

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091321\
 Data File : VN068459.D
 Acq On : 13 Sep 2021 15:45
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Sep 14 04:26:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N091321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Sep 14 04:23:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	104390	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	531907	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	451933	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	182525	29.607	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.700%
60) 4-Bromofluorobenzene	12.736	95	171837	26.676	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.933%
63) Toluene-d8	10.446	98	608468	30.949	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.167%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	2444	0.514	ug/l	97
3) Chloromethane	2.303	50	1140	0.248	ug/l	97
5) Bromomethane	2.875	94	2534	0.350	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.205	101	1278	0.250	ug/l	42
10) 1,1-Dichloroethene	4.183	96	1576	0.331	ug/l #	69
11) Methyl Iodide	4.433	142	1745	0.236	ug/l #	76
13) Acrolein	4.044	56	831	2.088	ug/l #	76
14) Acrylonitrile	5.559	53	1365	0.637	ug/l #	48
15) Acetone	4.293	58	365	0.625	ug/l #	17
16) Carbon Disulfide	4.540	76	13749	1.120	ug/l #	90
18) Methylene Chloride	5.103	84	3602	0.633	ug/l	87
37) Trichloroethene	9.223	130	3668	0.527	ug/l	83
38) Methylcyclohexane	9.464	83	3555	0.388	ug/l	95
40) Dibromomethane	9.577	93	1649	0.392	ug/l	86
42) Vinyl Acetate	6.447	43	2019	0.201	ug/l #	82
44) Isopropyl Acetate	8.571	43	2025	0.206	ug/l #	63
45) 1,4-Dioxane	9.577	88	1154	11.617	ug/l #	37
46) Methyl methacrylate	9.569	41	1733	0.436	ug/l	72
47) n-amyl Acetate	12.396	43	17375	2.519	ug/l	100
48) t-1,3-Dichloropropene	10.722	75	2277	0.277	ug/l #	79
50) 1,1,2-Trichloroethane	10.902	97	1662	0.274	ug/l #	81
51) Ethyl methacrylate	10.765	69	4260	0.546	ug/l	92
52) 1,3-Dichloropropane	11.047	76	2186	0.242	ug/l	77
53) Dibromochloromethane	11.242	129	1862	0.249	ug/l	61
54) 1,2-Dibromoethane	11.347	107	2059	0.316	ug/l	81
55) 2-Chloroethyl vinyl ether	10.046	63	955	0.723	ug/l #	86
56) Bromoform	12.465	173	2734	0.456	ug/l #	74
58) 4-Methyl-2-Pentanone	10.336	43	16305	3.065	ug/l	100
59) 2-Hexanone	11.095	43	33685	9.136	ug/l	92
61) Tetrachloroethene	10.980	164	3907	0.601	ug/l	95
62) Toluene	10.505	91	8202	0.345	ug/l #	57
64) Chlorobenzene	11.776	112	9276	0.591	ug/l	98
66) Ethyl Benzene	11.848	91	13124	0.508	ug/l	98
67) m/p-Xylenes	11.956	106	12143	1.140	ug/l	97
68) o-Xylene	12.286	106	4379	0.416	ug/l	94
69) Styrene	12.296	104	11696	0.701	ug/l	96
70) Isopropylbenzene	12.583	105	14028	0.525	ug/l	88
71) 1,1,2,2-Tetrachloroethane	12.830	83	6605	0.908	ug/l	94
72) 1,2,3-Trichloropropane	12.881	75	8346	1.379	ug/l	75

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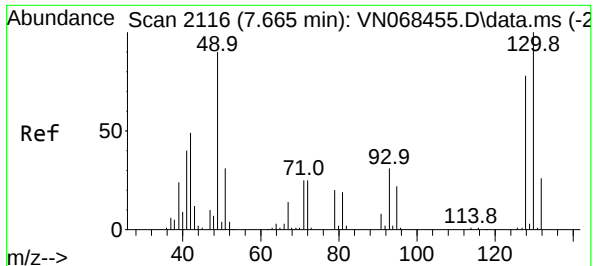
Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Bromobenzene	12.865	156	7689	1.014	ug/l	98
74) n-propylbenzene	12.924	91	27305	0.948	ug/l	95
75) 2-Chlorotoluene	13.012	91	13251	0.764	ug/l	96
76) 1,3,5-Trimethylbenzene	13.063	105	15099	0.677	ug/l	95
77) t-1,4-Dichloro-2-butene	12.626	75	469	0.235	ug/l	87
78) 4-Chlorotoluene	13.012	91	13251	0.796	ug/l	96
79) tert-butylbenzene	13.326	119	11041	0.539	ug/l	97
80) 1,2,4-Trimethylbenzene	13.372	105	19329	0.896	ug/l #	61
81) sec-Butylbenzene	13.506	105	22048	0.814	ug/l	96
82) p-Isopropyltoluene	13.621	119	24204	1.042	ug/l	96
83) 1,3-Dichlorobenzene	13.619	146	22306	1.692	ug/l	98
84) 1,4-Dichlorobenzene	13.699	146	25393	2.011	ug/l	98
85) n-Butylbenzene	13.946	91	40308	2.439	ug/l	100
86) Hexachloroethane	14.217	117	1225	0.287	ug/l #	39
87) 1,2-Dichlorobenzene	13.991	146	23493	1.855	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.606	75	5062	4.117	ug/l	96
89) 1,2,4-Trichlorobenzene	15.265	180	46139	7.539	ug/l	99
90) Hexachlorobutadiene	15.373	225	7521	1.943	ug/l	77
91) Naphthalene	15.512	128	194252	14.714	ug/l	100
92) 1,2,3-Trichlorobenzene	15.705	180	63254	10.976	ug/l	99

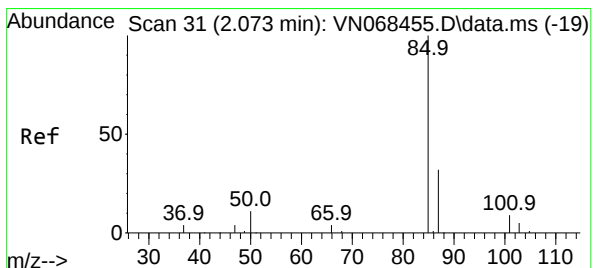
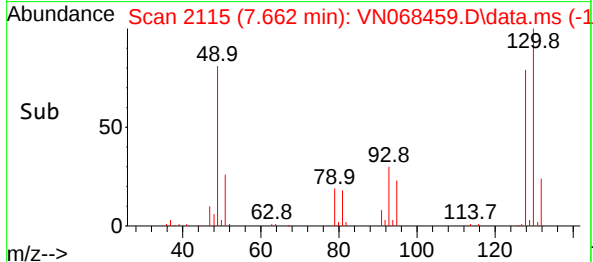
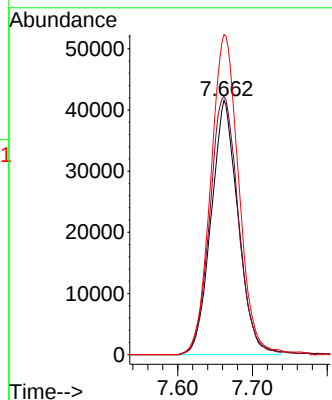
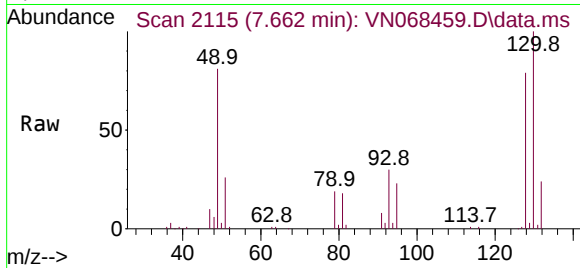
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.662 min Scan# 2115
 Delta R.T. -0.003 min
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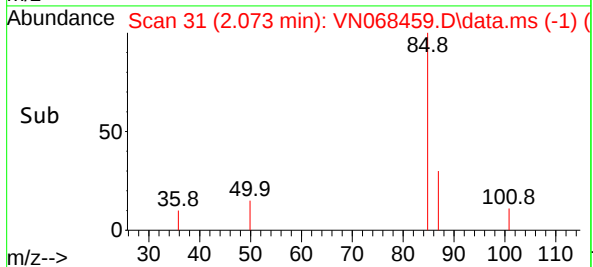
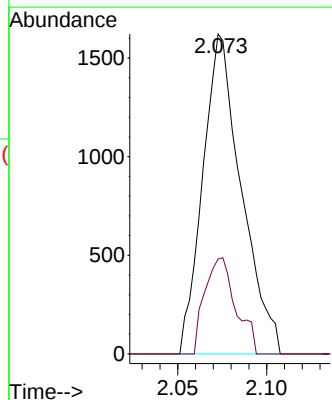
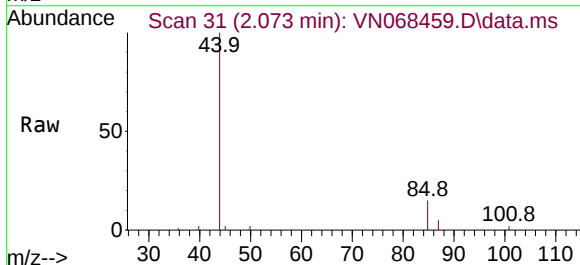
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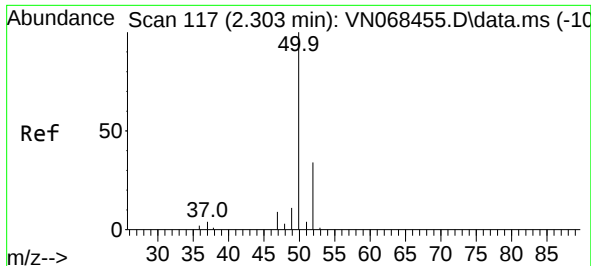
Tgt Ion:	128	Resp:	104390
Ion	Ratio	Lower	Upper
128	100		
49	107.0	0.0	292.5
130	130.0	0.0	325.0



#2
 Dichlorodifluoromethane
 Concen: 0.514 ug/l
 RT: 2.073 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VN068459.D
 Acq: 13 Sep 2021 15:45

Tgt Ion:	85	Resp:	2444
Ion	Ratio	Lower	Upper
85	100		
87	29.7	15.8	47.3

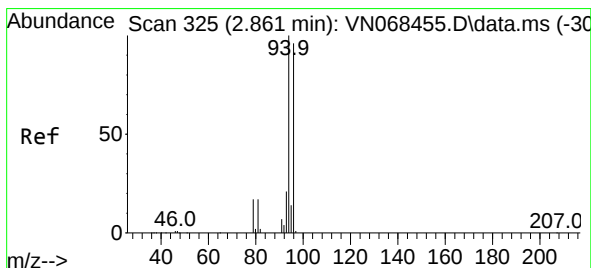
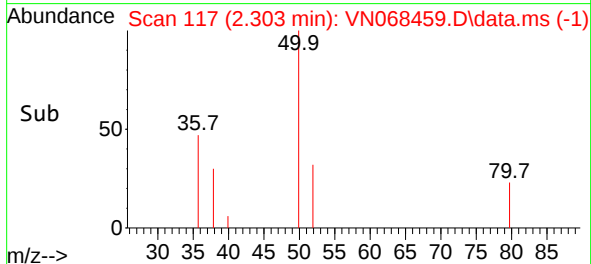
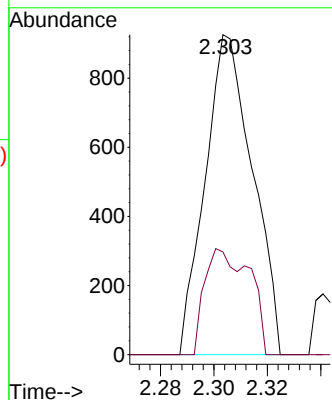
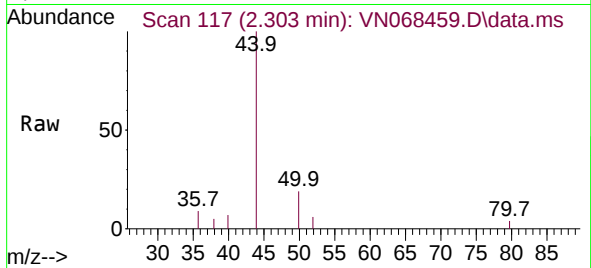




#3
Chloromethane
Concen: 0.248 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

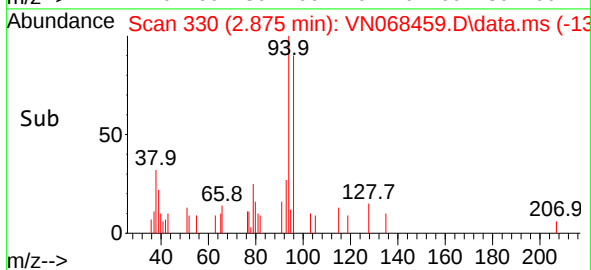
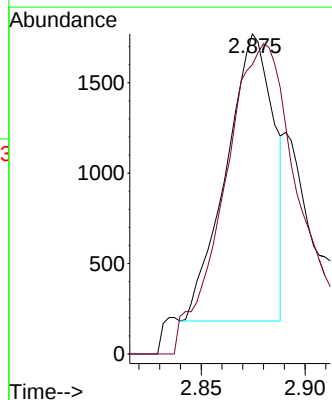
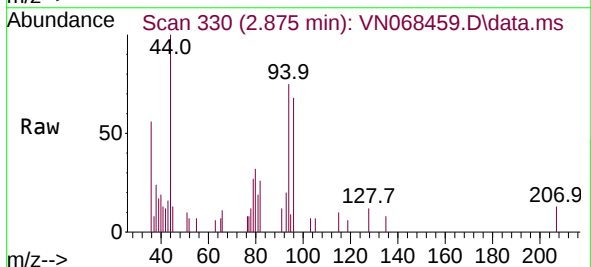
Instrument :
MSVOA_N
ClientSampleId :
IBLK

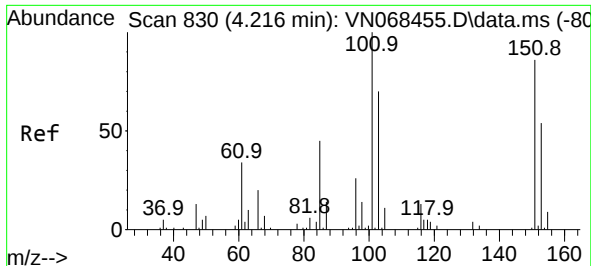
Tgt Ion: 50 Resp: 1140
Ion Ratio Lower Upper
50 100
52 32.1 27.0 40.4



#5
Bromomethane
Concen: 0.350 ug/l
RT: 2.875 min Scan# 330
Delta R.T. 0.013 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 94 Resp: 2534
Ion Ratio Lower Upper
94 100
96 77.1 77.0 115.4

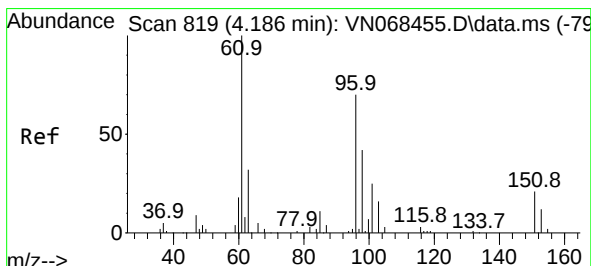
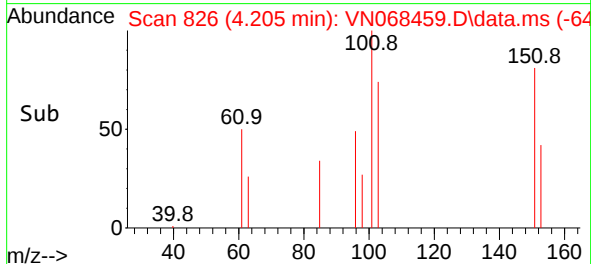
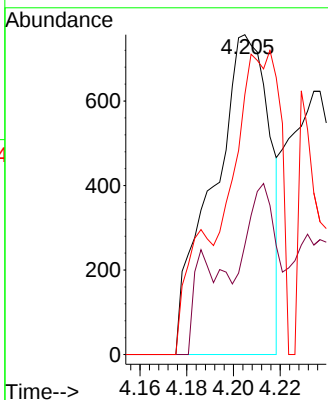
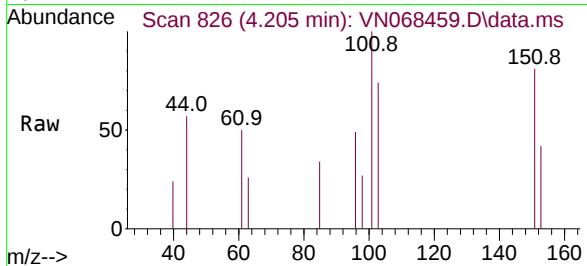




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.250 ug/l
RT: 4.205 min Scan# 81
Delta R.T. -0.011 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

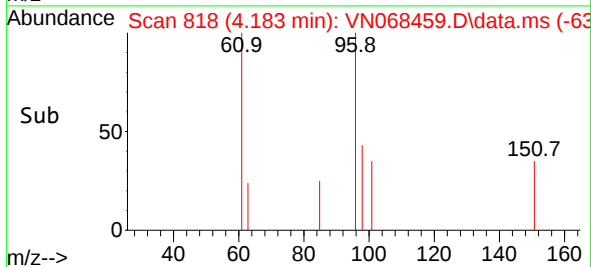
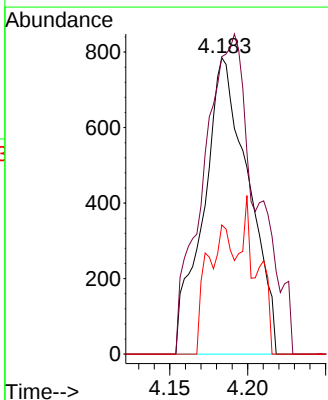
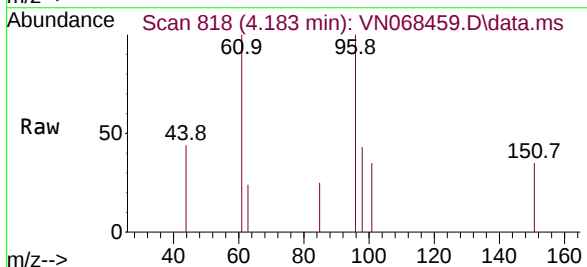
Instrument :
MSVOA_N
ClientSampleId :
IBLK

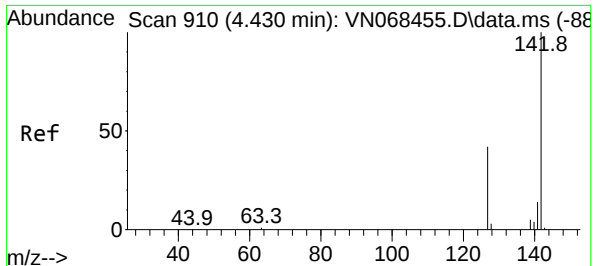
Tgt Ion:101 Resp: 1278
Ion Ratio Lower Upper
101 100
85 17.0 0.0 89.2
151 27.5 0.0 176.4



#10
1,1-Dichloroethene
Concen: 0.331 ug/l
RT: 4.183 min Scan# 818
Delta R.T. -0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 96 Resp: 1576
Ion Ratio Lower Upper
96 100
61 100.4 114.1 171.1#
98 43.6 48.3 72.5#





