

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
 Data File : VN063124.D
 Acq On : 25 Aug 2020 20:16
 Operator : JC/MD
 Sample : L3783-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Aug 26 05:44:32 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	204992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	329521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	305210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	152115	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	129189	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
35) Dibromofluoromethane	7.55	113	98753	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	
50) Toluene-d8	10.06	98	413926	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.38	95	152624	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	105768	39.551	ug/l	99
3) Chloromethane	2.03	50	143070	50.902	ug/l	100
4) Vinyl Chloride	2.16	62	137127	50.448	ug/l	98
5) Bromomethane	2.54	94	56176	34.819	ug/l	99
6) Chloroethane	2.67	64	82963	51.695	ug/l	99
7) Trichlorofluoromethane	2.99	101	137811	40.655	ug/l	98
8) Diethyl Ether	3.38	74	62092	51.778	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	72039	39.439	ug/l	100
10) Methyl Iodide	3.91	142	86625	37.415	ug/l	99
11) Tert butyl alcohol	4.74	59	84431	245.344	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	87002	50.000	ug/l	97
13) Acrolein	3.57	56	3072	28.495	ug/l	88
14) Allyl chloride	4.28	41	126142	41.115	ug/l	96
15) Acrylonitrile	4.93	53	265676	262.662	ug/l	99
16) Acetone	3.78	43	225277	298.102	ug/l	99
17) Carbon Disulfide	4.01	76	192610	42.267	ug/l	97
18) Methyl Acetate	4.28	43	257516	106.658	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	341527	56.280	ug/l	99
20) Methylene Chloride	4.51	84	107661	50.269	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	89118	48.939	ug/l	97
22) Diisopropyl ether	5.91	45	379414	54.497	ug/l	97
23) Vinyl Acetate	5.85	43	1070080	227.767	ug/l	100
24) 1,1-Dichloroethane	5.80	63	197287	50.710	ug/l	99
25) 2-Butanone	6.79	43	331291	256.845	ug/l	99
26) 2,2-Dichloropropane	6.78	77	123513	40.368	ug/l	99
27) cis-1,2-Dichloroethene	6.79	96	115539	50.621	ug/l	97
28) Bromochloromethane	7.15	49	103386	50.788	ug/l	98
29) Tetrahydrofuran	7.17	42	216551	260.132	ug/l	99
30) Chloroform	7.33	83	195398	49.869	ug/l	98
31) Cyclohexane	7.62	56	148951	41.597	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	156174	48.822	ug/l	99
36) 1,1-Dichloropropene	7.75	75	129173	44.482	ug/l	99
37) Ethyl Acetate	6.88	43	116862	42.948	ug/l	99
38) Carbon Tetrachloride	7.74	117	113655	38.767	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	131518	34.060	ug/l	99
40) Benzene	8.00	78	423970	46.033	ug/l	100
41) Methacrylonitrile	7.13	41	64293	49.593	ug/l #	94
42) 1,2-Dichloroethane	8.09	62	144471	46.716	ug/l	99
43) Isopropyl Acetate	8.13	43	212993	47.249	ug/l	99
44) Trichloroethene	8.80	130	129532	56.540	ug/l	96
45) 1,2-Dichloropropane	9.09	63	125355	47.086	ug/l	98
46) Dibromomethane	9.18	93	72838	47.359	ug/l	98
47) Bromodichloromethane	9.37	83	156238	46.381	ug/l	99
48) Methyl methacrylate	9.17	41	112615	52.799	ug/l	95
49) 1,4-Dioxane	9.17	88	37551	803.118	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	715023	250.941	ug/l	100
52) Toluene	10.13	92	265059	47.707	ug/l	100
53) t-1,3-Dichloropropene	10.36	75	166359	47.756	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	179371	46.939	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	115199	48.492	ug/l	99
56) Ethyl methacrylate	10.40	69	174321	47.597	ug/l	100
57) 1,3-Dichloropropane	10.68	76	190573	48.309	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.81	63	861	13.118	ug/l #	49
59) 2-Hexanone	10.72	43	511823	257.521	ug/l	100
60) Dibromochloromethane	10.88	129	118161	44.944	ug/l	99
61) 1,2-Dibromoethane	10.98	107	111104	48.673	ug/l	100
64) Tetrachloroethene	10.61	164	153266	76.393	ug/l	98
65) Chlorobenzene	11.41	112	292752	47.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	100034	41.957	ug/l	99
67) Ethyl Benzene	11.49	91	518332	50.044	ug/l	100
68) m/p-Xylenes	11.60	106	387890	100.763	ug/l	99
69) o-Xylene	11.92	106	189689	51.314	ug/l	99
70) Styrene	11.94	104	315687	43.302	ug/l	99
71) Bromoform	12.10	173	71237	37.538	ug/l #	99
73) Isopropylbenzene	12.23	105	503640	48.349	ug/l	99
74) N-amyl acetate	12.05	43	203381	54.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	143247	42.358	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	208072	70.371	ug/l #	100
77) Bromobenzene	12.50	156	138994	48.516	ug/l	99
78) n-propylbenzene	12.57	91	581948	49.013	ug/l	99
79) 2-Chlorotoluene	12.65	91	354793	47.507	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	428930	49.811	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	49317	45.809	ug/l	99
82) 4-Chlorotoluene	12.75	91	371574	48.862	ug/l	99
83) tert-Butylbenzene	12.97	119	361534	48.644	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	443357	52.850	ug/l	100
85) sec-Butylbenzene	13.15	105	466876	46.480	ug/l	99
86) p-Isopropyltoluene	13.26	119	430228	49.157	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	240070	48.759	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	242959	48.617	ug/l	99
89) n-Butylbenzene	13.59	91	370422	44.951	ug/l	99
90) Hexachloroethane	13.85	117	34097	18.329	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	232019	48.784	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	29285	55.822	ug/l	98

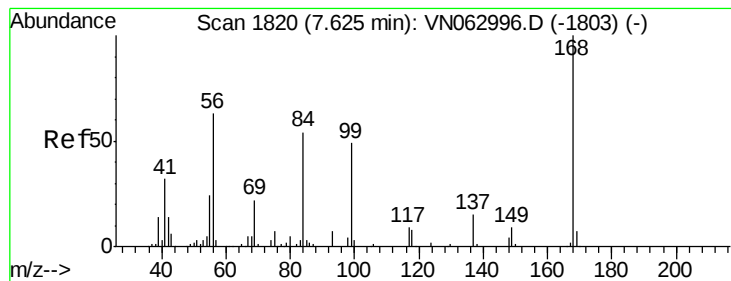
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	136126	51.486	ug/l	99
94) Hexachlorobutadiene	14.99	225	48863	27.803	ug/l	98
95) Naphthalene	15.10	128	408202	65.310	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	134377	51.838	ug/l	100

(#) = 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: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

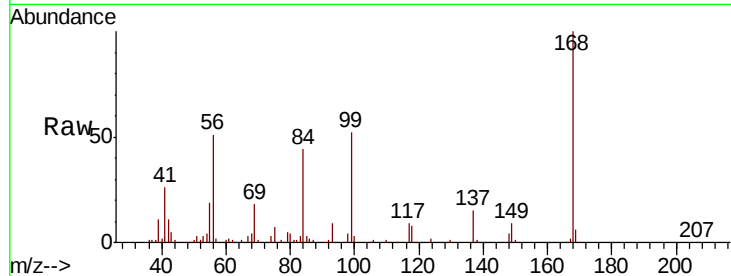
BP-VPB181-GW-498-500MSD

Tot Ion:168 Resp: 204992

Ion Ratio Lower Upper

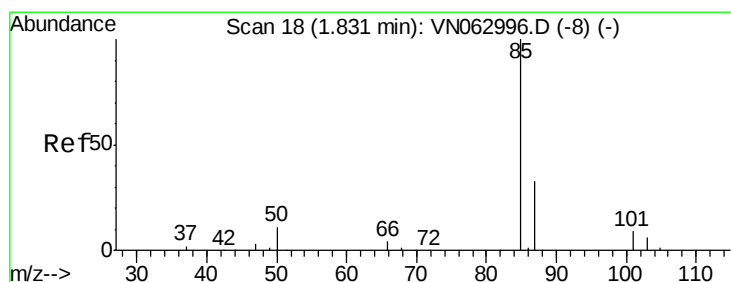
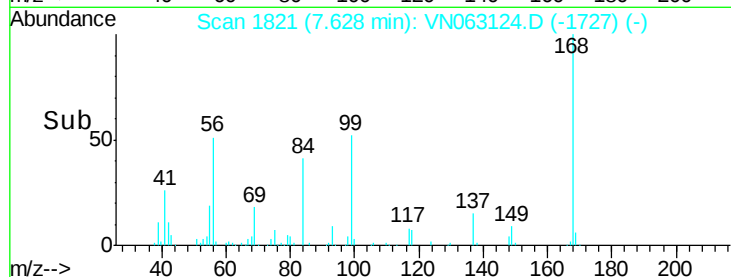
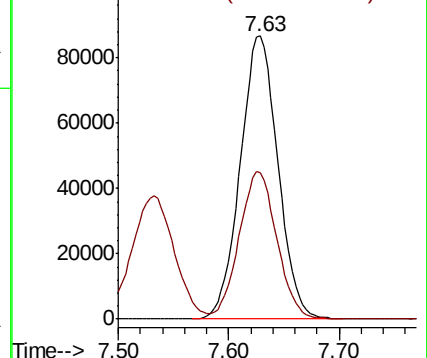
168 100

99 51.5 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: 39.551 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063124.D

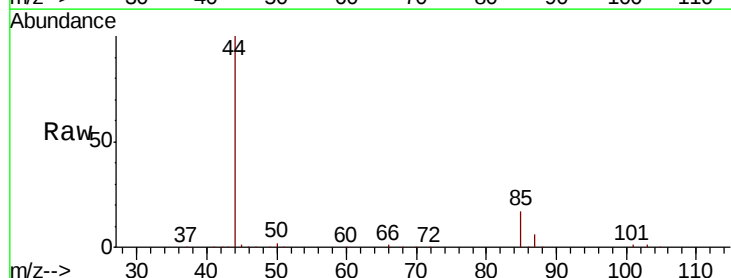
Acq: 25 Aug 2020 20:16

Tgt Ion: 85 Resp: 105768

Ion Ratio Lower Upper

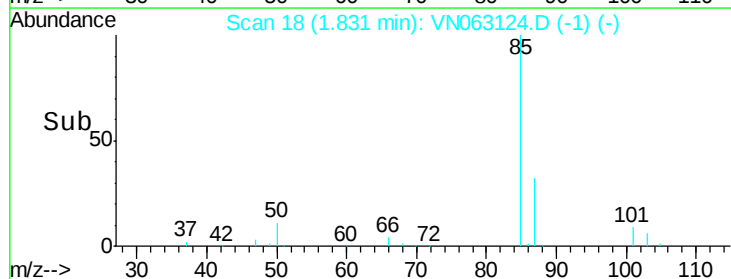
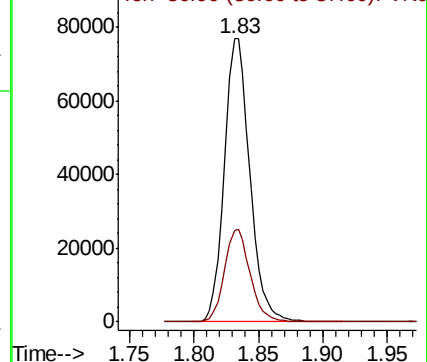
85 100

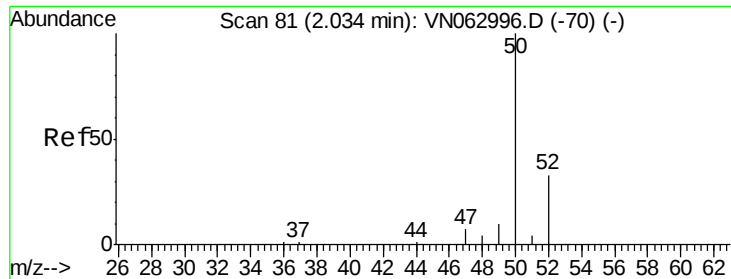
87 32.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

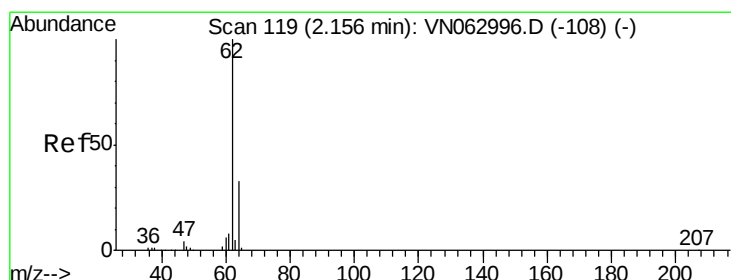
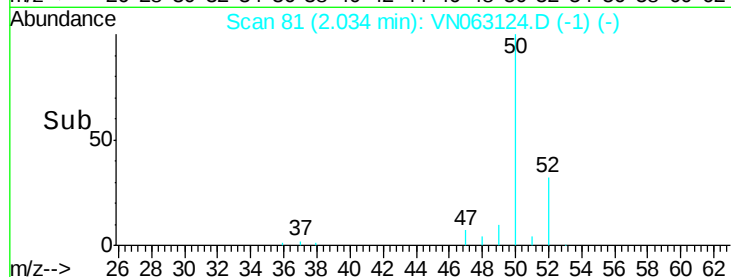
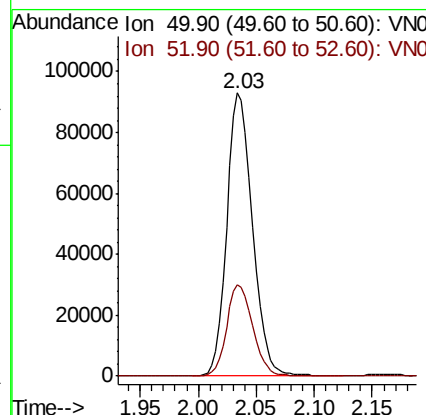
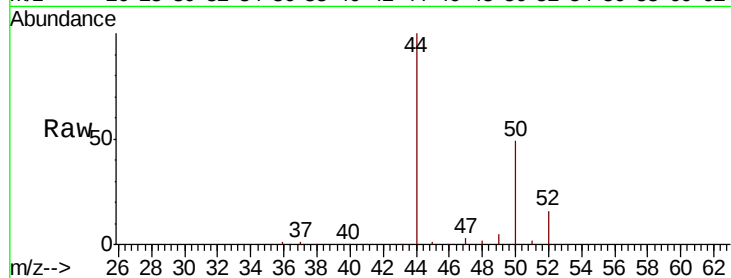




#3
 Chloromethane
 Concen: 50.902 ug/l
 RT: 2.03 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

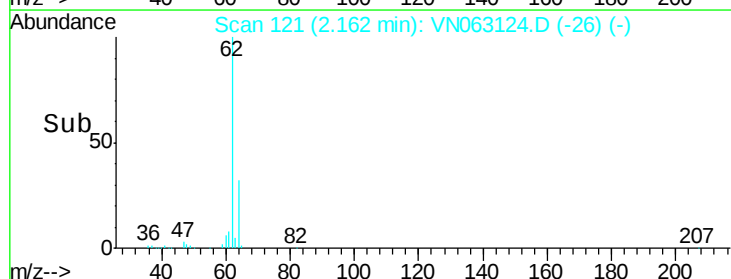
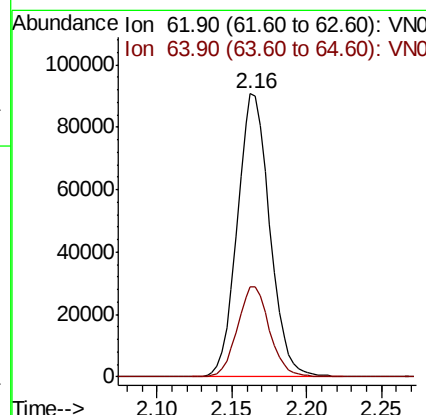
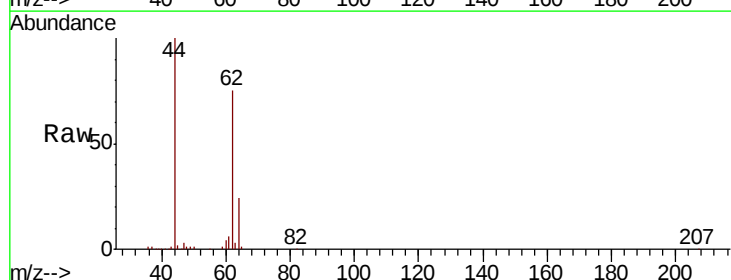
Instrument :
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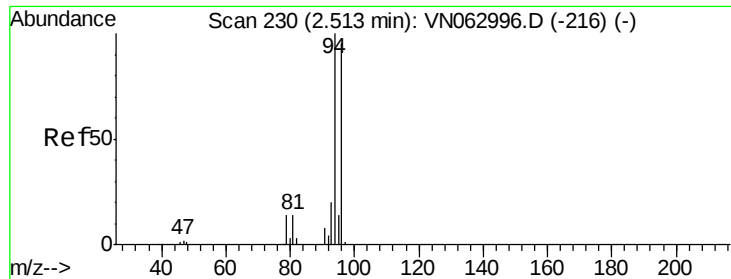
Tot Ion: 50 Resp: 143070
 Ion Ratio Lower Upper
 50 100
 52 32.4 26.0 39.0



#4
 Vinyl Chloride
 Concen: 50.448 ug/l
 RT: 2.16 min Scan# 121
 Delta R.T. 0.01 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion: 62 Resp: 137127
 Ion Ratio Lower Upper
 62 100
 64 31.7 26.2 39.2





#5

Bromomethane

Concen: 34.819 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.03 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

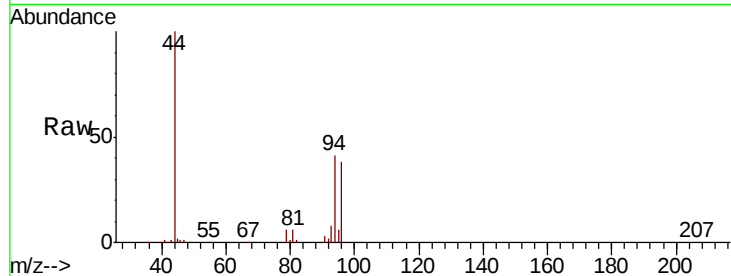
BP-VPB181-GW-498-500MSD

Tot Ion: 94 Resp: 56176

Ion Ratio Lower Upper

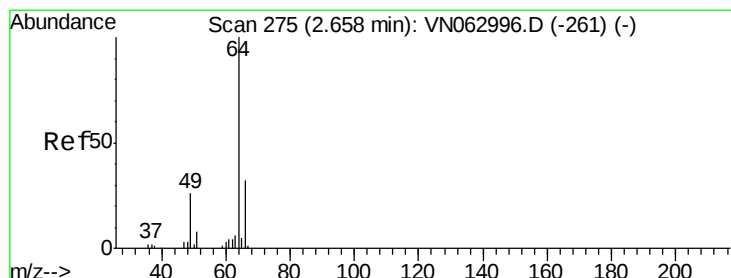
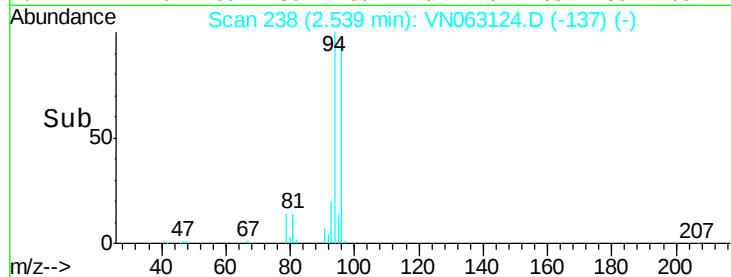
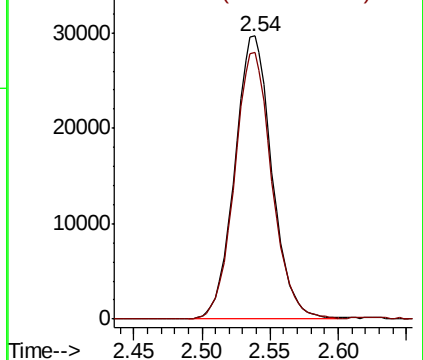
94 100

96 94.3 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 51.695 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.02 min

Lab File: VN063124.D

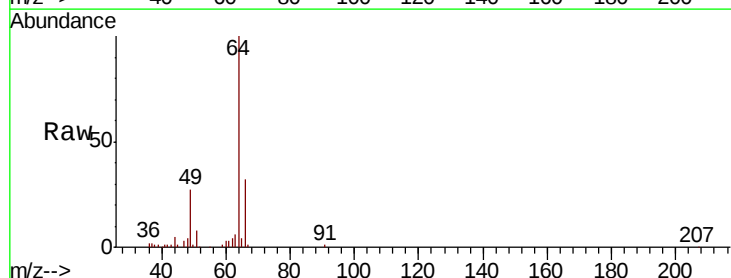
Acq: 25 Aug 2020 20:16

Tgt Ion: 64 Resp: 82963

Ion Ratio Lower Upper

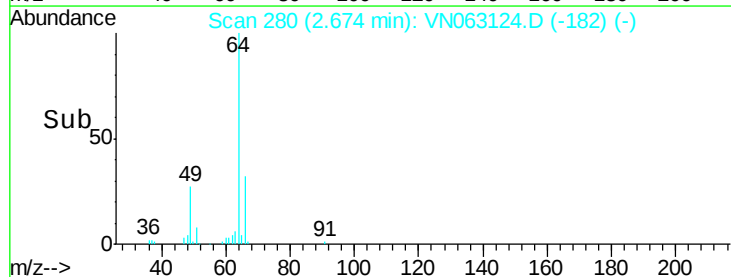
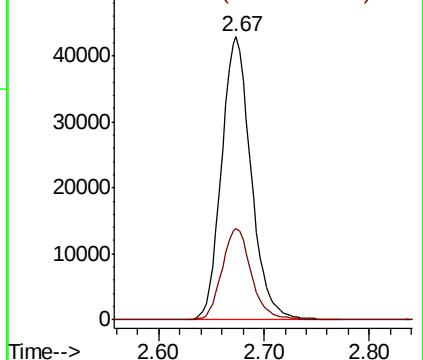
64 100

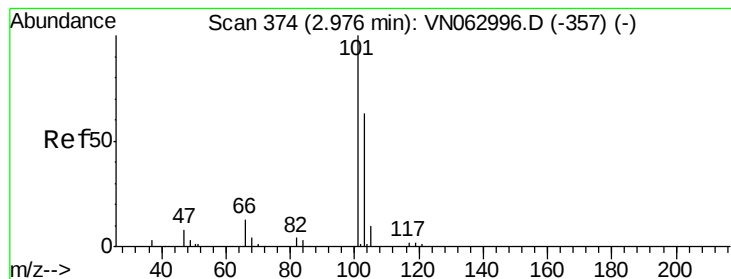
66 32.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



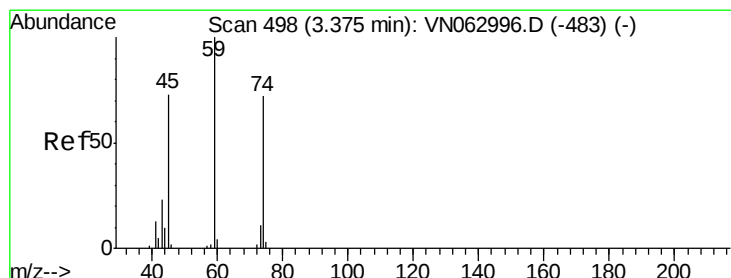
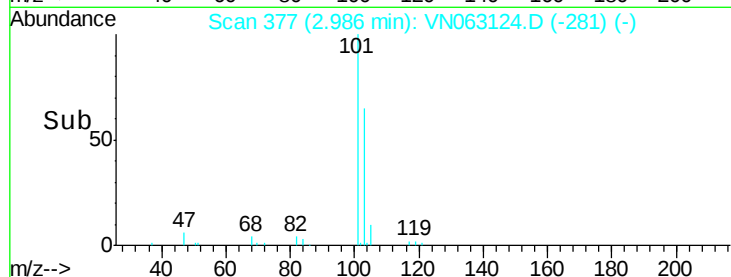
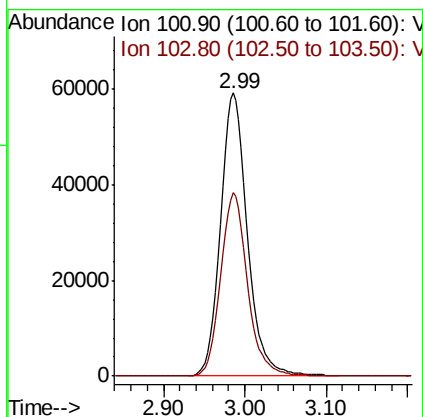
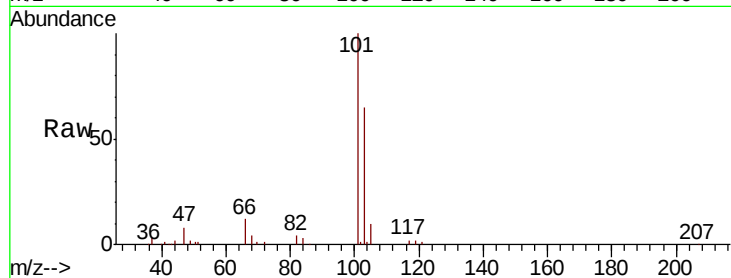


#7

Trichlorofluoromethane
 Concen: 40.655 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. 0.01 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Instrument :
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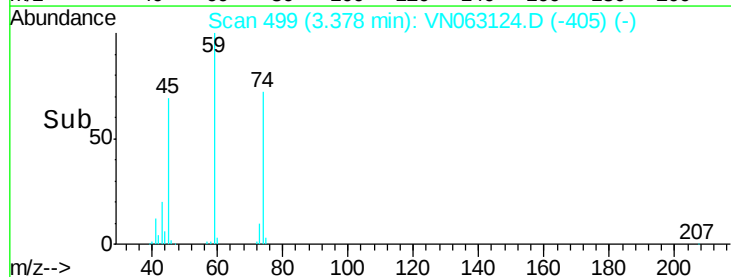
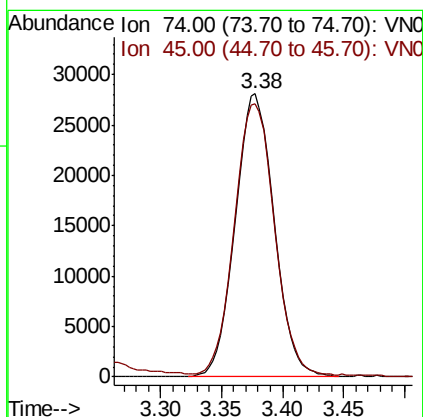
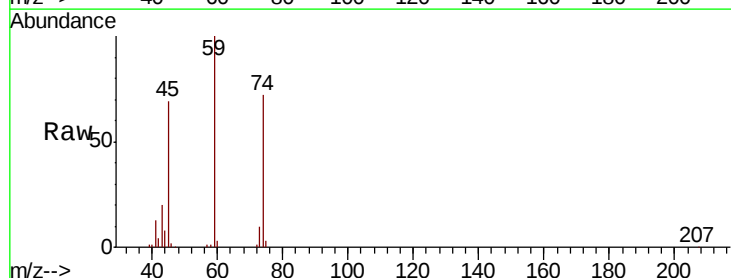
Tot Ion:101 Resp: 137811
 Ion Ratio Lower Upper
 101 100
 103 64.6 50.5 75.7

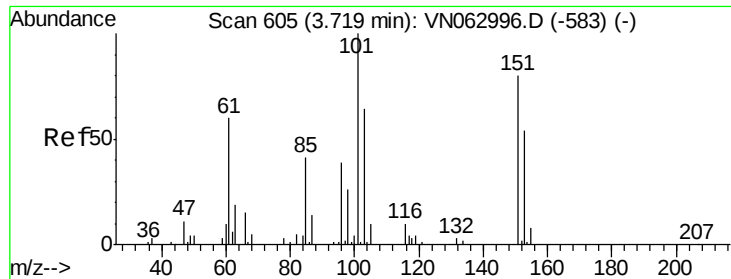


#8

Diethyl Ether
 Concen: 51.778 ug/l
 RT: 3.38 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion: 74 Resp: 62092
 Ion Ratio Lower Upper
 74 100
 45 98.5 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 39.439 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

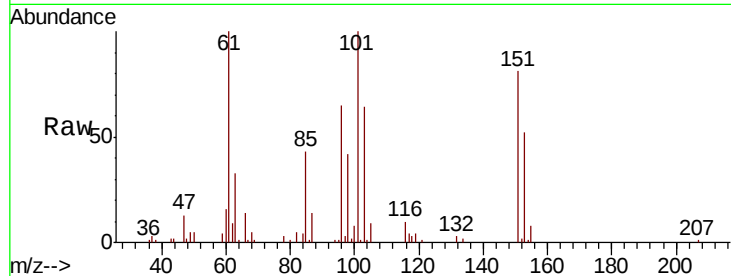
Tot Ion:101 Resp: 72039

Ion Ratio Lower Upper

101 100

85 43.1 34.0 51.0

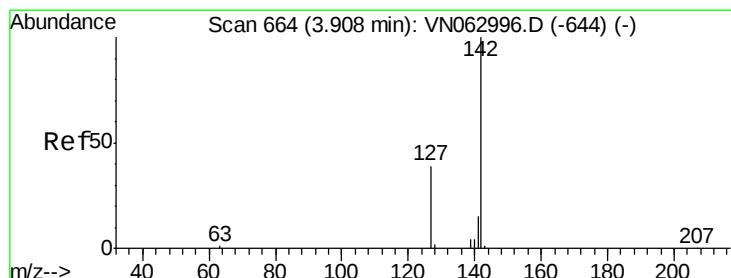
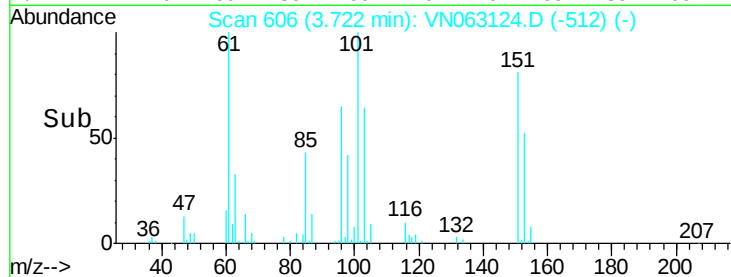
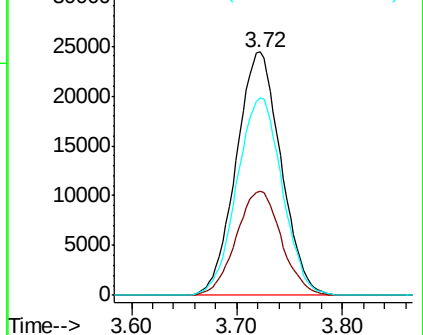
151 82.2 65.8 98.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 37.415 ug/l

RT: 3.91 min Scan# 666

Delta R.T. 0.01 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

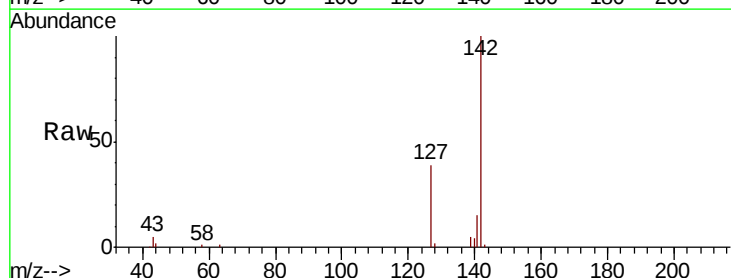
Tgt Ion:142 Resp: 86625

Ion Ratio Lower Upper

142 100

127 40.1 32.2 48.4

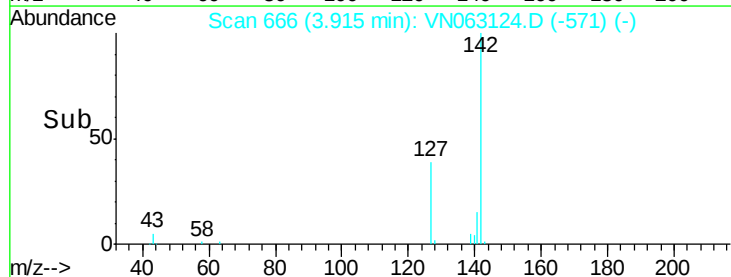
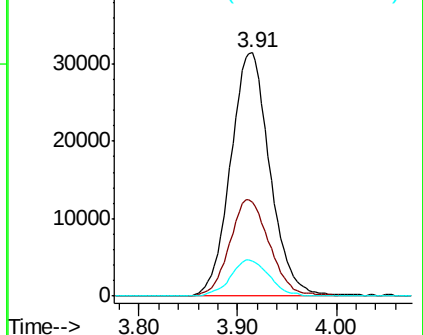
141 14.5 11.3 16.9

