

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092723\
 Data File : VN079356.D
 Acq On : 27 Sep 2023 10:13
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 27 23:35:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 27 23:34:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.359	128	37560	30.000	ug/l	-0.46
28) 1,4-Difluorobenzene	8.865	114	223105	30.000	ug/l	-0.24
57) Chlorobenzene-d5	11.812	117	206284	30.000	ug/l	-0.06
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.265	65	102019	33.109	ug/l	-0.32
Spiked Amount	30.000	Range	91 - 110	Recovery	= 110.367%#	
60) 4-Bromofluorobenzene	12.823	95	88348	30.047	ug/l	-0.03
Spiked Amount	30.000	Range	63 - 112	Recovery	= 100.167%	
63) Toluene-d8	10.453	98	301565	29.755	ug/l	-0.12
Spiked Amount	30.000	Range	91 - 112	Recovery	= 99.200%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.112	62	1679	0.515	ug/l #	1
7) Trichlorofluoromethane	3.365	101	45972	11.910	ug/l	100
12) Methyl Acetate	4.859	43	11937	2.967	ug/l #	78
15) Acetone	4.547	58	442	1.140	ug/l #	57
21) 1,1-Dichloroethane	5.824	63	99614	21.757	ug/l	97
22) cis-1,2-Dichloroethene	6.959	96	58388	21.925	ug/l	93
23) tert-Butyl Alcohol	4.859	59	184	0.529	ug/l #	100
25) Chloroform	7.553	83	101124	21.634	ug/l	90
26) Cyclohexane	7.877	56	75770	24.250	ug/l #	96
29) 1,1-Dichloropropene	8.024	75	74374	19.787	ug/l	99
31) 2,2-Dichloropropane	7.865	77	895	0.216	ug/l #	1
32) 1,1,1-Trichloroethane	7.782	97	84174	19.315	ug/l	99
33) Carbon Tetrachloride	8.000	117	73951	19.593	ug/l	96
34) Benzene	8.288	78	223641	19.639	ug/l	97
35) Methacrylonitrile	7.330	41	28082	14.586	ug/l	93
36) 1,2-Dichloroethane	8.371	62	80015	19.399	ug/l	100
37) Trichloroethene	9.135	130	51091	19.090	ug/l	95
38) Methylcyclohexane	9.400	83	72819	19.756	ug/l	99
39) 1,2-Dichloropropane	9.429	63	59156	19.570	ug/l	96
40) Dibromomethane	9.729	93	2248	1.123	ug/l	13
41) Bromodichloromethane	9.724	83	79832	19.593	ug/l	100
45) 1,4-Dioxane	9.518	88	19972	406.565	ug/l	95
46) Methyl methacrylate	9.512	41	54035	19.965	ug/l	97
47) n-amyl Acetate	12.470	43	89531	21.127	ug/l	98
48) t-1,3-Dichloropropene	10.747	75	80538	19.460	ug/l	99
49) cis-1,3-Dichloropropene	10.182	75	88829	20.003	ug/l	96
50) 1,1,2-Trichloroethane	10.935	97	53440	19.577	ug/l	89
51) Ethyl methacrylate	10.794	69	73677	19.856	ug/l	98
52) 1,3-Dichloropropane	11.088	76	94213	19.349	ug/l	100
53) Dibromochloromethane	11.288	129	54878	19.862	ug/l	97
54) 1,2-Dibromoethane	11.400	107	53269	20.010	ug/l	99
55) 2-Chloroethyl vinyl ether	10.029	63	146185	101.343	ug/l	99
56) Bromoform	12.547	173	36292	20.618	ug/l #	98
58) 4-Methyl-2-Pentanone	10.329	43	358998	97.247	ug/l	99
59) 2-Hexanone	11.129	43	259106	98.105	ug/l	99
61) Tetrachloroethene	11.018	164	43082	18.730	ug/l	99
62) Toluene	10.518	91	235622	19.067	ug/l	99
64) Chlorobenzene	11.841	112	138902	19.585	ug/l	90
65) 1,1,1,2-Tetrachloroethane	11.912	131	50988	19.220	ug/l	99

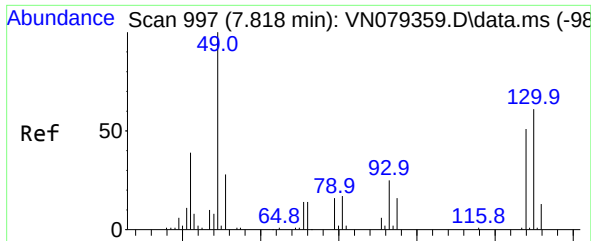
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092723\
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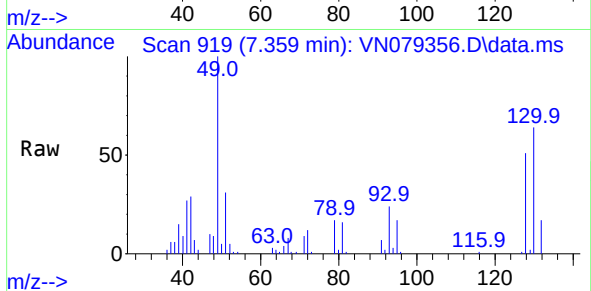
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Ethyl Benzene	11.918	91	244939	19.597	ug/l	97
67) m/p-Xylenes	12.029	106	185595	40.162	ug/l	98
68) o-Xylene	12.365	106	86578	19.468	ug/l	97
69) Styrene	12.382	104	142910	20.400	ug/l	98
70) Isopropylbenzene	12.670	105	227018	20.066	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.917	83	80287	19.807	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	91452	22.169	ug/l	71
73) Bromobenzene	12.959	156	51105	19.292	ug/l	97
74) n-propylbenzene	13.017	91	265887	19.853	ug/l	99
75) 2-Chlorotoluene	13.106	91	160965	19.682	ug/l	99
76) 1,3,5-Trimethylbenzene	13.159	105	191784	20.397	ug/l	99
77) t-1,4-Dichloro-2-butene	12.717	75	22445	20.893	ug/l	93
78) 4-Chlorotoluene	13.206	91	155624	20.479	ug/l	99
79) tert-butylbenzene	13.429	119	169590	21.770	ug/l	98
80) 1,2,4-Trimethylbenzene	13.470	105	202560	22.022	ug/l	98
81) sec-Butylbenzene	13.606	105	244629	21.888	ug/l	100
82) p-Isopropyltoluene	13.723	119	197292	22.267	ug/l	98
83) 1,3-Dichlorobenzene	13.723	146	97749	21.821	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	92006	21.914	ug/l	99
85) n-Butylbenzene	14.053	91	153046	22.529	ug/l	97
86) Hexachloroethane	14.329	117	40494	22.059	ug/l	99
87) 1,2-Dichlorobenzene	14.100	146	100807	22.784	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12601	20.150	ug/l	99
89) 1,2,4-Trichlorobenzene	15.841	180	34113	22.080	ug/l	95
90) Hexachlorobutadiene	15.506	225	22323	18.956	ug/l	99
91) Naphthalene	15.641	128	80520	21.734	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	34113	20.881	ug/l	95

