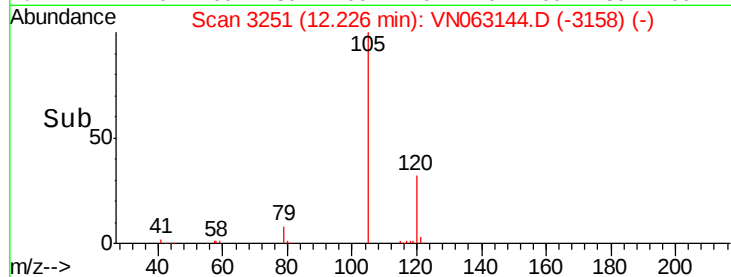
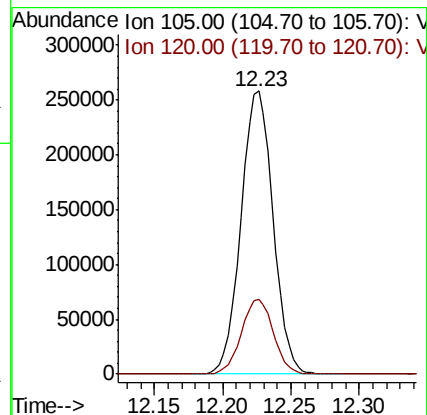
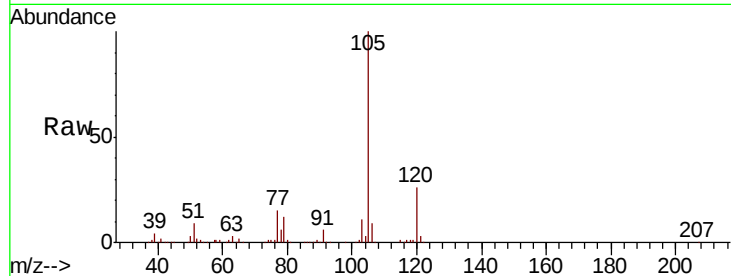
BP-VPB181-GW-498-500MSD

Tot Ion:105 Resp: 421498

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



#74

N-ethyl acetate

Concen: 51.121 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Tgt Ion: 43 Resp: 161381

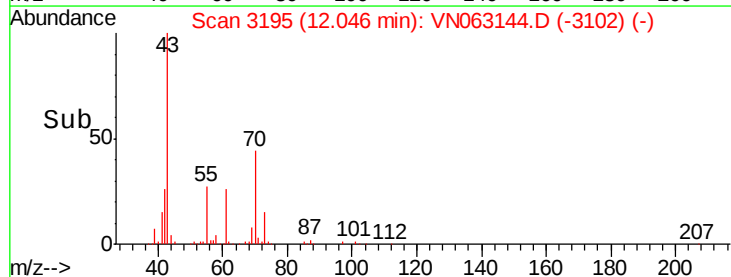
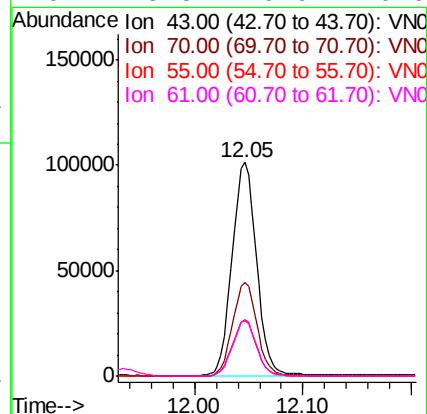
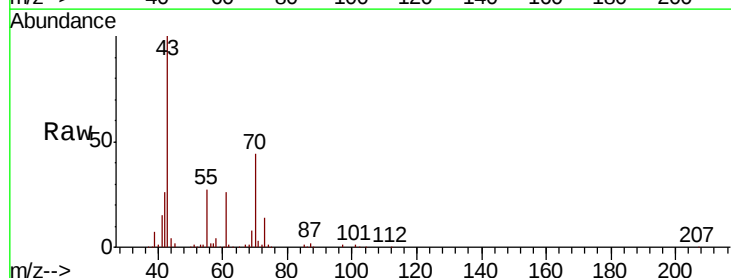
Ion Ratio Lower Upper

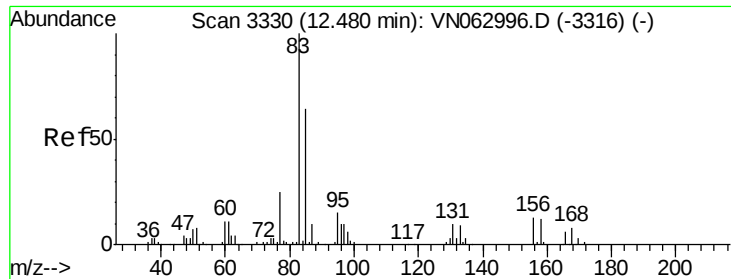
43 100

70 43.8 33.4 50.0

55 26.0 20.2 30.2

61 25.3 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 47.897 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

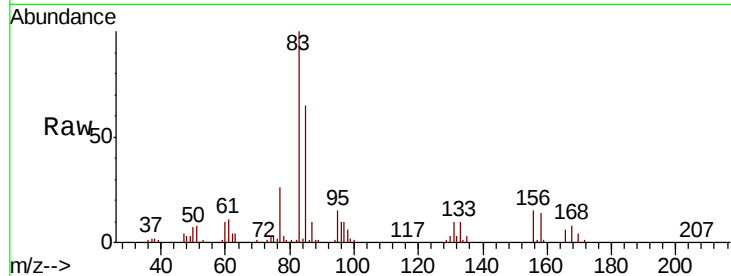
Tot Ion: 83 Resp: 136434

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

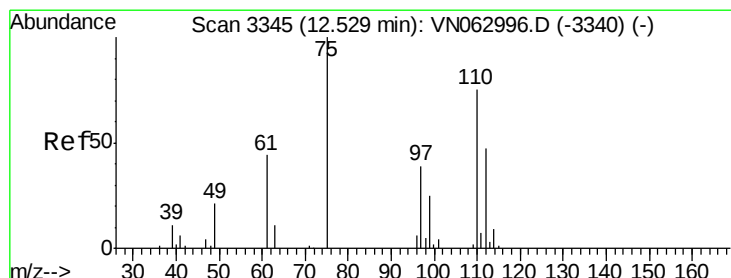
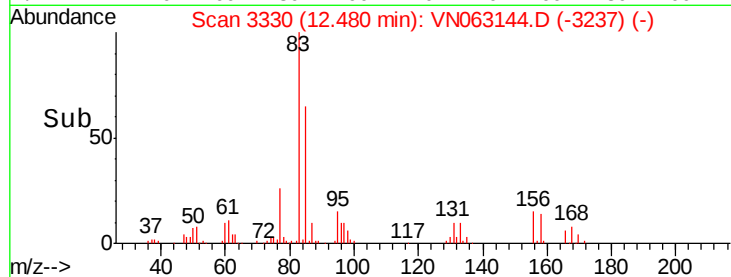
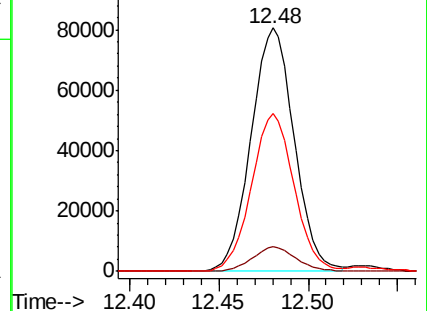
85 64.0 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN063144.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN063144.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN063144.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 70.175 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN063144.D

