

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062821\
 Data File : VN067531.D
 Acq On : 28 Jun 2021 14:16
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 29 05:14:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062821W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 28 14:31:03 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	279584	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	490120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	452280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	172616	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	176294	46.073	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.140%
35) Dibromofluoromethane	8.024	113	147770	48.629	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.260%
50) Toluene-d8	10.446	98	607902	49.246	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.500%
62) 4-Bromofluorobenzene	12.733	95	206417	47.873	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.740%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.073	85	1527	0.528	ug/l	99
3) Chloromethane	2.303	50	1105	0.317	ug/l	# 80
4) Vinyl Chloride	2.445	62	1166	0.249	ug/l	# 87
5) Bromomethane	2.872	94	2681	0.779	ug/l	84
7) Trichlorofluoromethane	3.373	101	2317	0.276	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.210	101	965	0.348	ug/l	# 29
10) Methyl Iodide	4.417	142	936	0.259	ug/l	# 57
11) Tert butyl alcohol	5.398	59	228	0.399	ug/l	# 71
12) 1,1-Dichloroethene	4.175	96	792	0.292	ug/l	# 37
13) Acrolein	4.047	56	1164	5.292	ug/l	93
15) Acrylonitrile	5.562	53	2495	1.700	ug/l	# 88
16) Acetone	4.296	43	1590	1.260	ug/l	97
17) Carbon Disulfide	4.521	76	11341	1.482	ug/l	# 95
18) Methyl Acetate	4.870	43	964	0.286	ug/l	# 54
20) Methylene Chloride	5.101	84	2216	0.466	ug/l	# 78
21) trans-1,2-Dichloroethene	5.591	96	1176	0.382	ug/l	# 76
23) Vinyl Acetate	6.436	43	2781	0.344	ug/l	# 75
25) 2-Butanone	7.353	43	3968	2.039	ug/l	97
29) Tetrahydrofuran	7.707	42	1980	1.528	ug/l	# 91
31) Cyclohexane	8.086	56	7346	Below Cal	#	1
36) 1,1-Dichloropropene	8.228	75	2118	0.479	ug/l	97
37) Ethyl Acetate	7.428	43	992	0.244	ug/l	# 69
38) Carbon Tetrachloride	8.088	117	30005	6.330	ug/l	# 17
39) Methylcyclohexane	9.464	83	2031	0.379	ug/l	94
41) Methacrylonitrile	7.646	41	811	0.400	ug/l	# 68
42) 1,2-Dichloroethane	8.528	62	1504	0.325	ug/l	# 79
44) Trichloroethene	9.212	130	1941	0.556	ug/l	78
49) 1,4-Dioxane	9.585	88	637	36.247	ug/l	# 51
51) 4-Methyl-2-Pentanone	10.336	43	8714	2.081	ug/l	94
52) Toluene	10.515	92	2481	0.283	ug/l	92
53) t-1,3-Dichloropropene	10.725	75	1593	2.529	ug/l	# 63
55) 1,1,2-Trichloroethane	10.904	97	941	0.276	ug/l	91
56) Ethyl methacrylate	10.765	69	2001	0.387	ug/l	91
58) 2-Chloroethyl Vinyl ether	10.035	63	164	21.840	ug/l	# 50
59) 2-Hexanone	11.089	43	16106	5.448	ug/l	88
60) Dibromochloromethane	11.245	129	564	2.542	ug/l	99

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 Quant Title : SW846 8260
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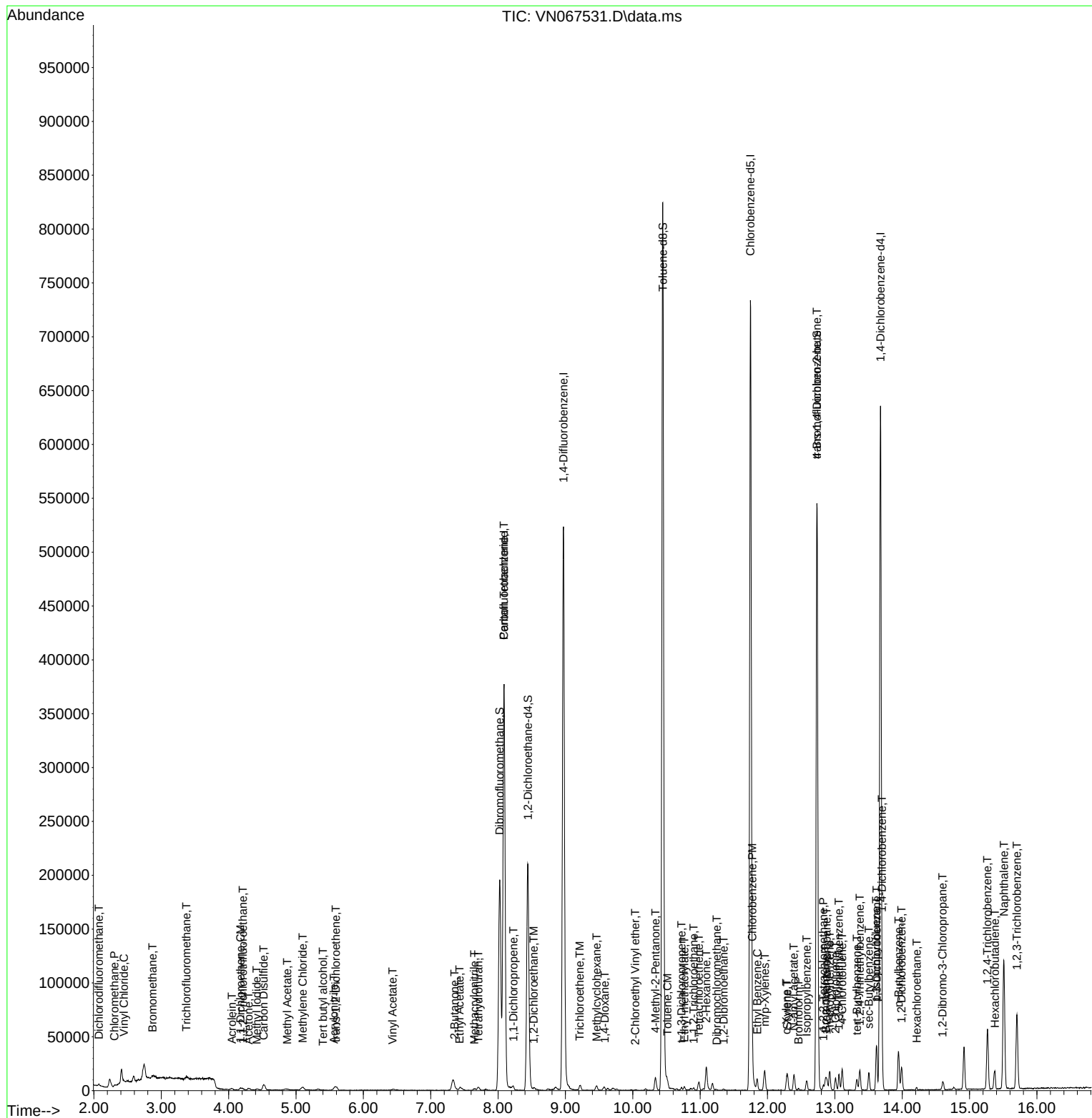
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2-Dibromoethane	11.347	107	701	0.200	ug/l #	47
64) Tetrachloroethene	10.982	164	1756	0.554	ug/l #	83
65) Chlorobenzene	11.773	112	5080	0.547	ug/l	97
67) Ethyl Benzene	11.848	91	7696	0.459	ug/l	97
68) m/p-Xylenes	11.961	106	6506	1.009	ug/l	85
69) o-Xylene	12.280	106	2282	0.357	ug/l	93
70) Styrene	12.294	104	6318	2.419	ug/l #	86
71) Bromoform	12.460	173	816	3.731	ug/l #	29
73) Isopropylbenzene	12.581	105	7500	0.517	ug/l	98
74) N-amyl acetate	12.390	43	9197	1.932	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.827	83	2922	0.710	ug/l #	95
76) 1,2,3-Trichloropropane	12.878	75	4235	1.224	ug/l #	100
77) Bromobenzene	12.865	156	2906	0.902	ug/l	76
78) n-propylbenzene	12.924	91	16123	0.997	ug/l	96
79) 2-Chlorotoluene	13.010	91	8124	0.822	ug/l	99
80) 1,3,5-Trimethylbenzene	13.061	105	8274	0.696	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.733	75	105929	88.023	ug/l #	6
82) 4-Chlorotoluene	13.109	91	12400	1.284	ug/l	92
83) tert-Butylbenzene	13.326	119	6304	0.611	ug/l	84
84) 1,2,4-Trimethylbenzene	13.372	105	11556	0.987	ug/l	98
85) sec-Butylbenzene	13.503	105	12655	0.892	ug/l	97
86) p-Isopropyltoluene	13.616	119	12947	1.134	ug/l	94
87) 1,3-Dichlorobenzene	13.621	146	9732	1.632	ug/l	95
88) 1,4-Dichlorobenzene	13.699	146	11608	1.970	ug/l	82
89) n-Butylbenzene	13.946	91	23267	2.472	ug/l	97
90) Hexachloroethane	14.217	117	509	0.253	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	10042	1.768	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.600	75	2281	3.167	ug/l	80
93) 1,2,4-Trichlorobenzene	15.265	180	17279	6.910	ug/l	97
94) Hexachlorobutadiene	15.378	225	3267	2.964	ug/l	99
95) Naphthalene	15.509	128	115728	15.913	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	23581	9.634	ug/l	97

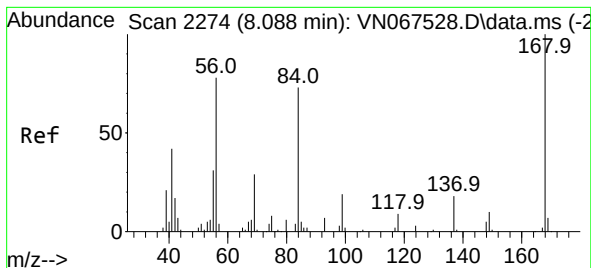
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN067531.D

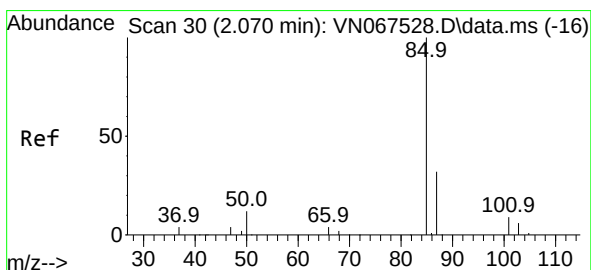
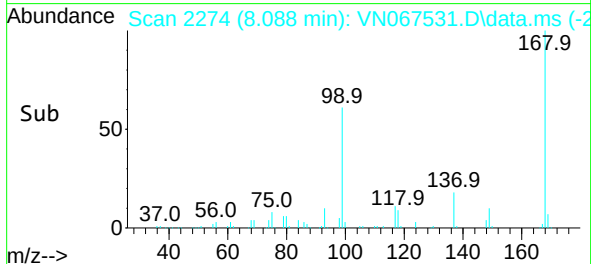
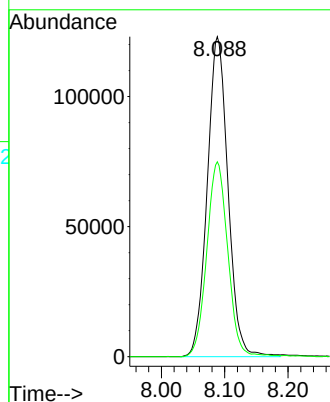
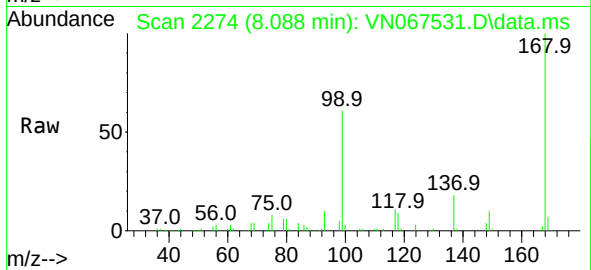
Acq: 28 Jun 2021 14:16

Tgt Ion:168 Resp: 279584

Ion Ratio Lower Upper

168 100

99 60.9 62.9 94.3#



#2

Dichlorodifluoromethane

Concen: 0.528 ug/l

RT: 2.073 min Scan# 31

Delta R.T. 0.003 min

Lab File: VN067531.D

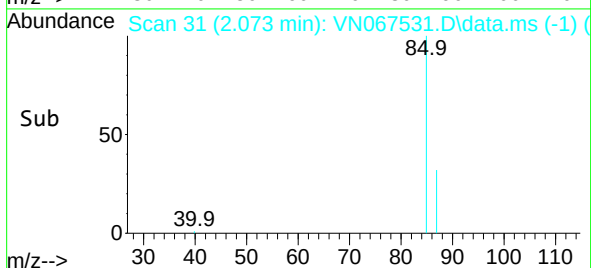
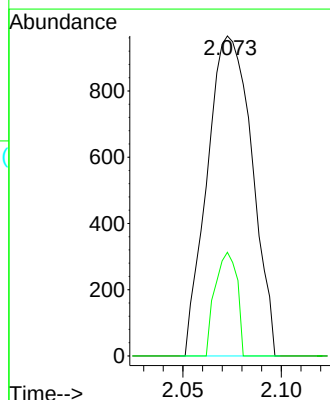
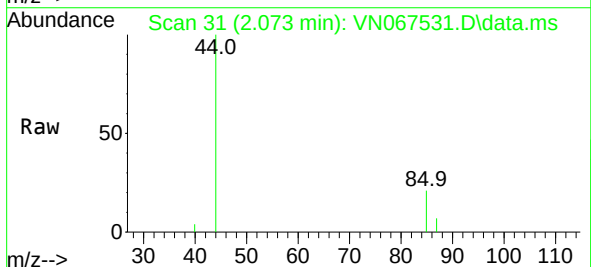
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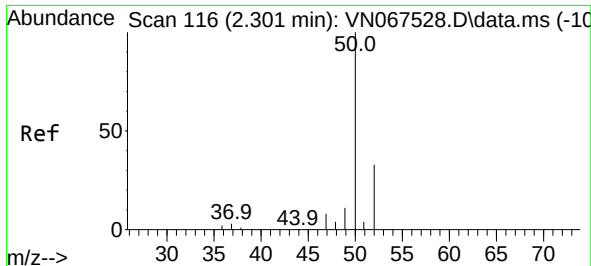
Tgt Ion: 85 Resp: 1527

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.2

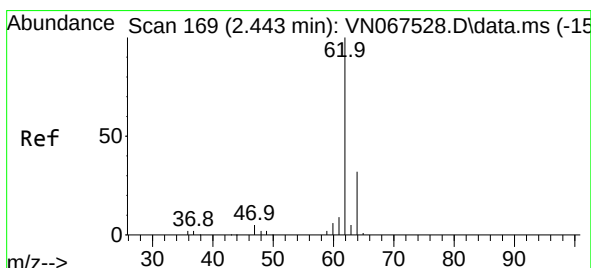
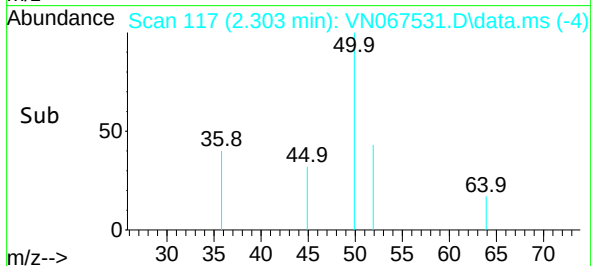
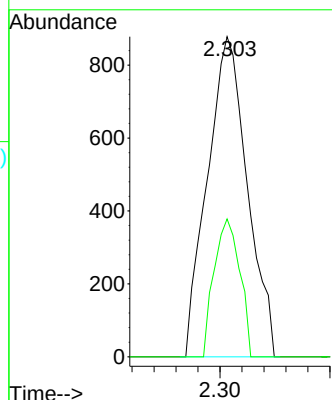
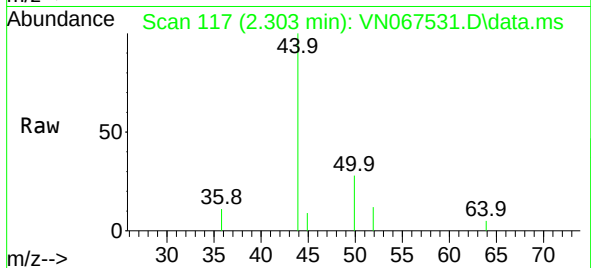




#3
Chloromethane
Concen: 0.317 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

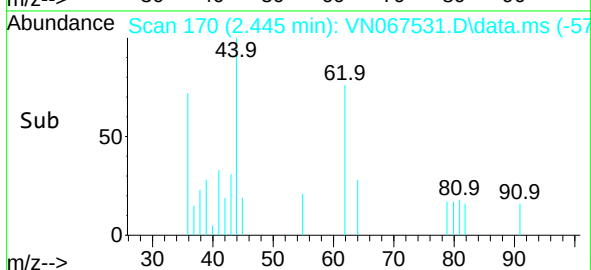
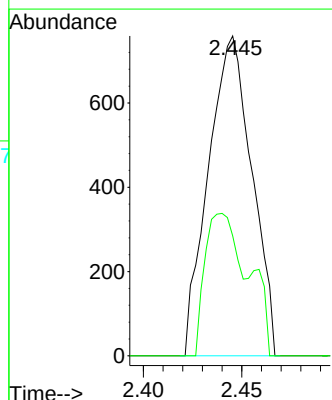
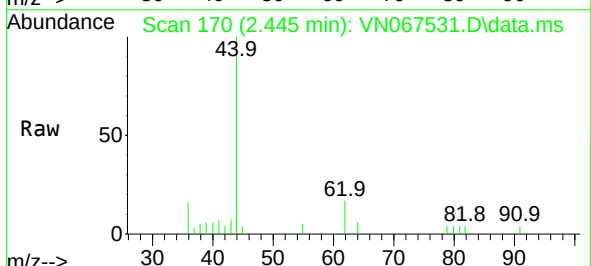
Instrument :
MSVOA_N
ClientSampled :
IBLK

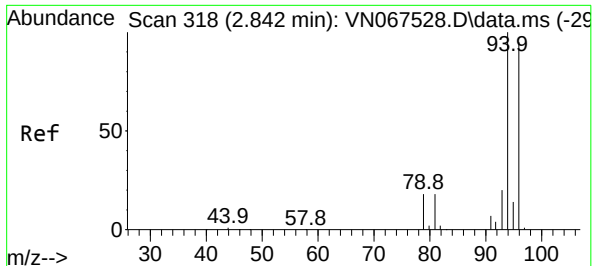
Tgt Ion: 50 Resp: 1105
Ion Ratio Lower Upper
50 100
52 43.1 25.6 38.4#



#4
Vinyl Chloride
Concen: 0.249 ug/l
RT: 2.445 min Scan# 170
Delta R.T. 0.002 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion: 62 Resp: 1166
Ion Ratio Lower Upper
62 100
64 37.5 24.4 36.6#

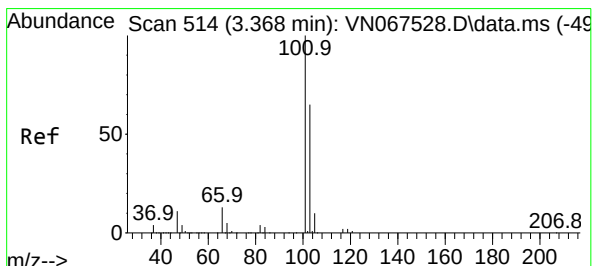
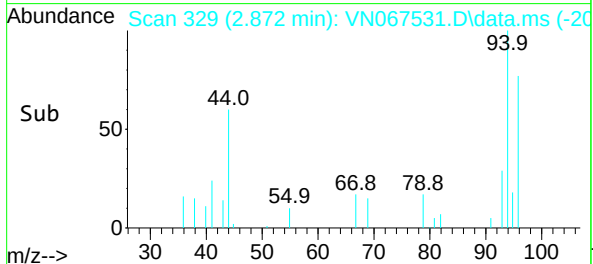
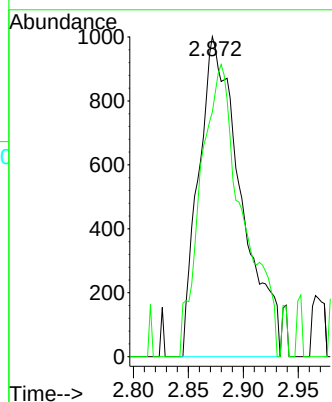
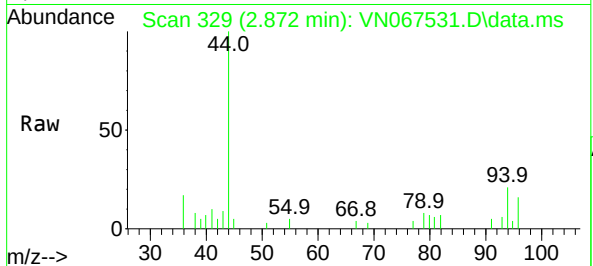




#5
Bromomethane
Concen: 0.779 ug/l
RT: 2.872 min Scan# 329
Delta R.T. 0.030 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

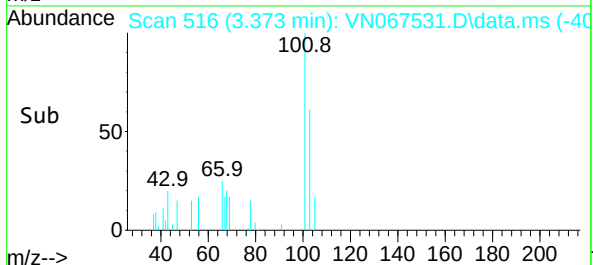
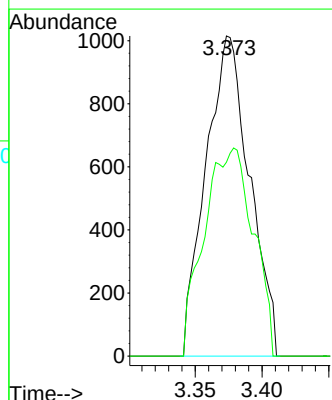
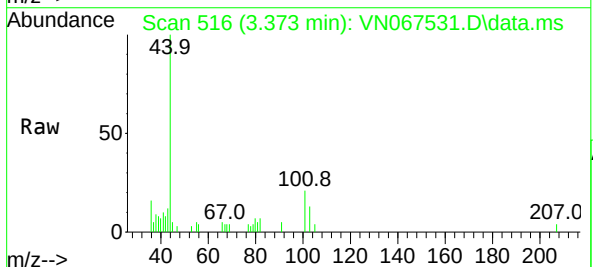
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ClientSampleId :
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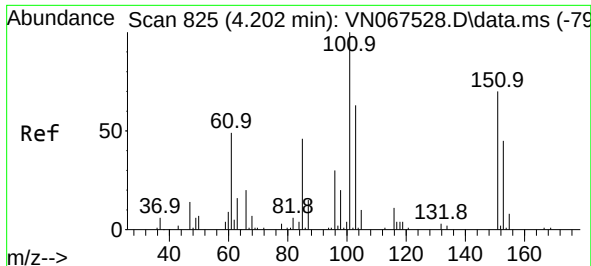
Tgt Ion: 94 Resp: 2681
Ion Ratio Lower Upper
94 100
96 76.5 73.7 110.5