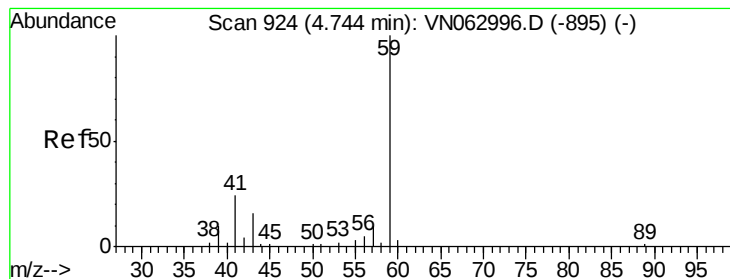


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



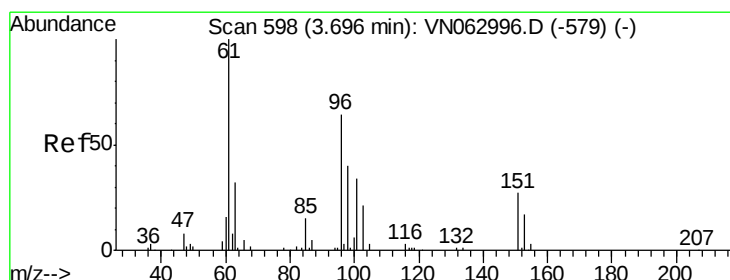
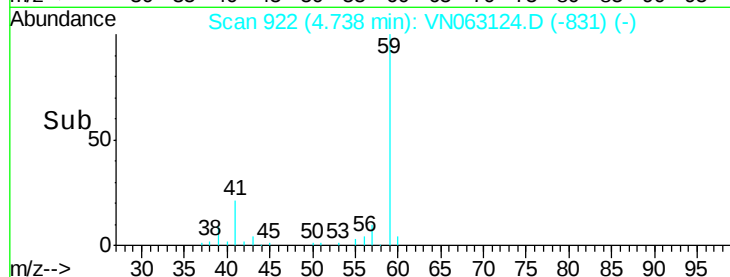
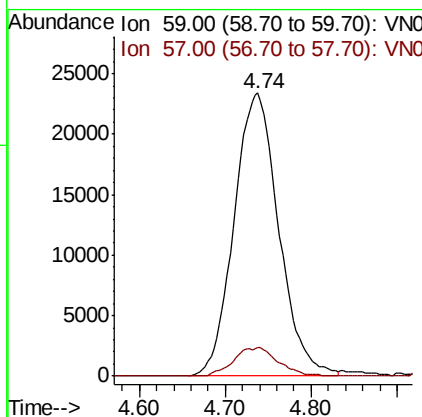
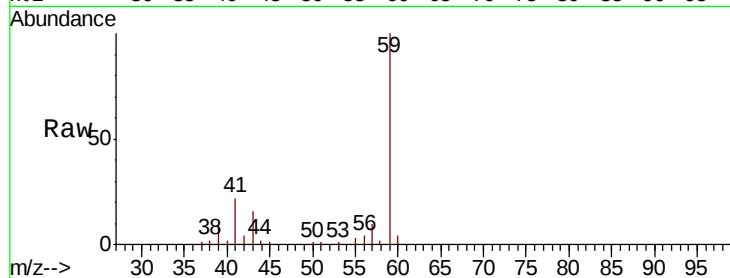


#11

Tert butyl alcohol
 Concen: 245.344 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

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

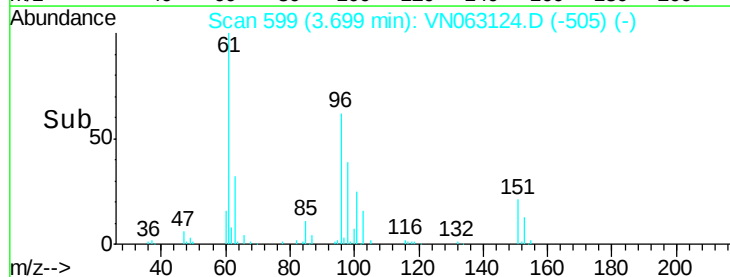
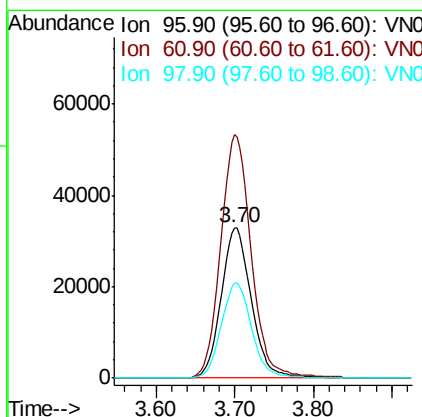
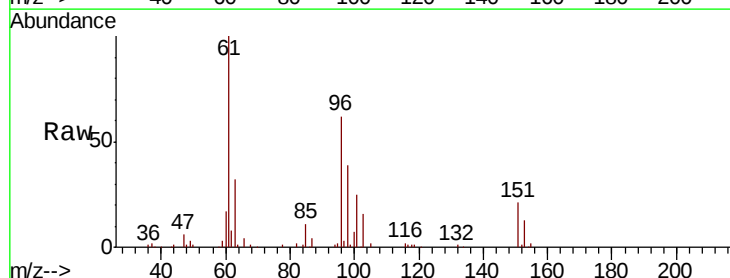
Tot Ion: 59 Resp: 84431
 Ion Ratio Lower Upper
 59 100
 57 4.5 7.8 11.6#

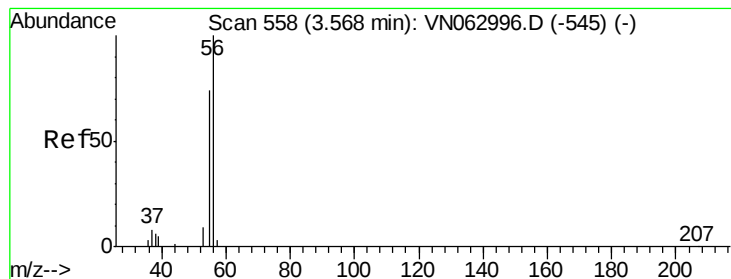


#12

1,1-Dichloroethene
 Concen: 50.000 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion: 96 Resp: 87002
 Ion Ratio Lower Upper
 96 100
 61 161.4 125.5 188.3
 98 62.7 50.4 75.6





#13

Acrolein

Concen: 28.495 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.01 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

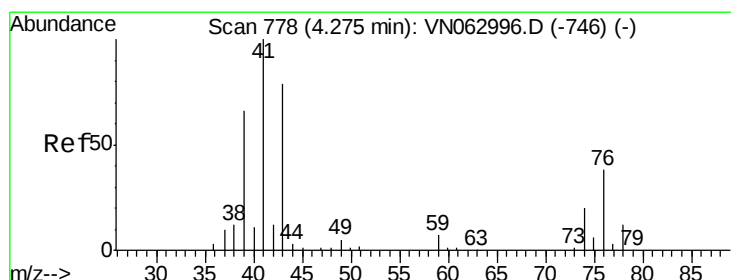
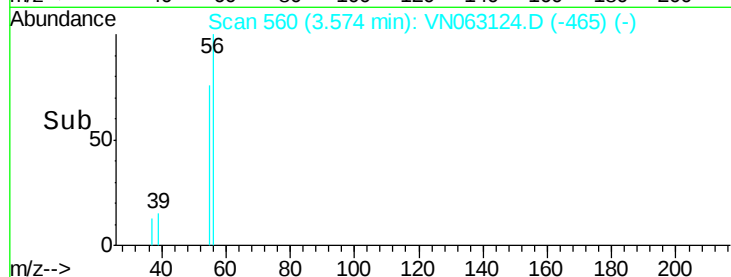
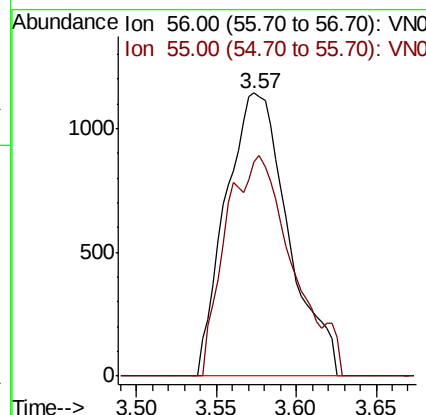
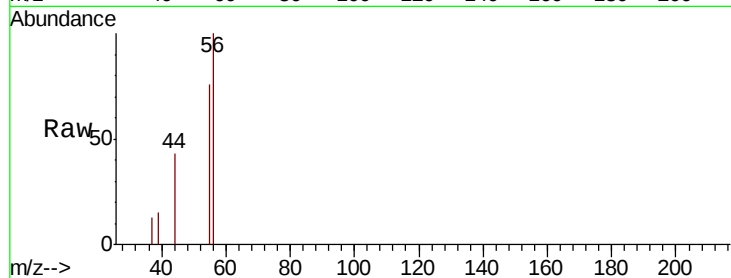
BP-VPB181-GW-498-500MSD

Tot Ion: 56 Resp: 3072

Ion Ratio Lower Upper

56 100

55 83.2 58.4 87.6



#14

Allyl chloride

Concen: 41.115 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

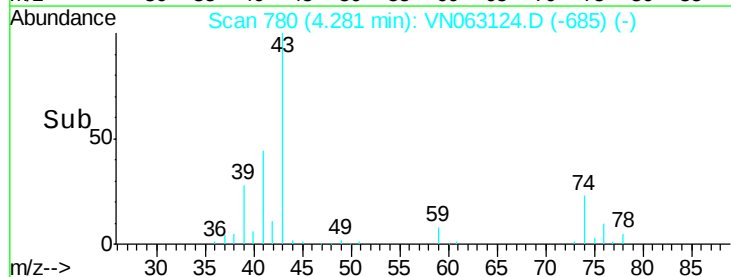
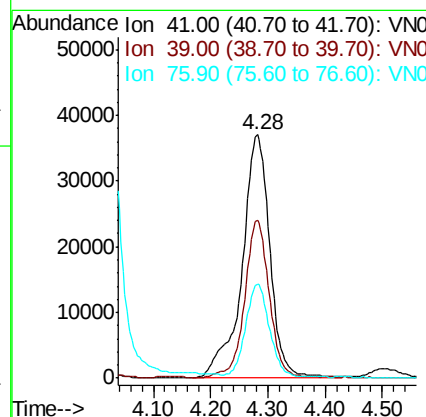
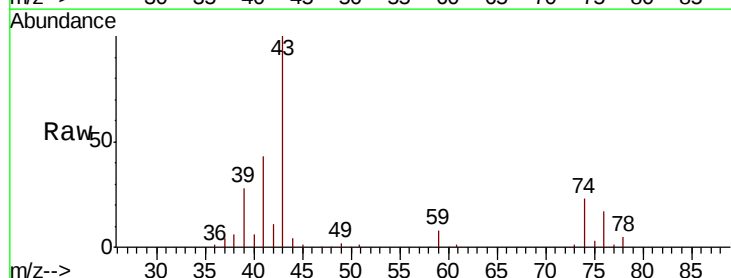
Tgt Ion: 41 Resp: 126142

Ion Ratio Lower Upper

41 100

39 57.0 47.9 71.9

76 32.0 27.0 40.6





#15

Acrylonitrile

Concen: 262.662 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

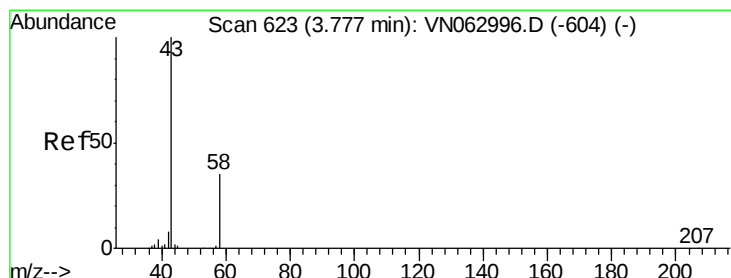
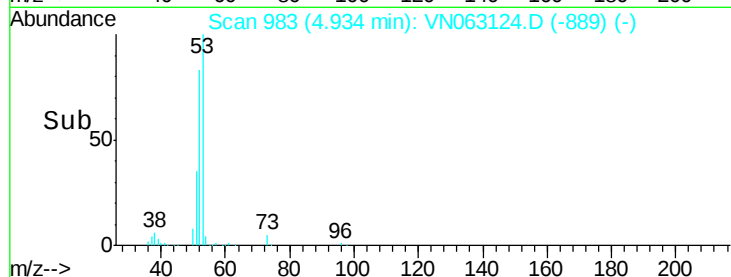
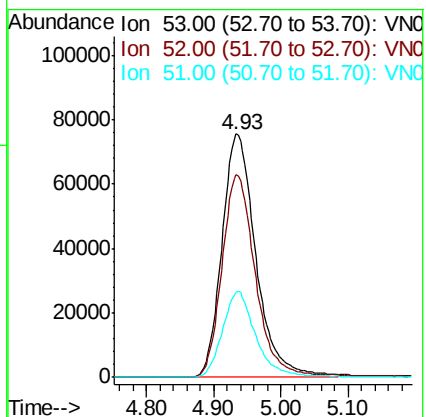
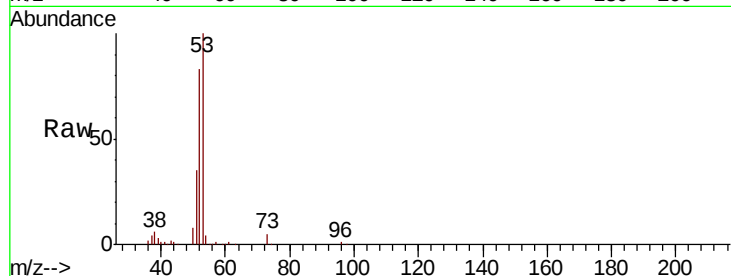
Tot Ion: 53 Resp: 265676

Ion Ratio Lower Upper

53 100

52 82.2 65.6 98.4

51 34.5 28.2 42.4



#16

Acetone

Concen: 298.102 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN063124.D

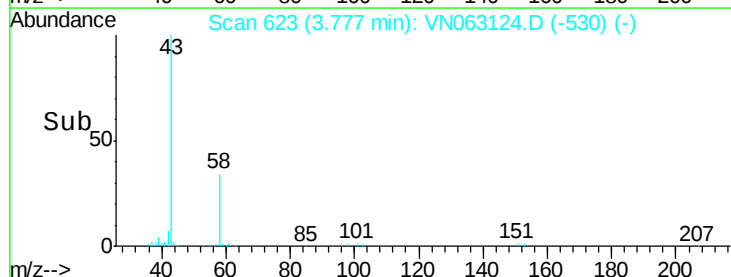
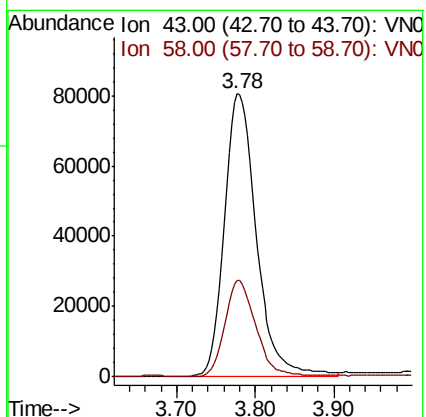
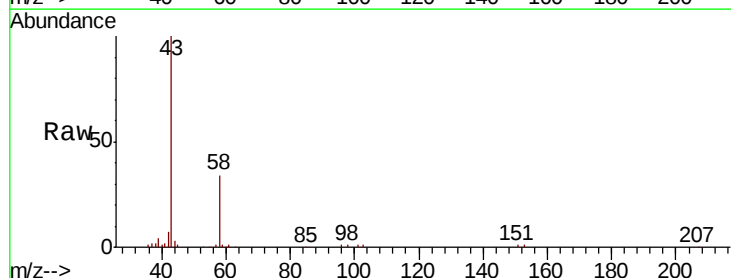
Acq: 25 Aug 2020 20:16

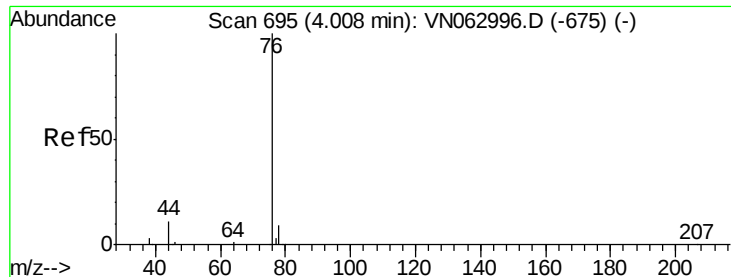
Tgt Ion: 43 Resp: 225277

Ion Ratio Lower Upper

43 100

58 34.1 27.8 41.6





#17

Carbon Disulfide

Concen: 42.267 ug/l

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

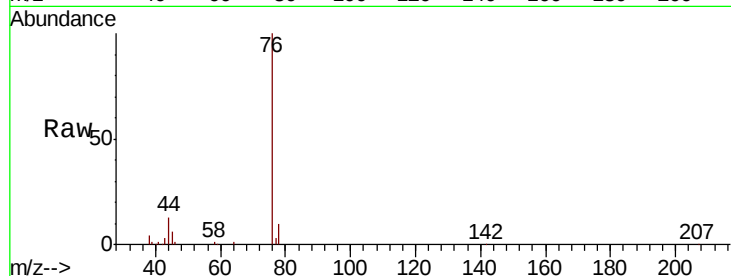
BP-VPB181-GW-498-500MSD

Tot Ion: 76 Resp: 192610

Ion Ratio Lower Upper

76 100

78 9.6 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.01

60000

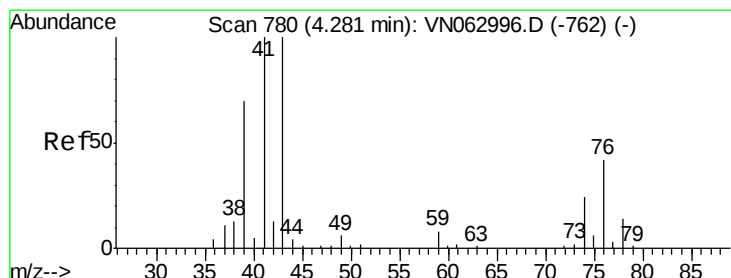
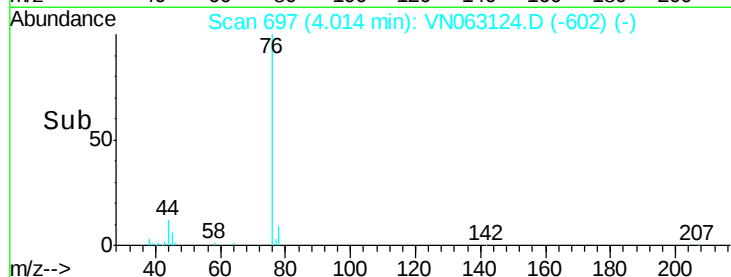
40000

20000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 106.658 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN063124.D

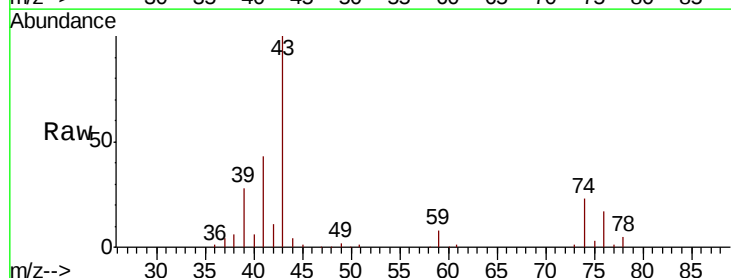
Acq: 25 Aug 2020 20:16

Tgt Ion: 43 Resp: 257516

Ion Ratio Lower Upper

43 100

74 23.1 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.28

100000

80000

60000

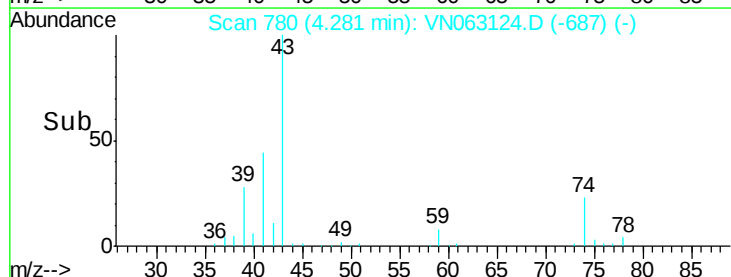
40000

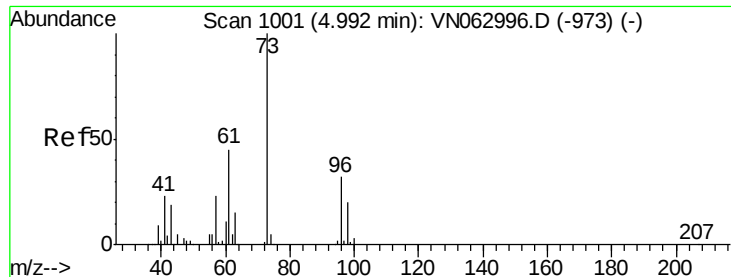
20000

0

Time-->

4.20 4.30 4.40

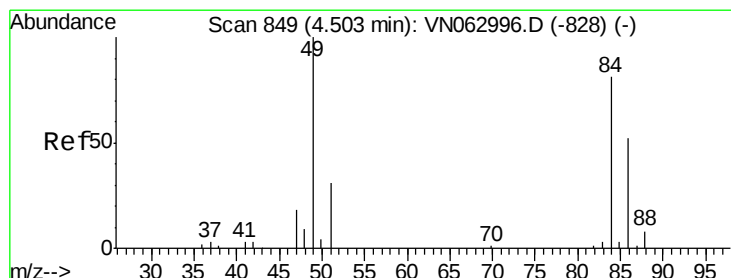
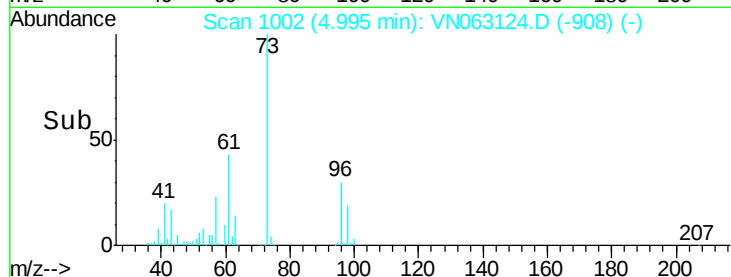
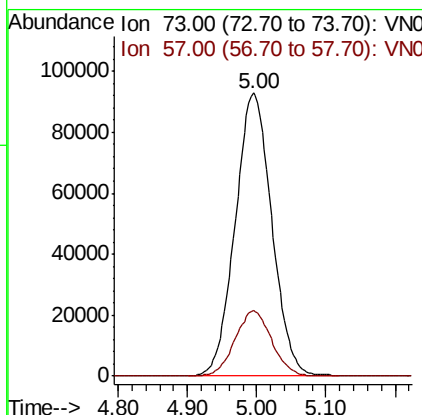
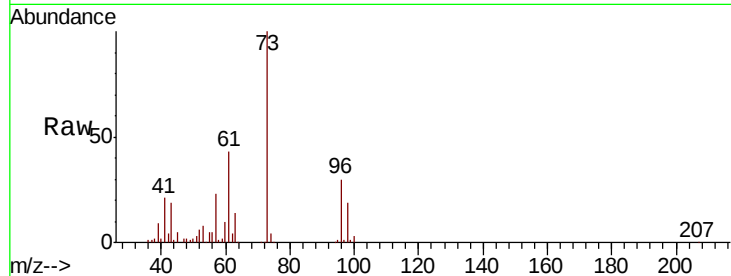




#19
Methvl tert-butvl Ether
Concen: 56.280 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

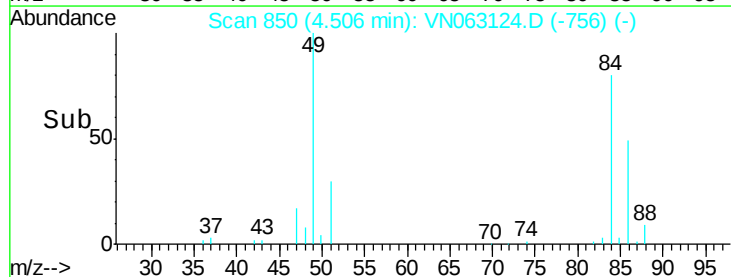
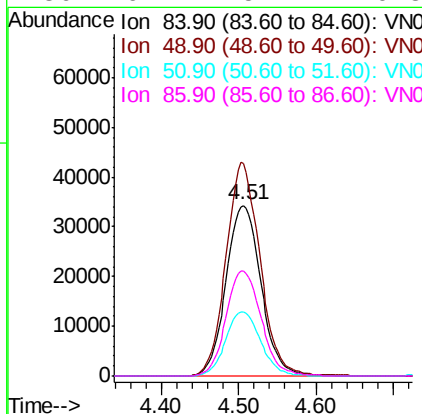
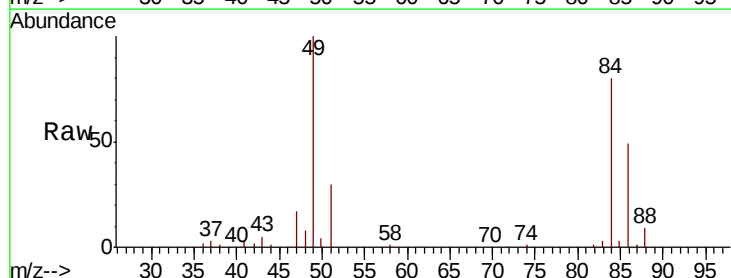
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

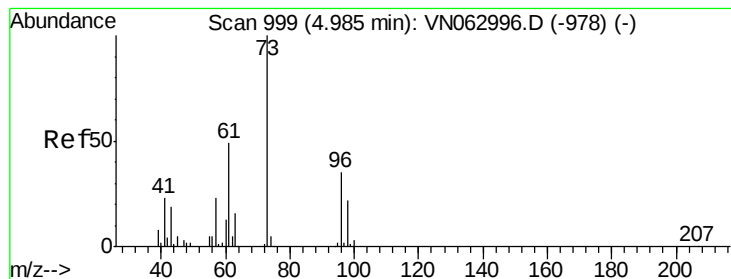
Tot Ion: 73 Resp: 341527
Ion Ratio Lower Upper
73 100
57 23.2 18.1 27.1



#20
Methylene Chloride
Concen: 50.269 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion: 84 Resp: 107661
Ion Ratio Lower Upper
84 100
49 124.5 98.7 148.1
51 37.2 30.8 46.2
86 61.2 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 48.939 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

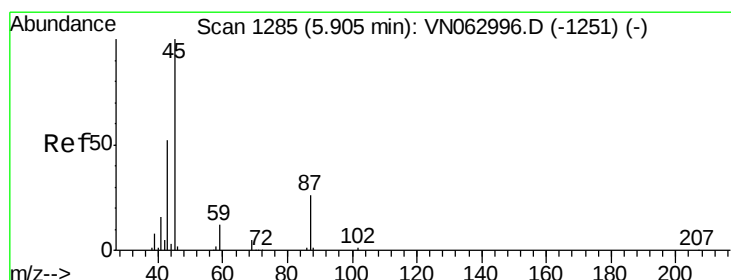
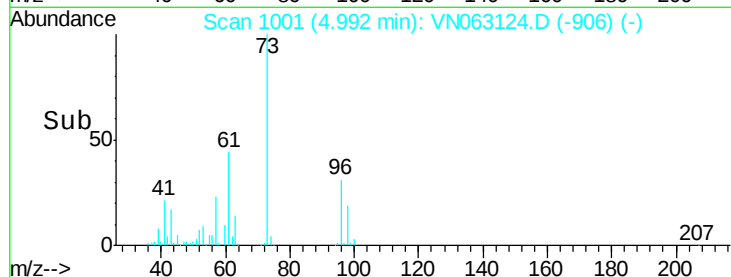
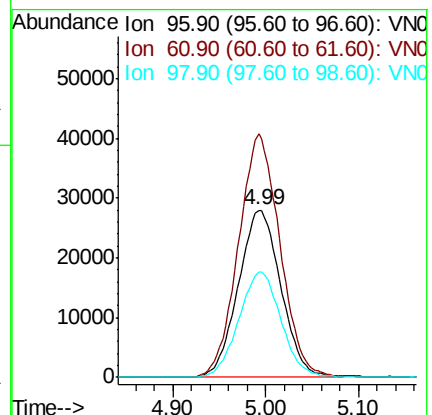
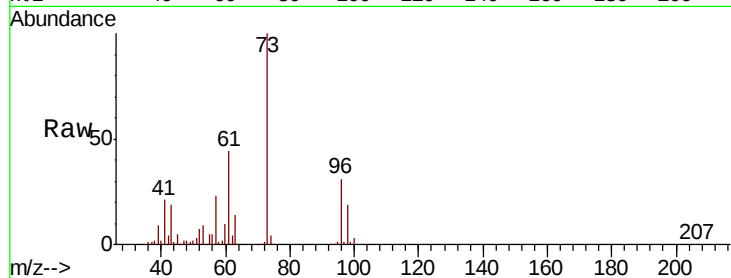
Tot Ion: 96 Resp: 89118

Ion Ratio Lower Upper

96 100

61 145.6 112.5 168.7

98 63.0 49.4 74.0



#22

Diisopropyl ether

Concen: 54.497 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Tgt Ion: 45 Resp: 379414

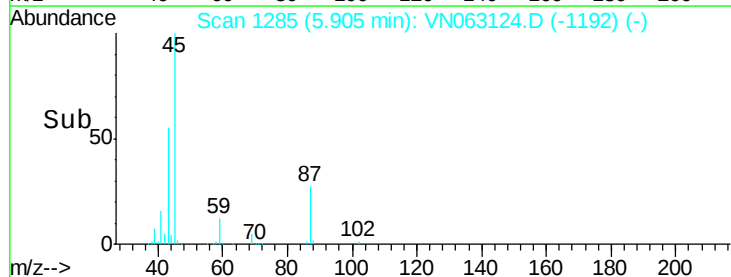
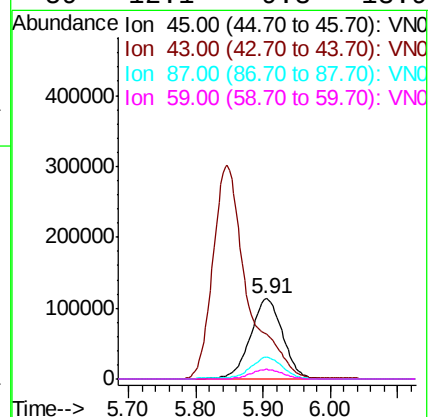
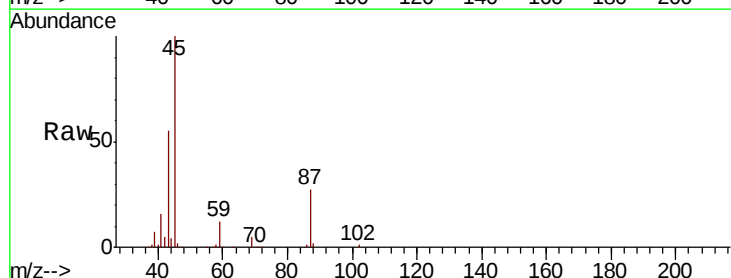
Ion Ratio Lower Upper

