

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111021\
 Data File : VN069441.D
 Acq On : 10 Nov 2021 14:41
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 10 18:02:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	181898	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	1049948	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	904827	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	483762	30.665	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.233%	
60) 4-Bromofluorobenzene	12.734	95	365456	25.239	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 84.133%	
63) Toluene-d8	10.443	98	1283387	30.719	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.400%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.075	85	5553	0.413	ug/l	98
3) Chloromethane	2.306	50	7214	0.515	ug/l	95
4) Vinyl Chloride	2.451	62	3928	0.276	ug/l	96
5) Bromomethane	2.867	94	5714	0.628	ug/l	85
7) Trichlorofluoromethane	3.373	101	5207	0.250	ug/l	96
10) 1,1-Dichloroethene	4.178	96	3254	0.358	ug/l	88
12) Methyl Acetate	4.865	43	8009	0.306	ug/l #	76
14) Acrylonitrile	5.567	53	10382	1.454	ug/l #	49
16) Carbon Disulfide	4.529	76	30408	1.338	ug/l	98
18) Methylene Chloride	5.085	84	5016	0.433	ug/l	91
19) trans-1,2-Dichloroethene	5.599	96	3554	0.356	ug/l	92
22) cis-1,2-Dichloroethene	7.332	96	2622	0.212	ug/l #	16
23) tert-Butyl Alcohol	5.374	59	976	0.393	ug/l #	100
29) 1,1-Dichloropropene	8.225	75	7395	0.461	ug/l	65
30) 2-Butanone	7.345	43	21411	1.846	ug/l #	60
35) Methacrylonitrile	7.640	41	3424	0.322	ug/l	84
36) 1,2-Dichloroethane	8.539	62	5765	0.307	ug/l #	93
37) Trichloroethene	9.223	130	6525	0.554	ug/l	91
38) Methylcyclohexane	9.459	83	6859	0.346	ug/l	70
40) Dibromomethane	9.580	93	3416	0.395	ug/l	59
45) 1,4-Dioxane	9.577	88	1936	7.115	ug/l #	57
47) n-amyl Acetate	12.393	43	41247	1.603	ug/l	94
48) t-1,3-Dichloropropene	10.719	75	4280	0.246	ug/l	93
50) 1,1,2-Trichloroethane	10.899	97	2615	0.213	ug/l #	92
51) Ethyl methacrylate	10.765	69	7900	0.384	ug/l	81
52) 1,3-Dichloropropane	11.049	76	5096	0.240	ug/l	88
54) 1,2-Dibromoethane	11.350	107	3593	0.283	ug/l	90
55) 2-Chloroethyl vinyl ether	10.046	63	3336	0.713	ug/l #	91
58) 4-Methyl-2-Pentanone	10.336	43	44151	2.223	ug/l #	92
59) 2-Hexanone	11.089	43	89630	5.933	ug/l	90
61) Tetrachloroethene	10.977	164	3783	0.390	ug/l	97
62) Toluene	10.510	91	16782	0.338	ug/l	94
64) Chlorobenzene	11.771	112	18052	0.605	ug/l	93
66) Ethyl Benzene	11.846	91	26884	0.488	ug/l #	89
67) m/p-Xylenes	11.956	106	20093	0.983	ug/l	89
68) o-Xylene	12.283	106	7366	0.360	ug/l	87
69) Styrene	12.296	104	20711	0.624	ug/l	94
70) Isopropylbenzene	12.581	105	22382	0.418	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	11630	0.658	ug/l #	96

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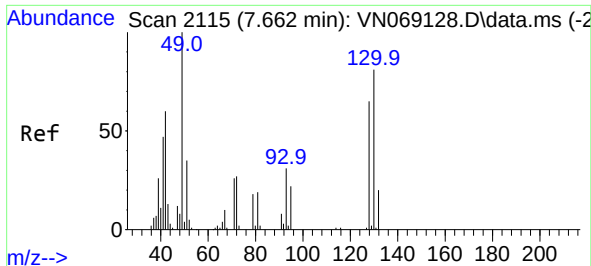
Instrument :
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Quant Time: Nov 10 18:02:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

72) 1,2,3-Trichloropropane	12.884	75	13264	0.771	ug/l	99
73) Bromobenzene	12.865	156	11184	0.906	ug/l	91
74) n-propylbenzene	12.921	91	45784	0.745	ug/l	99
75) 2-Chlorotoluene	13.010	91	22749	0.608	ug/l	73
76) 1,3,5-Trimethylbenzene	13.061	105	22716	0.517	ug/l	98
77) t-1,4-Dichloro-2-butene	12.632	75	1080	0.233	ug/l	93
78) 4-Chlorotoluene	13.109	91	41913	1.170	ug/l	93
79) tert-butylbenzene	13.324	119	13893	0.359	ug/l	91
80) 1,2,4-Trimethylbenzene	13.372	105	29980	0.700	ug/l #	80
81) sec-Butylbenzene	13.503	105	34086	0.630	ug/l	97
82) p-Isopropyltoluene	13.616	119	32968	0.764	ug/l	98
83) 1,3-Dichlorobenzene	13.619	146	31802	1.507	ug/l	96
84) 1,4-Dichlorobenzene	13.696	146	34189	1.671	ug/l	95
85) n-Butylbenzene	13.946	91	59857	1.662	ug/l	99
87) 1,2-Dichlorobenzene	13.991	146	30518	1.499	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.603	75	7130	2.306	ug/l	92
89) 1,2,4-Trichlorobenzene	15.265	180	55467	5.682	ug/l	95
90) Hexachlorobutadiene	15.370	225	8533	1.616	ug/l	96
91) Naphthalene	15.509	128	286324	10.181	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	69362	7.228	ug/l	97

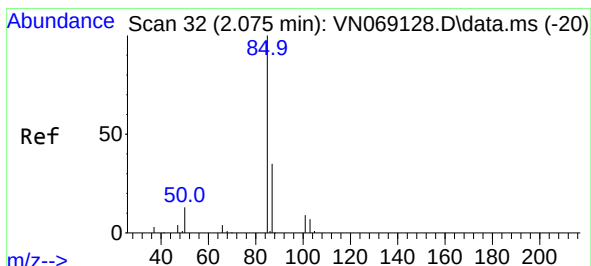
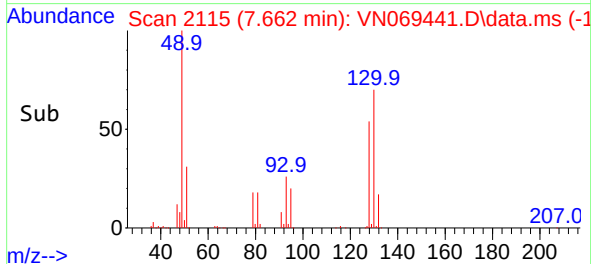
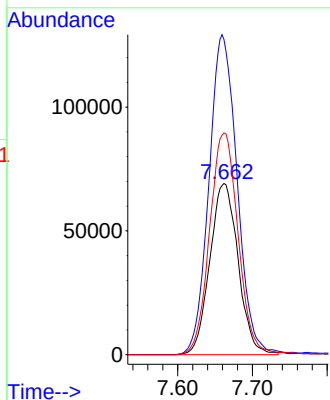
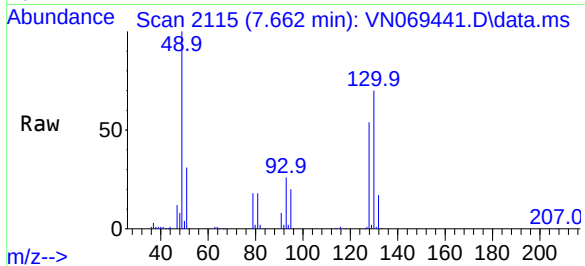
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

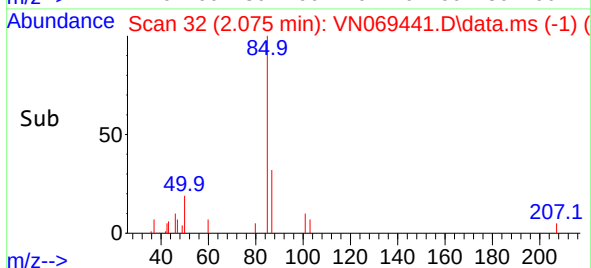
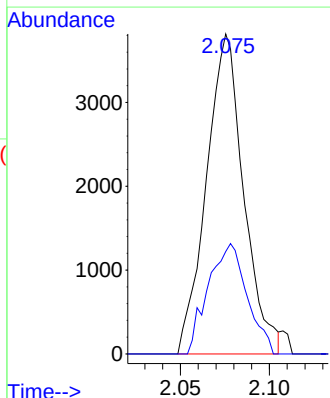
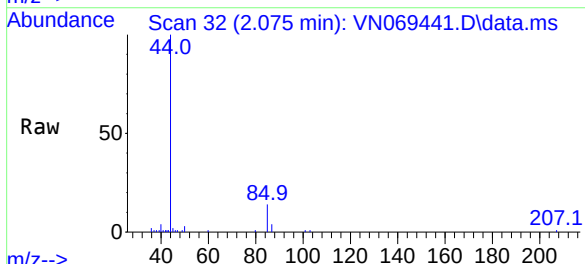
Instrument :
MSVOA_N
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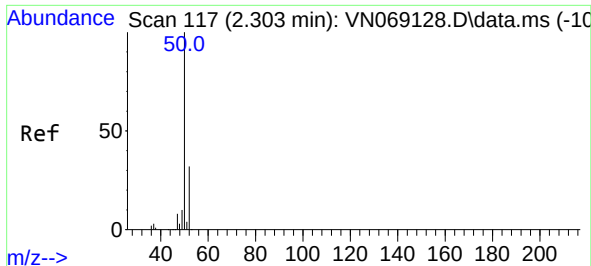
Tgt Ion:128 Resp: 181898
Ion Ratio Lower Upper
128 100
49 184.9 0.0 392.3
130 130.8 0.0 320.2



#2
Dichlorodifluoromethane
Concen: 0.413 ug/l
RT: 2.075 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 85 Resp: 5553
Ion Ratio Lower Upper
85 100
87 32.0 16.6 49.7

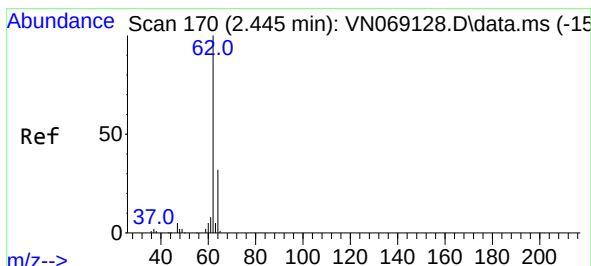
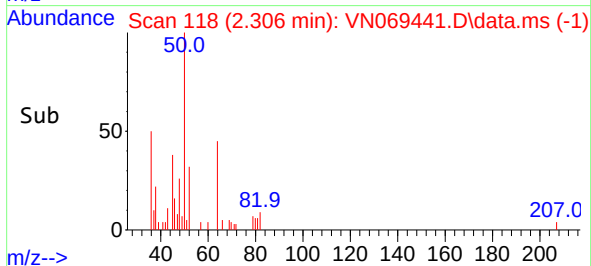
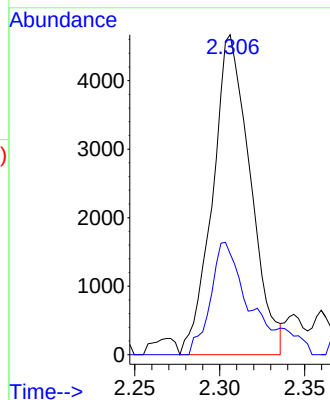
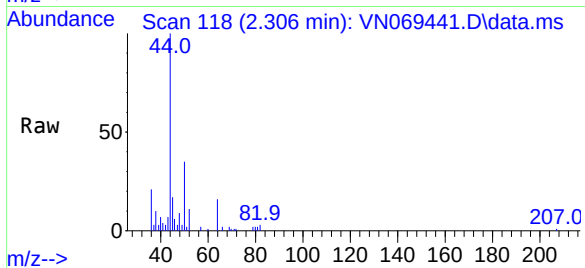




#3
Chloromethane
Concen: 0.515 ug/l
RT: 2.306 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

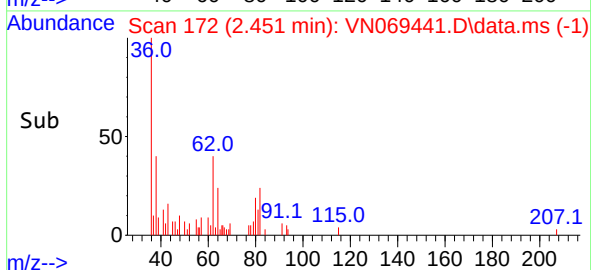
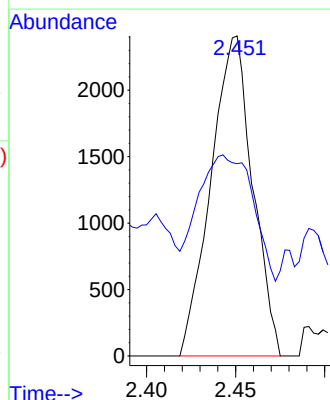
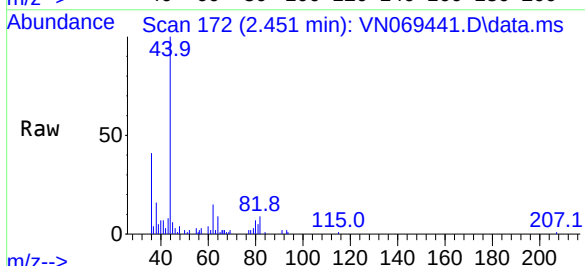
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MSVOA_N
ClientSampleId :
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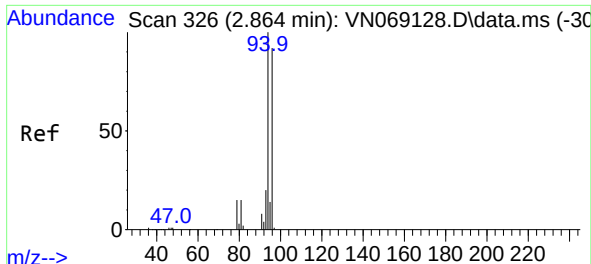
Tgt Ion: 50 Resp: 7214
Ion Ratio Lower Upper
50 100
52 31.6 27.8 41.6



#4
Vinyl Chloride
Concen: 0.276 ug/l
RT: 2.451 min Scan# 172
Delta R.T. 0.006 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 62 Resp: 3928
Ion Ratio Lower Upper
62 100
64 33.5 25.1 37.7

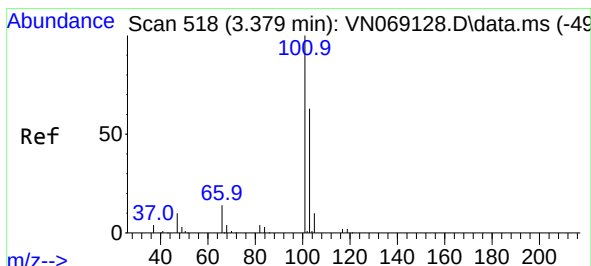
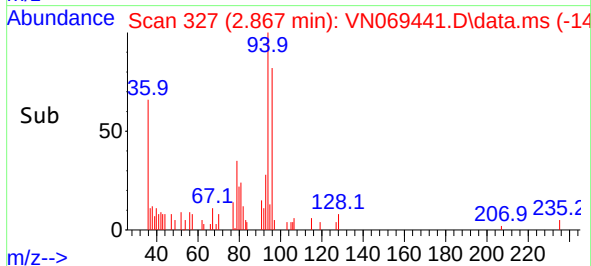
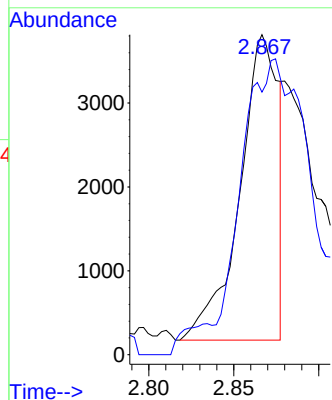
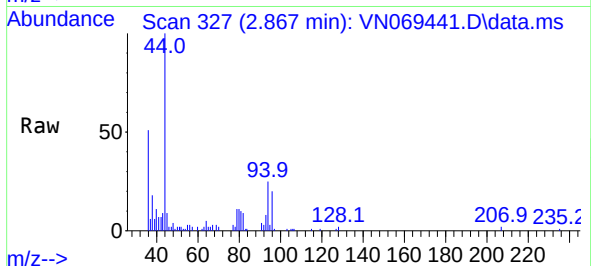




#5
Bromomethane
Concen: 0.628 ug/l
RT: 2.867 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

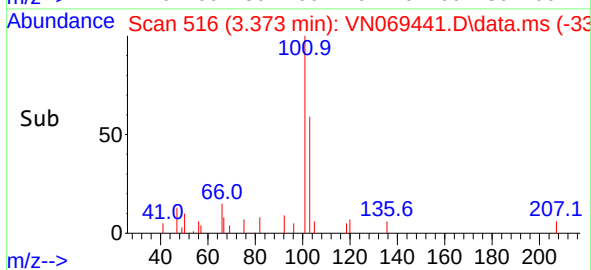
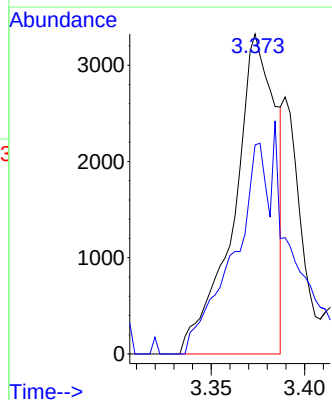
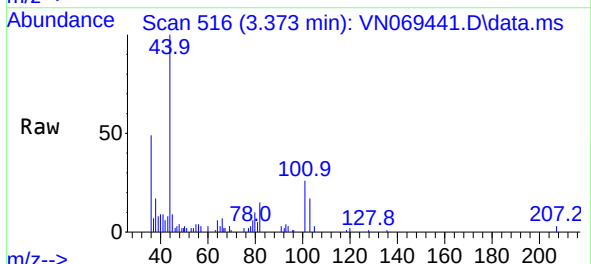
Instrument :
MSVOA_N
ClientSampleId :
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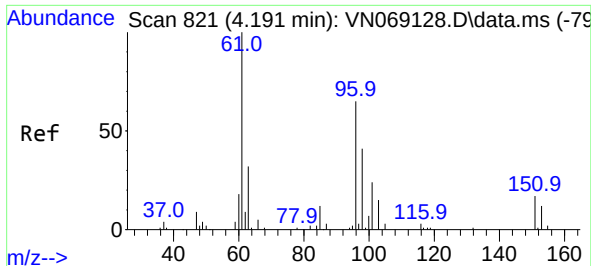
Tgt Ion: 94 Resp: 5714
Ion Ratio Lower Upper
94 100
96 79.1 75.2 112.8



#7
Trichlorofluoromethane
Concen: 0.250 ug/l
RT: 3.373 min Scan# 516
Delta R.T. -0.005 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 101 Resp: 5207
Ion Ratio Lower Upper
101 100
103 65.4 50.1 75.1