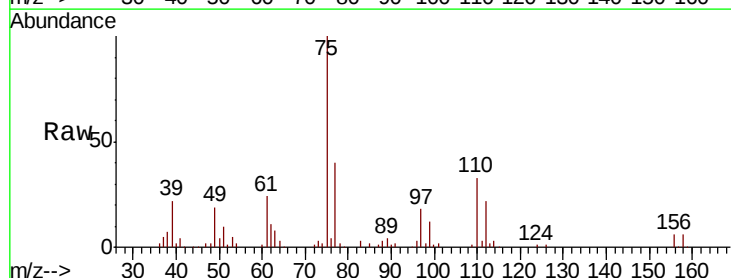
Acq: 26 Aug 2020 19:47

Tgt Ion: 75 Resp: 175571

Ion Ratio Lower Upper

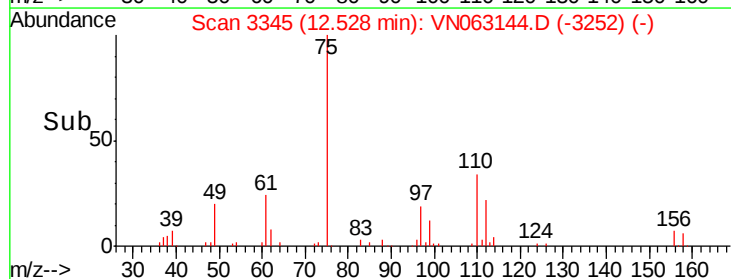
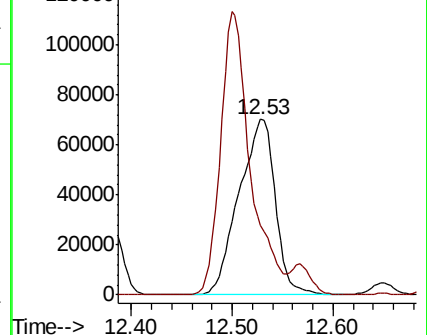
75 100

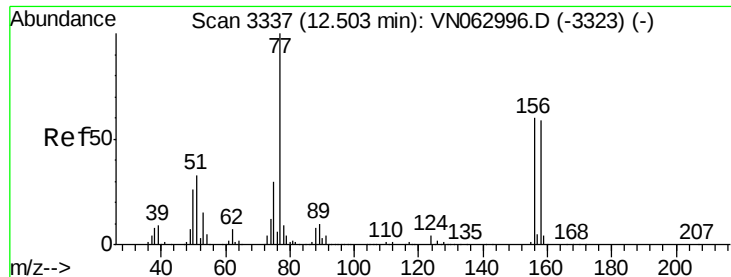
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063144.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN063144.D (-3252) (-)





#77

Bromobenzene

Concen: 48.176 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

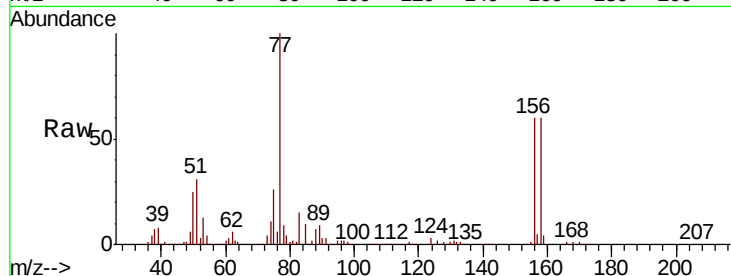
Tot Ion:156 Resp: 116788

Ion Ratio Lower Upper

156 100

77 199.7 101.0 302.9

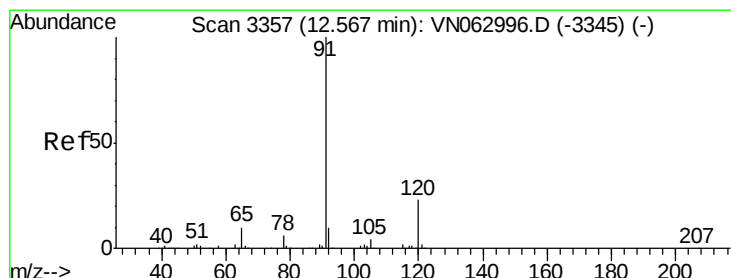
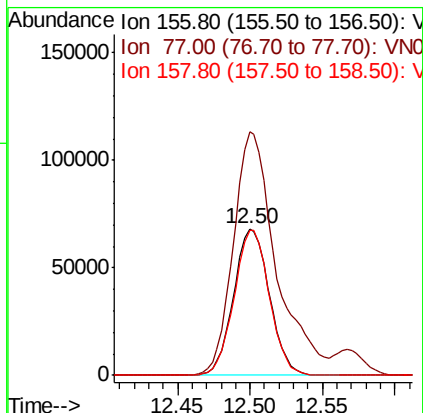
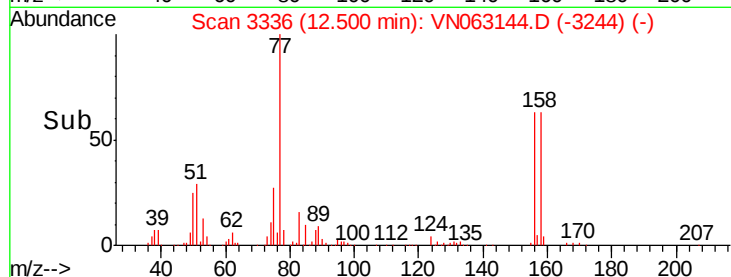
158 97.5 49.4 148.0



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: 47.935 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN063144.D

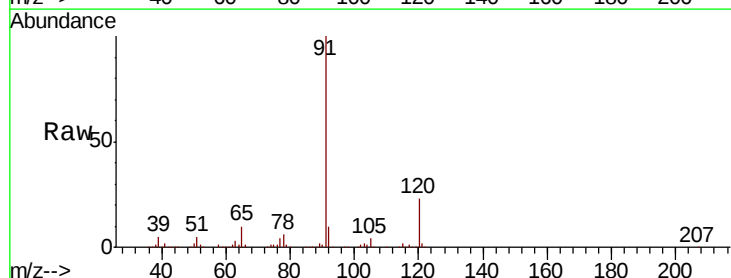
Acq: 26 Aug 2020 19:47

Tgt Ion: 91 Resp: 481593

Ion Ratio Lower Upper

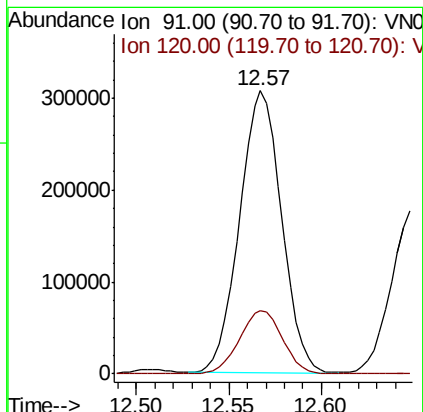
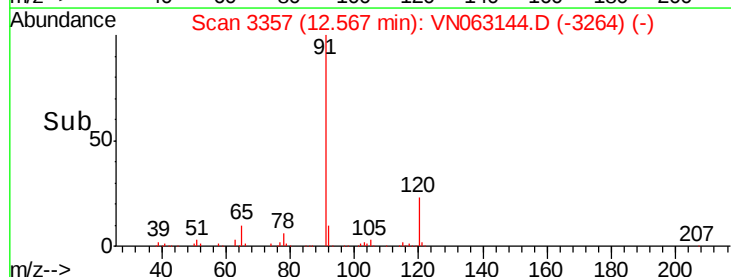
91 100

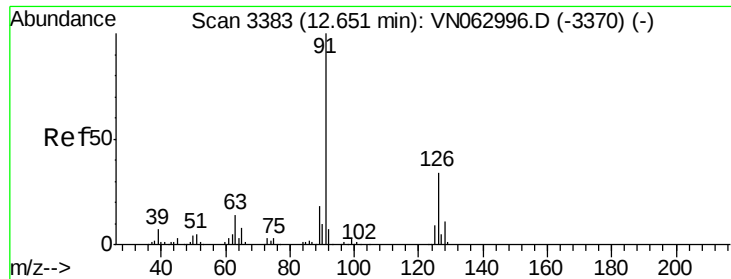
120 22.9 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