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

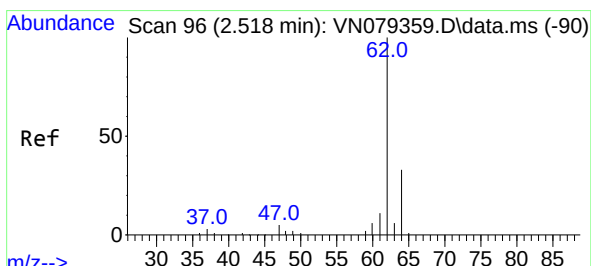
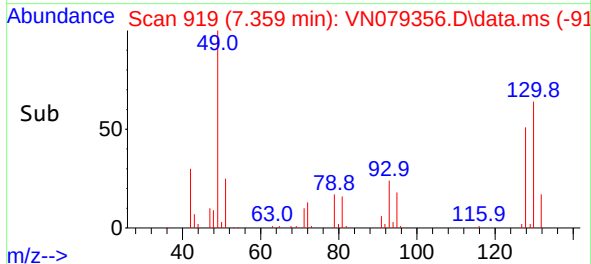
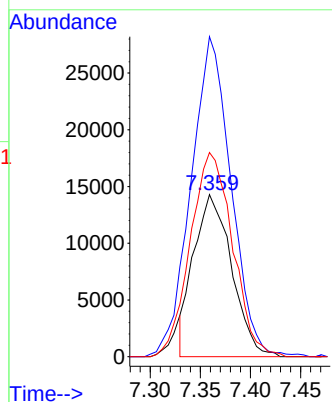


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.359 min Scan# 91
Delta R.T. -0.459 min
Lab File: VN079356.D
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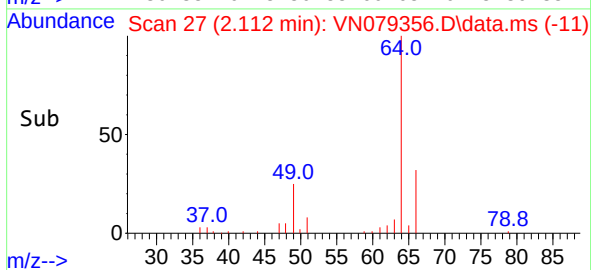
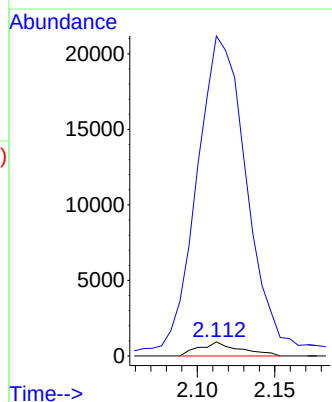
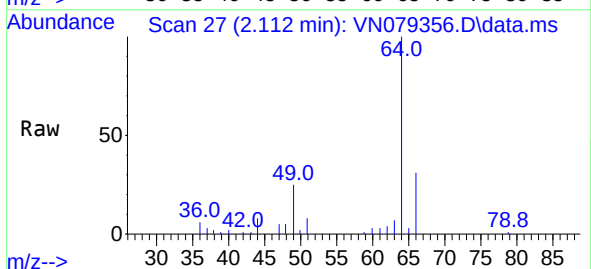


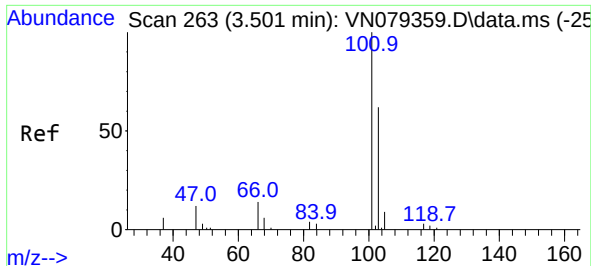
Tgt Ion:128 Resp: 37560
Ion Ratio Lower Upper
128 100
49 190.1 0.0 468.5
130 131.6 0.0 320.7



#4
Vinyl Chloride
Concen: 0.515 ug/l
RT: 2.112 min Scan# 27
Delta R.T. -0.406 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion: 62 Resp: 1679
Ion Ratio Lower Upper
62 100
64 2138.1 26.4 39.6#

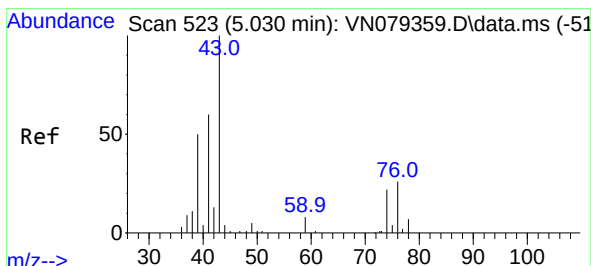
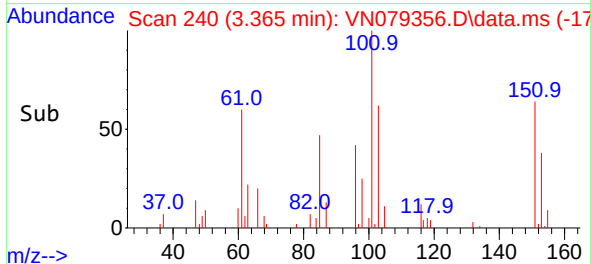
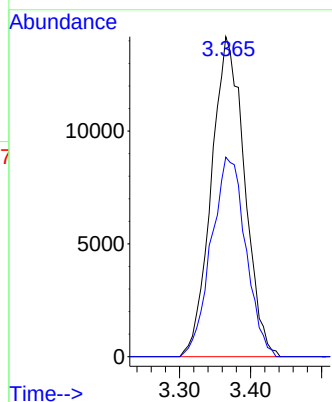
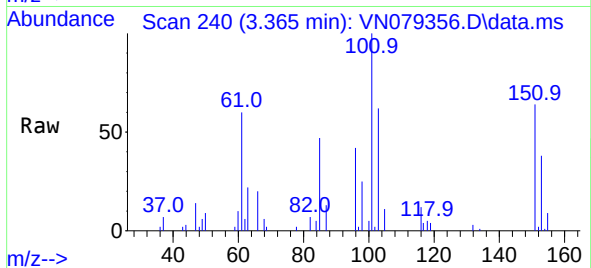




#7
 Trichlorofluoromethane
 Concen: 11.910 ug/l
 RT: 3.365 min Scan# 24
 Delta R.T. -0.135 min
 Lab File: VN079356.D
 Acq: 27 Sep 2023 10:13

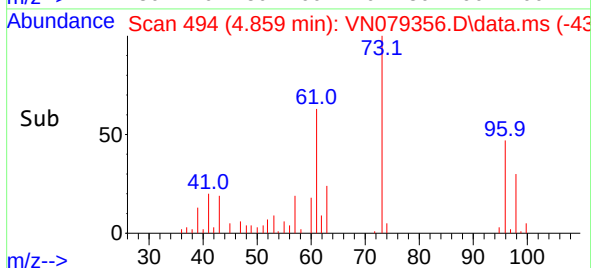
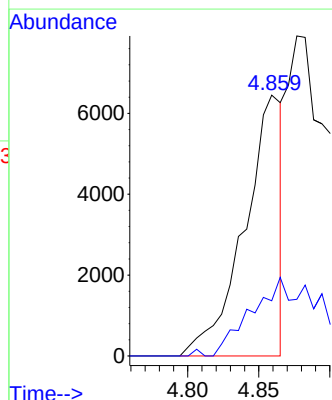
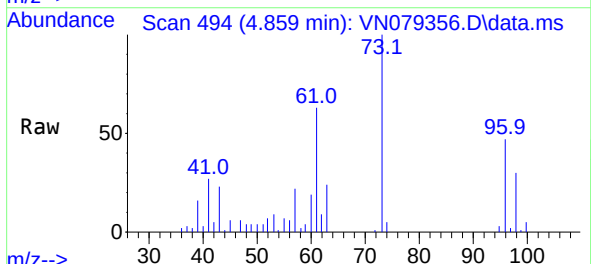
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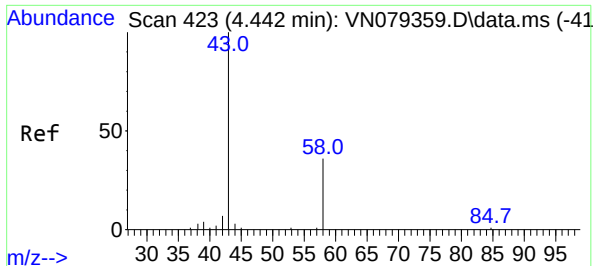
Tgt Ion:101 Resp: 45972
 Ion Ratio Lower Upper
 101 100
 103 62.4 49.9 74.9