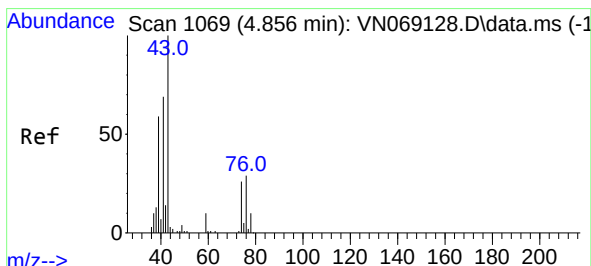
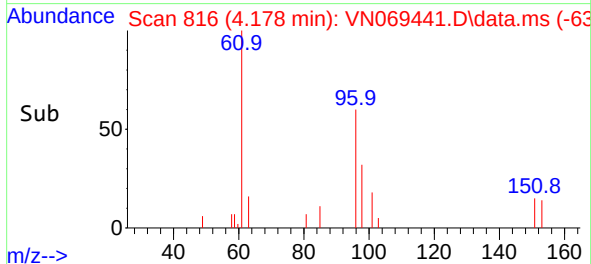
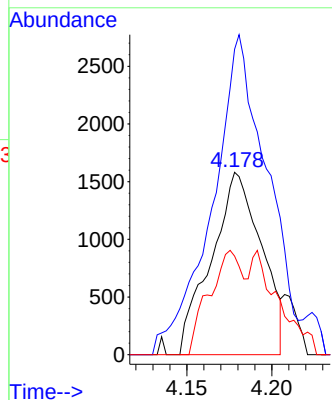
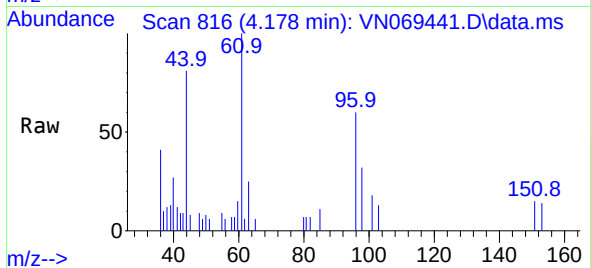




#10
1,1-Dichloroethene
Concen: 0.358 ug/l
RT: 4.178 min Scan# 81
Delta R.T. -0.013 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

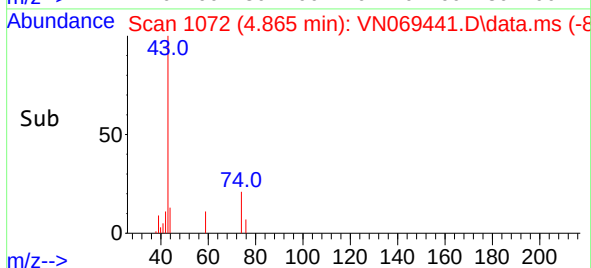
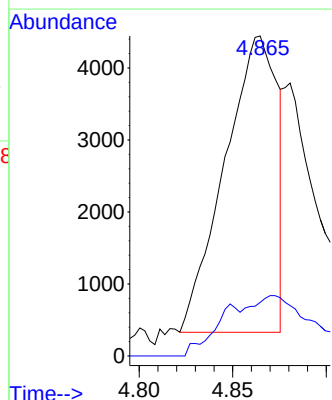
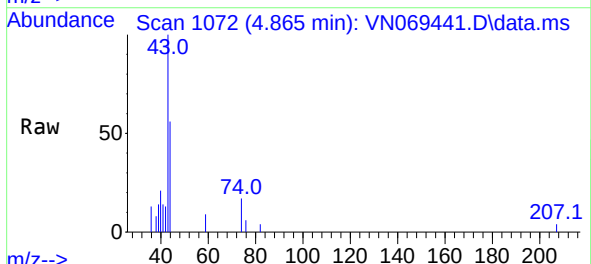
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ClientSampleId :
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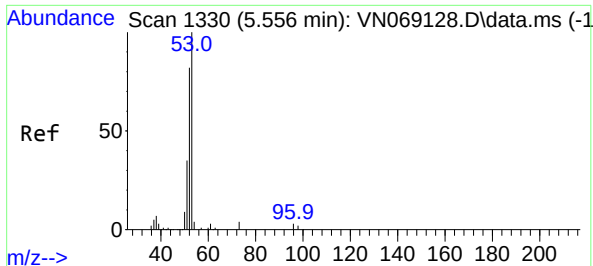
Tgt Ion: 96 Resp: 3254
Ion Ratio Lower Upper
96 100
61 142.1 126.2 189.4
98 54.0 50.9 76.3



#12
Methyl Acetate
Concen: 0.306 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 43 Resp: 8009
Ion Ratio Lower Upper
43 100
74 14.0 20.8 31.2#

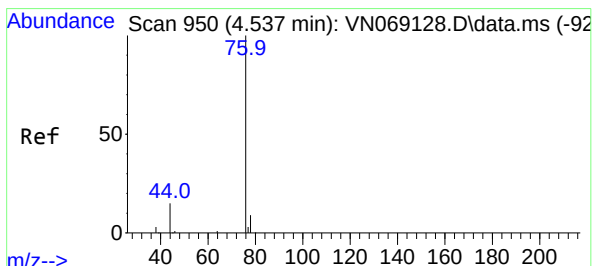
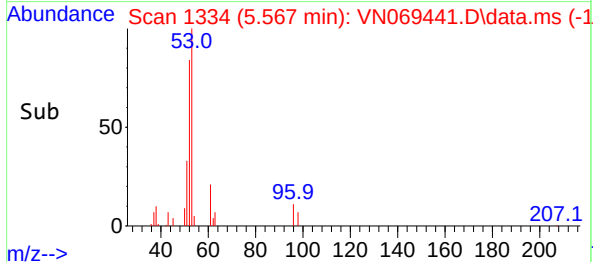
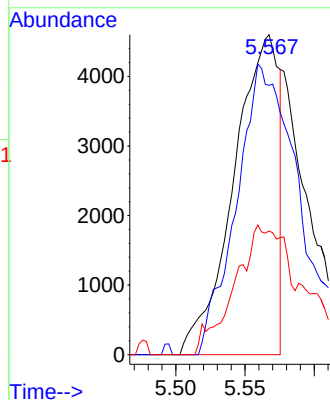
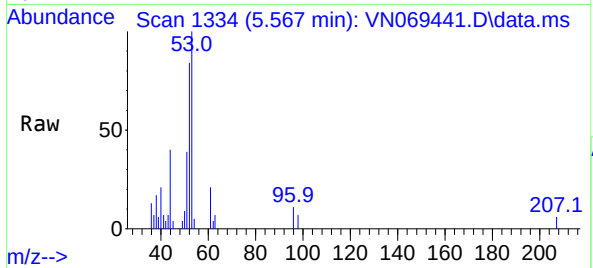




#14
Acrylonitrile
Concen: 1.454 ug/l
RT: 5.567 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

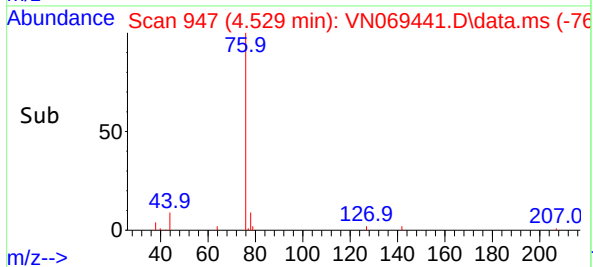
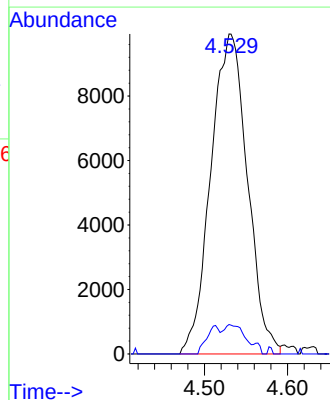
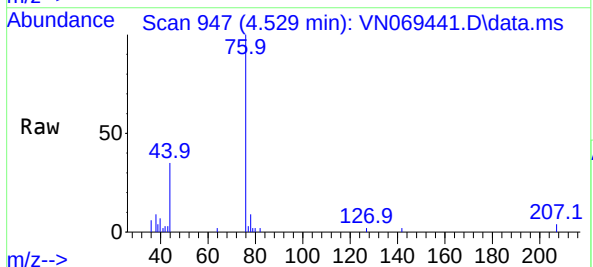
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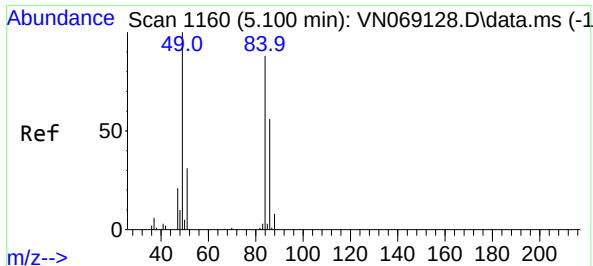
Tgt Ion: 53 Resp: 10382
Ion Ratio Lower Upper
53 100
52 39.5 41.8 125.4#
51 3.9 19.0 57.0#



#16
Carbon Disulfide
Concen: 1.338 ug/l
RT: 4.529 min Scan# 947
Delta R.T. -0.008 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 76 Resp: 30408
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.8



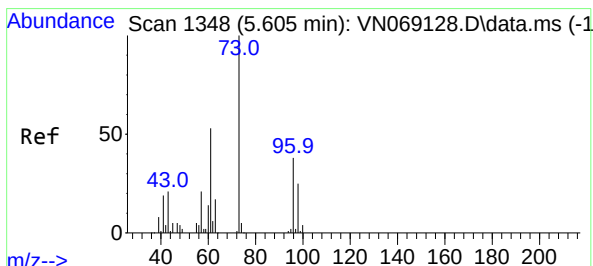
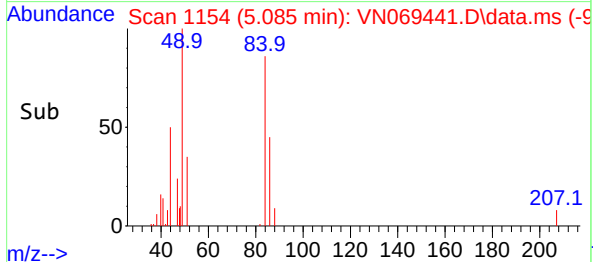
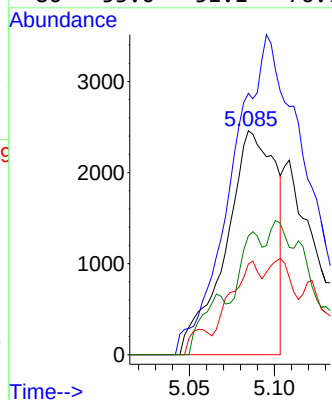
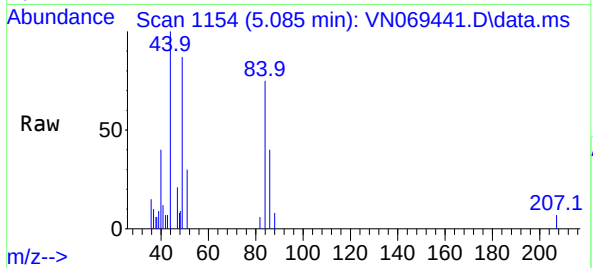


#18
Methylene Chloride
Concen: 0.433 ug/l
RT: 5.085 min Scan# 1160
Delta R.T. -0.016 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 84 Resp: 5016

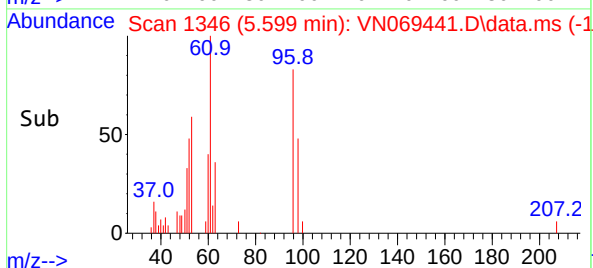
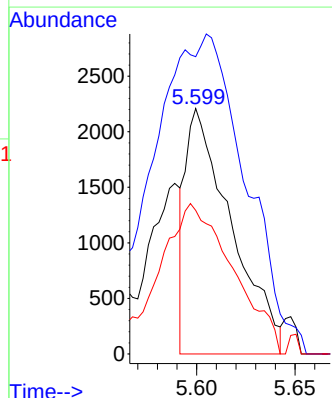
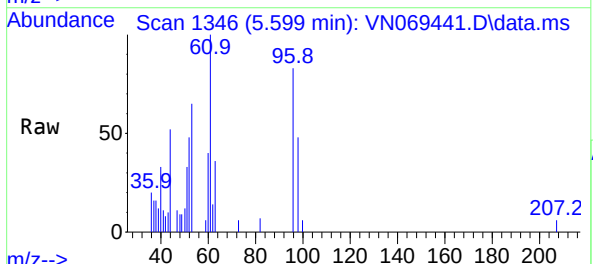
Ion	Ratio	Lower	Upper
84	100		
49	107.5	91.4	137.0
51	40.5	29.4	44.0
86	53.0	51.1	76.7

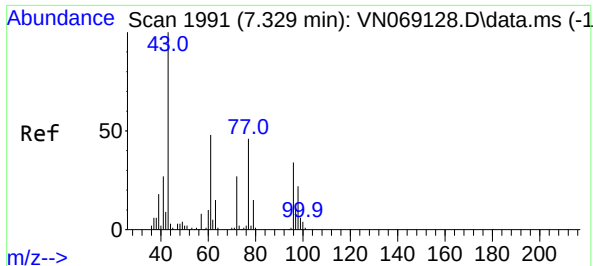


#19
trans-1,2-Dichloroethene
Concen: 0.356 ug/l
RT: 5.599 min Scan# 1346
Delta R.T. -0.005 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 96 Resp: 3554

Ion	Ratio	Lower	Upper
96	100		
61	117.8	102.8	154.2
98	65.8	49.3	73.9

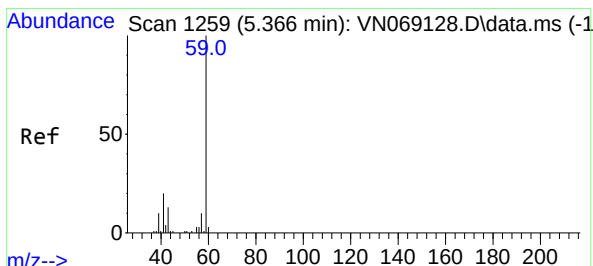
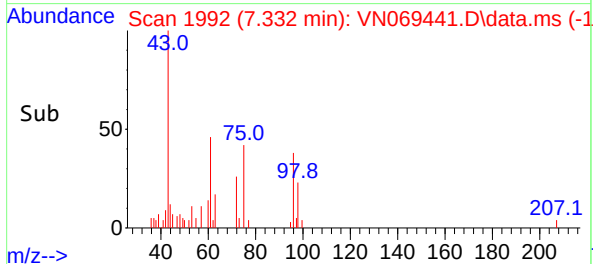
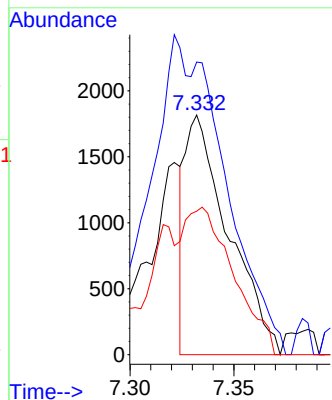
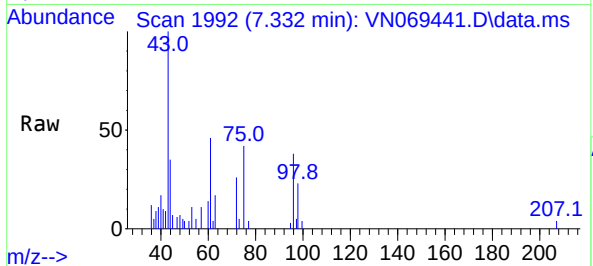




#22
cis-1,2-Dichloroethene
Concen: 0.212 ug/l
RT: 7.332 min Scan# 1991
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

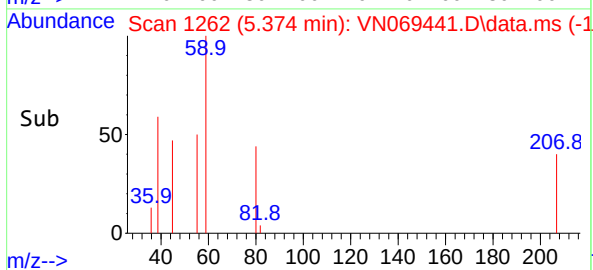
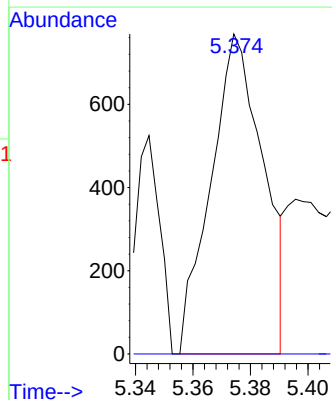
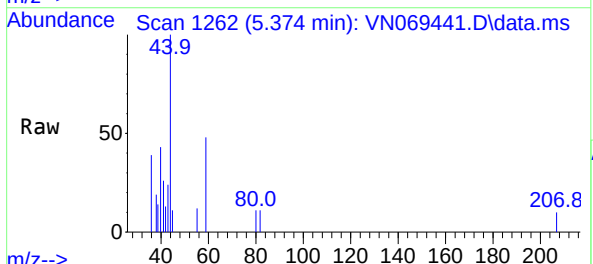
Instrument :
MSVOA_N
ClientSampleId :
IBLK

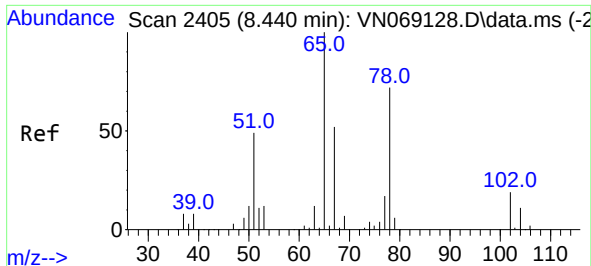
Tgt Ion: 96 Resp: 2622
Ion Ratio Lower Upper
96 100
61 0.0 115.7 173.5#
98 73.7 51.6 77.4



#23
tert-Butyl Alcohol
Concen: 0.393 ug/l
RT: 5.374 min Scan# 1262
Delta R.T. 0.008 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 59 Resp: 976
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