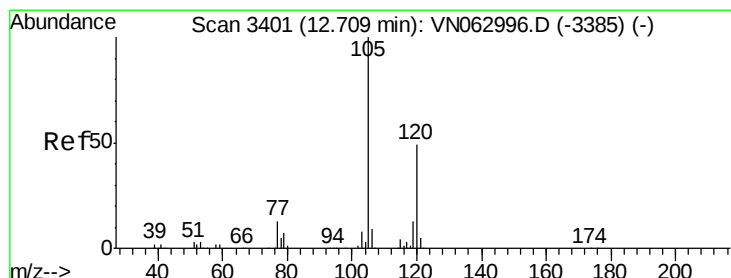
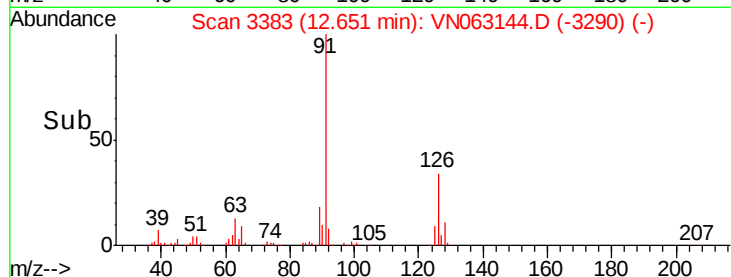
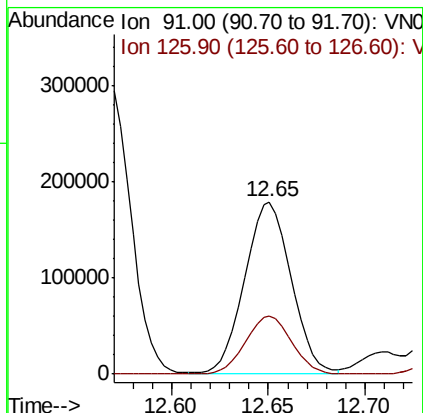
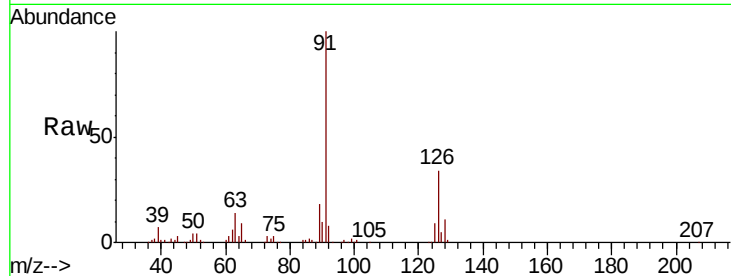




#79
 2-Chlorotoluene
 Concen: 47.069 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. -0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

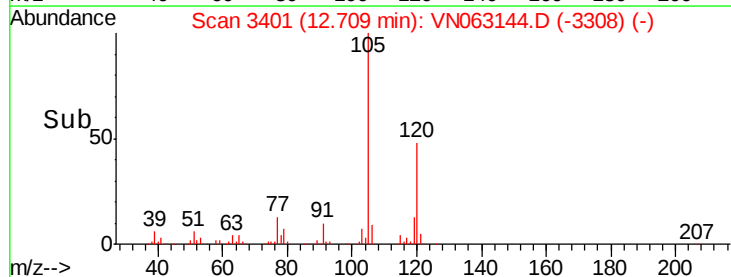
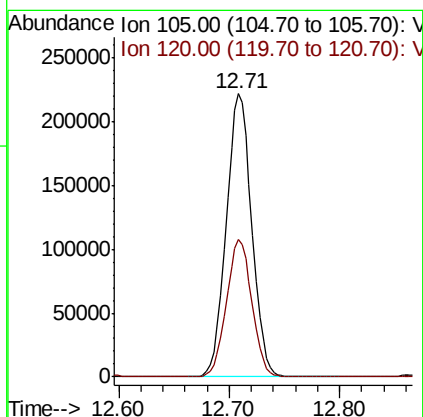
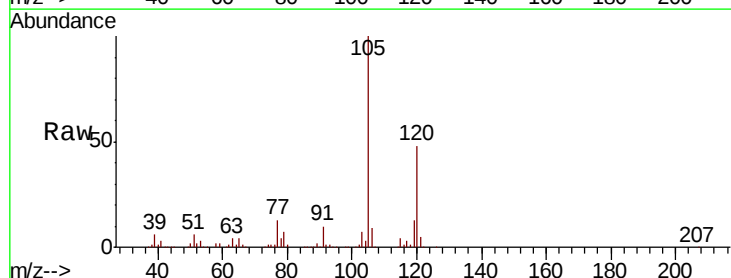
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

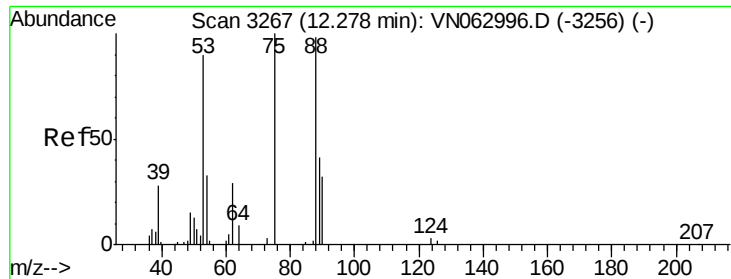
Tot Ion: 91 Resp: 297445
 Ion Ratio Lower Upper
 91 100
 126 33.8 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 48.663 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

Tgt Ion: 105 Resp: 354576
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.711 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

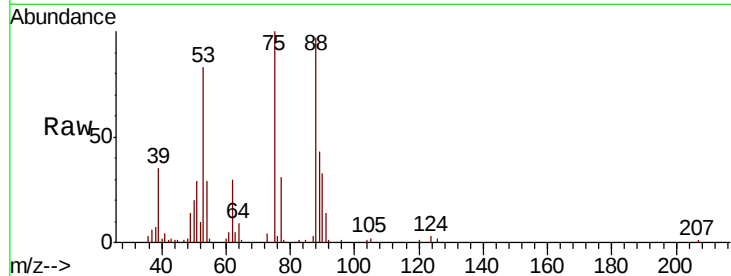
Tot Ion: 75 Resp: 47107

Ion Ratio Lower Upper

75 100

53 83.5 69.2 103.8

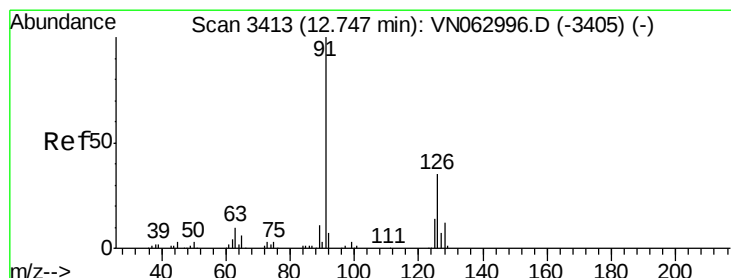
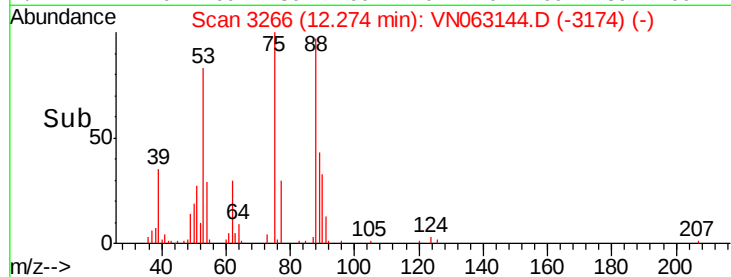
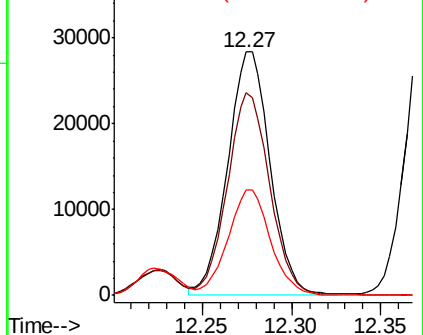
89 43.3 34.2 51.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.982 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN063144.D