#12
 Methyl Acetate
 Concen: 2.967 ug/l
 RT: 4.859 min Scan# 494
 Delta R.T. -0.171 min
 Lab File: VN079356.D
 Acq: 27 Sep 2023 10:13

Tgt Ion: 43 Resp: 11937
 Ion Ratio Lower Upper
 43 100
 74 11.9 18.1 27.1#





#15

Acetone

Concen: 1.140 ug/l

RT: 4.547 min Scan# 441

Delta R.T. 0.106 min

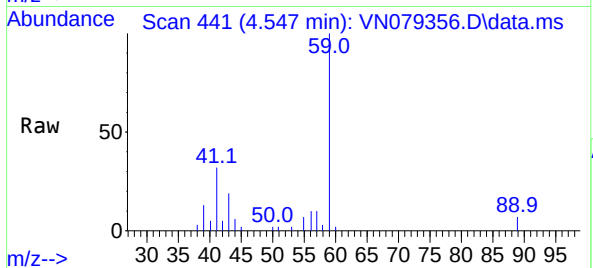
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Acq: 27 Sep 2023 10:13

Instrument :

MSVOA_N

ClientSampleId :

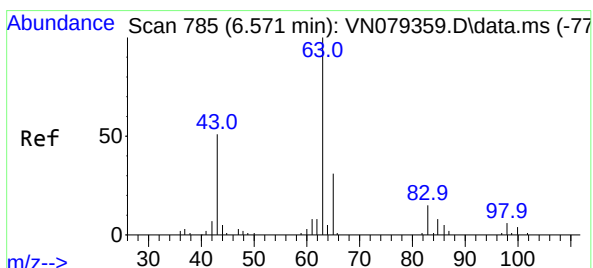
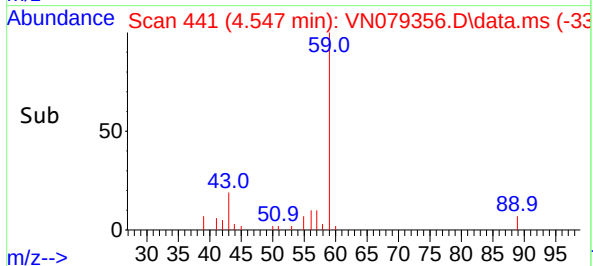
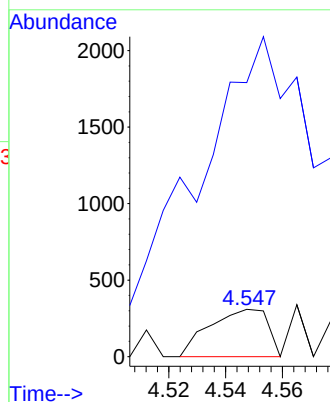


Tgt Ion: 58 Resp: 442

Ion Ratio Lower Upper

58 100

43 200.0 225.2 337.8#



#21

1,1-Dichloroethane

Concen: 21.757 ug/l

RT: 5.824 min Scan# 658

Delta R.T. -0.747 min

Lab File: VN079356.D

Acq: 27 Sep 2023 10:13

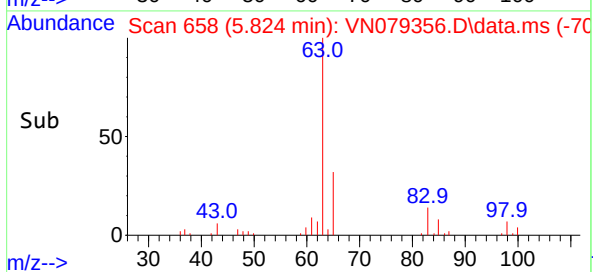
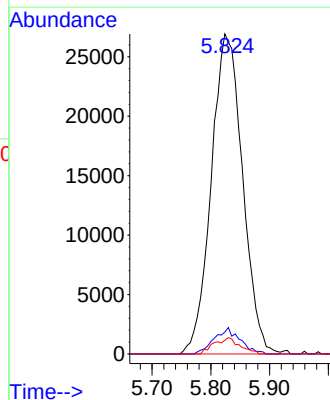
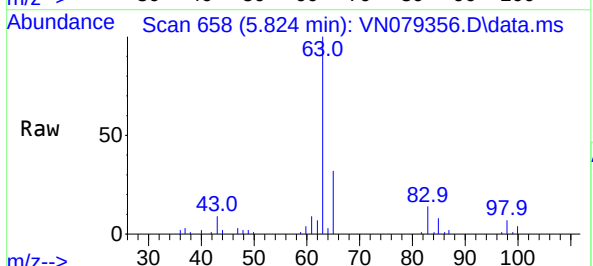
Tgt Ion: 63 Resp: 99614

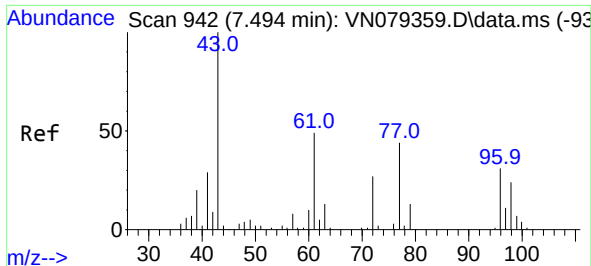
Ion Ratio Lower Upper

63 100

98 6.8 2.8 8.4

100 4.3 1.9 5.7





#22

cis-1,2-Dichloroethene

Concen: 21.925 ug/l

RT: 6.959 min Scan# 81

Delta R.T. -0.535 min

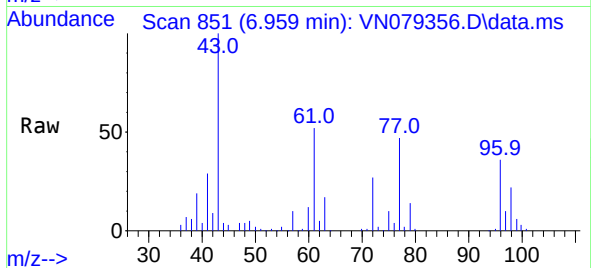
Lab File: VN079356.D

Acq: 27 Sep 2023 10:13

Instrument :

MSVOA_N

ClientSampleId :



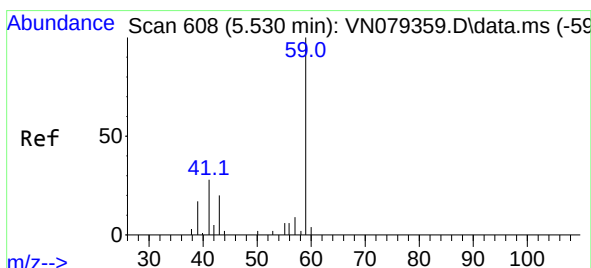
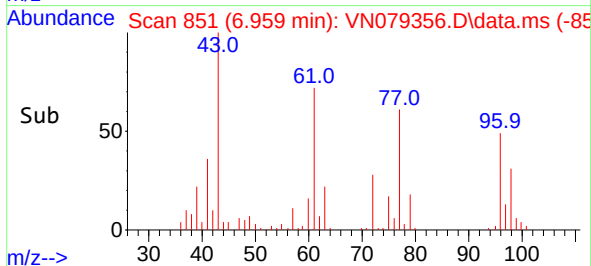
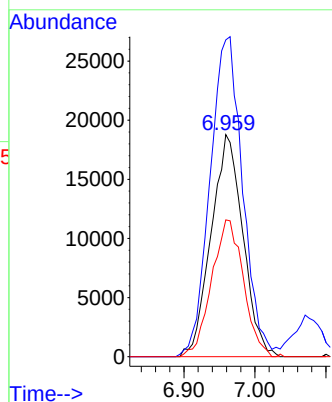
Tgt Ion: 96 Resp: 58388