#7
Trichlorofluoromethane
Concen: 0.276 ug/l
RT: 3.373 min Scan# 516
Delta R.T. 0.005 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion: 101 Resp: 2317
Ion Ratio Lower Upper
101 100
103 60.6 51.2 76.8

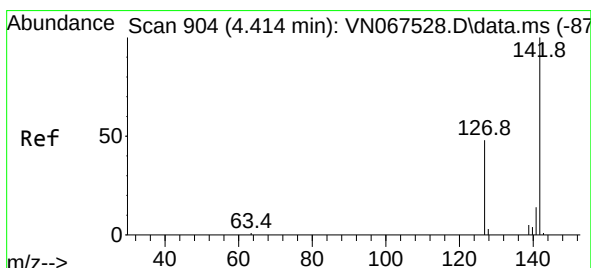
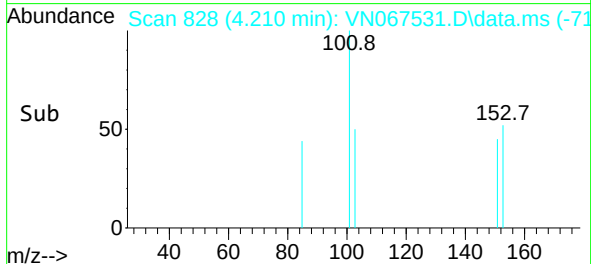
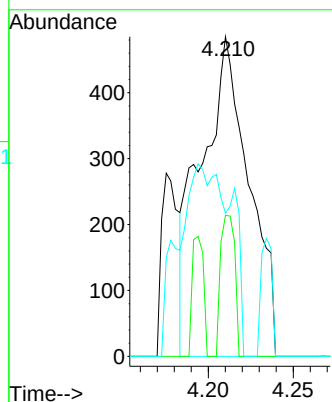
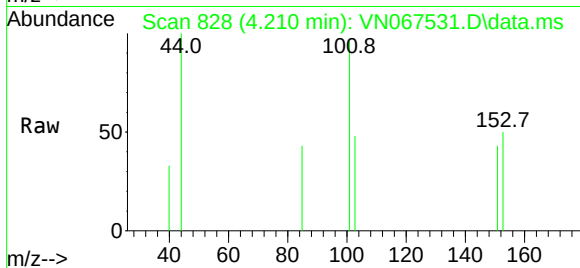




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.348 ug/l
RT: 4.210 min Scan# 828
Delta R.T. 0.008 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

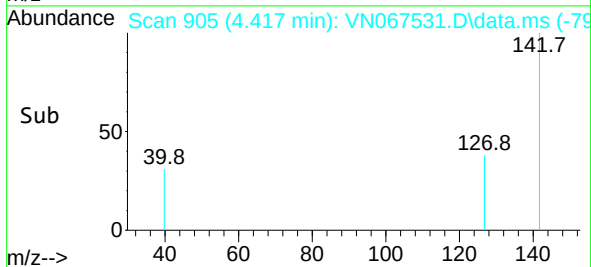
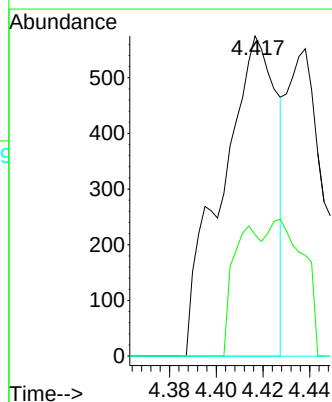
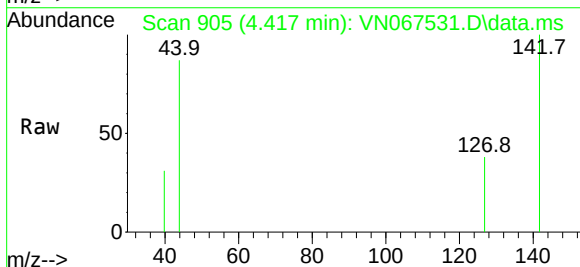
Instrument :
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ClientSampleId :
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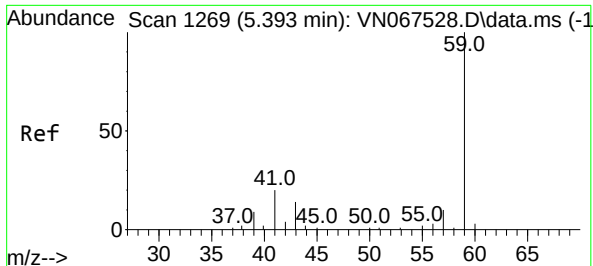
Tgt Ion:101 Resp: 965
Ion Ratio Lower Upper
101 100
85 12.8 39.6 59.4#
151 0.0 54.1 81.1#



#10
Methyl Iodide
Concen: 0.259 ug/l
RT: 4.417 min Scan# 905
Delta R.T. 0.003 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion:142 Resp: 936
Ion Ratio Lower Upper
142 100
127 21.2 43.1 64.7#
141 0.0 11.4 17.0#



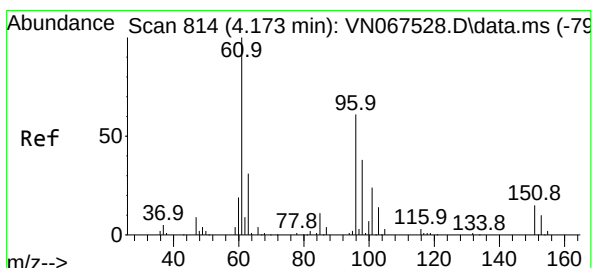
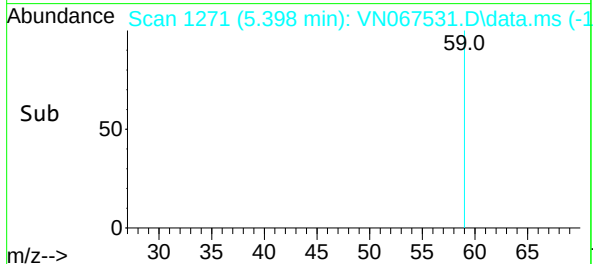
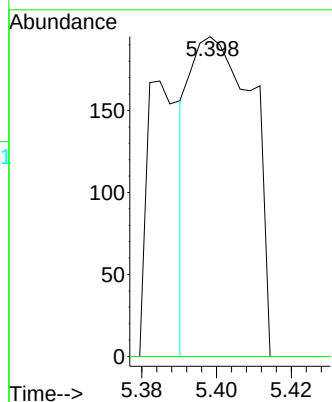
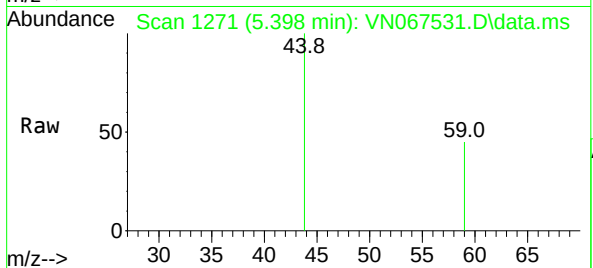


#11

Tert butyl alcohol
Concen: 0.399 ug/l
RT: 5.398 min Scan# 1271
Delta R.T. 0.005 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

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MSVOA_N
ClientSampleId :
IBLK

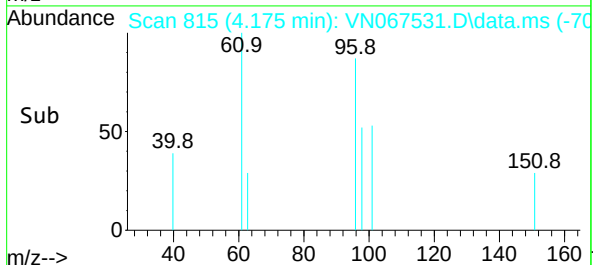
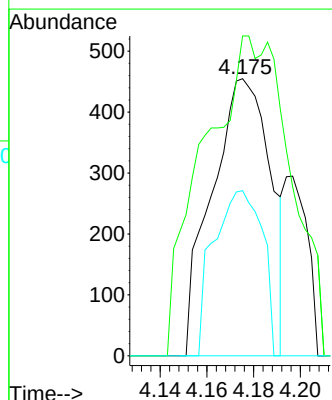
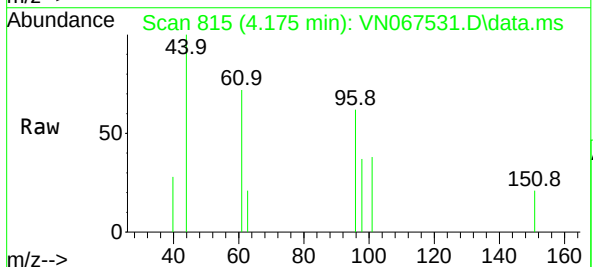
Tgt Ion: 59 Resp: 228
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

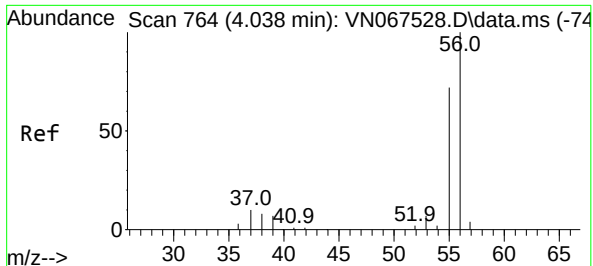


#12

1,1-Dichloroethene
Concen: 0.292 ug/l
RT: 4.175 min Scan# 815
Delta R.T. 0.002 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

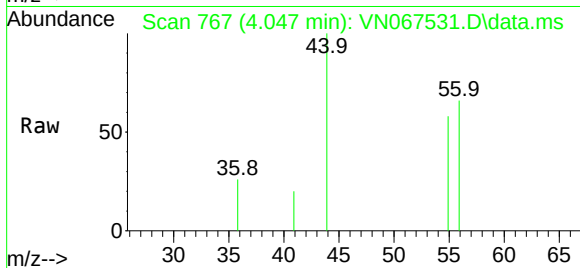
Tgt Ion: 96 Resp: 792
Ion Ratio Lower Upper
96 100
61 70.5 152.6 229.0#
98 59.6 50.9 76.3



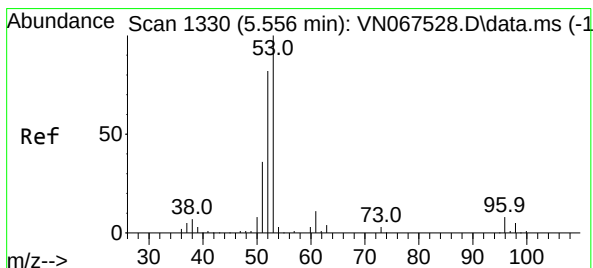
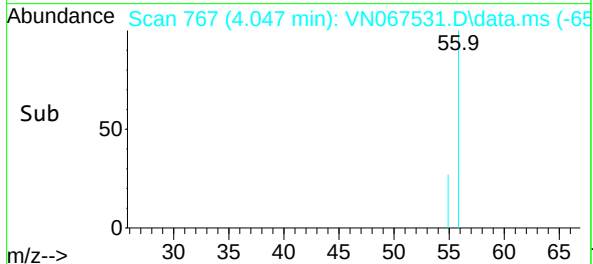
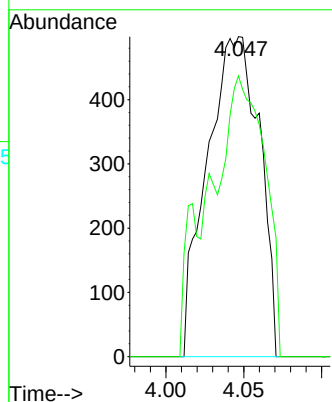


#13
Acrolein
Concen: 5.292 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.009 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

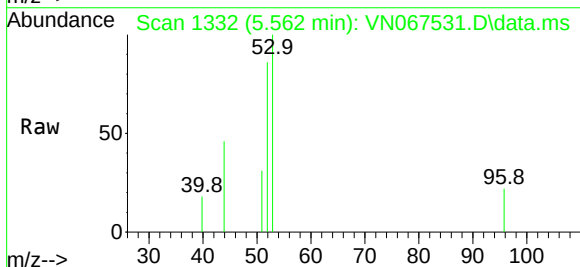
Instrument :
MSVOA_N
ClientSampleId :
IBLK



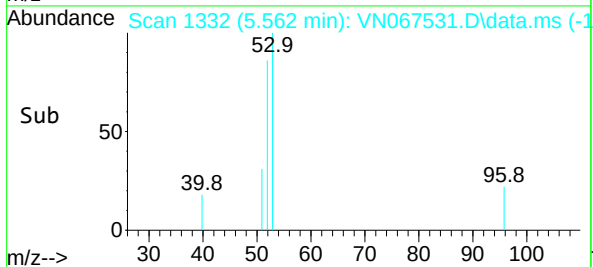
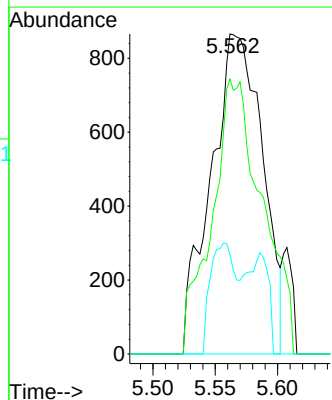
Tgt Ion: 56 Resp: 1164
Ion Ratio Lower Upper
56 100
55 66.2 57.4 86.0

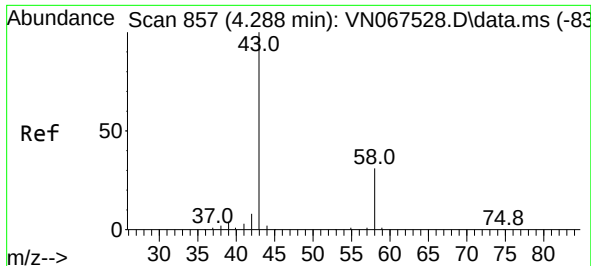


#15
Acrylonitrile
Concen: 1.700 ug/l
RT: 5.562 min Scan# 1332
Delta R.T. 0.006 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16



Tgt Ion: 53 Resp: 2495
Ion Ratio Lower Upper
53 100
52 83.8 66.2 99.2
51 17.2 30.2 45.4#

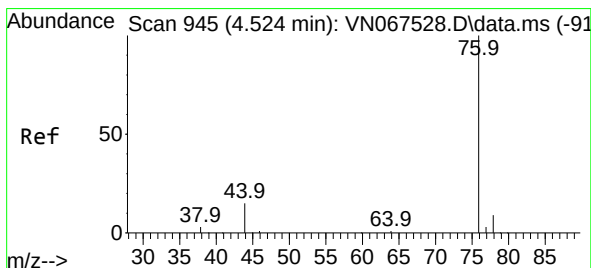
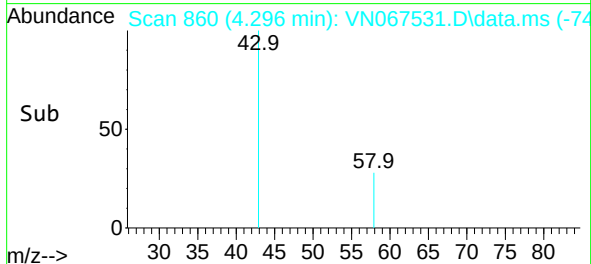
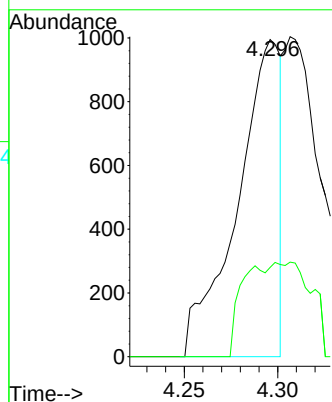
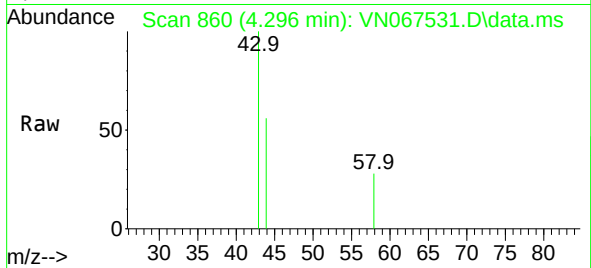




#16
Acetone
Concen: 1.260 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

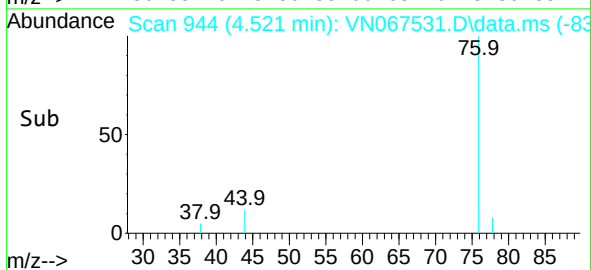
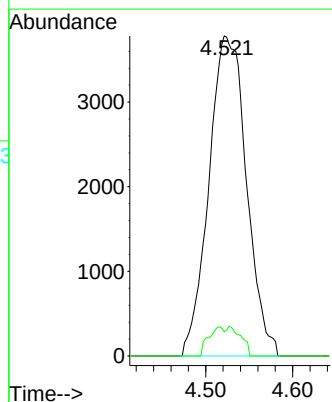
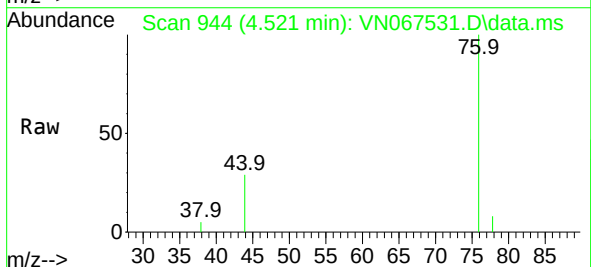
Instrument :
MSVOA_N
ClientSampled :
IBLK

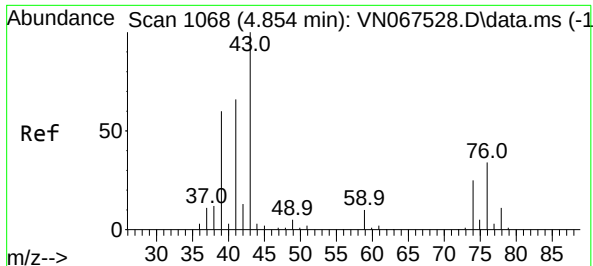
Tgt Ion: 43 Resp: 1590
Ion Ratio Lower Upper
43 100
58 28.1 21.2 31.8



#17
Carbon Disulfide
Concen: 1.482 ug/l
RT: 4.521 min Scan# 944
Delta R.T. -0.003 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion: 76 Resp: 11341
Ion Ratio Lower Upper
76 100
78 7.6 7.7 11.5#





#18

Methyl Acetate

Concen: 0.286 ug/l

RT: 4.870 min Scan# 1074

Delta R.T. 0.016 min

Lab File: VN067531.D

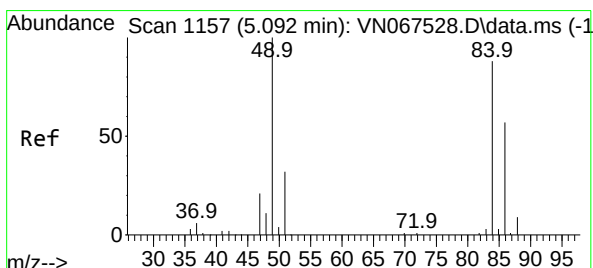
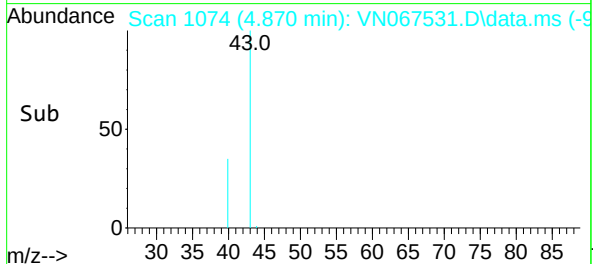
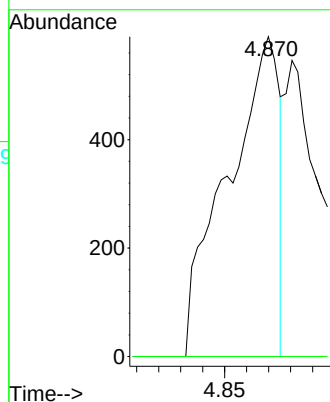
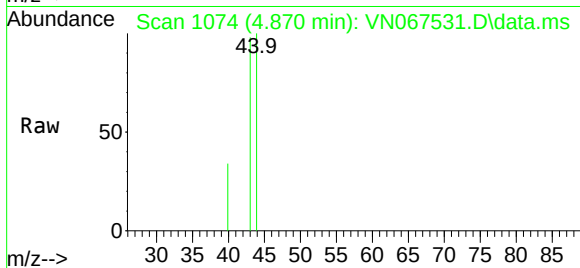
Acq: 28 Jun 2021 14:16

Tgt Ion: 43 Resp: 964

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.0#



#20

Methylene Chloride

Concen: 0.466 ug/l

RT: 5.101 min Scan# 1160

Delta R.T. 0.009 min

Lab File: VN067531.D

Acq: 28 Jun 2021 14:16

Tgt Ion: 84 Resp: 2216

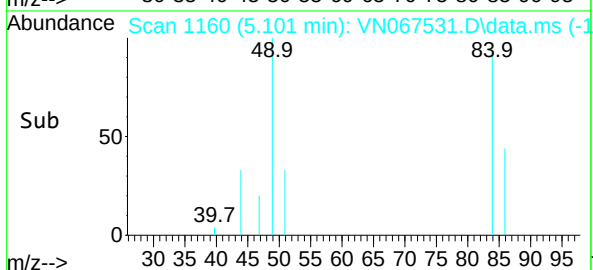
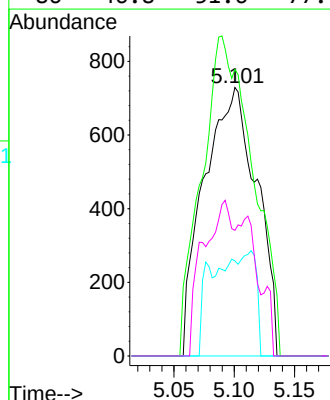
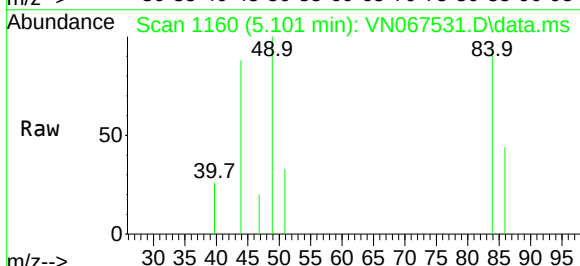
Ion Ratio Lower Upper