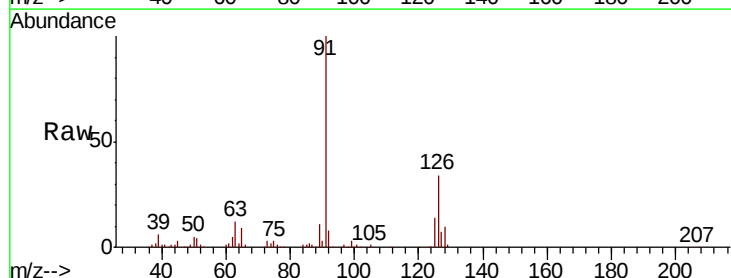
Acq: 26 Aug 2020 19:47

Tgt Ion: 91 Resp: 315185

Ion Ratio Lower Upper

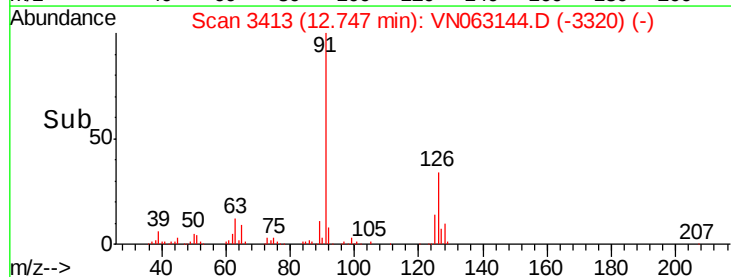
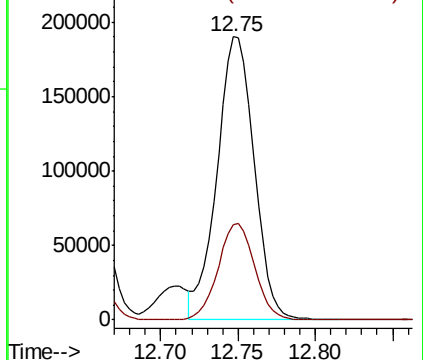
91 100

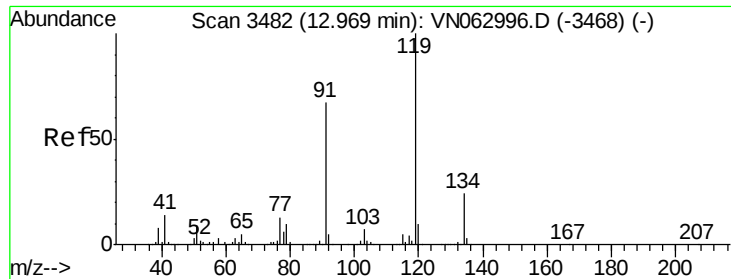
126 33.7 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

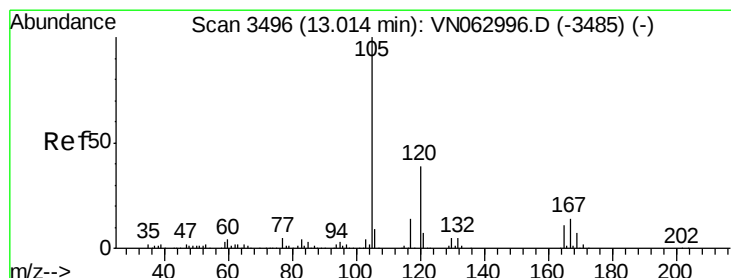
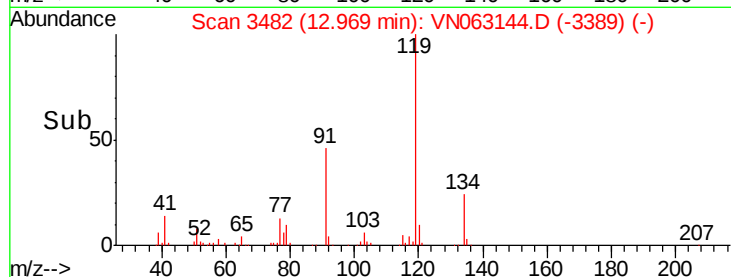
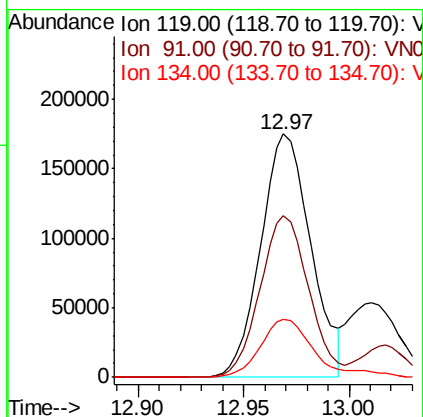
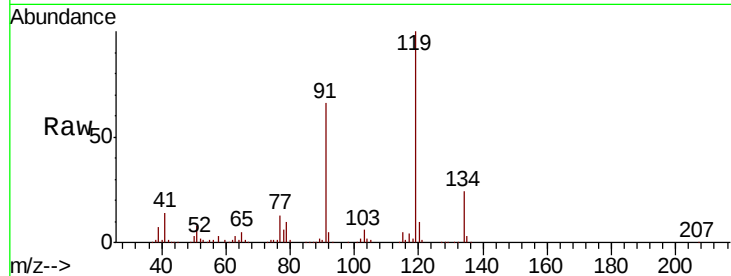




#83
tert-Butylbenzene
Concen: 46.088 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

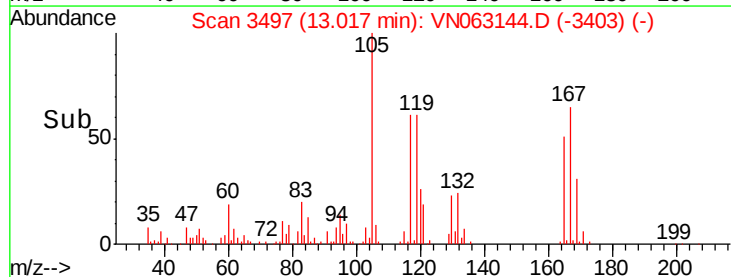
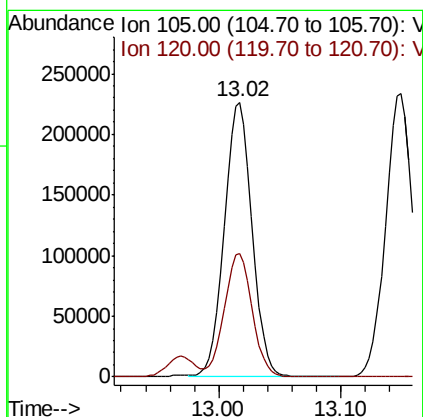
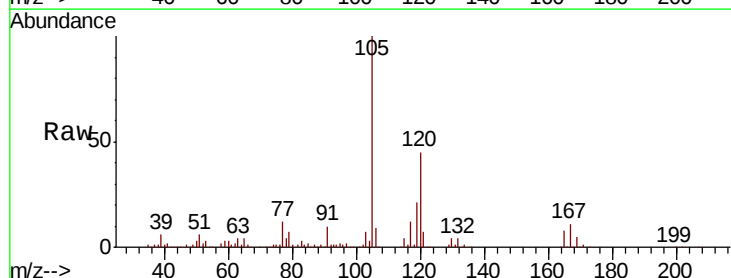
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