Ion Ratio Lower Upper

96 100

61 147.4 124.6 186.8

98 61.5 54.2 81.4



#23

tert-Butyl Alcohol

Concen: 0.529 ug/l

RT: 4.859 min Scan# 494

Delta R.T. -0.671 min

Lab File: VN079356.D

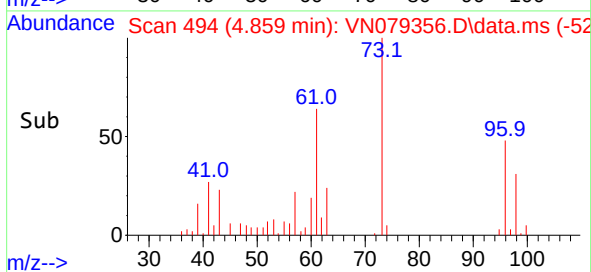
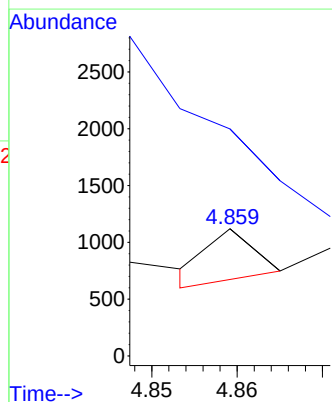
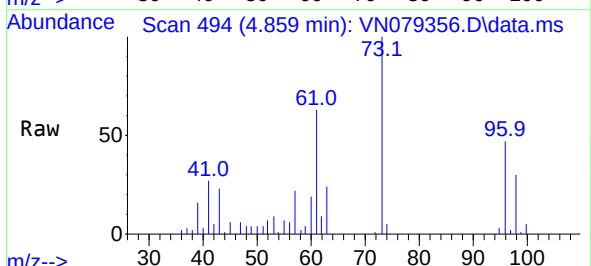
Acq: 27 Sep 2023 10:13

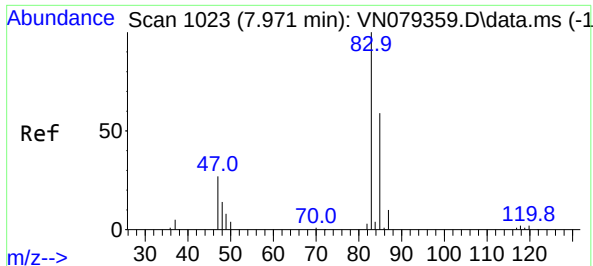
Tgt Ion: 59 Resp: 184

Ion Ratio Lower Upper

59 100

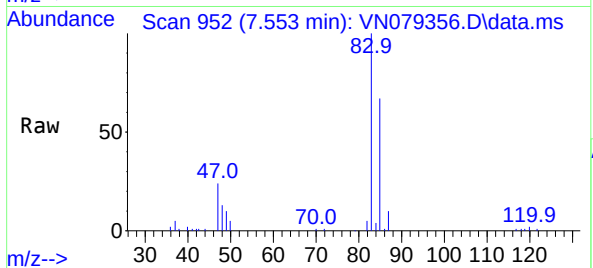
52 323.4 0.0 0.0#



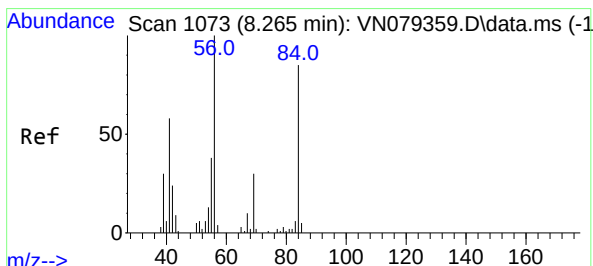
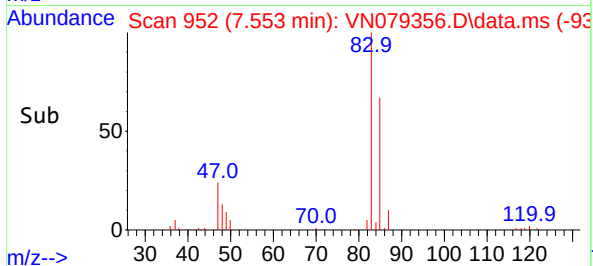
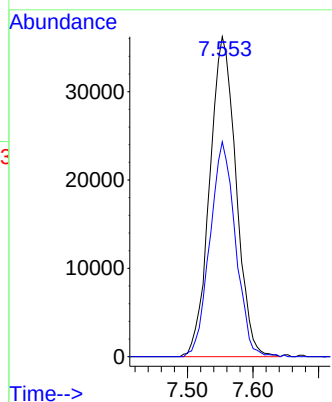


#25
Chloroform
Concen: 21.634 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.418 min
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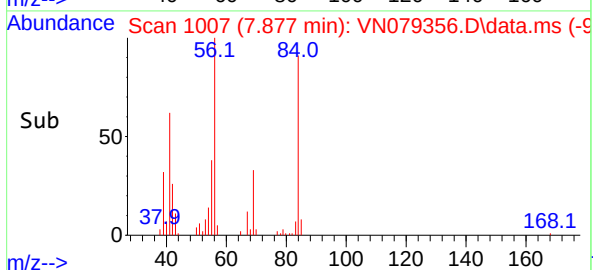
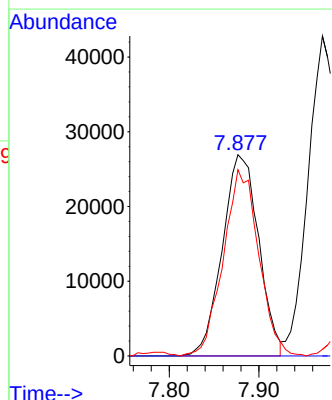
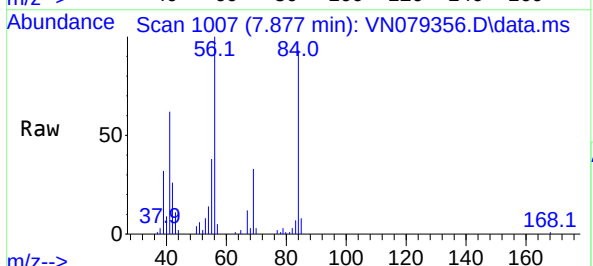


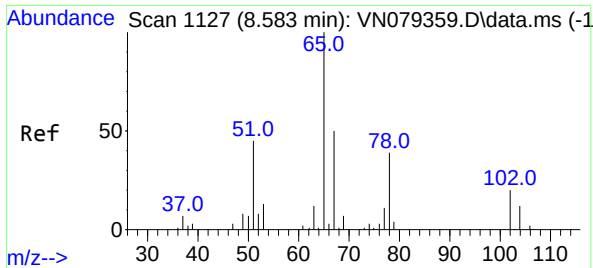
Tgt Ion: 83 Resp: 101124
Ion Ratio Lower Upper
83 100
85 67.1 47.4 71.2



#26
Cyclohexane
Concen: 24.250 ug/l
RT: 7.877 min Scan# 1007
Delta R.T. -0.388 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion: 56 Resp: 75770
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 90.1 69.0 103.4