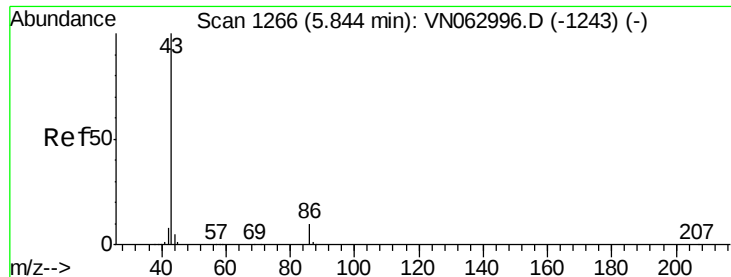
45 100

43 54.2 45.7 68.5

87 27.0 21.8 32.6

59 12.1 9.3 13.9





#23

Vinyl Acetate

Concen: 227.767 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

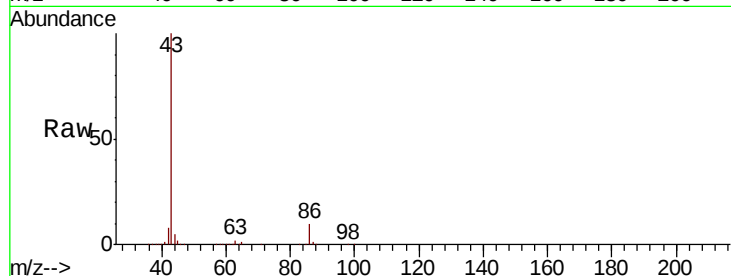
BP-VPB181-GW-498-500MSD

Tot Ion: 43 Resp: 1070080

Ion Ratio Lower Upper

43 100

86 10.2 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN063124.D (-1173) (-)

Ion 86.00 (85.70 to 86.70): VN063124.D (-1173) (-)

5.85

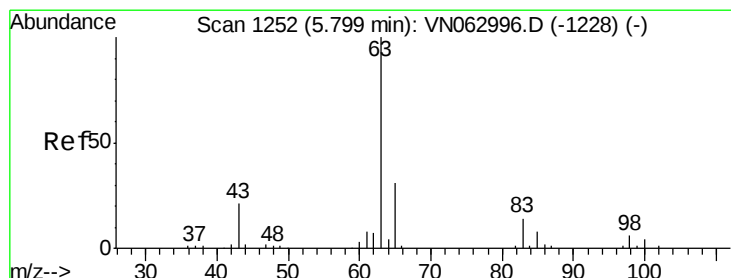
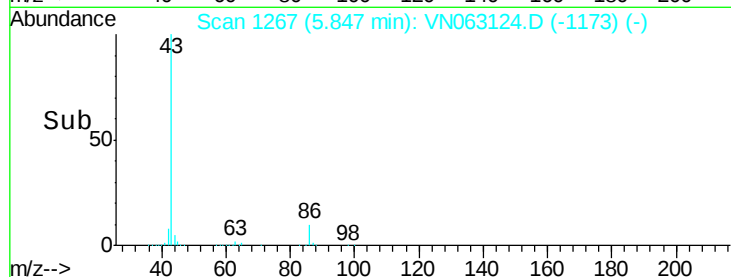
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.710 ug/l

RT: 5.80 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

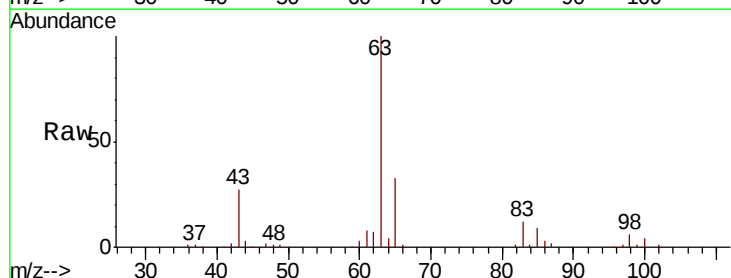
Tgt Ion: 63 Resp: 197287

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN063124.D (-1159) (-)

Ion 97.90 (97.60 to 98.60): VN063124.D (-1159) (-)

Ion 99.90 (99.60 to 100.60): VN063124.D (-1159) (-)

5.80

80000

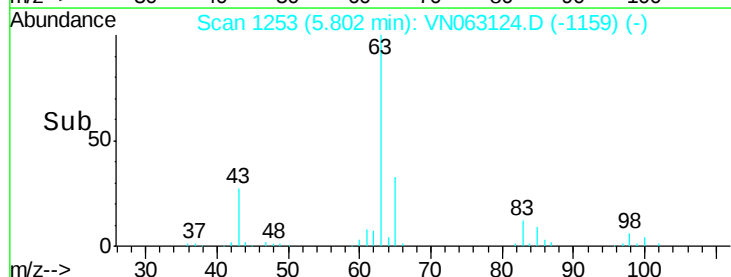
60000

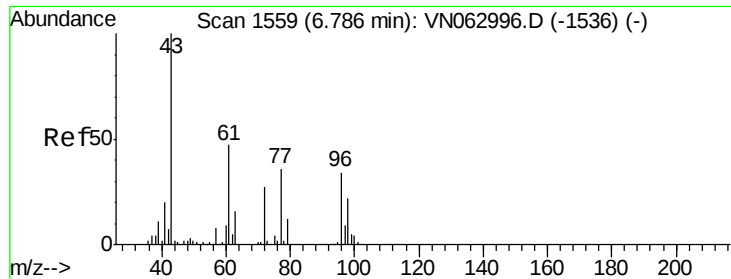
40000

20000

0

Time-->

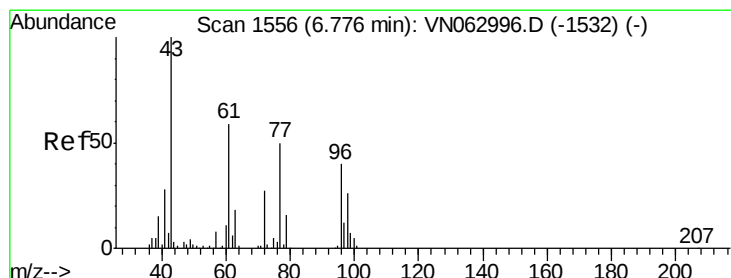
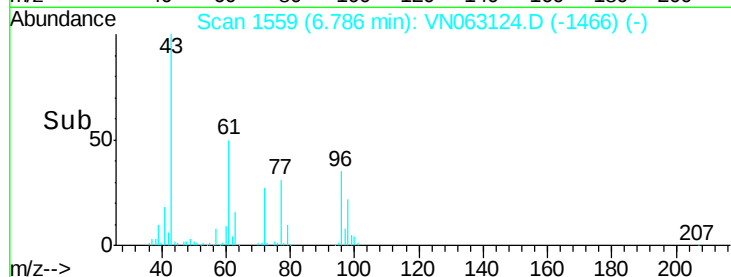
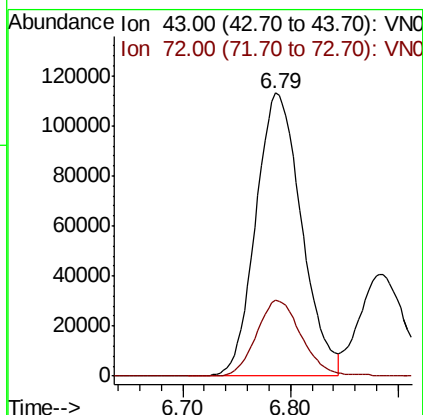
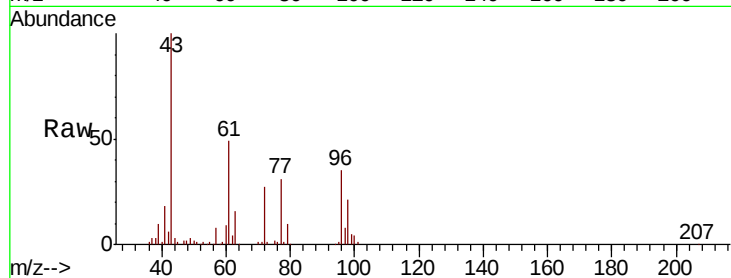




#25
2-Butanone
Concen: 256.845 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

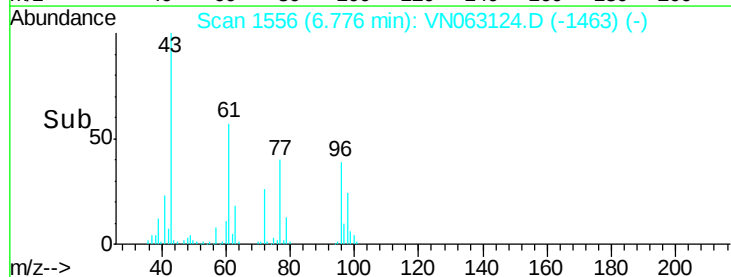
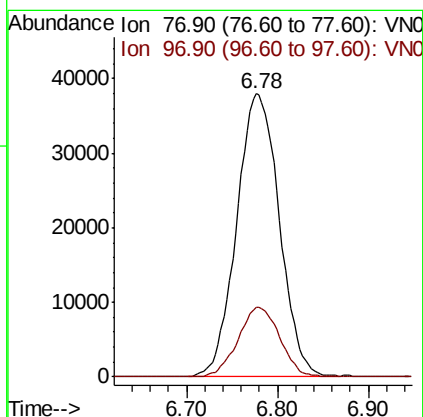
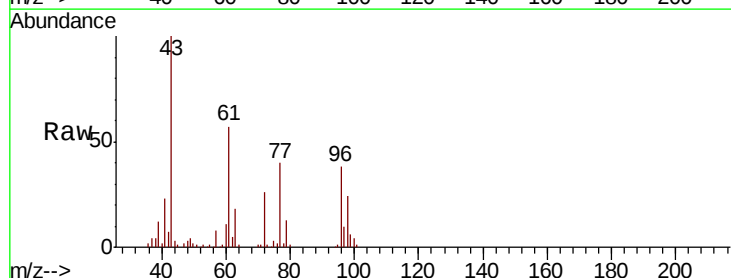
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

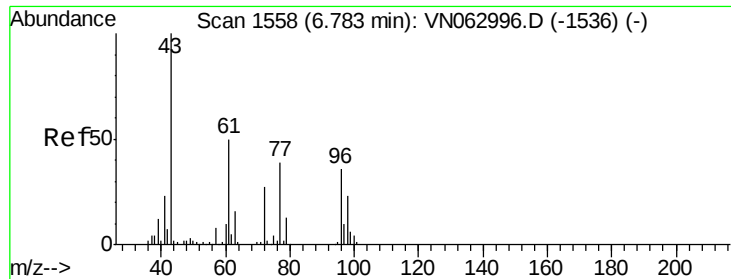
Tot Ion: 43 Resp: 331291
Ion Ratio Lower Upper
43 100
72 26.8 21.8 32.6



#26
2,2-Dichloropropane
Concen: 40.368 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion: 77 Resp: 123513
Ion Ratio Lower Upper
77 100
97 23.9 11.7 35.1

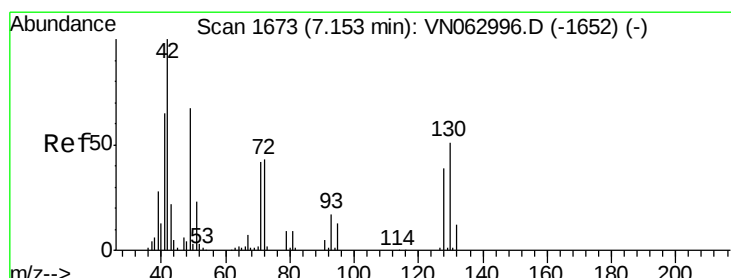
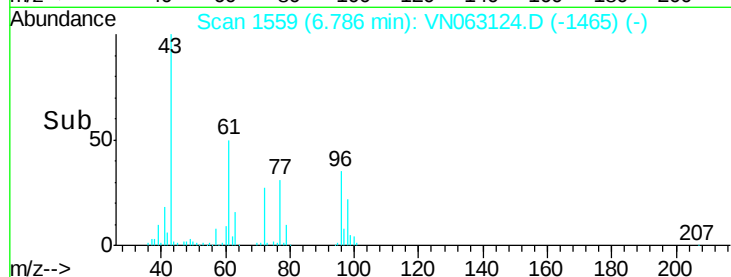
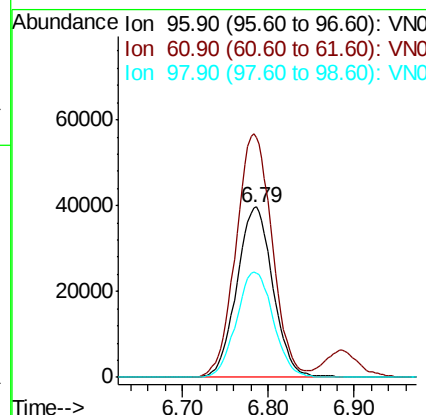
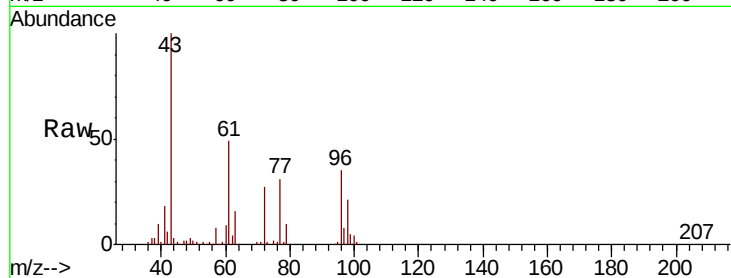




#27
 cis-1,2-Dichloroethene
 Concen: 50.621 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

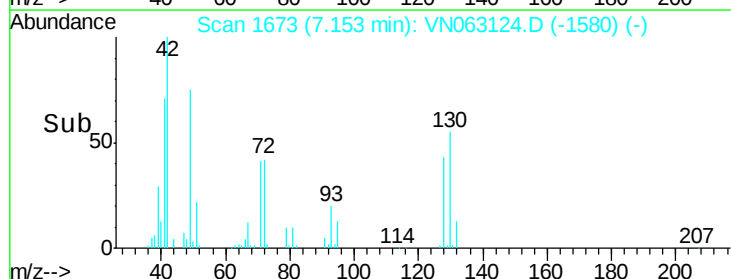
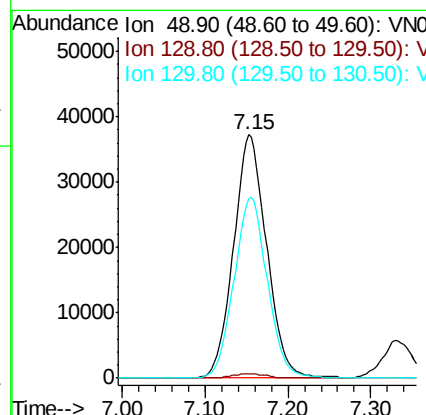
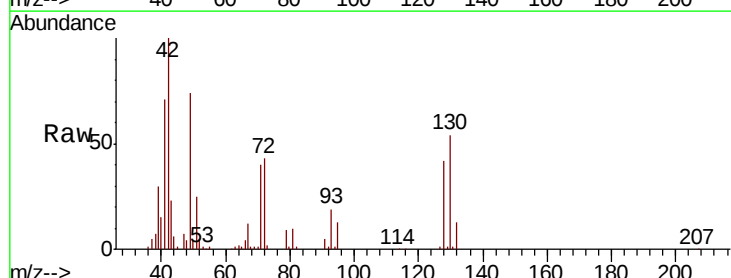
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

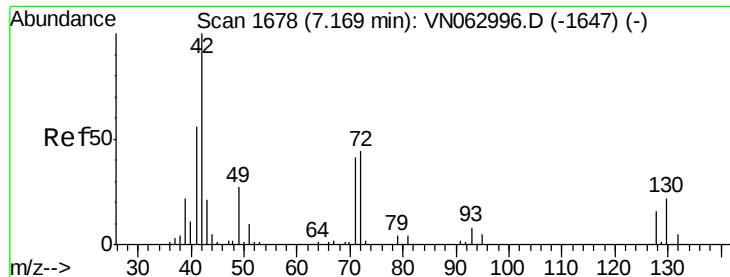
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	292.8
98	63.0	0.0	130.6



#28
 Bromochloromethane
 Concen: 50.788 ug/l
 RT: 7.15 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	74.7	61.1	91.7

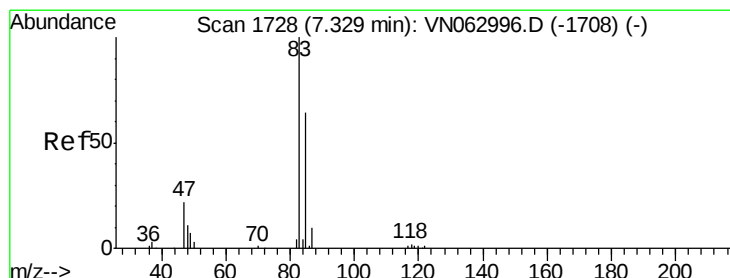
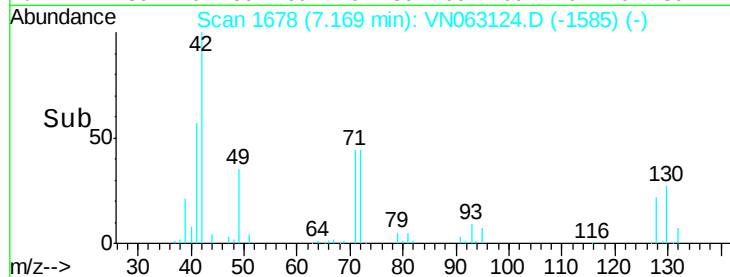
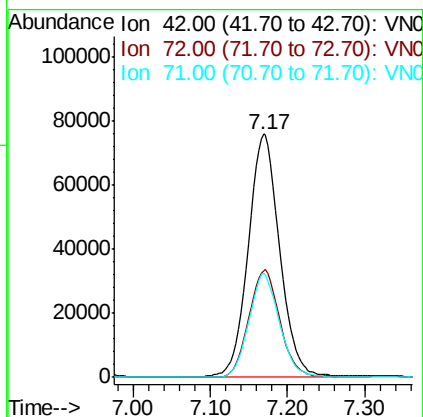
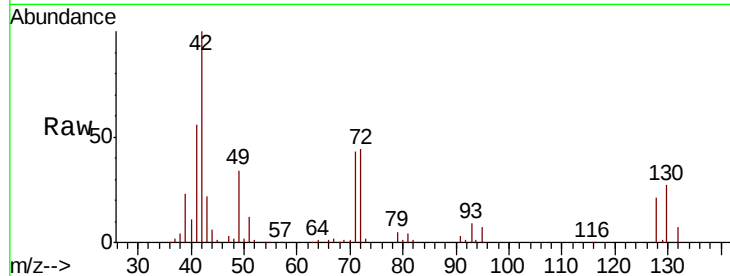




#29
Tetrahydrofuran
Concen: 260.132 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

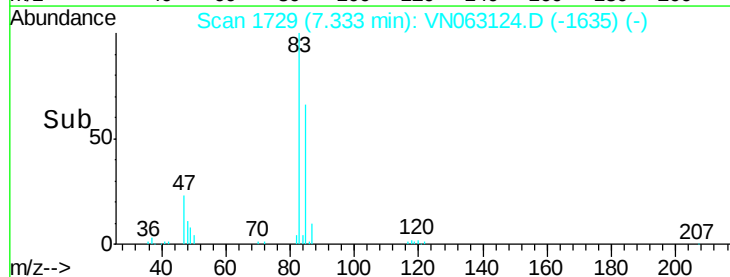
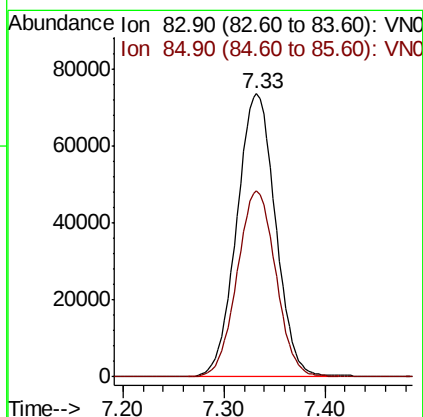
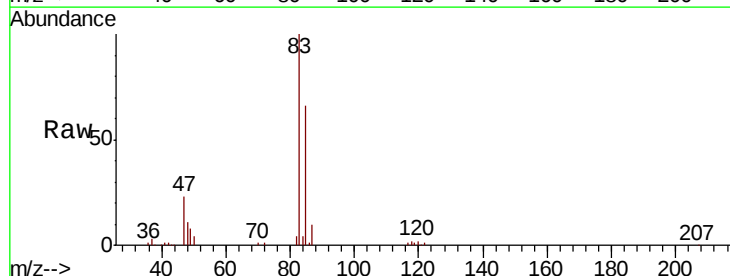
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

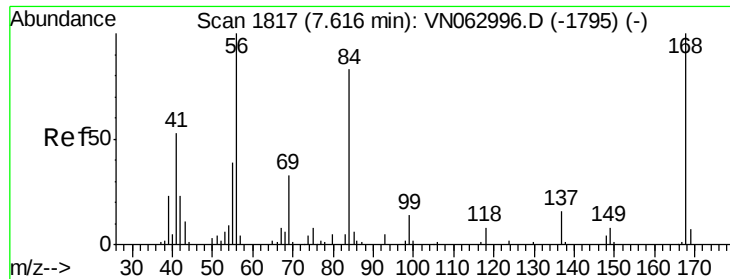
Tot Ion: 42 Resp: 216551
Ion Ratio Lower Upper
42 100
72 43.5 34.6 52.0
71 41.3 32.3 48.5



#30
Chloroform
Concen: 49.869 ug/l
RT: 7.33 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion: 83 Resp: 195398
Ion Ratio Lower Upper
83 100
85 65.9 51.5 77.3

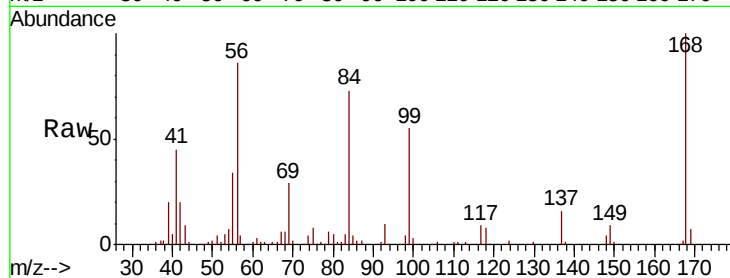




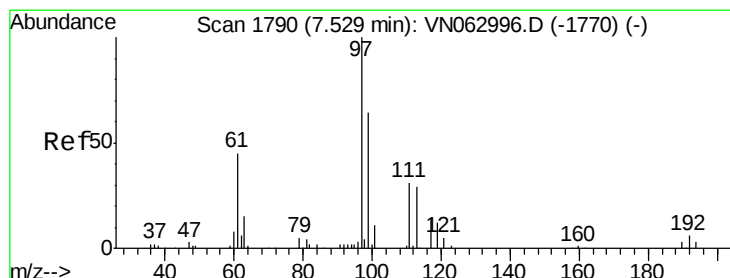
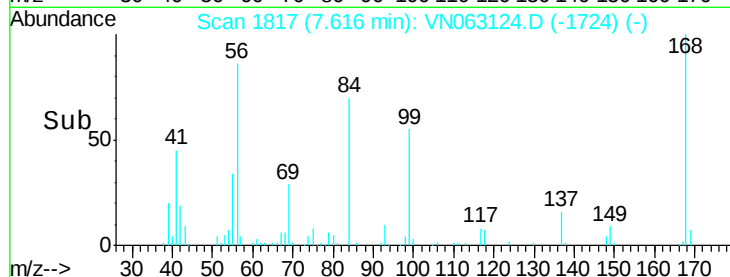
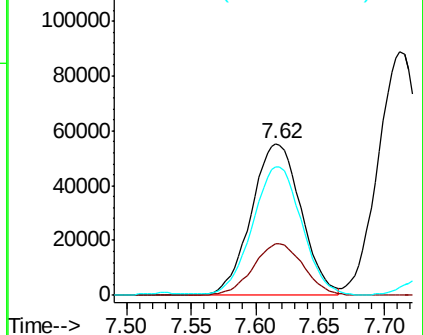
#31
Cyclohexane
Concen: 41.597 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

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

Tot Ion: 56 Resp: 148951
Ion Ratio Lower Upper
56 100
69 33.8 26.6 40.0
84 84.1 66.4 99.6

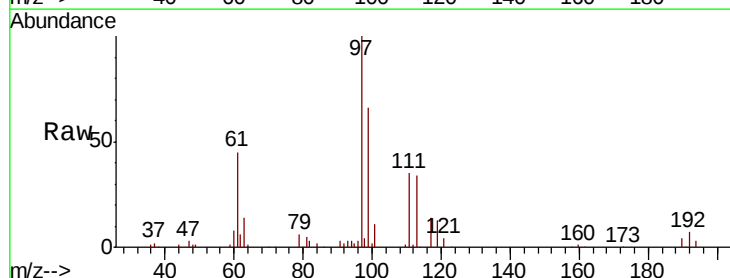


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

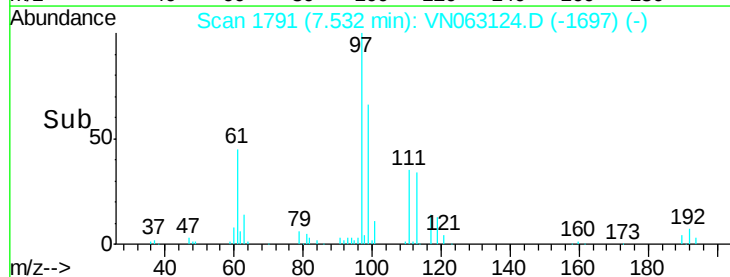
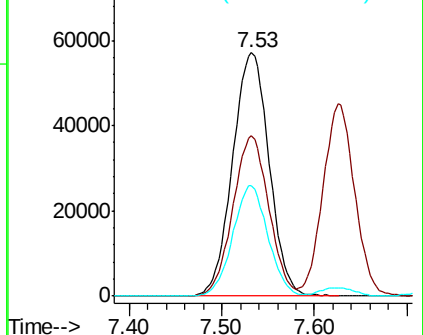


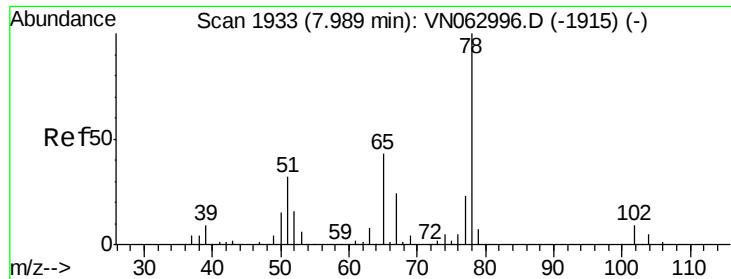
#32
1,1,1-Trichloroethane
Concen: 48.822 ug/l
RT: 7.53 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion: 97 Resp: 156174
Ion Ratio Lower Upper
97 100
99 64.8 52.0 78.0
61 43.8 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 53.174 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

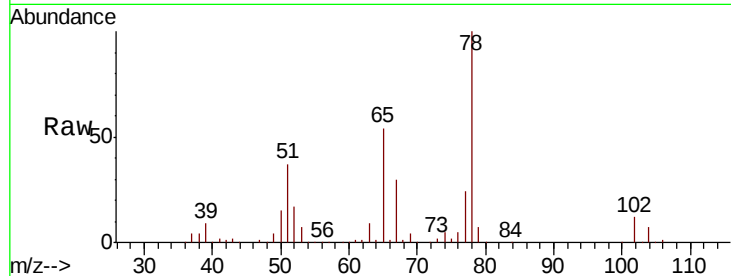
BP-VPB181-GW-498-500MSD

Tot Ion: 65 Resp: 129189

Ion Ratio Lower Upper

65 100

67 55.1 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN063124.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN063124.D (-1840) (-)

7.99

60000

50000

40000

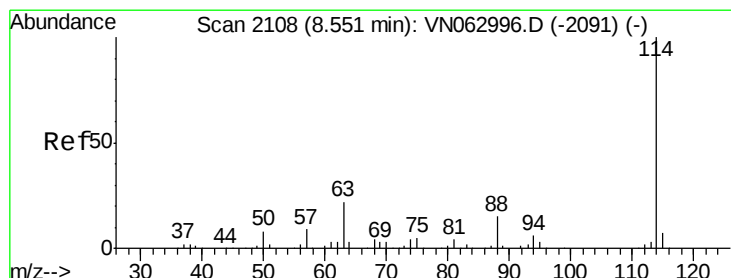
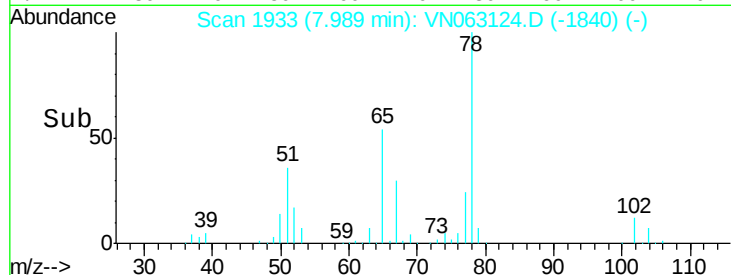
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

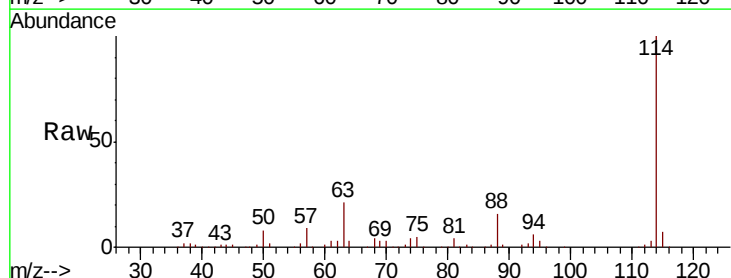
Tgt Ion: 114 Resp: 329521

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

88 15.6 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN063124.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN063124.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN063124.D (-2015) (-)