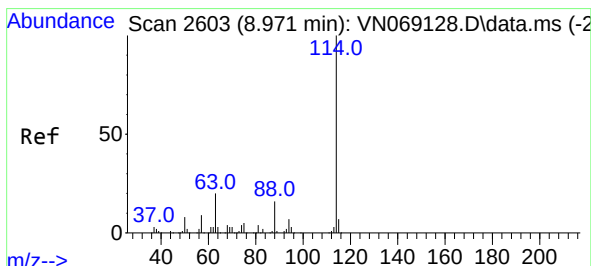
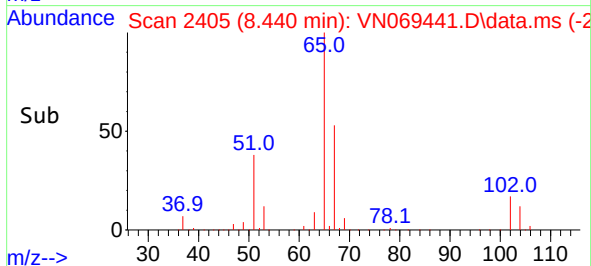
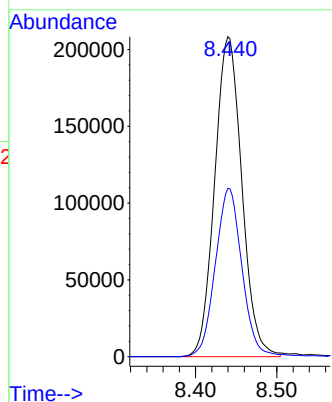
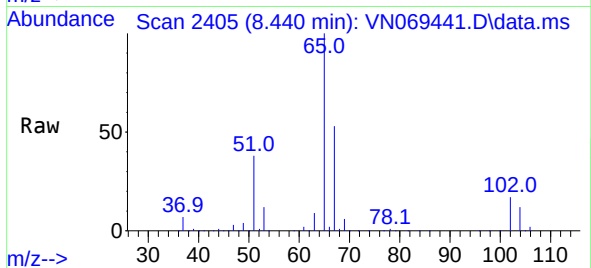




#27
1,2-Dichloroethane-d4
Concen: 30.665 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

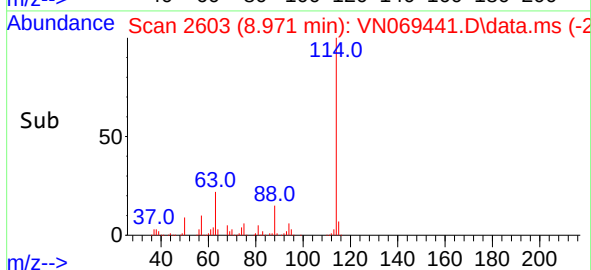
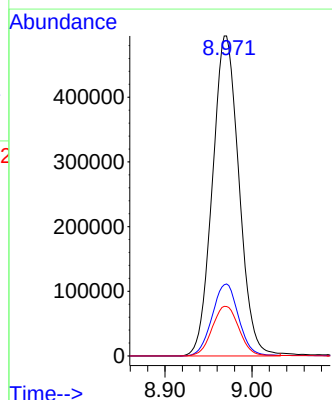
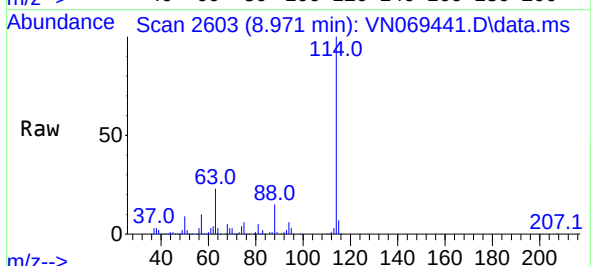
Instrument :
MSVOA_N
ClientSampleId :
IBLK

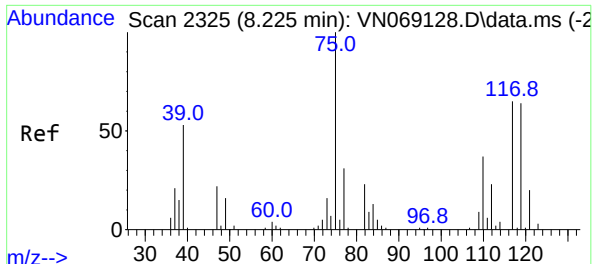
Tgt Ion: 65 Resp: 483762
Ion Ratio Lower Upper
65 100
67 51.6 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 114 Resp: 1049948
Ion Ratio Lower Upper
114 100
63 22.5 15.8 23.6
88 15.7 11.6 17.4

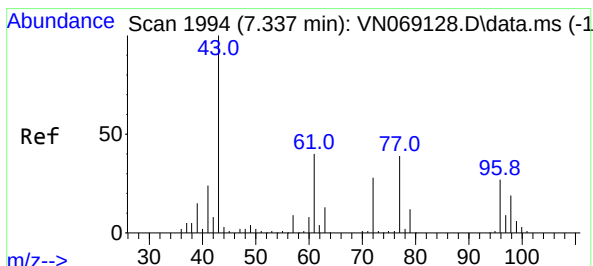
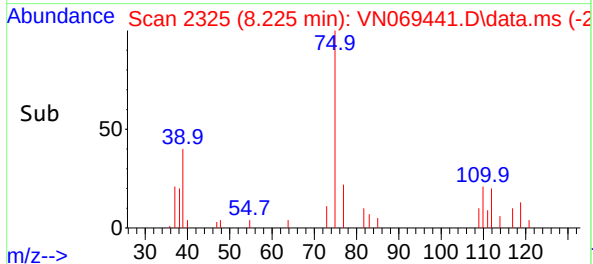
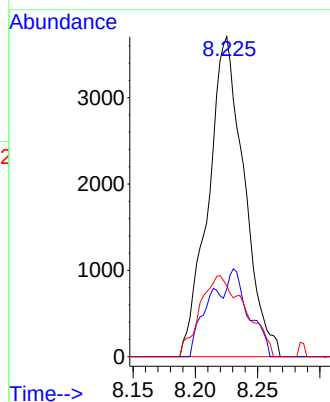
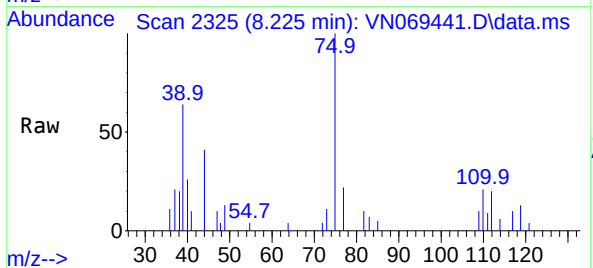




#29
1,1-Dichloropropene
Concen: 0.461 ug/l
RT: 8.225 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

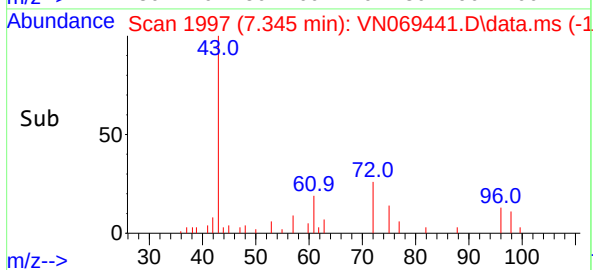
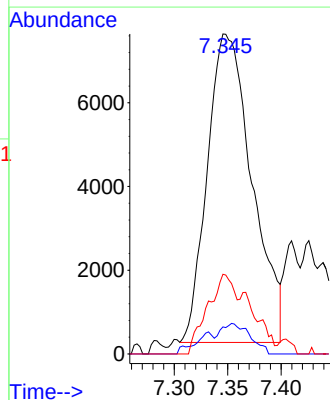
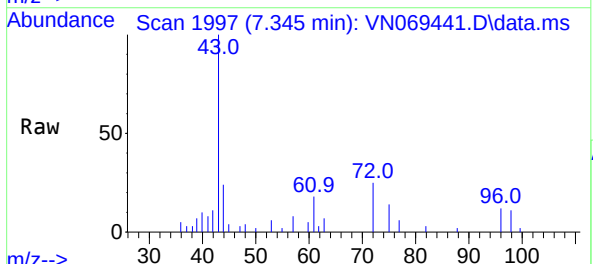
Instrument :
MSVOA_N
ClientSampleId :
IBLK

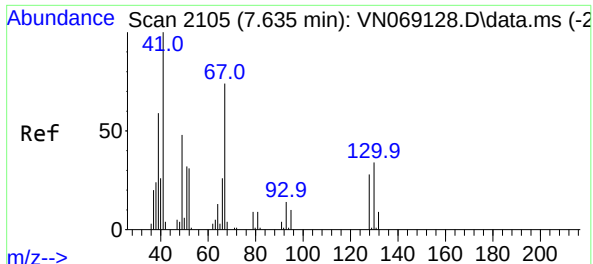
Tgt Ion:	75	Resp:	7395
Ion	Ratio	Lower	Upper
75	100		
110	7.5	0.0	74.2
77	21.7	0.0	63.2



#30
2-Butanone
Concen: 1.846 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion:	43	Resp:	21411
Ion	Ratio	Lower	Upper
43	100		
57	1.8	6.7	10.1#
72	4.1	23.2	34.8#





#35

Methacrylonitrile

Concen: 0.322 ug/l

RT: 7.640 min Scan# 2105

Delta R.T. 0.006 min

Lab File: VN069441.D

Acq: 10 Nov 2021 14:41

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion: 41 Resp: 3424

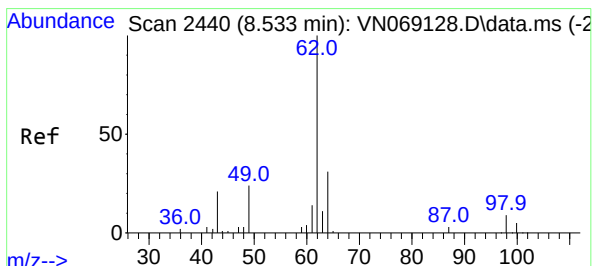
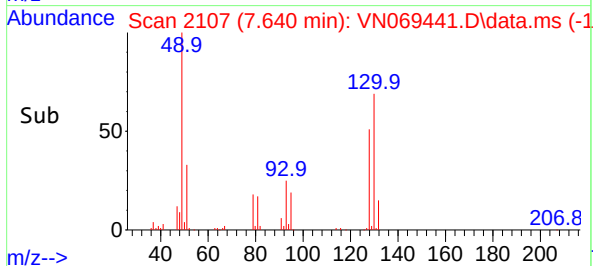
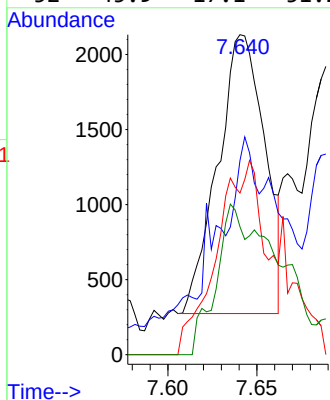
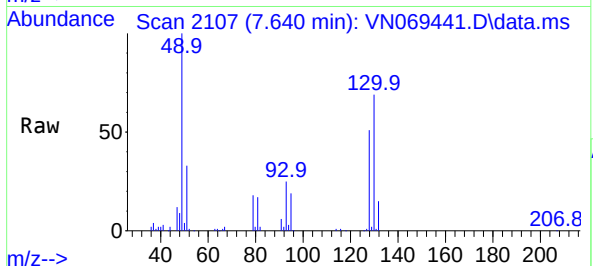
Ion Ratio Lower Upper

41 100

39 51.7 28.0 83.9

67 58.0 37.7 113.1

52 45.9 17.1 51.2



#36

1,2-Dichloroethane

Concen: 0.307 ug/l

RT: 8.539 min Scan# 2442

Delta R.T. 0.006 min

Lab File: VN069441.D

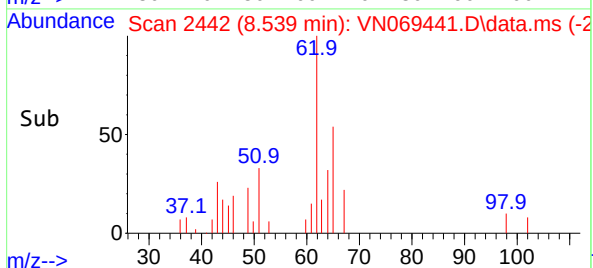
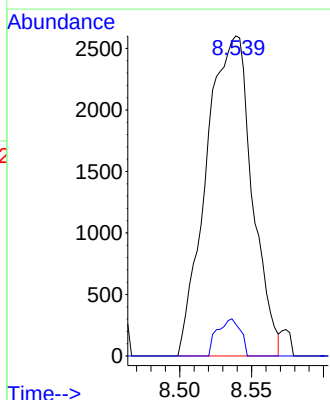
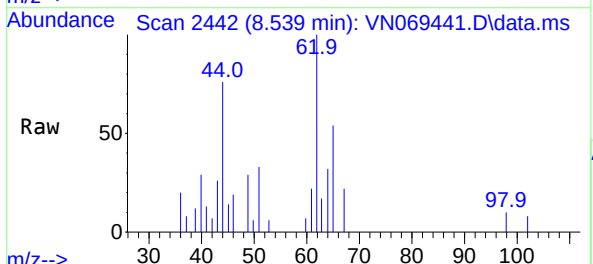
Acq: 10 Nov 2021 14:41

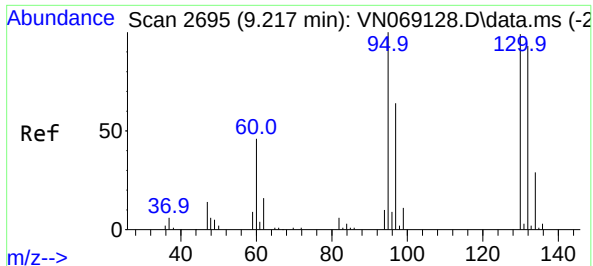
Tgt Ion: 62 Resp: 5765

Ion Ratio Lower Upper

62 100

98 5.8 6.6 10.0#





#37

Trichloroethene

Concen: 0.554 ug/l

RT: 9.223 min Scan# 2

Delta R.T. 0.006 min

Lab File: VN069441.D

Acq: 10 Nov 2021 14:41

Instrument :

MSVOA_N

ClientSampleId :

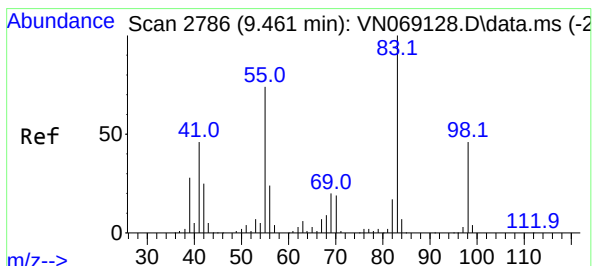
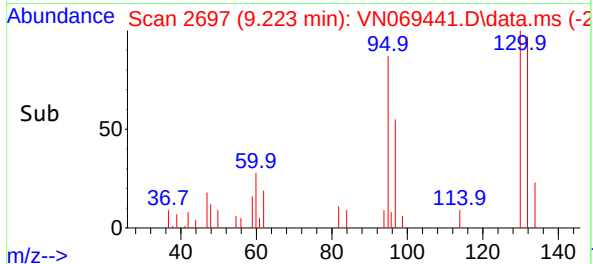
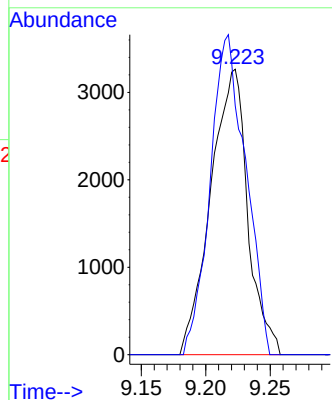
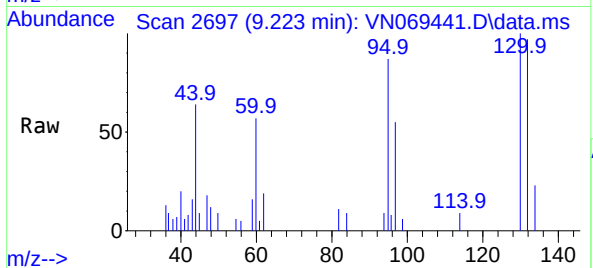
IBLK

Tgt Ion:130 Resp: 6525

Ion Ratio Lower Upper

130 100

95 87.2 76.6 115.0



#38

Methylcyclohexane

Concen: 0.346 ug/l

RT: 9.459 min Scan# 2785

Delta R.T. -0.002 min

Lab File: VN069441.D

Acq: 10 Nov 2021 14:41

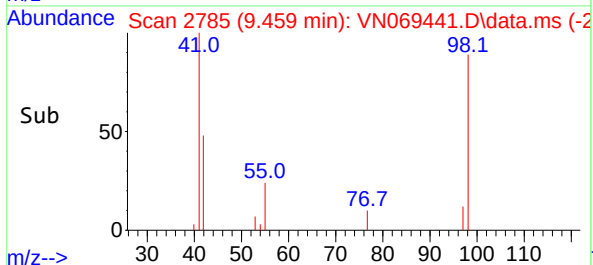
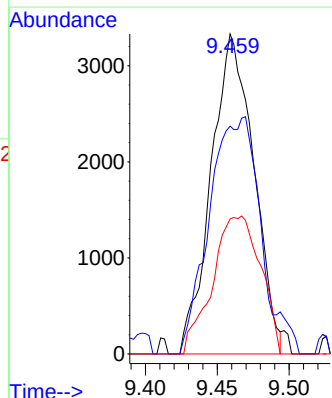
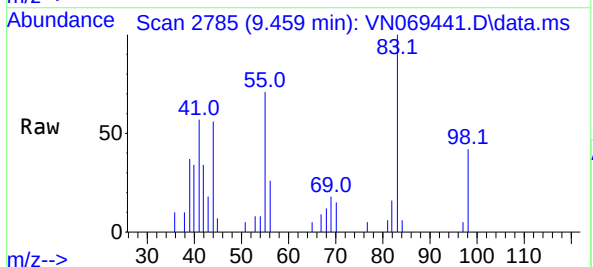
Tgt Ion: 83 Resp: 6859

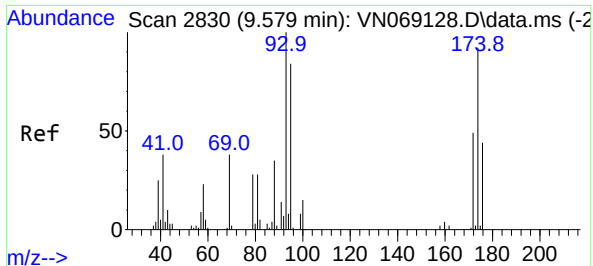
Ion Ratio Lower Upper

83 100

55 45.9 35.1 105.3

98 27.0 23.4 70.2

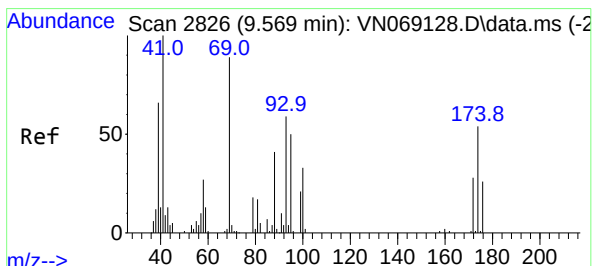
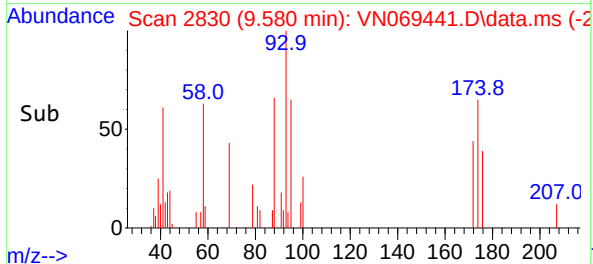
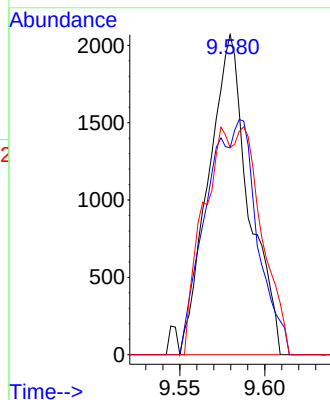
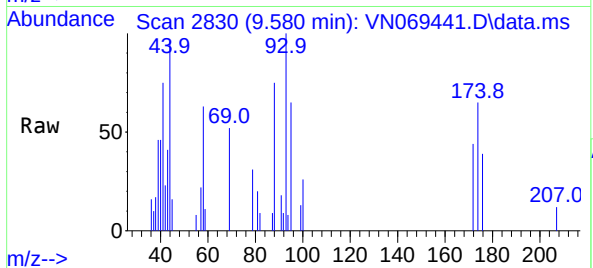