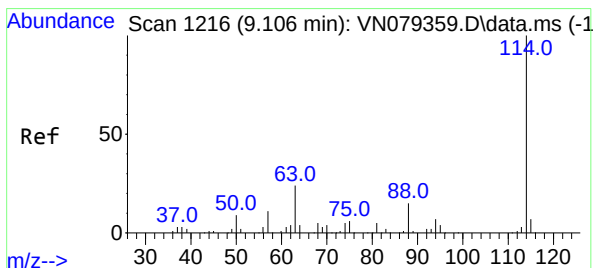
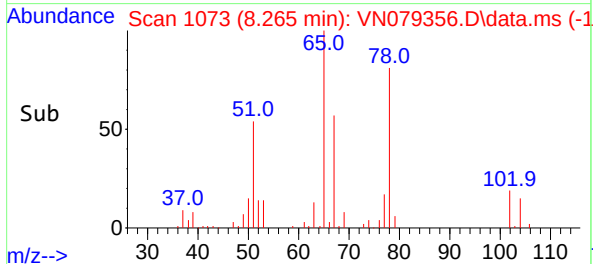
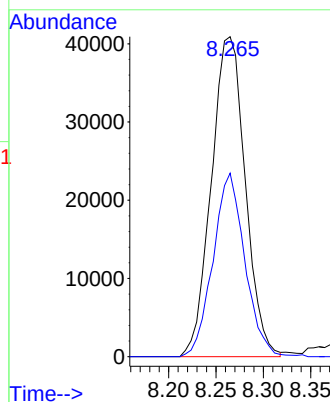
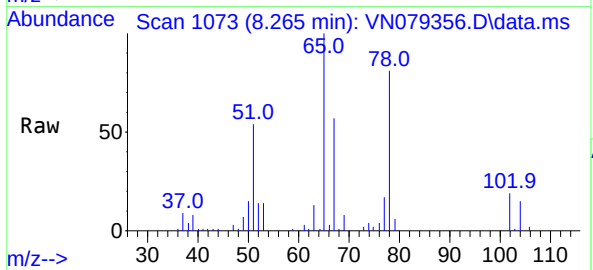




#27
1,2-Dichloroethane-d4
Concen: 33.109 ug/l
RT: 8.265 min Scan# 1107
Delta R.T. -0.318 min
Lab File: VN079356.D
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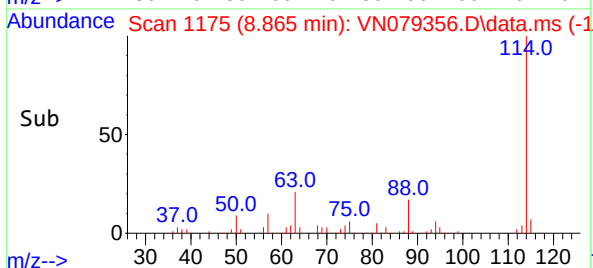
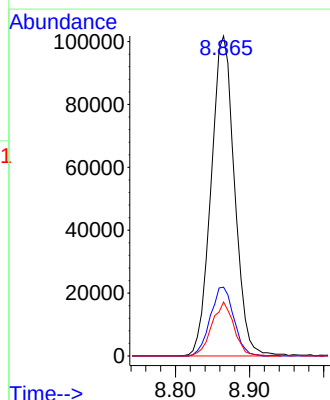
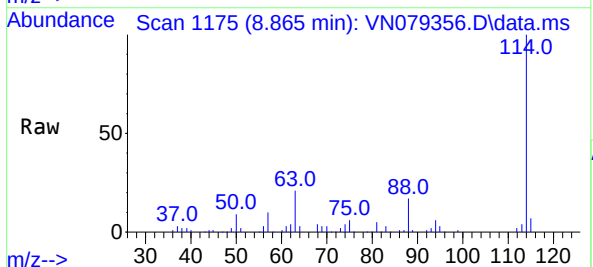
Instrument :
MSVOA_N
ClientSampleId :

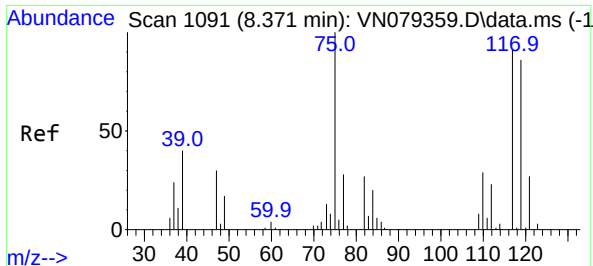
Tgt Ion: 65 Resp: 102019
Ion Ratio Lower Upper
65 100
67 53.7 42.1 63.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.865 min Scan# 1175
Delta R.T. -0.241 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion: 114 Resp: 223105
Ion Ratio Lower Upper
114 100
63 21.6 18.1 27.1
88 15.9 12.2 18.2

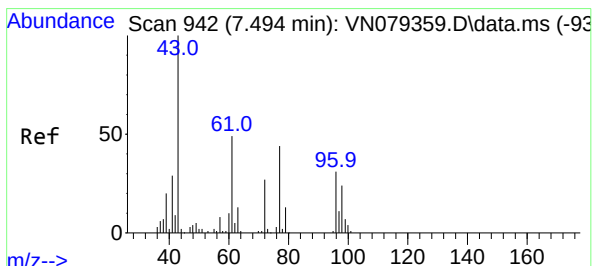
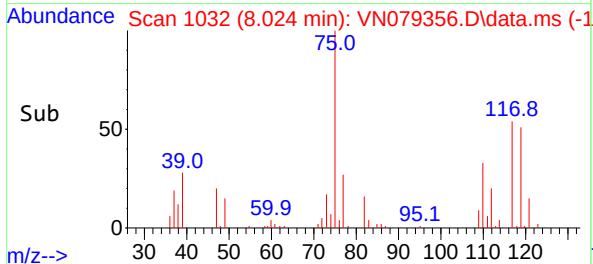
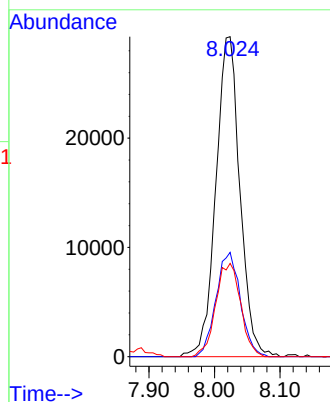
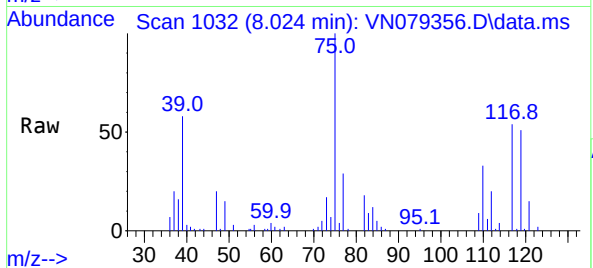




#29
1,1-Dichloropropene
Concen: 19.787 ug/l
RT: 8.024 min Scan# 1005
Delta R.T. -0.347 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

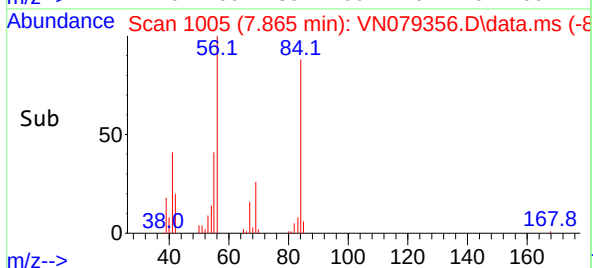
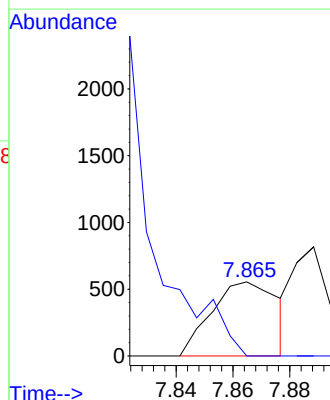
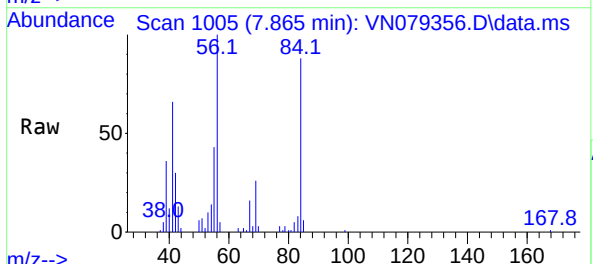
Instrument :
MSVOA_N
ClientSampleId :