8.55

200000

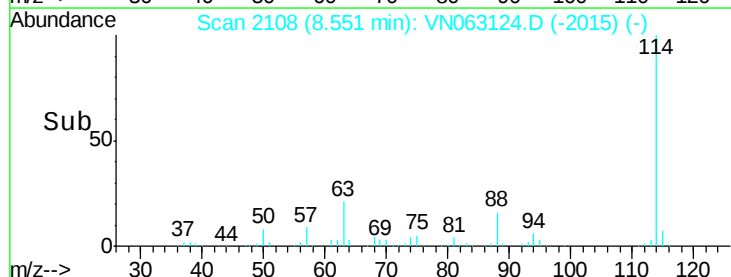
150000

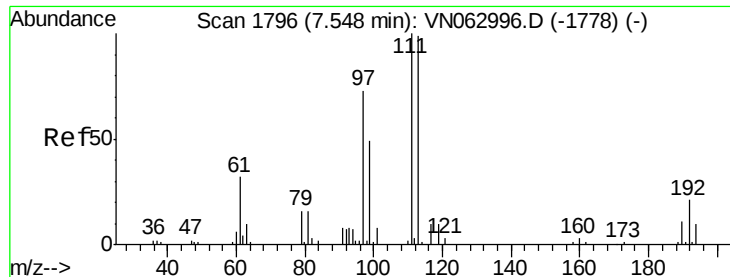
100000

50000

0

Time-->

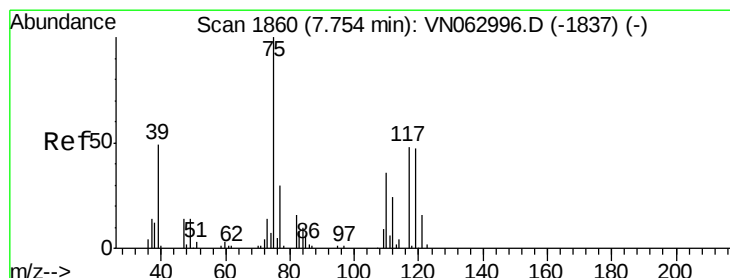
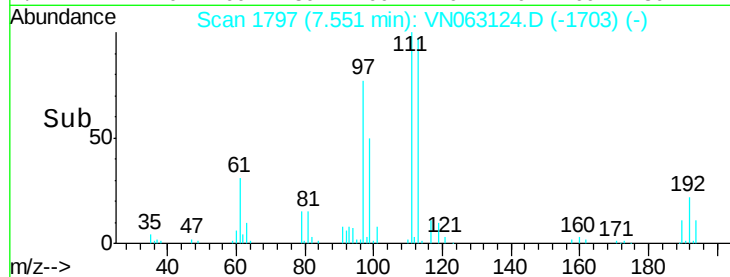
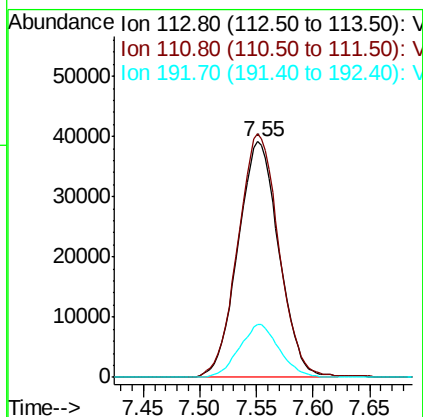
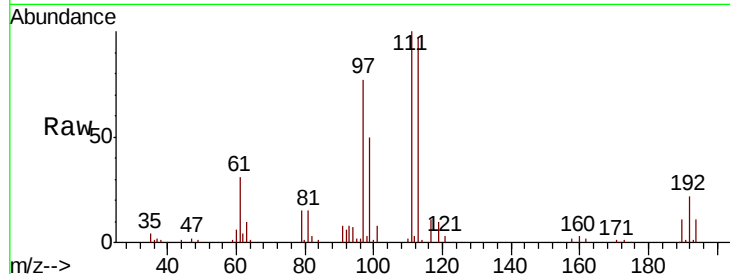




#35
 Dibromofluoromethane
 Concen: 45.993 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

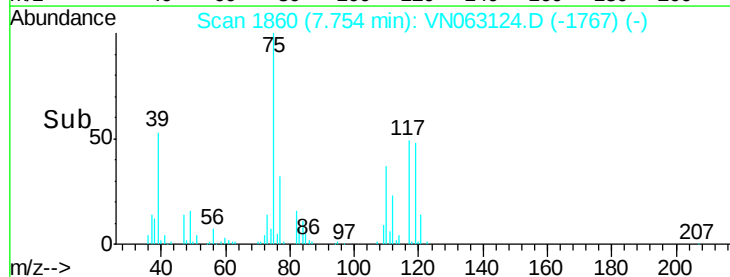
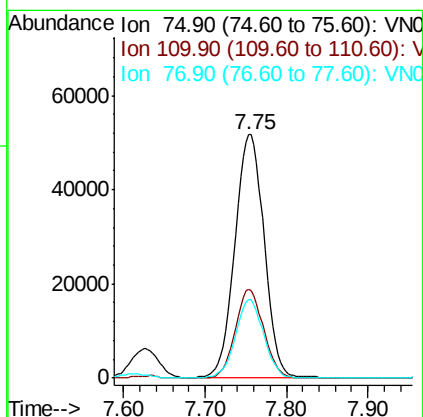
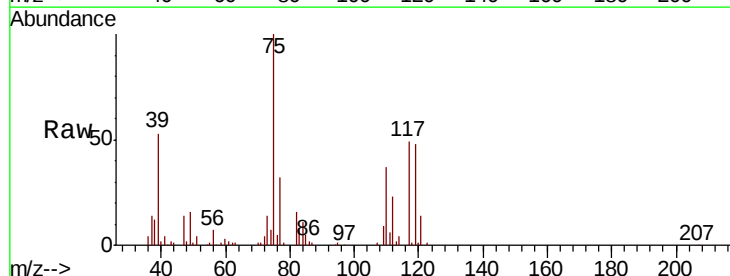
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

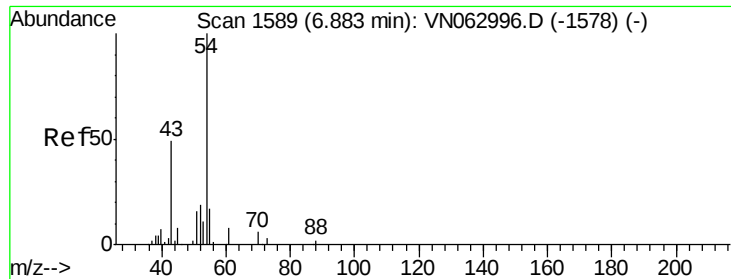
Tot Ion:113 Resp: 98753
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.7 122.5
 192 21.8 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 44.482 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion: 75 Resp: 129173
 Ion Ratio Lower Upper
 75 100
 110 34.8 17.5 52.6
 77 31.2 24.2 36.4

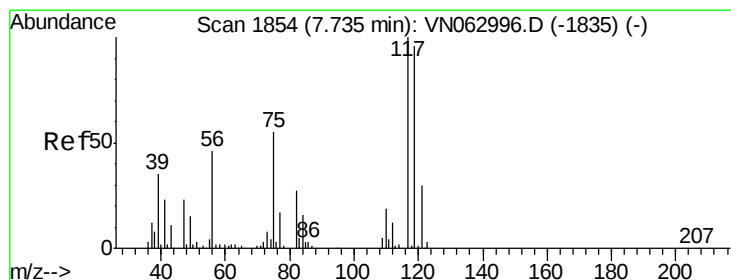
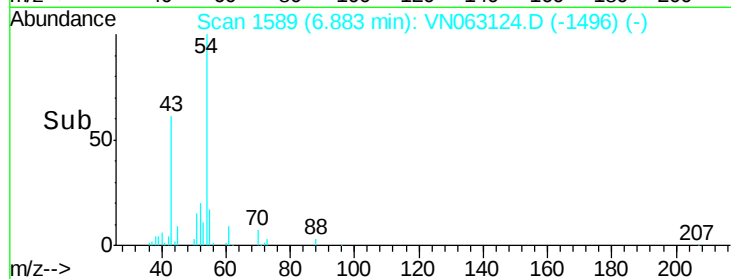
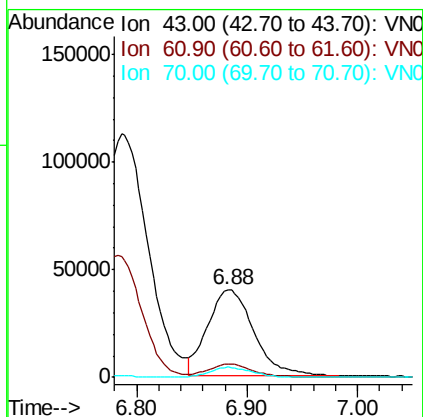
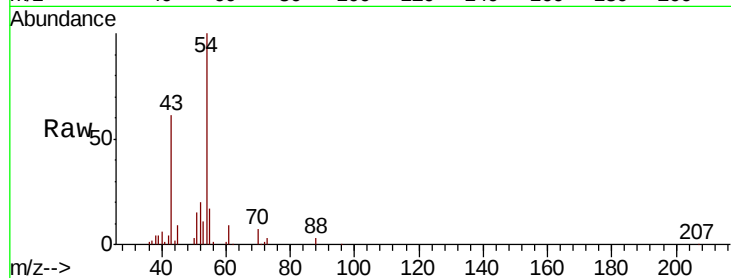




#37
Ethyl Acetate
Concen: 42.948 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

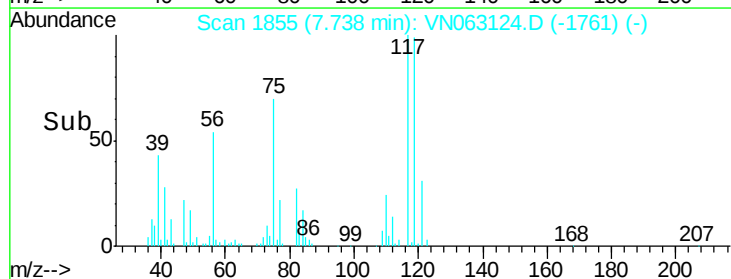
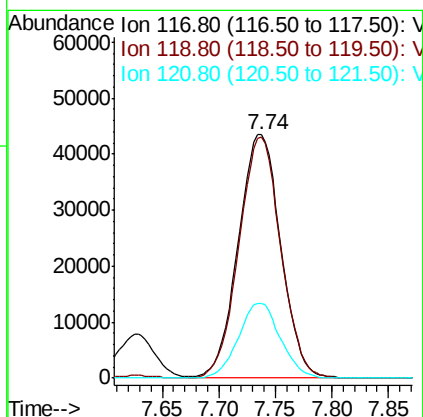
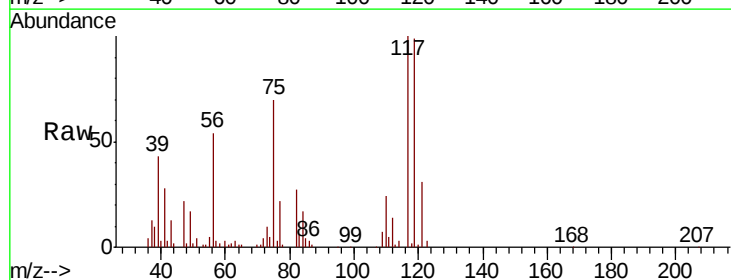
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

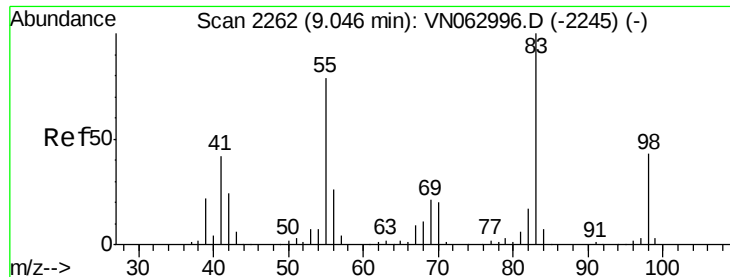
Tot Ion: 43 Resp: 116862
Ion Ratio Lower Upper
43 100
61 14.4 11.8 17.8
70 10.8 8.2 12.2



#38
Carbon Tetrachloride
Concen: 38.767 ug/l
RT: 7.74 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion: 117 Resp: 113655
Ion Ratio Lower Upper
117 100
119 99.2 76.2 114.4
121 30.9 24.2 36.2

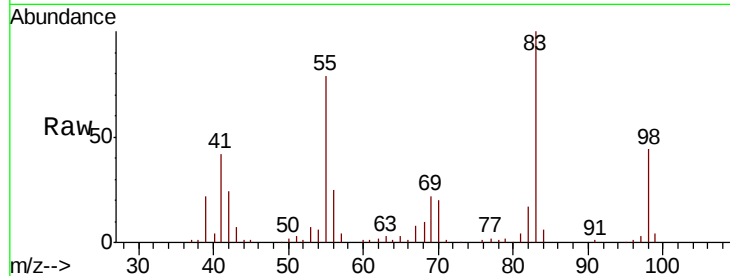




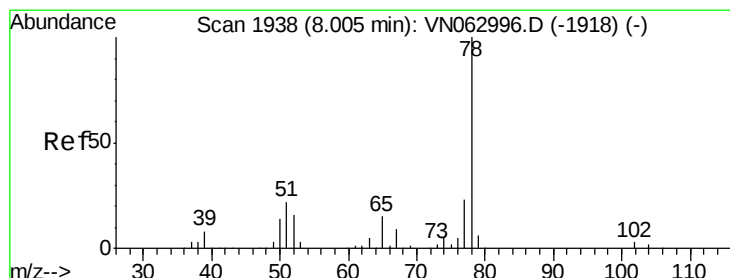
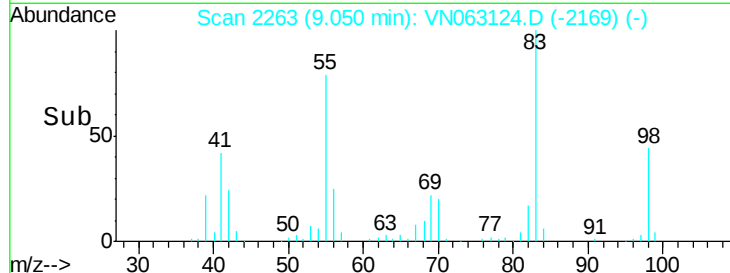
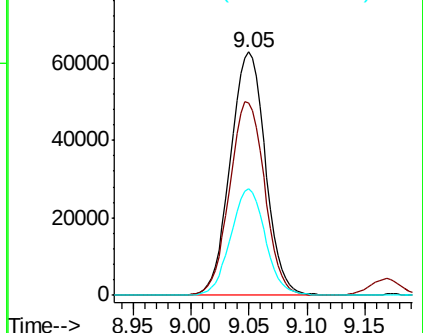
#39
Methvlcvclohexane
Concen: 34.060 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

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

Tot Ion: 83 Resp: 131518
Ion Ratio Lower Upper
83 100
55 79.2 63.3 94.9
98 43.8 34.2 51.4

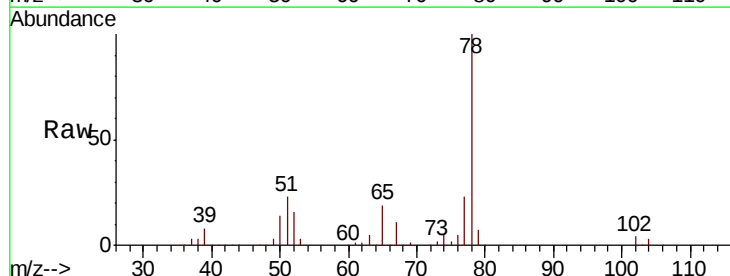


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

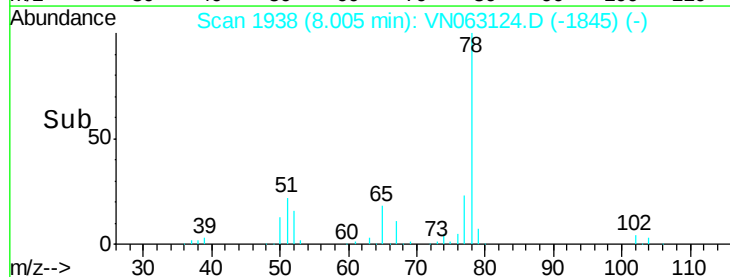
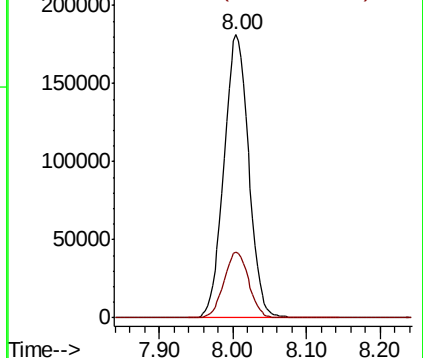


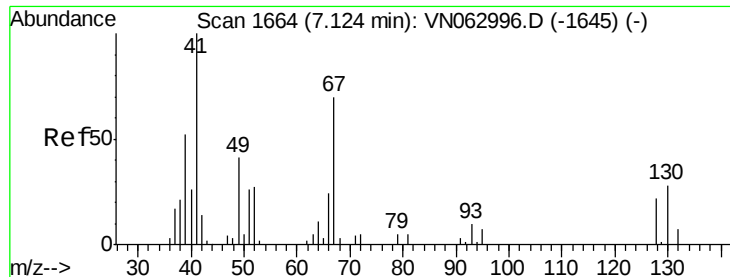
#40
Benzene
Concen: 46.033 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion: 78 Resp: 423970
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



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

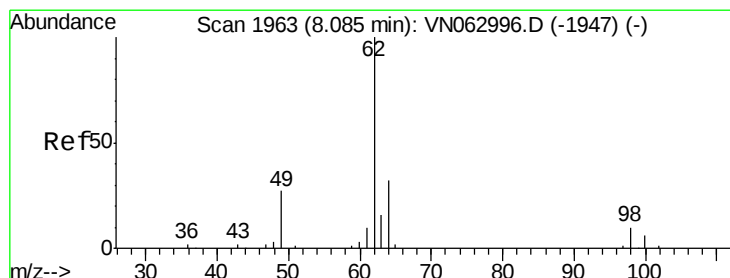
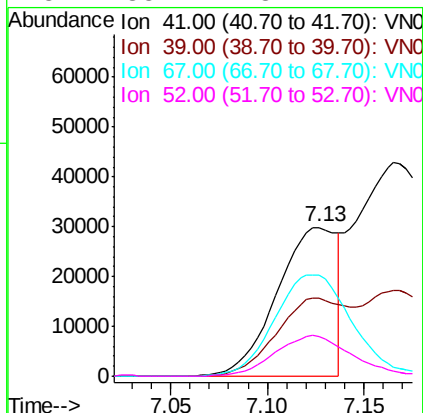
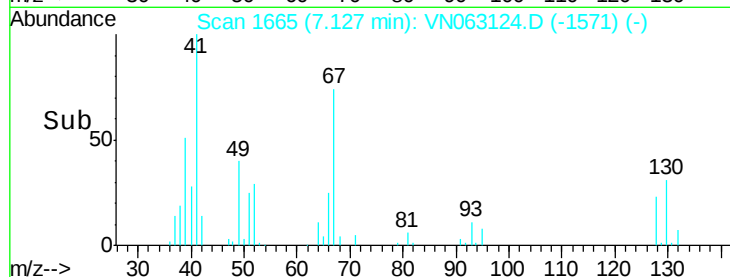
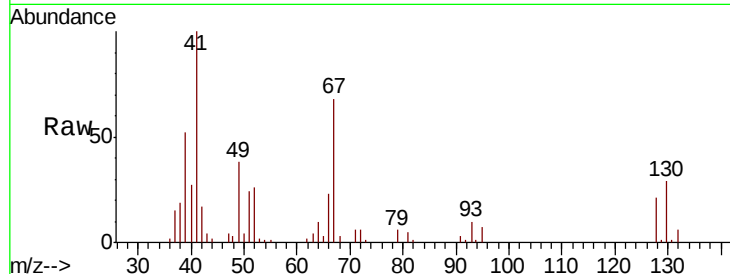




#41
Methacrylonitrile
Concen: 49.593 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

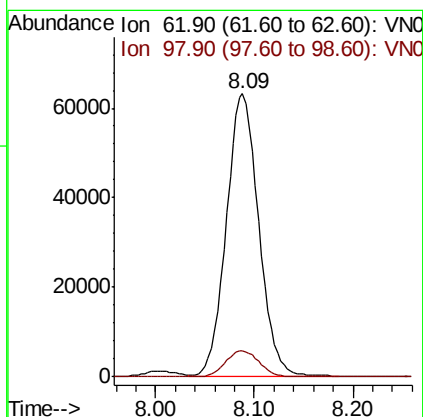
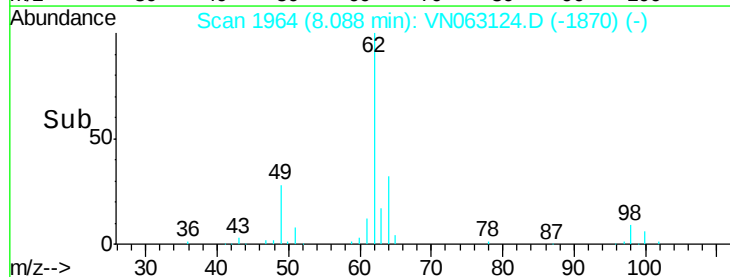
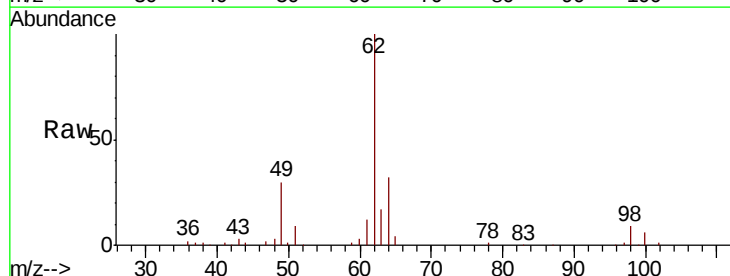
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

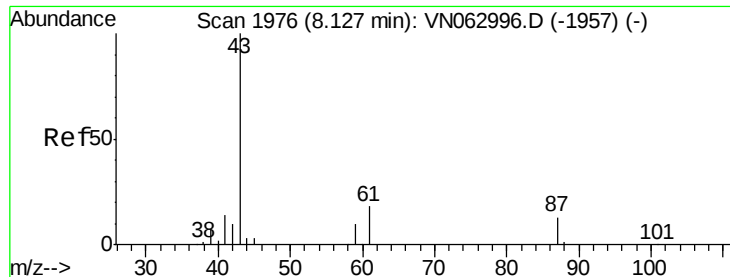
Tot Ion: 41 Resp: 64293
Ion Ratio Lower Upper
41 100
39 65.0 41.6 62.4#
67 89.4 71.8 107.8
52 35.7 28.2 42.4



#42
1,2-Dichloroethane
Concen: 46.716 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion: 62 Resp: 144471
Ion Ratio Lower Upper
62 100
98 9.6 0.0 18.4





#43

Isopropyl Acetate

Concen: 47.249 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

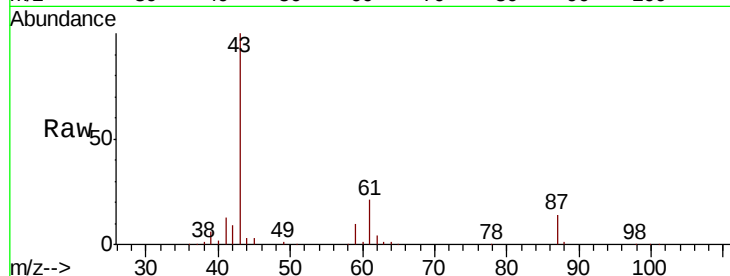
Tot Ion: 43 Resp: 212993

Ion Ratio Lower Upper

43 100

61 28.9 22.6 33.8

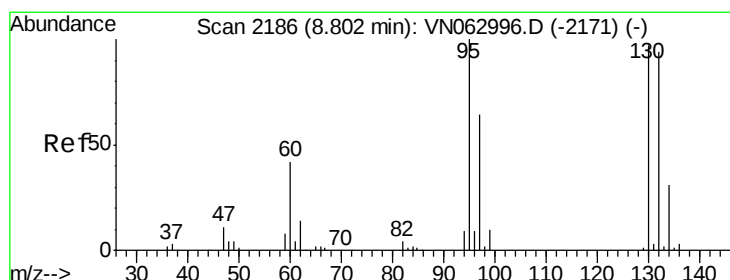
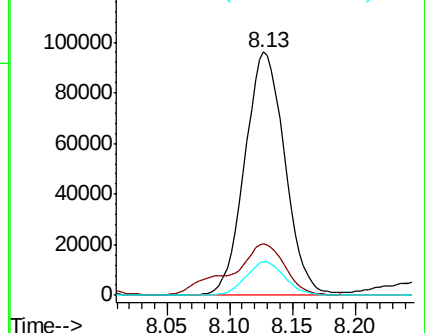
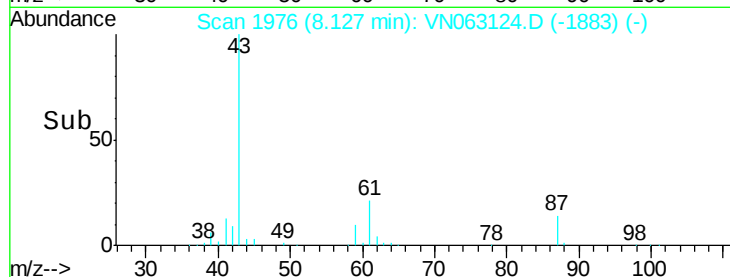
87 13.5 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VN063124.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN063124.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN063124.D (-1883) (-)



#44

Trichloroethene

Concen: 56.540 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN063124.D

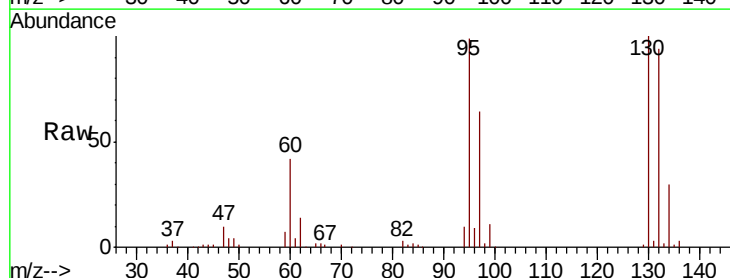
Acq: 25 Aug 2020 20:16

Tgt Ion:130 Resp: 129532

Ion Ratio Lower Upper

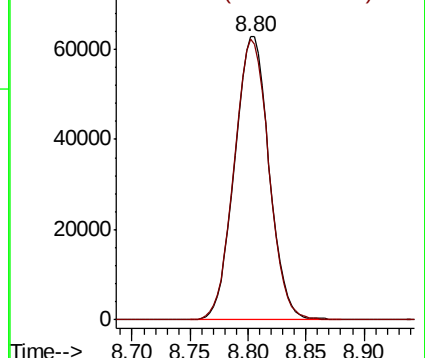
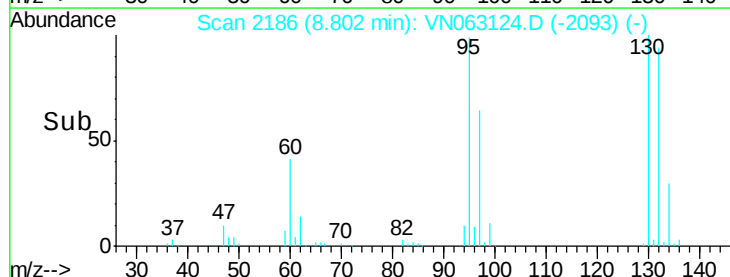
130 100

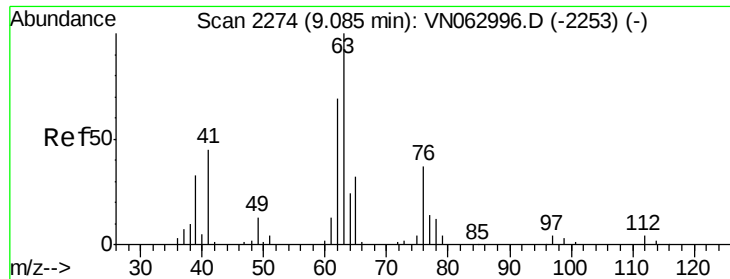
95 99.0 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VN063124.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN063124.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 47.086 ug/l

RT: 9.09 min Scan# 2275

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

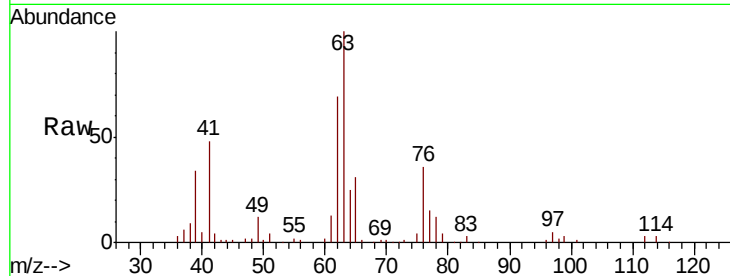
BP-VPB181-GW-498-500MSD

Tot Ion: 63 Resp: 125355

Ion Ratio Lower Upper

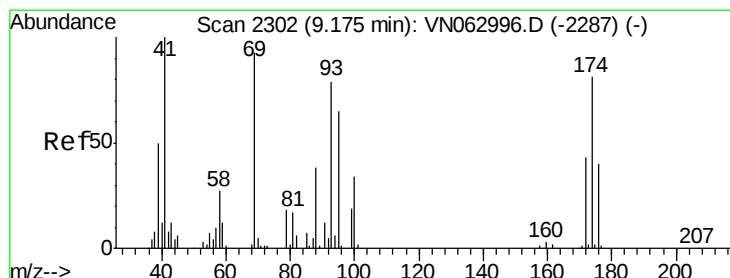
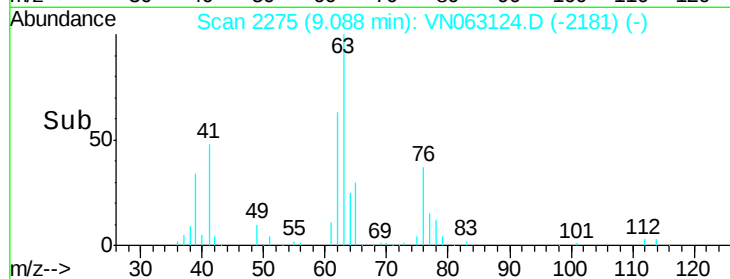
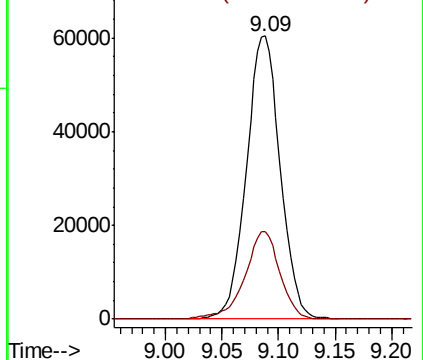
63 100

65 31.0 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 47.359 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

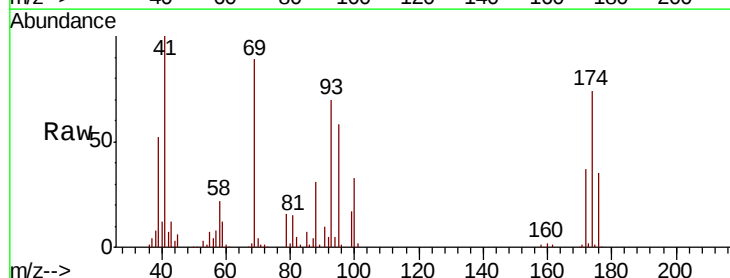
Tgt Ion: 93 Resp: 72838

Ion Ratio Lower Upper

93 100

95 84.3 66.2 99.4

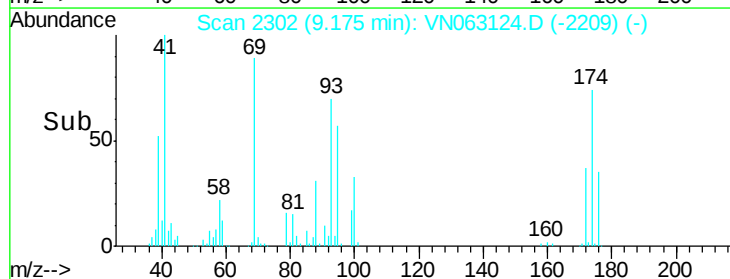
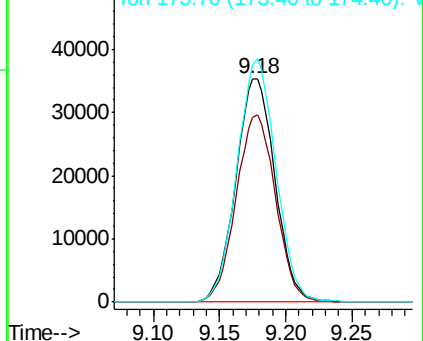
174 107.8 84.6 127.0

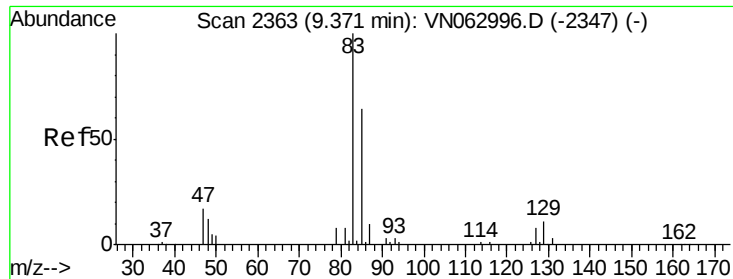


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 46.381 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