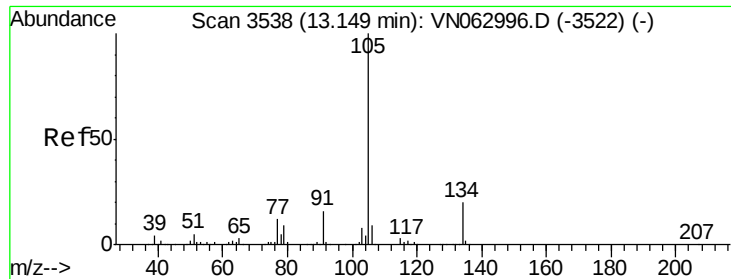
Tot Ion:119 Resp: 289847
Ion Ratio Lower Upper
119 100
91 64.7 32.5 97.4
134 25.8 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 50.680 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

Tgt Ion:105 Resp: 359749
Ion Ratio Lower Upper
105 100
120 45.3 22.5 67.5





#85

sec-Butylbenzene

Concen: 43.341 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

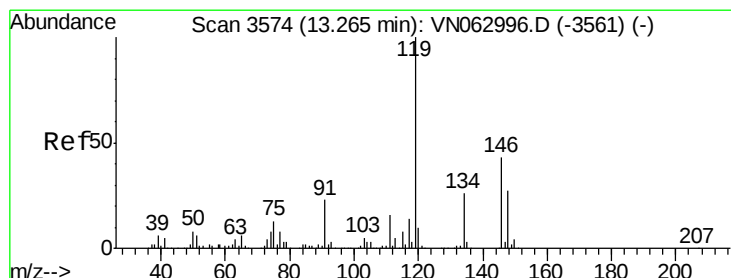
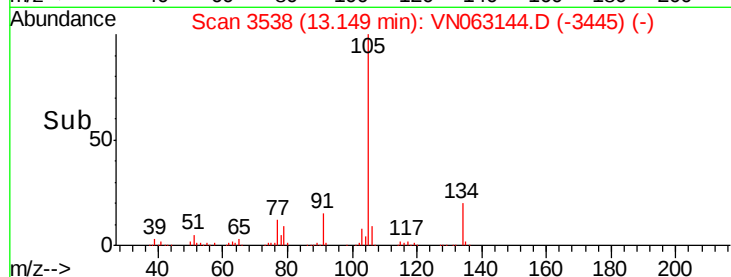
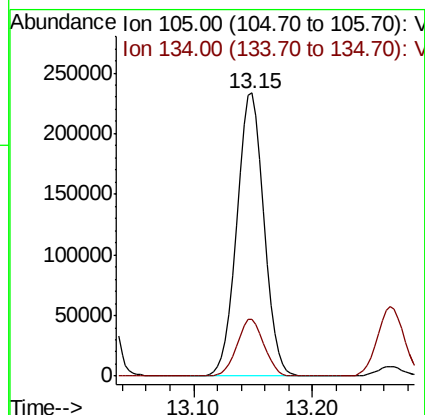
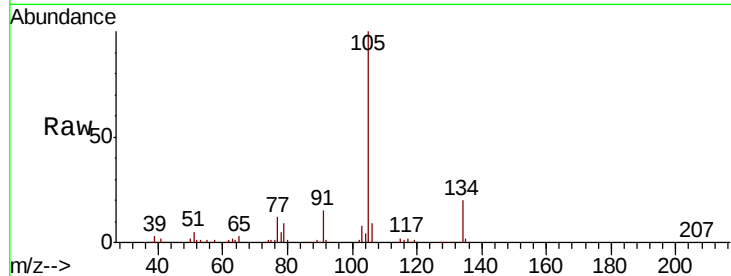
BP-VPB181-GW-498-500MSD

Tot Ion:105 Resp: 368369

Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.4



#86

p-Isopropyltoluene

Concen: 45.448 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

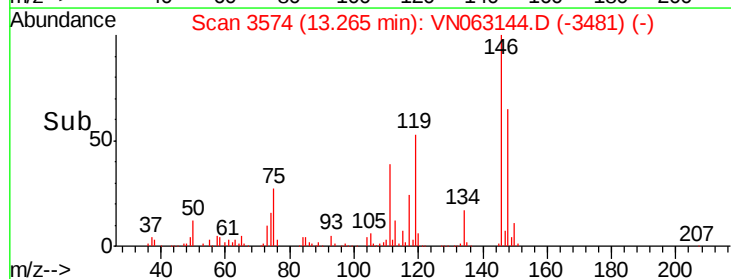
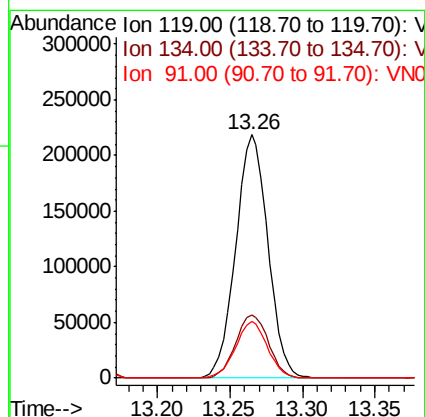
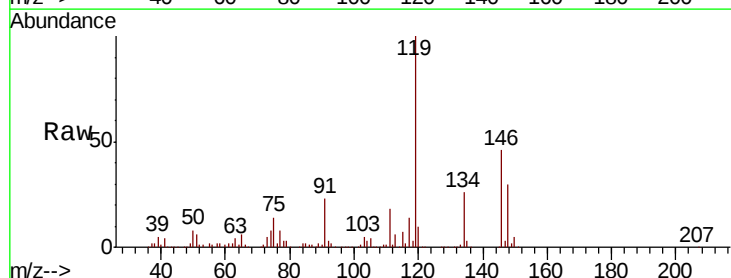
Tgt Ion:119 Resp: 336580

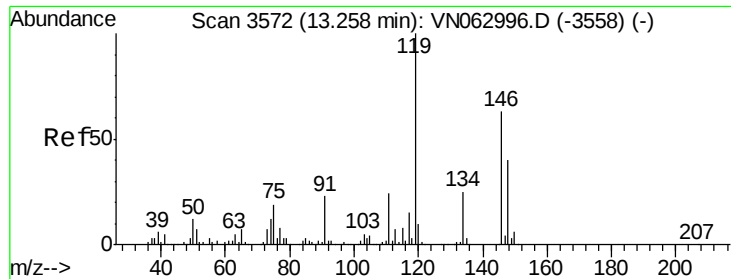
Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

91 23.3 11.5 34.4

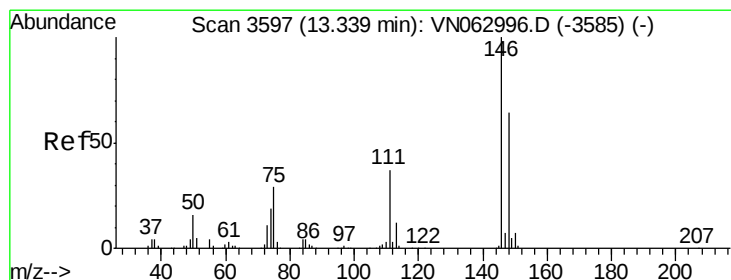
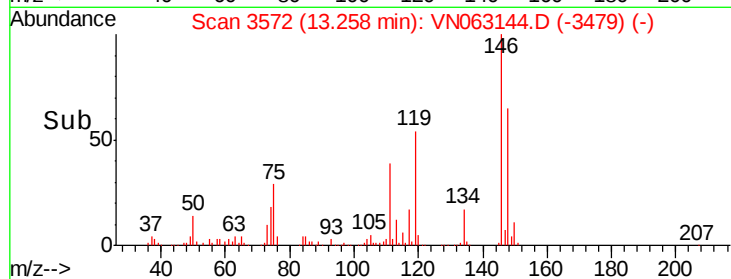
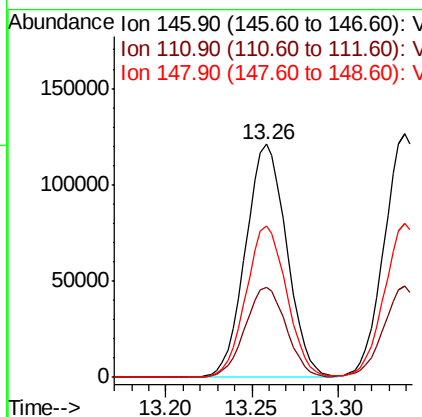
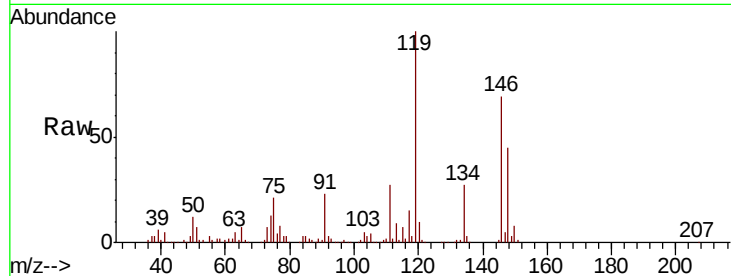