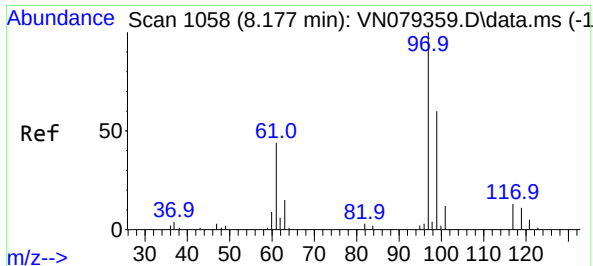
Tgt Ion: 75 Resp: 74374
Ion Ratio Lower Upper
75 100
110 33.2 0.0 66.8
77 30.2 0.0 61.2



#31
2,2-Dichloropropane
Concen: 0.216 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.370 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion: 77 Resp: 895
Ion Ratio Lower Upper
77 100
97 9404.9 17.9 26.9#

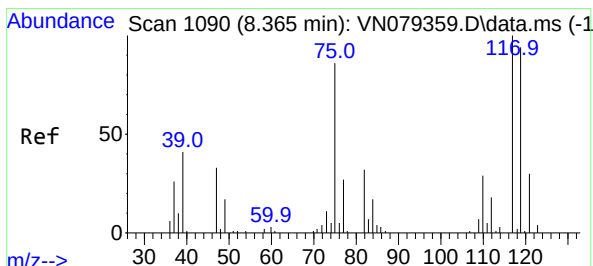
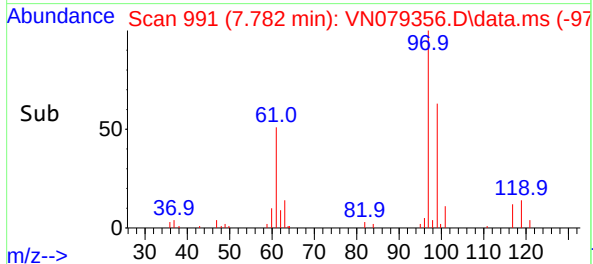
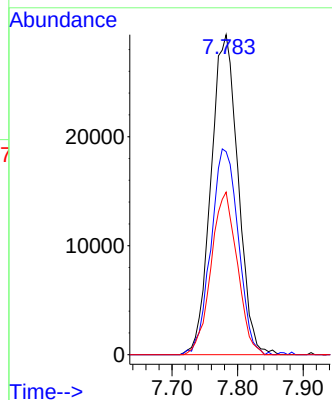
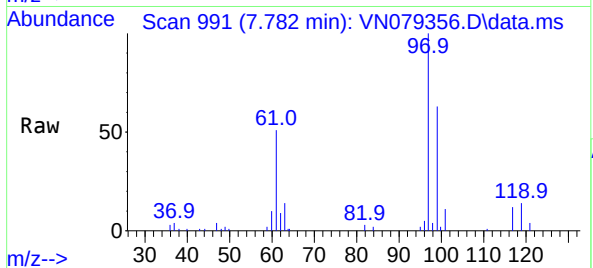




#32
1,1,1-Trichloroethane
Concen: 19.315 ug/l
RT: 7.782 min Scan# 99
Delta R.T. -0.394 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

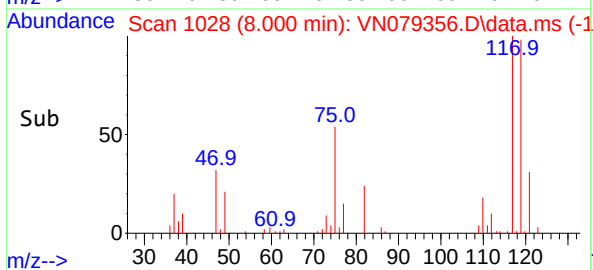
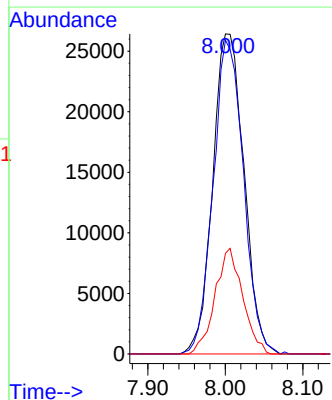
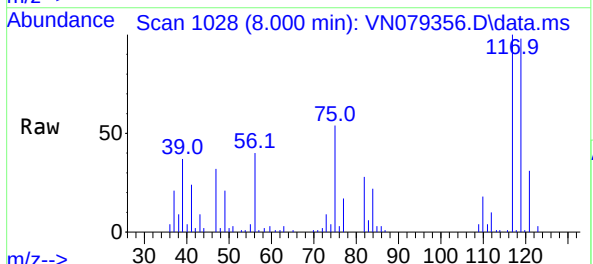
Instrument :
MSVOA_N
ClientSampleId :

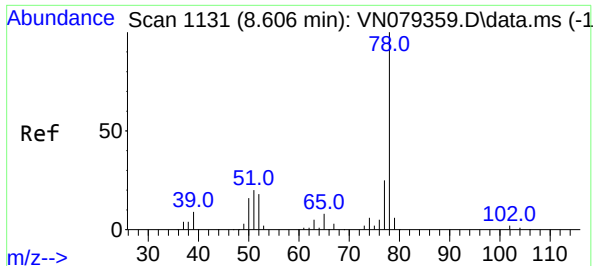
Tgt Ion: 97 Resp: 84174
Ion Ratio Lower Upper
97 100
99 64.8 51.9 77.9
61 49.2 37.6 56.4



#33
Carbon Tetrachloride
Concen: 19.593 ug/l
RT: 8.000 min Scan# 1028
Delta R.T. -0.365 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

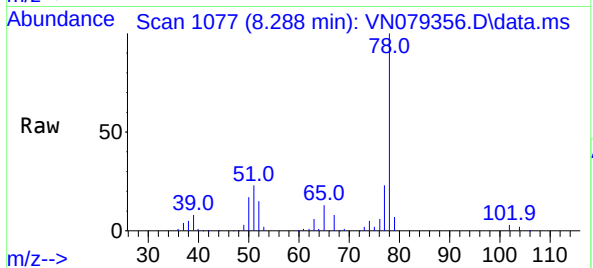
Tgt Ion: 117 Resp: 73951
Ion Ratio Lower Upper
117 100
119 98.1 75.0 112.6
121 31.5 24.3 36.5



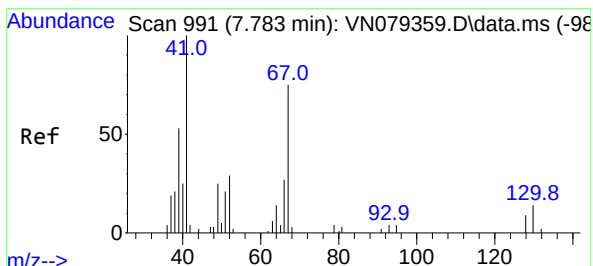
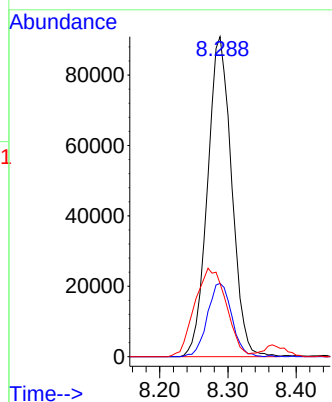
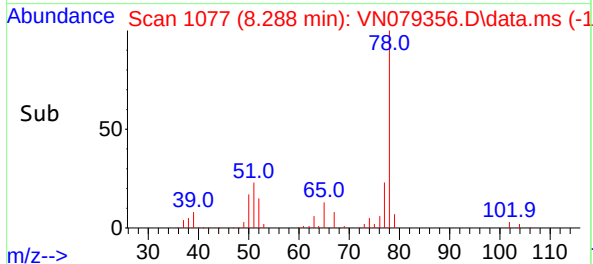