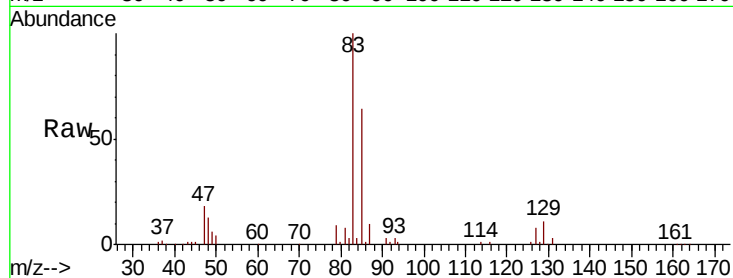
Tot Ion: 83 Resp: 156238

Ion Ratio Lower Upper

83 100

85 64.4 51.1 76.7

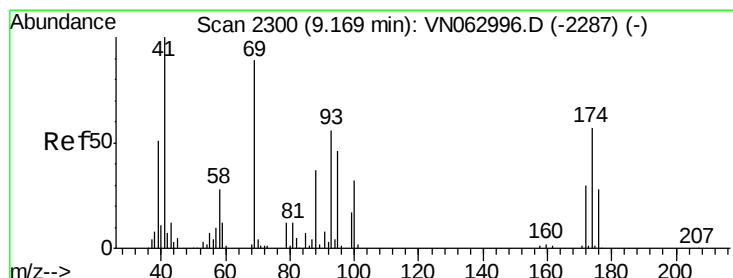
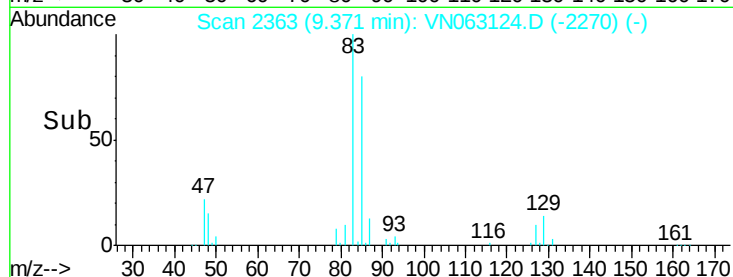
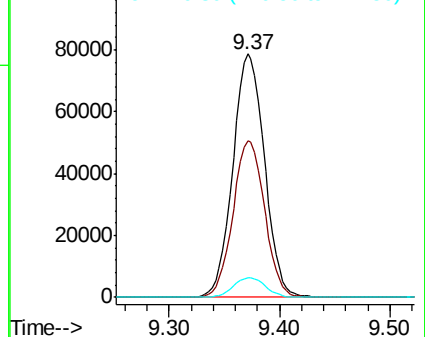
127 8.1 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 52.799 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

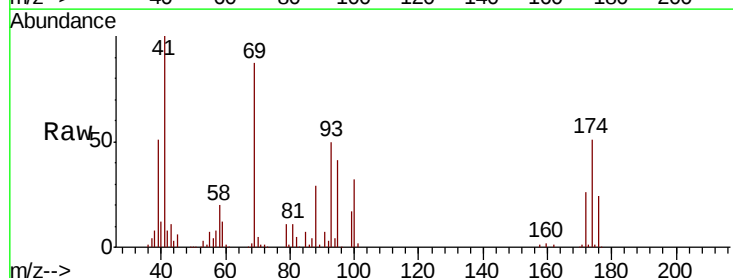
Tgt Ion: 41 Resp: 112615

Ion Ratio Lower Upper

41 100

69 87.1 74.2 111.4

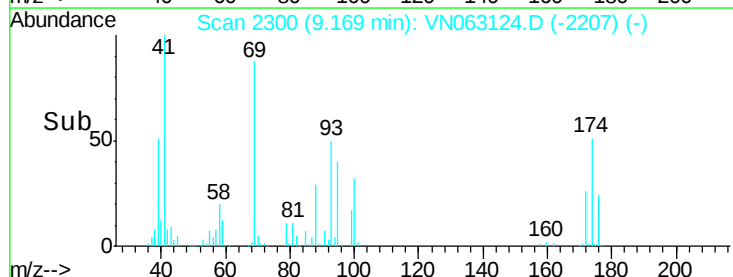
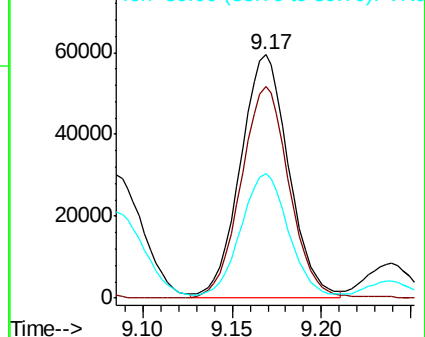
39 51.2 42.5 63.7

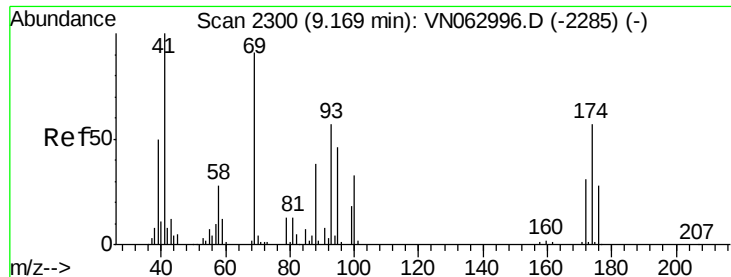


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

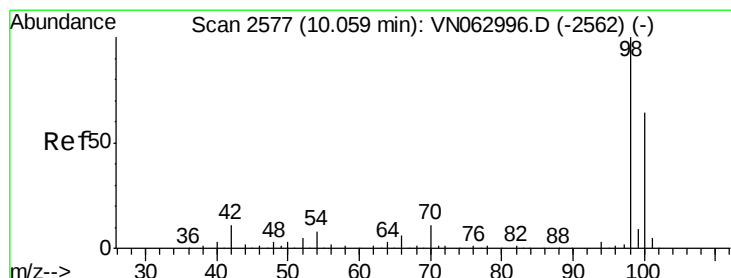
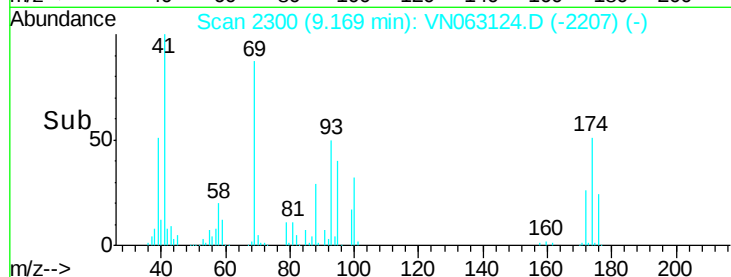
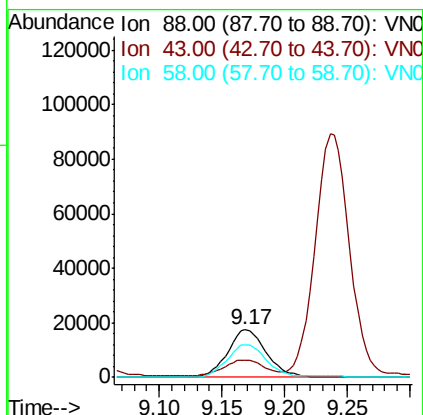
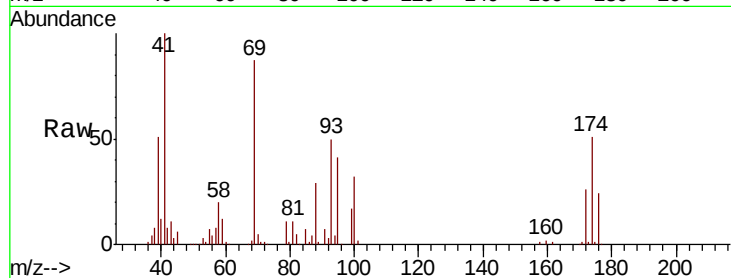




#49
1,4-Dioxane
Concen: 803.118 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

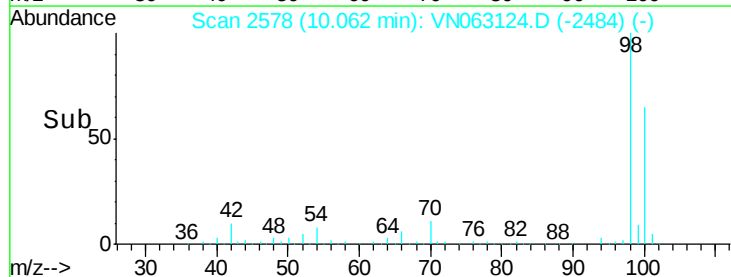
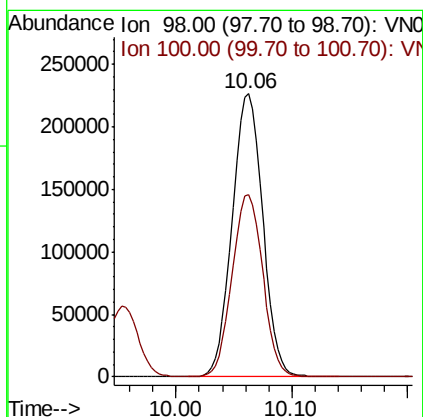
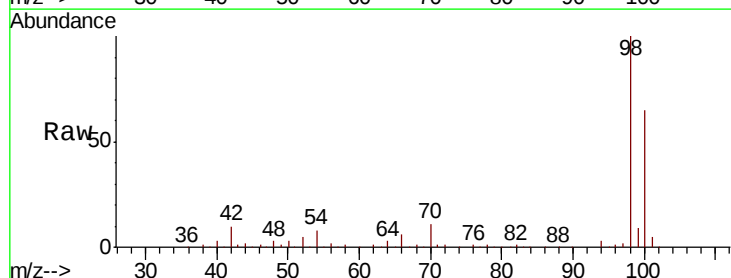
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

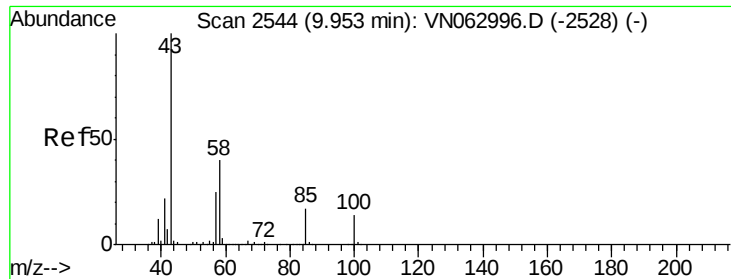
Tot Ion: 88 Resp: 37551
Ion Ratio Lower Upper
88 100
43 33.9 25.2 37.8
58 70.7 56.7 85.1



#50
Toluene-d8
Concen: 50.189 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion: 98 Resp: 413926
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 250.941 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

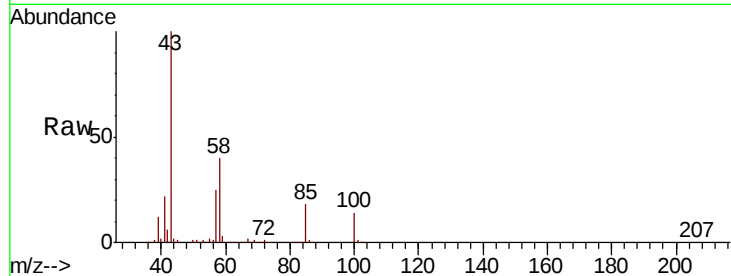
BP-VPB181-GW-498-500MSD

Tot Ion: 43 Resp: 715023

Ion Ratio Lower Upper

43 100

58 40.4 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

400000

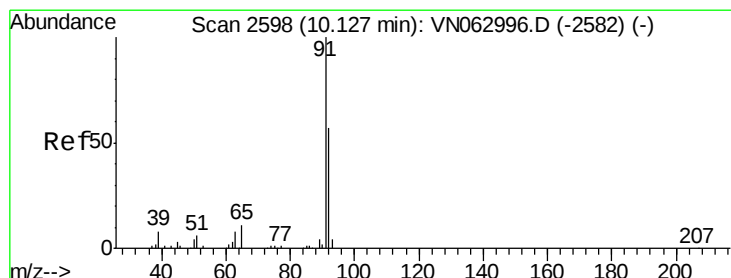
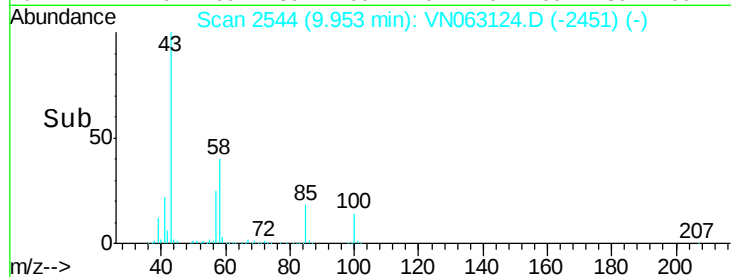
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.707 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN063124.D

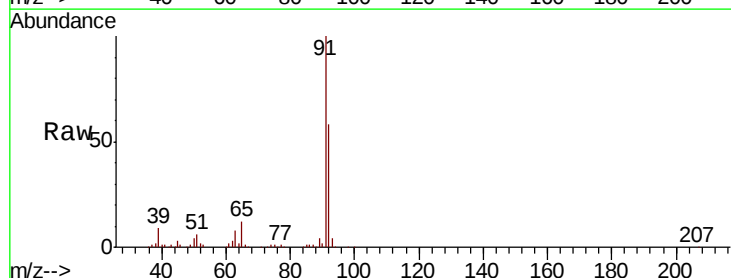
Acq: 25 Aug 2020 20:16

Tgt Ion: 92 Resp: 265059

Ion Ratio Lower Upper

92 100

91 173.4 139.2 208.8



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

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

10.13

300000

250000

200000

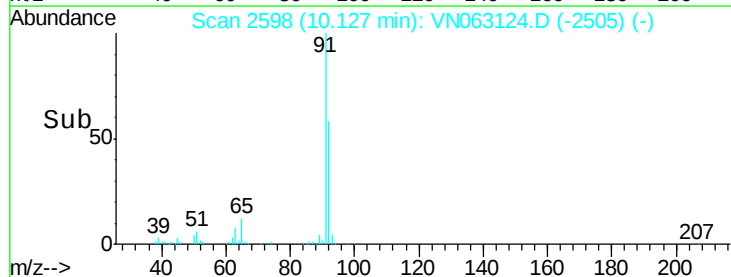
150000

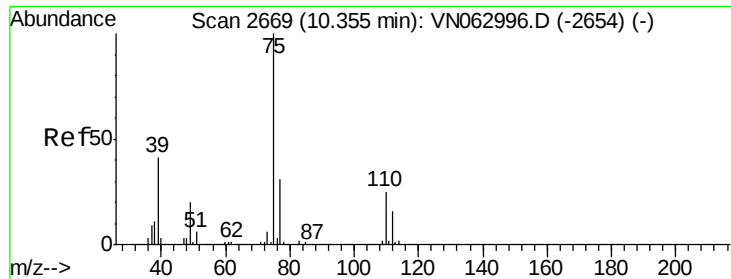
100000

50000

0

Time-->

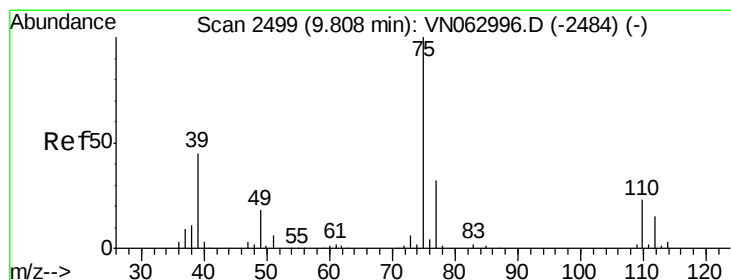
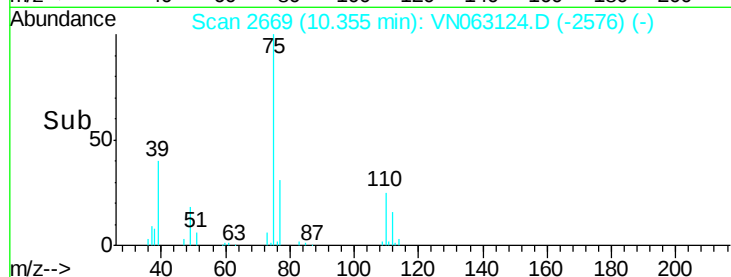
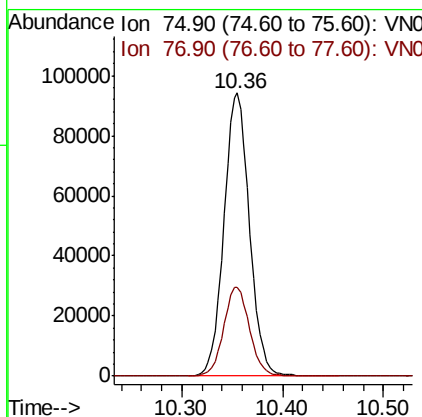
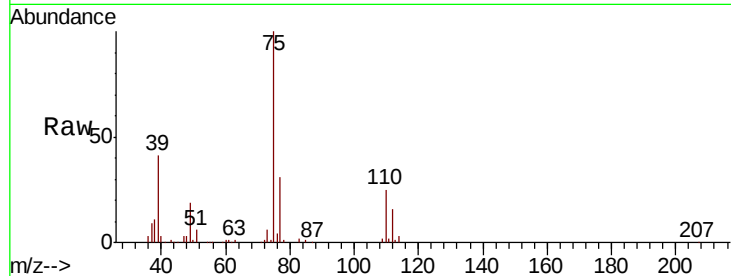




#53
t-1,3-Dichloropropene
Concen: 47.756 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

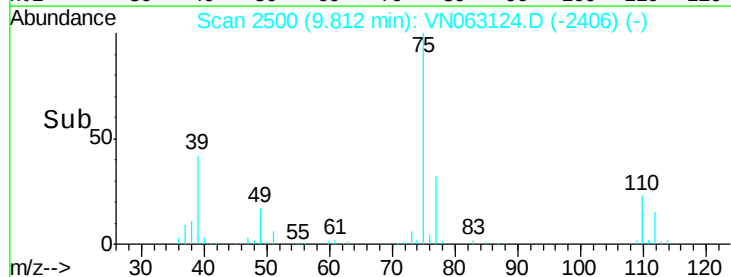
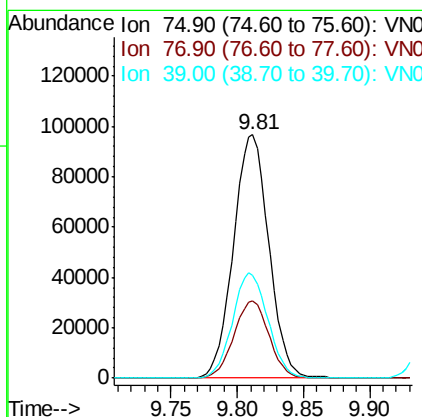
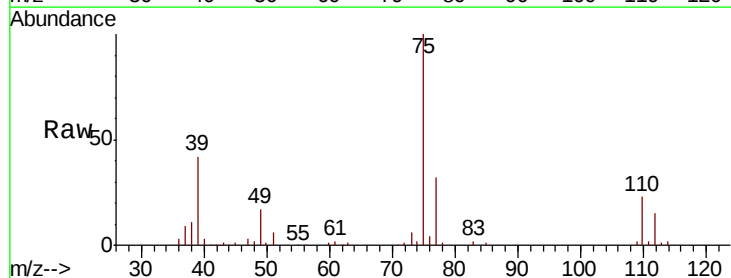
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

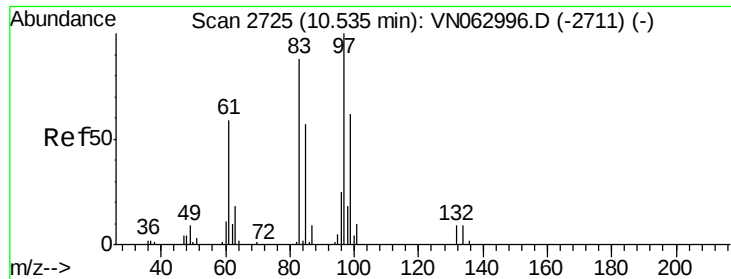
Tot Ion: 75 Resp: 166359
Ion Ratio Lower Upper
75 100
77 31.3 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 46.939 ug/l
RT: 9.81 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion: 75 Resp: 179371
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2
39 42.3 35.7 53.5

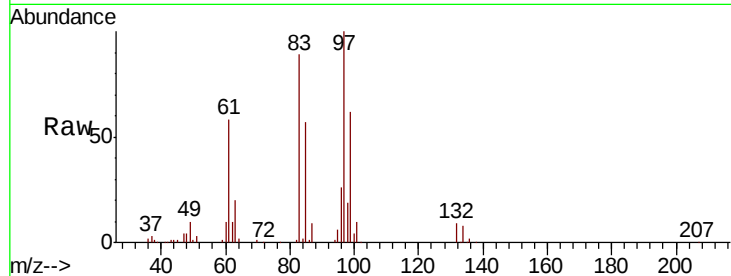




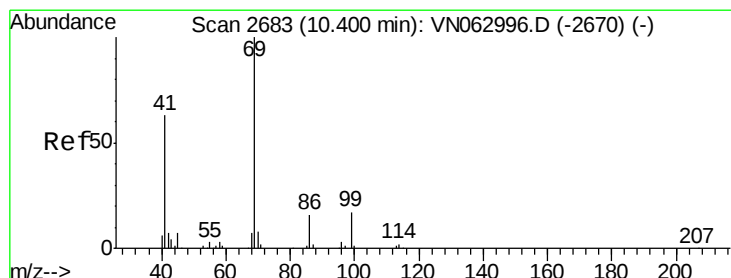
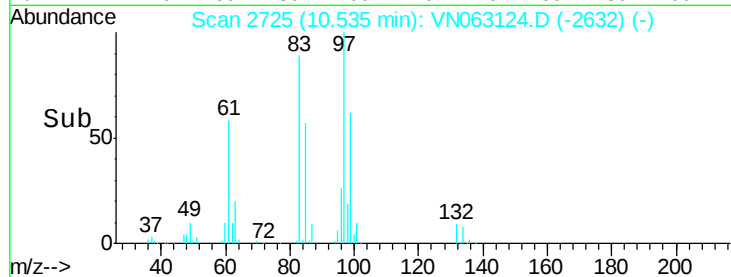
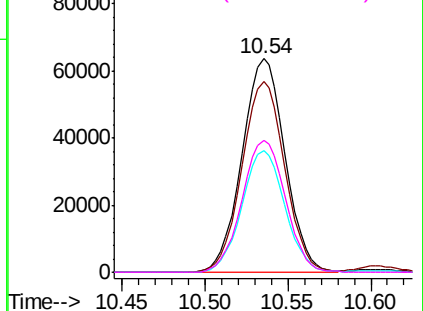
#55
 1,1,2-Trichloroethane
 Concen: 48.492 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

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

Tot Ion:	97	Resp:	115199
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.5	105.7
85	56.8	45.8	68.6
99	61.6	49.7	74.5

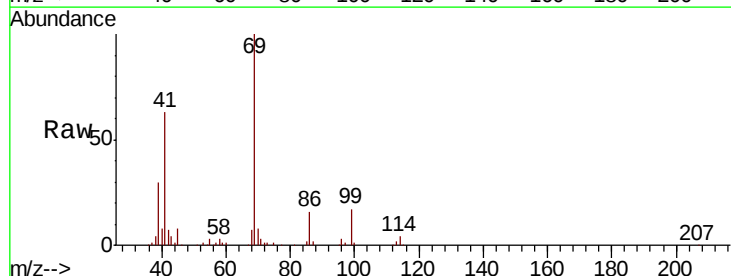


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

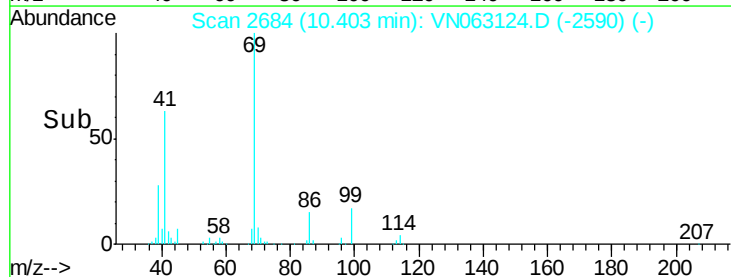
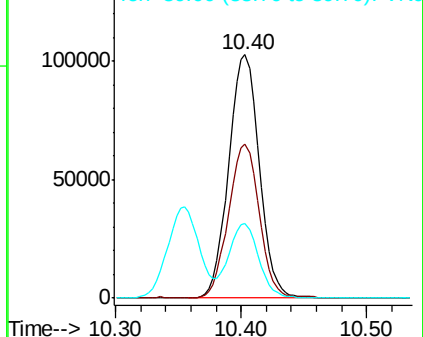


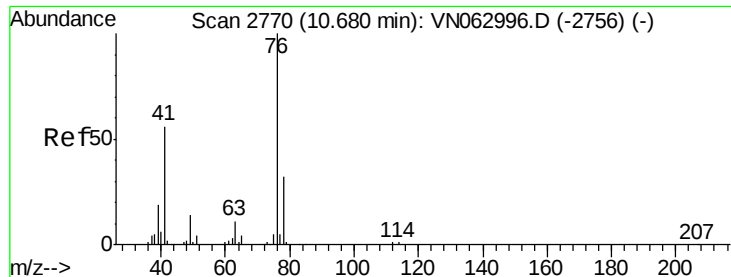
#56
 Ethyl methacrylate
 Concen: 47.597 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion:	69	Resp:	174321
Ion	Ratio	Lower	Upper
69	100		
41	62.8	50.2	75.2
39	30.4	24.2	36.4



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 48.309 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

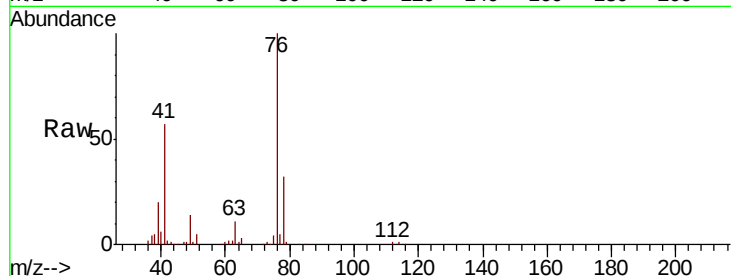
BP-VPB181-GW-498-500MSD

Tot Ion: 76 Resp: 190573

Ion Ratio Lower Upper

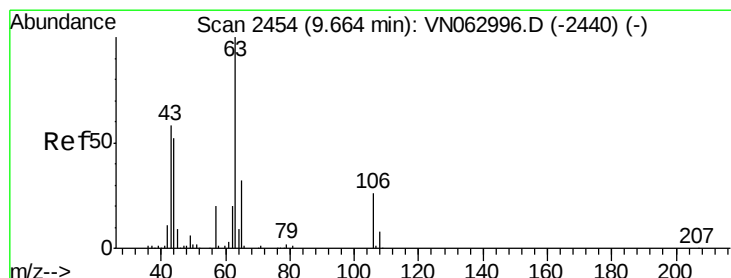
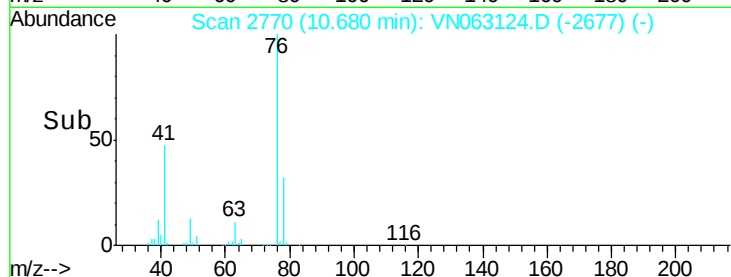
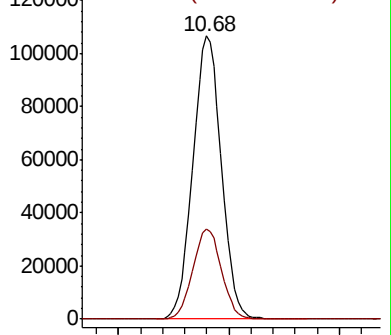
76 100

78 32.0 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 13.118 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.15 min

Lab File: VN063124.D

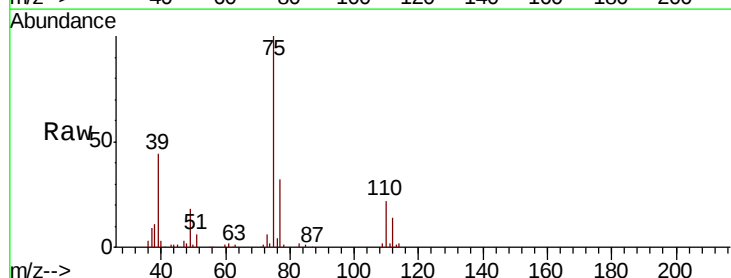
Acq: 25 Aug 2020 20:16

Tgt Ion: 63 Resp: 861

Ion Ratio Lower Upper

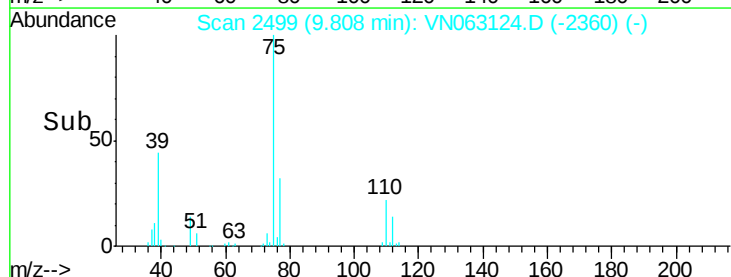
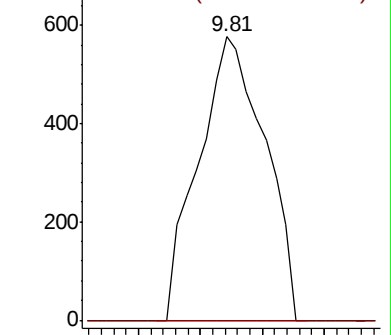
63 100

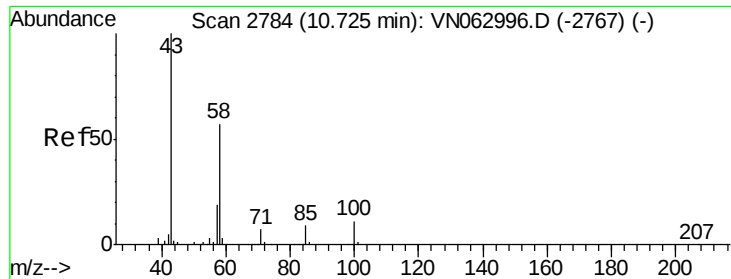
106 0.0 20.7 31.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