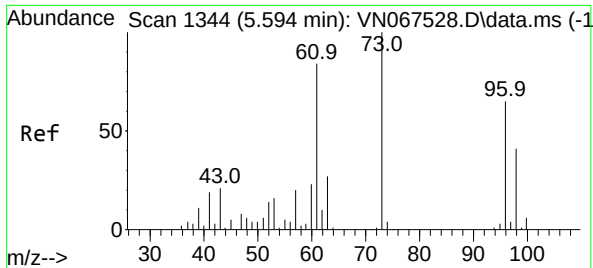
84 100

49 106.7 110.9 166.3#

51 35.4 32.6 49.0

86 46.8 51.6 77.4#



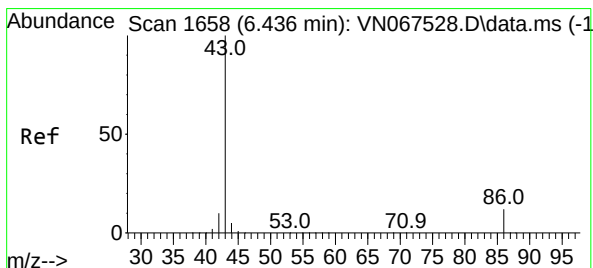
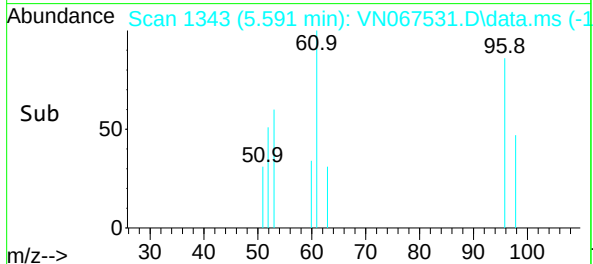
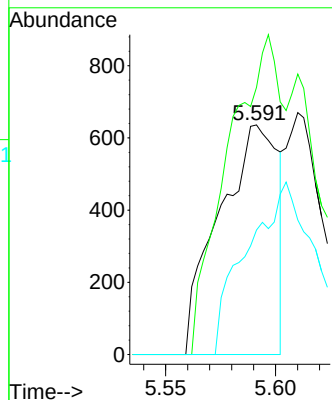
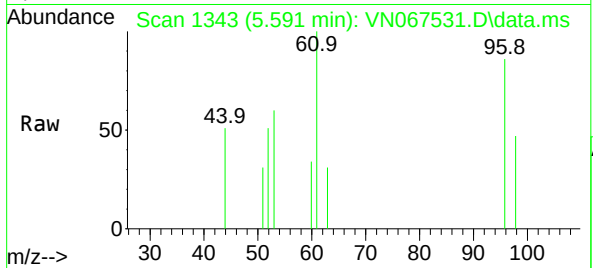


#21

trans-1,2-Dichloroethene
Concen: 0.382 ug/l
RT: 5.591 min Scan# 1343
Delta R.T. -0.003 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Instrument :
MSVOA_N
ClientSampleId :
IBLK

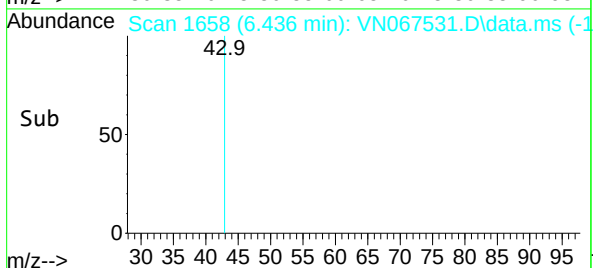
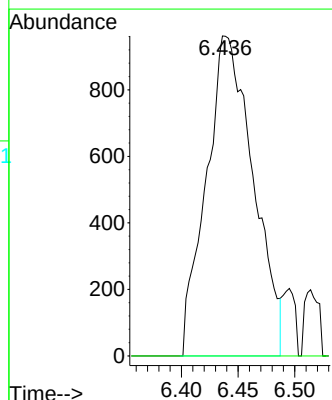
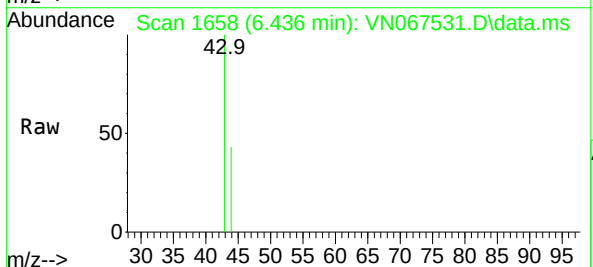
Tgt Ion: 96 Resp: 1176
Ion Ratio Lower Upper
96 100
61 116.4 123.5 185.3#
98 54.2 48.6 72.8

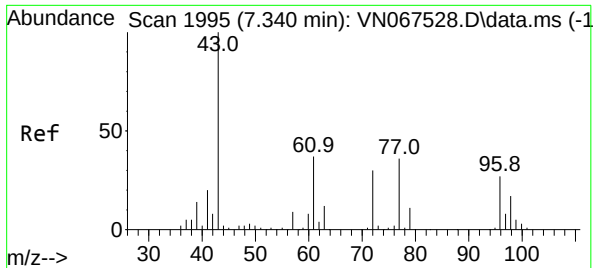


#23

Vinyl Acetate
Concen: 0.344 ug/l
RT: 6.436 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion: 43 Resp: 2781
Ion Ratio Lower Upper
43 100
86 0.0 7.3 10.9#

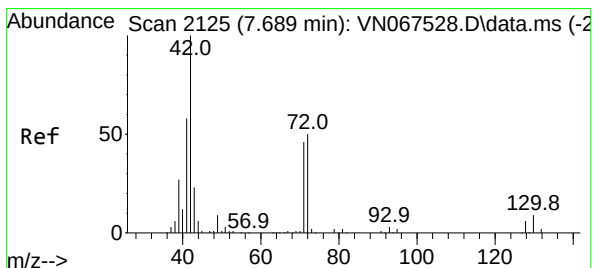
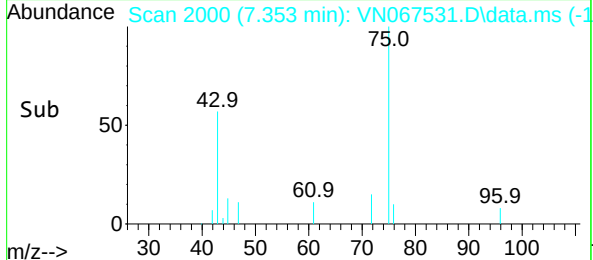
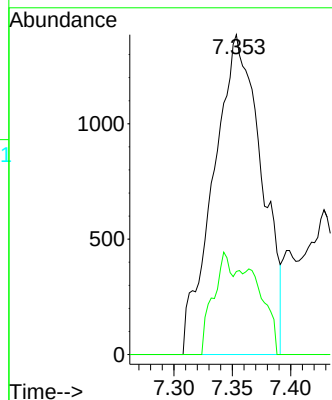
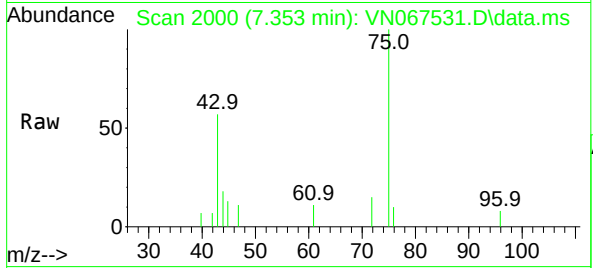




#25
2-Butanone
Concen: 2.039 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.013 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

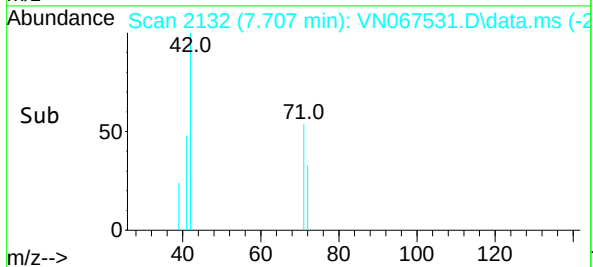
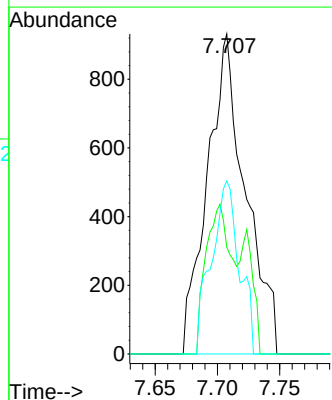
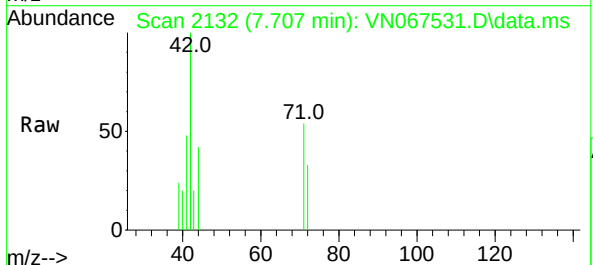
Instrument :
MSVOA_N
ClientSampled :
IBLK

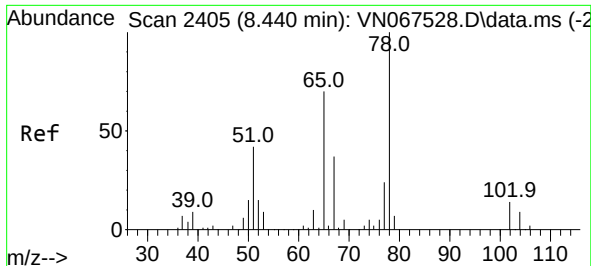
Tgt Ion: 43 Resp: 3968
Ion Ratio Lower Upper
43 100
72 26.0 19.7 29.5



#29
Tetrahydrofuran
Concen: 1.528 ug/l
RT: 7.707 min Scan# 2132
Delta R.T. 0.018 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion: 42 Resp: 1980
Ion Ratio Lower Upper
42 100
72 31.1 32.8 49.2#
71 39.7 31.2 46.8





#33

1,2-Dichloroethane-d4

Concen: 46.073 ug/l

RT: 8.442 min Scan# 2406

Delta R.T. 0.002 min

Lab File: VN067531.D

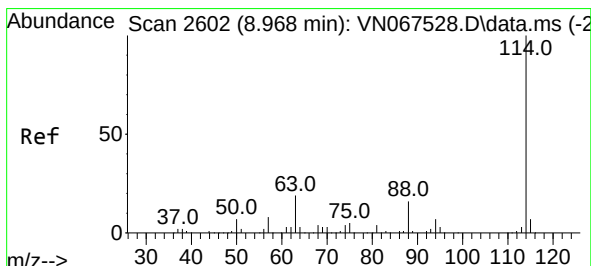
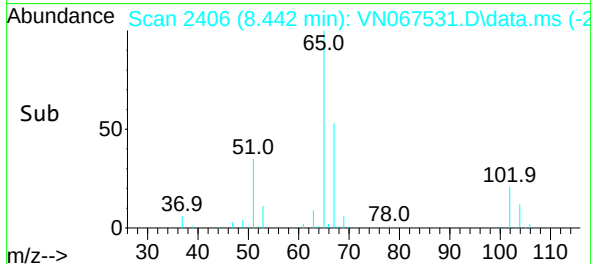
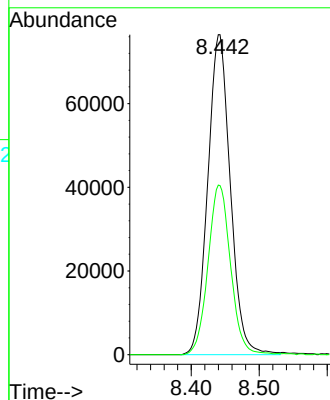
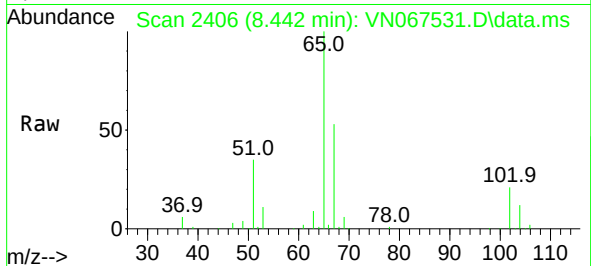
Acq: 28 Jun 2021 14:16

Tgt Ion: 65 Resp: 176294

Ion Ratio Lower Upper

65 100

67 52.9 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN067531.D

Acq: 28 Jun 2021 14:16

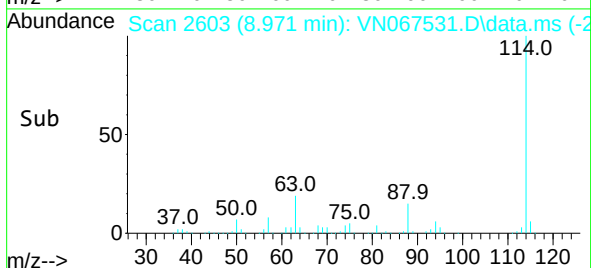
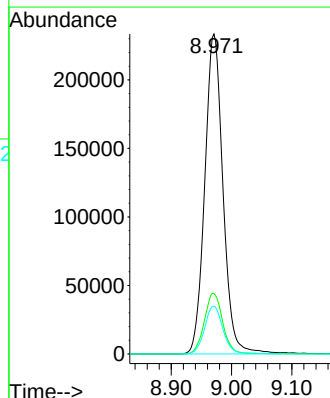
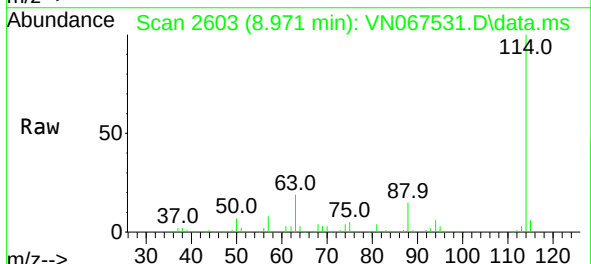
Tgt Ion: 114 Resp: 490120

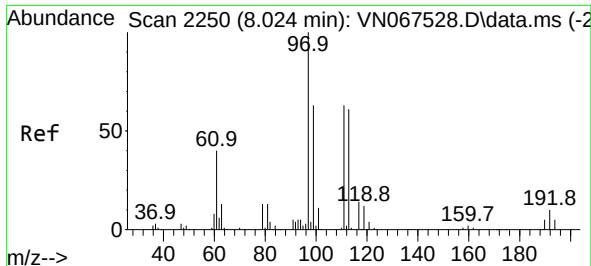
Ion Ratio Lower Upper

114 100

63 18.9 0.0 49.0

88 14.9 0.0 36.6

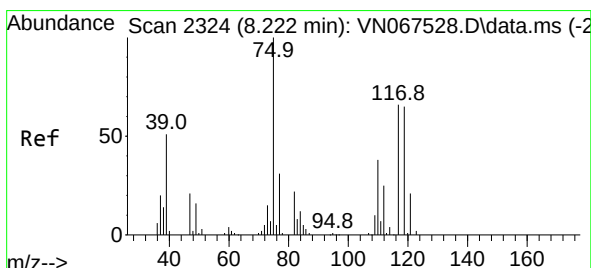
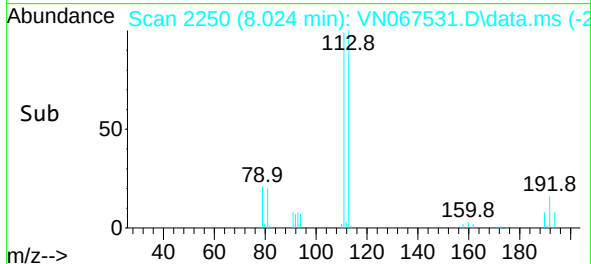
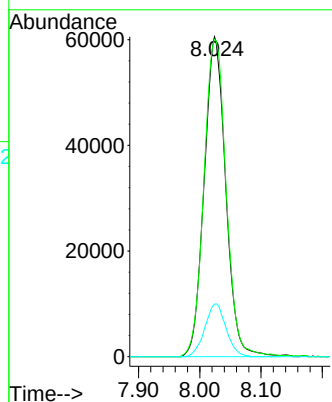
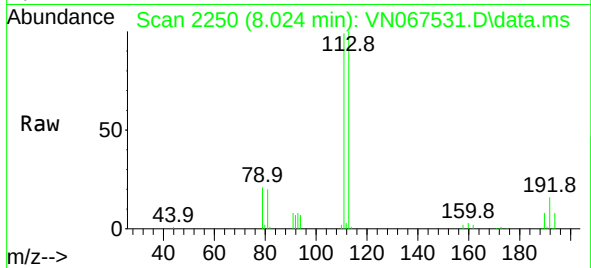




#35
Dibromofluoromethane
Concen: 48.629 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

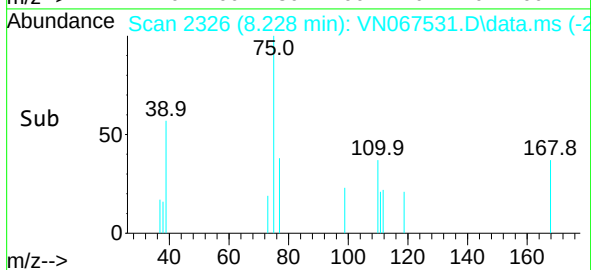
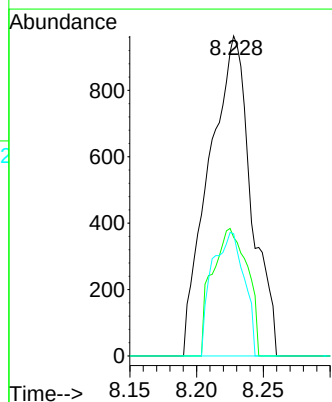
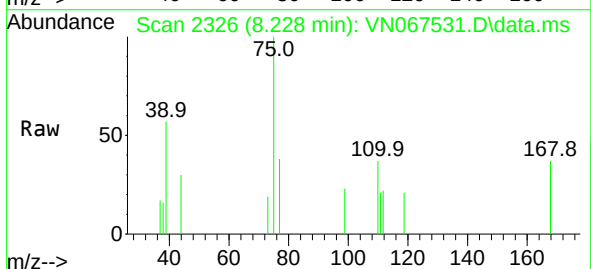
Instrument :
MSVOA_N
ClientSampled :
IBLK

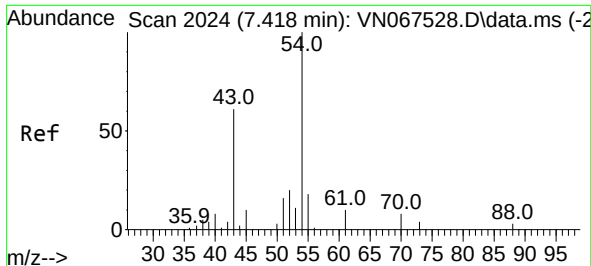
Tgt Ion:113 Resp: 147770
Ion Ratio Lower Upper
113 100
111 102.3 83.8 125.8
192 16.3 13.4 20.0



#36
1,1-Dichloropropene
Concen: 0.479 ug/l
RT: 8.228 min Scan# 2326
Delta R.T. 0.006 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion: 75 Resp: 2118
Ion Ratio Lower Upper
75 100
110 33.1 15.7 47.0
77 29.2 24.6 37.0

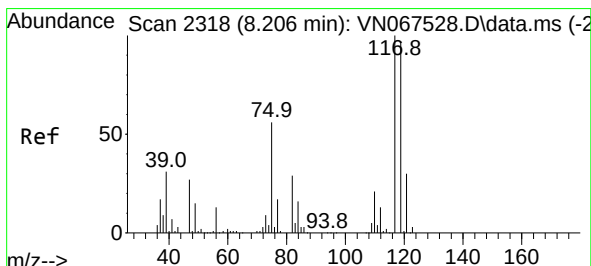
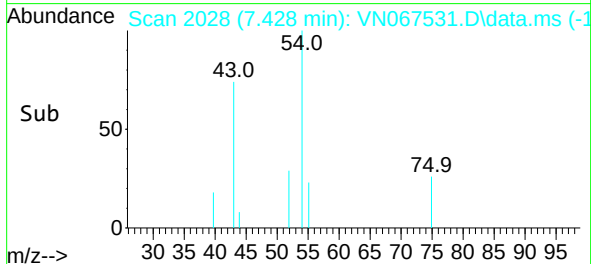
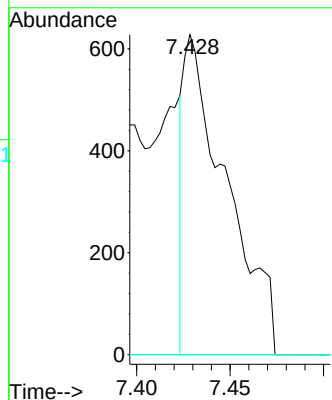
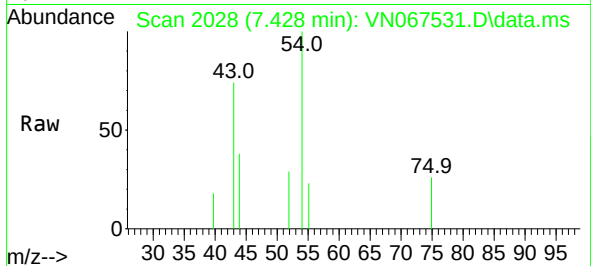




#37
Ethyl Acetate
Concen: 0.244 ug/l
RT: 7.428 min Scan# 2028
Delta R.T. 0.010 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

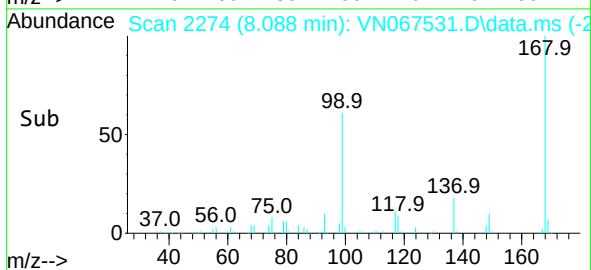
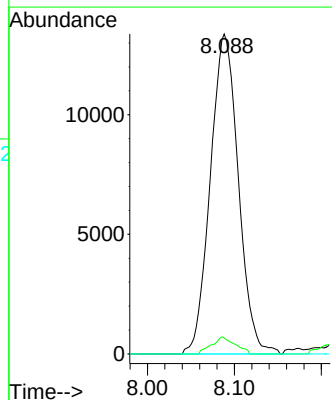
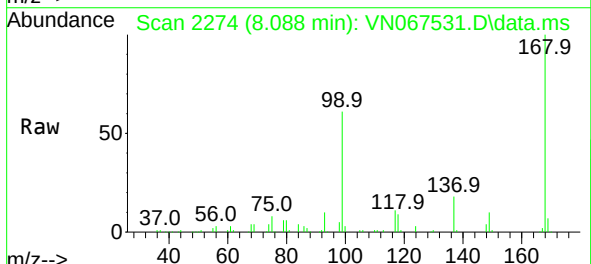
Instrument :
MSVOA_N
ClientSampleId :
IBLK