#34
Benzene
Concen: 19.639 ug/l
RT: 8.288 min Scan# 10
Delta R.T. -0.318 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Instrument :
MSVOA_N
ClientSampleId :

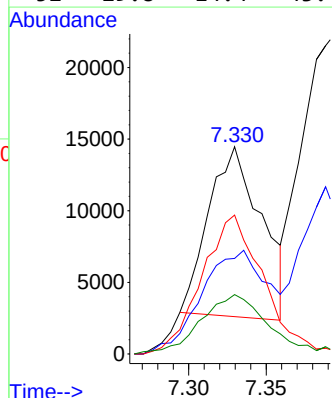
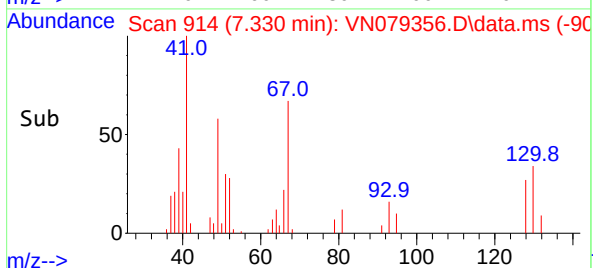
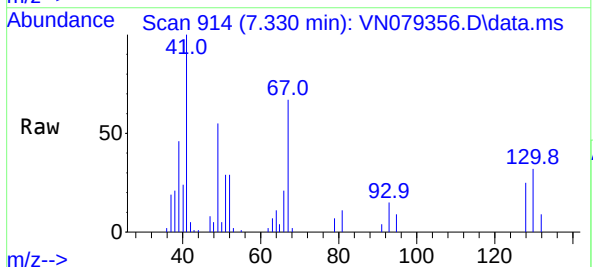


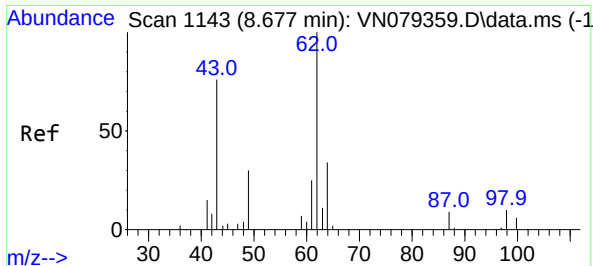
Tgt Ion: 78 Resp: 223641
Ion Ratio Lower Upper
78 100
77 22.9 19.7 29.5
51 21.3 15.8 23.6



#35
Methacrylonitrile
Concen: 14.586 ug/l
RT: 7.330 min Scan# 914
Delta R.T. -0.453 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion: 41 Resp: 28082
Ion Ratio Lower Upper
41 100
39 45.2 26.3 78.8
67 69.1 37.5 112.3
52 29.8 14.4 43.4

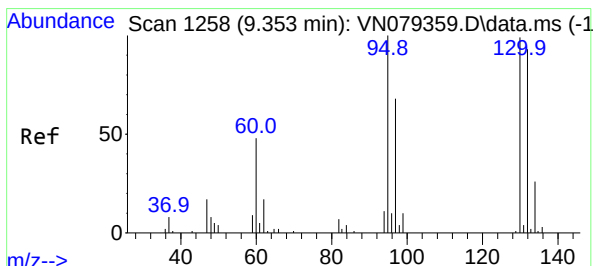
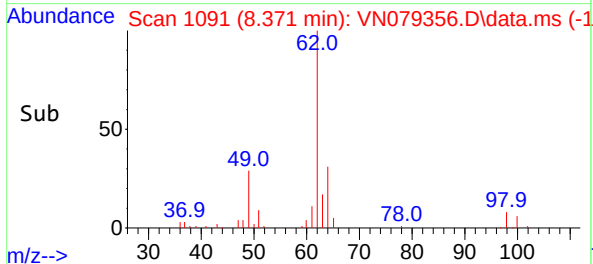
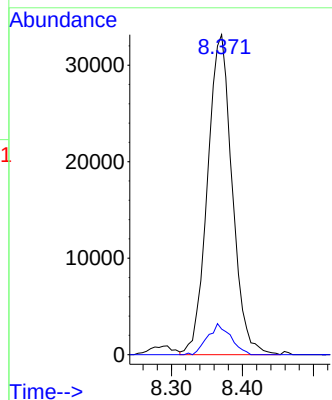
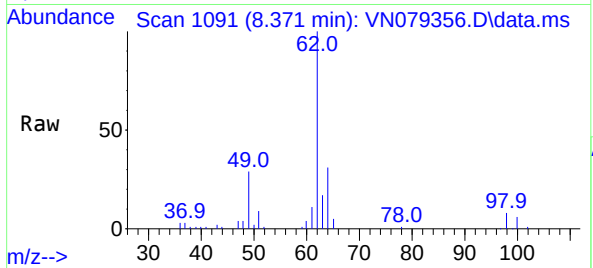




#36
1,2-Dichloroethane
Concen: 19.399 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.306 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

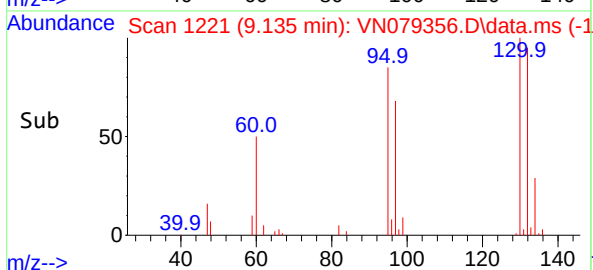
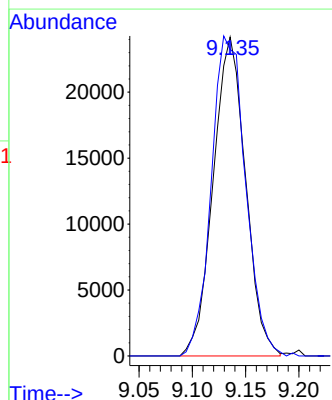
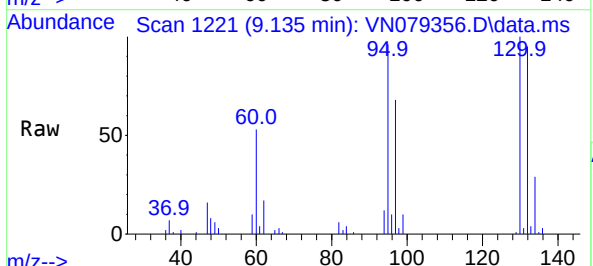
Instrument :
MSVOA_N
ClientSampleId :

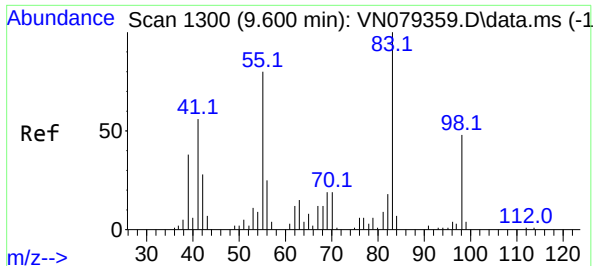
Tgt Ion: 62 Resp: 80015
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8



#37
Trichloroethene
Concen: 19.090 ug/l
RT: 9.135 min Scan# 1221
Delta R.T. -0.218 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion:130 Resp: 51091
Ion Ratio Lower Upper
130 100
95 96.1 81.2 121.8