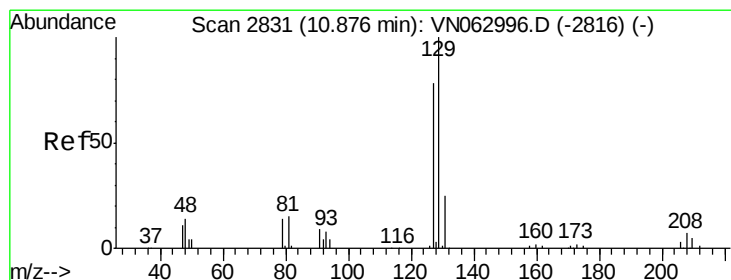
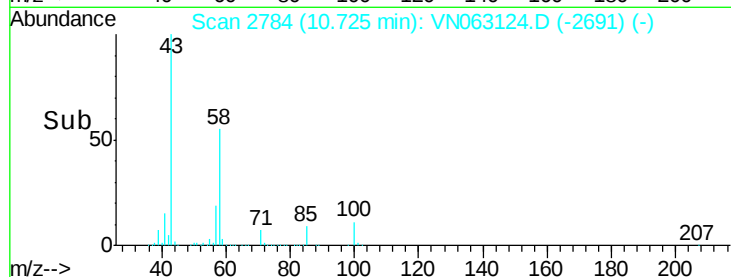
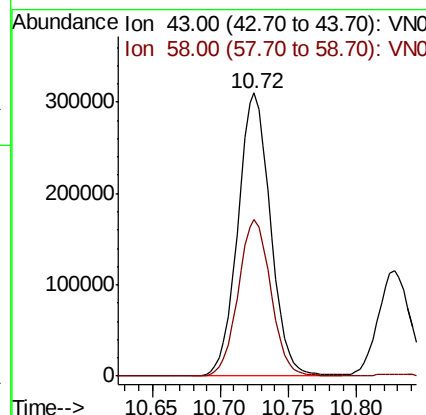
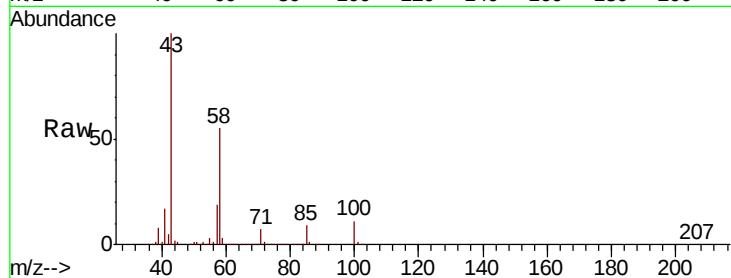




#59
2-Hexanone
Concen: 257.521 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

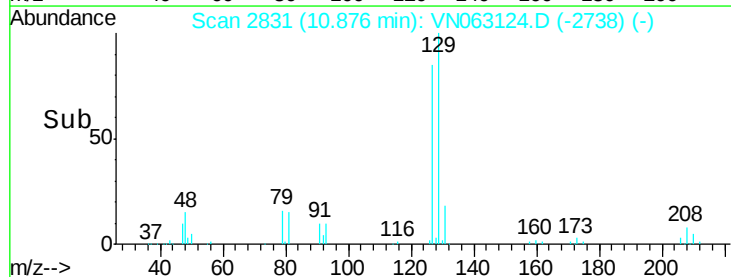
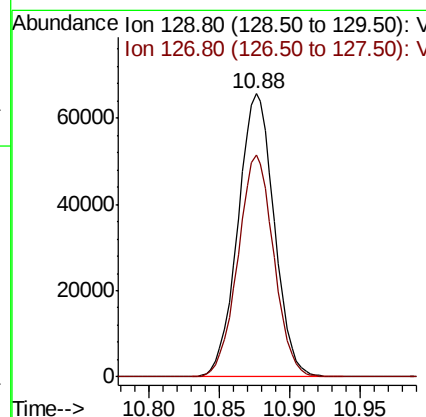
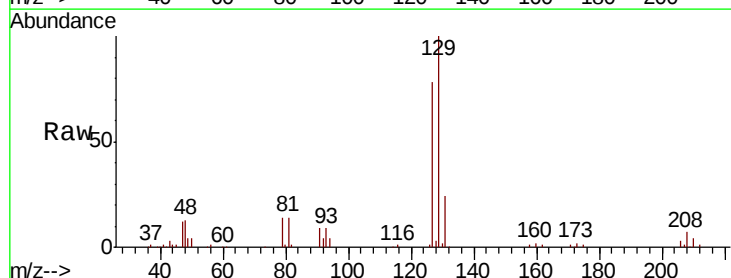
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

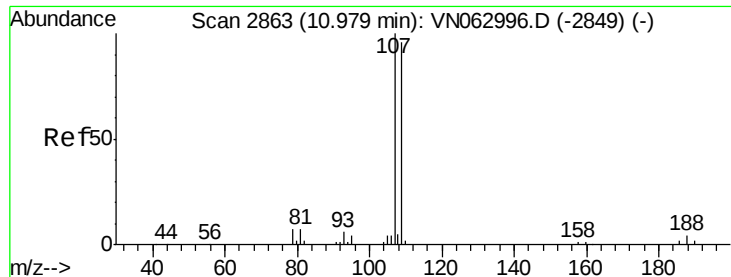
Tot Ion: 43 Resp: 511823
Ion Ratio Lower Upper
43 100
58 55.9 28.1 84.3



#60
Dibromochloromethane
Concen: 44.944 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion: 129 Resp: 118161
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.2

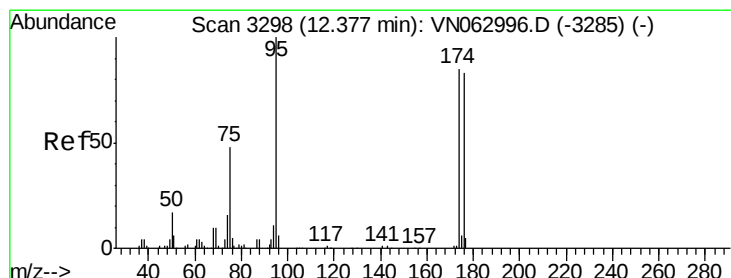
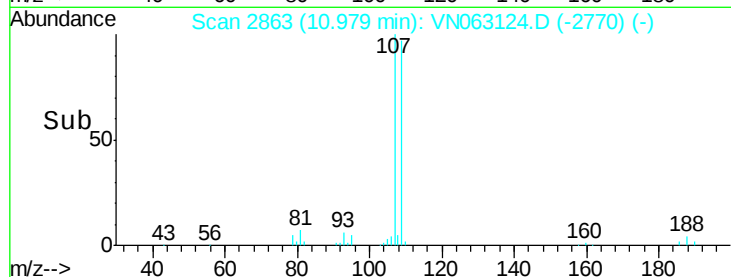
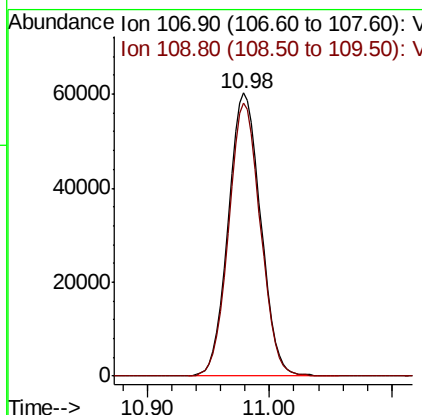
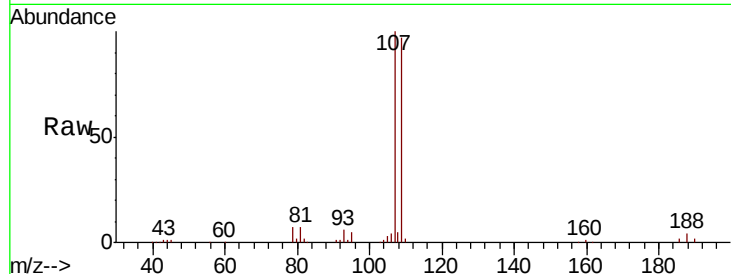




#61
 1,2-Dibromoethane
 Concen: 48.673 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

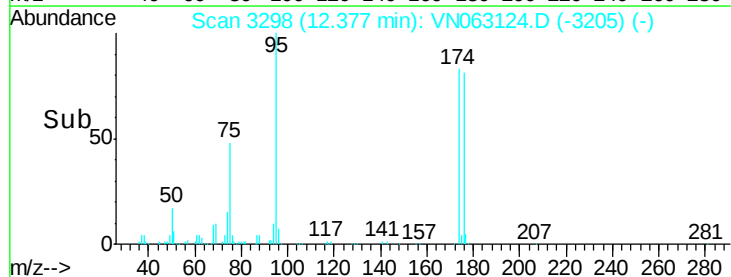
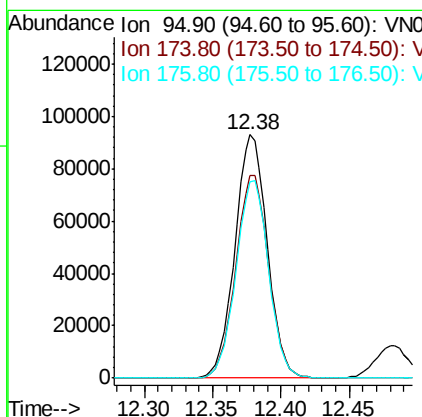
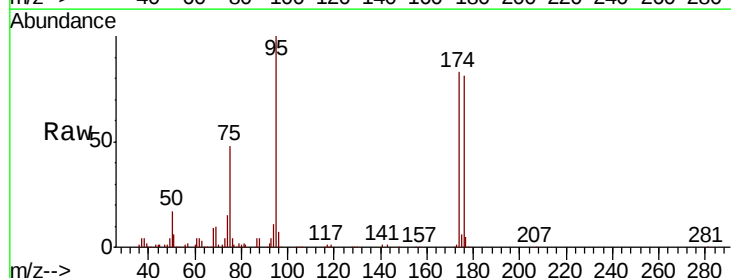
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

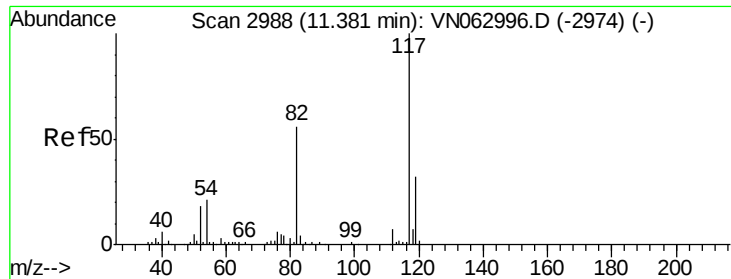
Tot Ion:107 Resp: 111104
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 52.442 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion: 95 Resp: 152624
 Ion Ratio Lower Upper
 95 100
 174 84.9 0.0 170.8
 176 81.9 0.0 164.8

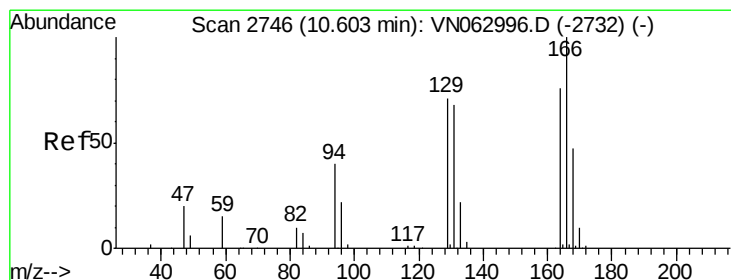
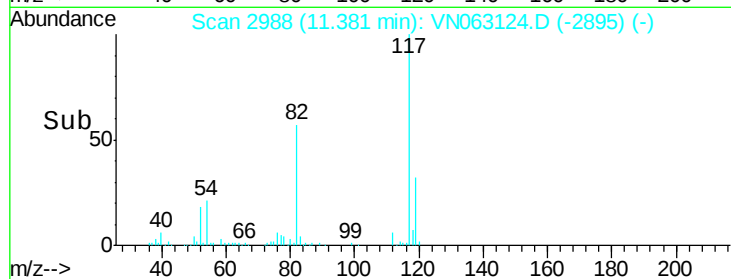
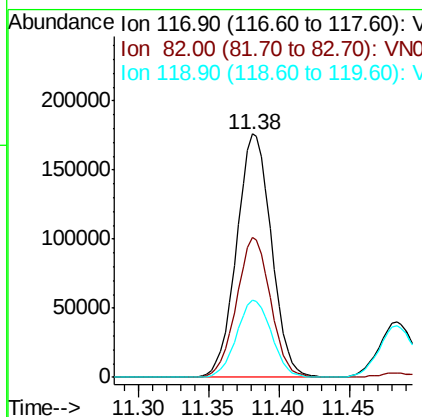
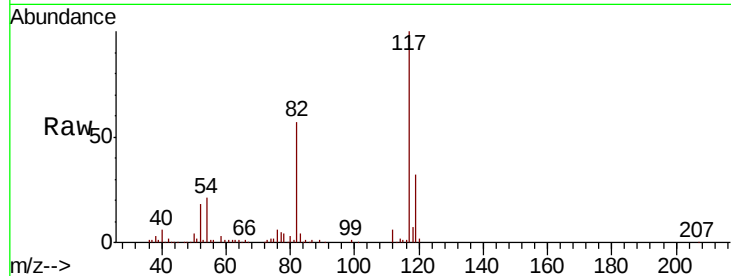




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

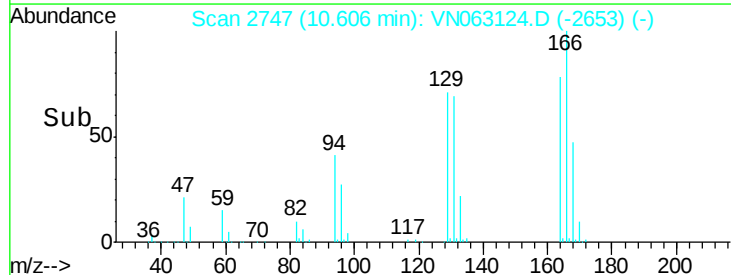
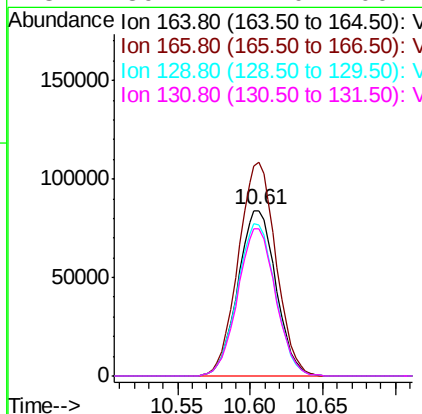
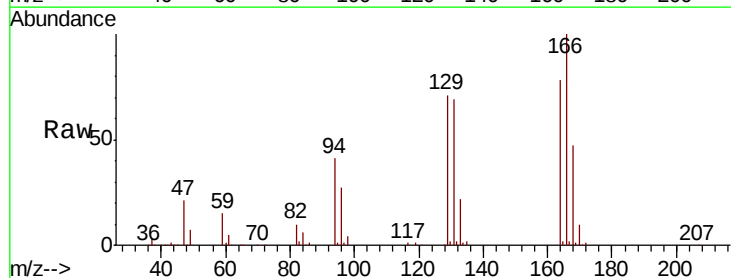
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

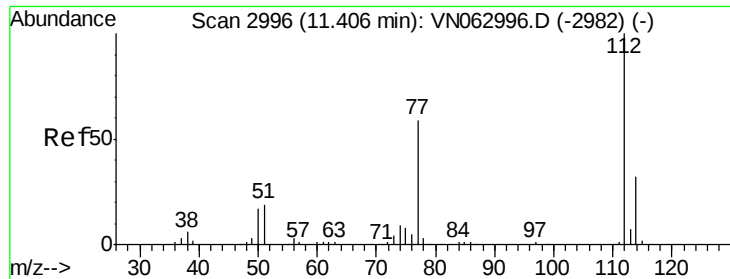
Tot Ion:117 Resp: 305210
Ion Ratio Lower Upper
117 100
82 57.4 44.5 66.7
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 76.393 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion:164 Resp: 153266
Ion Ratio Lower Upper
164 100
166 129.0 105.0 157.6
129 91.6 74.7 112.1
131 89.2 71.0 106.4

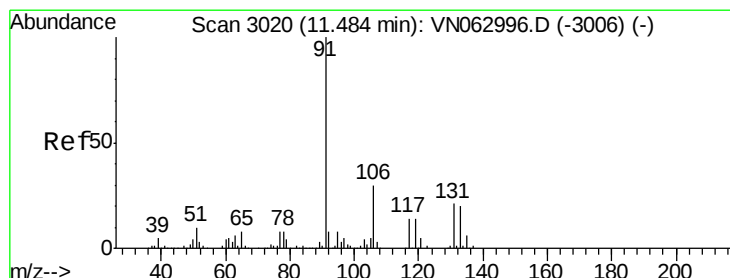
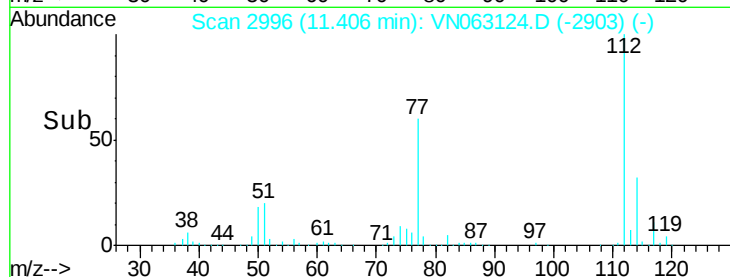
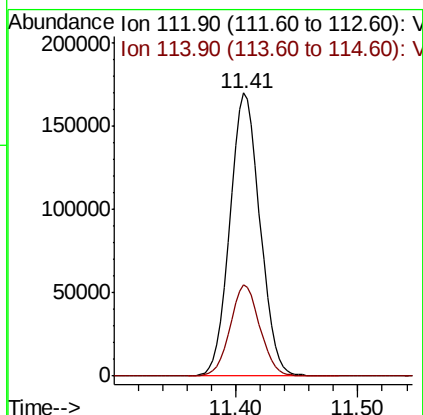
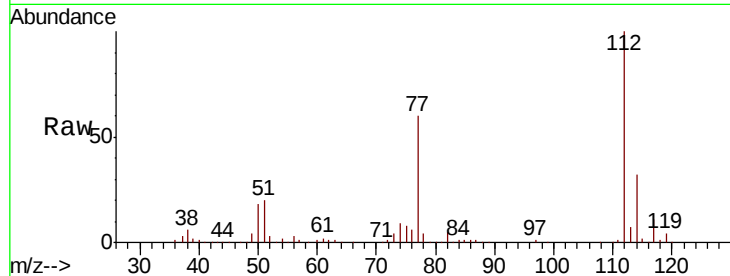




#65
Chlorobenzene
Concen: 47.759 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

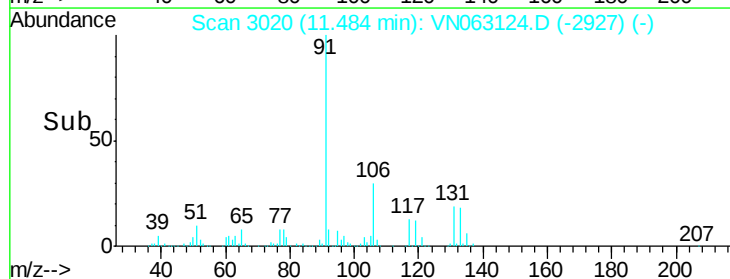
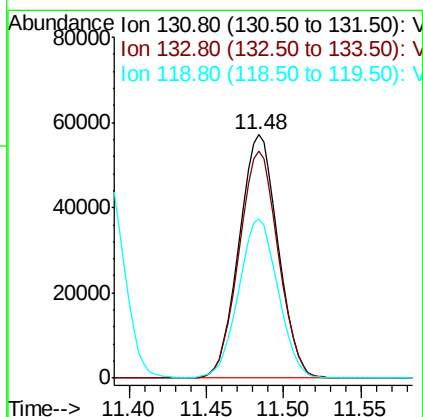
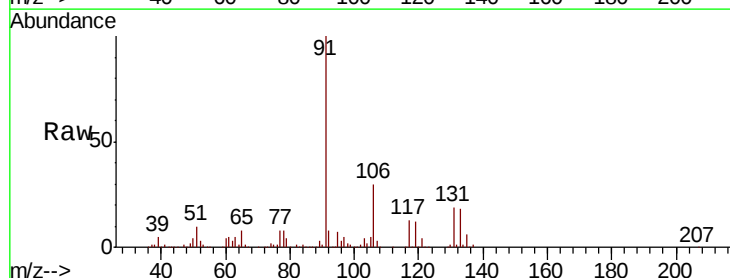
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

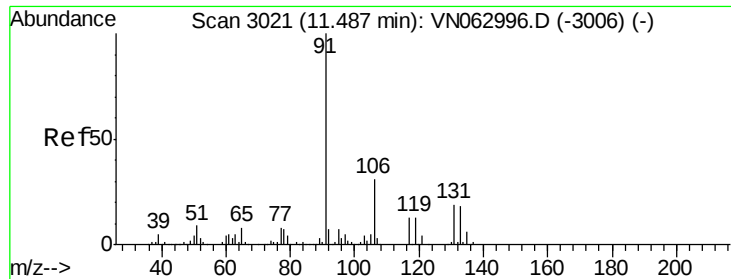
Tot Ion:112 Resp: 292752
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 41.957 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion:131 Resp: 100034
Ion Ratio Lower Upper
131 100
133 94.3 47.5 142.6
119 65.9 33.1 99.3

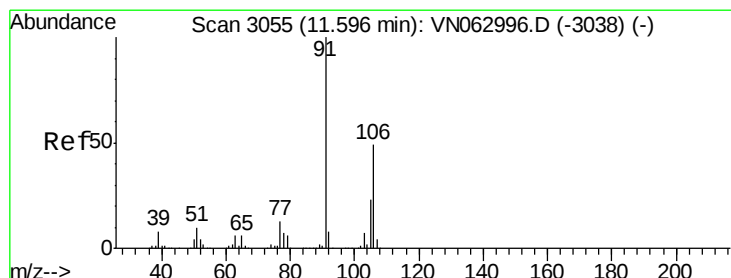
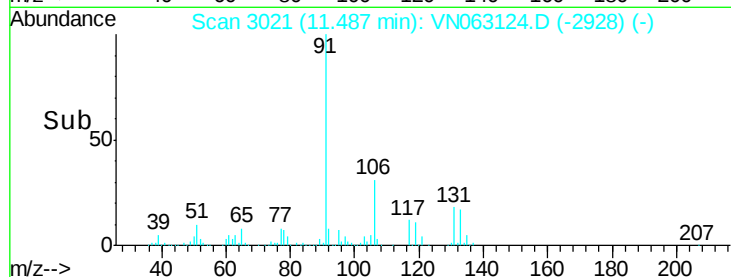
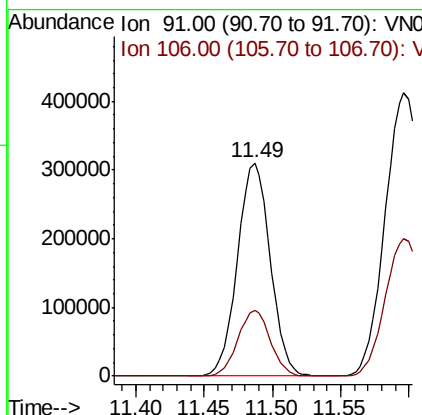
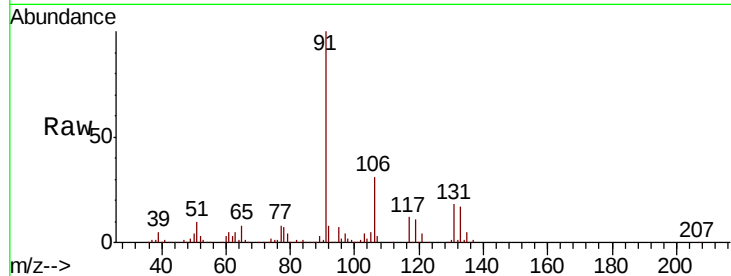




#67
Ethyl Benzene
Concen: 50.044 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

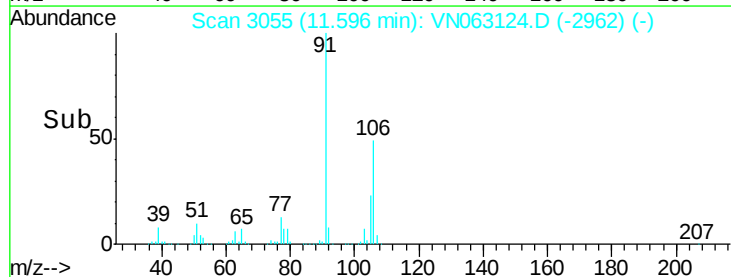
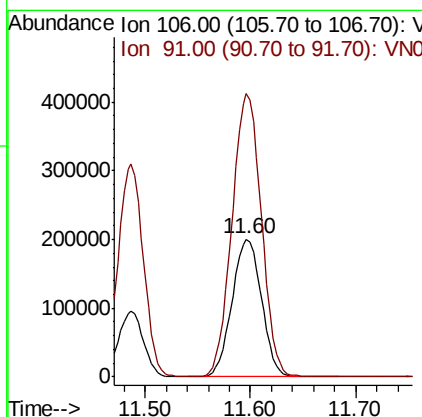
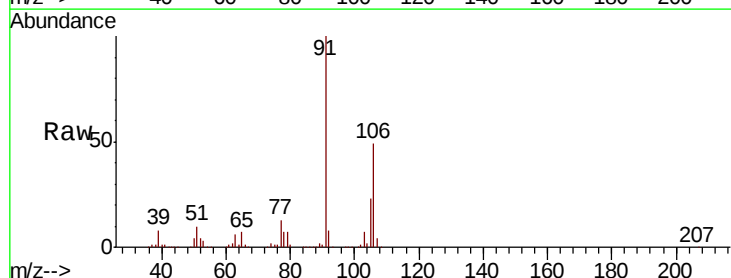
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

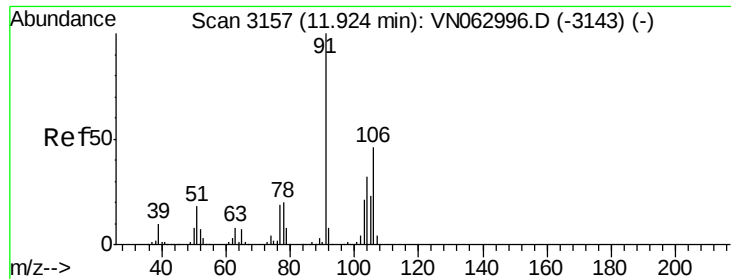
Tot Ion: 91 Resp: 518332
Ion Ratio Lower Upper
91 100
106 30.9 24.6 37.0



#68
m/p-Xylenes
Concen: 100.763 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion: 106 Resp: 387890
Ion Ratio Lower Upper
106 100
91 205.0 163.0 244.4

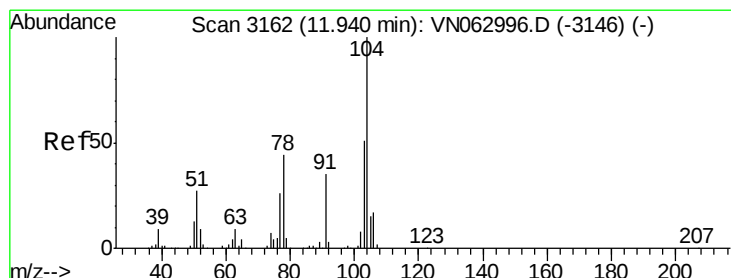
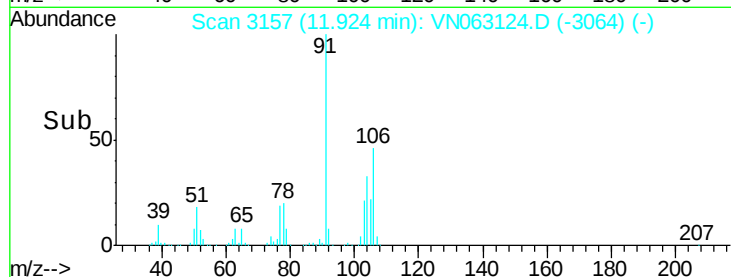
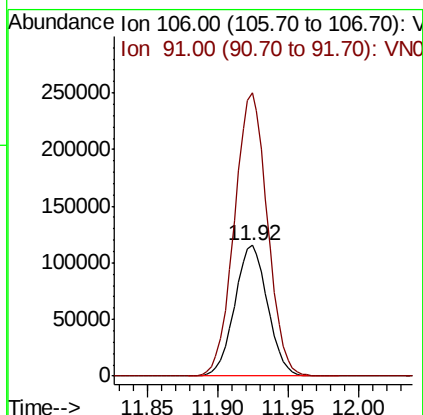
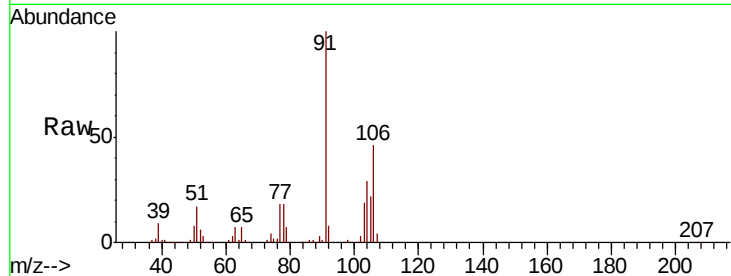




#69
o-Xylene
Concen: 51.314 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

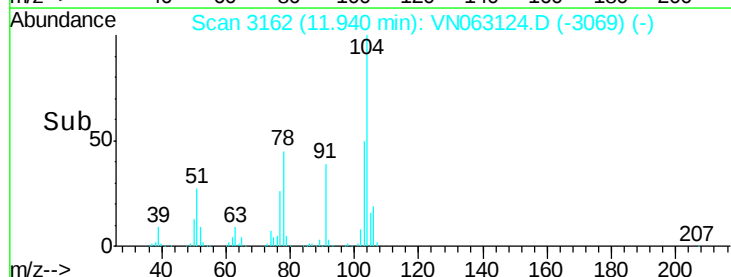
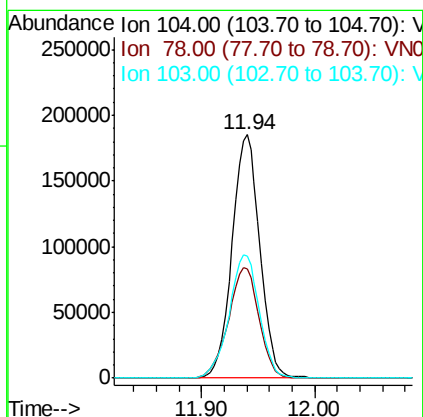
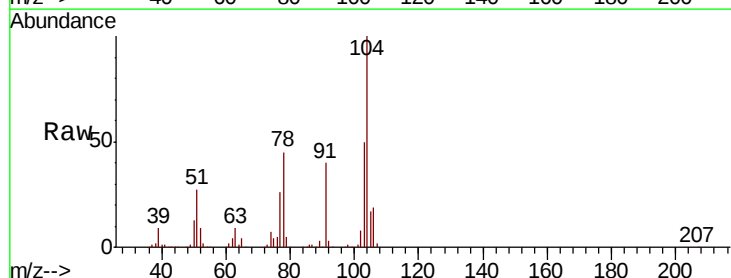
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

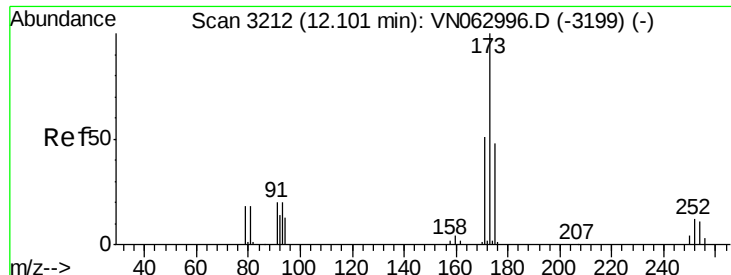
Tot Ion:106 Resp: 189689
Ion Ratio Lower Upper
106 100
91 216.7 107.3 321.9



#70
Styrene
Concen: 43.302 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion:104 Resp: 315687
Ion Ratio Lower Upper
104 100
78 50.3 39.0 58.6
103 55.3 44.3 66.5