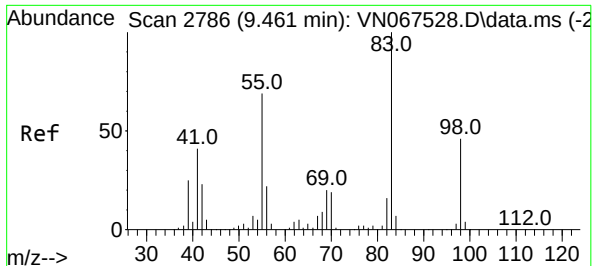
Tgt Ion:	43	Resp:	992
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



#38
Carbon Tetrachloride
Concen: 6.330 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion:	117	Resp:	30005
Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.4	113.2#
121	0.0	23.5	35.3#





#39

Methylcyclohexane

Concen: 0.379 ug/l

RT: 9.464 min Scan# 2787

Delta R.T. 0.003 min

Lab File: VN067531.D

Acq: 28 Jun 2021 14:16

Tgt Ion: 83 Resp: 2031

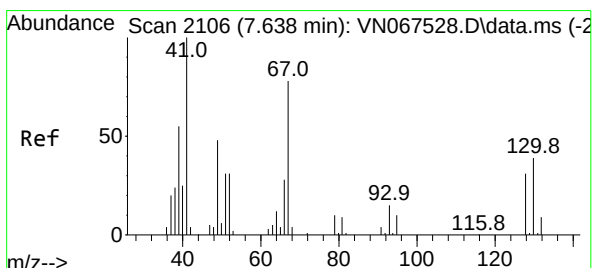
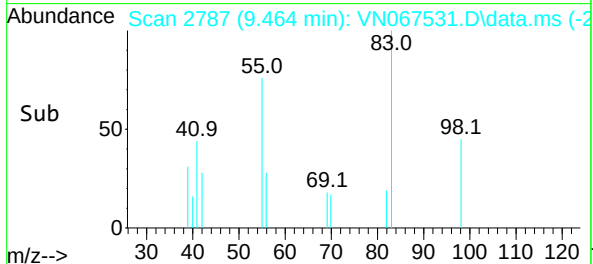
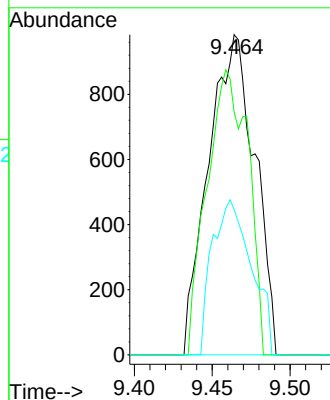
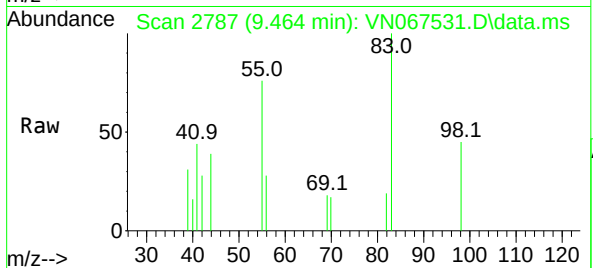
Ion	Ratio	Lower	Upper
83	100		
55	75.9	66.6	99.8
98	45.4	35.3	52.9

Instrument :

MSVOA_N

ClientSampleId :

IBLK



#41

Methacrylonitrile

Concen: 0.400 ug/l

RT: 7.646 min Scan# 2109

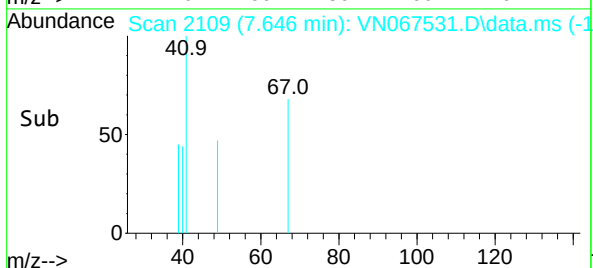
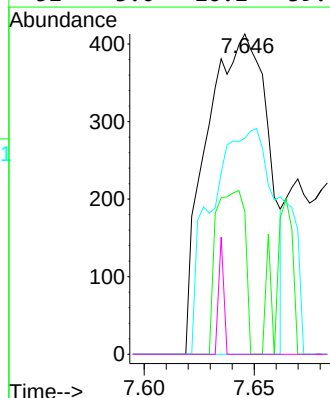
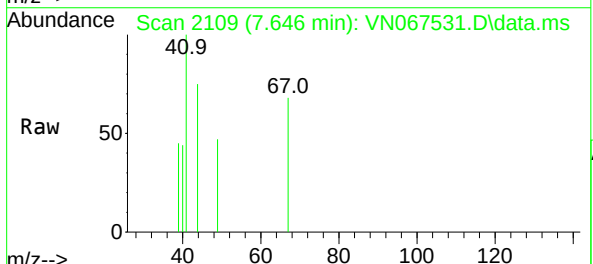
Delta R.T. 0.008 min

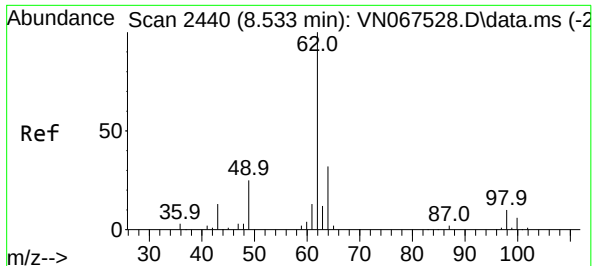
Lab File: VN067531.D

Acq: 28 Jun 2021 14:16

Tgt Ion: 41 Resp: 811

Ion	Ratio	Lower	Upper
41	100		
39	23.6	47.6	71.4#
67	80.9	57.7	86.5
52	3.0	26.2	39.4#





#42

1,2-Dichloroethane

Concen: 0.325 ug/l

RT: 8.528 min Scan# 2438

Delta R.T. -0.005 min

Lab File: VN067531.D

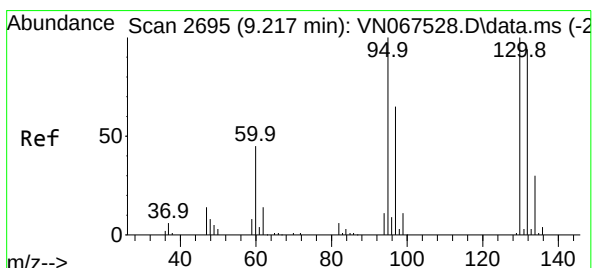
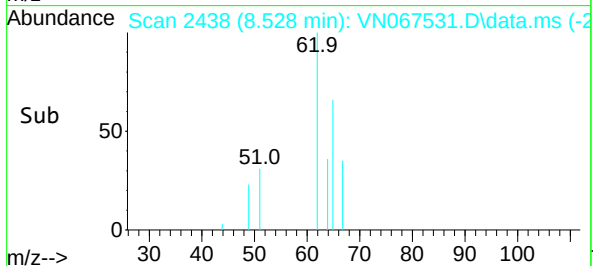
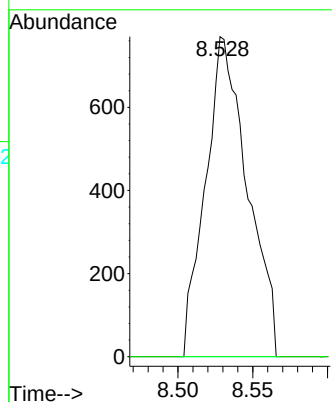
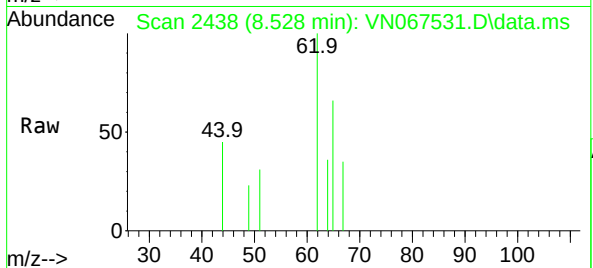
Acq: 28 Jun 2021 14:16

Tgt Ion: 62 Resp: 1504

Ion Ratio Lower Upper

62 100

98 0.0 0.0 14.2



#44

Trichloroethene

Concen: 0.556 ug/l

RT: 9.212 min Scan# 2693

Delta R.T. -0.005 min

Lab File: VN067531.D

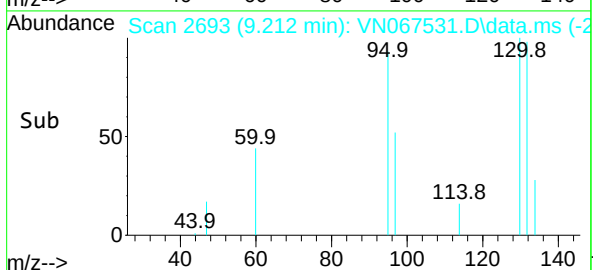
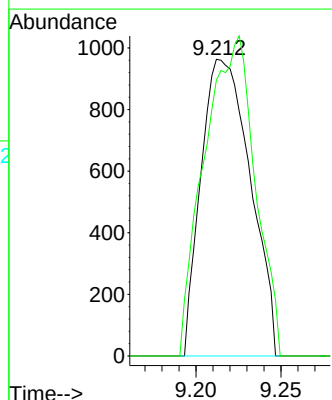
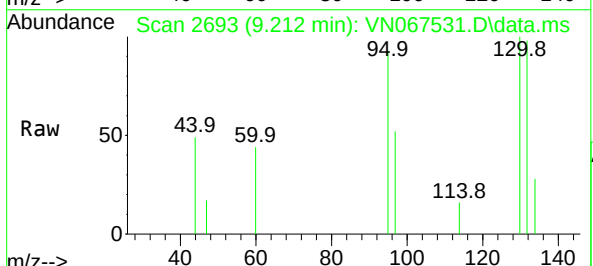
Acq: 28 Jun 2021 14:16

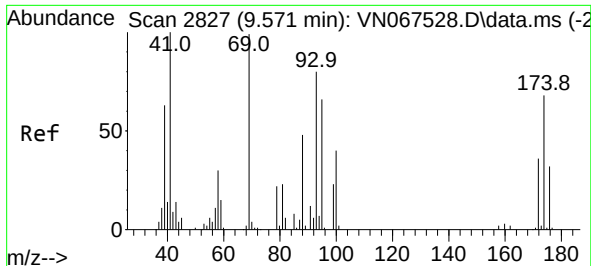
Tgt Ion: 130 Resp: 1941

Ion Ratio Lower Upper

130 100

95 92.9 0.0 234.4





#49

1,4-Dioxane

Concen: 36.247 ug/l

RT: 9.585 min Scan# 2832

Delta R.T. 0.014 min

Lab File: VN067531.D

Acq: 28 Jun 2021 14:16

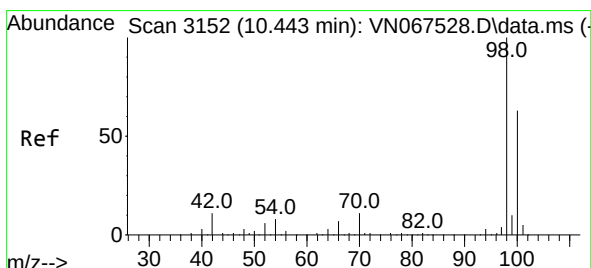
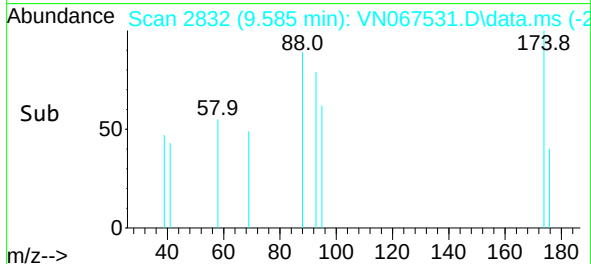
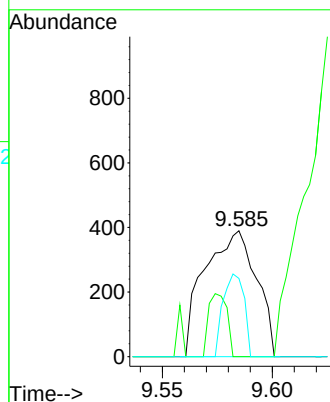
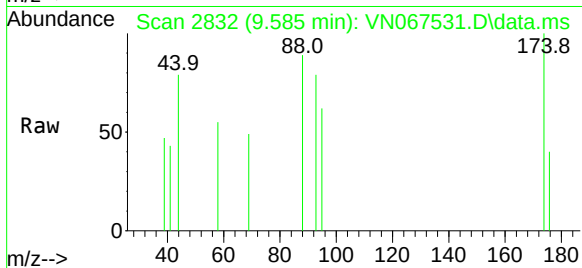
Tgt Ion: 88 Resp: 637

Ion Ratio Lower Upper

88 100

43 17.7 28.8 43.2#

58 26.4 60.4 90.6#



#50

Toluene-d8

Concen: 49.246 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN067531.D

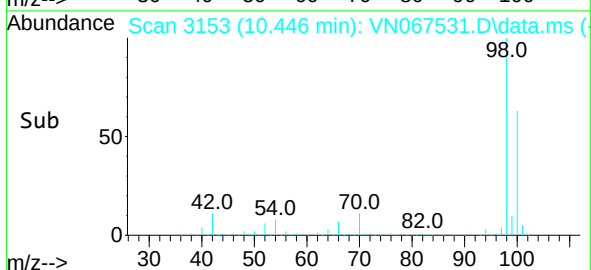
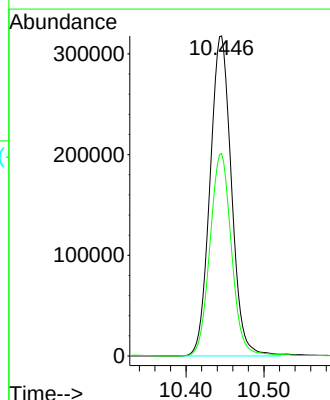
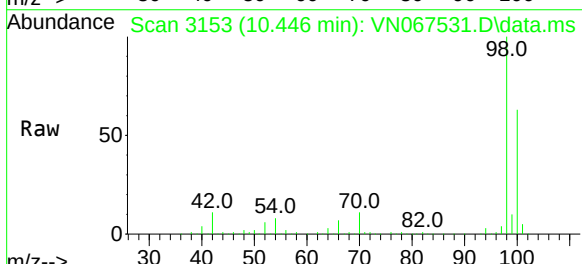
Acq: 28 Jun 2021 14:16

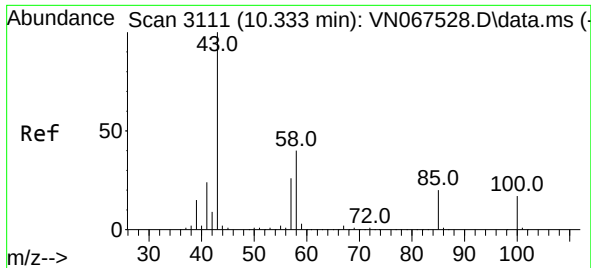
Tgt Ion: 98 Resp: 607902

Ion Ratio Lower Upper

98 100

100 63.4 51.7 77.5

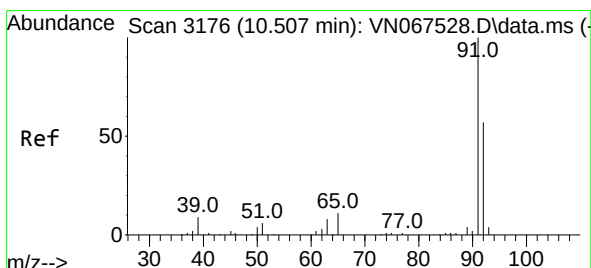
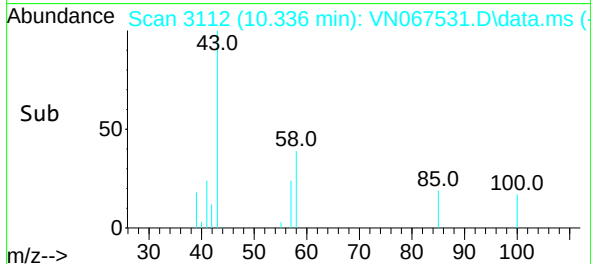
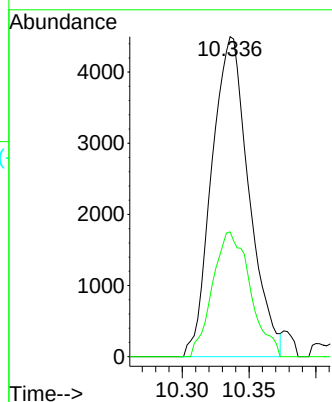
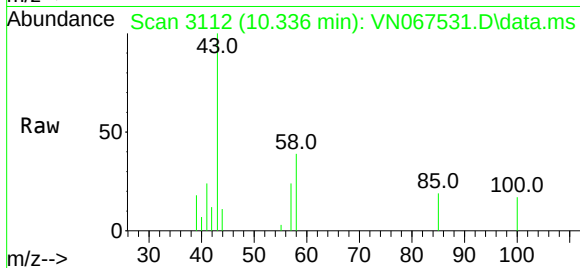




#51
4-Methyl-2-Pentanone
Concen: 2.081 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

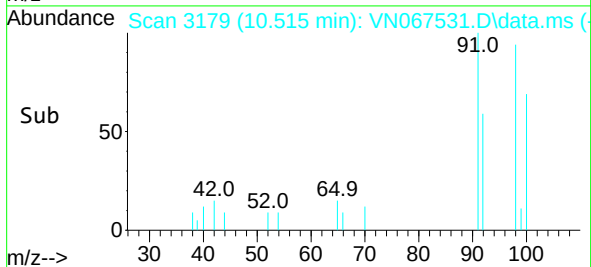
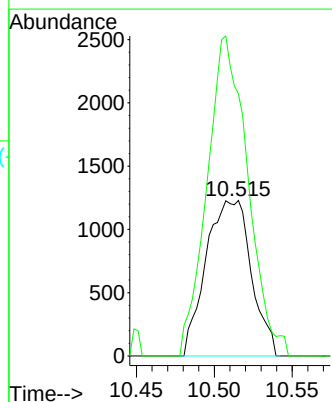
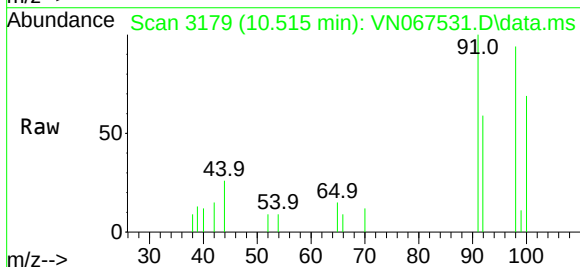
Instrument :
MSVOA_N
ClientSampled :
IBLK

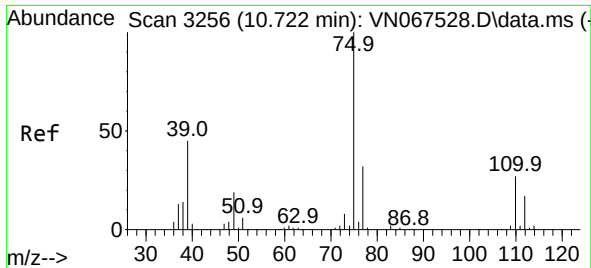
Tgt Ion: 43 Resp: 8714
Ion Ratio Lower Upper
43 100
58 39.4 28.6 43.0



#52
Toluene
Concen: 0.283 ug/l
RT: 10.515 min Scan# 3179
Delta R.T. 0.008 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion: 92 Resp: 2481
Ion Ratio Lower Upper
92 100
91 185.0 139.6 209.4

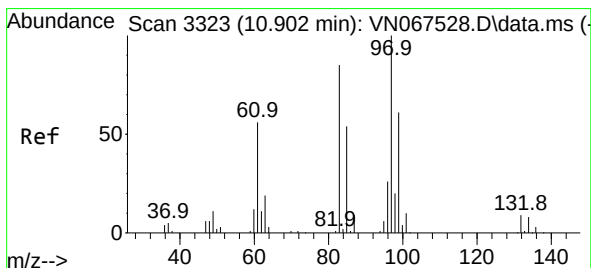
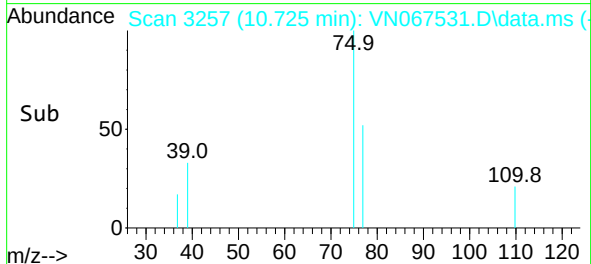
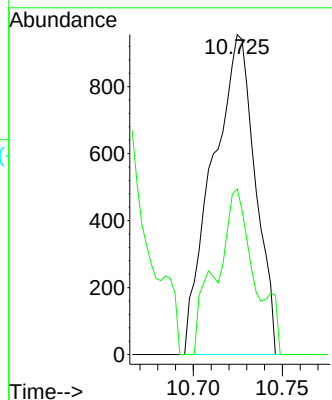
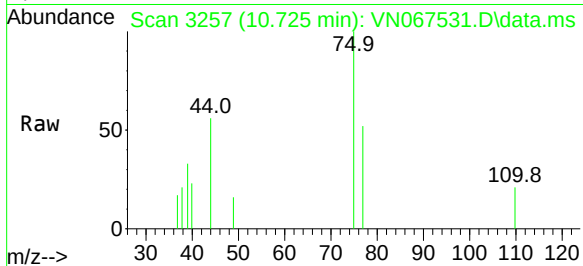




#53
t-1,3-Dichloropropene
Concen: 2.529 ug/l
RT: 10.725 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

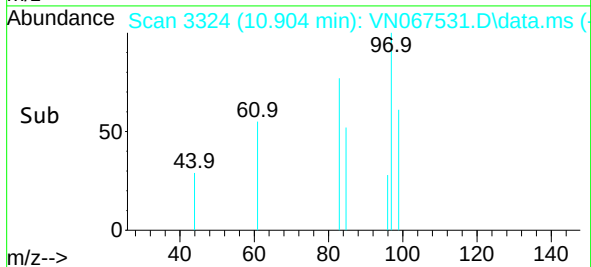
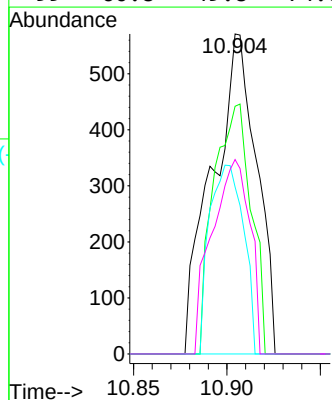
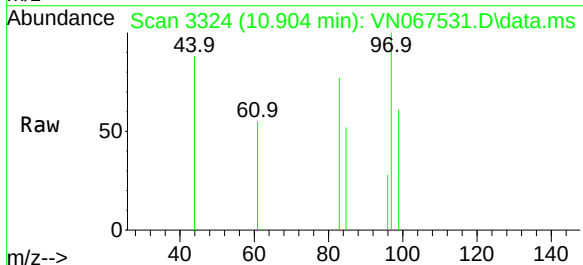
Instrument :
MSVOA_N
ClientSampled :
IBLK