#40
Dibromomethane
Concen: 0.395 ug/l
RT: 9.580 min Scan# 2830
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

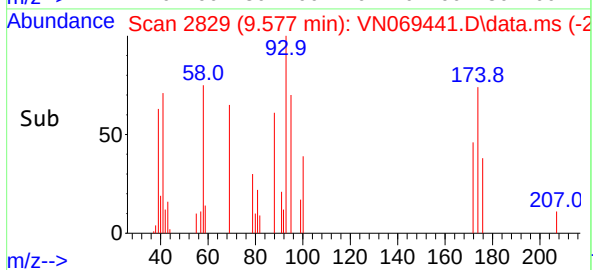
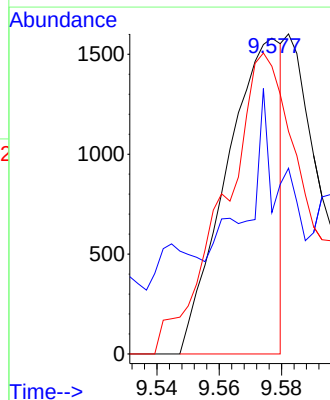
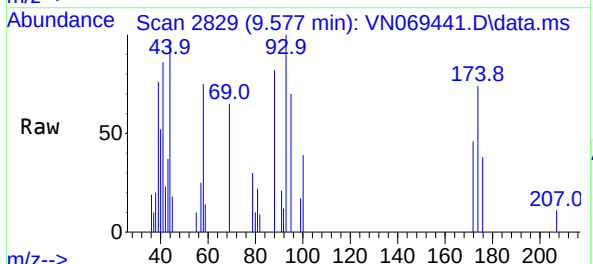
Instrument :
MSVOA_N
ClientSampleId :
IBLK

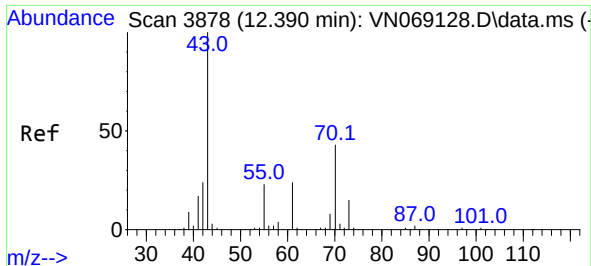
Tgt Ion: 93 Resp: 3416
Ion Ratio Lower Upper
93 100
95 47.9 0.0 168.8
174 48.8 0.0 173.6



#45
1,4-Dioxane
Concen: 7.115 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.008 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 88 Resp: 1936
Ion Ratio Lower Upper
88 100
43 5.9 25.0 37.6#
58 93.6 49.4 74.2#

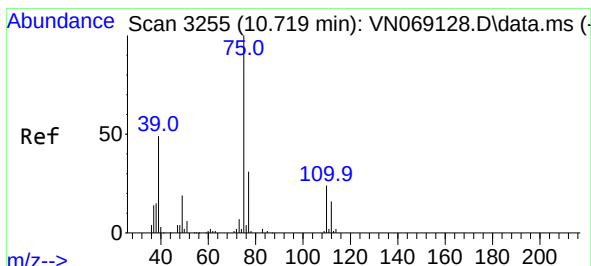
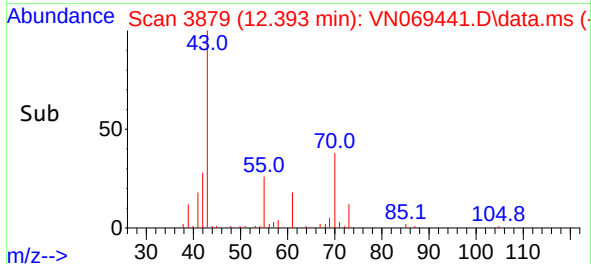
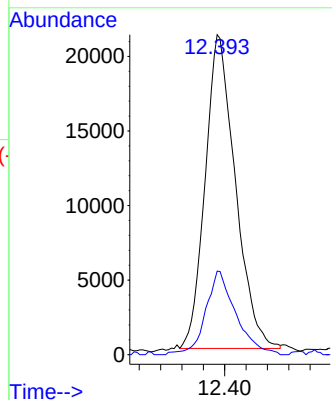
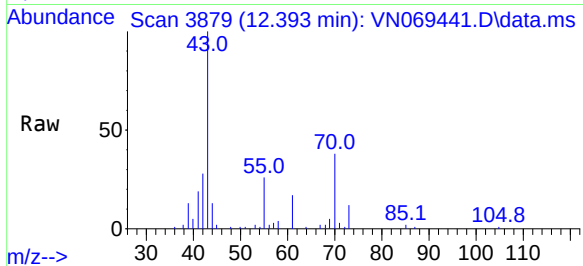




#47
n-amy1 Acetate
Concen: 1.603 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

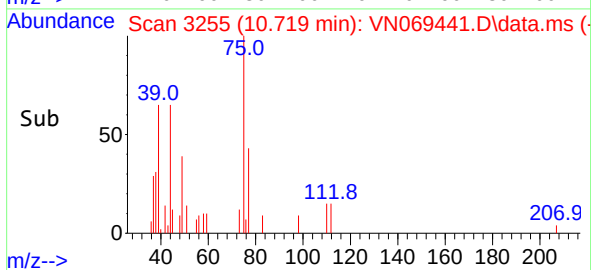
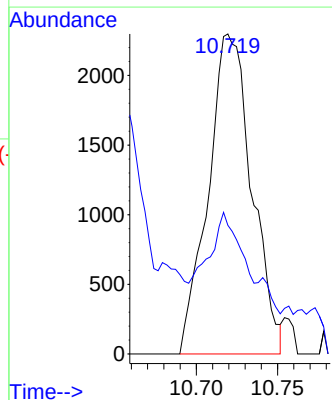
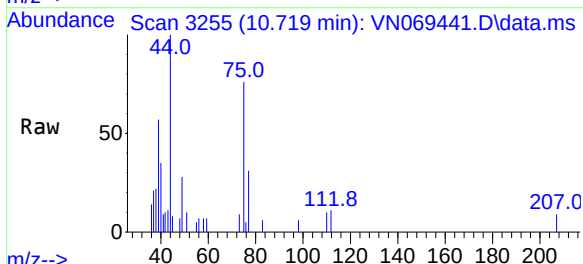
Instrument :
MSVOA_N
ClientSampleId :
IBLK

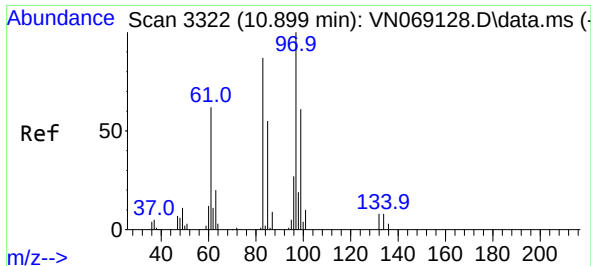
Tgt Ion: 43 Resp: 41247
Ion Ratio Lower Upper
43 100
55 26.6 19.0 28.6



#48
t-1,3-Dichloropropene
Concen: 0.246 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

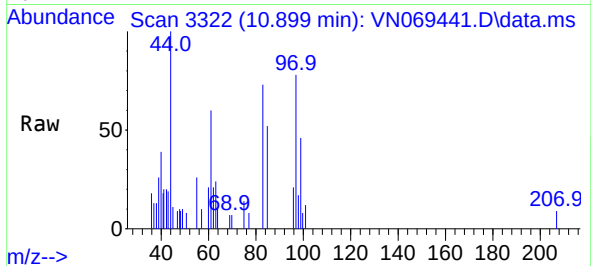
Tgt Ion: 75 Resp: 4280
Ion Ratio Lower Upper
75 100
77 27.7 25.3 37.9





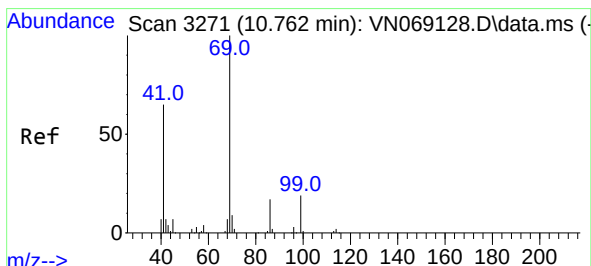
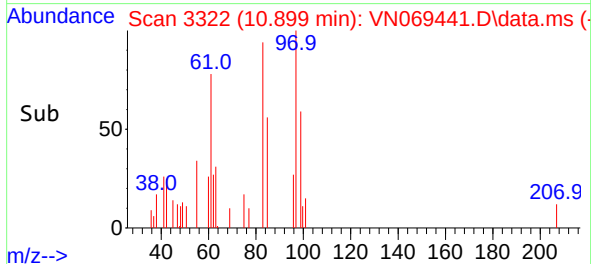
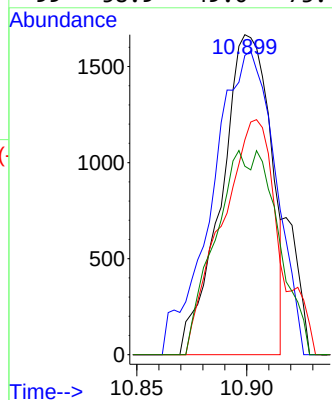
#50
1,1,2-Trichloroethane
Concen: 0.213 ug/l
RT: 10.899 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion: 97 Resp: 2615

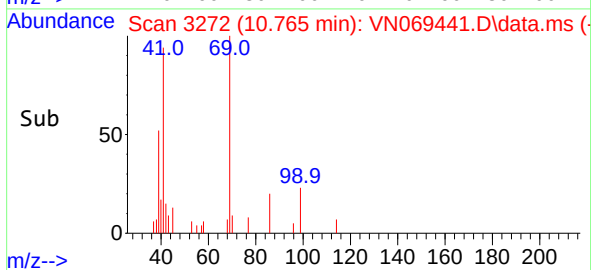
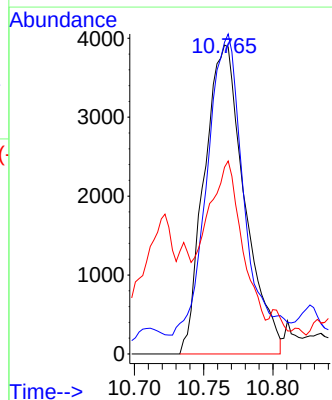
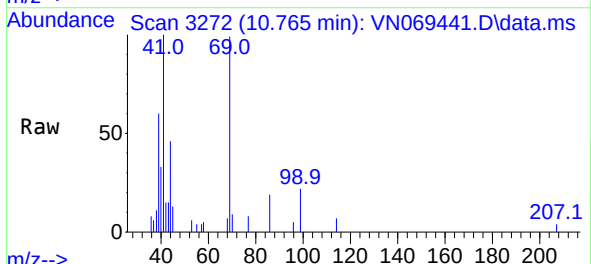
Ion	Ratio	Lower	Upper
97	100		
83	80.3	67.2	100.8
85	67.1	43.0	64.4#
99	58.9	49.0	73.4

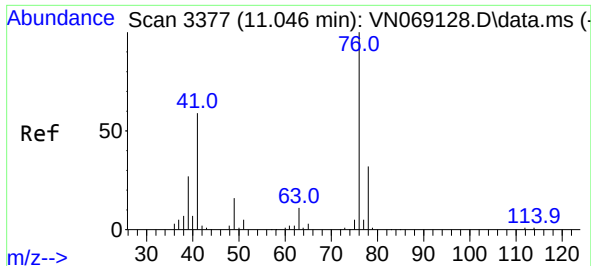


#51
Ethyl methacrylate
Concen: 0.384 ug/l
RT: 10.765 min Scan# 3272
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 69 Resp: 7900

Ion	Ratio	Lower	Upper
69	100		
41	91.0	33.0	98.9
39	48.8	25.4	76.4

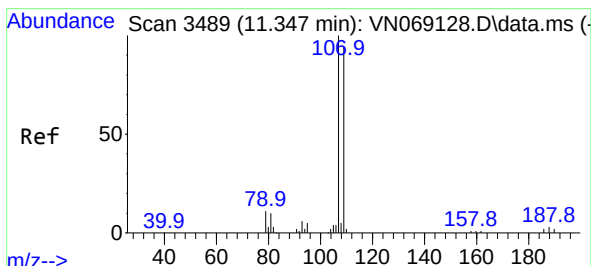
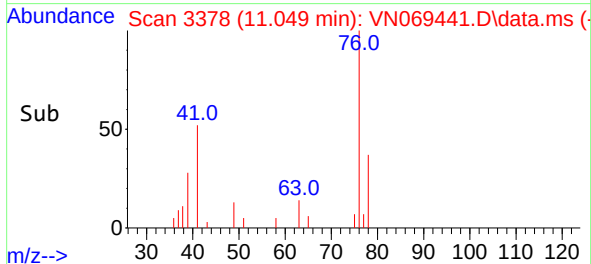
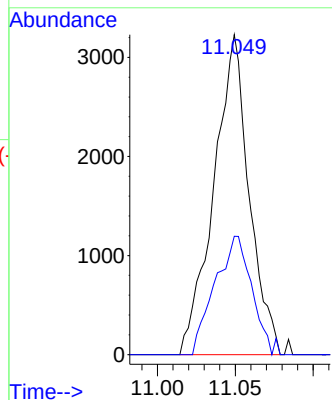
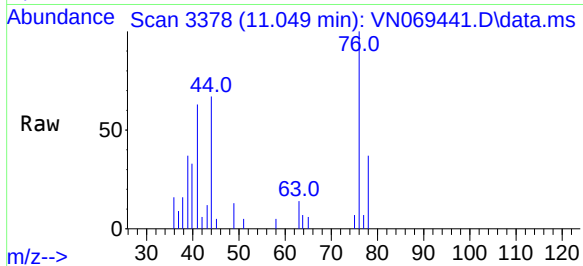




#52
1,3-Dichloropropane
Concen: 0.240 ug/l
RT: 11.049 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

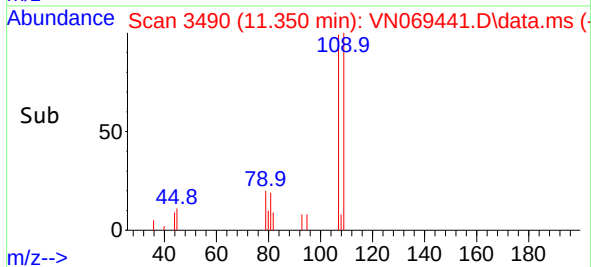
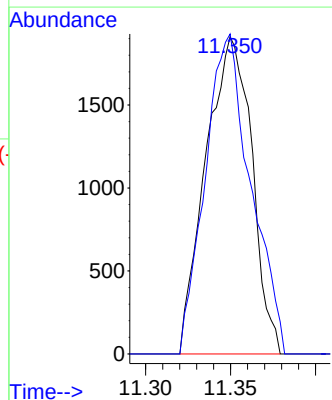
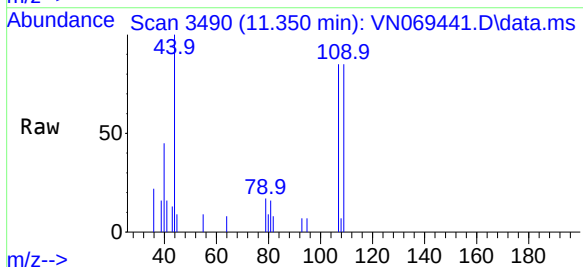
Instrument :
MSVOA_N
ClientSampleId :
IBLK

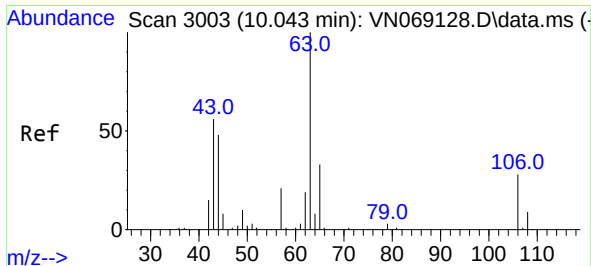
Tgt Ion: 76 Resp: 5096
Ion Ratio Lower Upper
76 100
78 26.0 0.0 65.4



#54
1,2-Dibromoethane
Concen: 0.283 ug/l
RT: 11.350 min Scan# 3490
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 107 Resp: 3593
Ion Ratio Lower Upper
107 100
109 100.1 72.8 109.2

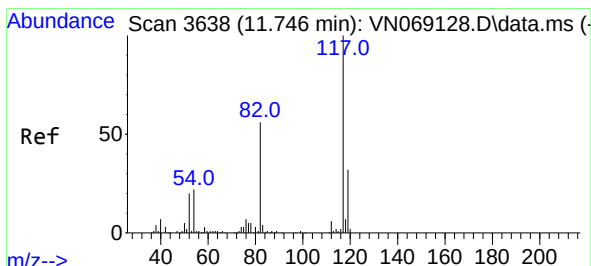
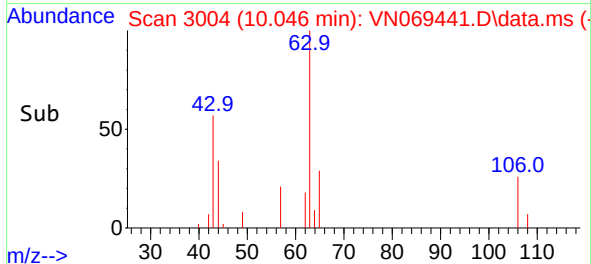
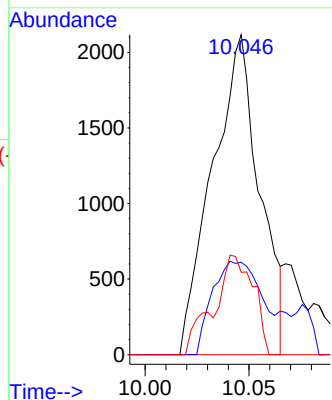
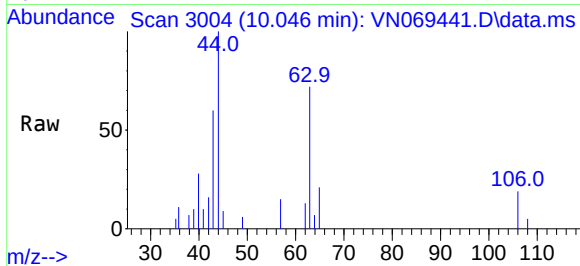