#11

Methyl Iodide

Concen: 0.236 ug/l

RT: 4.433 min Scan# 911

Delta R.T. 0.003 min

Lab File: VN068459.D

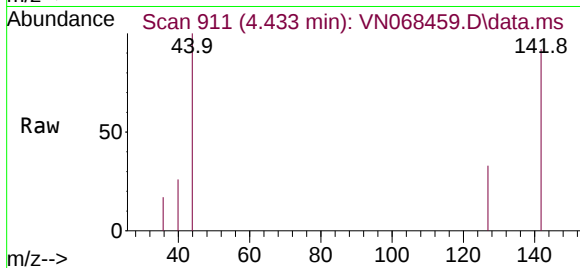
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Instrument :

MSVOA_N

ClientSampleId :

IBLK



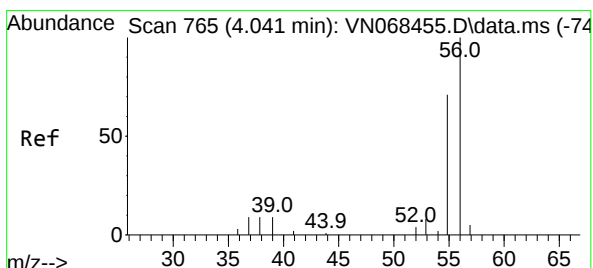
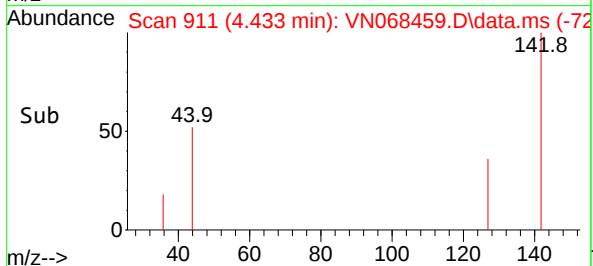
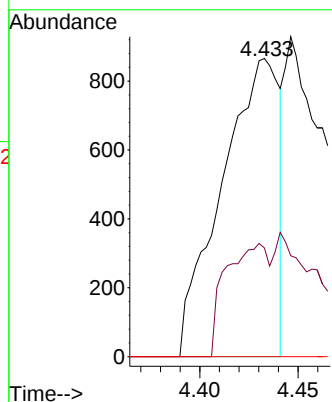
Tgt Ion:142 Resp: 1745

Ion Ratio Lower Upper

142 100

127 28.4 20.9 62.8

141 0.0 6.8 20.3#



#13

Acrolein

Concen: 2.088 ug/l

RT: 4.044 min Scan# 766

Delta R.T. 0.003 min

Lab File: VN068459.D

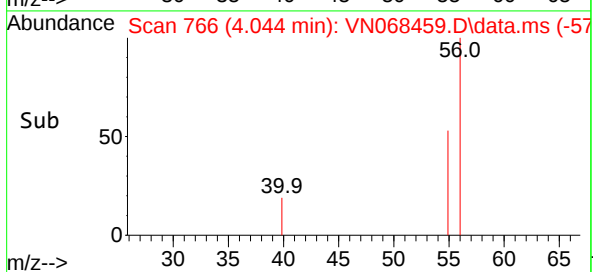
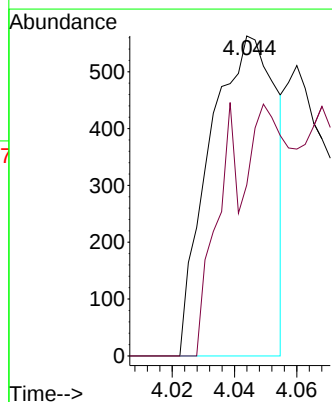
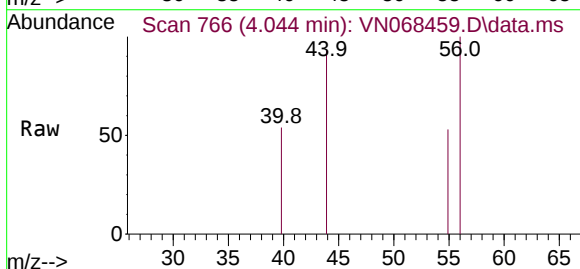
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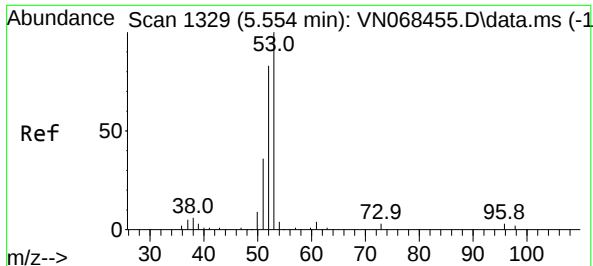
Tgt Ion: 56 Resp: 831

Ion Ratio Lower Upper

56 100

55 52.0 57.2 85.8#





#14

Acrylonitrile

Concen: 0.637 ug/l

RT: 5.559 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN068459.D

Acq: 13 Sep 2021 15:45

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MSVOA_N

ClientSampleId :

IBLK

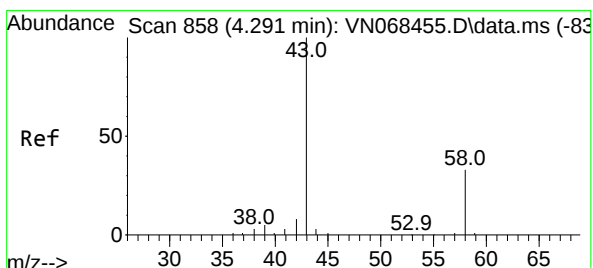
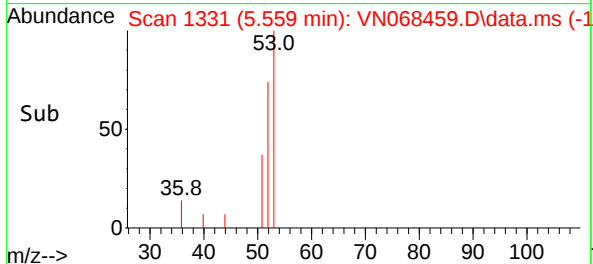
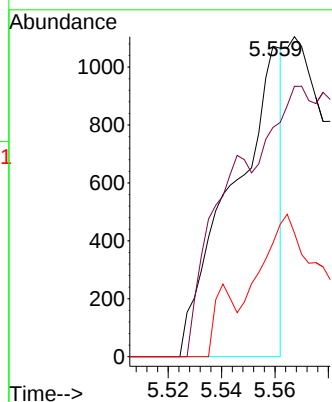
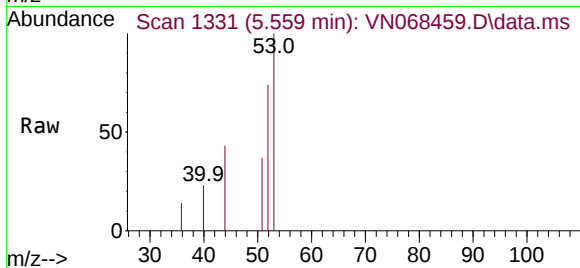
Tgt Ion: 53 Resp: 1365

Ion Ratio Lower Upper

53 100

52 31.6 41.5 124.5#

51 60.3 17.9 53.7#



#15

Acetone

Concen: 0.625 ug/l

RT: 4.293 min Scan# 859

Delta R.T. 0.003 min

Lab File: VN068459.D

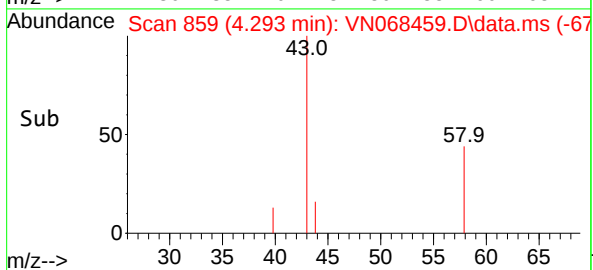
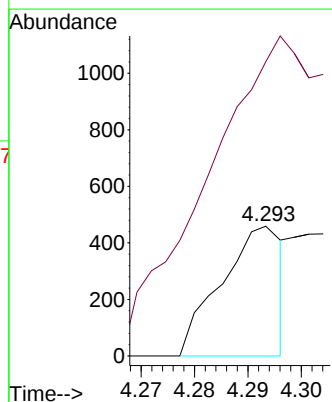
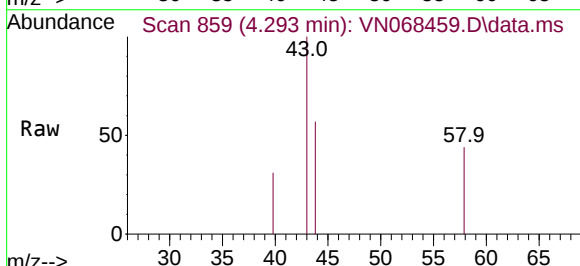
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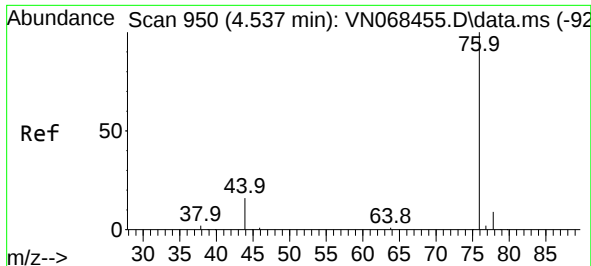
Tgt Ion: 58 Resp: 365

Ion Ratio Lower Upper

58 100

43 137.7 239.9 359.9#

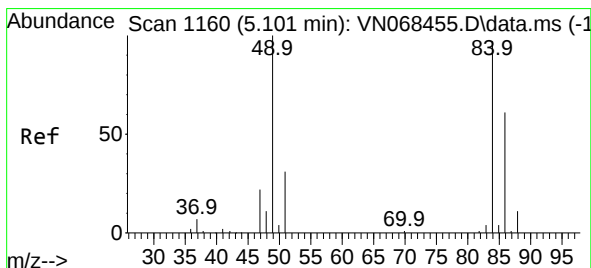
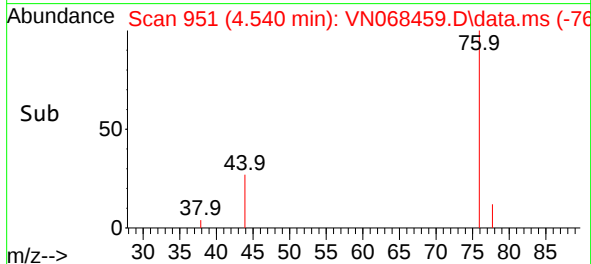
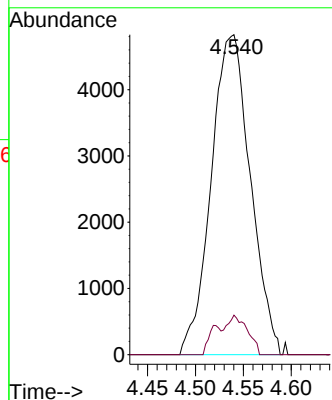
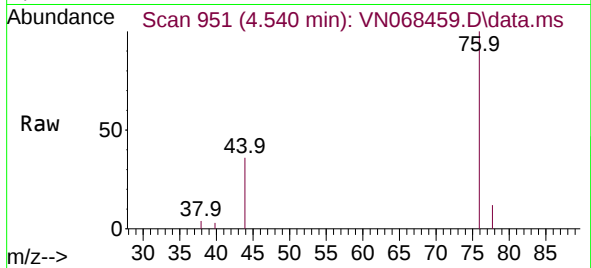




#16
Carbon Disulfide
Concen: 1.120 ug/l
RT: 4.540 min Scan# 91
Delta R.T. 0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

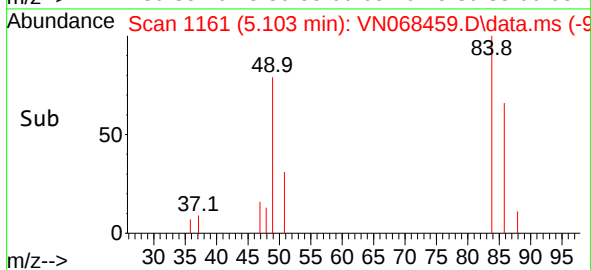
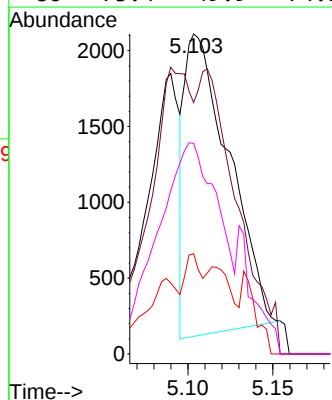
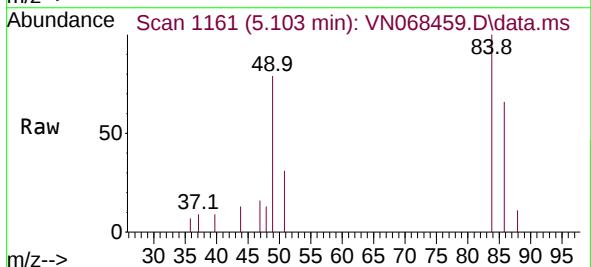
Instrument :
MSVOA_N
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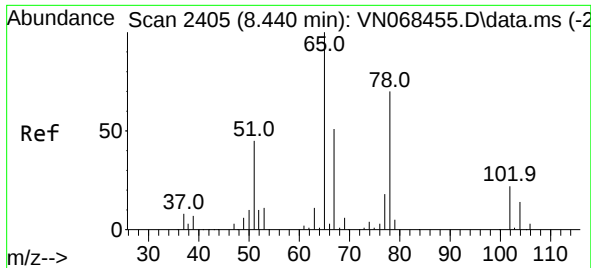
Tgt Ion: 76 Resp: 13749
Ion Ratio Lower Upper
76 100
78 12.3 6.9 10.3#



#18
Methylene Chloride
Concen: 0.633 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 84 Resp: 3602
Ion Ratio Lower Upper
84 100
49 87.6 82.4 123.6
51 35.0 25.9 38.9
86 73.4 49.9 74.9





#27

1,2-Dichloroethane-d4

Concen: 29.607 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN068459.D

Acq: 13 Sep 2021 15:45

Instrument :

MSVOA_N

ClientSampleId :

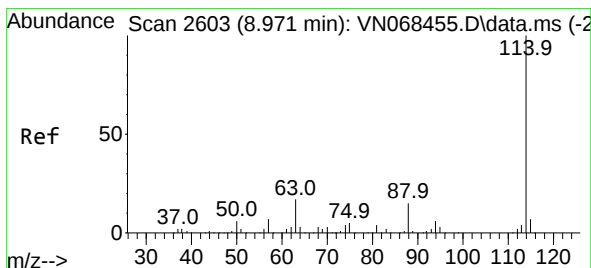
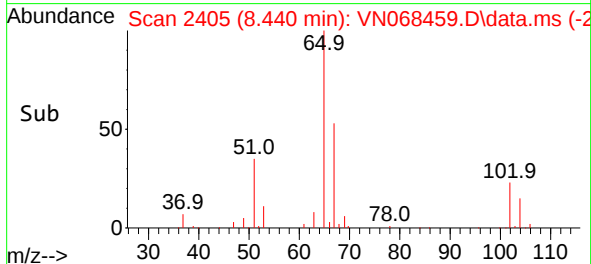
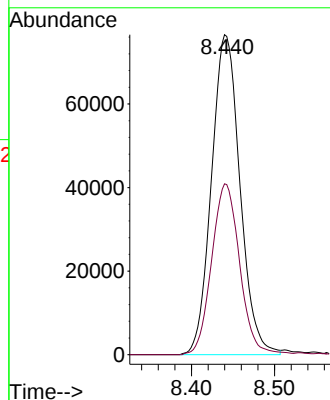
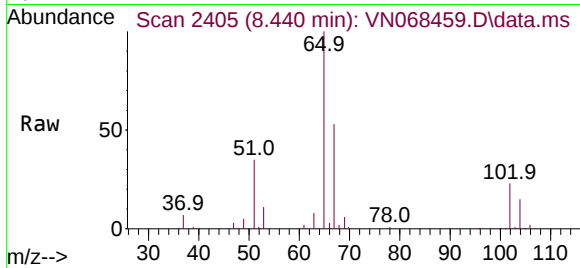
IBLK

Tgt Ion: 65 Resp: 182525

Ion Ratio Lower Upper

65 100

67 52.6 41.8 62.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.000 min

Lab File: VN068459.D

Acq: 13 Sep 2021 15:45

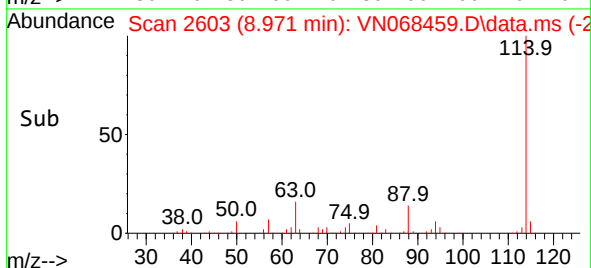
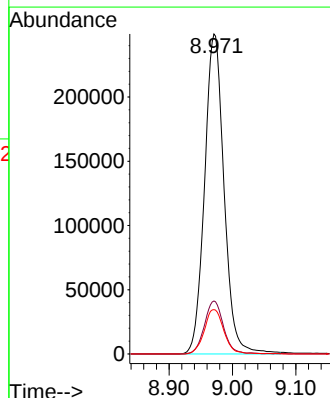
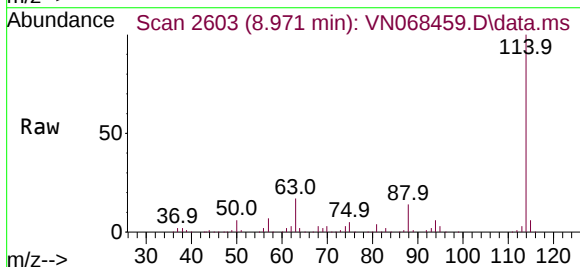
Tgt Ion: 114 Resp: 531907