#71

Bromoform

Concen: 37.538 ug/l

RT: 12.10 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

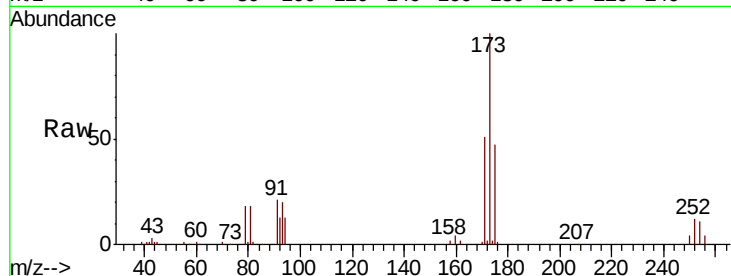
Tot Ion:173 Resp: 71237

Ion Ratio Lower Upper

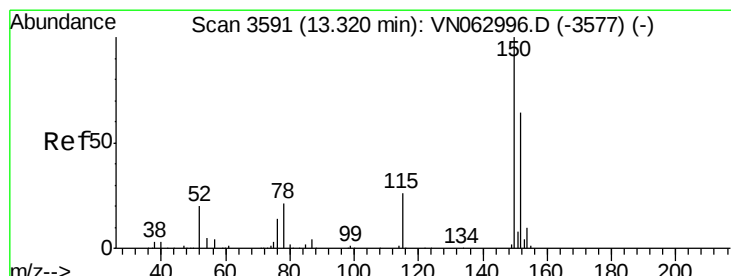
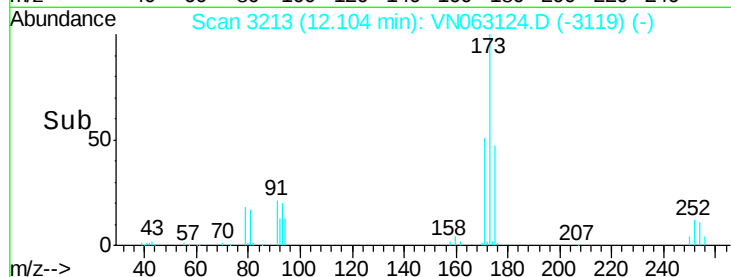
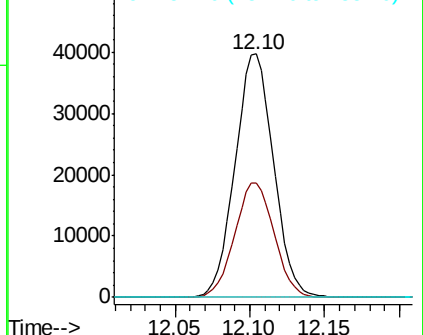
173 100

175 48.1 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: VN063124.D

Acq: 25 Aug 2020 20:16

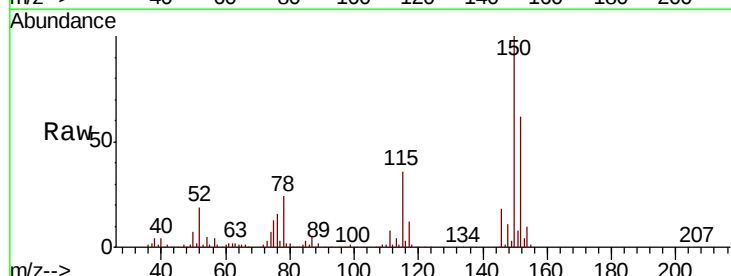
Tgt Ion:152 Resp: 152115

Ion Ratio Lower Upper

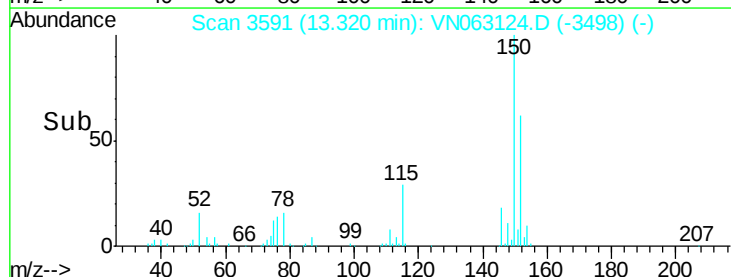
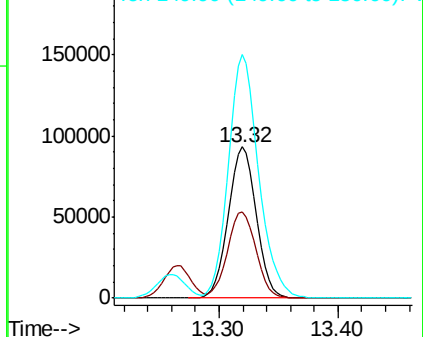
152 100

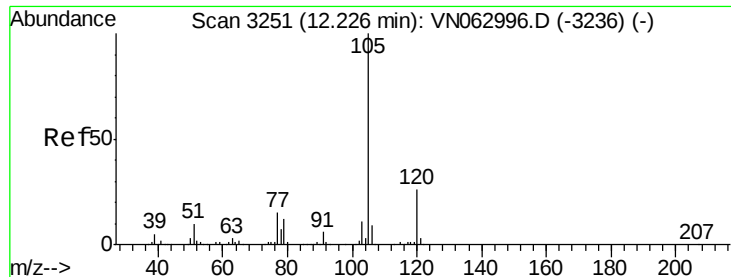
115 58.2 28.7 86.3

150 173.1 0.0 348.8



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





#73

Isopropylbenzene

Concen: 48.349 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

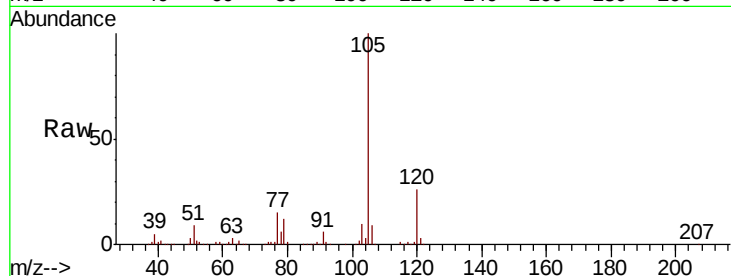
BP-VPB181-GW-498-500MSD

Tot Ion:105 Resp: 503640

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.23

300000

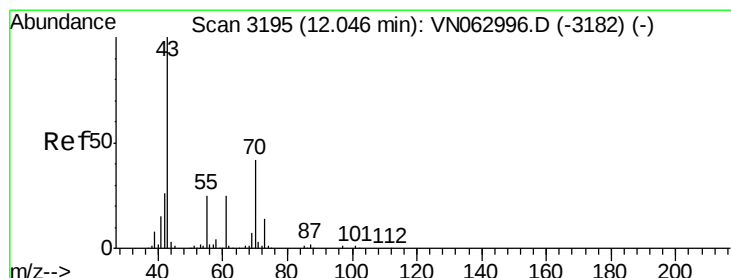
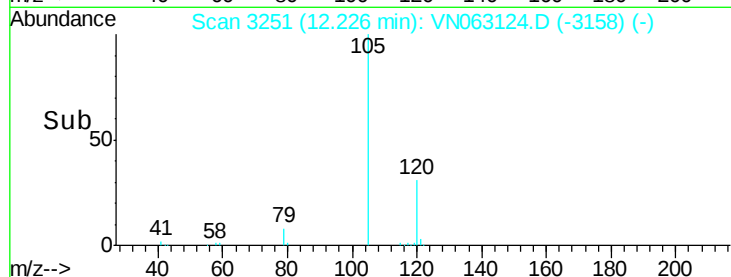
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 54.514 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Tgt Ion: 43 Resp: 203381

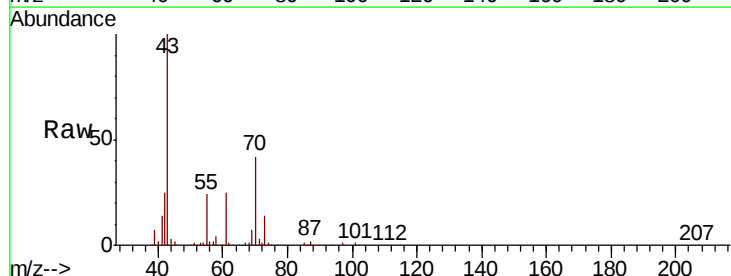
Ion Ratio Lower Upper

43 100

70 41.6 33.4 50.0

55 24.4 20.2 30.2

61 24.7 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

150000

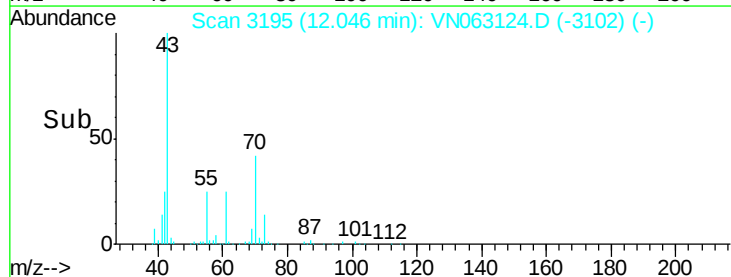
100000

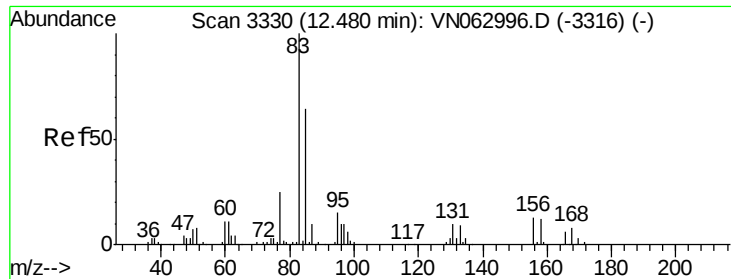
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 42.358 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

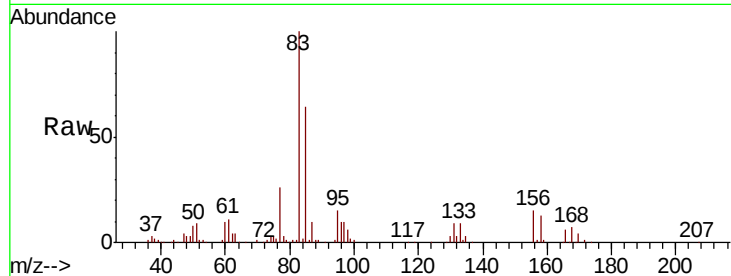
Tot Ion: 83 Resp: 143247

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

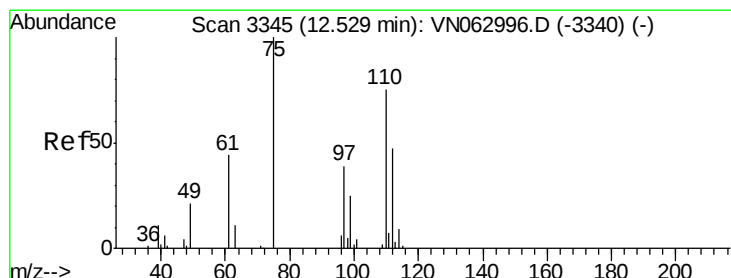
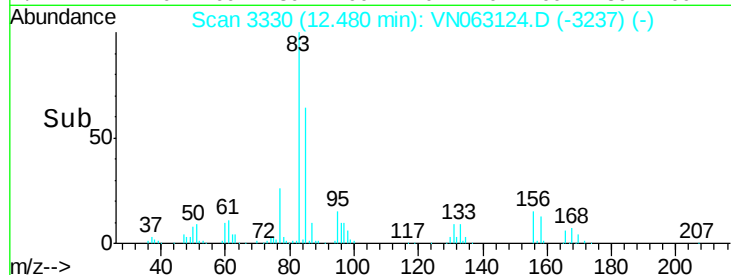
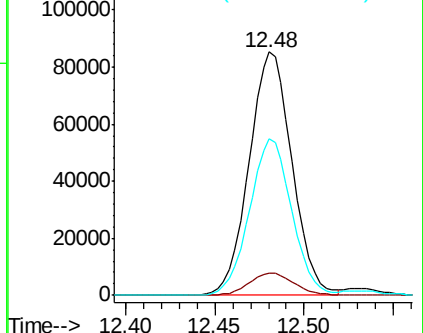
85 63.3 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 70.371 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063124.D

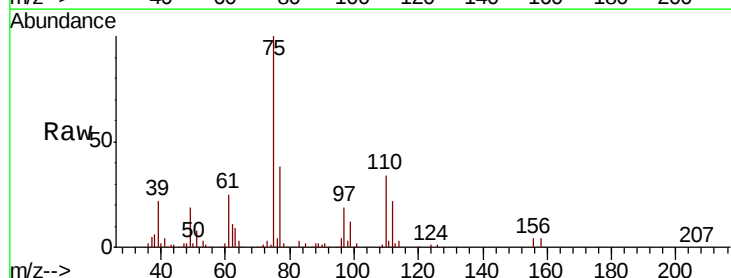
Acq: 25 Aug 2020 20:16

Tgt Ion: 75 Resp: 208072

Ion Ratio Lower Upper

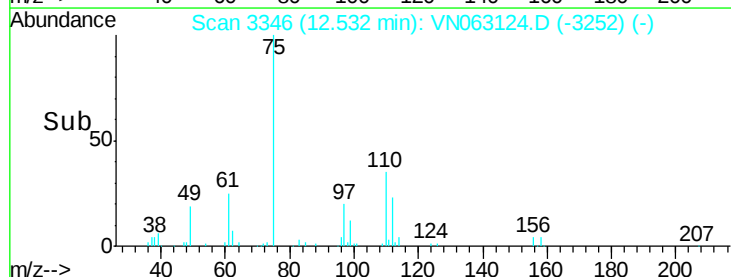
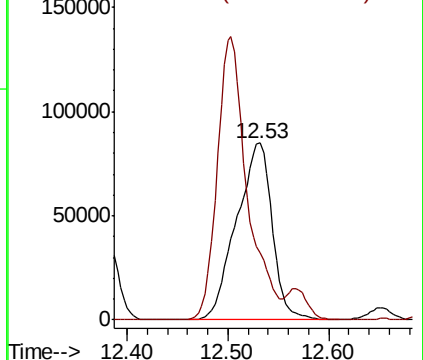
75 100

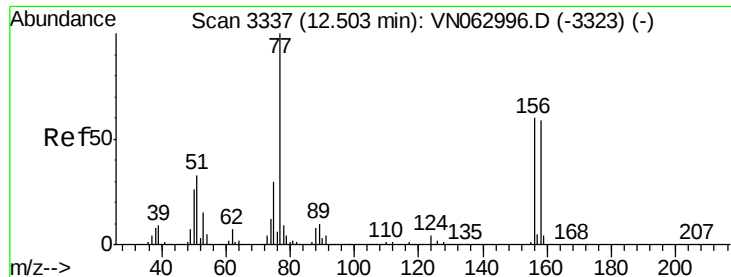
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.516 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

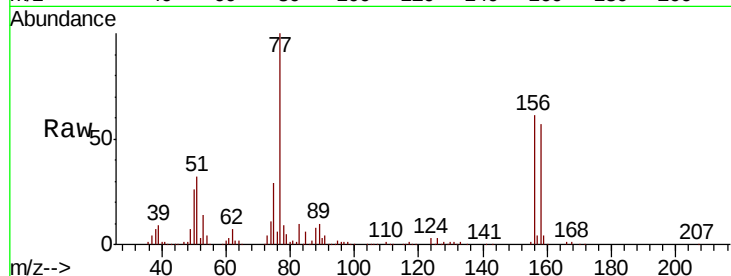
Tot Ion:156 Resp: 138994

Ion Ratio Lower Upper

156 100

77 203.3 101.0 302.9

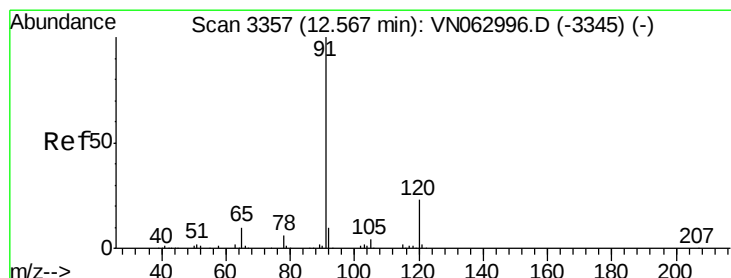
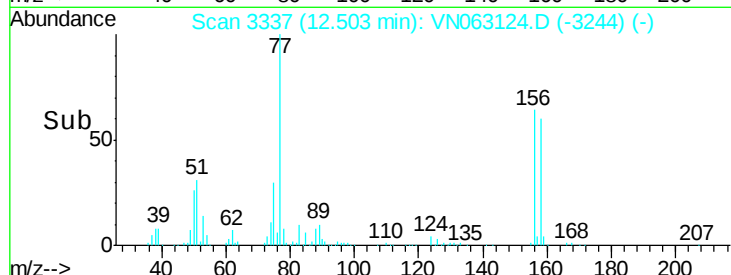
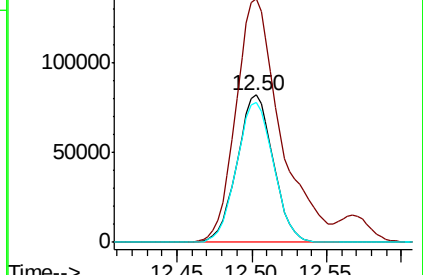
158 96.8 49.4 148.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.013 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN063124.D

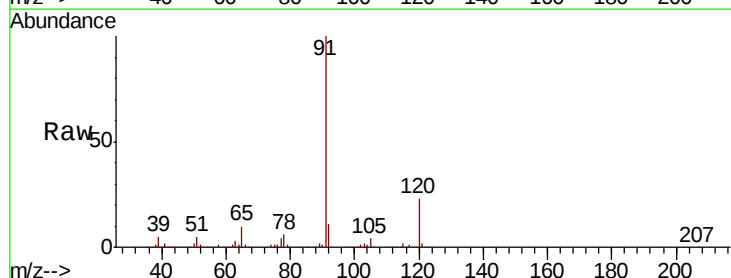
Acq: 25 Aug 2020 20:16

Tgt Ion: 91 Resp: 581948

Ion Ratio Lower Upper

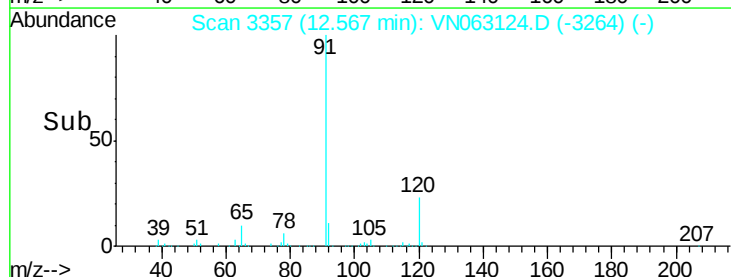
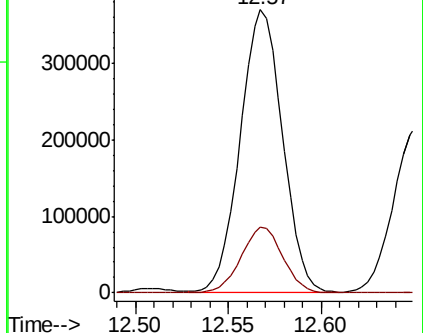
91 100

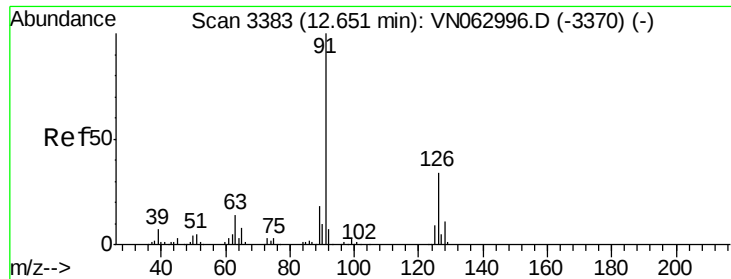
120 23.0 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

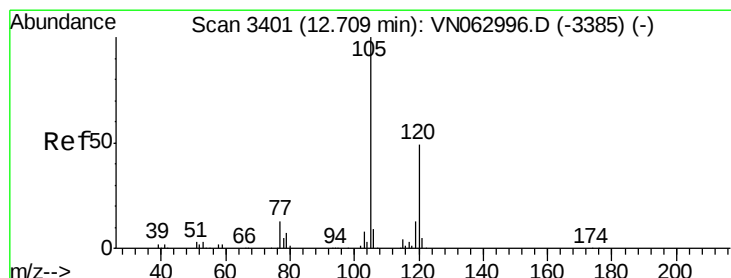
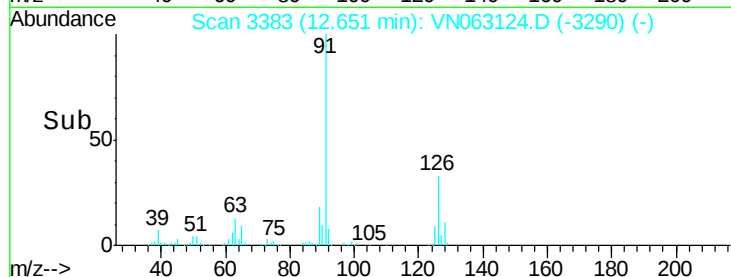
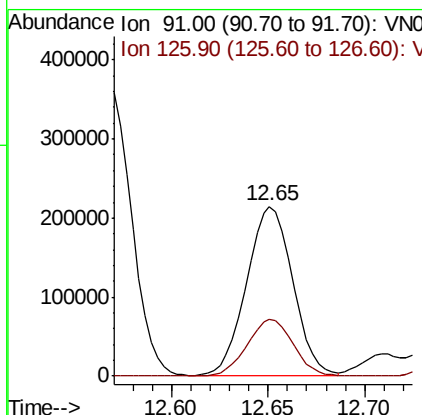
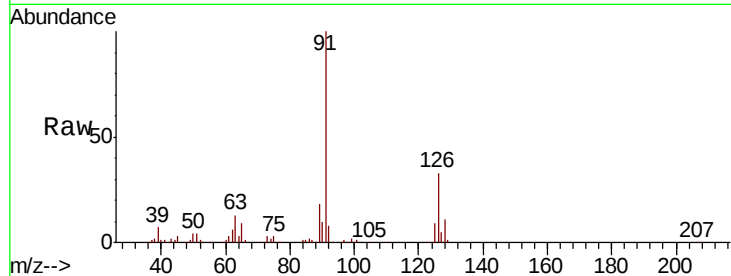




#79
 2-Chlorotoluene
 Concen: 47.507 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

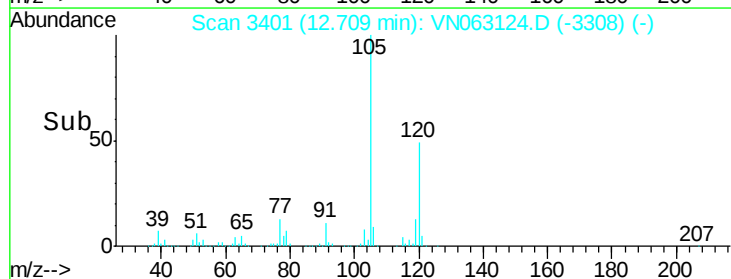
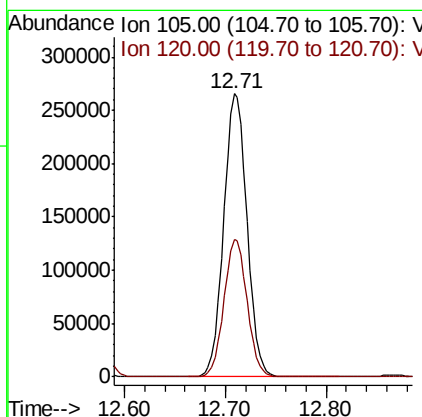
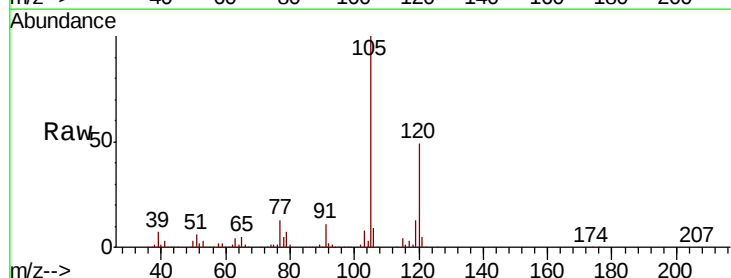
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

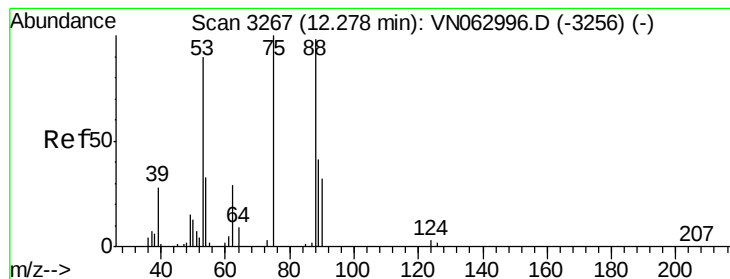
Tot Ion: 91 Resp: 354793
 Ion Ratio Lower Upper
 91 100
 126 33.8 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 49.811 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion: 105 Resp: 428930
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 45.809 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

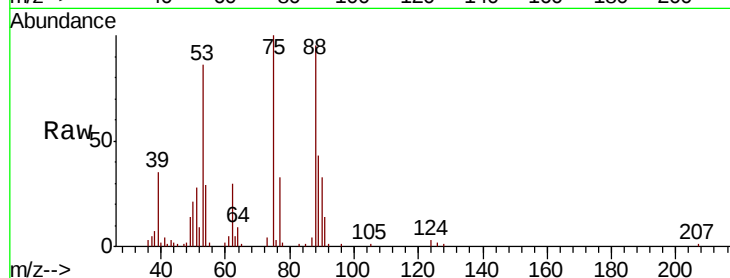
Tot Ion: 75 Resp: 49317

Ion Ratio Lower Upper

75 100

53 85.7 69.2 103.8

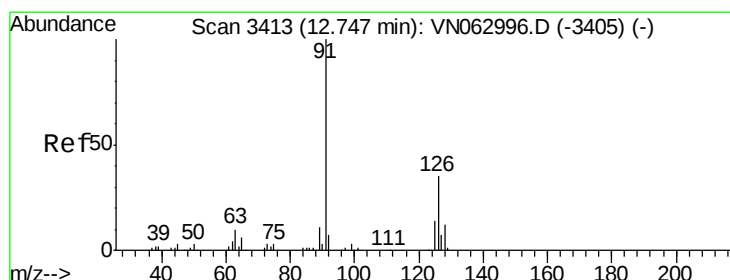
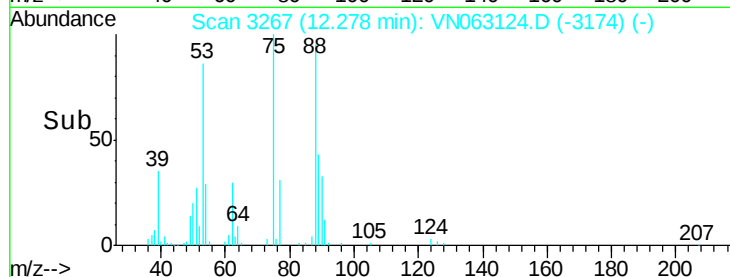
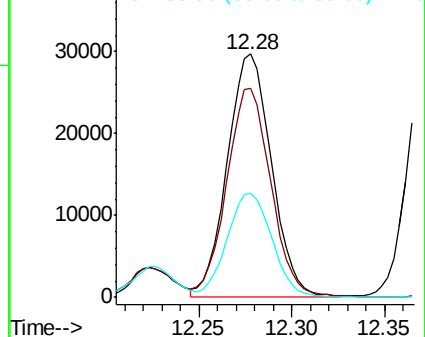
89 43.3 34.2 51.4



Abundance Ion 74.90 (74.60 to 75.60): VN063124.D (-3174) (-)

Ion 53.00 (52.70 to 53.70): VN063124.D (-3174) (-)

Ion 88.90 (88.60 to 89.60): VN063124.D (-3174) (-)



#82

4-Chlorotoluene

Concen: 48.862 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN063124.D

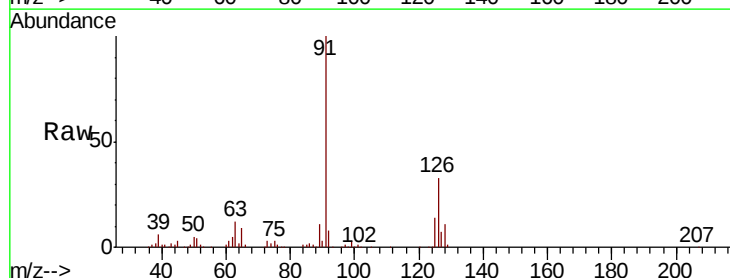
Acq: 25 Aug 2020 20:16

Tgt Ion: 91 Resp: 371574

Ion Ratio Lower Upper

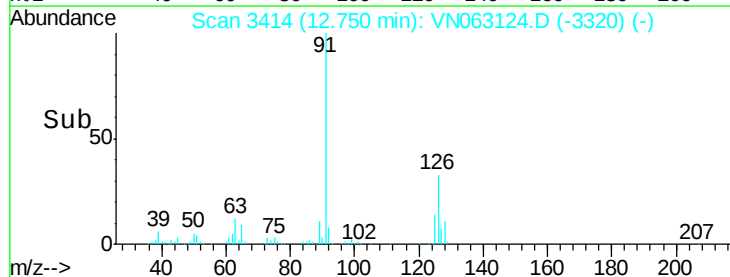
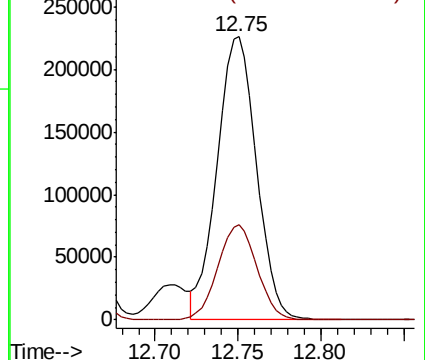
91 100

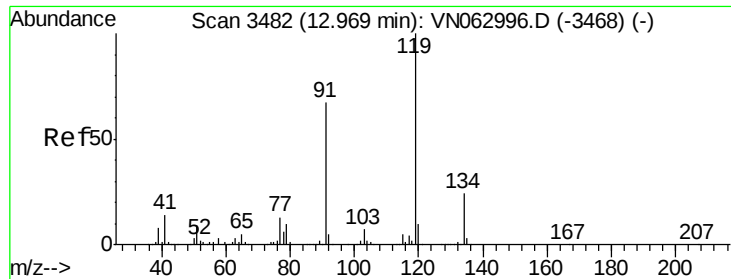
126 33.6 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VN063124.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN063124.D (-3320) (-)

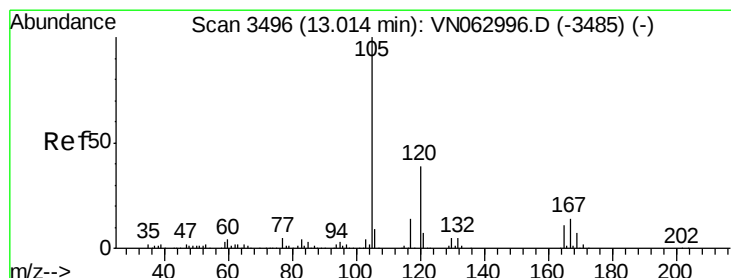
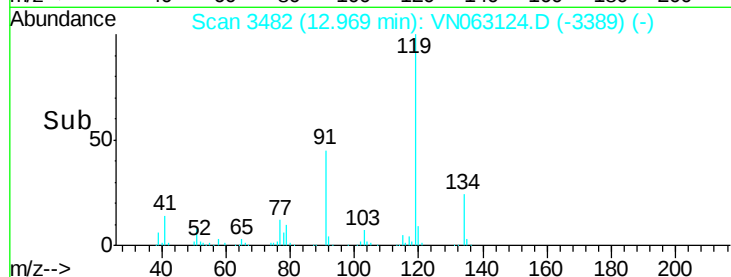
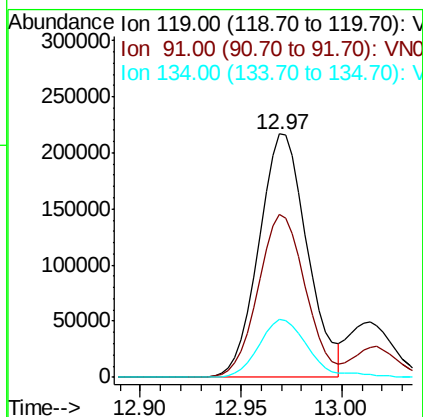
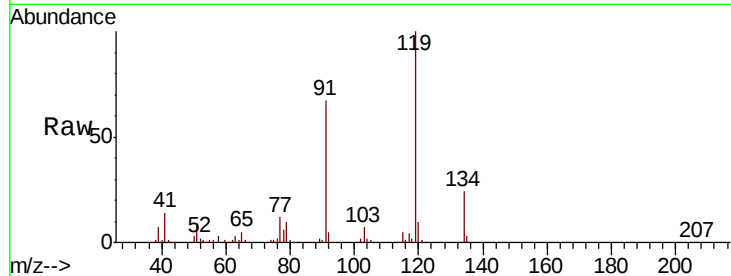