#55
2-Chloroethyl vinyl ether
Concen: 0.713 ug/l
RT: 10.046 min Scan# 3003
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

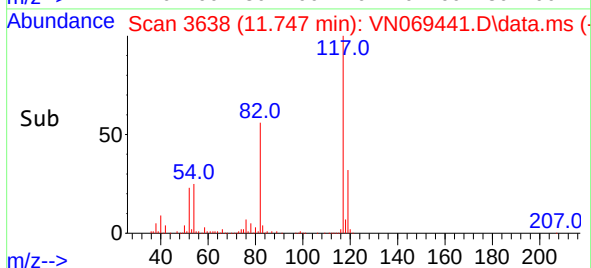
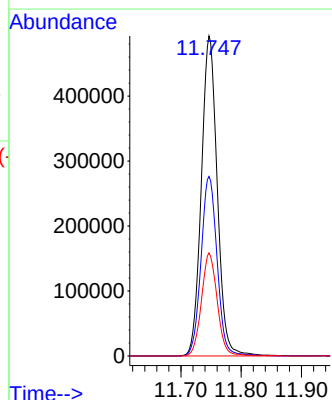
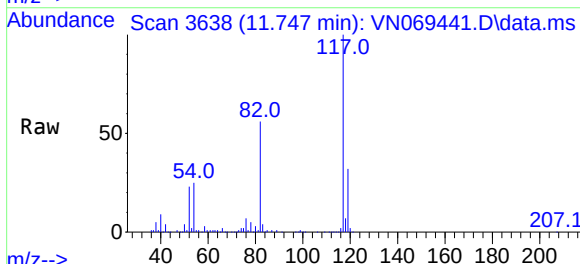
Instrument :
MSVOA_N
ClientSampleId :
IBLK

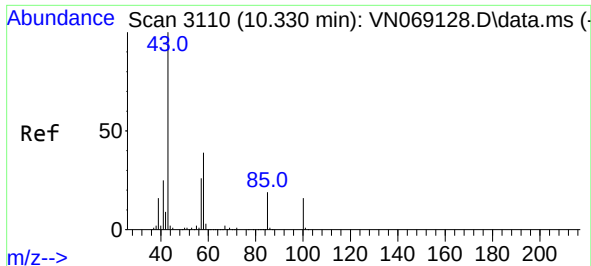
Tgt Ion: 63 Resp: 3336
Ion Ratio Lower Upper
63 100
65 30.4 25.4 38.0
106 20.6 23.2 34.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 117 Resp: 904827
Ion Ratio Lower Upper
117 100
82 56.4 43.6 65.4
119 31.8 25.8 38.6

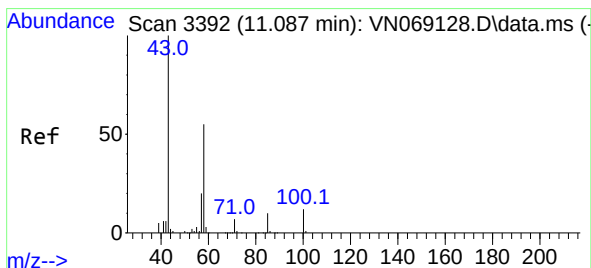
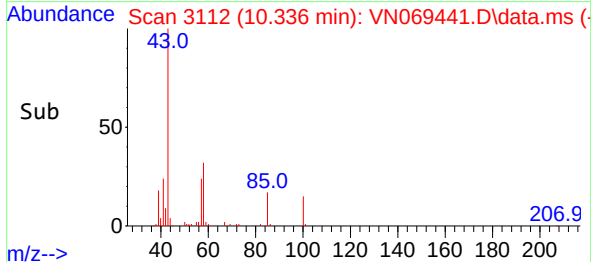
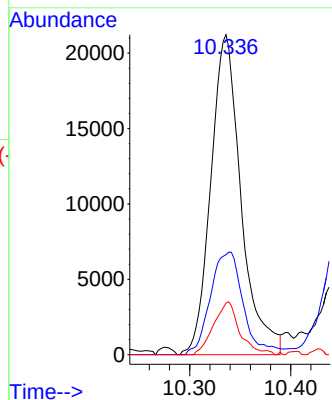
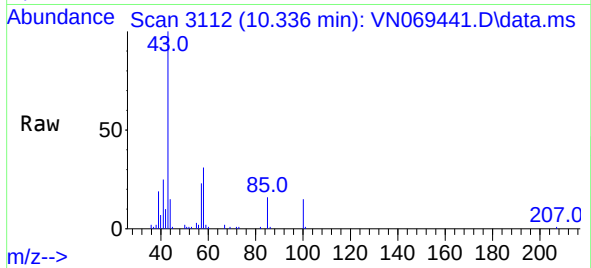




#58
4-Methyl-2-Pentanone
Concen: 2.223 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.006 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

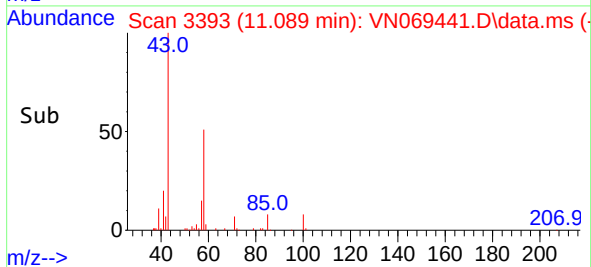
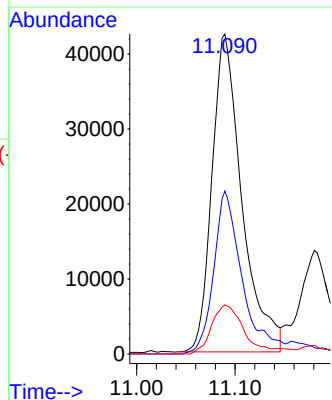
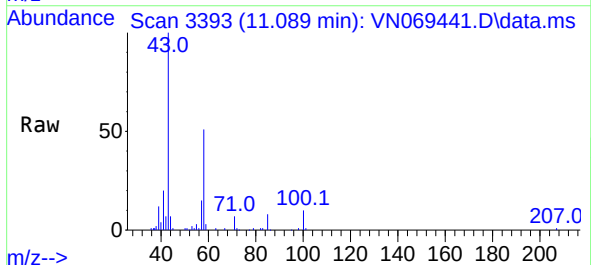
Instrument :
MSVOA_N
ClientSampleId :
IBLK

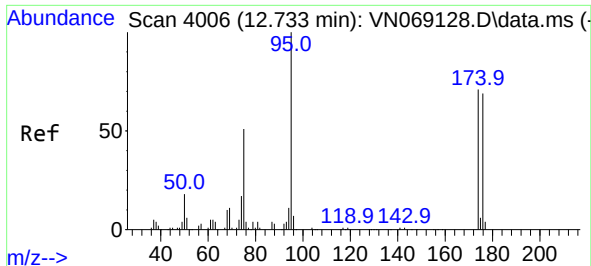
Tgt Ion: 43	Resp: 44151
Ion Ratio	Lower Upper
43	100
58	33.4 30.0 45.0
85	13.9 15.0 22.6#



#59
2-Hexanone
Concen: 5.933 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 43	Resp: 89630
Ion Ratio	Lower Upper
43	100
58	44.9 42.2 63.2
57	16.3 15.0 22.4

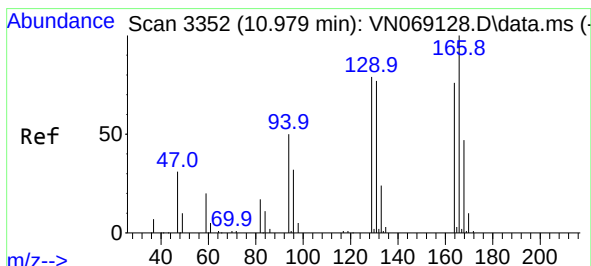
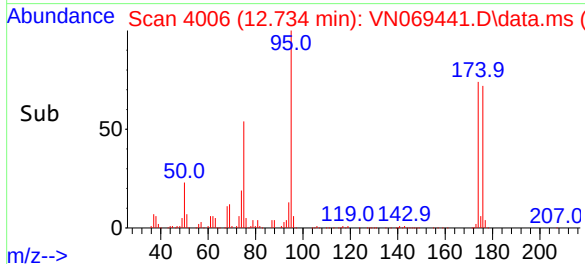
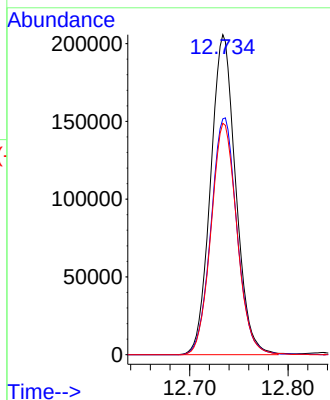
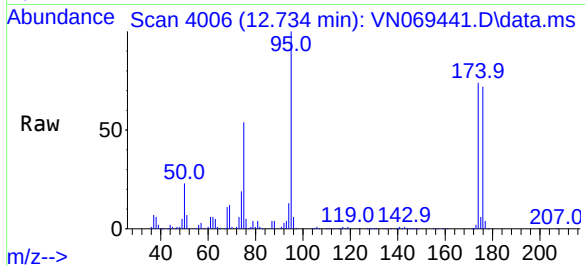




#60
4-Bromofluorobenzene
Concen: 25.239 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

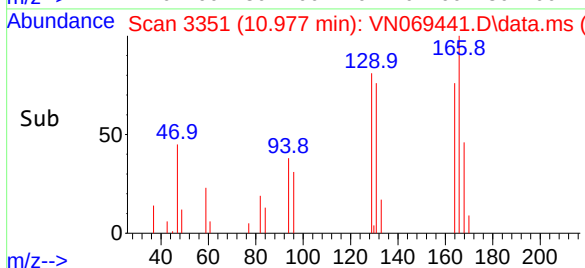
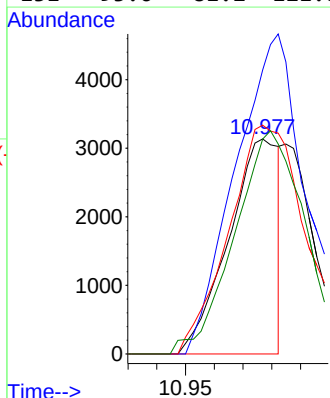
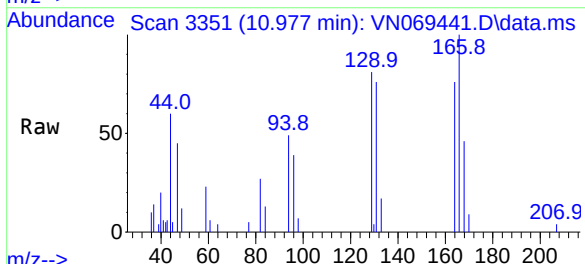
Instrument :
MSVOA_N
ClientSampleId :
IBLK

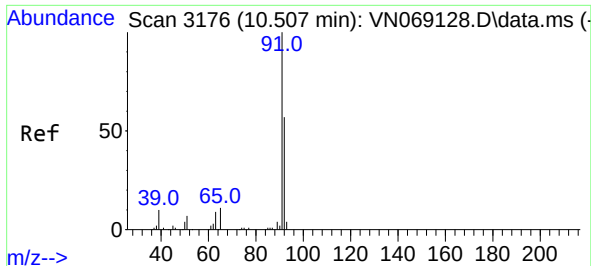
Tgt Ion: 95 Resp: 365456
Ion Ratio Lower Upper
95 100
174 76.5 62.9 94.3
176 74.5 61.0 91.4



#61
Tetrachloroethene
Concen: 0.390 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion:164 Resp: 3783
Ion Ratio Lower Upper
164 100
166 132.0 105.8 158.8
129 106.4 82.5 123.7
131 93.6 81.2 121.8

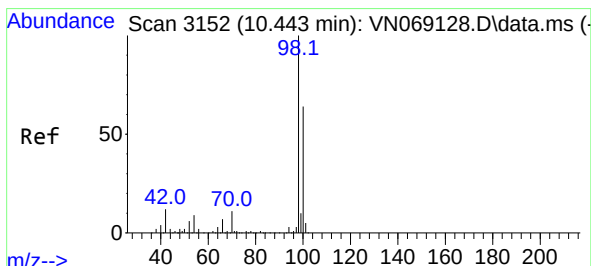
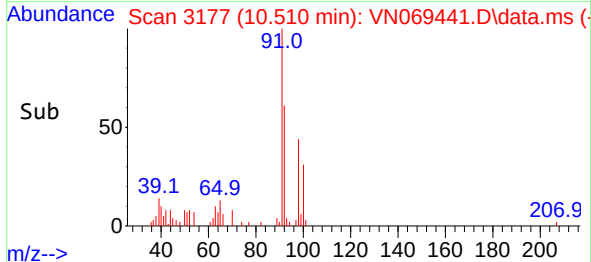
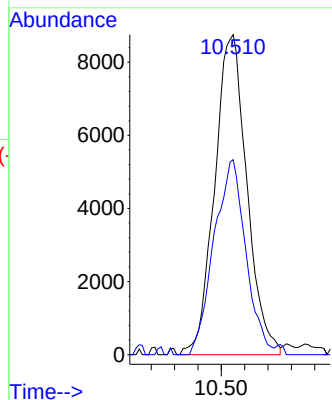
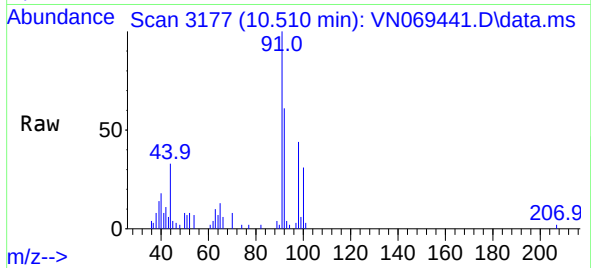




#62
Toluene
Concen: 0.338 ug/l
RT: 10.510 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

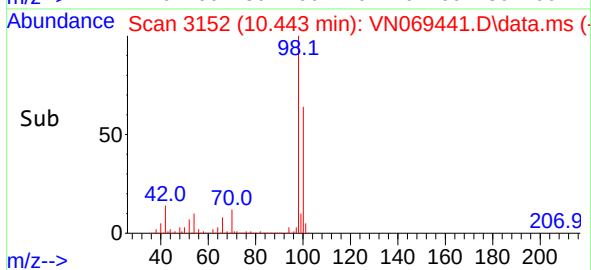
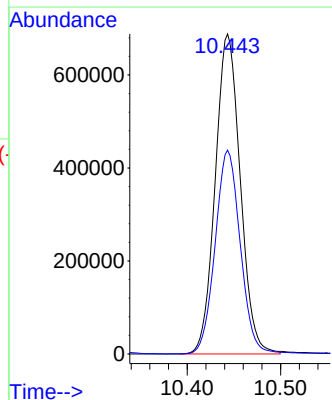
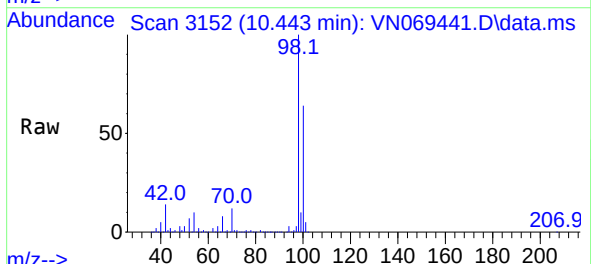
Instrument :
MSVOA_N
ClientSampleId :
IBLK

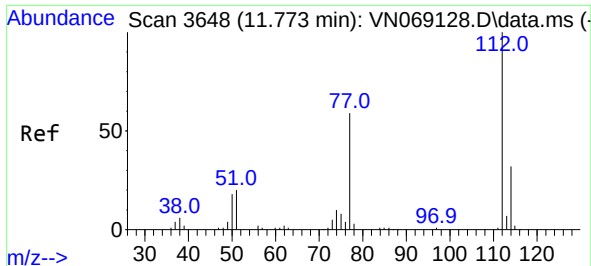
Tgt Ion: 91 Resp: 16782
Ion Ratio Lower Upper
91 100
92 60.0 44.6 67.0



#63
Toluene-d8
Concen: 30.719 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 98 Resp: 1283387
Ion Ratio Lower Upper
98 100
100 64.0 50.6 76.0

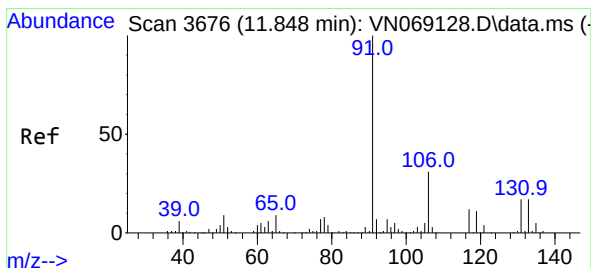
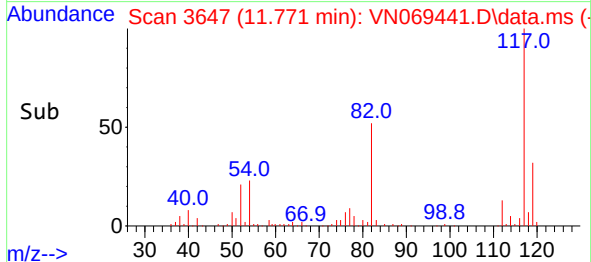
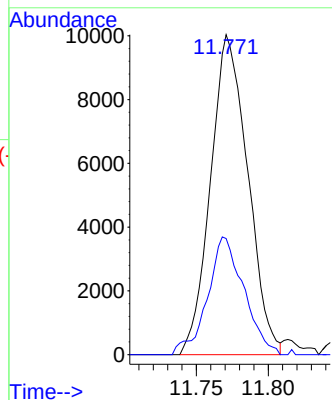
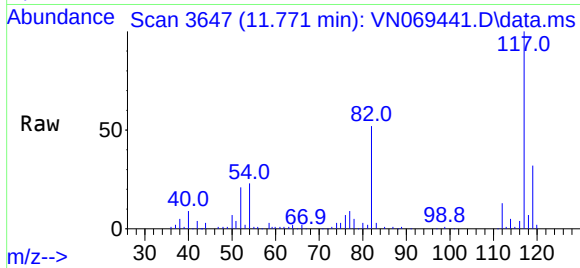




#64
Chlorobenzene
Concen: 0.605 ug/l
RT: 11.771 min Scan# 3648
Delta R.T. -0.002 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

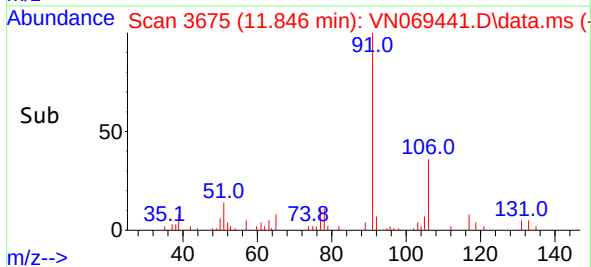
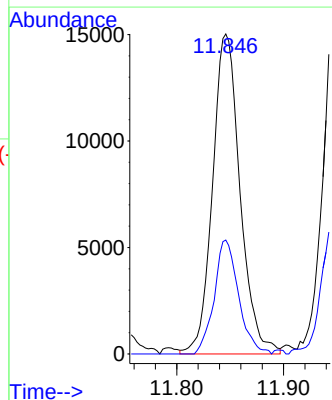
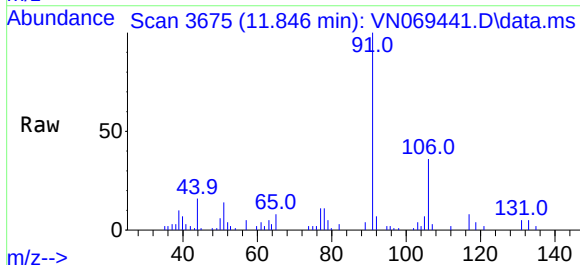
Instrument :
MSVOA_N
ClientSampleId :
IBLK