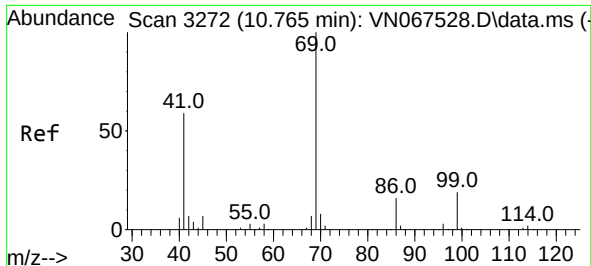
Tgt Ion: 75 Resp: 1593
Ion Ratio Lower Upper
75 100
77 51.8 25.1 37.7#



#55
1,1,2-Trichloroethane
Concen: 0.276 ug/l
RT: 10.904 min Scan# 3324
Delta R.T. 0.002 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion: 97 Resp: 941
Ion Ratio Lower Upper
97 100
83 77.4 72.0 108.0
85 52.2 46.8 70.2
99 60.8 49.8 74.6

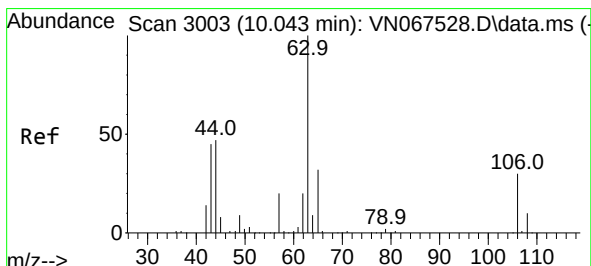
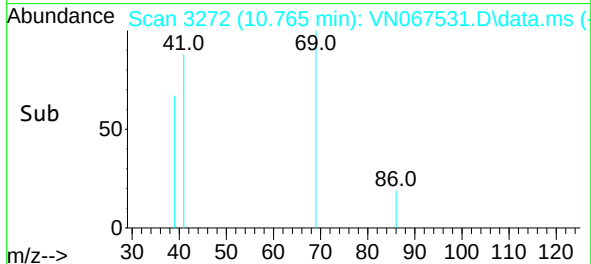
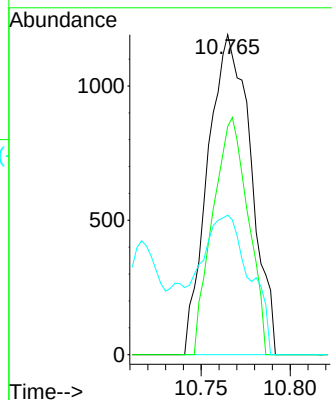
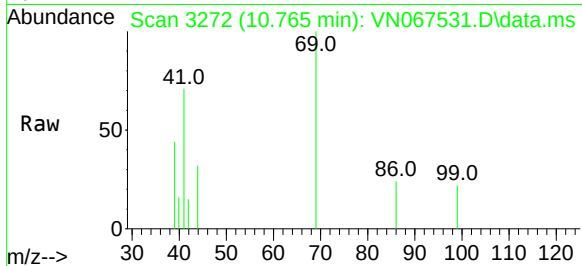




#56
Ethyl methacrylate
Concen: 0.387 ug/l
RT: 10.765 min Scan# 3272
Delta R.T. -0.000 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

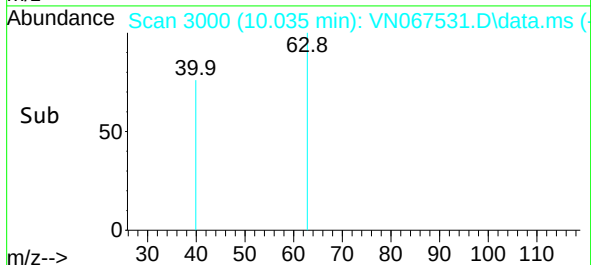
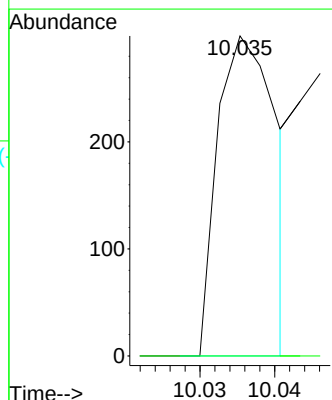
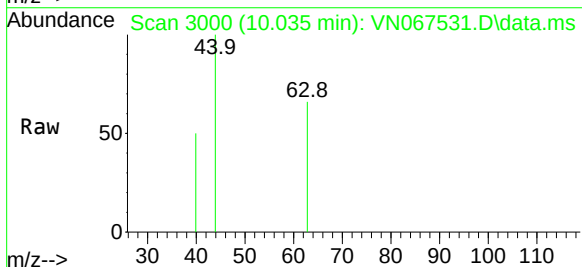
Instrument :
MSVOA_N
ClientSampled :
IBLK

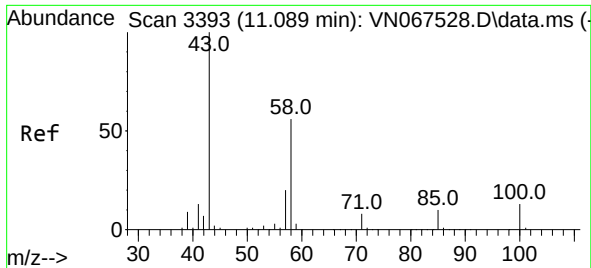
Tgt Ion:	69	Resp:	2001
Ion	Ratio	Lower	Upper
69	100		
41	60.9	58.6	88.0
39	48.3	38.3	57.5



#58
2-Chloroethyl Vinyl ether
Concen: 21.840 ug/l
RT: 10.035 min Scan# 3000
Delta R.T. -0.008 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion:	63	Resp:	164
Ion	Ratio	Lower	Upper
63	100		
106	0.0	19.8	29.8#

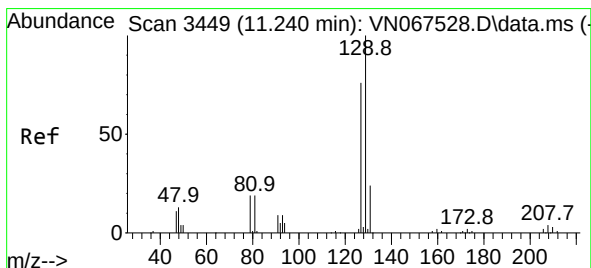
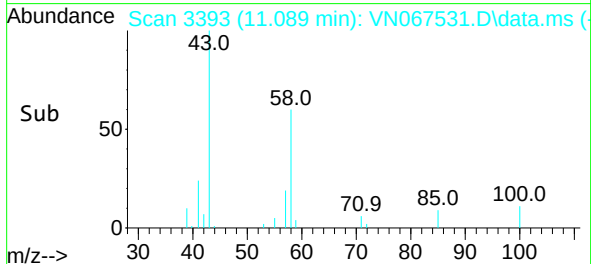
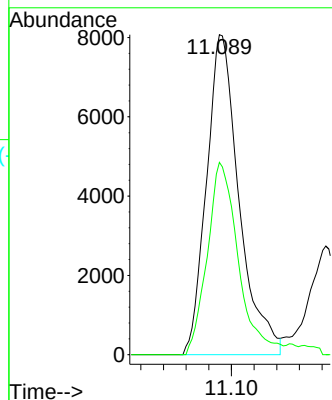
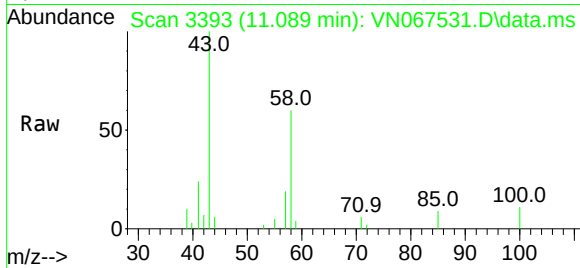




#59
2-Hexanone
Concen: 5.448 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.000 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

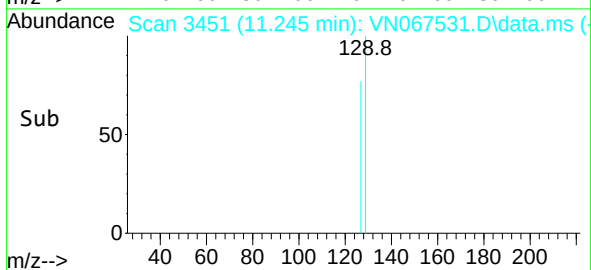
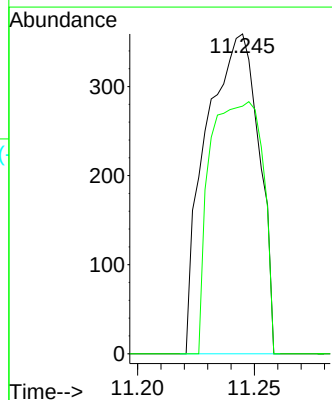
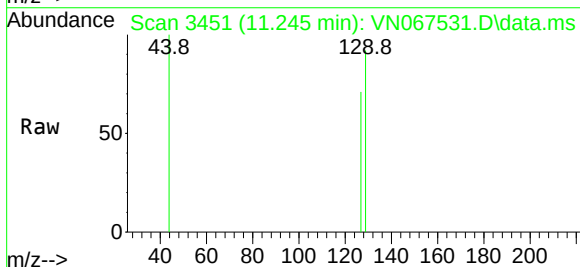
Instrument :
MSVOA_N
ClientSampled :
IBLK

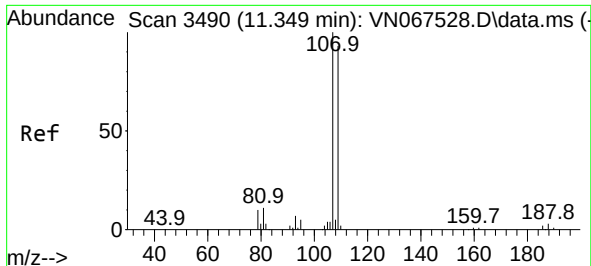
Tgt Ion: 43 Resp: 16106
Ion Ratio Lower Upper
43 100
58 57.3 24.7 74.1



#60
Dibromochloromethane
Concen: 2.542 ug/l
RT: 11.245 min Scan# 3451
Delta R.T. 0.005 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion: 129 Resp: 564
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.8

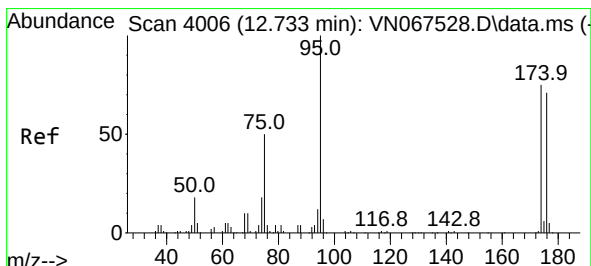
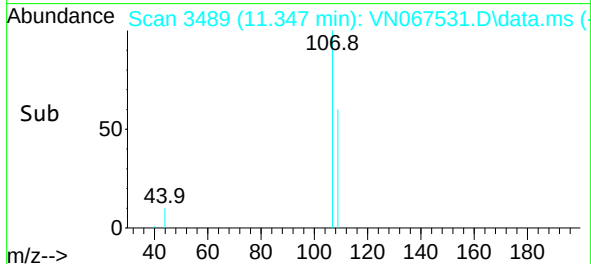
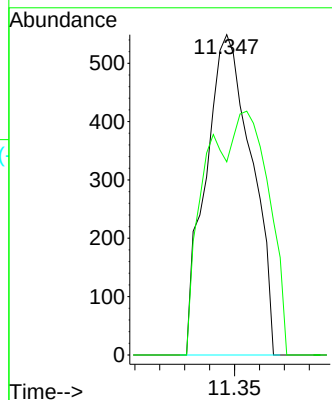
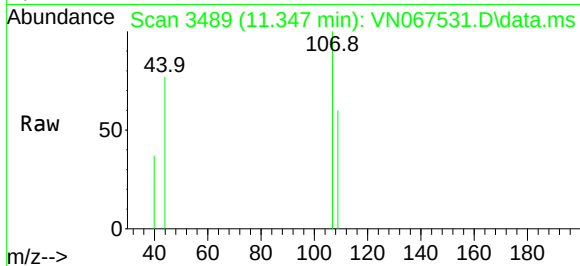




#61
1,2-Dibromoethane
Concen: 0.200 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. -0.002 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

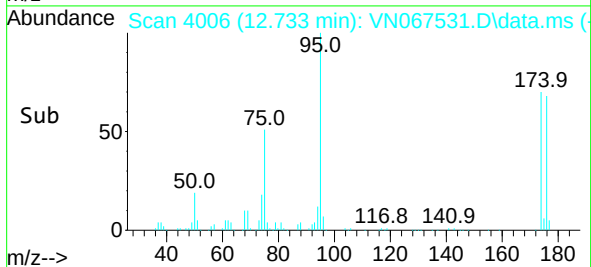
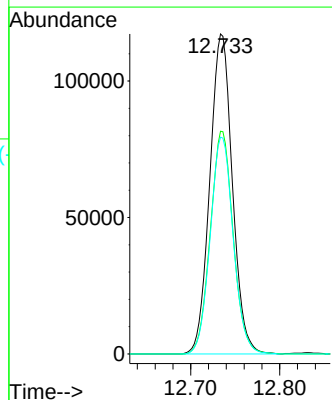
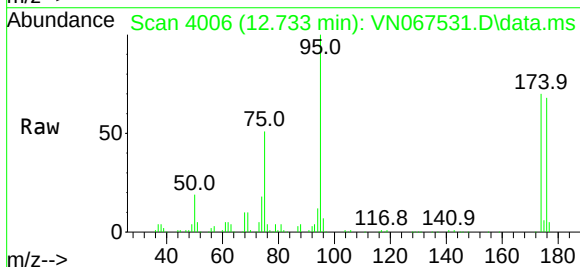
Instrument :
MSVOA_N
ClientSampled :
IBLK

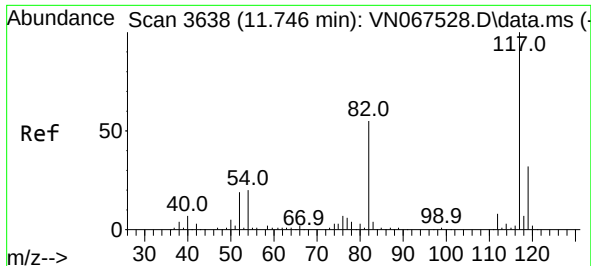
Tgt Ion:107 Resp: 701
Ion Ratio Lower Upper
107 100
109 42.8 75.0 112.4#



#62
4-Bromofluorobenzene
Concen: 47.873 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion: 95 Resp: 206417
Ion Ratio Lower Upper
95 100
174 70.7 0.0 122.0
176 69.1 0.0 117.6

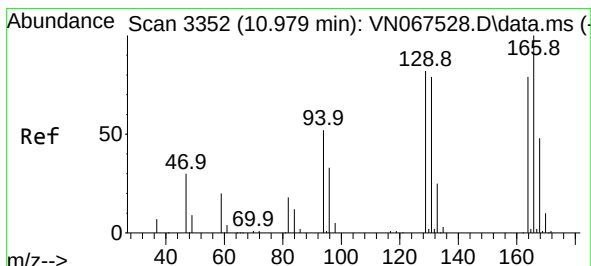
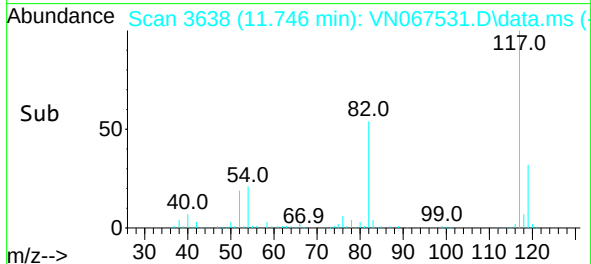
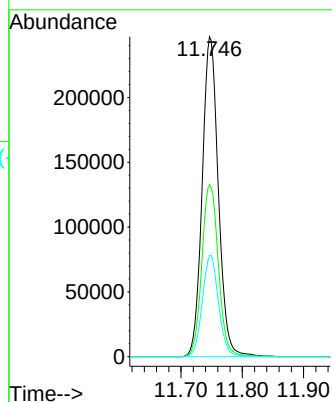
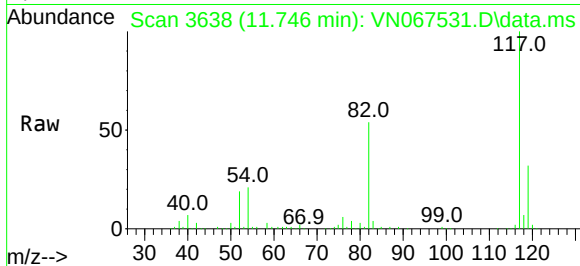




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

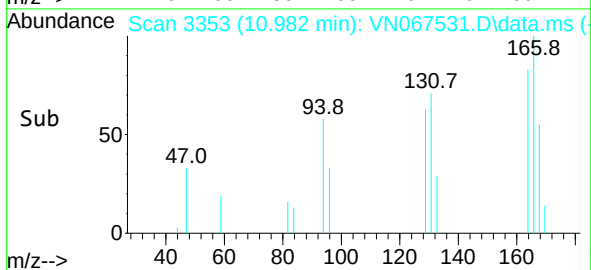
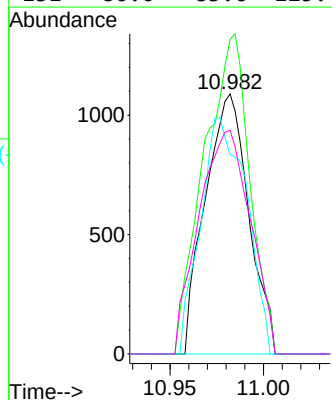
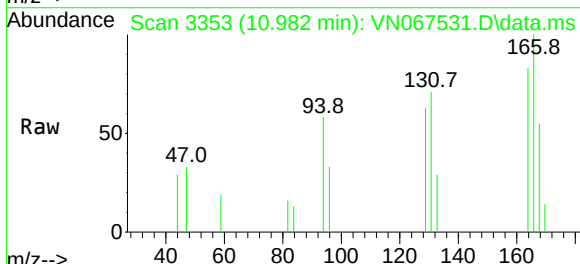
Instrument :
MSVOA_N
ClientSampleId :
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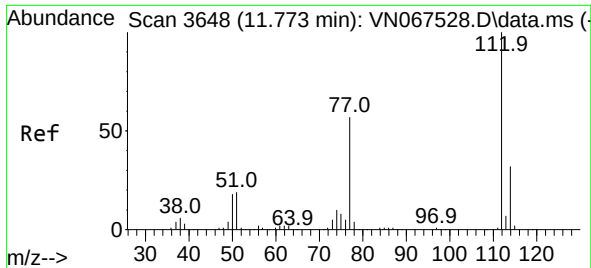
Tgt Ion:117 Resp: 452280
Ion Ratio Lower Upper
117 100
82 53.8 53.1 79.7
119 31.6 25.5 38.3



#64
Tetrachloroethene
Concen: 0.554 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. 0.003 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion:164 Resp: 1756
Ion Ratio Lower Upper
164 100
166 120.9 102.1 153.1
129 76.7 86.9 130.3#
131 86.0 83.6 125.4

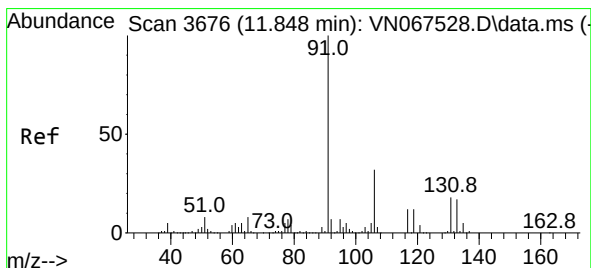
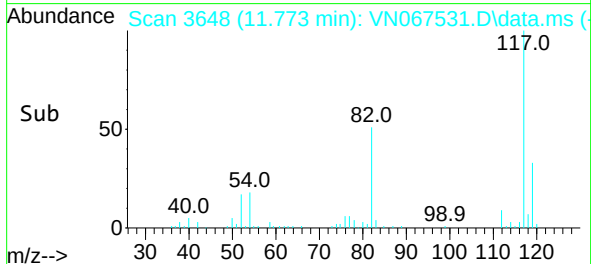
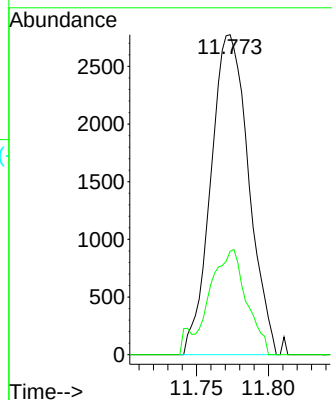
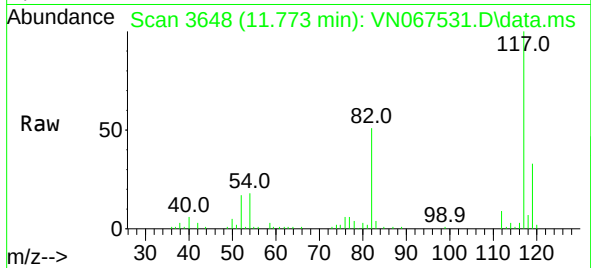




#65
Chlorobenzene
Concen: 0.547 ug/l
RT: 11.773 min Scan# 3648
Delta R.T. 0.000 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

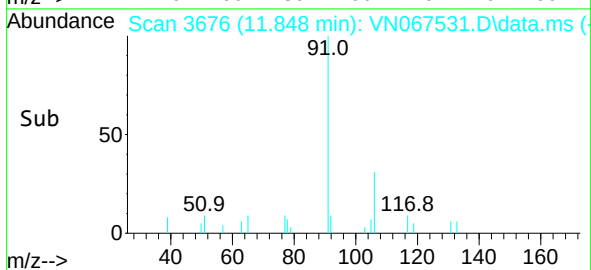
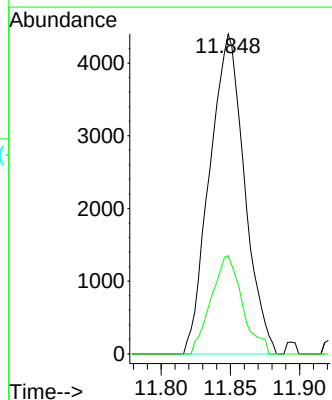
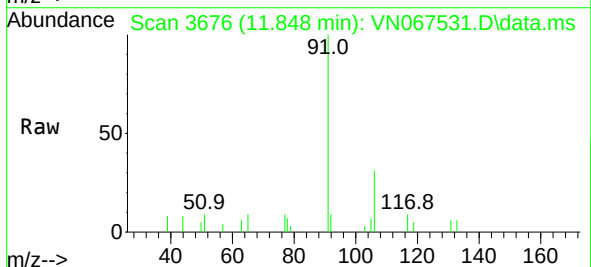
Instrument :
MSVOA_N
ClientSampled :
IBLK