#83
tert-Butylbenzene
Concen: 48.644 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

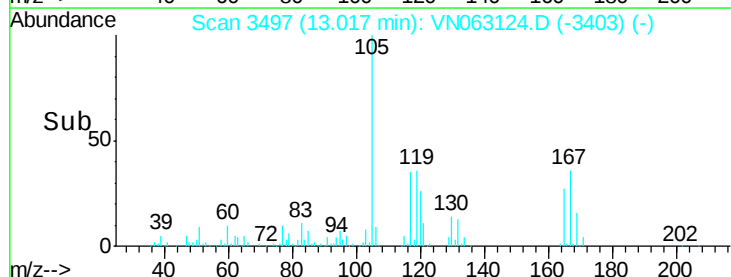
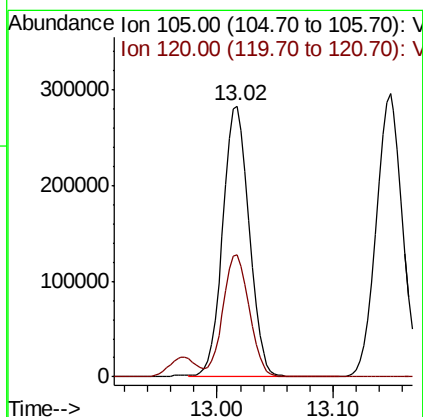
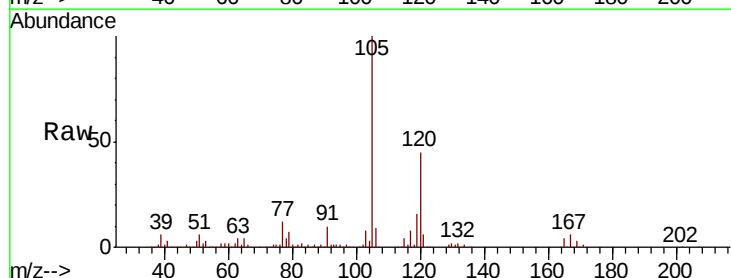
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

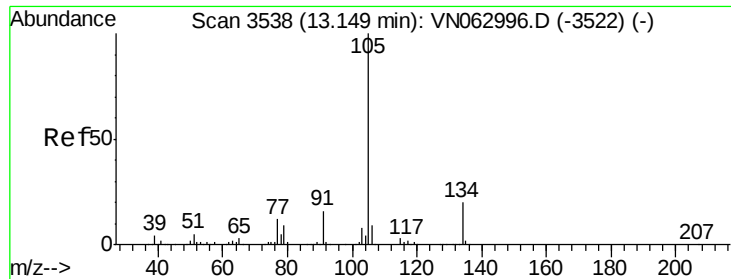
Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.5	97.4
134	24.4	13.1	39.3



#84
1,2,4-Trimethylbenzene
Concen: 52.850 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.5	67.5





#85

sec-Butylbenzene

Concen: 46.480 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

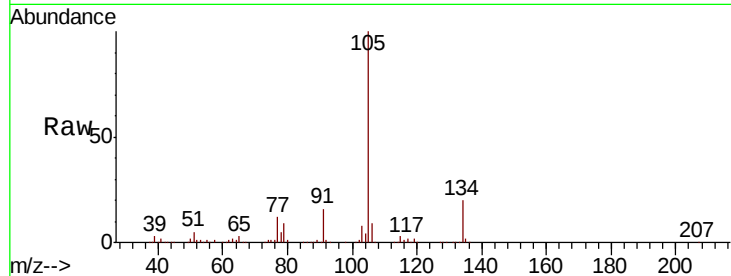
BP-VPB181-GW-498-500MSD

Tot Ion:105 Resp: 466876

Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

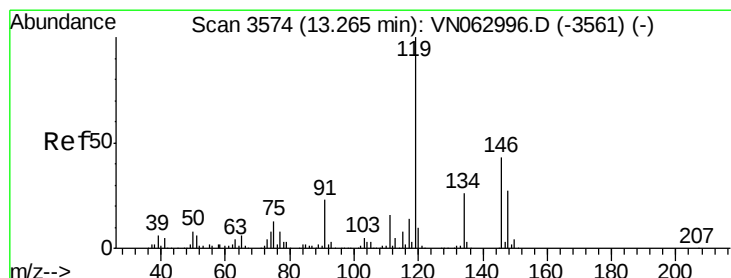
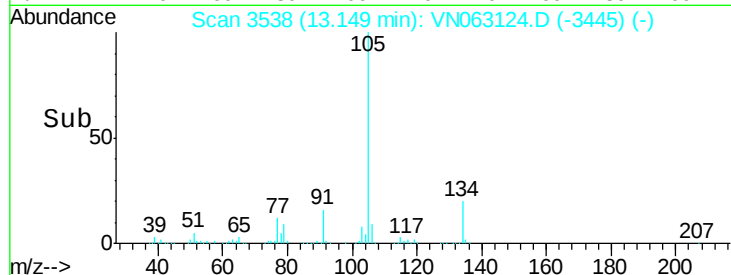
300000

200000

100000

0

Time--> 13.05 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 49.157 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

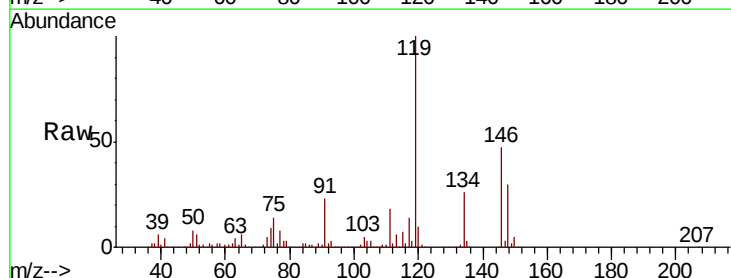
Tgt Ion:119 Resp: 430228

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 23.4 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

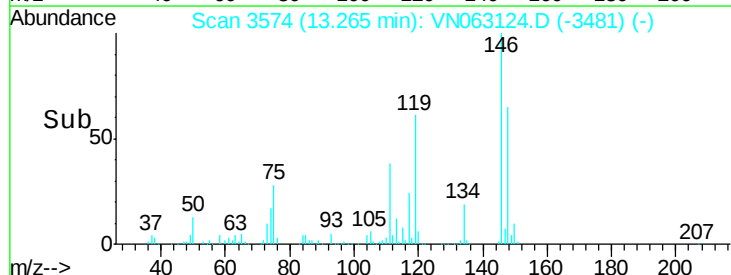
300000

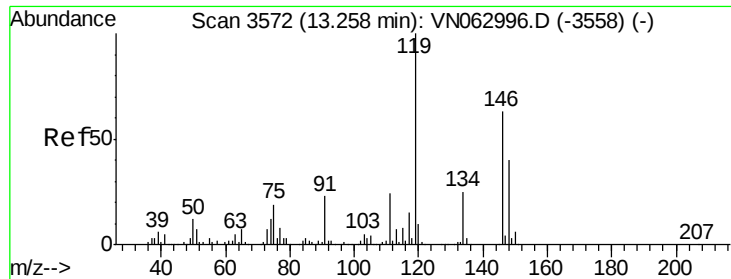
200000

100000

0

Time--> 13.20 13.25 13.30 13.35

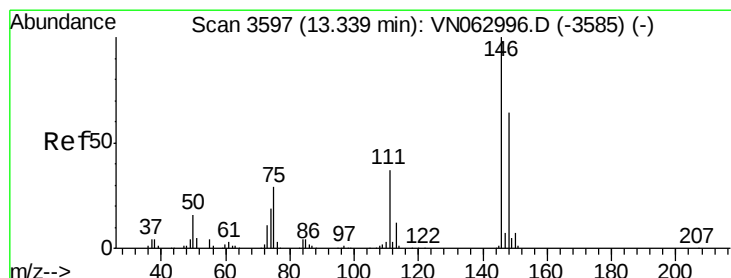
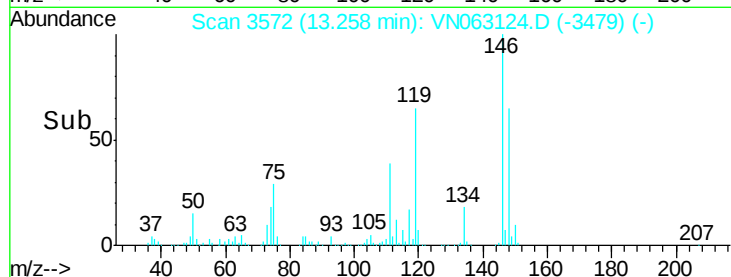
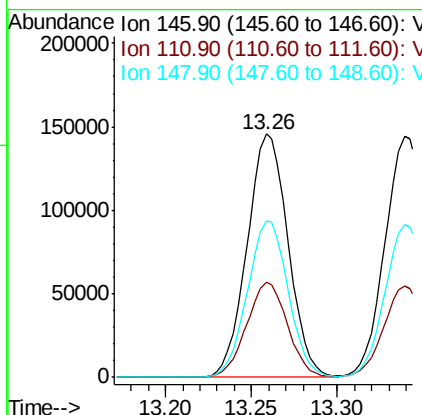
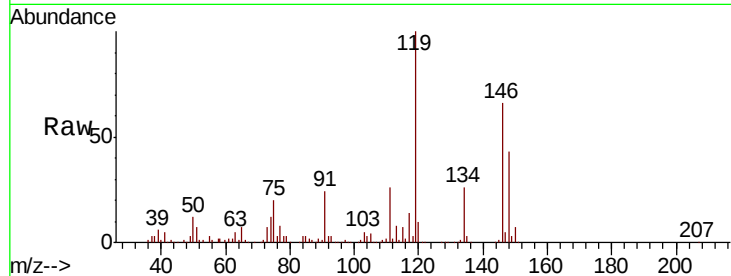




#87
 1,3-Dichlorobenzene
 Concen: 48.759 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

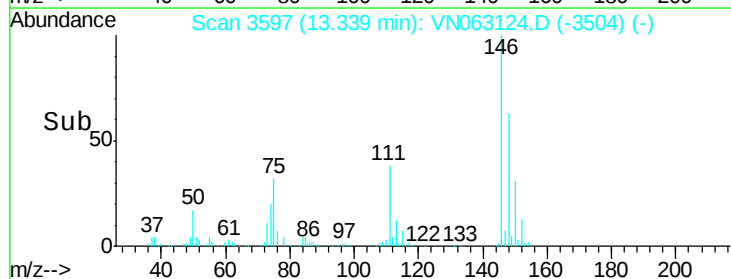
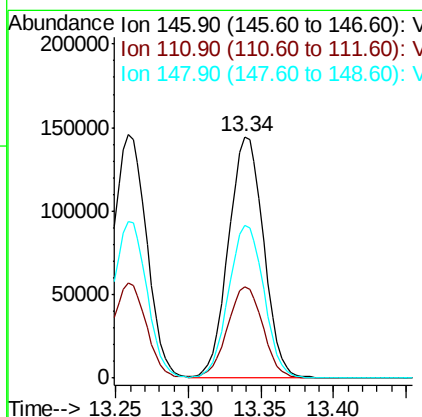
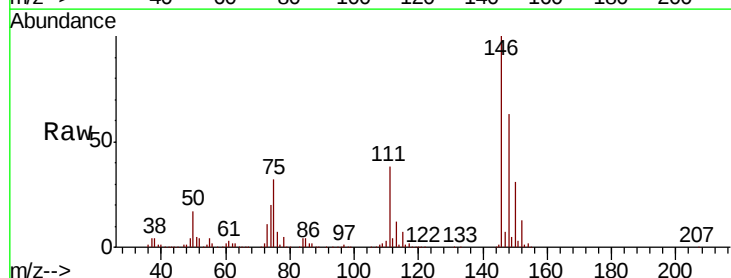
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

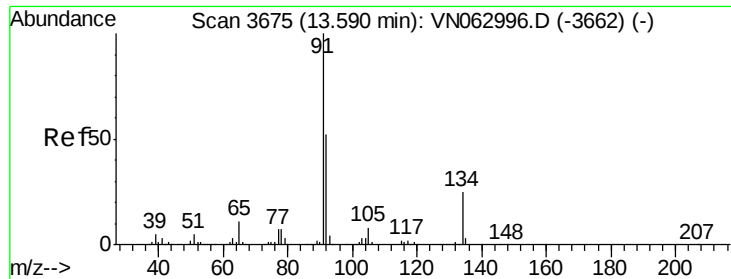
Tot Ion:146 Resp: 240070
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.4 58.1
 148 64.4 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 48.617 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion:146 Resp: 242959
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.8 56.4
 148 64.1 32.4 97.0

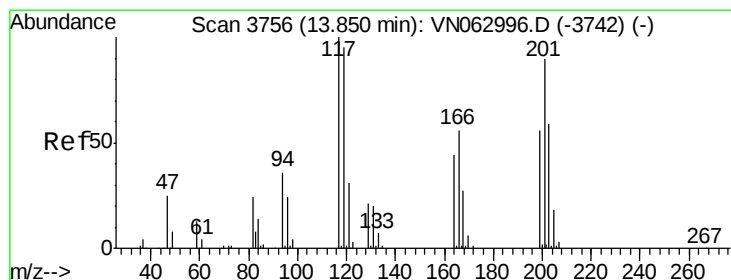
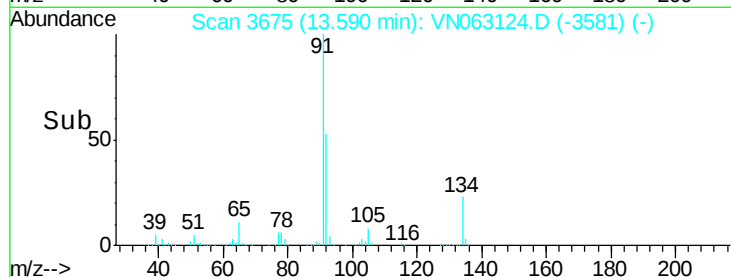
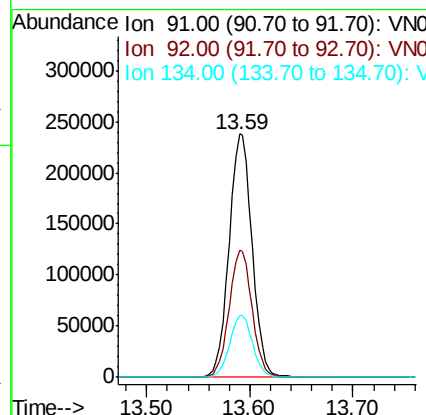
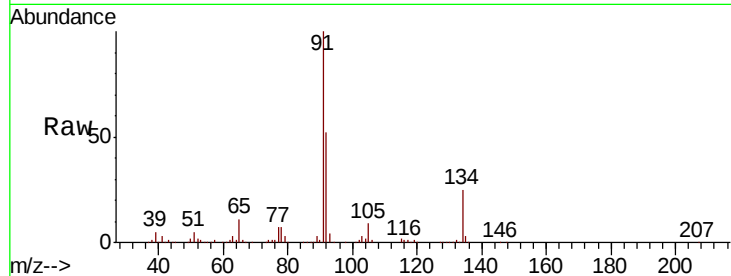




#89
n-Butylbenzene
Concen: 44.951 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

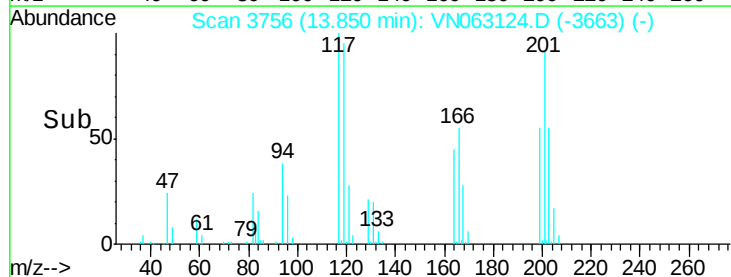
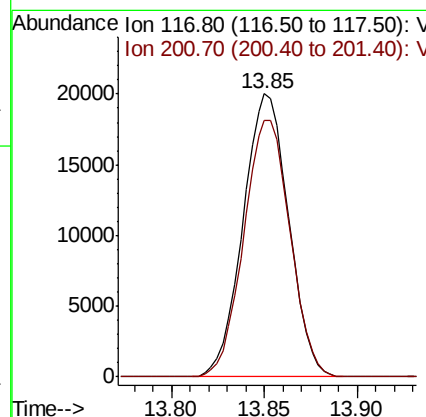
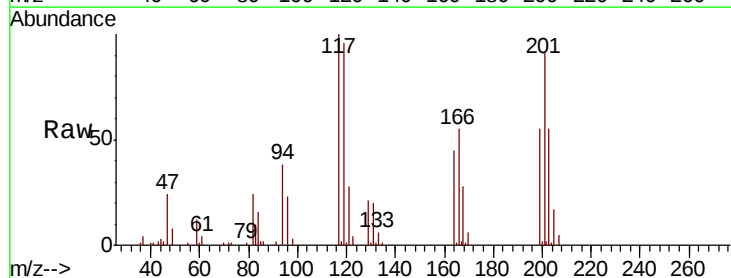
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

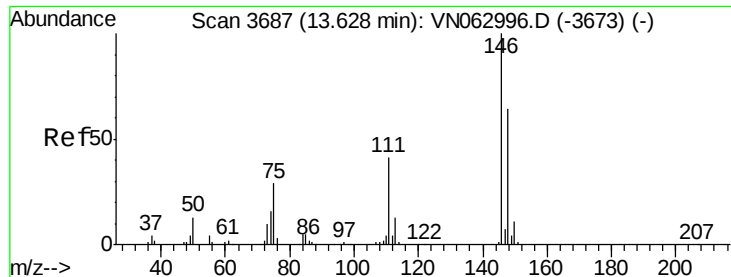
Tot Ion: 91 Resp: 370422
Ion Ratio Lower Upper
91 100
92 52.0 25.9 77.6
134 25.4 12.4 37.0



#90
Hexachloroethane
Concen: 18.329 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion: 117 Resp: 34097
Ion Ratio Lower Upper
117 100
201 91.9 44.1 132.4

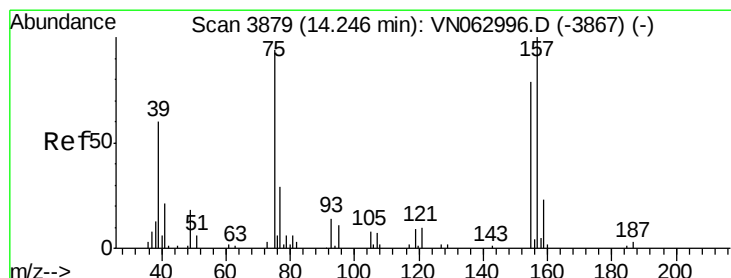
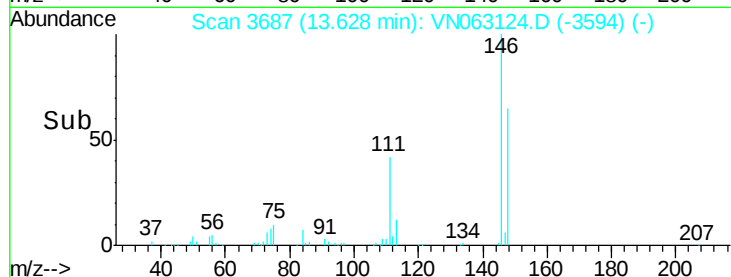
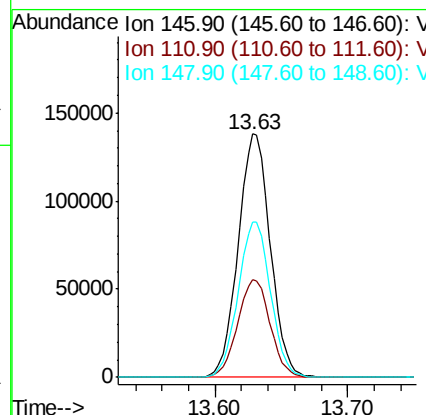
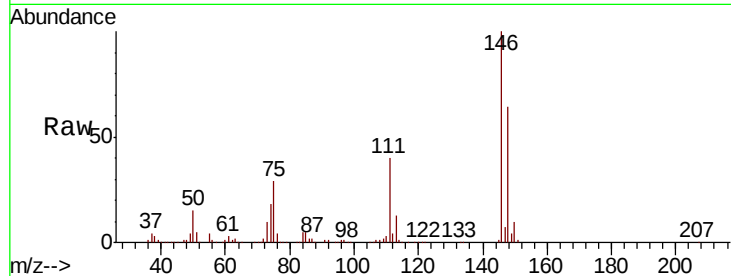




#91
 1,2-Dichlorobenzene
 Concen: 48.784 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

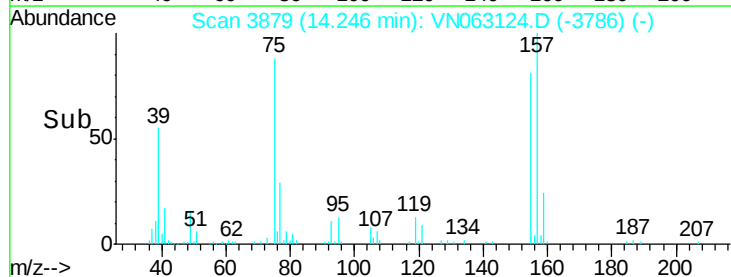
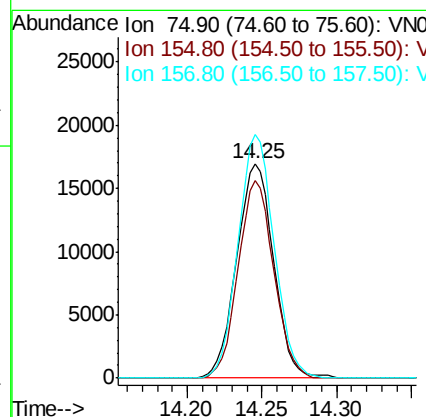
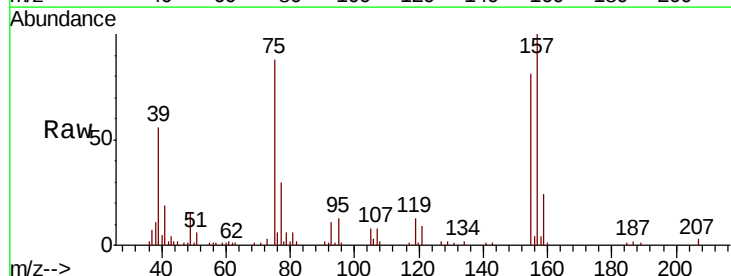
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

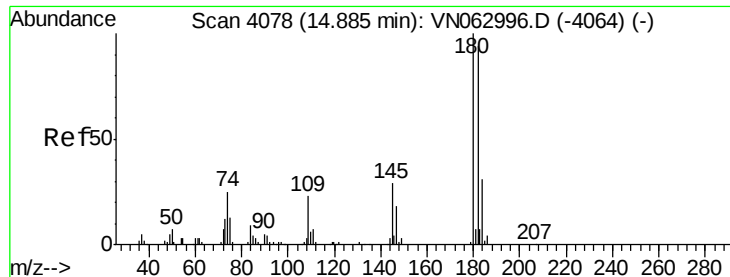
Tot Ion:146 Resp: 232019
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.2 60.5
 148 64.5 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.822 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion: 75 Resp: 29285
 Ion Ratio Lower Upper
 75 100
 155 88.3 42.4 127.1
 157 110.4 55.2 165.6

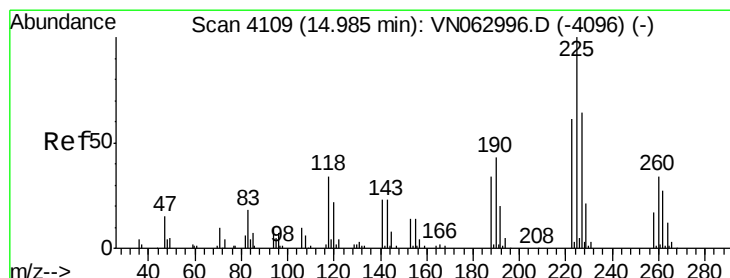
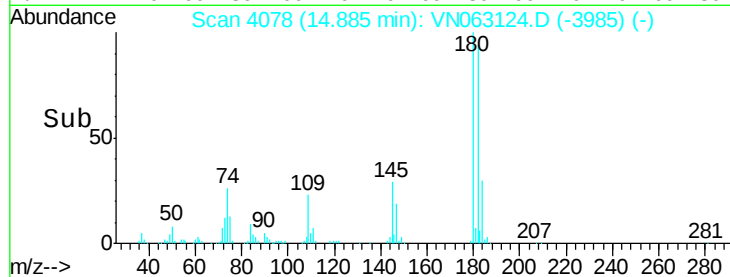
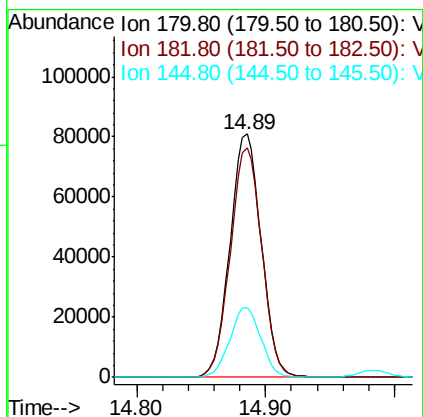
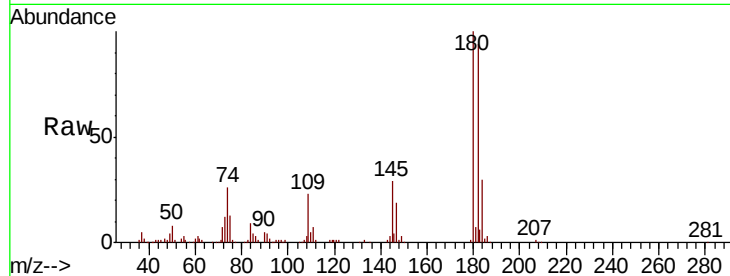




#93
 1,2,4-Trichlorobenzene
 Concen: 51.486 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

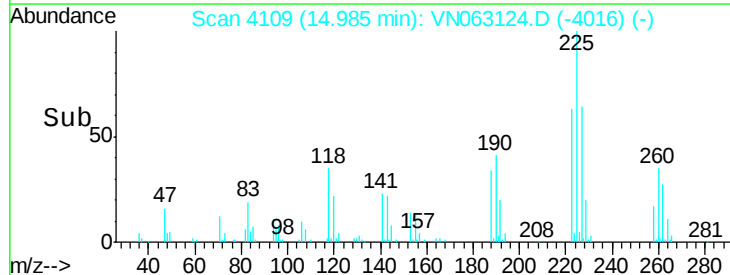
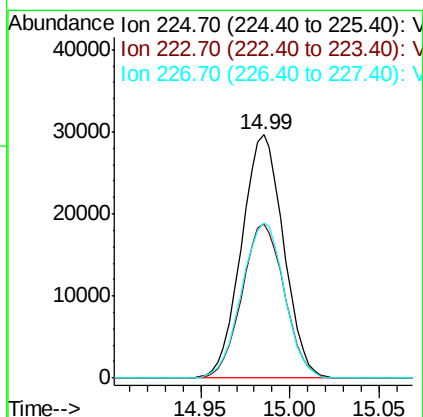
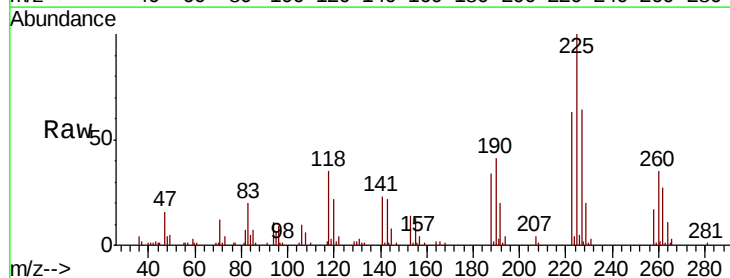
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

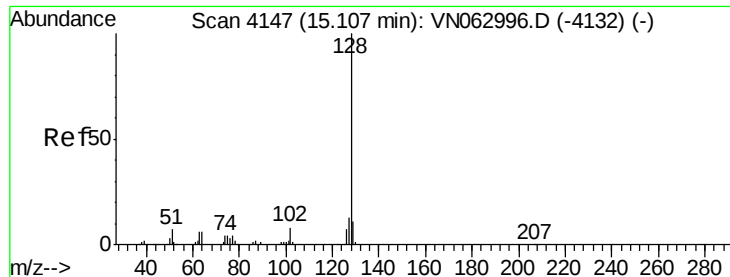
Tot Ion:180 Resp: 136126
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.0 141.2
 145 28.6 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 27.803 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion:225 Resp: 48863
 Ion Ratio Lower Upper
 225 100
 223 63.8 30.9 92.5
 227 64.9 31.9 95.9

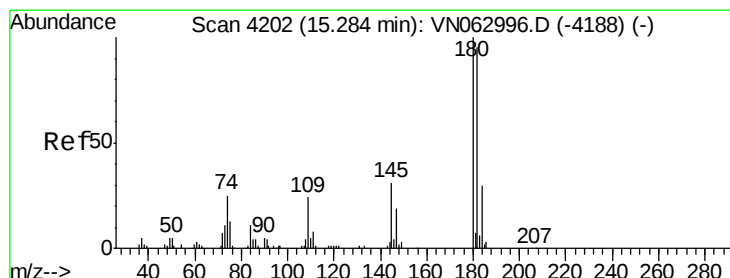
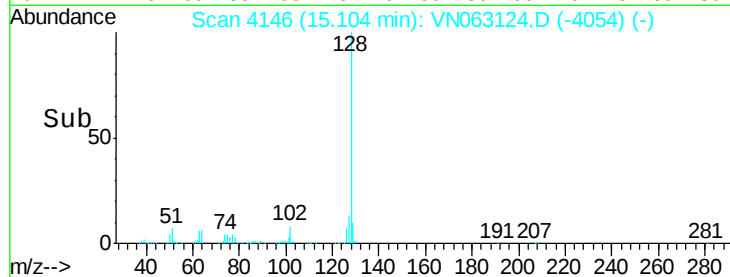
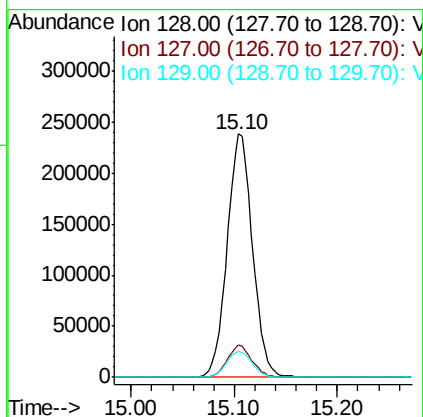
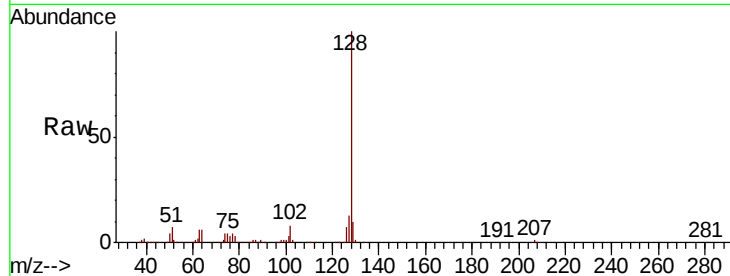




#95
Naphthalene
Concen: 65.310 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

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

Tot Ion:128 Resp: 408202
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 51.838 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion:180 Resp: 134377
Ion Ratio Lower Upper
180 100
182 94.4 47.3 141.9
145 31.1 15.6 46.7