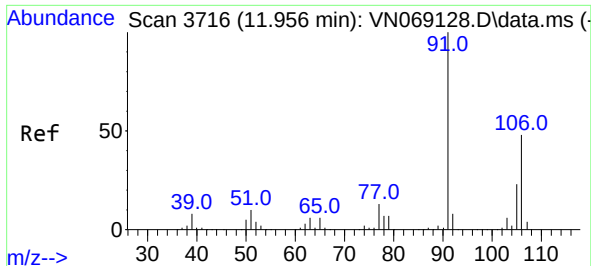
Tgt Ion:112 Resp: 18052
Ion Ratio Lower Upper
112 100
114 36.3 25.8 38.6



#66
Ethyl Benzene
Concen: 0.488 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. -0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 91 Resp: 26884
Ion Ratio Lower Upper
91 100
106 36.0 24.0 36.0#

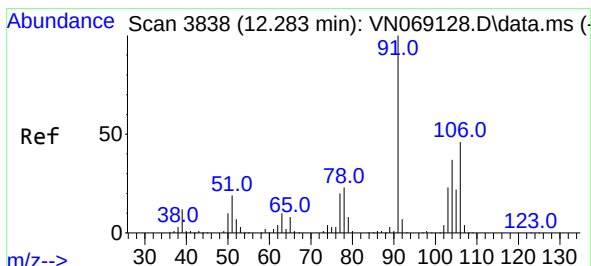
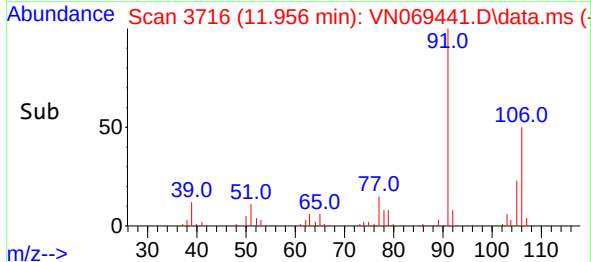
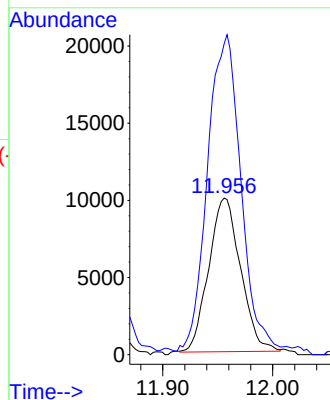
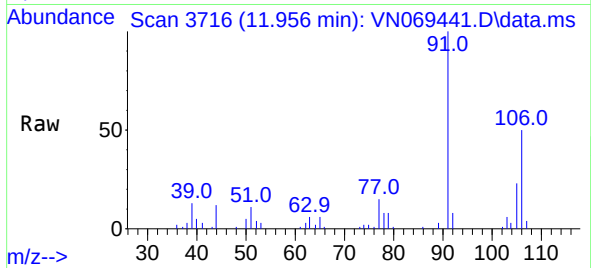




#67
m/p-Xylenes
Concen: 0.983 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

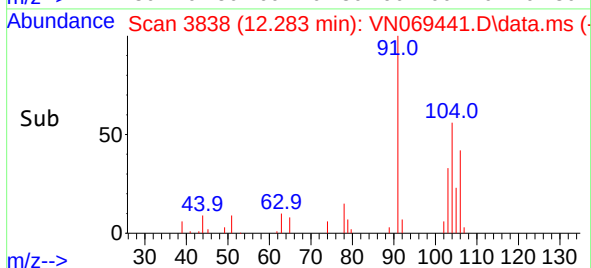
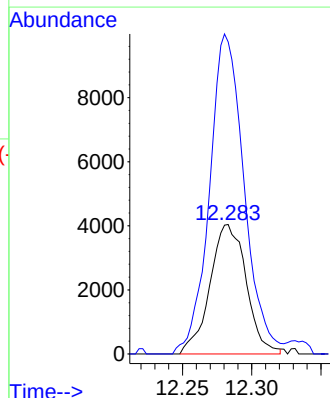
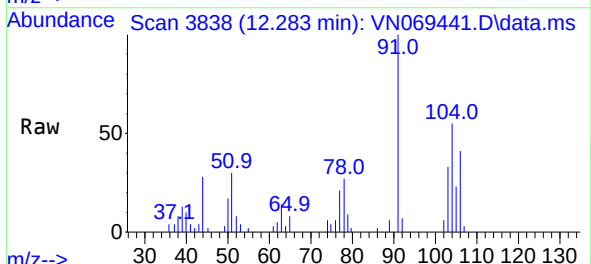
Instrument :
MSVOA_N
ClientSampleId :
IBLK

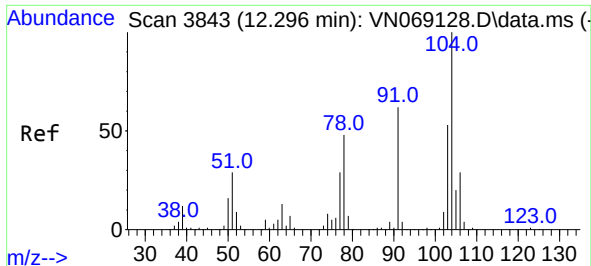
Tgt Ion:106 Resp: 20093
Ion Ratio Lower Upper
106 100
91 220.4 162.9 244.3



#68
o-Xylene
Concen: 0.360 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion:106 Resp: 7366
Ion Ratio Lower Upper
106 100
91 236.1 107.7 323.1

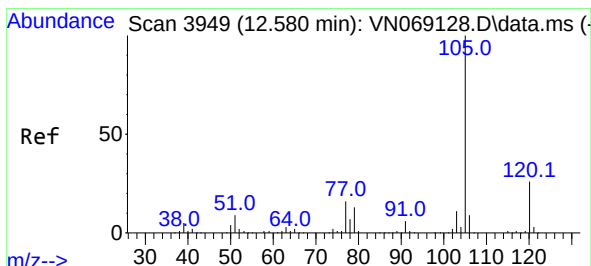
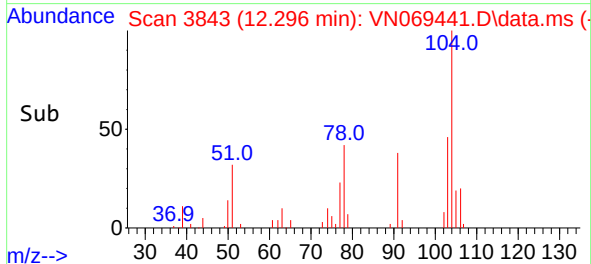
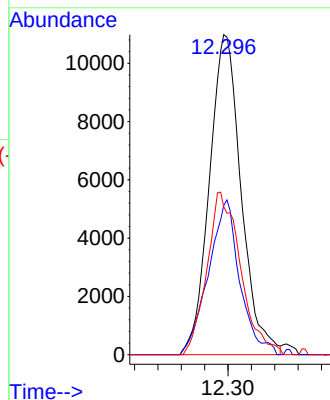
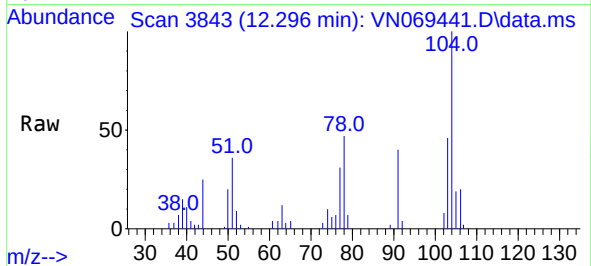




#69
Styrene
Concen: 0.624 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

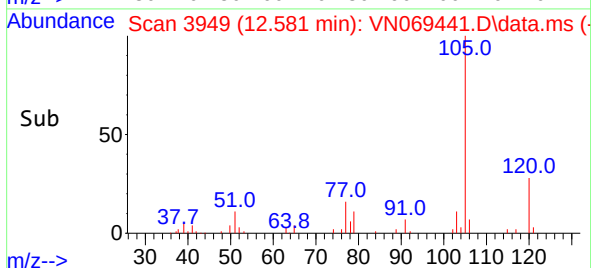
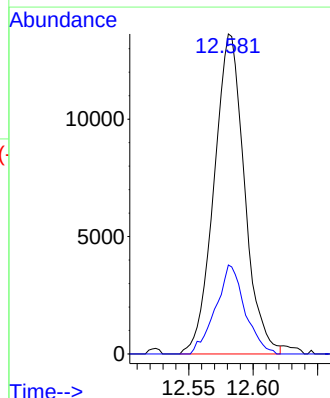
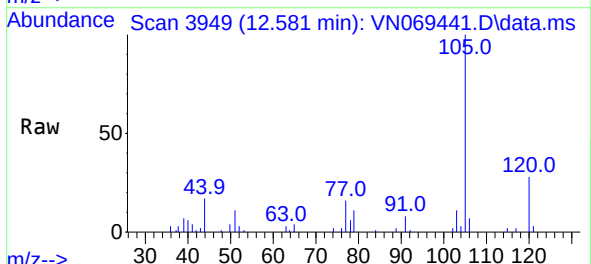
Instrument :
MSVOA_N
ClientSampleId :
IBLK

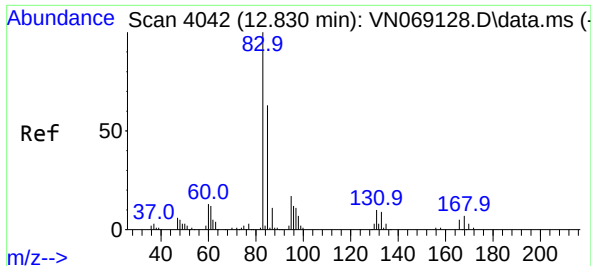
Tgt Ion:104 Resp: 20711
Ion Ratio Lower Upper
104 100
78 46.6 40.7 61.1
103 53.3 45.8 68.8



#70
Isopropylbenzene
Concen: 0.418 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion:105 Resp: 22382
Ion Ratio Lower Upper
105 100
120 26.7 18.3 34.1

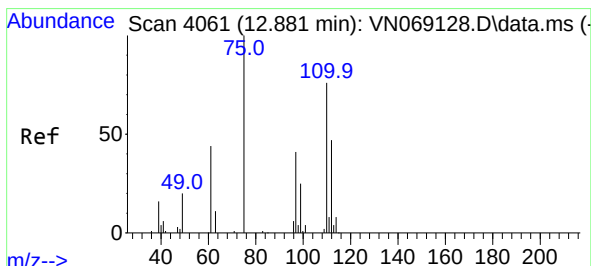
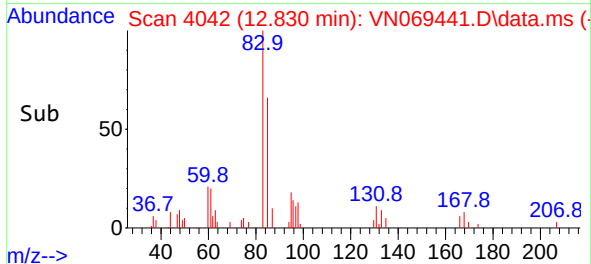
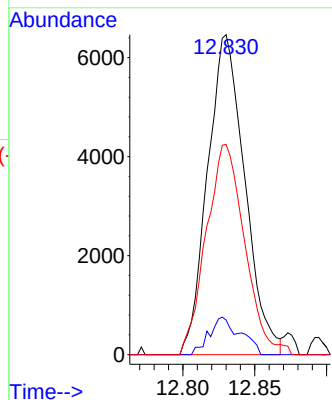
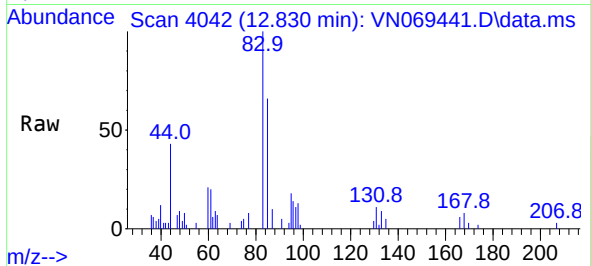




#71
1,1,2-Tetrachloroethane
Concen: 0.658 ug/l
RT: 12.830 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

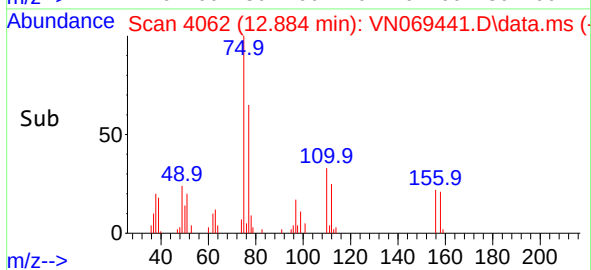
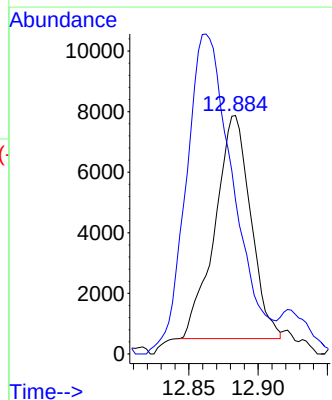
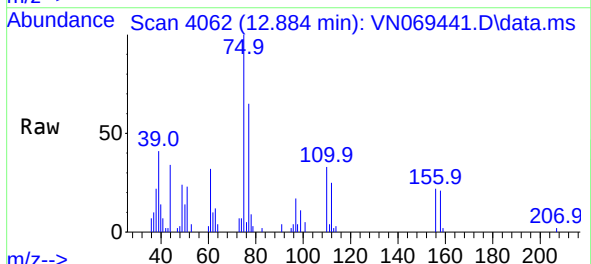
Instrument :
MSVOA_N
ClientSampleId :
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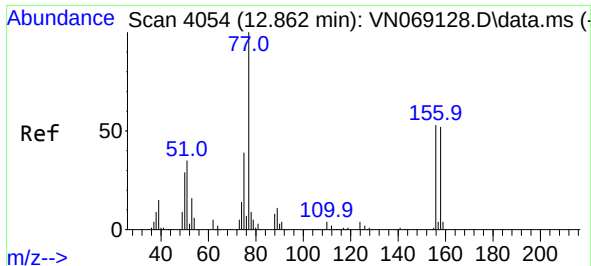
Tgt Ion: 83 Resp: 11630
Ion Ratio Lower Upper
83 100
131 5.1 5.1 15.3#
85 67.9 33.1 99.2



#72
1,2,3-Trichloropropane
Concen: 0.771 ug/l
RT: 12.884 min Scan# 4062
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 75 Resp: 13264
Ion Ratio Lower Upper
75 100
77 189.9 0.0 378.0

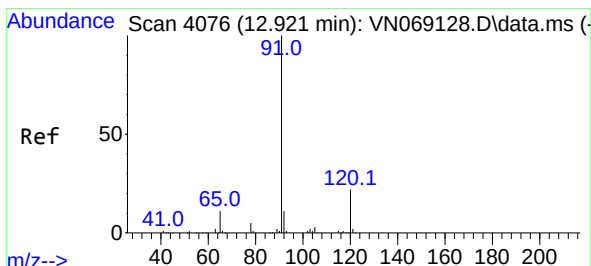
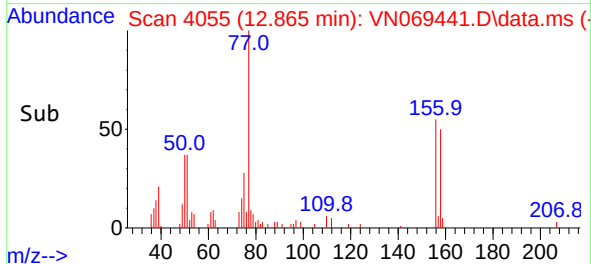
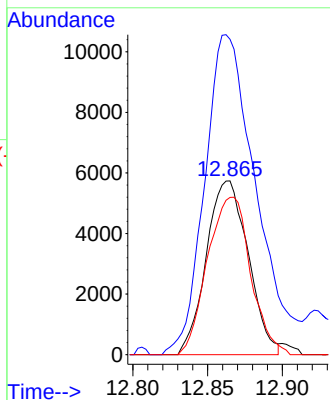
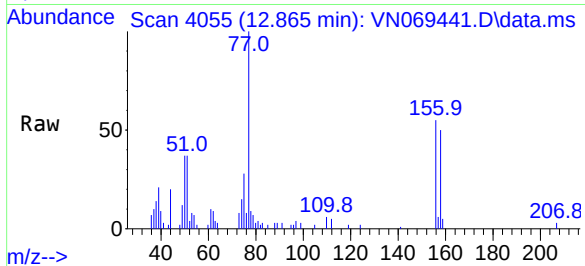




#73
Bromobenzene
Concen: 0.906 ug/l
RT: 12.865 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

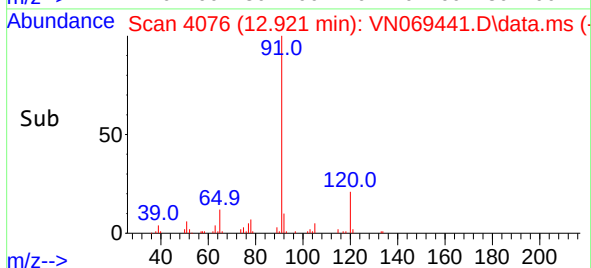
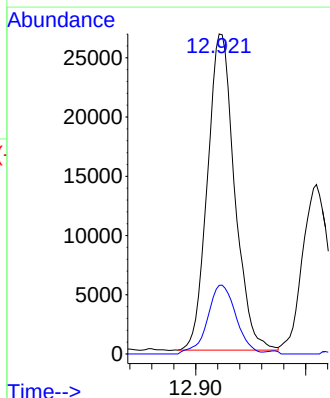
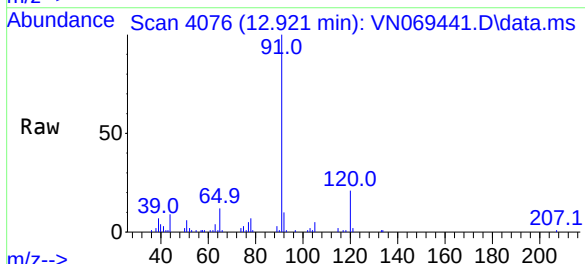
Instrument :
MSVOA_N
ClientSampleId :
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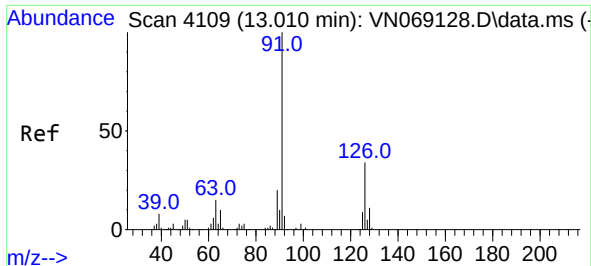
Tgt Ion:156 Resp: 11184
Ion Ratio Lower Upper
156 100
77 225.2 0.0 416.0
158 93.2 0.0 195.4