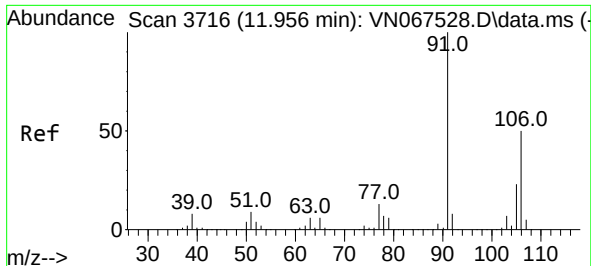
Tgt Ion:112 Resp: 5080
Ion Ratio Lower Upper
112 100
114 32.3 24.6 37.0



#67
Ethyl Benzene
Concen: 0.459 ug/l
RT: 11.848 min Scan# 3676
Delta R.T. 0.000 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion: 91 Resp: 7696
Ion Ratio Lower Upper
91 100
106 30.7 23.4 35.0

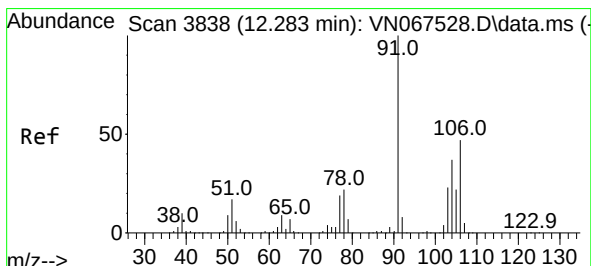
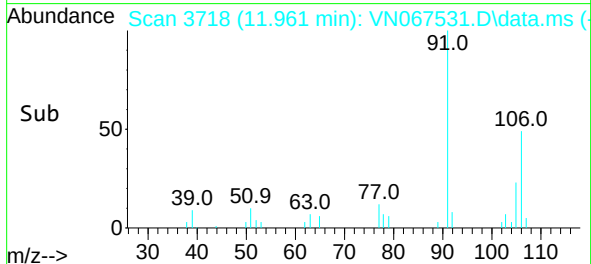
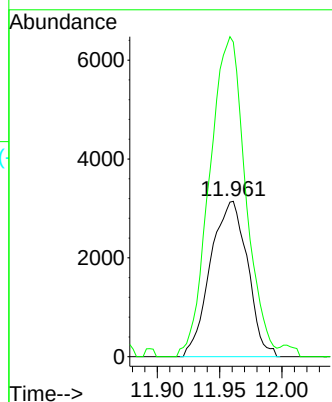
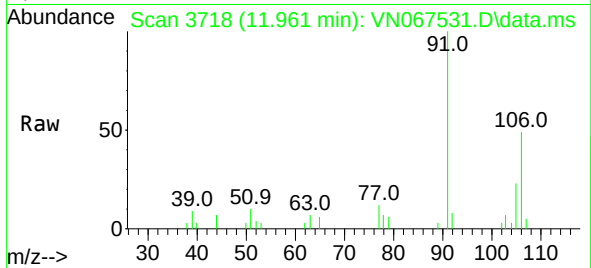




#68
m/p-Xylenes
Concen: 1.009 ug/l
RT: 11.961 min Scan# 3718
Delta R.T. 0.005 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

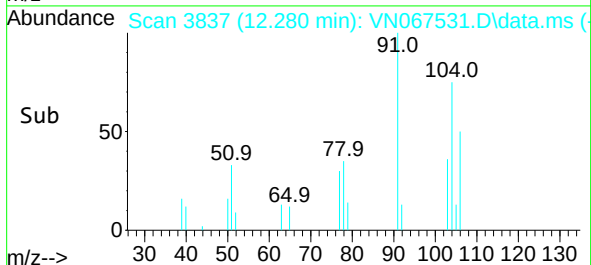
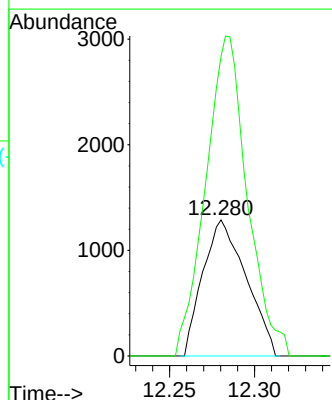
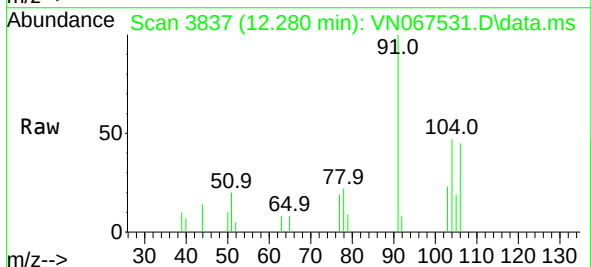
Instrument :
MSVOA_N
ClientSampleId :
IBLK

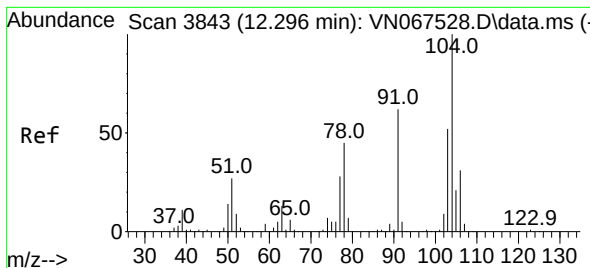
Tgt Ion:106 Resp: 6506
Ion Ratio Lower Upper
106 100
91 200.4 180.6 270.8



#69
o-Xylene
Concen: 0.357 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion:106 Resp: 2282
Ion Ratio Lower Upper
106 100
91 225.6 118.3 354.9





#70

Styrene

Concen: 2.419 ug/l

RT: 12.294 min Scan# 3842

Delta R.T. -0.002 min

Lab File: VN067531.D

Acq: 28 Jun 2021 14:16

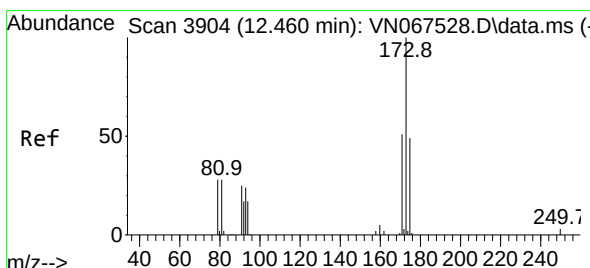
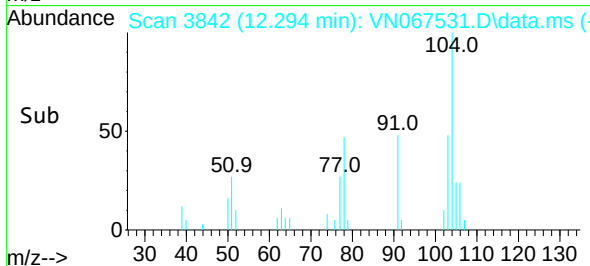
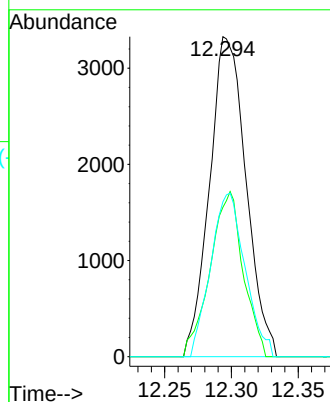
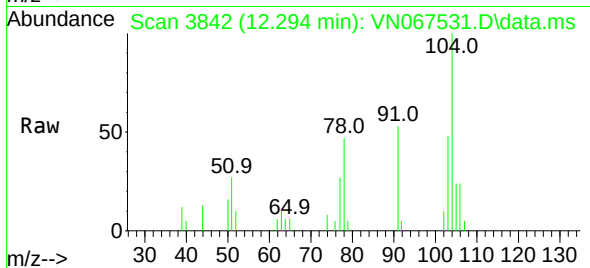
Tgt Ion:104 Resp: 6318

Ion Ratio Lower Upper

104 100

78 46.8 48.2 72.2#

103 48.3 44.5 66.7



#71

Bromoform

Concen: 3.731 ug/l

RT: 12.460 min Scan# 3904

Delta R.T. -0.000 min

Lab File: VN067531.D

Acq: 28 Jun 2021 14:16

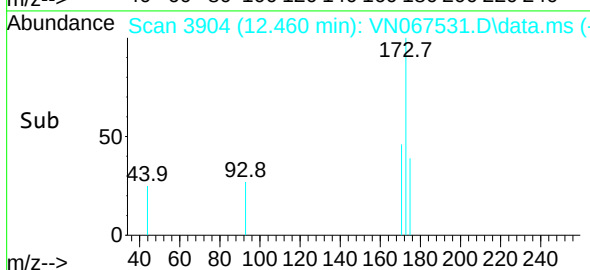
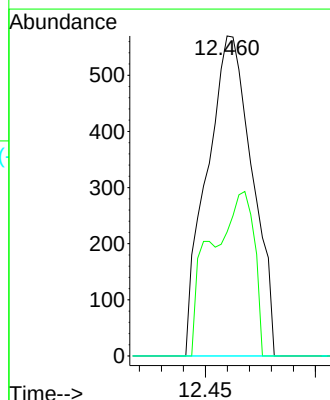
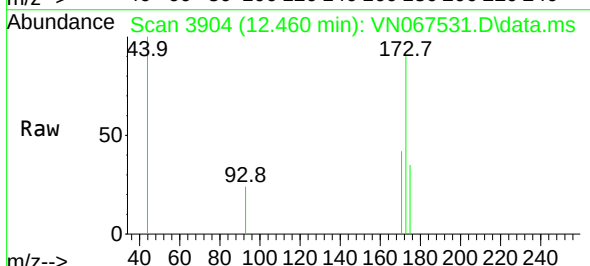
Tgt Ion:173 Resp: 816

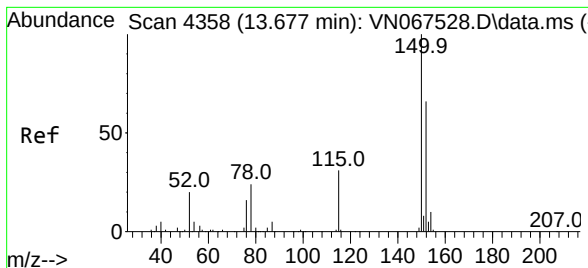
Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.8#

254 0.0 0.0 0.0

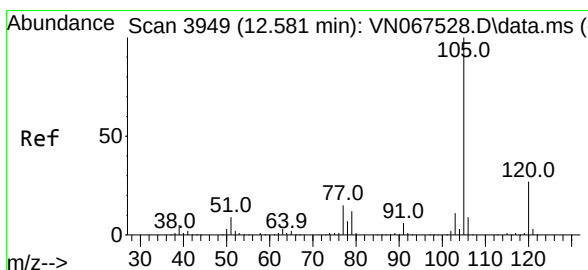
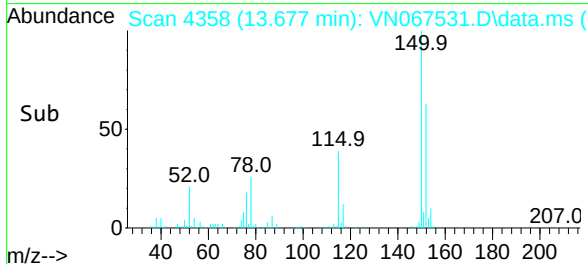
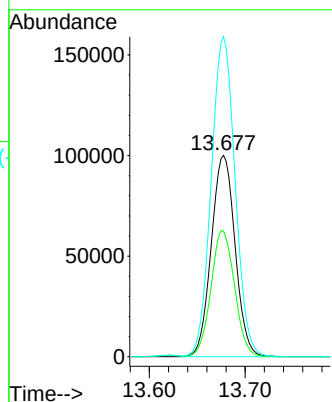
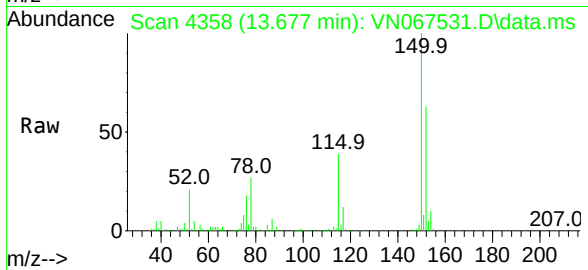




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

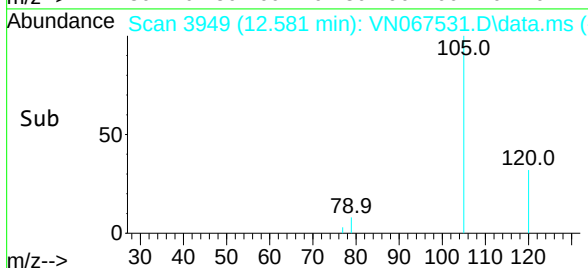
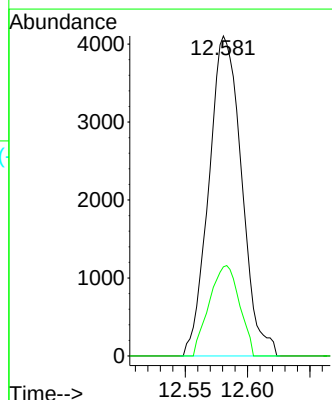
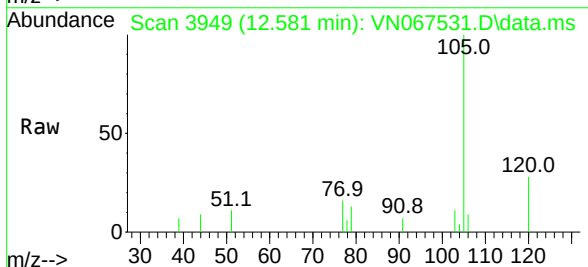
Instrument :
MSVOA_N
ClientSampleId :
IBLK

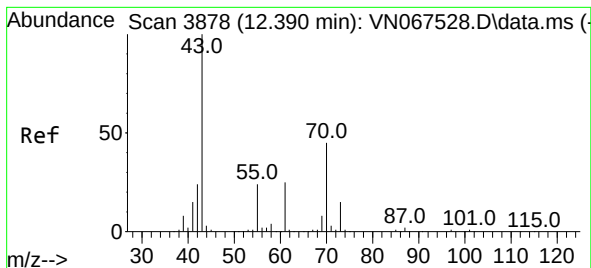
Tgt Ion:152 Resp: 172616
Ion Ratio Lower Upper
152 100
115 62.0 36.1 108.5
150 159.6 0.0 351.8



#73
Isopropylbenzene
Concen: 0.517 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. -0.000 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion:105 Resp: 7500
Ion Ratio Lower Upper
105 100
120 26.0 12.5 37.5

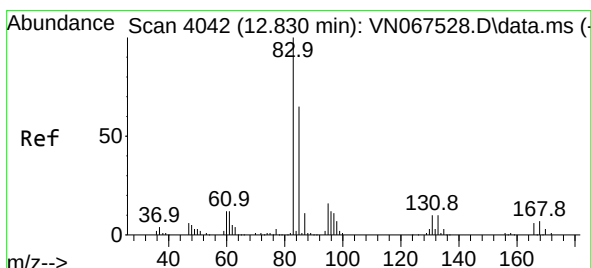
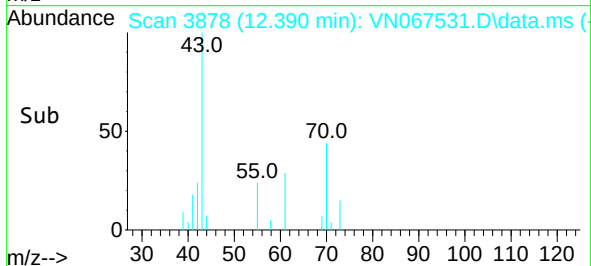
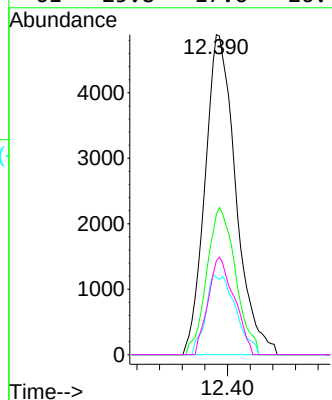
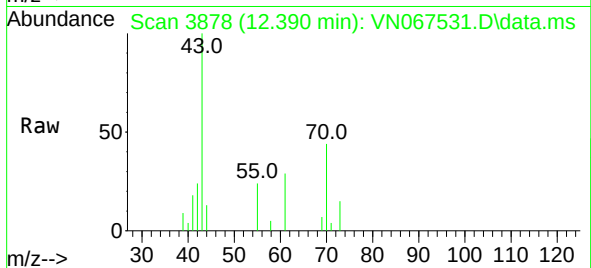




#74
N-amy1 acetate
Concen: 1.932 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.000 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

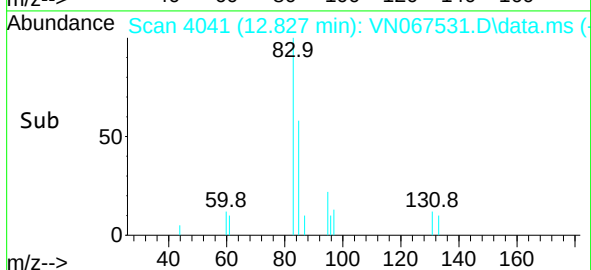
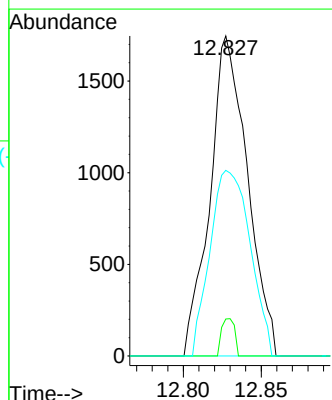
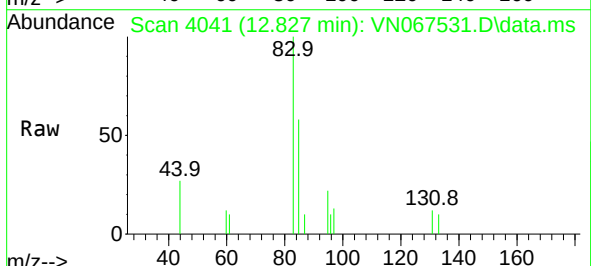
Instrument :
MSVOA_N
ClientSampleId :
IBLK

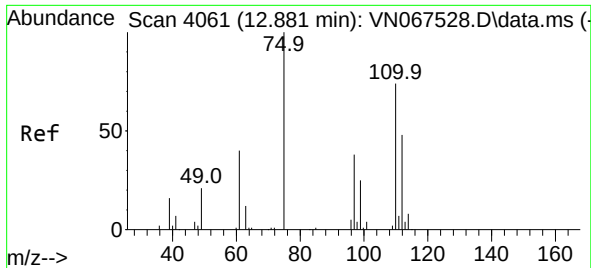
Tgt Ion:	43	Resp:	9197
Ion	Ratio	Lower	Upper
43	100		
70	43.1	29.4	44.2
55	24.2	17.0	25.4
61	25.8	17.6	26.4



#75
1,1,2,2-Tetrachloroethane
Concen: 0.710 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. -0.003 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion:	83	Resp:	2922
Ion	Ratio	Lower	Upper
83	100		
131	4.0	4.8	14.4#
85	62.1	32.2	96.6

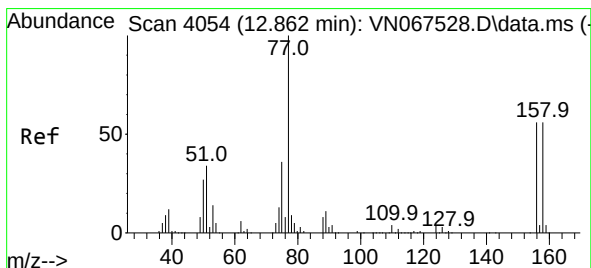
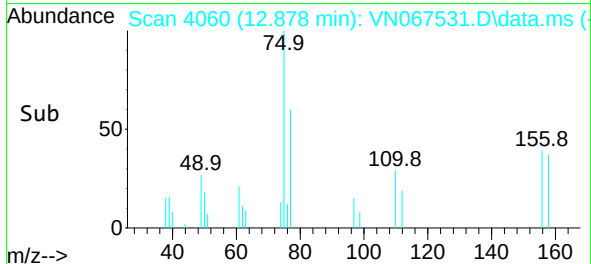
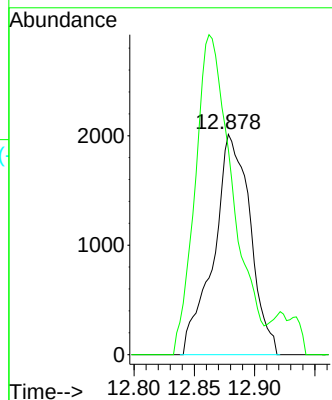
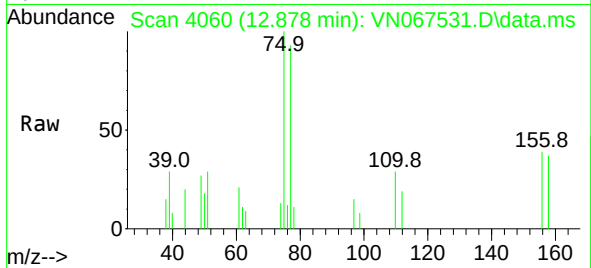




#76
1,2,3-Trichloropropane
Concen: 1.224 ug/l
RT: 12.878 min Scan# 4060
Delta R.T. -0.003 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

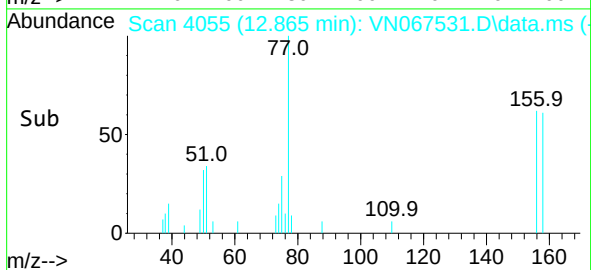
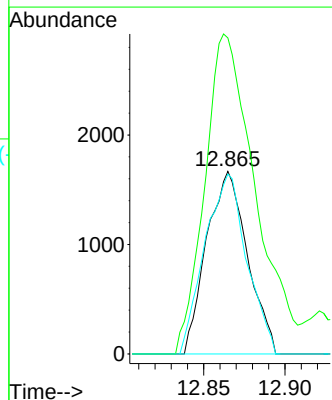
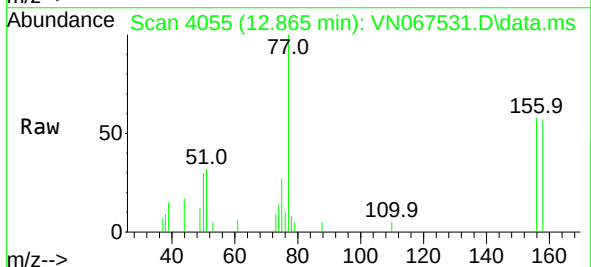
Instrument :
MSVOA_N
ClientSampled :
IBLK