#87
 1,3-Dichlorobenzene
 Concen: 48.236 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

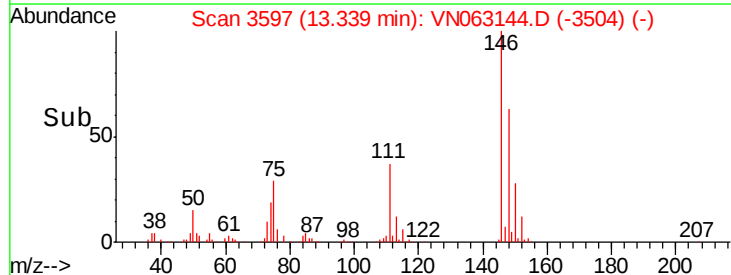
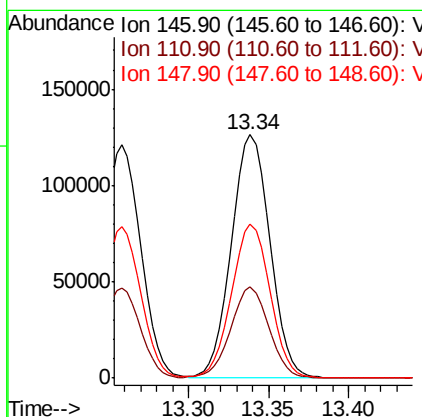
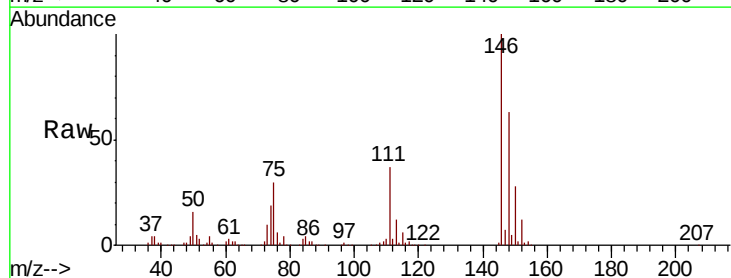
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

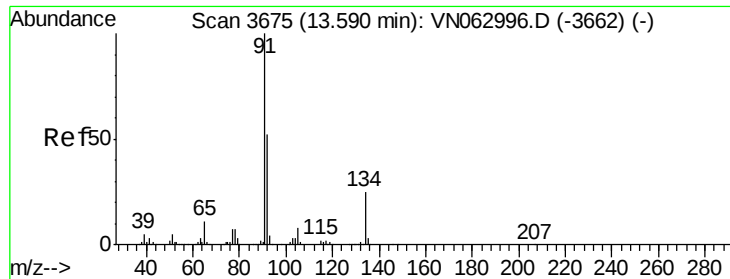
Tot Ion:146 Resp: 200960
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.4 58.1
 148 64.4 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 48.876 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

Tgt Ion:146 Resp: 206674
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.4
 148 63.6 32.4 97.0





#89

n-Butylbenzene

Concen: 39.317 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN063144.D

Acq: 26 Aug 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

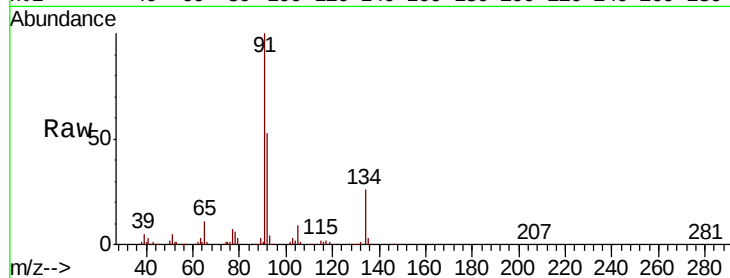
Tot Ion: 91 Resp: 271569

Ion Ratio Lower Upper

91 100

92 51.8 25.9 77.6

134 26.1 12.4 37.0

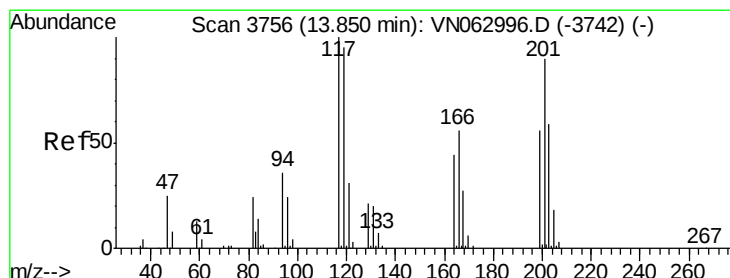
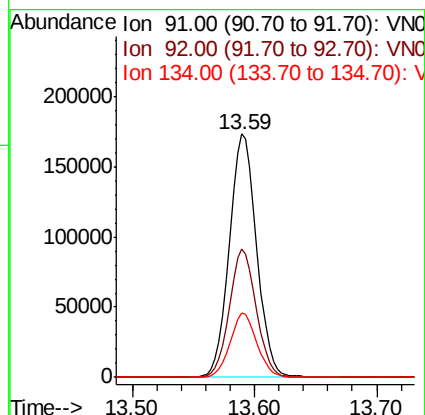
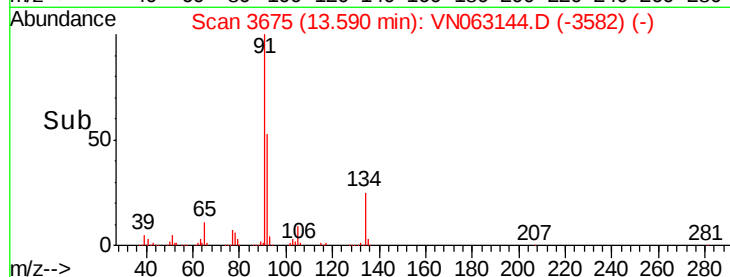


Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3662) (-)

Ion 92.00 (91.70 to 92.70): VN062996.D (-3662) (-)

Ion 134.00 (133.70 to 134.70): VN062996.D (-3662) (-)

Time--> 13.55 13.60 13.70



#90

Hexachloroethane

Concen: 38.759 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN063144.D

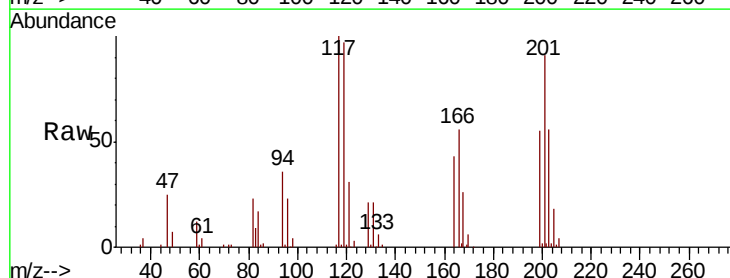
Acq: 26 Aug 2020 19:47

Tgt Ion: 117 Resp: 61009

Ion Ratio Lower Upper

117 100

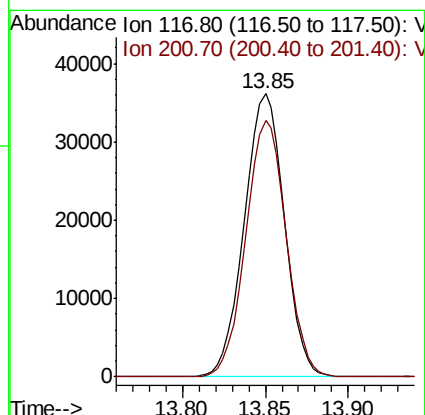
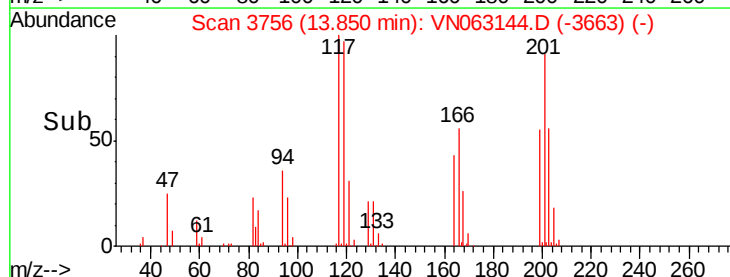
201 90.7 44.1 132.4