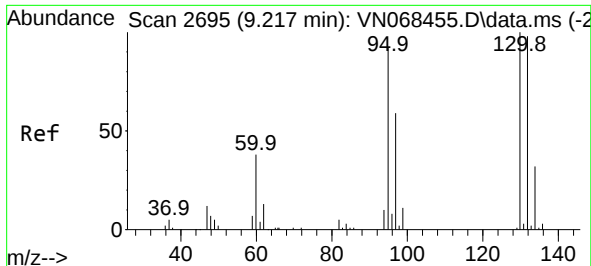
Ion Ratio Lower Upper

114 100

63 16.1 13.4 20.0

88 14.0 11.1 16.7

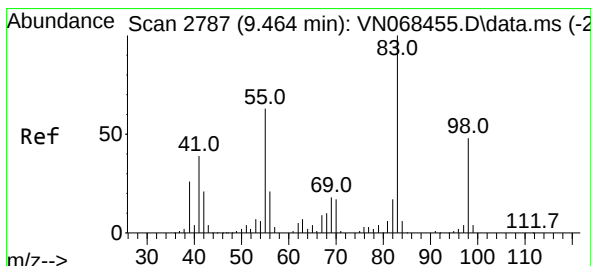
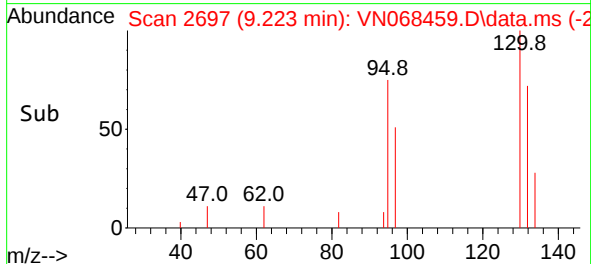
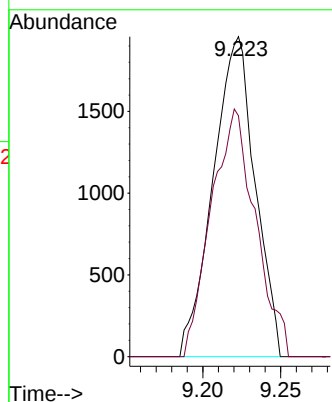
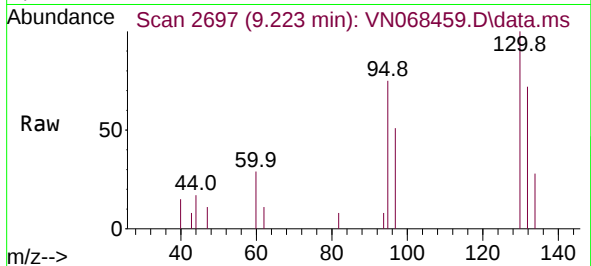




#37
Trichloroethene
Concen: 0.527 ug/l
RT: 9.223 min Scan# 20
Delta R.T. 0.005 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

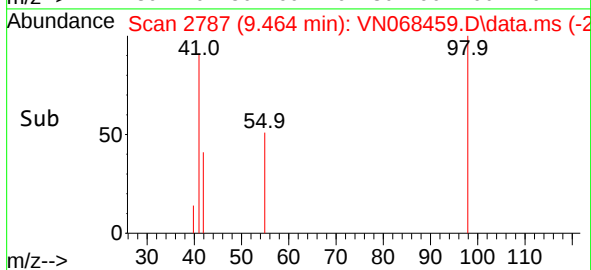
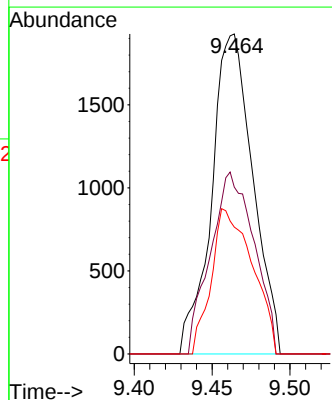
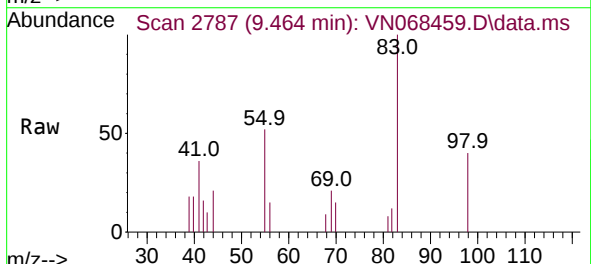
Instrument :
MSVOA_N
ClientSampleId :
IBLK

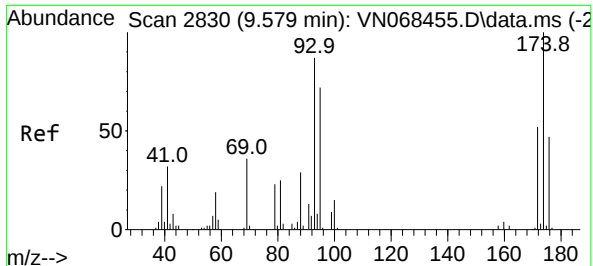
Tgt Ion:130 Resp: 3668
Ion Ratio Lower Upper
130 100
95 75.3 73.4 110.0



#38
Methylcyclohexane
Concen: 0.388 ug/l
RT: 9.464 min Scan# 2787
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 83 Resp: 3555
Ion Ratio Lower Upper
83 100
55 60.1 32.1 96.3
98 45.2 24.0 72.0

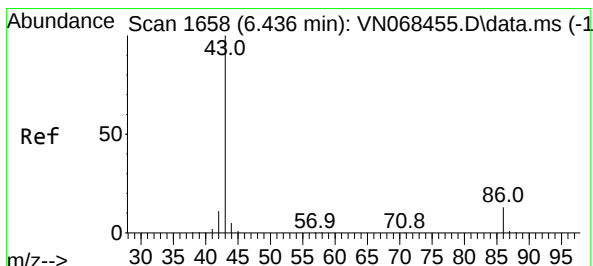
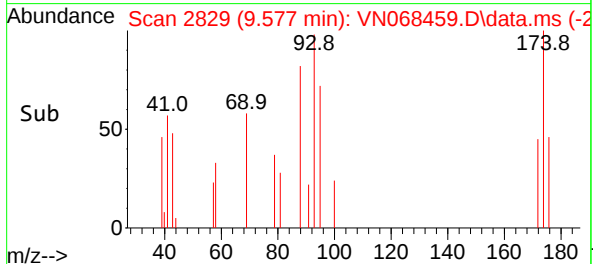
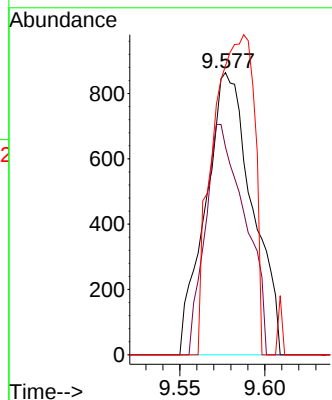
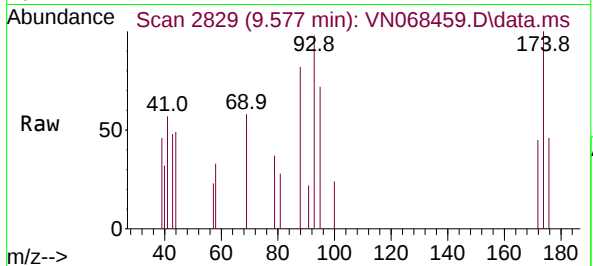




#40
Dibromomethane
Concen: 0.392 ug/l
RT: 9.577 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

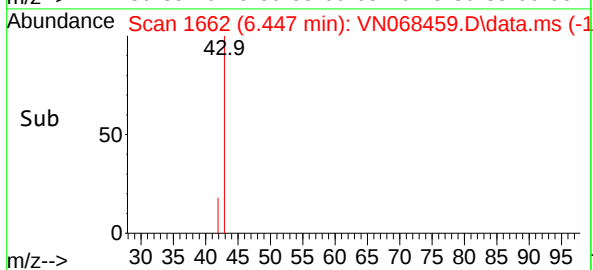
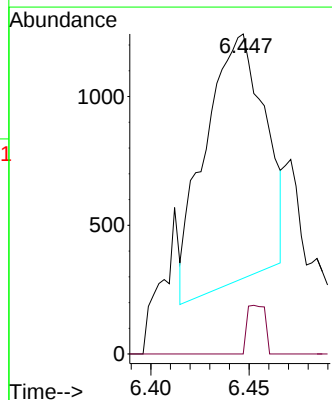
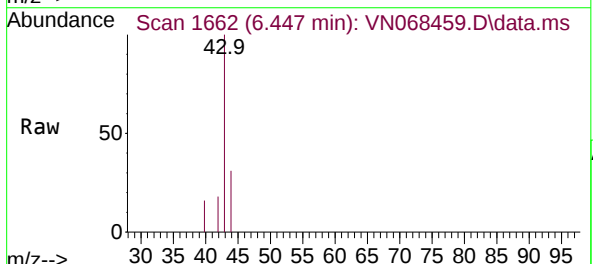
Instrument :
MSVOA_N
ClientSampleId :
IBLK

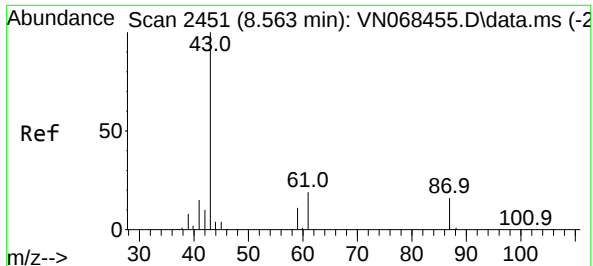
Tgt Ion: 93 Resp: 1649
Ion Ratio Lower Upper
93 100
95 69.4 0.0 165.2
174 100.2 0.0 231.8



#42
Vinyl Acetate
Concen: 0.201 ug/l
RT: 6.447 min Scan# 1662
Delta R.T. 0.011 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 43 Resp: 2019
Ion Ratio Lower Upper
43 100
86 4.5 9.0 13.6#

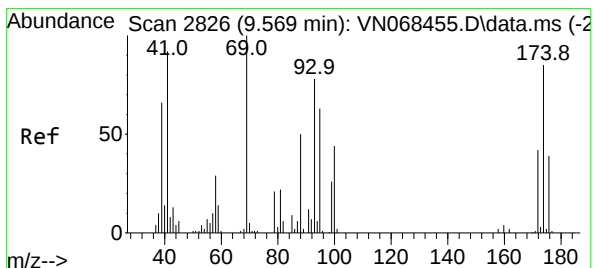
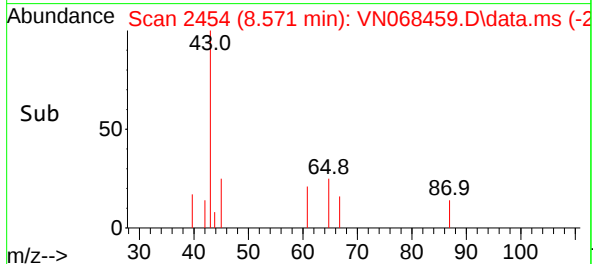
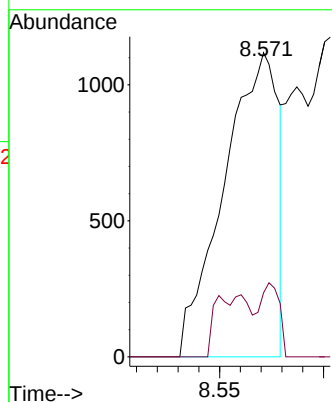
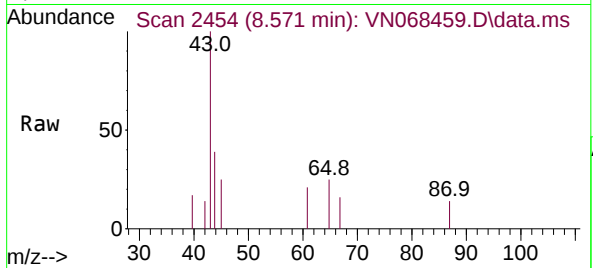




#44
Isopropyl Acetate
Concen: 0.206 ug/l
RT: 8.571 min Scan# 2451
Delta R.T. 0.008 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

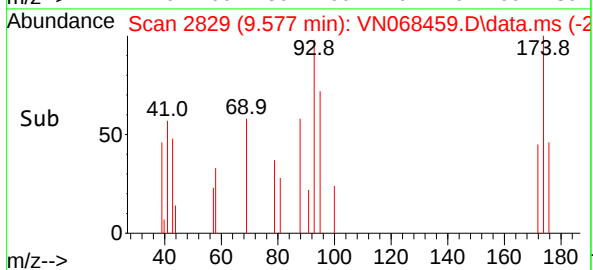
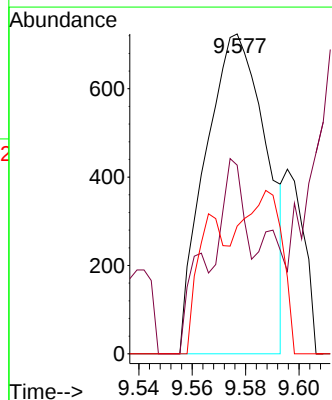
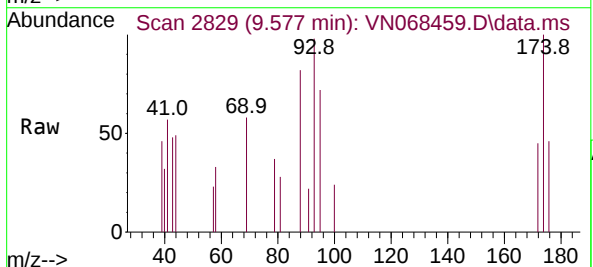
Instrument :
MSVOA_N
ClientSampleId :
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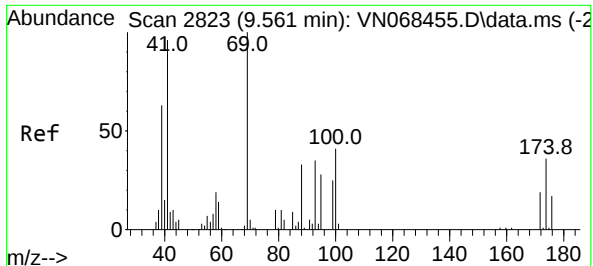
Tgt Ion: 43 Resp: 2025
Ion Ratio Lower Upper
43 100
61 8.9 22.7 34.1#



#45
1,4-Dioxane
Concen: 11.617 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.008 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 88 Resp: 1154
Ion Ratio Lower Upper
88 100
43 11.4 21.0 31.4#
58 0.0 47.0 70.6#

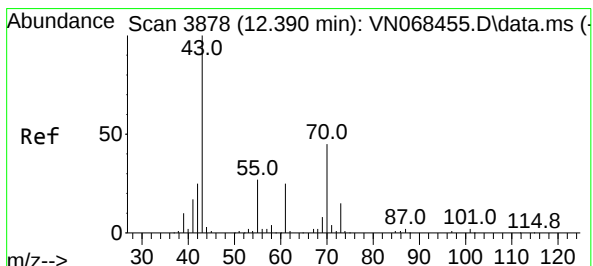
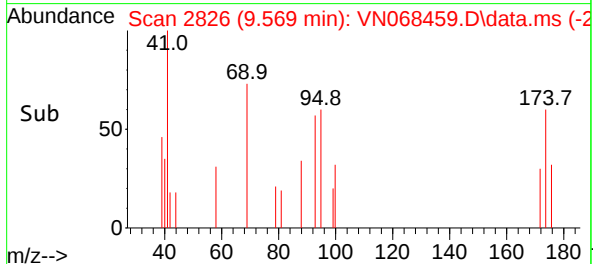
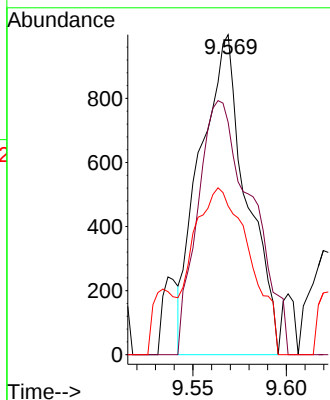
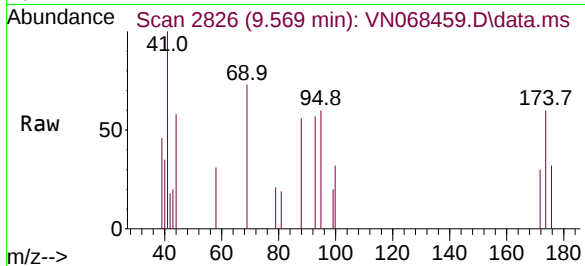




#46
Methyl methacrylate
Concen: 0.436 ug/l
RT: 9.569 min Scan# 21
Delta R.T. 0.008 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

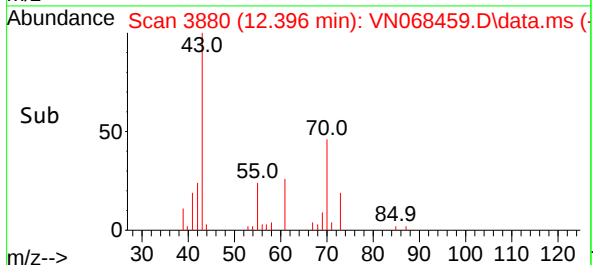
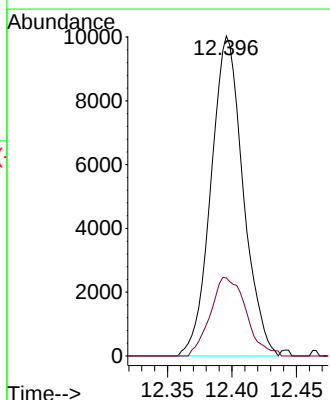
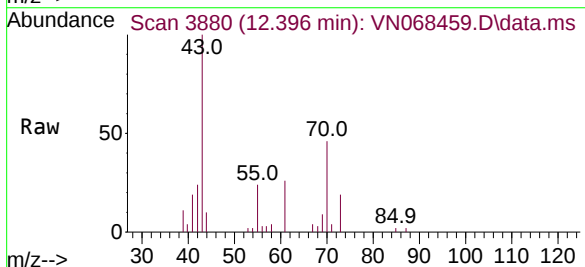
Instrument :
MSVOA_N
ClientSampleId :
IBLK

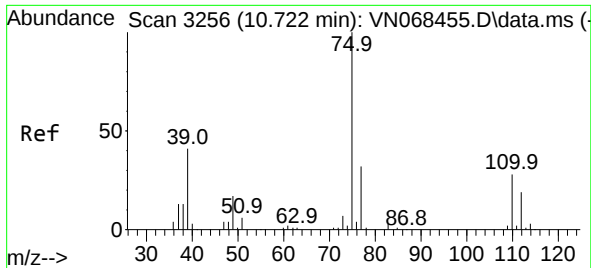
Tgt Ion: 41 Resp: 1733
Ion Ratio Lower Upper
41 100
69 72.7 51.4 154.3
39 46.4 33.1 99.2



#47
n-amy1 Acetate
Concen: 2.519 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.005 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 43 Resp: 17375
Ion Ratio Lower Upper
43 100
55 27.2 21.7 32.5

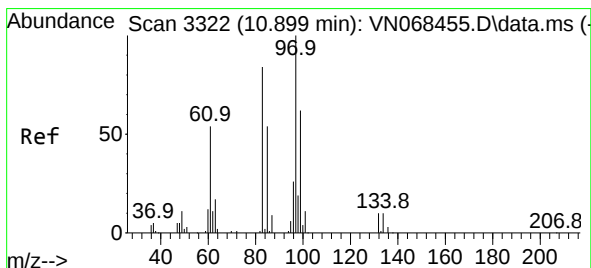
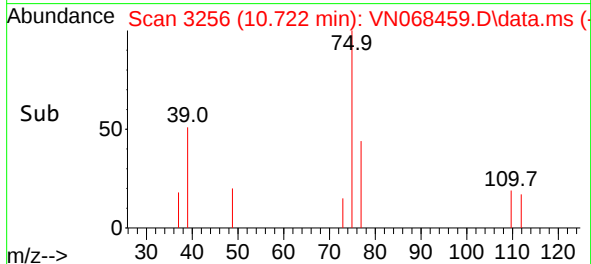
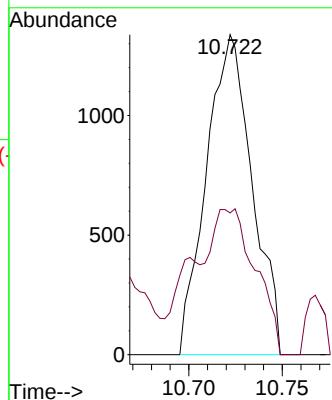
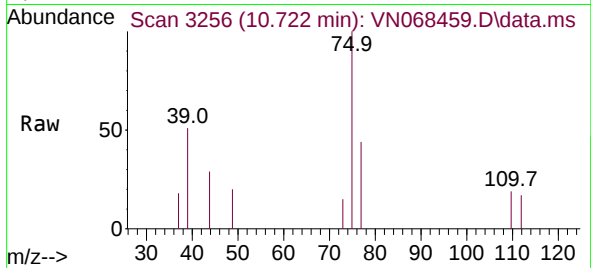