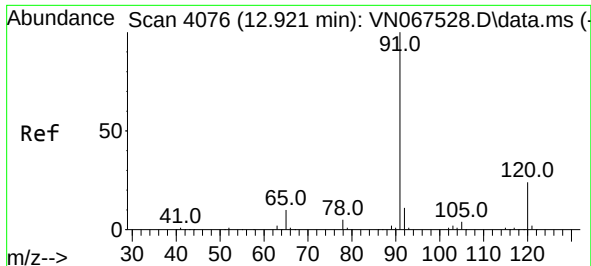
Tgt Ion: 75 Resp: 4235
Ion Ratio Lower Upper
75 100
77 148.2 0.0 0.0#



#77
Bromobenzene
Concen: 0.902 ug/l
RT: 12.865 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion: 156 Resp: 2906
Ion Ratio Lower Upper
156 100
77 216.0 136.2 408.6
158 101.4 48.4 145.3

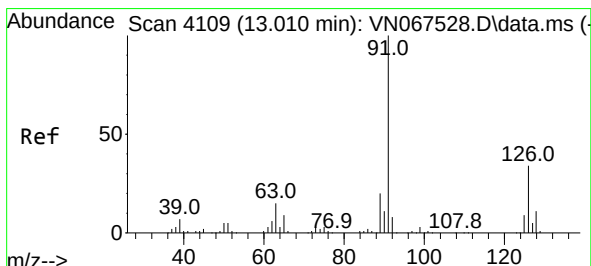
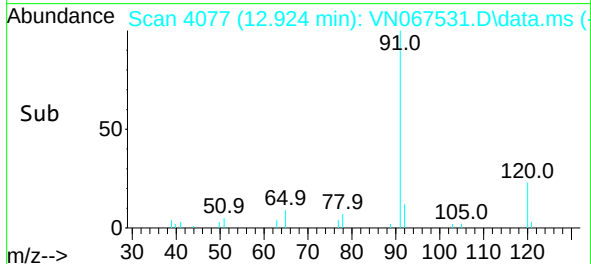
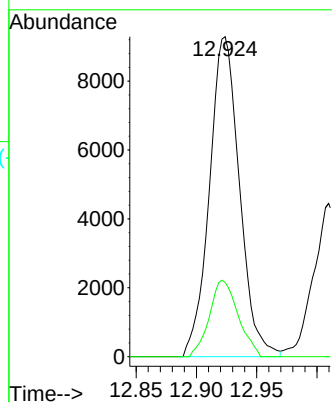
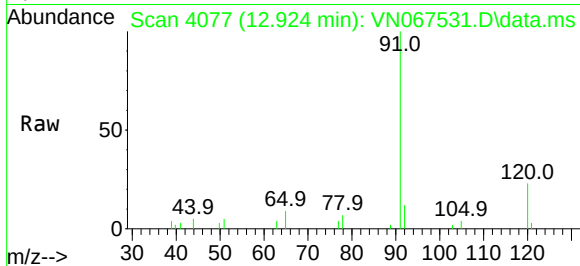




#78
n-propylbenzene
Concen: 0.997 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. 0.003 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

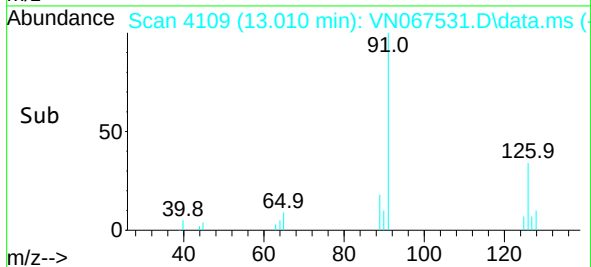
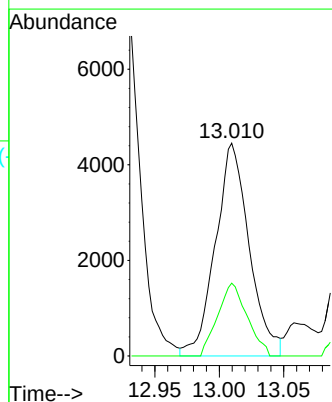
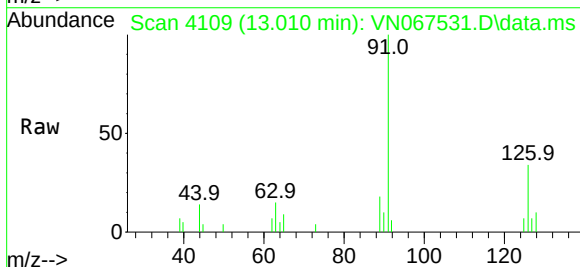
Instrument :
MSVOA_N
ClientSampled :
IBLK

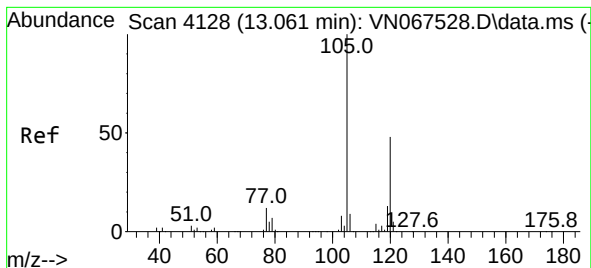
Tgt Ion: 91 Resp: 16123
Ion Ratio Lower Upper
91 100
120 22.8 10.4 31.4



#79
2-Chlorotoluene
Concen: 0.822 ug/l
RT: 13.010 min Scan# 4109
Delta R.T. -0.000 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion: 91 Resp: 8124
Ion Ratio Lower Upper
91 100
126 29.7 14.5 43.5





#80

1,3,5-Trimethylbenzene

Concen: 0.696 ug/l

RT: 13.061 min Scan# 4128

Delta R.T. -0.000 min

Lab File: VN067531.D

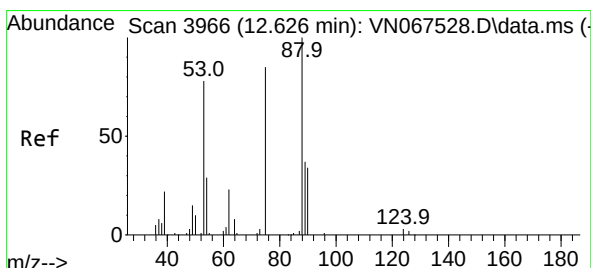
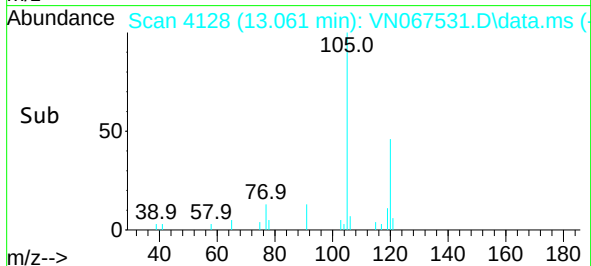
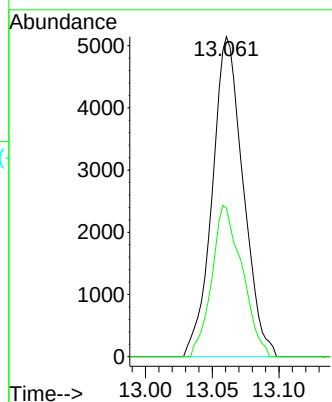
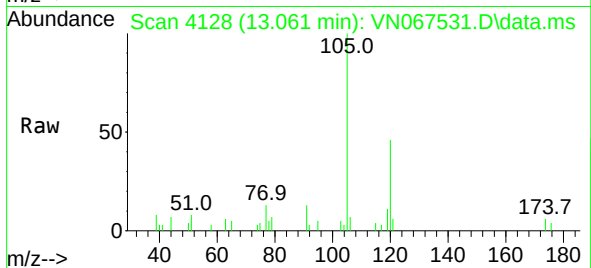
Acq: 28 Jun 2021 14:16

Tgt Ion:105 Resp: 8274

Ion Ratio Lower Upper

105 100

120 46.4 22.2 66.6



#81

trans-1,4-Dichloro-2-butene

Concen: 88.023 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. 0.107 min

Lab File: VN067531.D

Acq: 28 Jun 2021 14:16

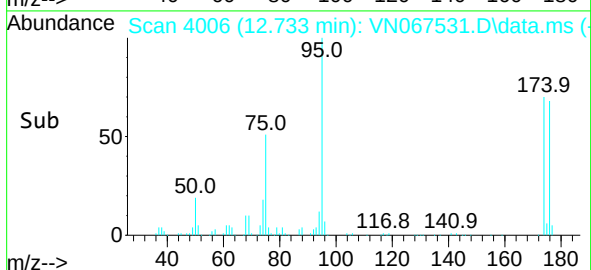
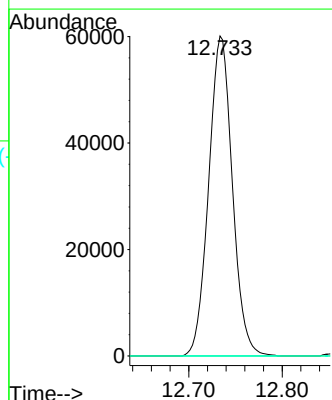
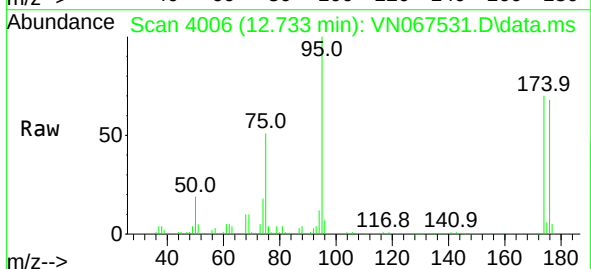
Tgt Ion: 75 Resp: 105929

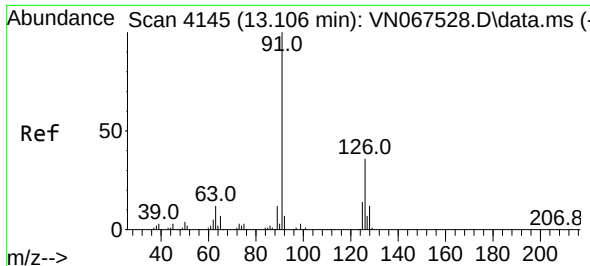
Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.0 37.8 56.8#

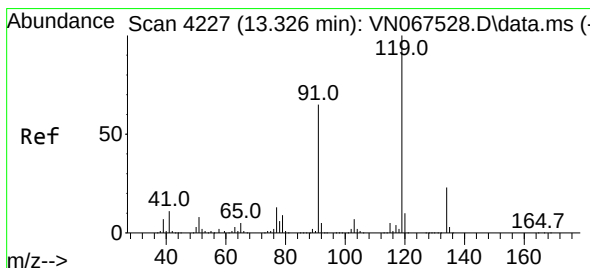
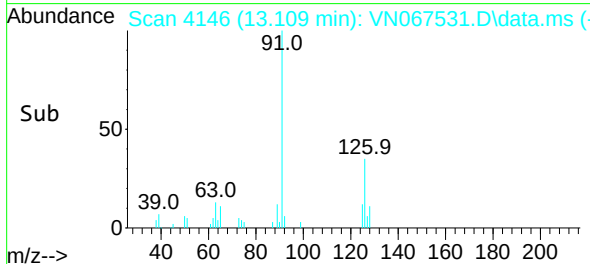
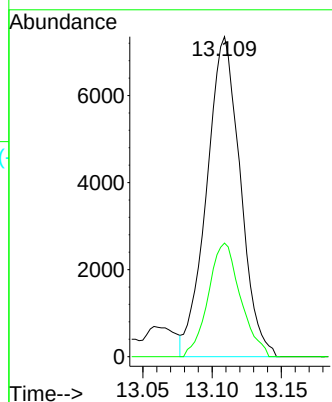
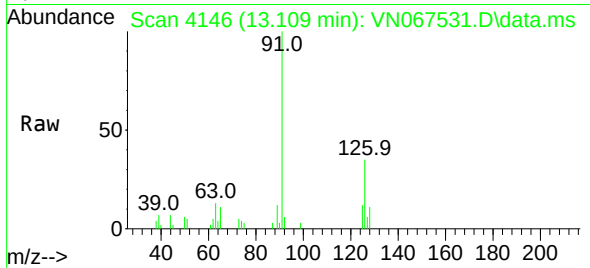




#82
4-Chlorotoluene
Concen: 1.284 ug/l
RT: 13.109 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

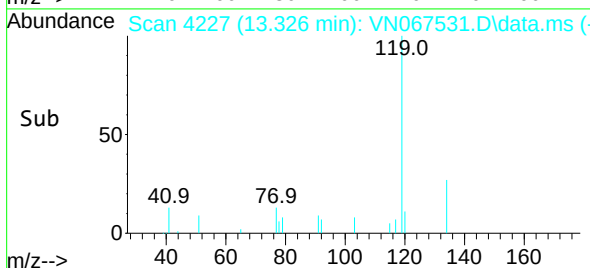
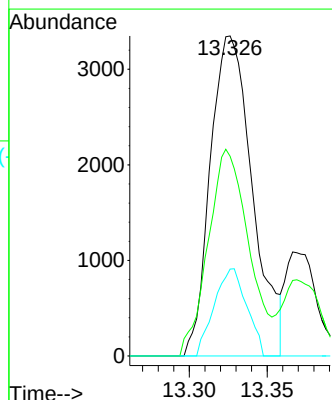
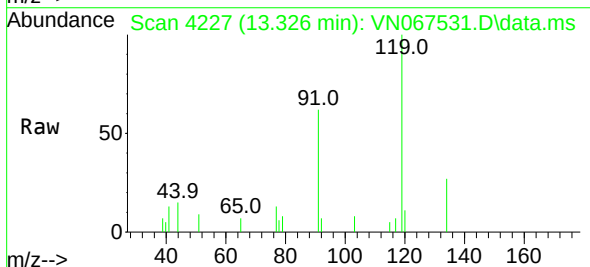
Instrument :
MSVOA_N
ClientSampleId :
IBLK

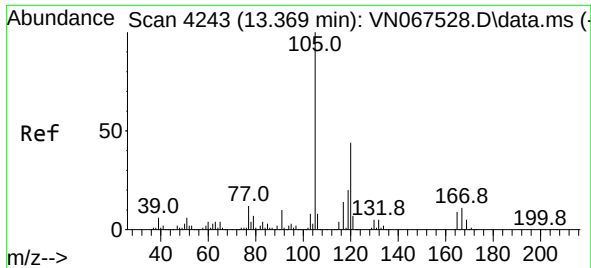
Tgt Ion: 91 Resp: 12400
Ion Ratio Lower Upper
91 100
126 34.1 14.8 44.4



#83
tert-Butylbenzene
Concen: 0.611 ug/l
RT: 13.326 min Scan# 4227
Delta R.T. 0.000 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion: 119 Resp: 6304
Ion Ratio Lower Upper
119 100
91 62.1 39.5 118.5
134 21.0 12.0 36.0

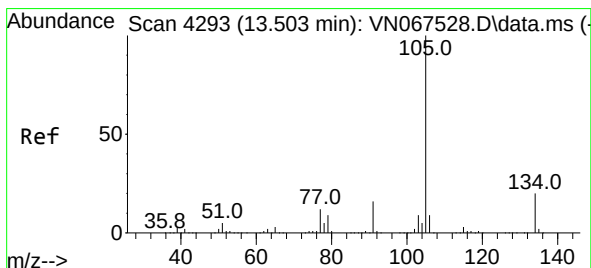
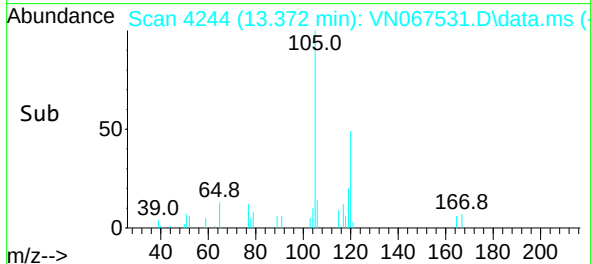
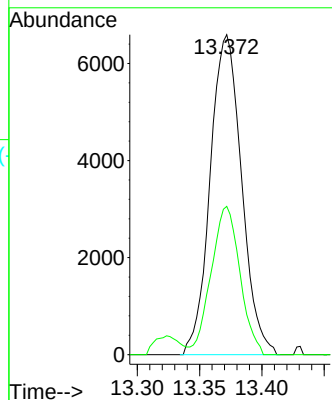
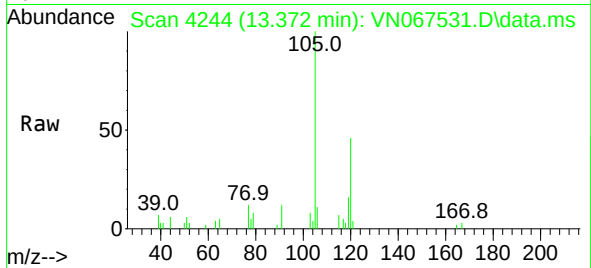




#84
1,2,4-Trimethylbenzene
Concen: 0.987 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

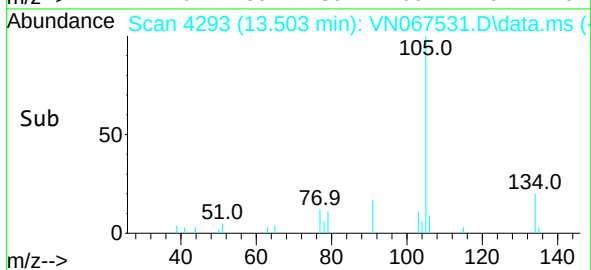
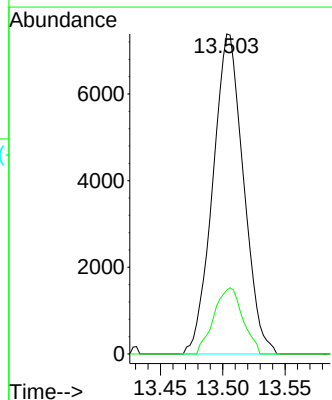
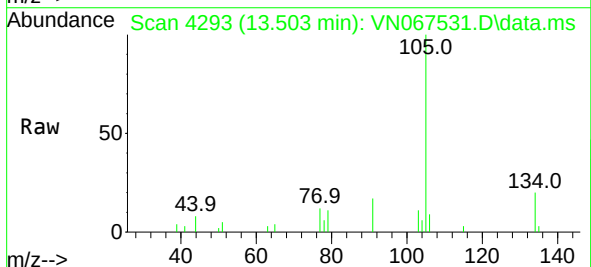
Instrument :
MSVOA_N
ClientSampled :
IBLK

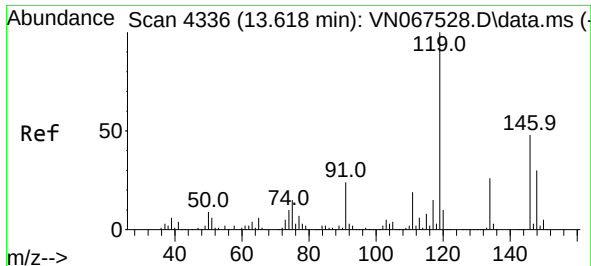
Tgt Ion:105 Resp: 11556
Ion Ratio Lower Upper
105 100
120 42.5 20.6 61.8



#85
sec-Butylbenzene
Concen: 0.892 ug/l
RT: 13.503 min Scan# 4293
Delta R.T. 0.000 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion:105 Resp: 12655
Ion Ratio Lower Upper
105 100
134 19.4 9.0 27.1

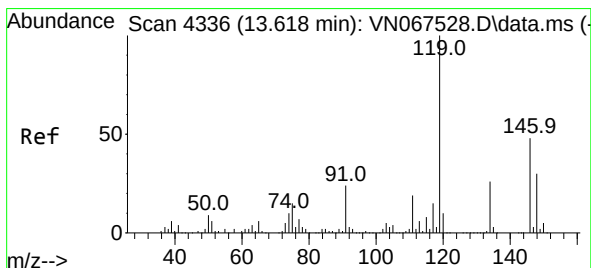
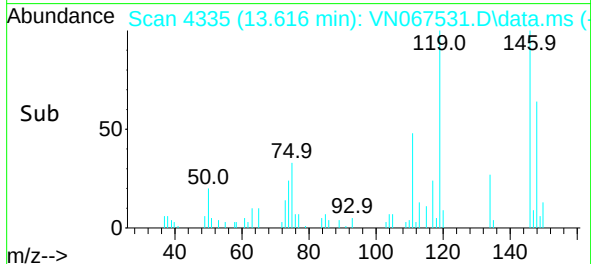
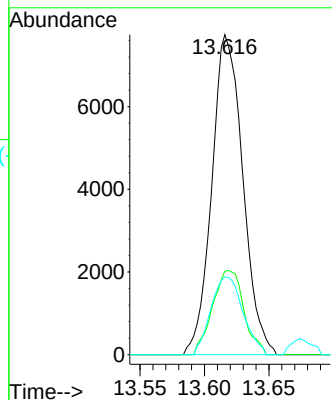
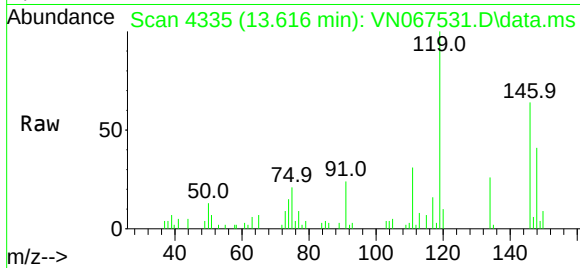




#86
p-Isopropyltoluene
Concen: 1.134 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.002 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

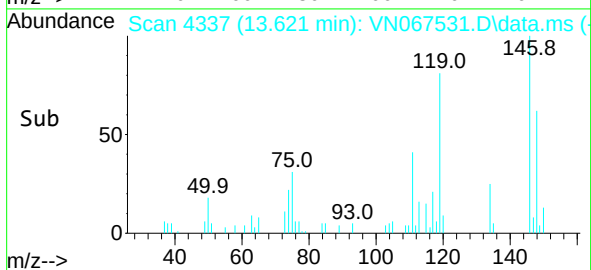
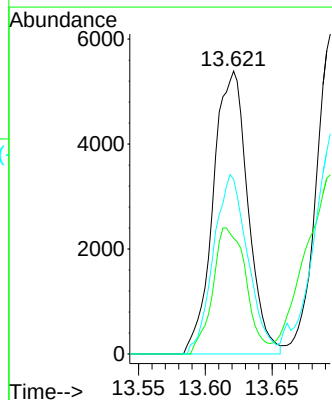
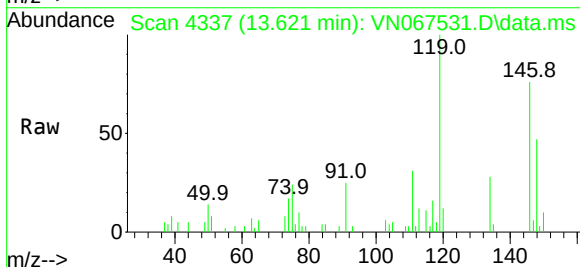
Instrument :
MSVOA_N
ClientSampleId :
IBLK