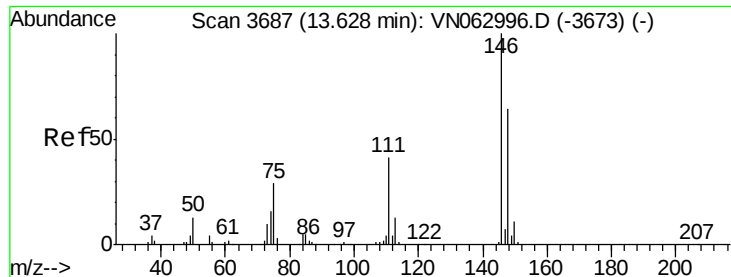


Abundance Ion 116.80 (116.50 to 117.50): VN062996.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN062996.D (-3742) (-)

Time--> 13.80 13.85 13.90

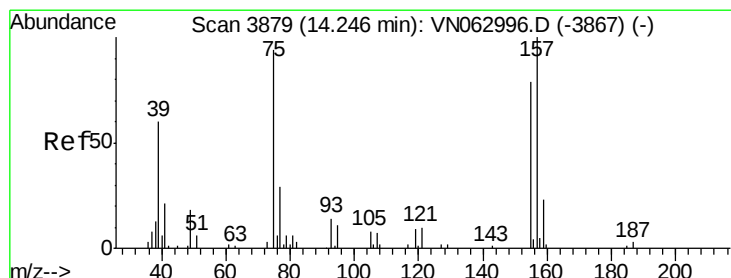
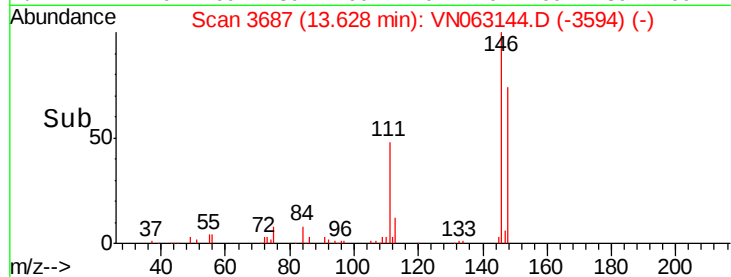
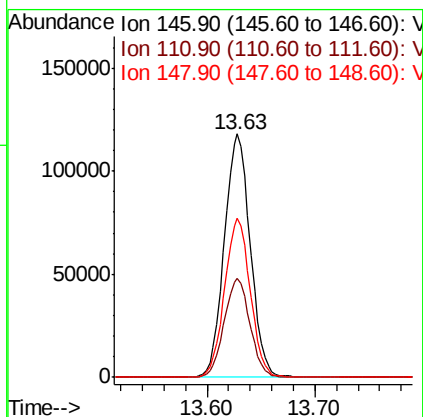
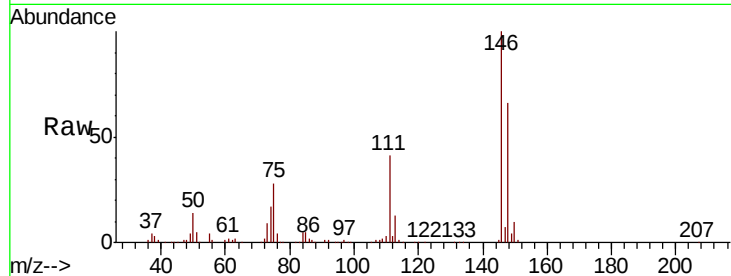




#91
 1,2-Dichlorobenzene
 Concen: 49.226 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

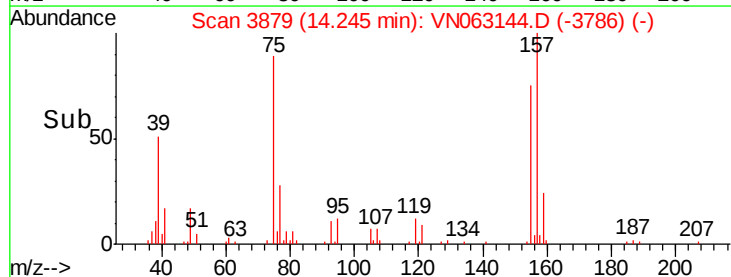
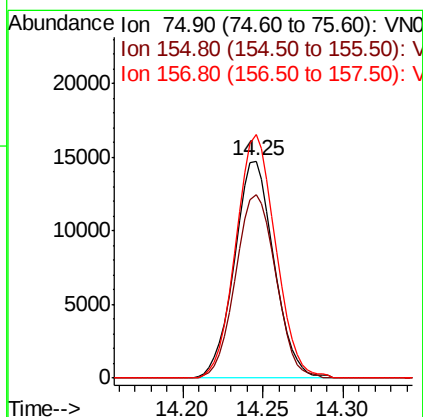
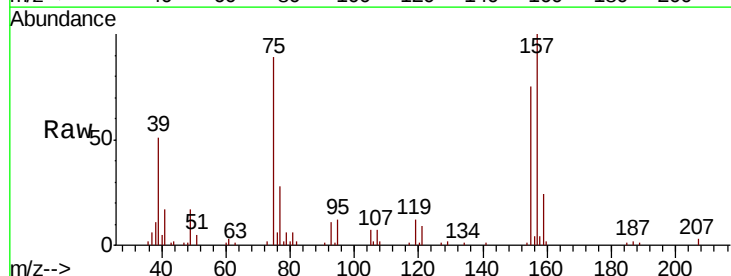
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

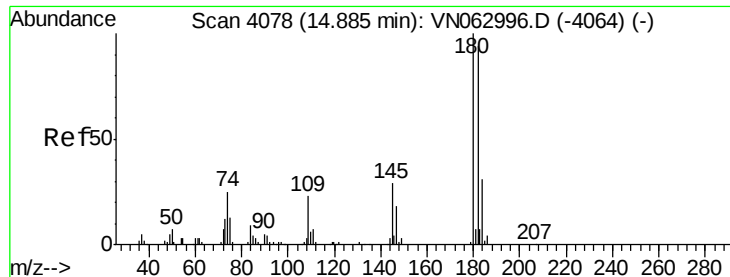
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	64.7	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.928 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	42.4	127.1
157	112.7	55.2	165.6