#48
t-1,3-Dichloropropene
Concen: 0.277 ug/l
RT: 10.722 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

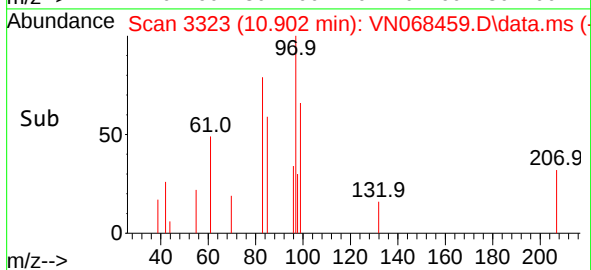
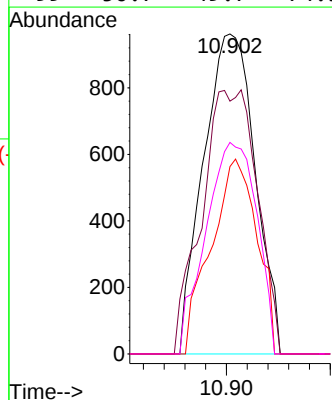
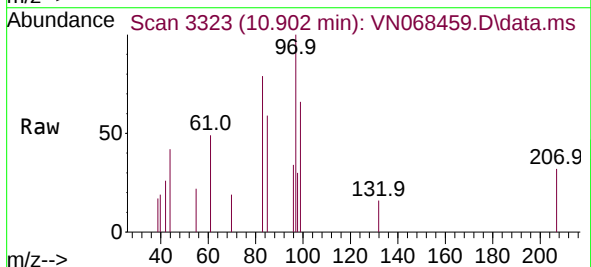
Instrument :
MSVOA_N
ClientSampleId :
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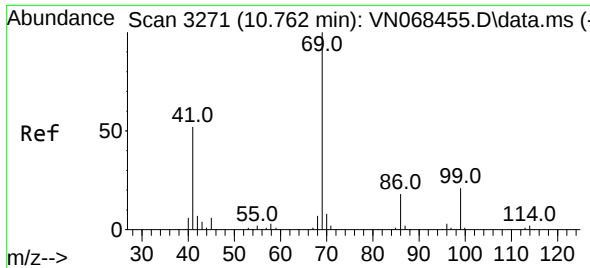
Tgt Ion: 75 Resp: 2277
Ion Ratio Lower Upper
75 100
77 44.3 26.0 39.0#



#50
1,1,2-Trichloroethane
Concen: 0.274 ug/l
RT: 10.902 min Scan# 3323
Delta R.T. 0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 97 Resp: 1662
Ion Ratio Lower Upper
97 100
83 60.6 66.8 100.2#
85 44.9 43.5 65.3
99 50.7 49.7 74.5

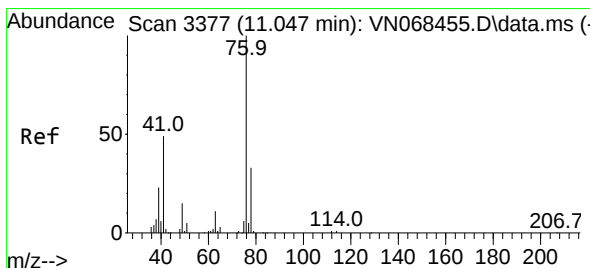
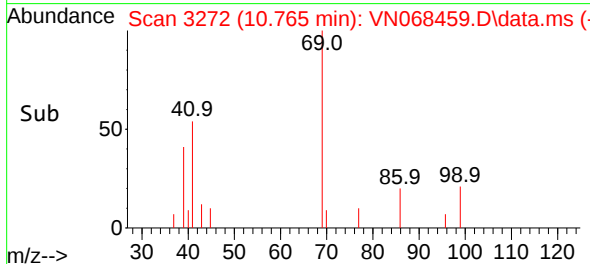
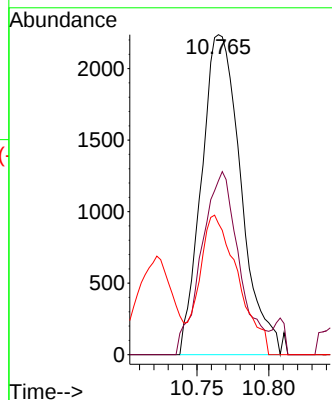
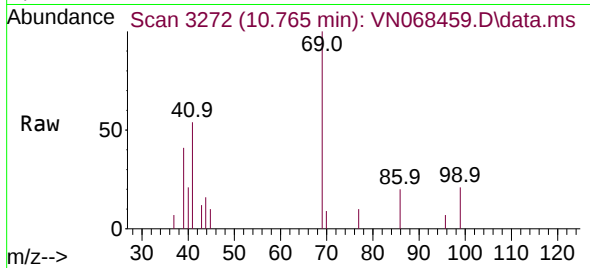




#51
Ethyl methacrylate
Concen: 0.546 ug/l
RT: 10.765 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

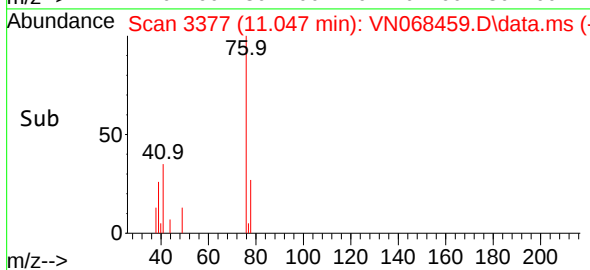
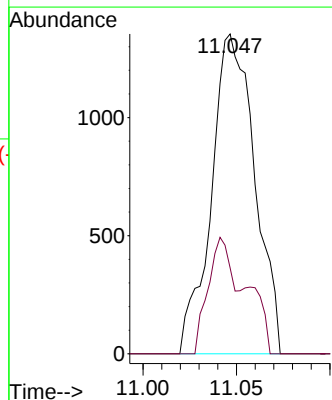
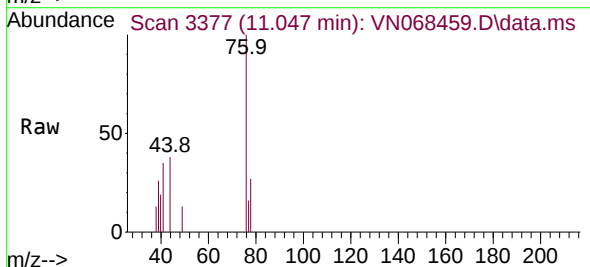
Instrument :
MSVOA_N
ClientSampleId :
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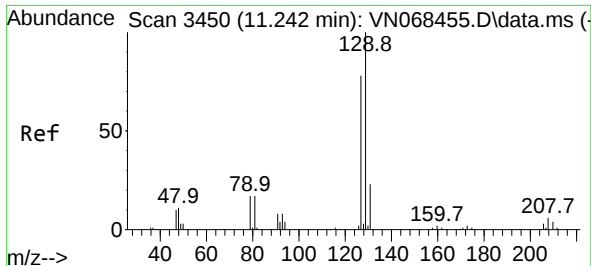
Tgt Ion: 69 Resp: 4260
Ion Ratio Lower Upper
69 100
41 47.7 26.1 78.3
39 30.3 18.0 54.0



#52
1,3-Dichloropropane
Concen: 0.242 ug/l
RT: 11.047 min Scan# 3377
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 76 Resp: 2186
Ion Ratio Lower Upper
76 100
78 19.9 0.0 66.4

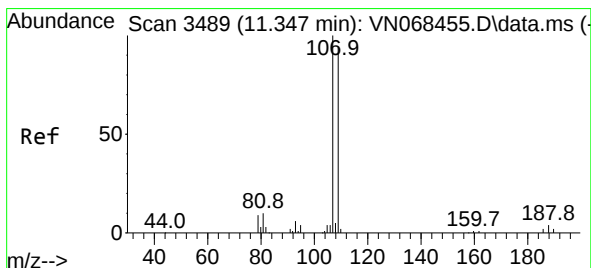
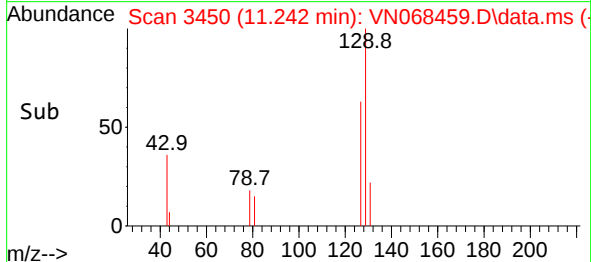
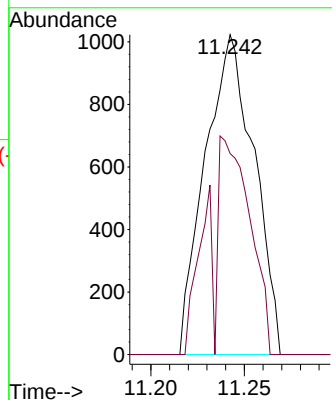
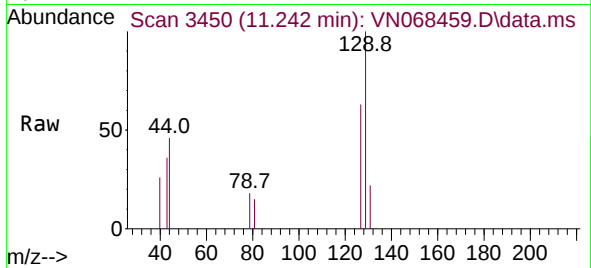




#53
Dibromochloromethane
Concen: 0.249 ug/l
RT: 11.242 min Scan# 3450
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

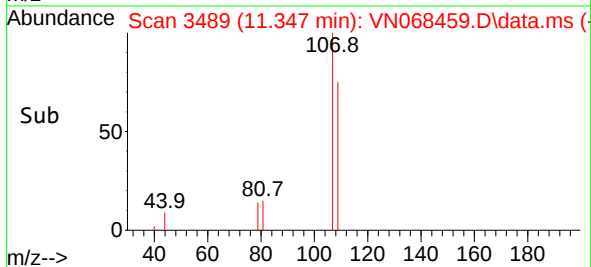
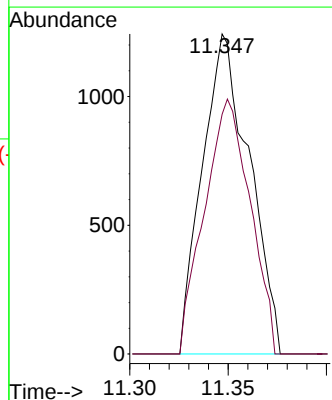
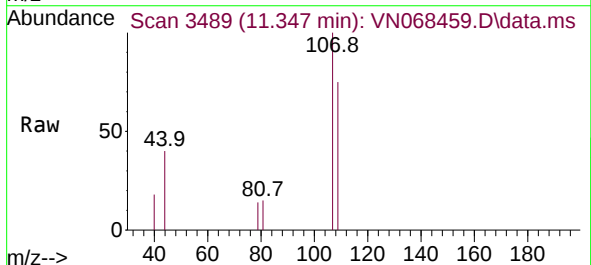
Instrument :
MSVOA_N
ClientSampleId :
IBLK

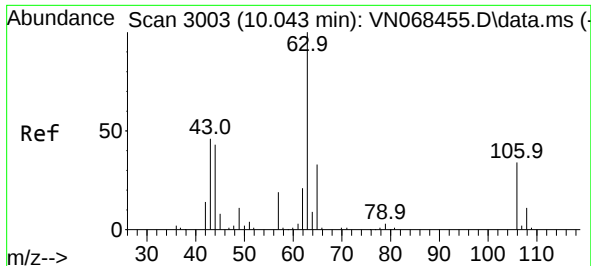
Tgt Ion:129 Resp: 1862
Ion Ratio Lower Upper
129 100
127 43.6 38.5 115.5



#54
1,2-Dibromoethane
Concen: 0.316 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion:107 Resp: 2059
Ion Ratio Lower Upper
107 100
109 77.7 77.0 115.4

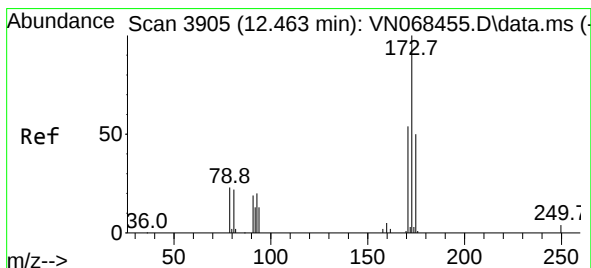
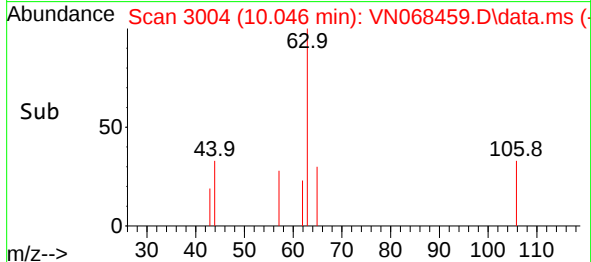
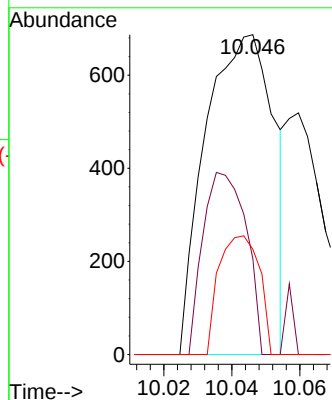
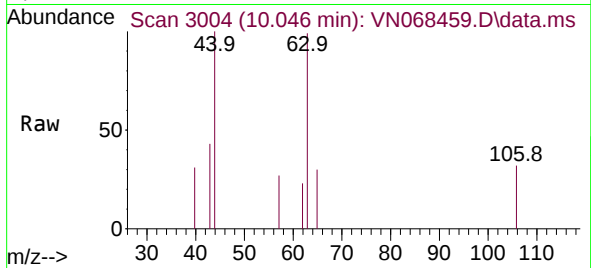




#55
2-Chloroethyl vinyl ether
Concen: 0.723 ug/l
RT: 10.046 min Scan# 3003
Delta R.T. 0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

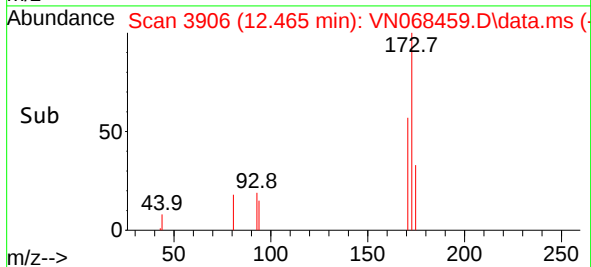
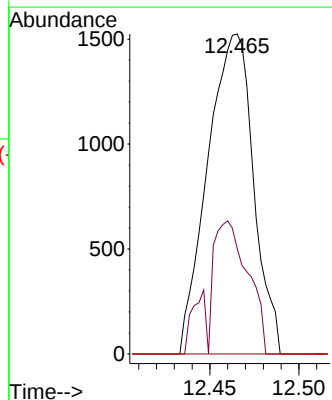
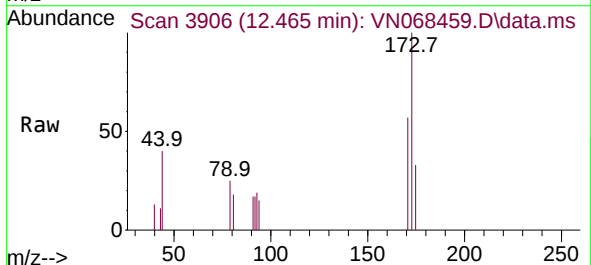
Instrument :
MSVOA_N
ClientSampleId :
IBLK

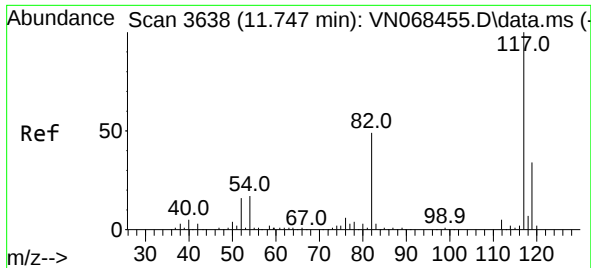
Tgt Ion: 63 Resp: 955
Ion Ratio Lower Upper
63 100
65 36.1 26.2 39.2
106 22.0 27.7 41.5#



#56
Bromoform
Concen: 0.456 ug/l
RT: 12.465 min Scan# 3906
Delta R.T. 0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 173 Resp: 2734
Ion Ratio Lower Upper
173 100
175 30.5 38.8 58.2#
254 0.0 0.0 0.0

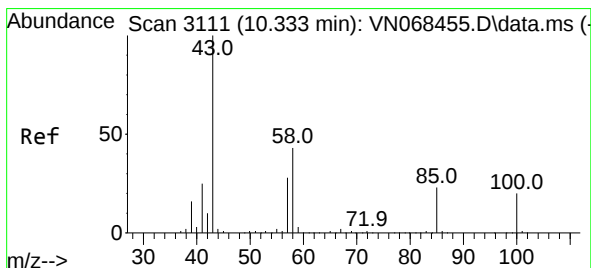
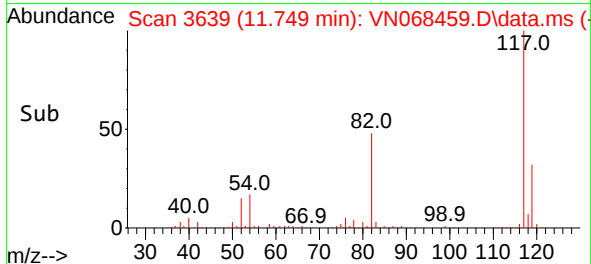
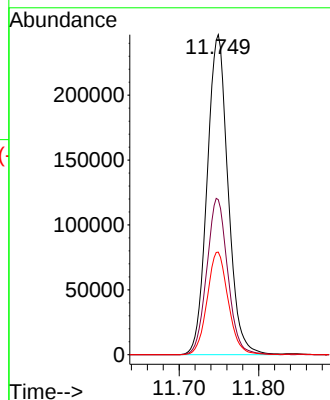
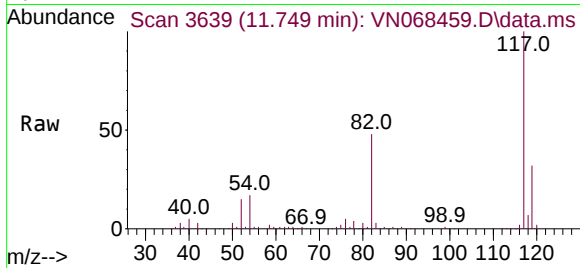