#74
n-propylbenzene
Concen: 0.745 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 91 Resp: 45784
Ion Ratio Lower Upper
91 100
120 22.8 0.0 45.0

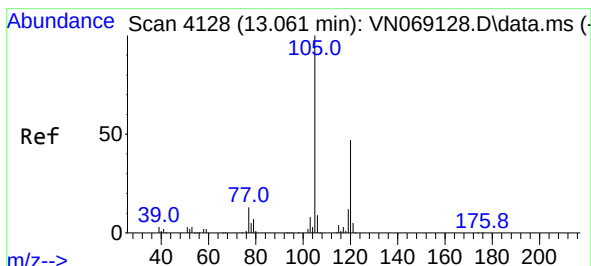
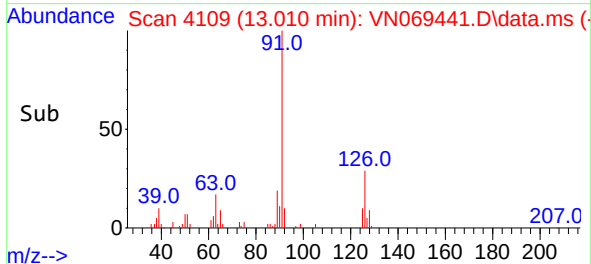
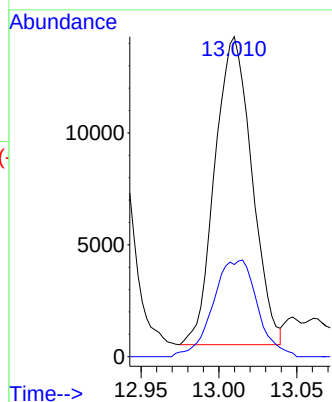
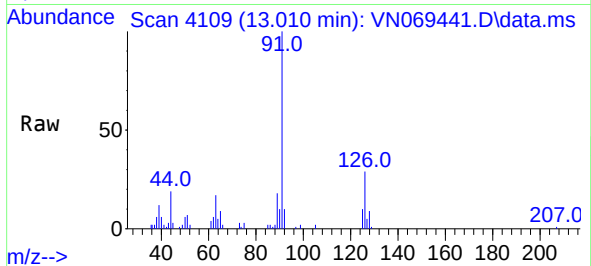




#75
2-Chlorotoluene
Concen: 0.608 ug/l
RT: 13.010 min Scan# 4109
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

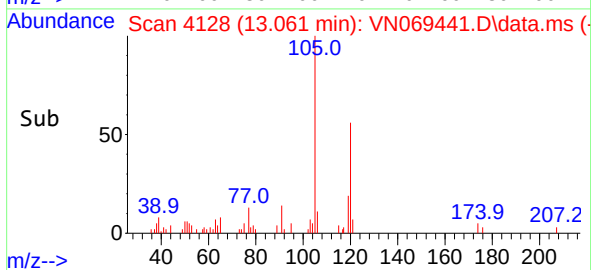
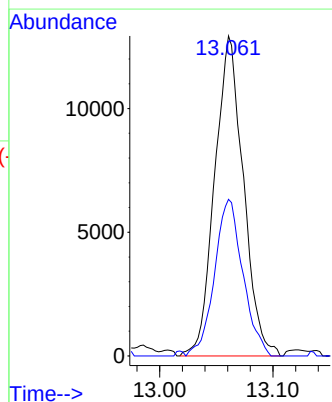
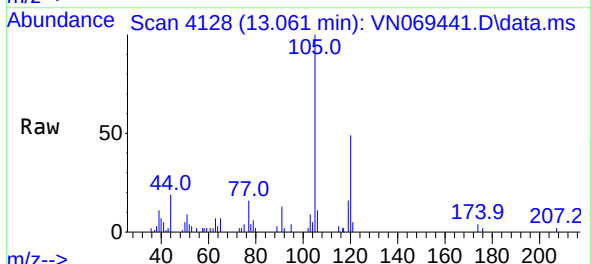
Instrument :
MSVOA_N
ClientSampleId :
IBLK

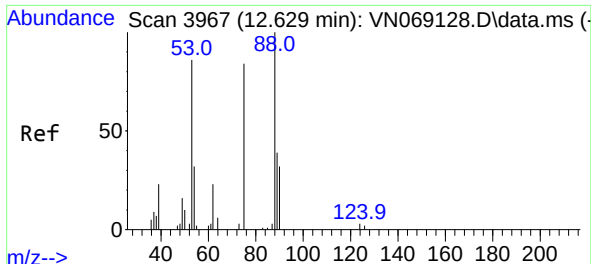
Tgt Ion: 91 Resp: 22749
Ion Ratio Lower Upper
91 100
126 19.5 0.0 69.8



#76
1,3,5-Trimethylbenzene
Concen: 0.517 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 105 Resp: 22716
Ion Ratio Lower Upper
105 100
120 48.4 0.0 93.8

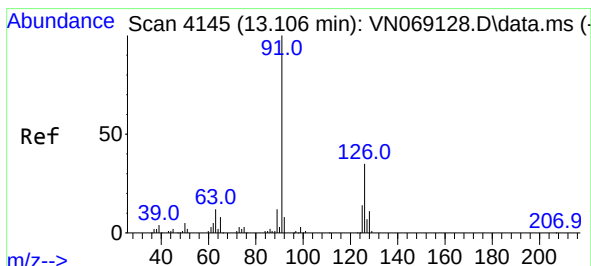
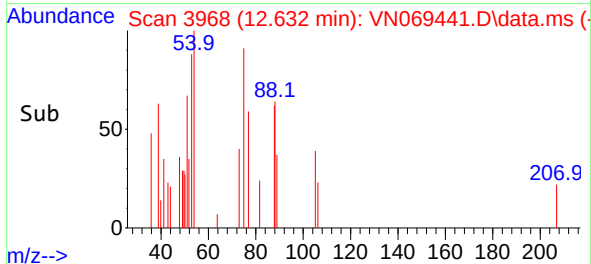
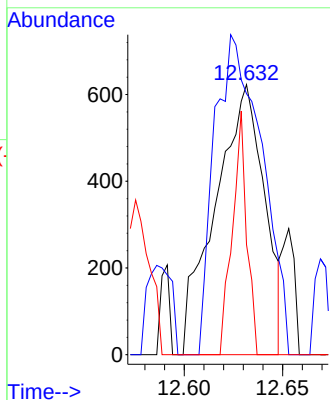
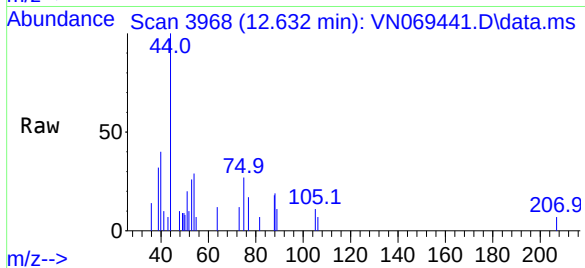




#77
t-1,4-Dichloro-2-butene
Concen: 0.233 ug/l
RT: 12.632 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

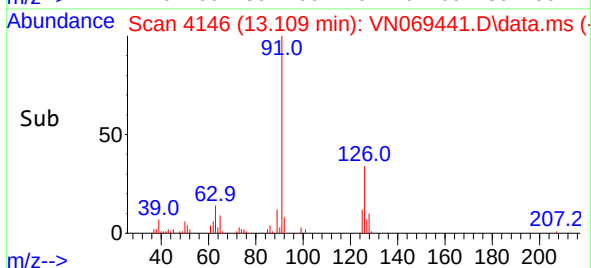
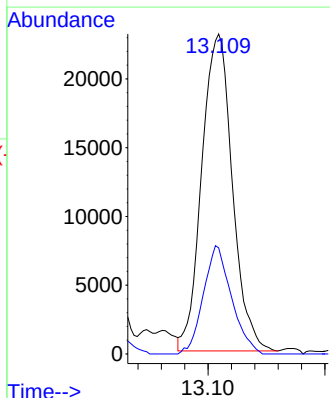
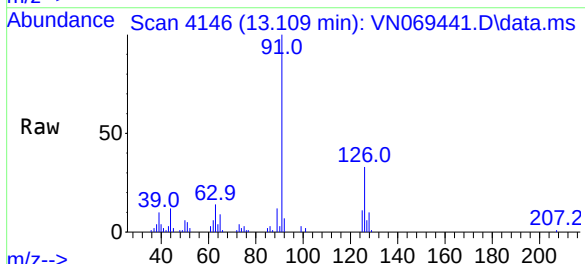
Instrument :
MSVOA_N
ClientSampleId :
IBLK

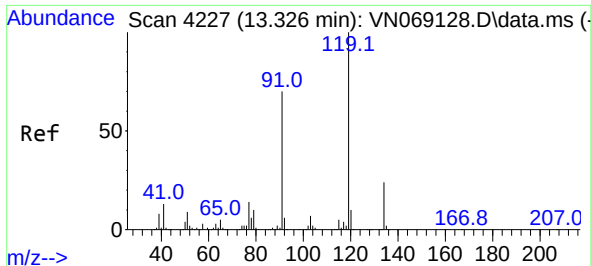
Tgt Ion: 75 Resp: 1080
Ion Ratio Lower Upper
75 100
53 96.6 51.8 155.5
89 40.8 22.9 68.7



#78
4-Chlorotoluene
Concen: 1.170 ug/l
RT: 13.109 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 91 Resp: 41913
Ion Ratio Lower Upper
91 100
126 31.4 0.0 70.6

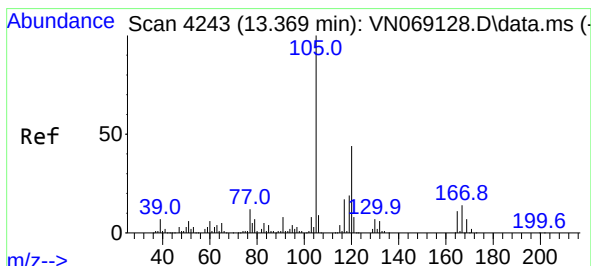
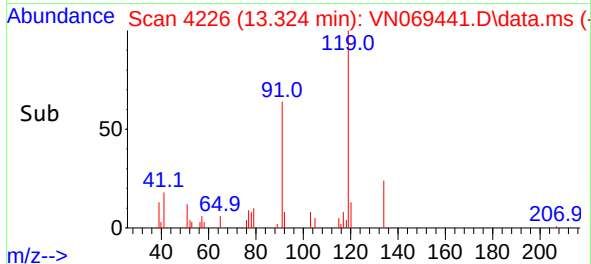
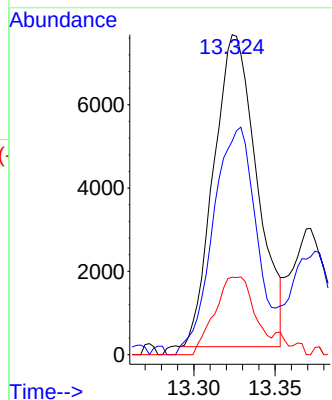
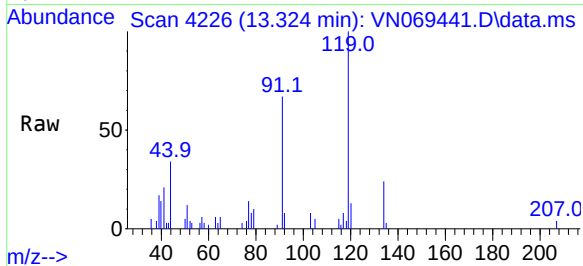




#79
tert-butylbenzene
Concen: 0.359 ug/l
RT: 13.324 min Scan# 41
Delta R.T. -0.002 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

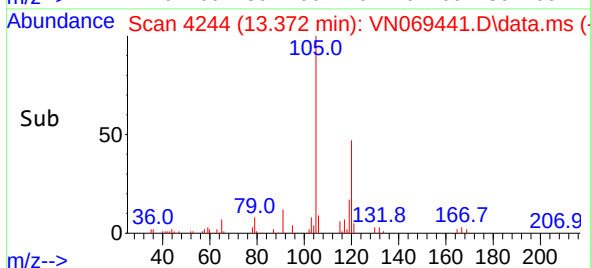
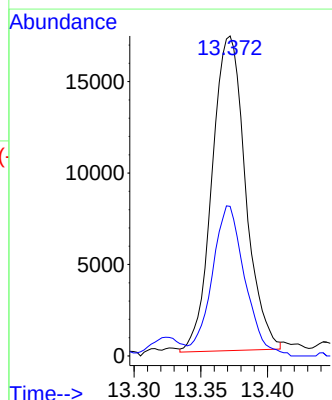
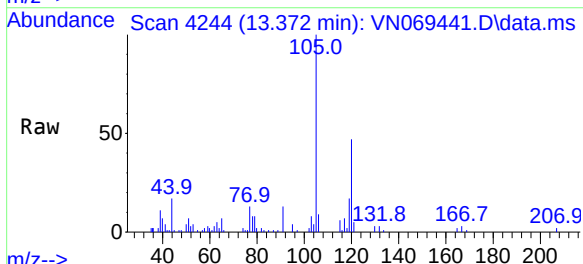
Instrument :
MSVOA_N
ClientSampleId :
IBLK

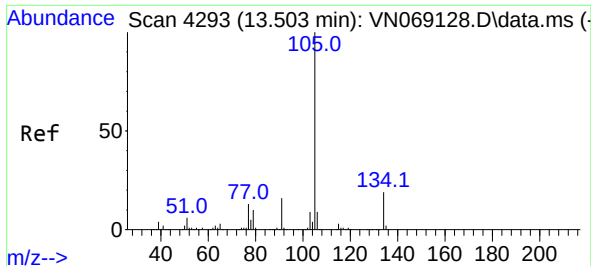
Tgt Ion:119 Resp: 13893
Ion Ratio Lower Upper
119 100
91 72.7 0.0 137.0
134 13.3 0.0 47.6



#80
1,2,4-Trimethylbenzene
Concen: 0.700 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion:105 Resp: 29980
Ion Ratio Lower Upper
105 100
120 47.0 0.0 0.2#

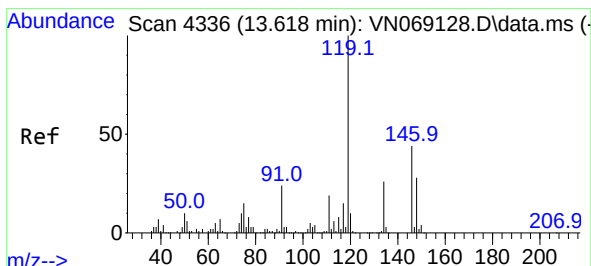
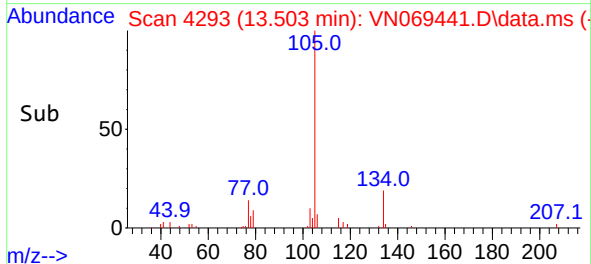
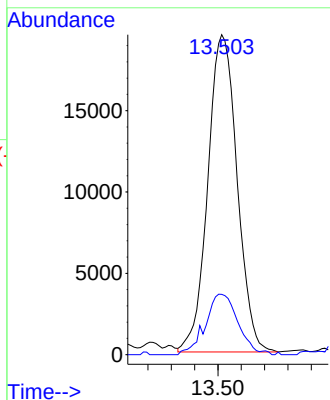
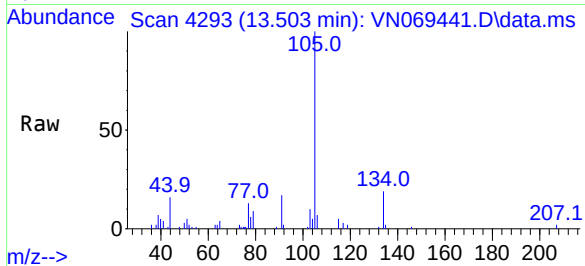




#81
 sec-Butylbenzene
 Concen: 0.630 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.000 min
 Lab File: VN069441.D
 Acq: 10 Nov 2021 14:41

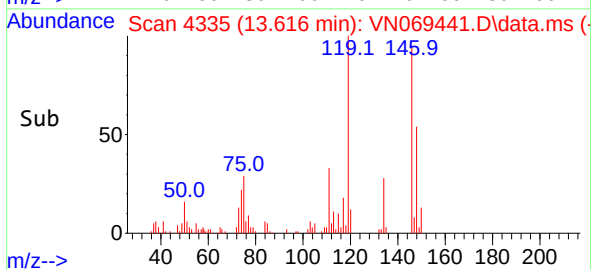
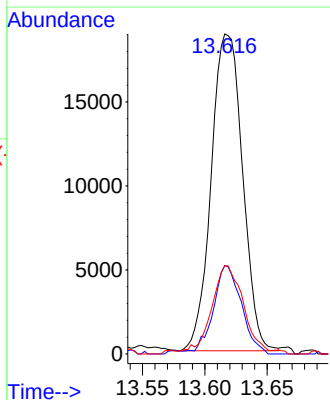
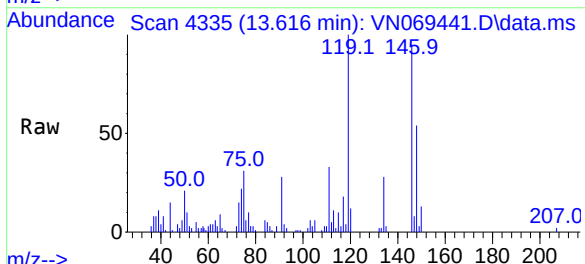
Instrument :
 MSVOA_N
 ClientSampleId :
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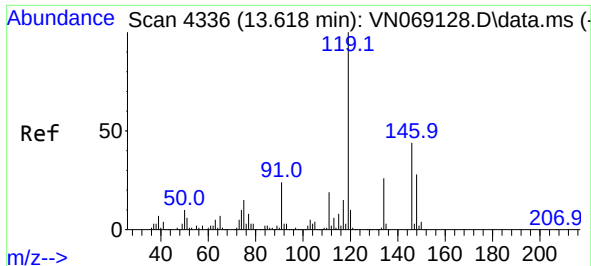
Tgt Ion:105 Resp: 34086
 Ion Ratio Lower Upper
 105 100
 134 18.2 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 0.764 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. -0.002 min
 Lab File: VN069441.D
 Acq: 10 Nov 2021 14:41

Tgt Ion:119 Resp: 32968
 Ion Ratio Lower Upper
 119 100
 134 24.7 0.0 51.8
 91 26.1 0.0 50.4