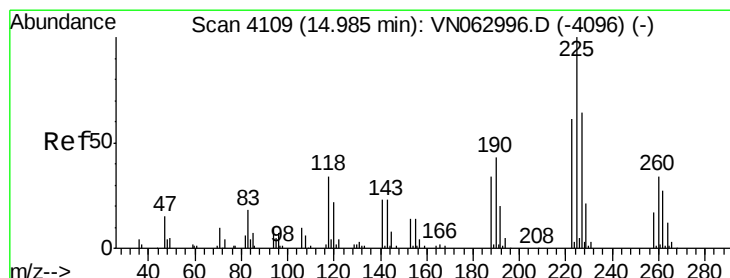
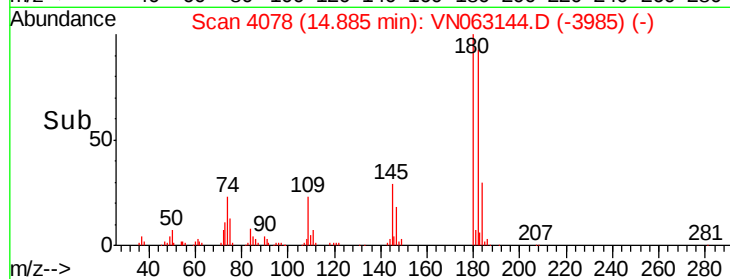
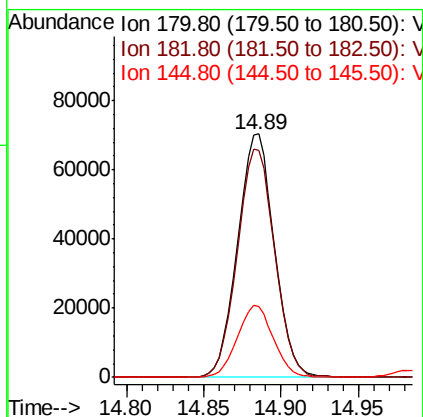
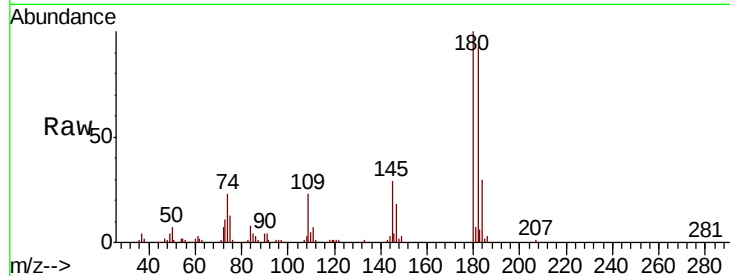




#93
 1,2,4-Trichlorobenzene
 Concen: 51.723 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

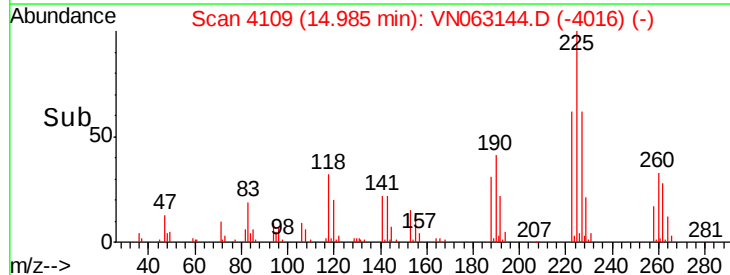
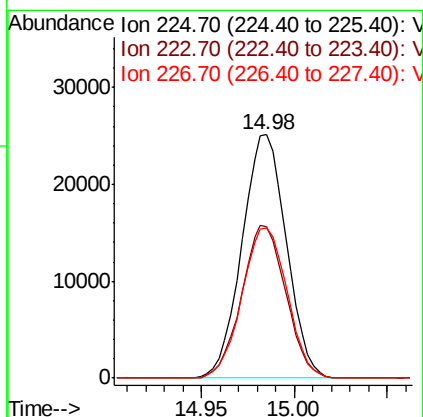
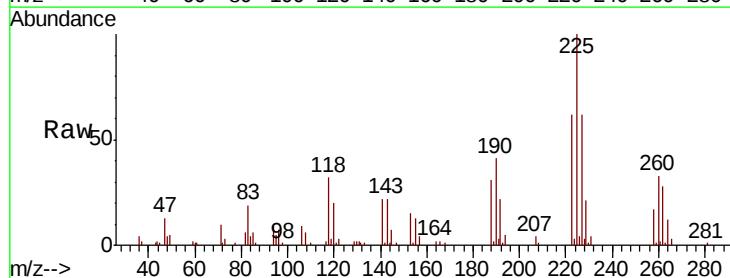
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

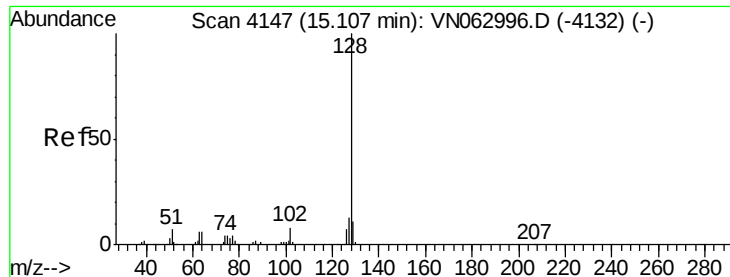
Tot Ion:180 Resp: 115764
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.0 141.2
 145 29.1 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 28.061 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN063144.D
 Acq: 26 Aug 2020 19:47

Tgt Ion:225 Resp: 41730
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.9 92.5
 227 63.0 31.9 95.9

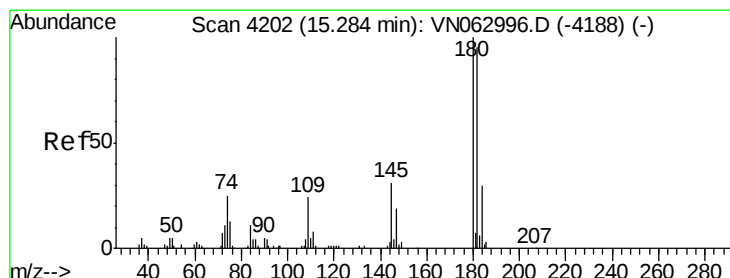
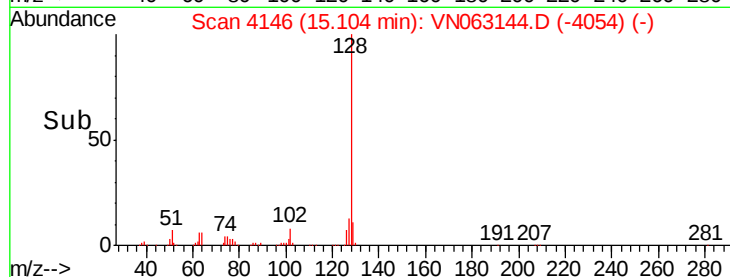
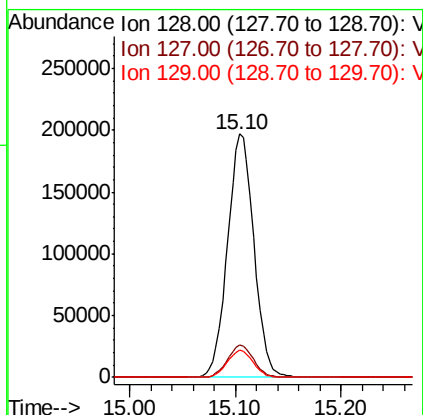
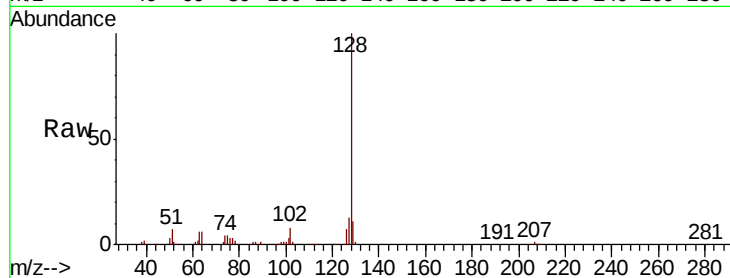




#95
Naphthalene
Concen: 64.554 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

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

Tot Ion:128 Resp: 341032
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 51.912 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN063144.D
Acq: 26 Aug 2020 19:47

Tgt Ion:180 Resp: 113882
Ion Ratio Lower Upper
180 100
182 94.7 47.3 141.9
145 29.7 15.6 46.7