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

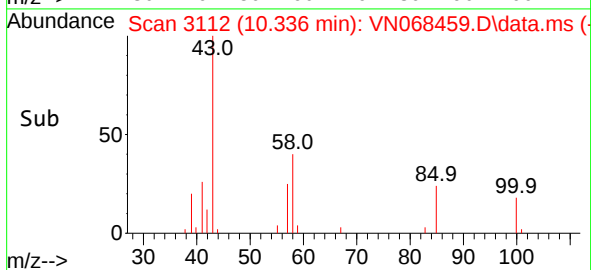
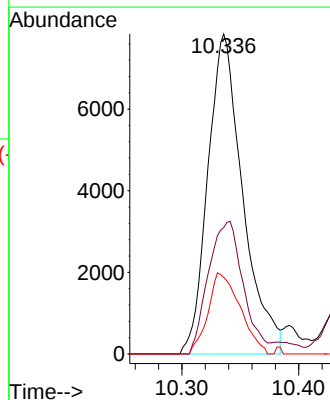
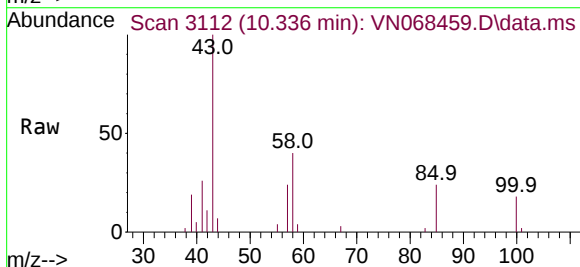
Instrument :
MSVOA_N
ClientSampleId :
IBLK

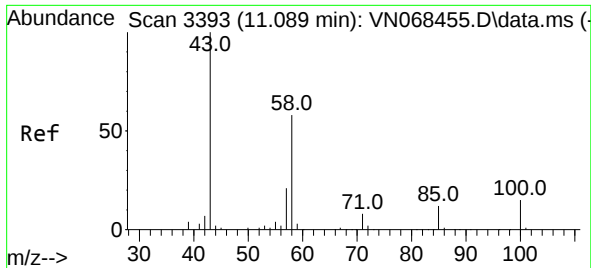
Tgt Ion: 117 Resp: 451933
Ion Ratio Lower Upper
117 100
82 49.0 39.4 59.0
119 32.3 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 3.065 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 43 Resp: 16305
Ion Ratio Lower Upper
43 100
58 41.3 33.3 49.9
85 23.3 18.6 27.8

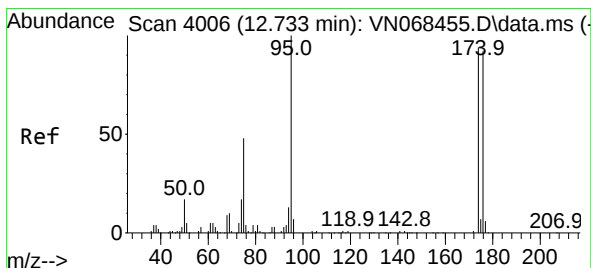
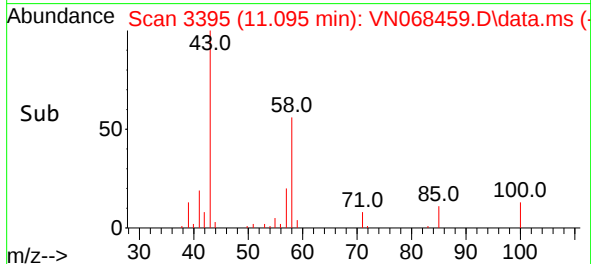
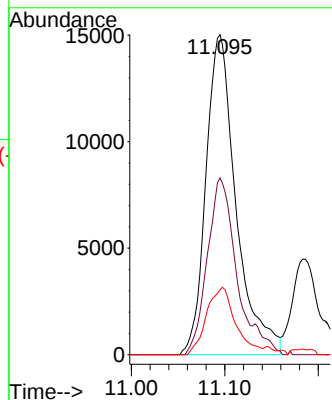
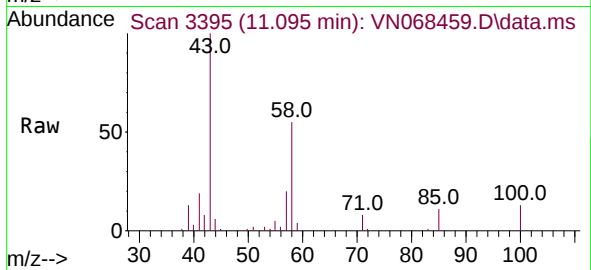




#59
2-Hexanone
Concen: 9.136 ug/l
RT: 11.095 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

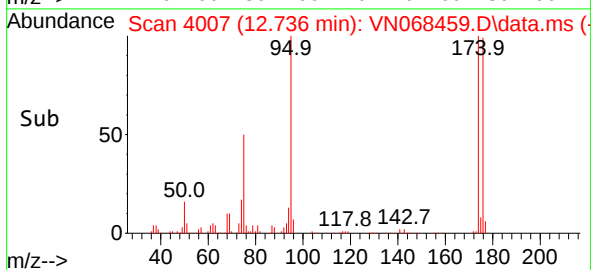
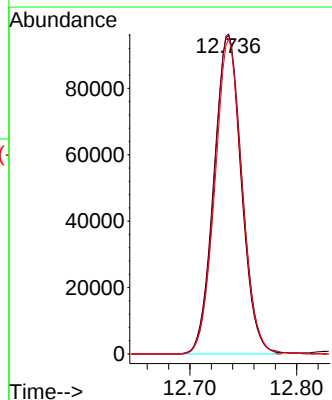
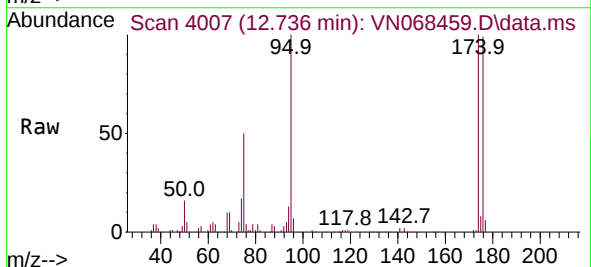
Instrument :
MSVOA_N
ClientSampleId :
IBLK

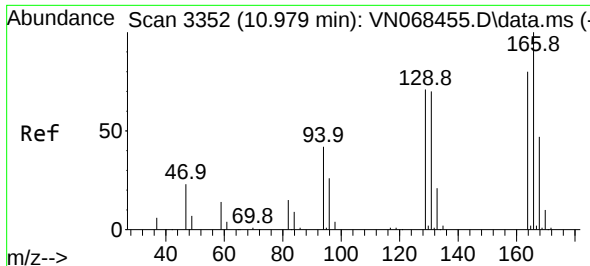
Tgt Ion: 43 Resp: 33685
Ion Ratio Lower Upper
43 100
58 50.4 46.4 69.6
57 20.3 16.6 25.0



#60
4-Bromofluorobenzene
Concen: 26.676 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 95 Resp: 171837
Ion Ratio Lower Upper
95 100
174 100.9 78.0 117.0
176 97.0 76.4 114.6

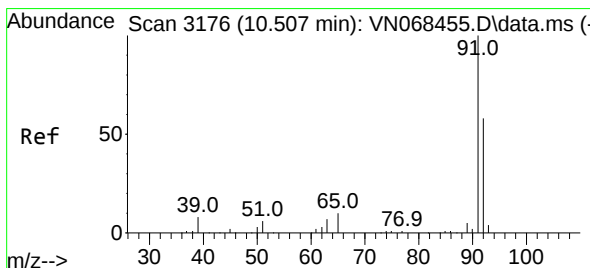
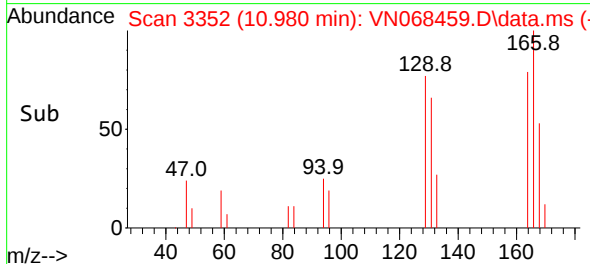
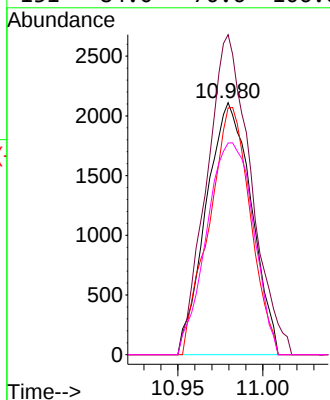
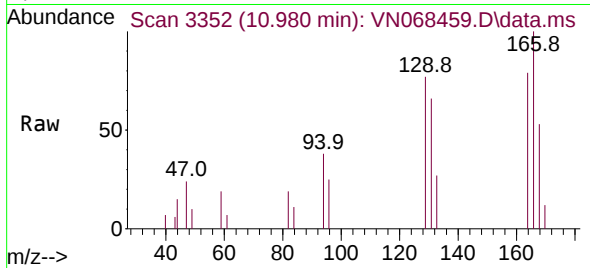




#61
Tetrachloroethene
Concen: 0.601 ug/l
RT: 10.980 min Scan# 3175
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

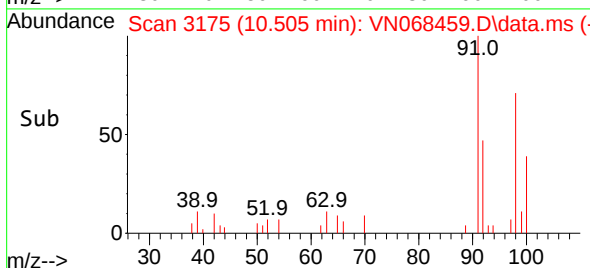
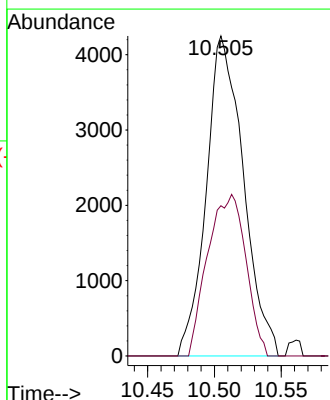
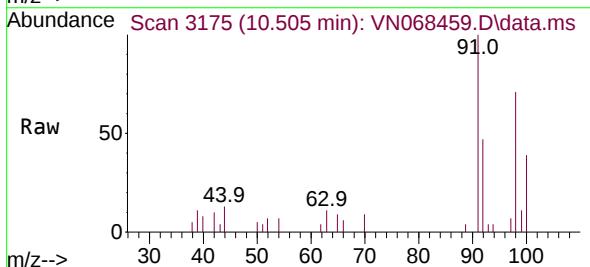
Instrument :
MSVOA_N
ClientSampleId :
IBLK

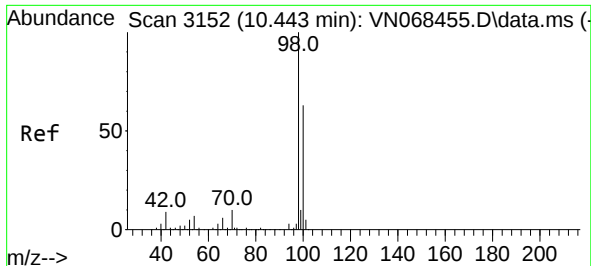
Tgt Ion:164 Resp: 3907
Ion Ratio Lower Upper
164 100
166 127.0 100.4 150.6
129 97.9 71.4 107.0
131 84.0 70.6 106.0



#62
Toluene
Concen: 0.345 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 91 Resp: 8202
Ion Ratio Lower Upper
91 100
92 25.5 45.8 68.6#

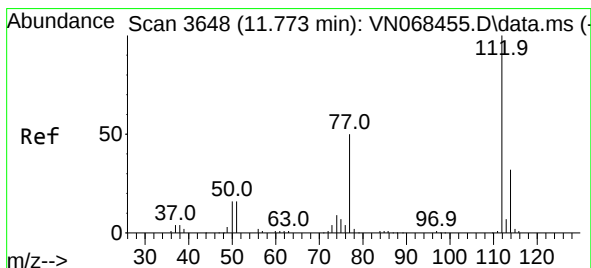
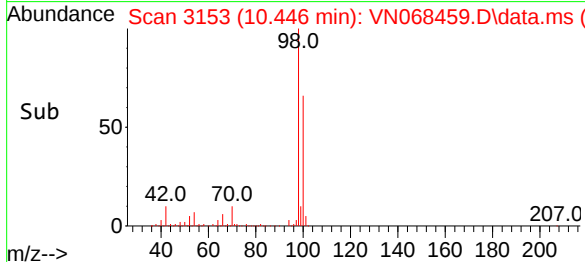
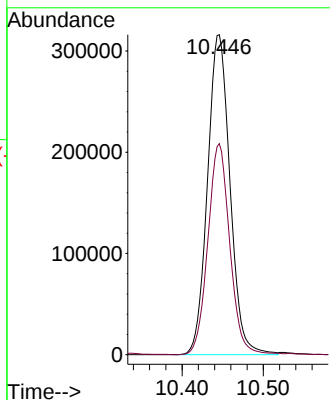
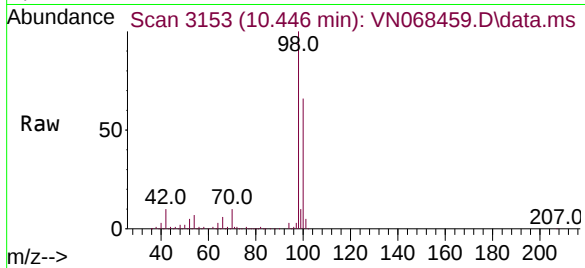




#63
Toluene-d8
Concen: 30.949 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

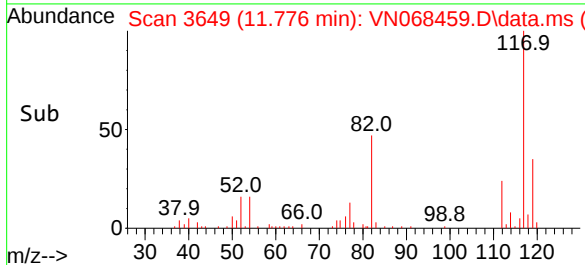
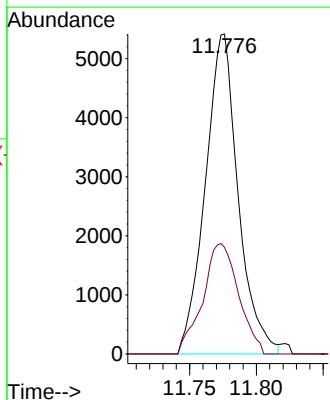
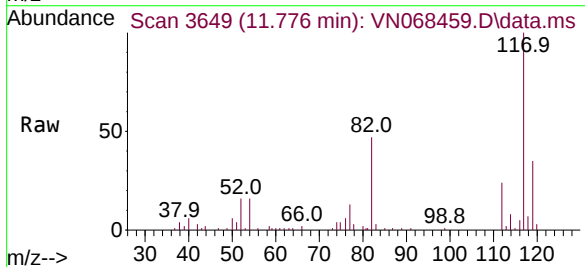
Instrument :
MSVOA_N
ClientSampleId :
IBLK

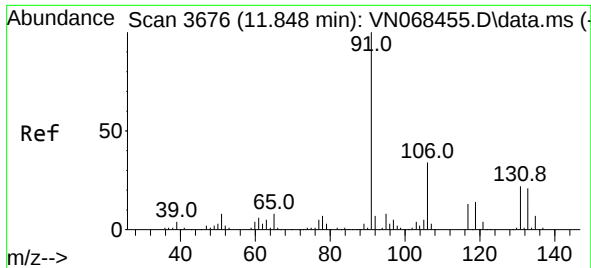
Tgt Ion: 98 Resp: 608468
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#64
Chlorobenzene
Concen: 0.591 ug/l
RT: 11.776 min Scan# 3649
Delta R.T. 0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 112 Resp: 9276
Ion Ratio Lower Upper
112 100
114 33.3 25.8 38.6

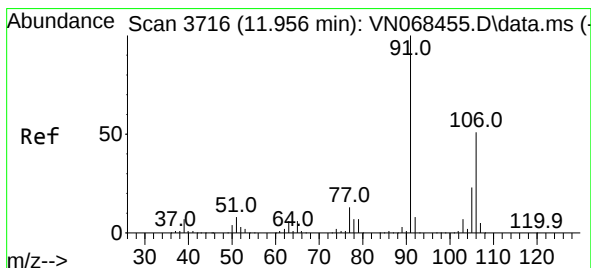
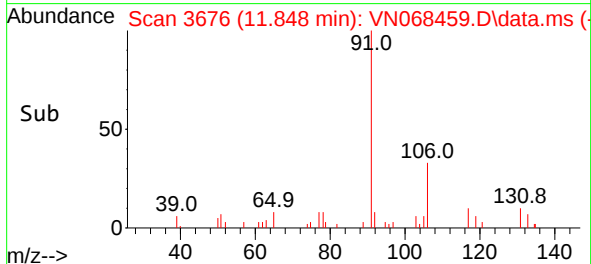
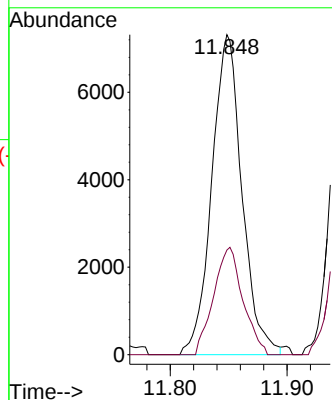
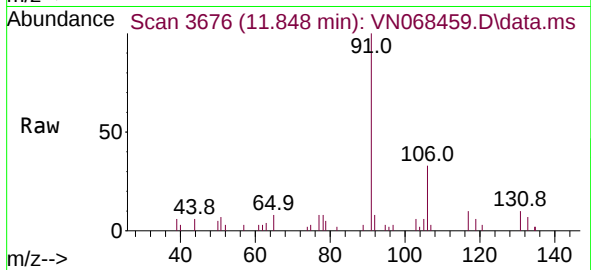




#66
Ethyl Benzene
Concen: 0.508 ug/l
RT: 11.848 min Scan# 3676
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

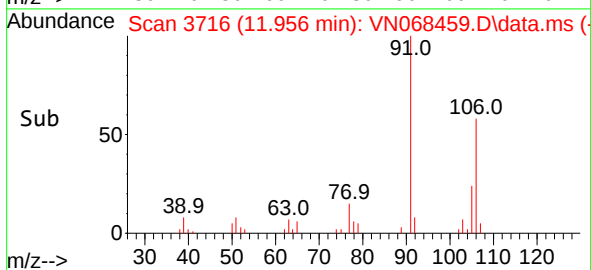
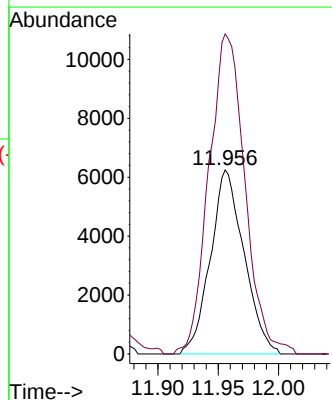
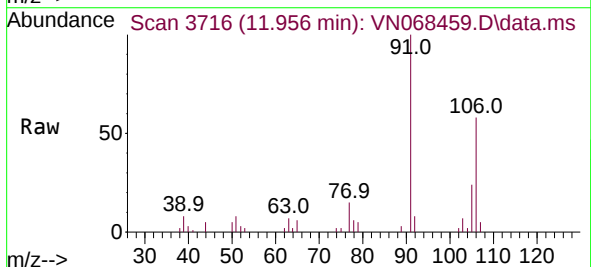
Instrument :
MSVOA_N
ClientSampleId :
IBLK