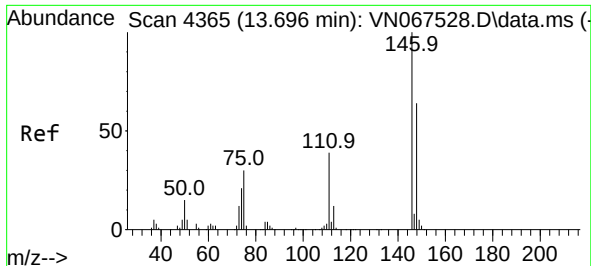
Tgt Ion:119 Resp: 12947
Ion Ratio Lower Upper
119 100
134 26.5 12.4 37.4
91 25.1 14.8 44.3



#87
1,3-Dichlorobenzene
Concen: 1.632 ug/l
RT: 13.621 min Scan# 4337
Delta R.T. 0.003 min
Lab File: VN067531.D
Acq: 28 Jun 2021 14:16

Tgt Ion:146 Resp: 9732
Ion Ratio Lower Upper
146 100
111 42.8 24.3 72.8
148 62.6 32.0 96.0





#88

1,4-Dichlorobenzene

Concen: 1.970 ug/l

RT: 13.699 min Scan# 4366

Delta R.T. 0.003 min

Lab File: VN067531.D

Acq: 28 Jun 2021 14:16

Tgt Ion:146 Resp: 11608

Ion Ratio Lower Upper

146 100

111 66.3 23.4 70.2

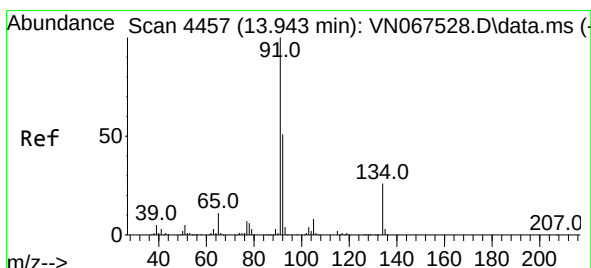
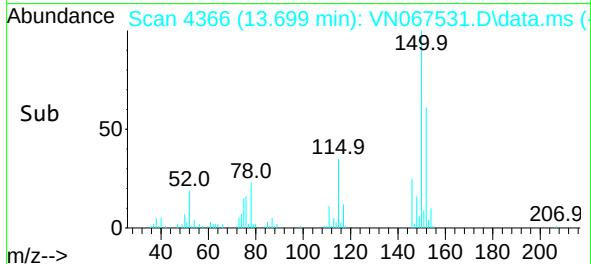
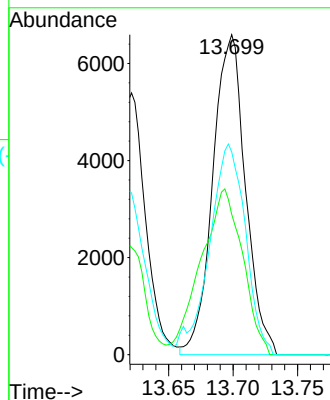
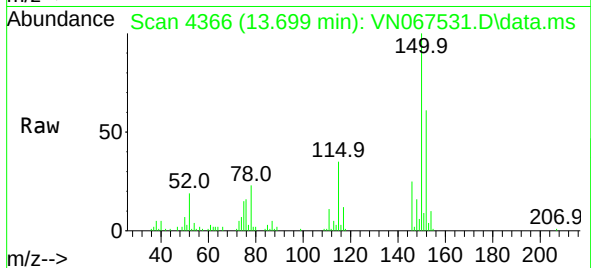
148 70.4 31.8 95.3

Instrument :

MSVOA_N

ClientSampleId :

IBLK



#89

n-Butylbenzene

Concen: 2.472 ug/l

RT: 13.946 min Scan# 4458

Delta R.T. 0.003 min

Lab File: VN067531.D

Acq: 28 Jun 2021 14:16

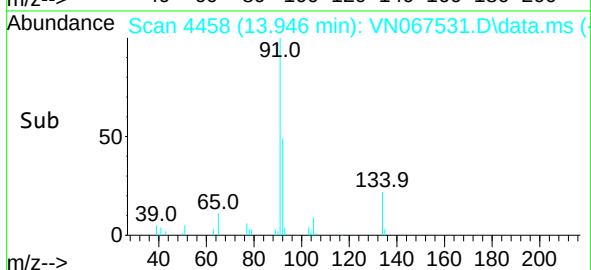
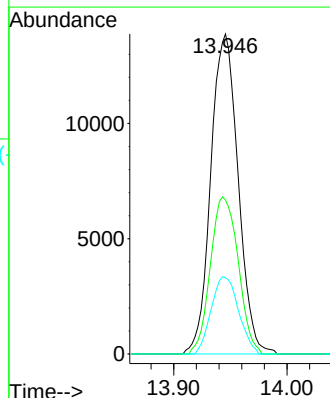
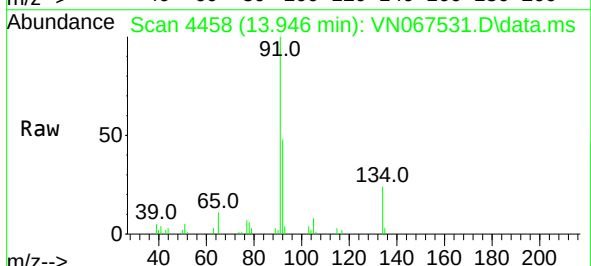
Tgt Ion: 91 Resp: 23267

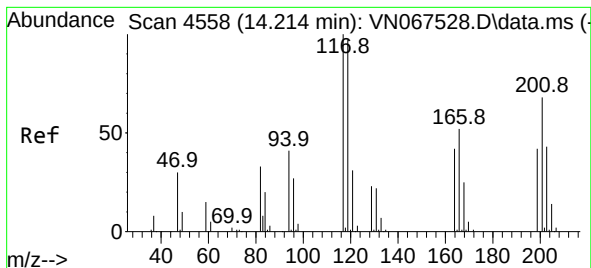
Ion Ratio Lower Upper

91 100

92 49.9 25.7 77.1

134 24.1 11.2 33.6





#90

Hexachloroethane

Concen: 0.253 ug/l

RT: 14.217 min Scan# 4559

Delta R.T. 0.003 min

Lab File: VN067531.D

Acq: 28 Jun 2021 14:16

Instrument :

MSVOA_N

ClientSampleId :

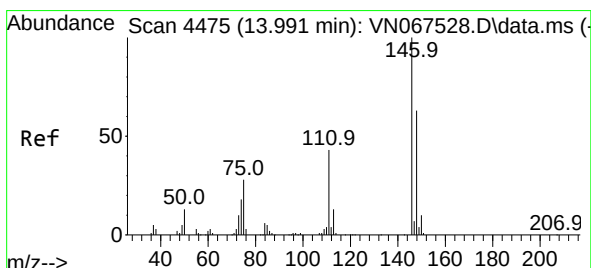
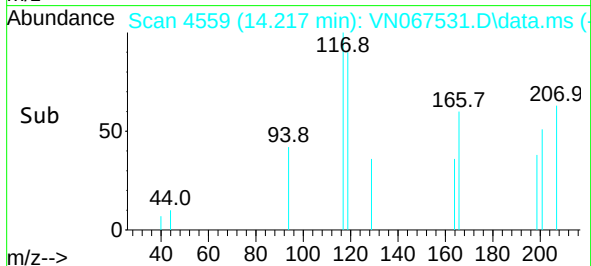
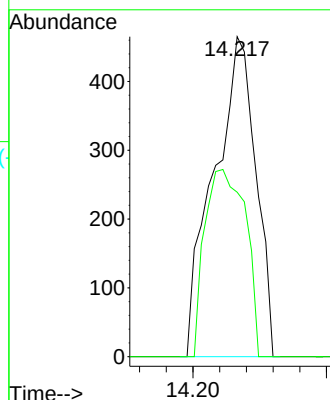
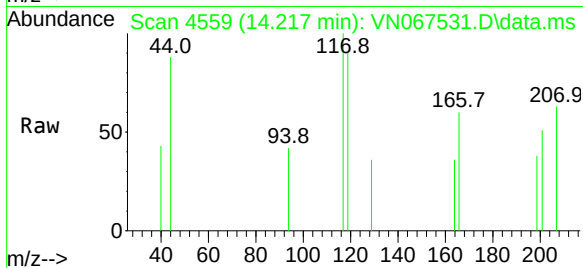
IBLK

Tgt Ion:117 Resp: 509

Ion Ratio Lower Upper

117 100

201 56.6 33.5 100.5



#91

1,2-Dichlorobenzene

Concen: 1.768 ug/l

RT: 13.989 min Scan# 4474

Delta R.T. -0.002 min

Lab File: VN067531.D

Acq: 28 Jun 2021 14:16

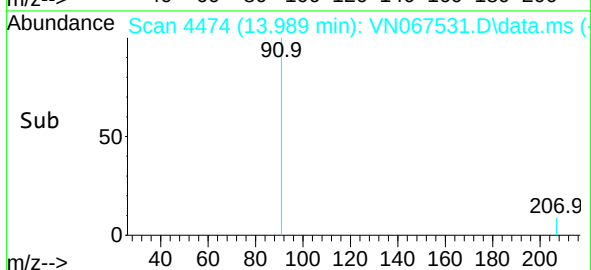
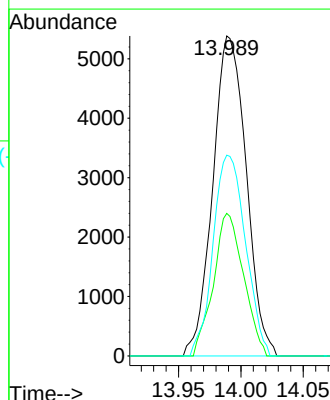
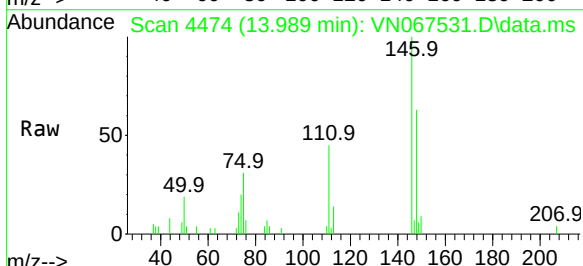
Tgt Ion:146 Resp: 10042

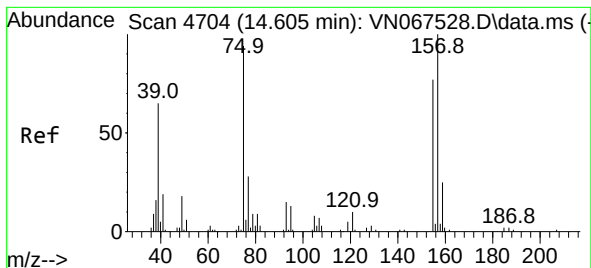
Ion Ratio Lower Upper

146 100

111 40.3 24.9 74.6

148 60.9 31.6 95.0

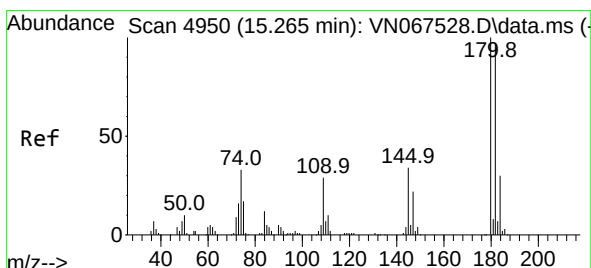
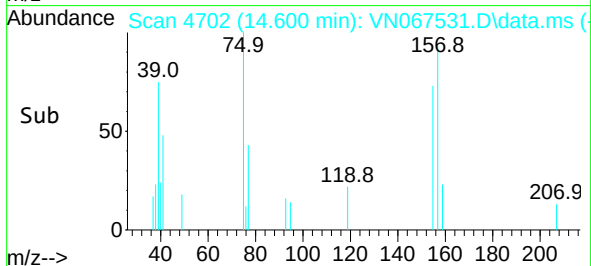
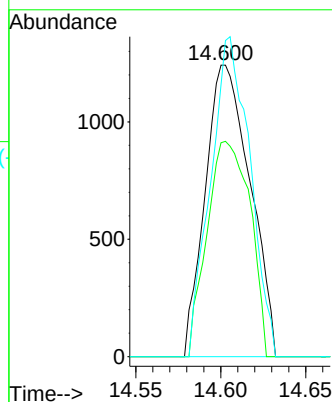
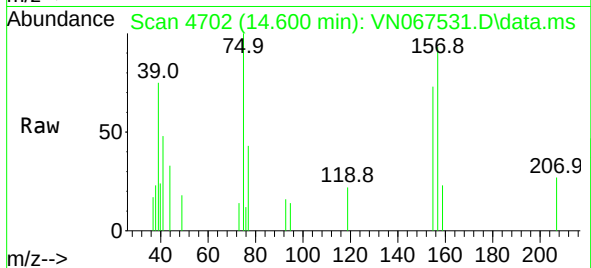




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.167 ug/l
 RT: 14.600 min Scan# 4702
 Delta R.T. -0.005 min
 Lab File: VN067531.D
 Acq: 28 Jun 2021 14:16

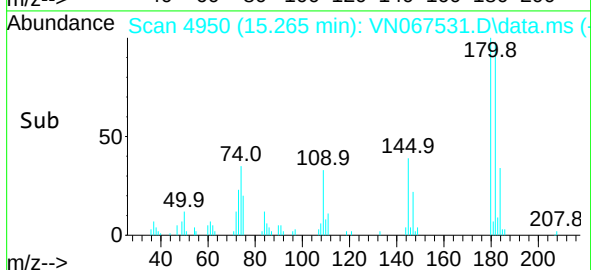
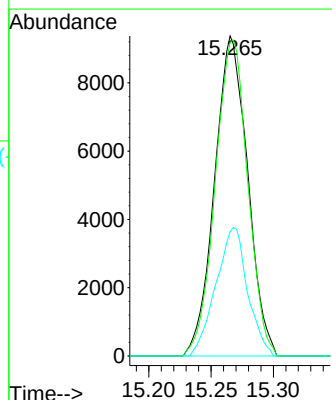
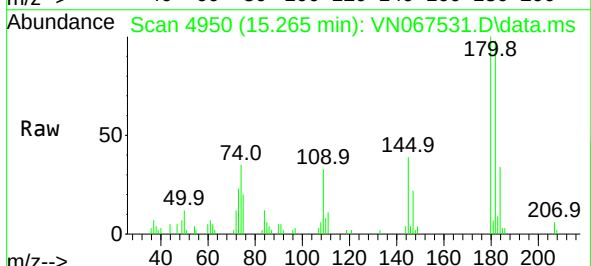
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

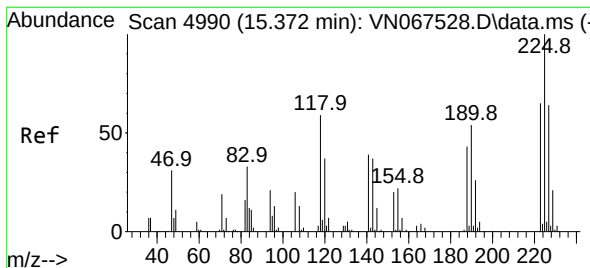
Tgt Ion: 75	Resp:	2281
Ion Ratio	Lower	Upper
75	100	
155	70.8	29.8 89.5
157	96.2	37.6 112.8



#93
 1,2,4-Trichlorobenzene
 Concen: 6.910 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN067531.D
 Acq: 28 Jun 2021 14:16

Tgt Ion: 180	Resp:	17279
Ion Ratio	Lower	Upper
180	100	
182	97.0	47.5 142.5
145	38.4	17.2 51.6





#94

Hexachlorobutadiene

Concen: 2.964 ug/l

RT: 15.378 min Scan# 4992

Delta R.T. 0.006 min

Lab File: VN067531.D

Acq: 28 Jun 2021 14:16

Instrument :

MSVOA_N

ClientSampleId :

IBLK

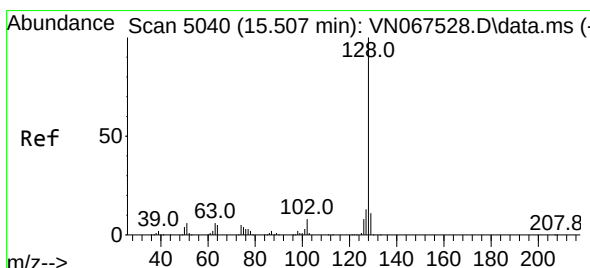
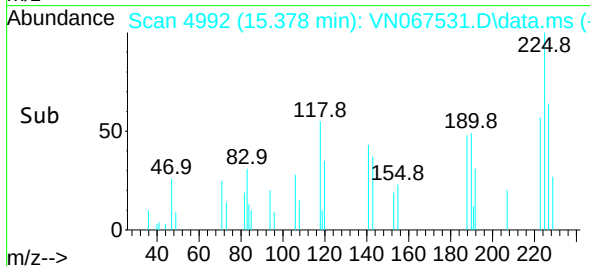
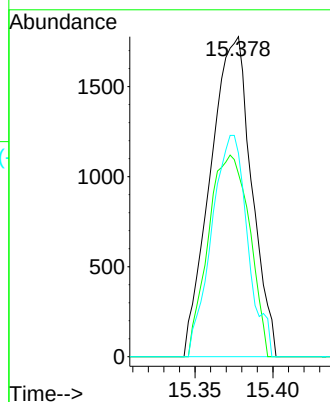
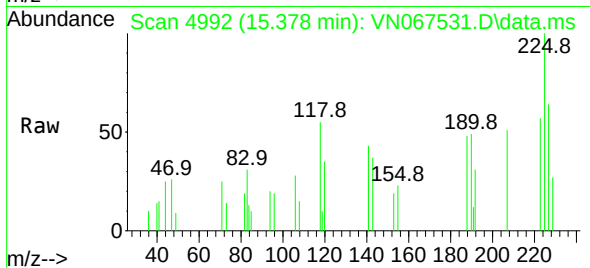
Tgt Ion:225 Resp: 3267

Ion Ratio Lower Upper

225 100

223 63.0 31.4 94.0

227 60.5 31.2 93.6



#95

Naphthalene

Concen: 15.913 ug/l

RT: 15.509 min Scan# 5041

Delta R.T. 0.002 min

Lab File: VN067531.D

Acq: 28 Jun 2021 14:16

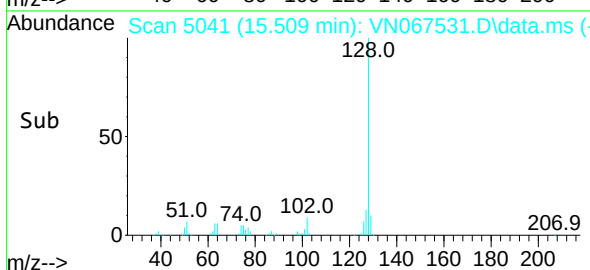
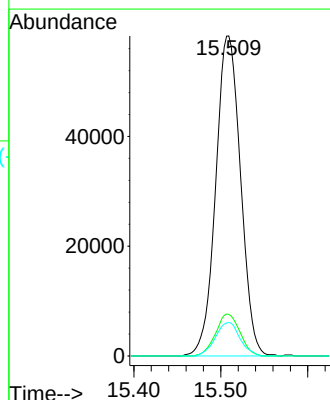
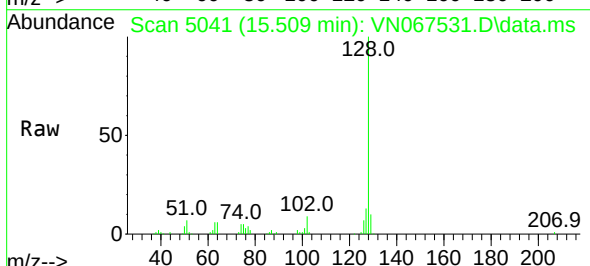
Tgt Ion:128 Resp: 115728

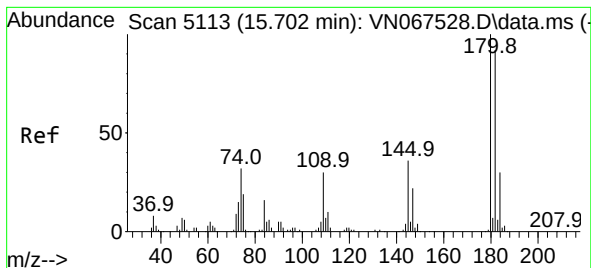
Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

129 10.3 8.6 12.8





#96

1,2,3-Trichlorobenzene

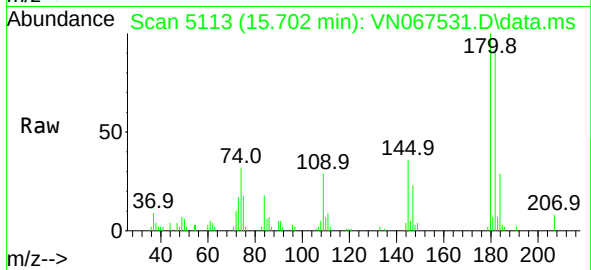
Concen: 9.634 ug/l

RT: 15.702 min Scan# 5113

Delta R.T. 0.000 min

Lab File: VN067531.D

Acq: 28 Jun 2021 14:16



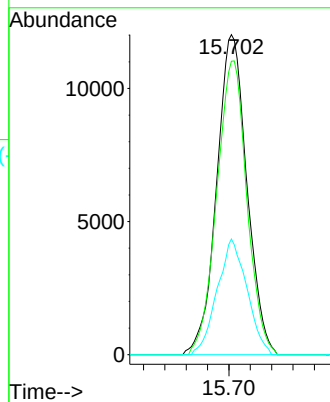
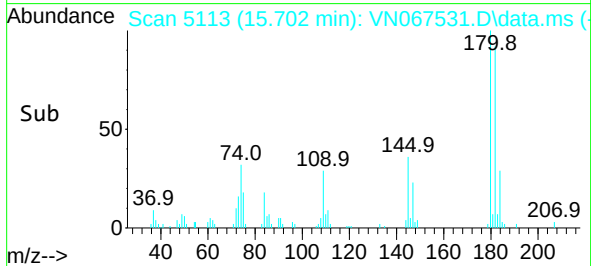
Tgt Ion:180 Resp: 23581

Ion Ratio Lower Upper

180 100

182 91.7 47.8 143.3

145 35.7 18.2 54.6



Instrument :
MSVOA_N
ClientSampleId :
IBLK