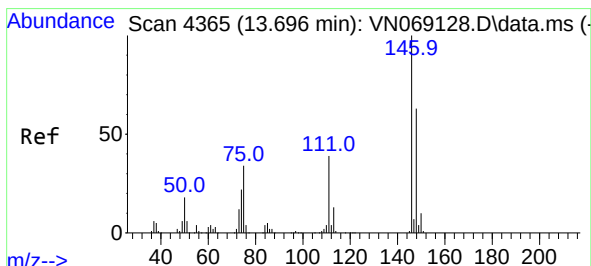
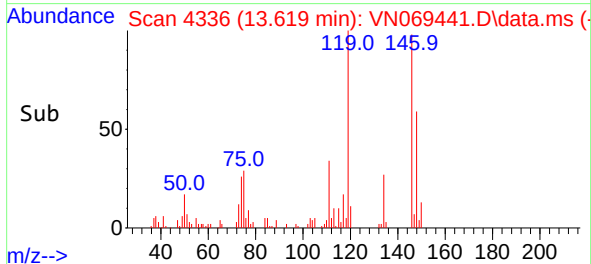
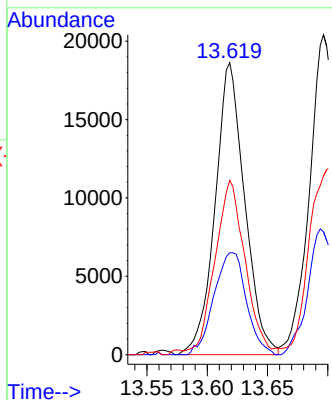
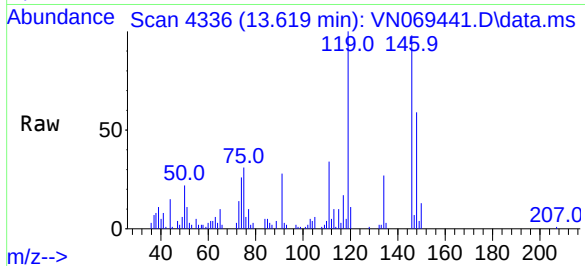




#83
1,3-Dichlorobenzene
Concen: 1.507 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

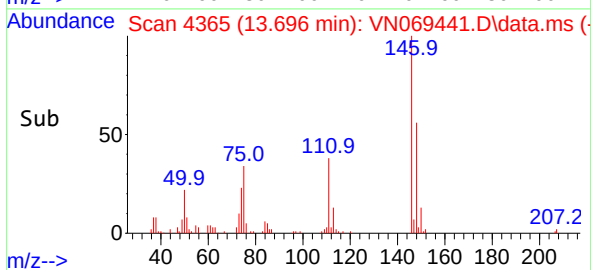
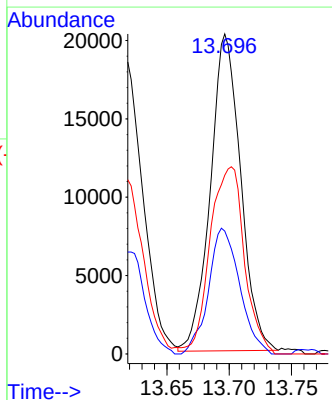
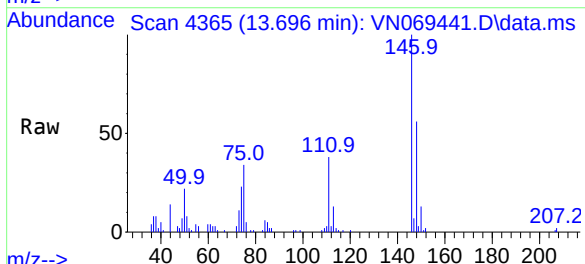
Instrument :
MSVOA_N
ClientSampleId :
IBLK

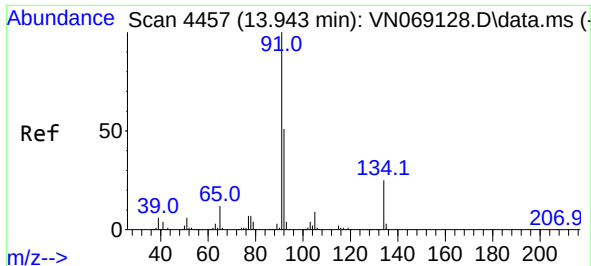
Tgt Ion:146 Resp: 31802
Ion Ratio Lower Upper
146 100
111 38.2 20.8 62.2
148 60.6 31.4 94.3



#84
1,4-Dichlorobenzene
Concen: 1.671 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion:146 Resp: 34189
Ion Ratio Lower Upper
146 100
111 40.9 19.5 58.5
148 66.9 31.1 93.5

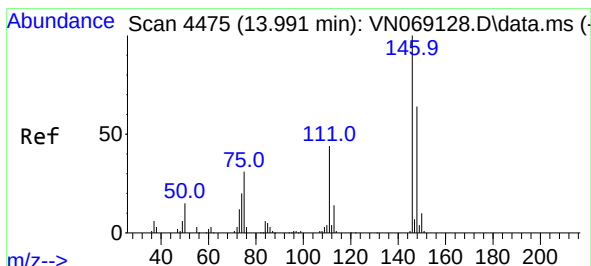
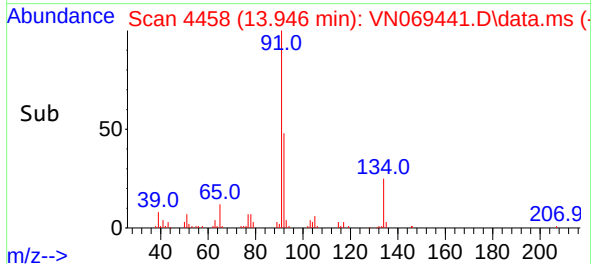
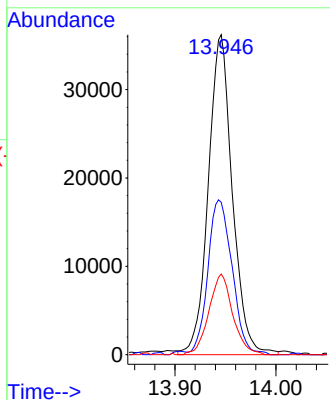
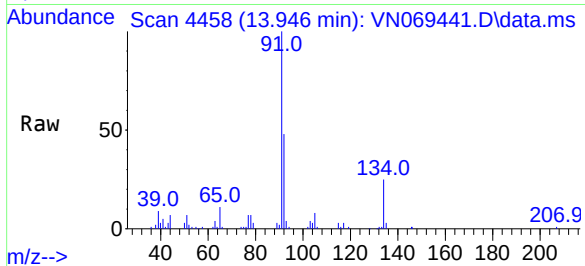




#85
n-Butylbenzene
Concen: 1.662 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

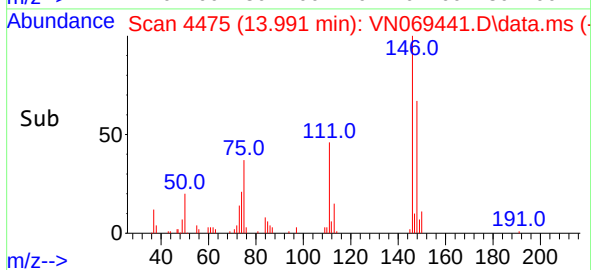
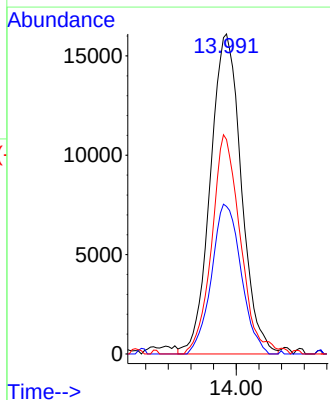
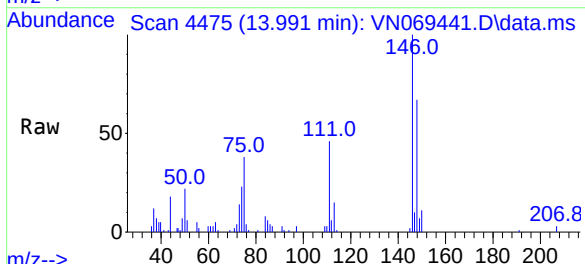
Instrument :
MSVOA_N
ClientSampleId :
IBLK

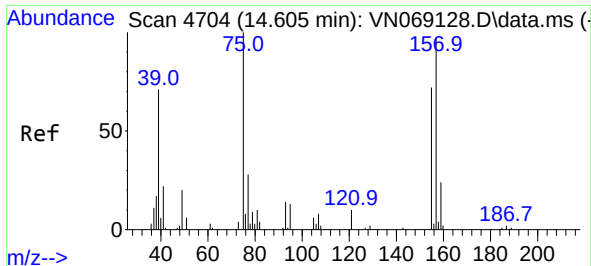
Tgt Ion: 91	Resp: 59857
Ion Ratio	Lower Upper
91	100
92	48.9 0.0 100.6
134	25.0 0.0 50.2



#87
1,2-Dichlorobenzene
Concen: 1.499 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion: 146	Resp: 30518
Ion Ratio	Lower Upper
146	100
111	44.7 21.4 64.2
148	62.0 32.5 97.4

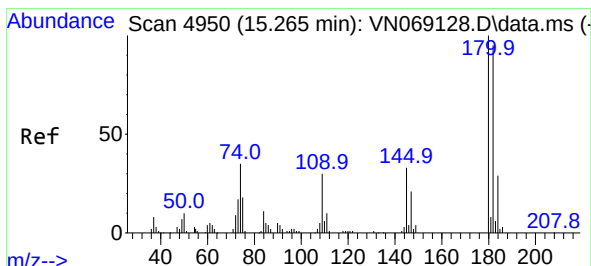
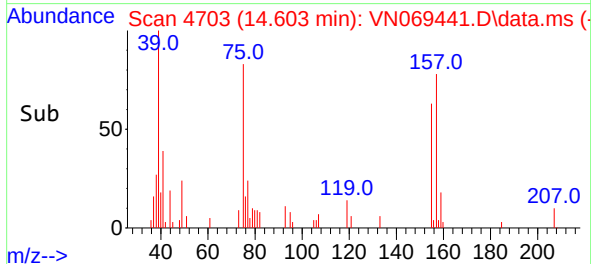
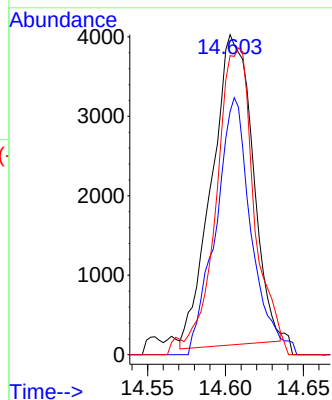
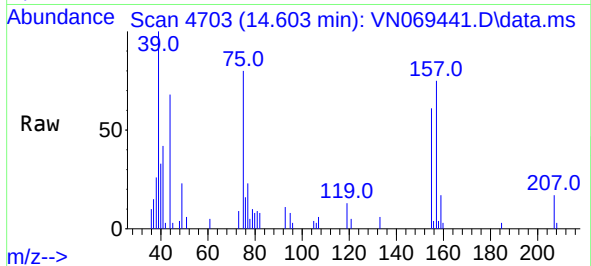




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.306 ug/l
 RT: 14.603 min Scan# 4703
 Delta R.T. -0.003 min
 Lab File: VN069441.D
 Acq: 10 Nov 2021 14:41

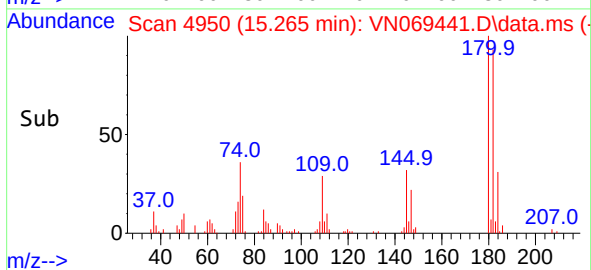
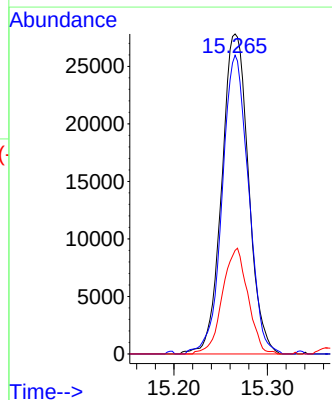
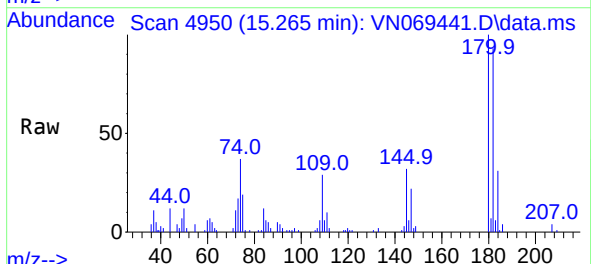
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

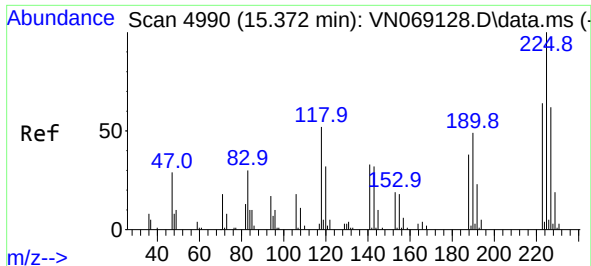
Tgt Ion: 75 Resp: 7130
 Ion Ratio Lower Upper
 75 100
 155 71.1 63.8 95.8
 157 91.0 77.9 116.9



#89
 1,2,4-Trichlorobenzene
 Concen: 5.682 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN069441.D
 Acq: 10 Nov 2021 14:41

Tgt Ion:180 Resp: 55467
 Ion Ratio Lower Upper
 180 100
 182 91.5 77.7 116.5
 145 31.4 26.6 39.8

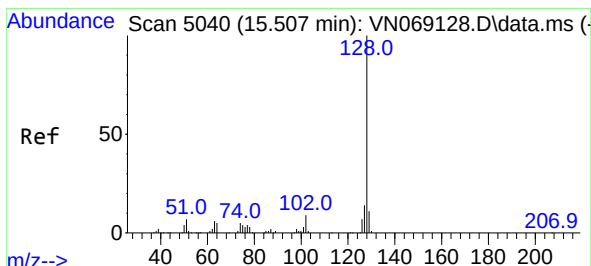
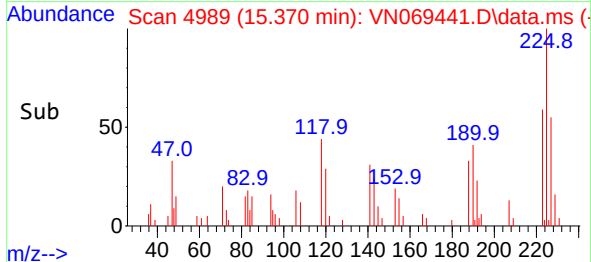
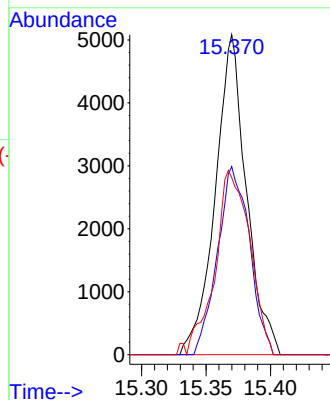
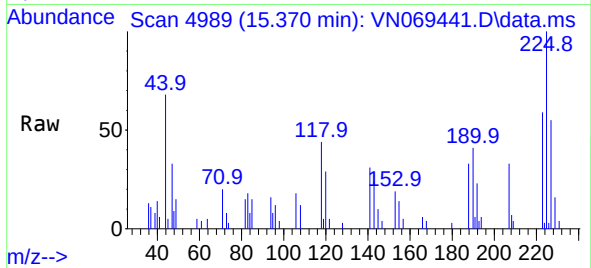




#90
Hexachlorobutadiene
Concen: 1.616 ug/l
RT: 15.370 min Scan# 4990
Delta R.T. -0.002 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

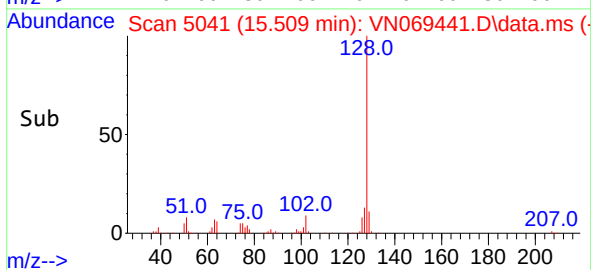
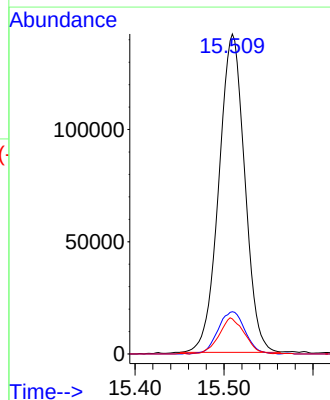
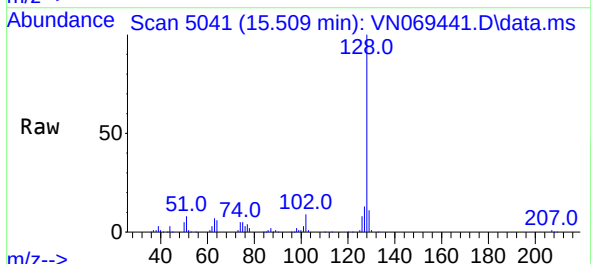
Instrument :
MSVOA_N
ClientSampleId :
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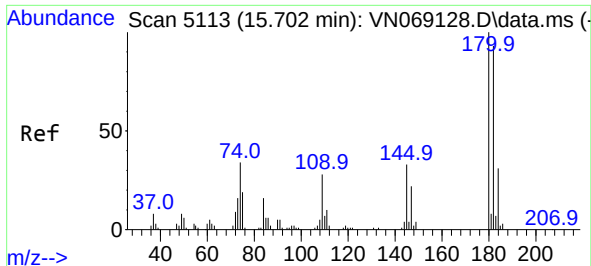
Tgt Ion:225	Resp:	8533
Ion	Ratio	Lower Upper
225	100	
223	60.4	0.0 126.8
227	64.0	0.0 123.0



#91
Naphthalene
Concen: 10.181 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN069441.D
Acq: 10 Nov 2021 14:41

Tgt Ion:128	Resp:	286324
Ion	Ratio	Lower Upper
128	100	
127	14.0	10.7 16.1
129	11.2	9.0 13.6





#92

1,2,3-Trichlorobenzene

Concen: 7.228 ug/l

RT: 15.702 min Scan# 51

Delta R.T. 0.000 min

Lab File: VN069441.D

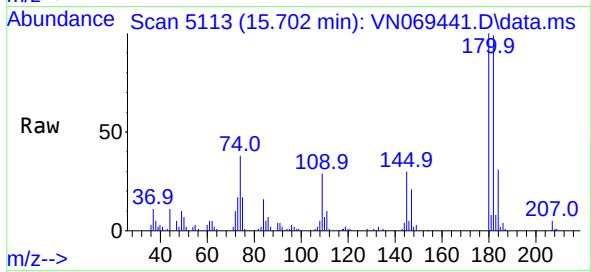
Acq: 10 Nov 2021 14:41

Instrument :

MSVOA_N

ClientSampleId :

IBLK



Tgt Ion:180 Resp: 69362

Ion Ratio Lower Upper

180 100

182 98.1 0.0 190.0

145 31.9 0.0 67.8