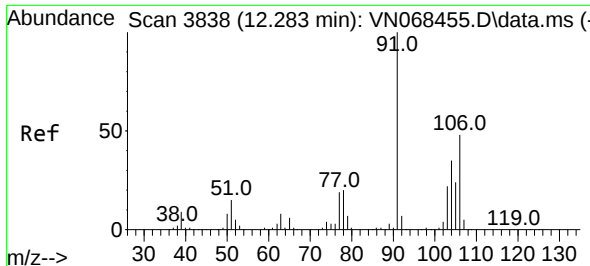
Tgt Ion: 91 Resp: 13124
Ion Ratio Lower Upper
91 100
106 32.7 27.2 40.8



#67
m/p-Xylenes
Concen: 1.140 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 106 Resp: 12143
Ion Ratio Lower Upper
106 100
91 186.1 152.7 229.1

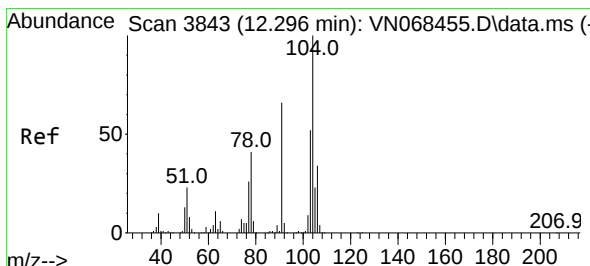
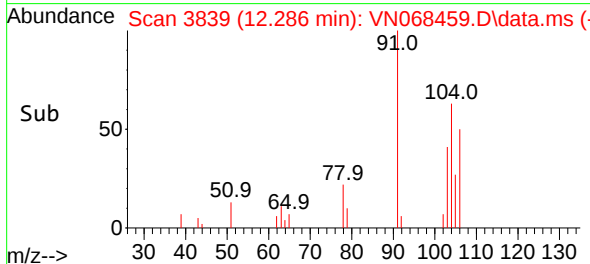
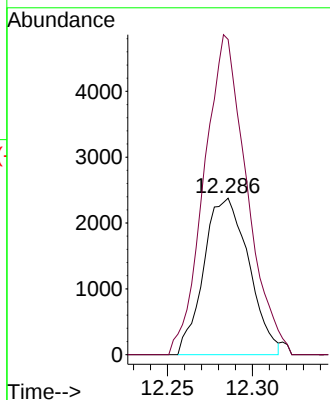
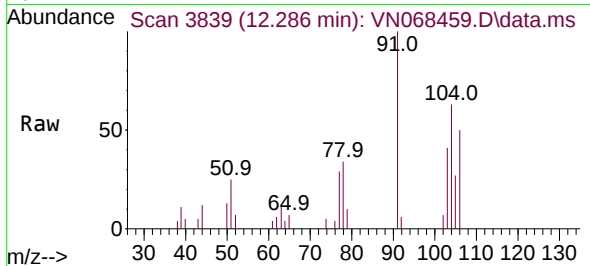




#68
o-Xylene
Concen: 0.416 ug/l
RT: 12.286 min Scan# 3839
Delta R.T. 0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

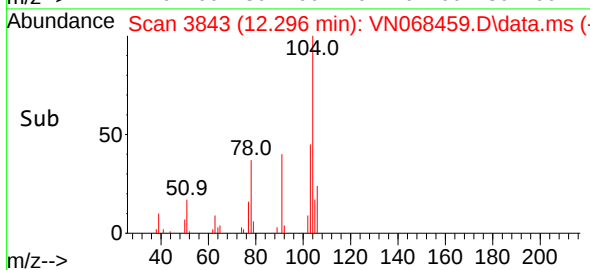
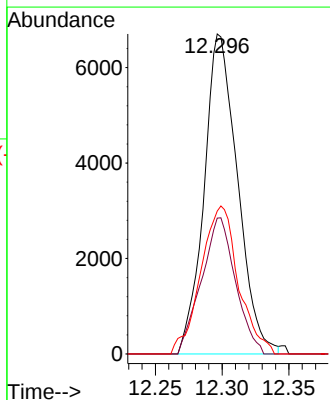
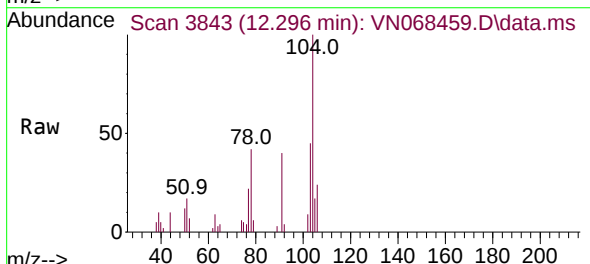
Instrument :
MSVOA_N
ClientSampleId :
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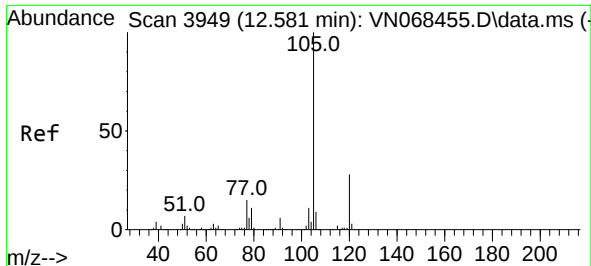
Tgt Ion:106 Resp: 4379
Ion Ratio Lower Upper
106 100
91 193.8 101.5 304.5



#69
Styrene
Concen: 0.701 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion:104 Resp: 11696
Ion Ratio Lower Upper
104 100
78 43.2 36.5 54.7
103 51.8 43.5 65.3

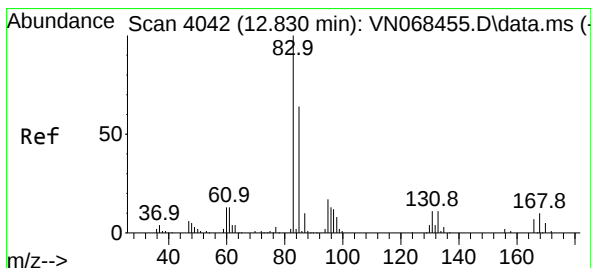
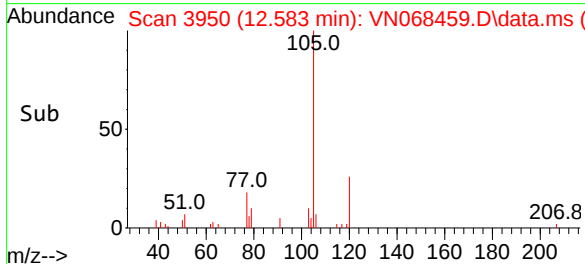
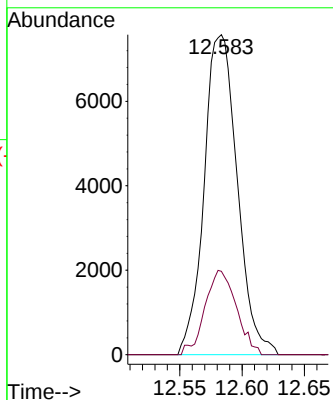
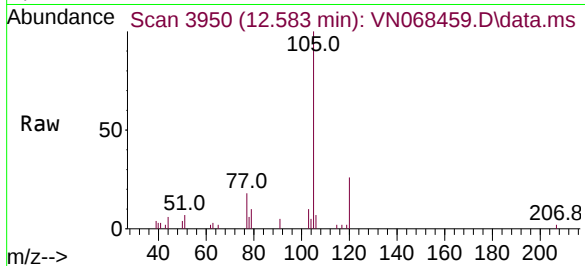




#70
Isopropylbenzene
Concen: 0.525 ug/l
RT: 12.583 min Scan# 3949
Delta R.T. 0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

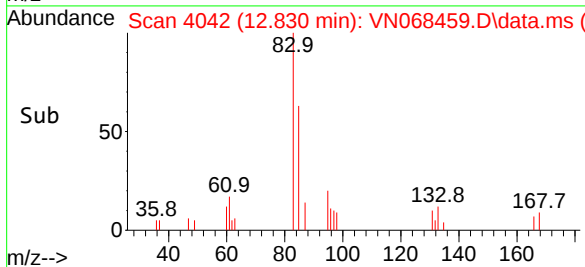
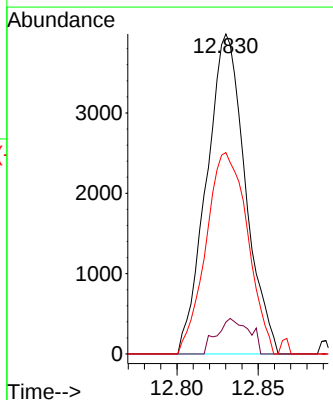
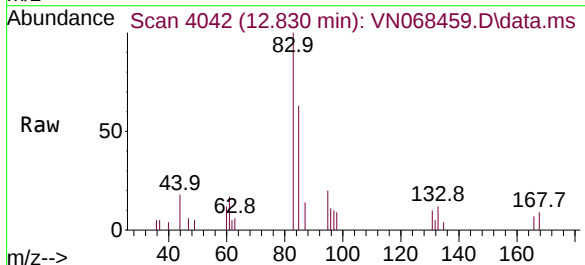
Instrument :
MSVOA_N
ClientSampleId :
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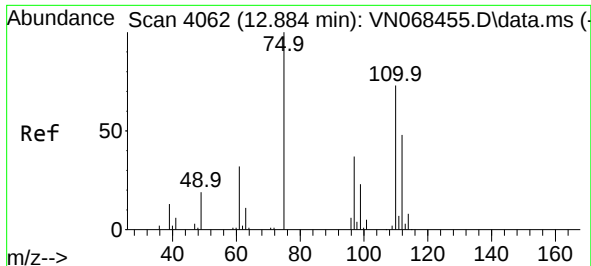
Tgt Ion:105 Resp: 14028
Ion Ratio Lower Upper
105 100
120 21.7 19.7 36.5



#71
1,1,2,2-Tetrachloroethane
Concen: 0.908 ug/l
RT: 12.830 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 83 Resp: 6605
Ion Ratio Lower Upper
83 100
131 7.3 5.9 17.7
85 67.5 31.9 95.9

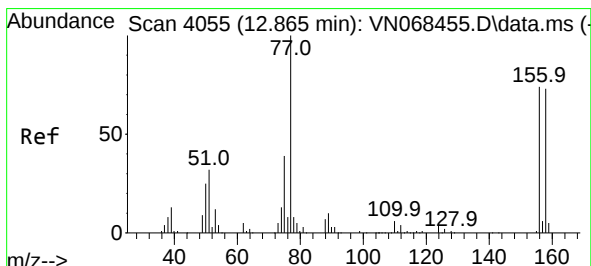
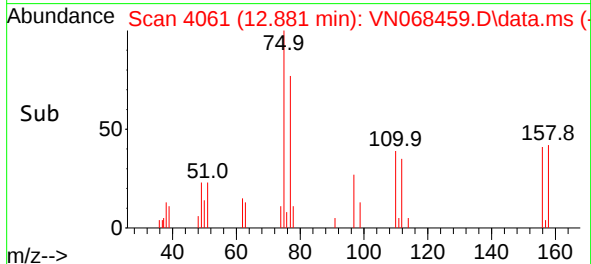
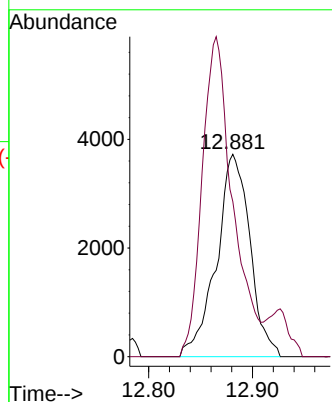
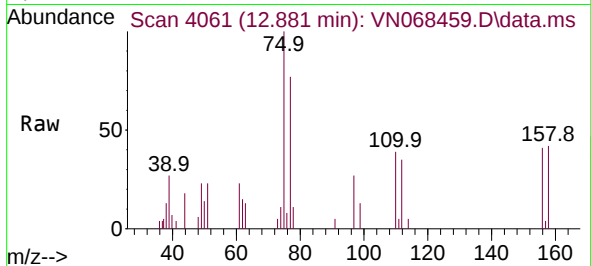




#72
1,2,3-Trichloropropane
Concen: 1.379 ug/l
RT: 12.881 min Scan# 4061
Delta R.T. -0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

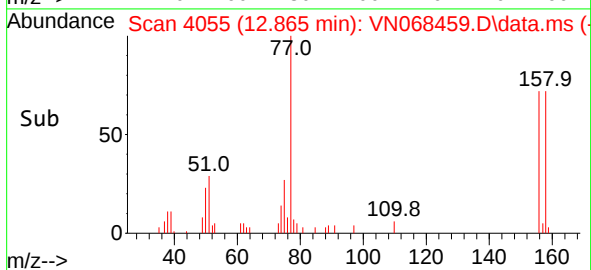
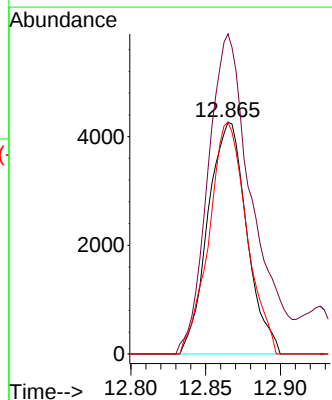
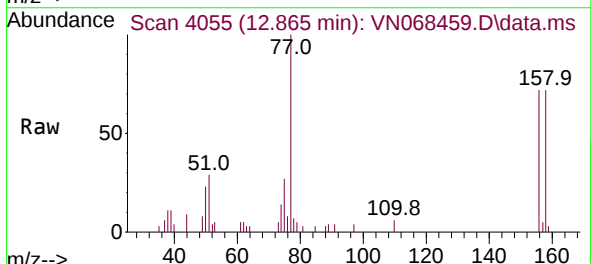
Instrument :
MSVOA_N
ClientSampleId :
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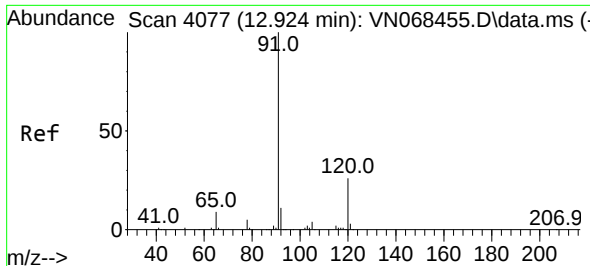
Tgt Ion: 75 Resp: 8346
Ion Ratio Lower Upper
75 100
77 143.9 0.0 357.6



#73
Bromobenzene
Concen: 1.014 ug/l
RT: 12.865 min Scan# 4055
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 156 Resp: 7689
Ion Ratio Lower Upper
156 100
77 156.2 0.0 318.8
158 97.2 0.0 196.2

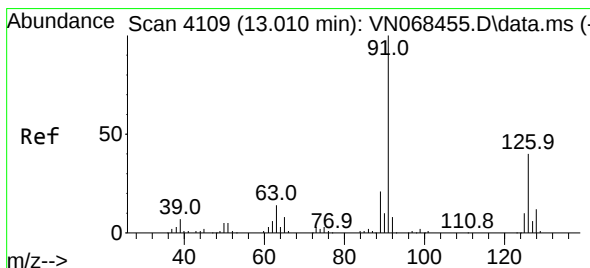
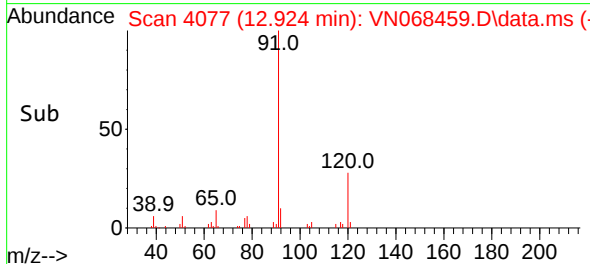
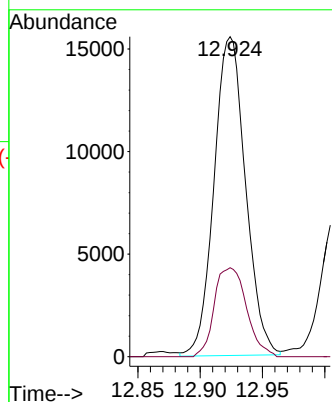
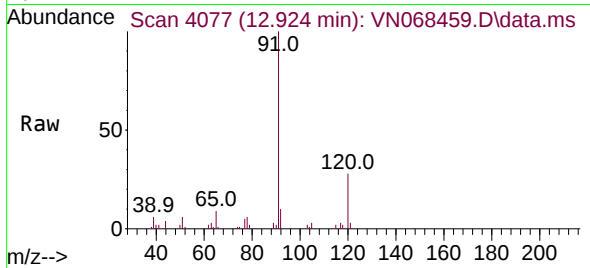




#74
n-propylbenzene
Concen: 0.948 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

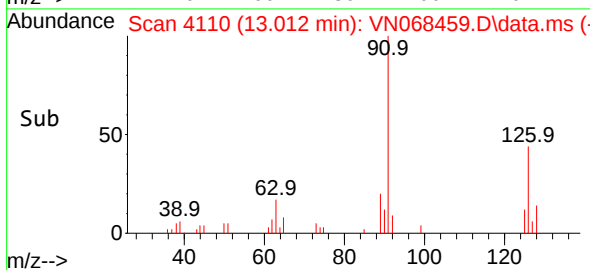
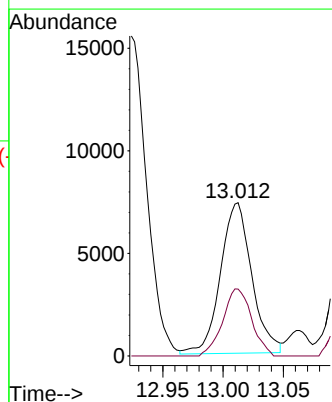
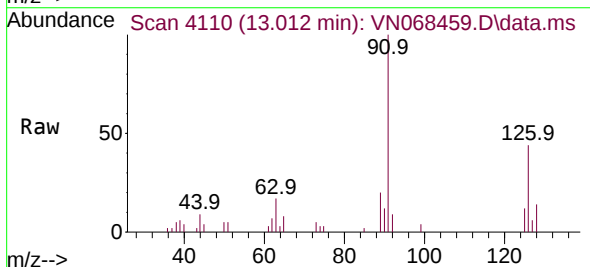
Instrument :
MSVOA_N
ClientSampleId :
IBLK

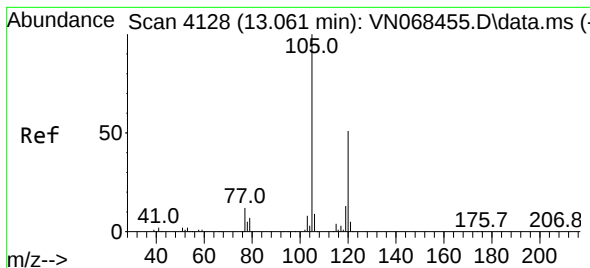
Tgt Ion: 91 Resp: 27305
Ion Ratio Lower Upper
91 100
120 28.5 0.0 51.6



#75
2-Chlorotoluene
Concen: 0.764 ug/l
RT: 13.012 min Scan# 4110
Delta R.T. 0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 91 Resp: 13251
Ion Ratio Lower Upper
91 100
126 41.1 0.0 77.2





#76

1,3,5-Trimethylbenzene

Concen: 0.677 ug/l

RT: 13.063 min Scan# 41

Delta R.T. 0.003 min

Lab File: VN068459.D

Acq: 13 Sep 2021 15:45

Instrument :

MSVOA_N

ClientSampleId :

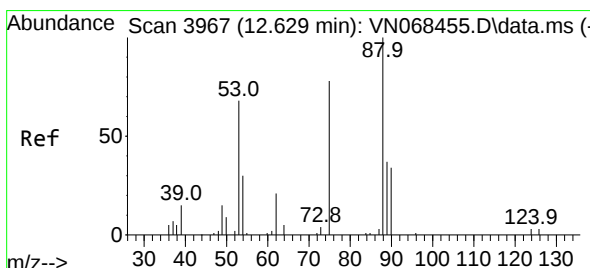
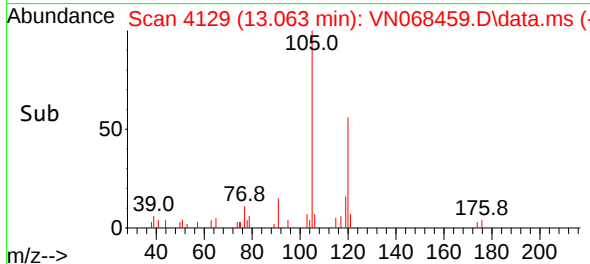
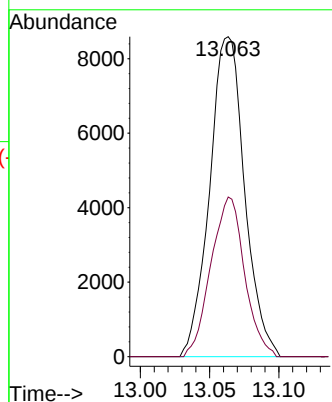
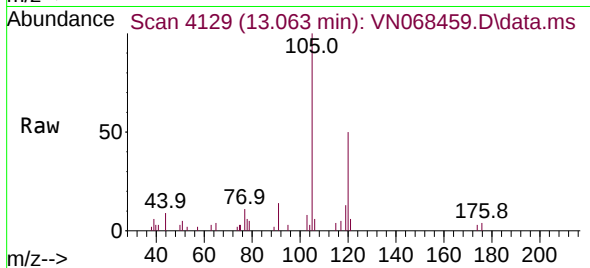
IBLK

Tgt Ion:105 Resp: 15099

Ion Ratio Lower Upper

105 100

120 48.0 0.0 103.4



#77

t-1,4-Dichloro-2-butene

Concen: 0.235 ug/l

RT: 12.626 min Scan# 3966

Delta R.T. -0.003 min

Lab File: VN068459.D

Acq: 13 Sep 2021 15:45

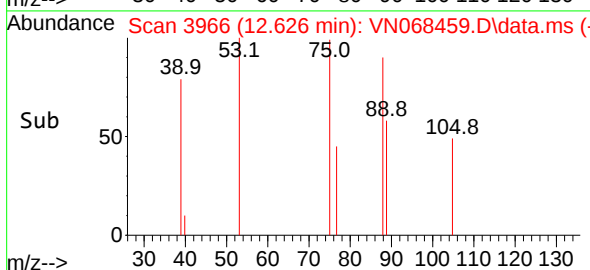
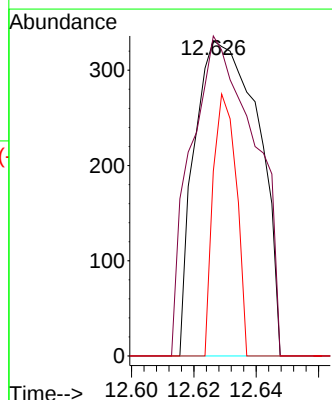
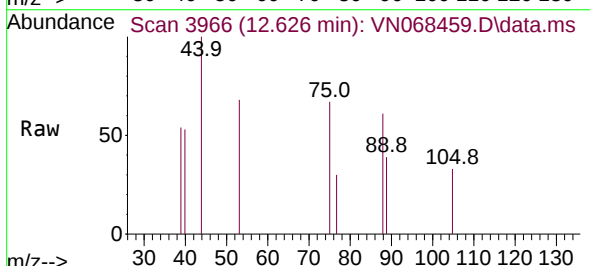
Tgt Ion: 75 Resp: 469

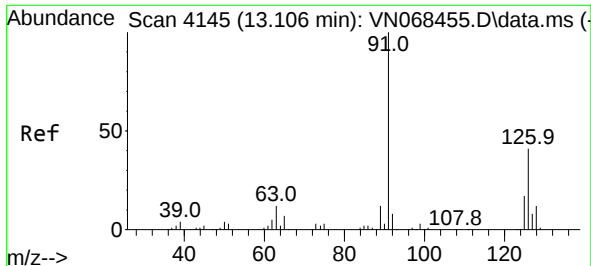
Ion Ratio Lower Upper

75 100

53 101.5 43.8 131.4

89 58.6 26.2 78.6

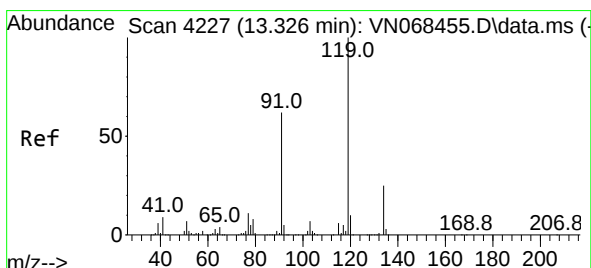
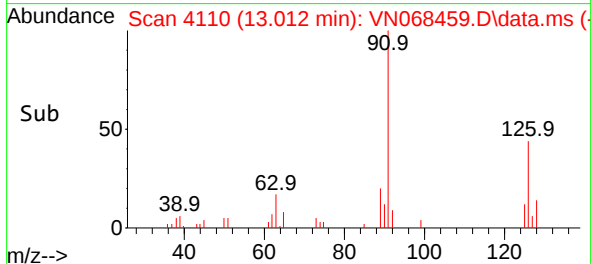
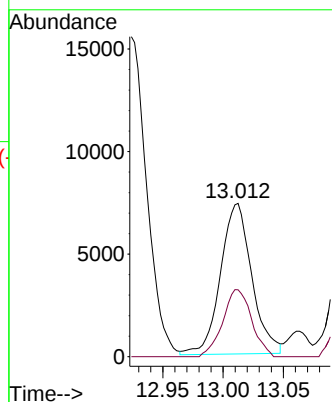
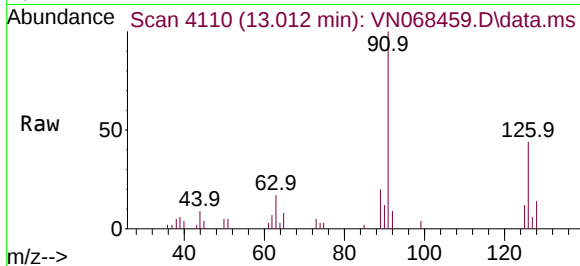




#78
4-Chlorotoluene
Concen: 0.796 ug/l
RT: 13.012 min Scan# 4110
Delta R.T. -0.094 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

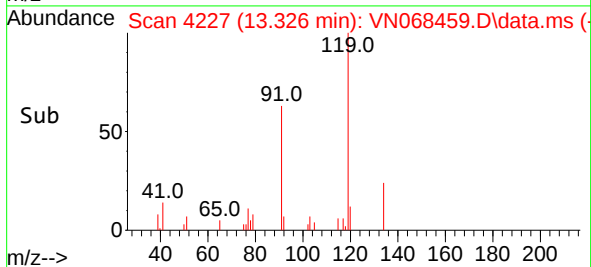
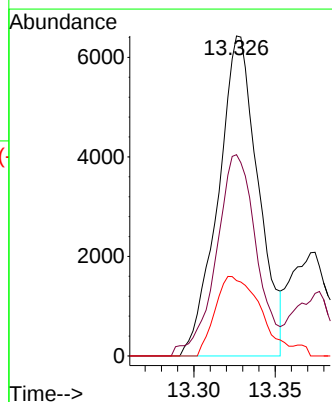
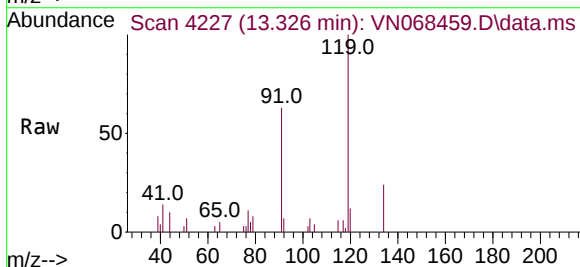
Instrument :
MSVOA_N
ClientSampleId :
IBLK

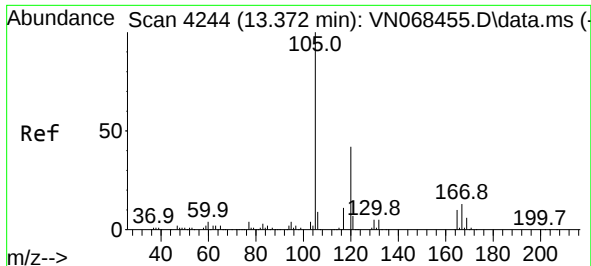
Tgt Ion: 91 Resp: 13251
Ion Ratio Lower Upper
91 100
126 41.1 0.0 77.8



#79
tert-butylbenzene
Concen: 0.539 ug/l
RT: 13.326 min Scan# 4227
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 119 Resp: 11041
Ion Ratio Lower Upper
119 100
91 57.3 0.0 120.0
134 27.8 0.0 54.0

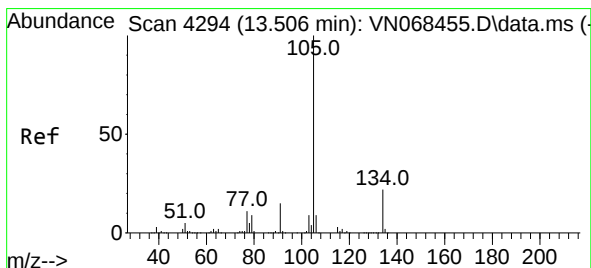
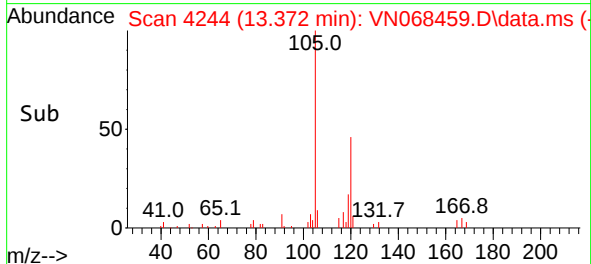
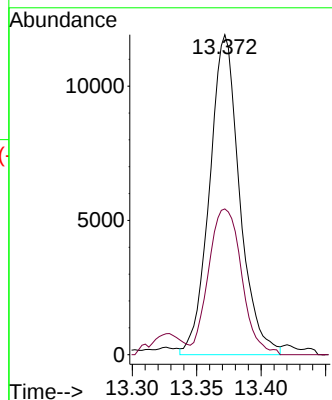
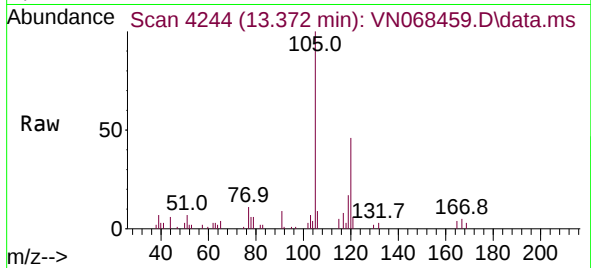




#80
1,2,4-Trimethylbenzene
Concen: 0.896 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

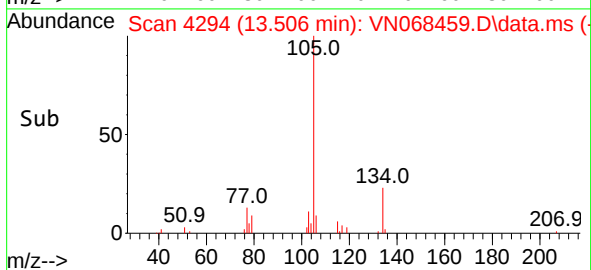
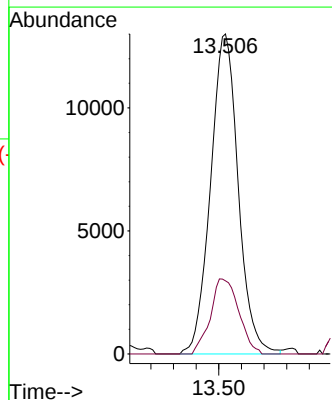
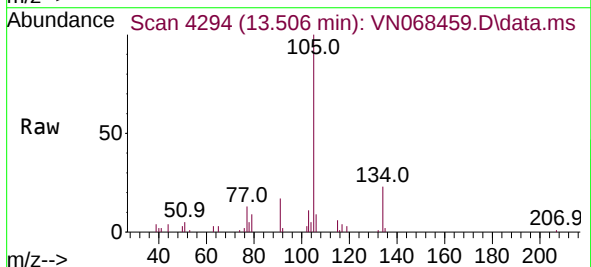
Instrument :
MSVOA_N
ClientSampleId :
IBLK

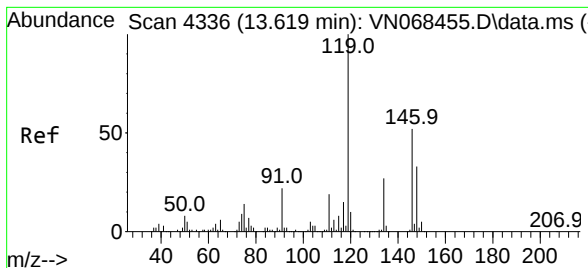
Tgt Ion:105 Resp: 19329
Ion Ratio Lower Upper
105 100
120 49.8 0.0 0.4#



#81
sec-Butylbenzene
Concen: 0.814 ug/l
RT: 13.506 min Scan# 4294
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion:105 Resp: 22048
Ion Ratio Lower Upper
105 100
134 24.0 0.0 43.8





#82

p-Isopropyltoluene

Concen: 1.042 ug/l

RT: 13.621 min Scan# 4337

Delta R.T. 0.003 min

Lab File: VN068459.D

Acq: 13 Sep 2021 15:45

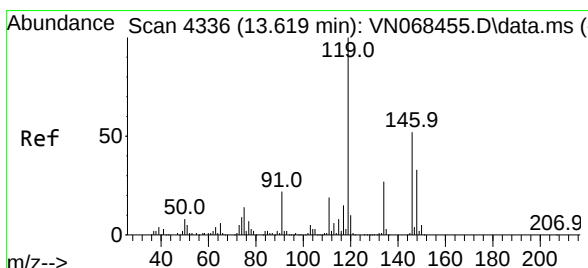
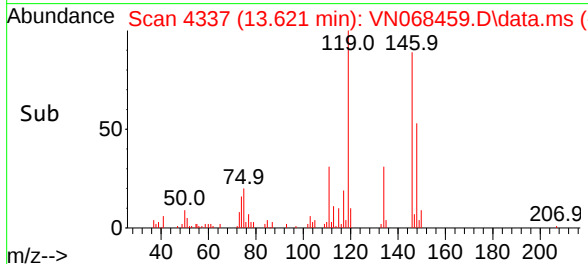
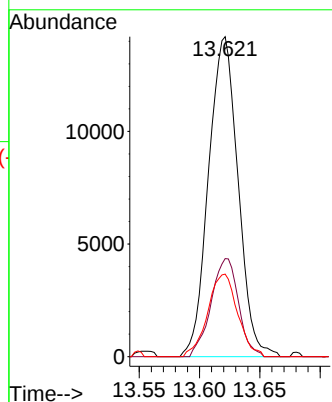
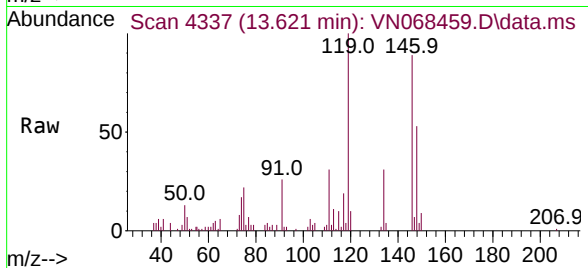
Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:	119	Resp:	24204
Ion Ratio	Lower	Upper	
119	100		
134	28.5	0.0	55.4
91	26.0	0.0	44.4



#83

1,3-Dichlorobenzene

Concen: 1.692 ug/l

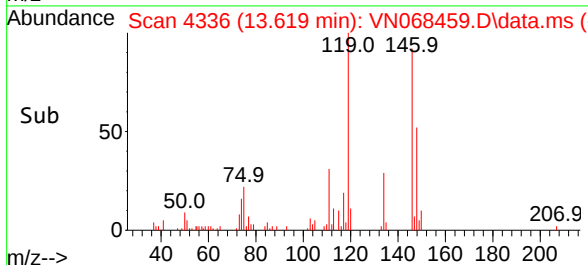
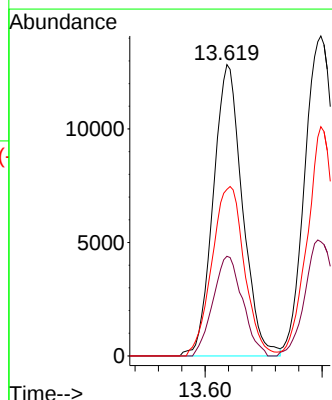
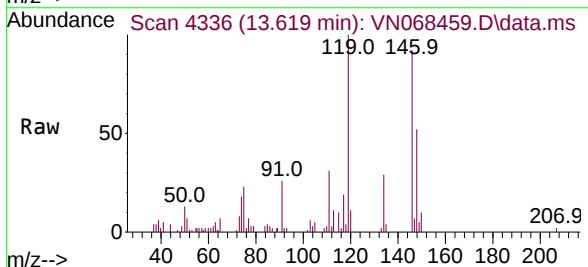
RT: 13.619 min Scan# 4336

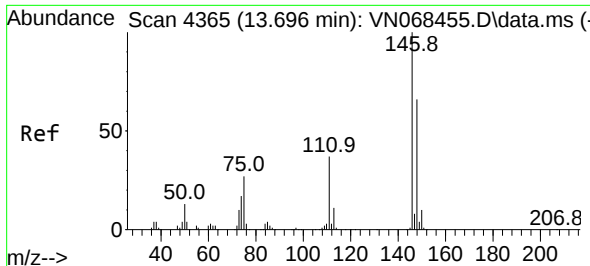
Delta R.T. 0.000 min

Lab File: VN068459.D

Acq: 13 Sep 2021 15:45

Tgt Ion:	146	Resp:	22306
Ion Ratio	Lower	Upper	
146	100		
111	34.5	18.4	55.2
148	64.6	32.0	96.0

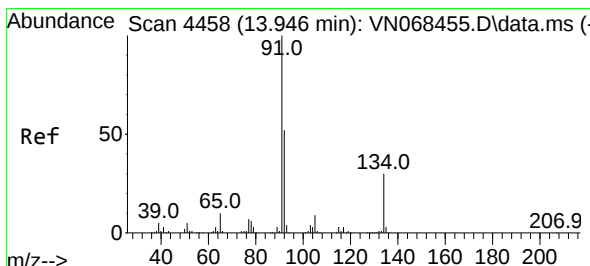
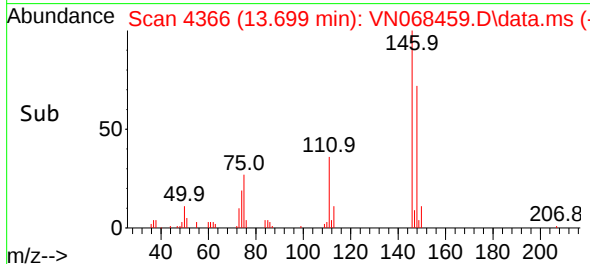
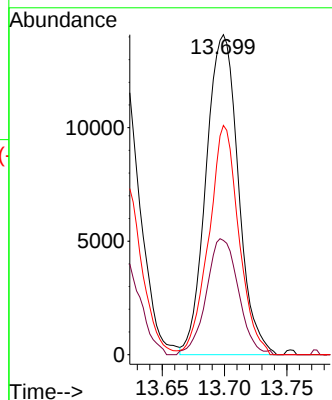
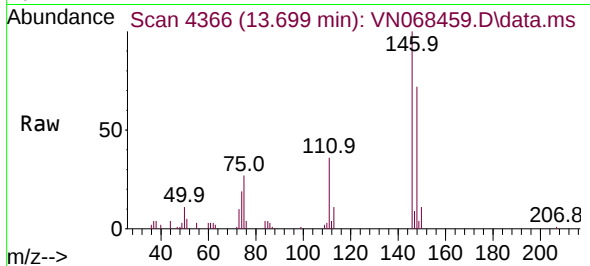




#84
1,4-Dichlorobenzene
Concen: 2.011 ug/l
RT: 13.699 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

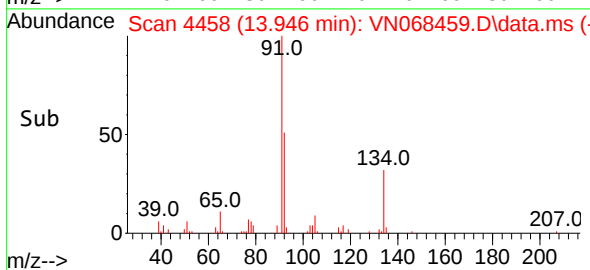
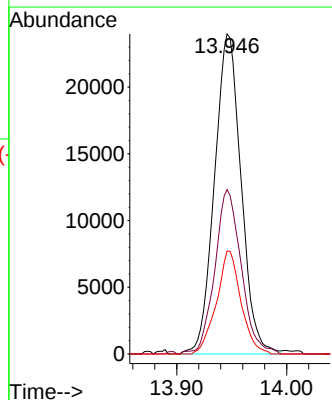
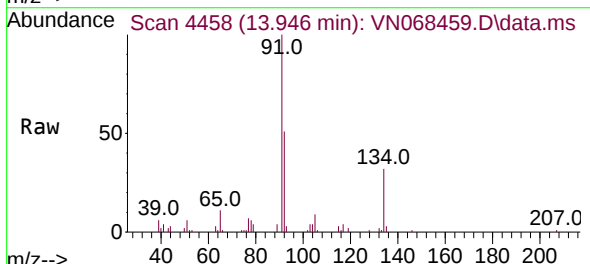
Instrument :
MSVOA_N
ClientSampleId :
IBLK

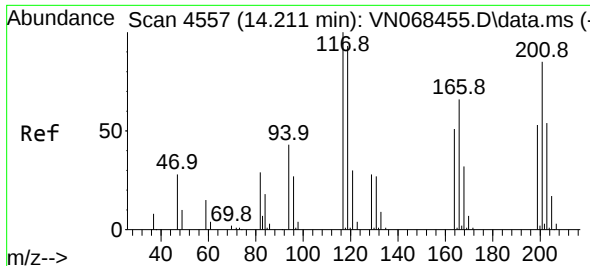
Tgt Ion:146 Resp: 25393
Ion Ratio Lower Upper
146 100
111 35.8 18.2 54.6
148 66.7 32.6 97.7



#85
n-Butylbenzene
Concen: 2.439 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion: 91 Resp: 40308
Ion Ratio Lower Upper
91 100
92 51.0 0.0 102.4
134 29.6 0.0 58.8

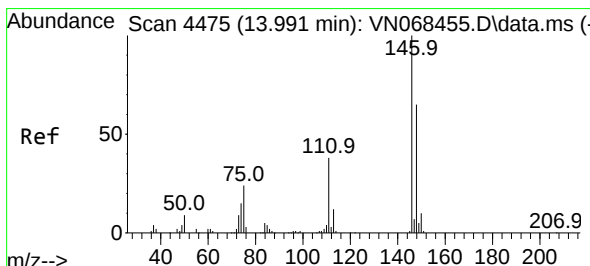
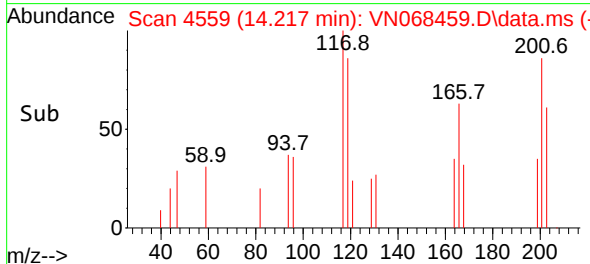
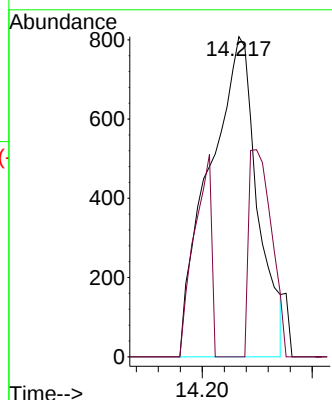
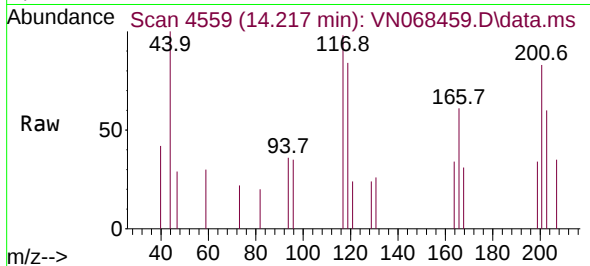




#86
Hexachloroethane
Concen: 0.287 ug/l
RT: 14.217 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

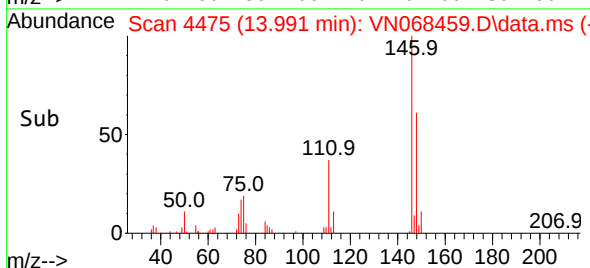
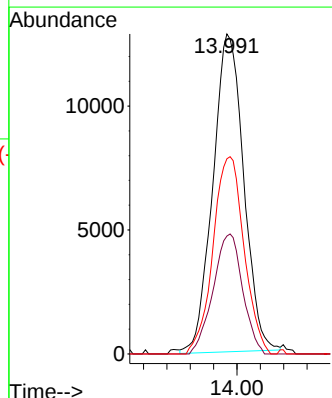
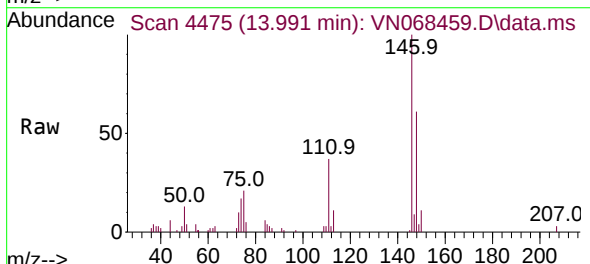
Instrument :
MSVOA_N
ClientSampleId :
IBLK

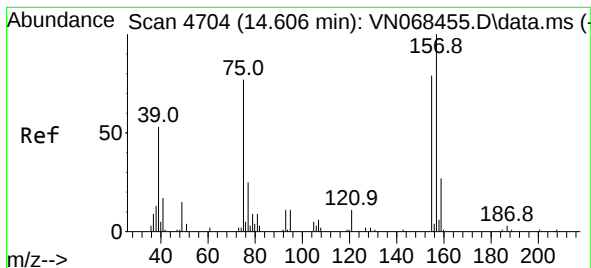
Tgt Ion:117 Resp: 1225
Ion Ratio Lower Upper
117 100
201 30.9 43.6 130.8#



#87
1,2-Dichlorobenzene
Concen: 1.855 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

Tgt Ion:146 Resp: 23493
Ion Ratio Lower Upper
146 100
111 36.0 18.6 56.0
148 62.4 31.9 95.5





#88

1,2-Dibromo-3-Chloropropane

Concen: 4.117 ug/l

RT: 14.606 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN068459.D

Acq: 13 Sep 2021 15:45

Instrument :

MSVOA_N

ClientSampleId :

IBLK

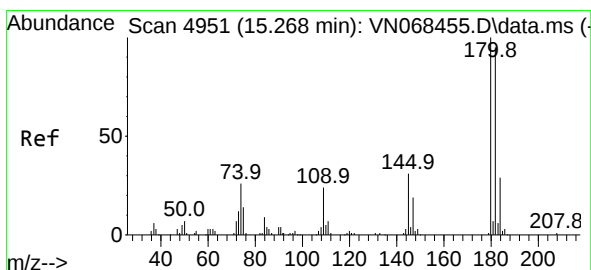
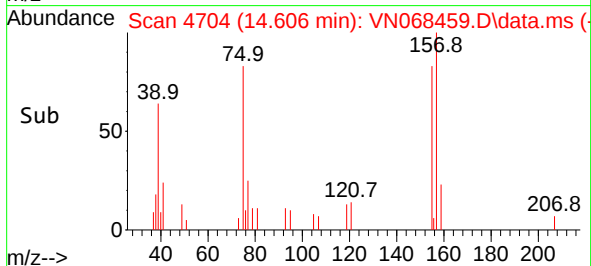
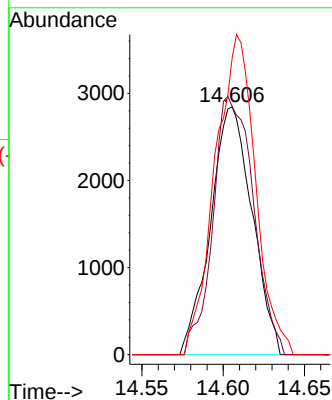
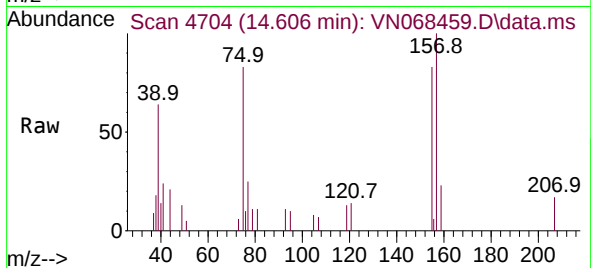
Tgt Ion: 75 Resp: 5062

Ion Ratio Lower Upper

75 100

155 101.6 83.3 124.9

157 125.4 104.9 157.3



#89

1,2,4-Trichlorobenzene

Concen: 7.539 ug/l

RT: 15.265 min Scan# 4950

Delta R.T. -0.003 min

Lab File: VN068459.D

Acq: 13 Sep 2021 15:45

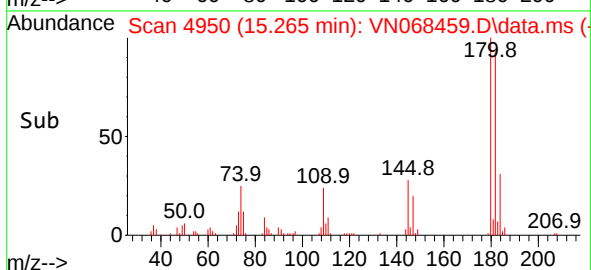
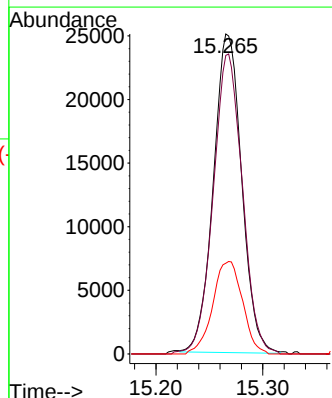
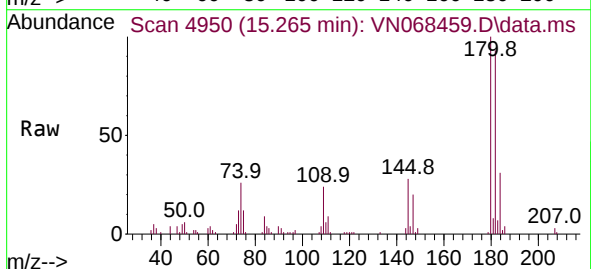
Tgt Ion: 180 Resp: 46139

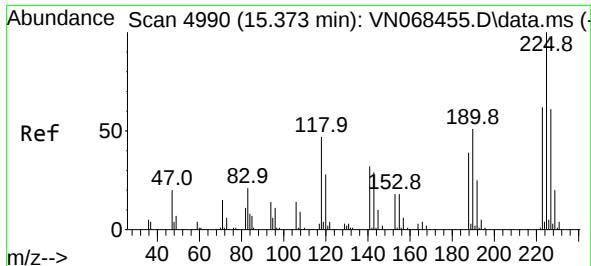
Ion Ratio Lower Upper

180 100

182 96.9 77.0 115.4

145 30.5 24.6 36.8

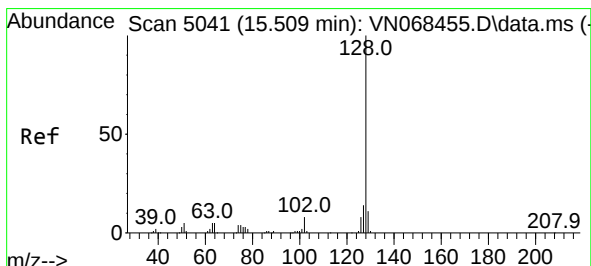
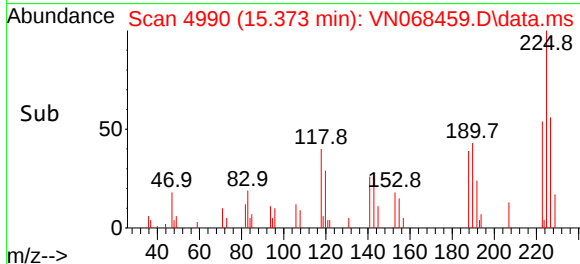
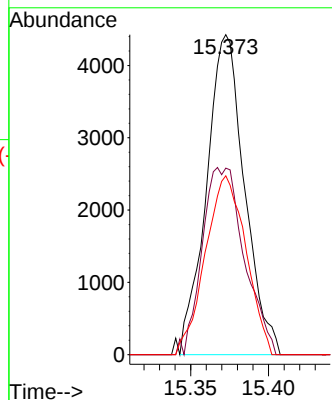
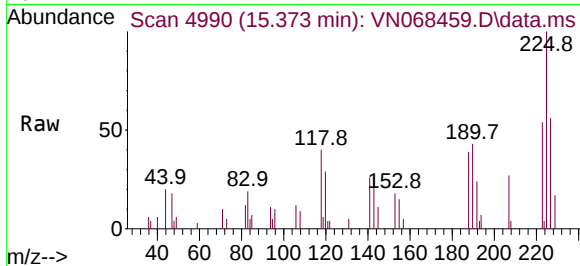




#90
Hexachlorobutadiene
Concen: 1.943 ug/l
RT: 15.373 min Scan# 4990
Delta R.T. 0.000 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

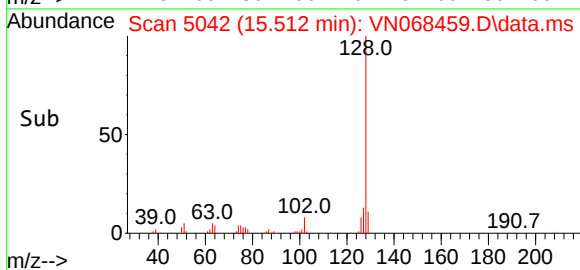
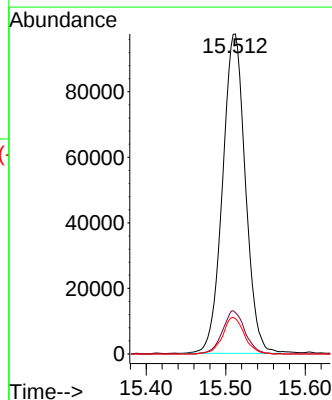
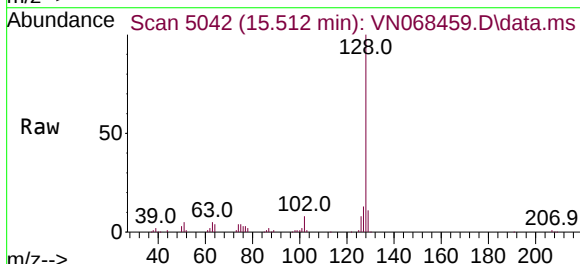
Instrument :
MSVOA_N
ClientSampleId :
IBLK

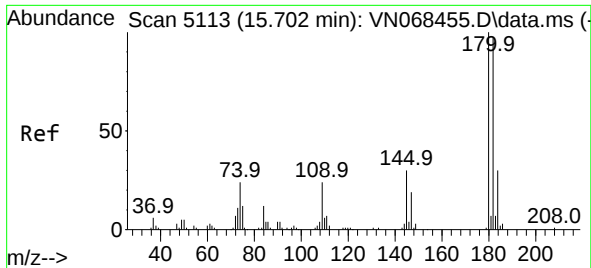
Tgt Ion:225	Resp:	7521
Ion Ratio	Lower	Upper
225	100	
223	31.9	0.0 128.4
227	59.5	0.0 127.8



#91
Naphthalene
Concen: 14.714 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN068459.D
Acq: 13 Sep 2021 15:45

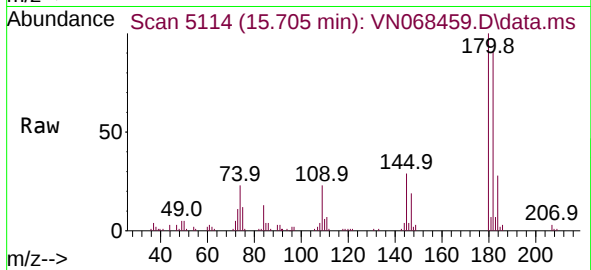
Tgt Ion:128	Resp:	194252
Ion Ratio	Lower	Upper
128	100	
127	13.4	10.6 15.8
129	10.9	8.8 13.2





#92
 1,2,3-Trichlorobenzene
 Concen: 10.976 ug/l
 RT: 15.705 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VN068459.D
 Acq: 13 Sep 2021 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	0.0	191.2
145	29.9	0.0	61.8