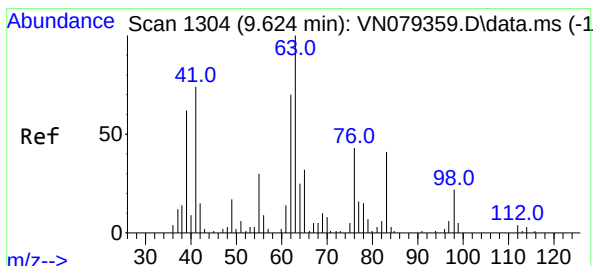
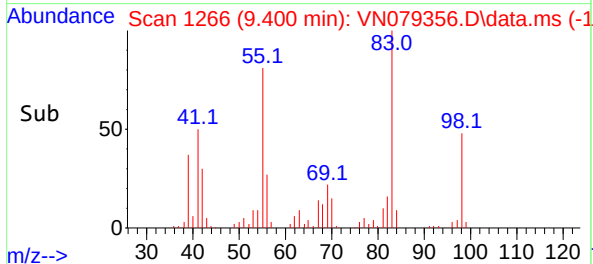
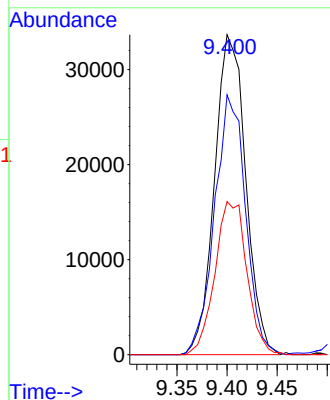
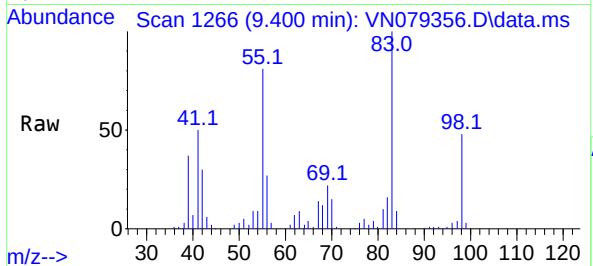




#38
Methylcyclohexane
Concen: 19.756 ug/l
RT: 9.400 min Scan# 11
Delta R.T. -0.200 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

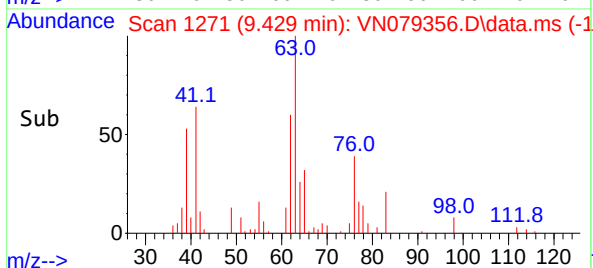
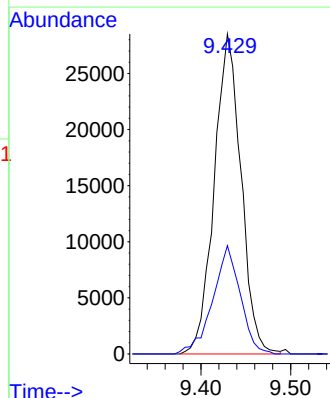
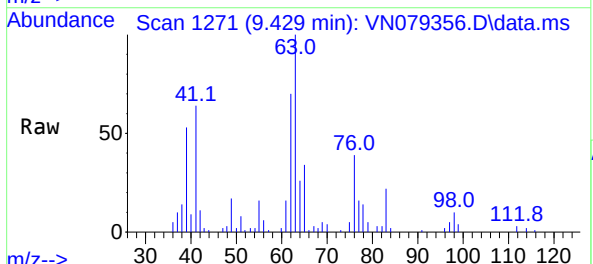
Instrument :
MSVOA_N
ClientSampleId :

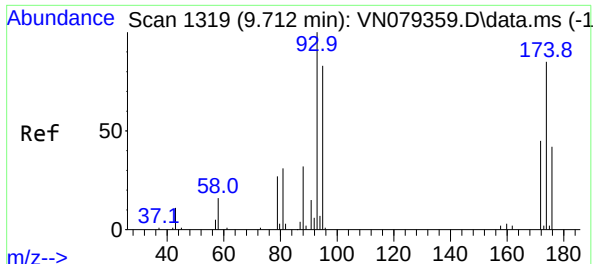
Tgt Ion: 83 Resp: 72819
Ion Ratio Lower Upper
83 100
55 80.8 39.7 119.1
98 49.1 24.4 73.2



#39
1,2-Dichloropropane
Concen: 19.570 ug/l
RT: 9.429 min Scan# 1271
Delta R.T. -0.194 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion: 63 Resp: 59156
Ion Ratio Lower Upper
63 100
65 33.9 25.3 37.9

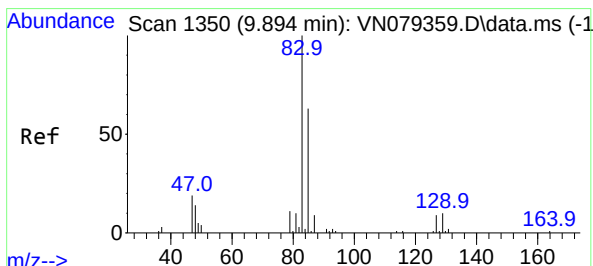
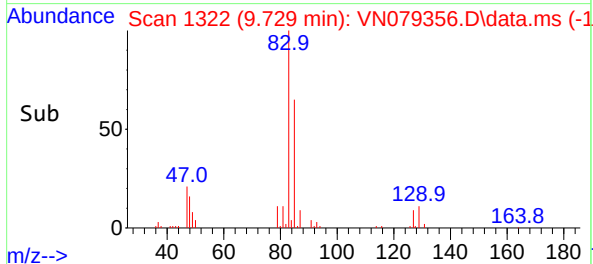
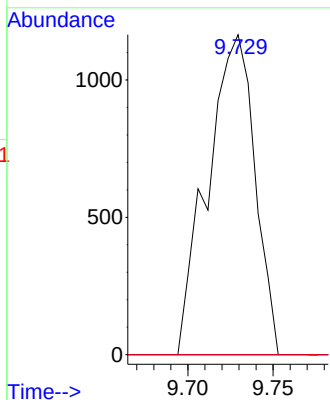
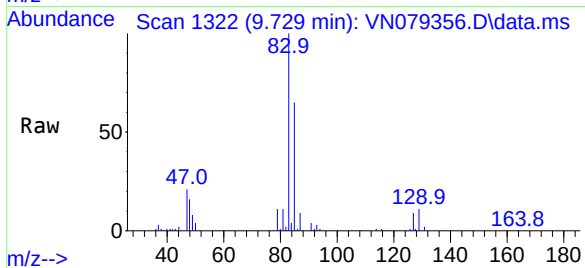




#40
Dibromomethane
Concen: 1.123 ug/l
RT: 9.729 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

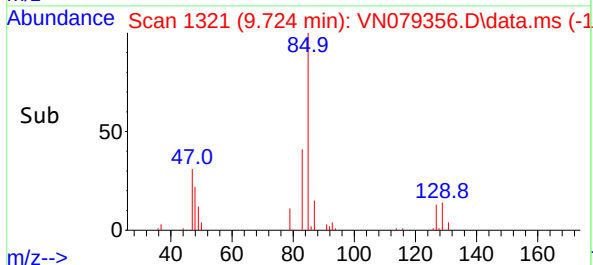
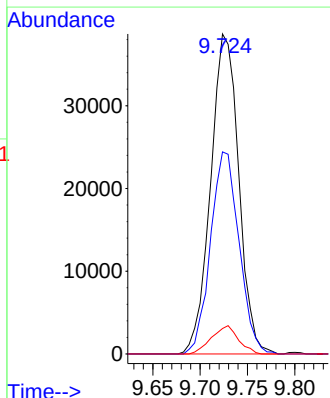
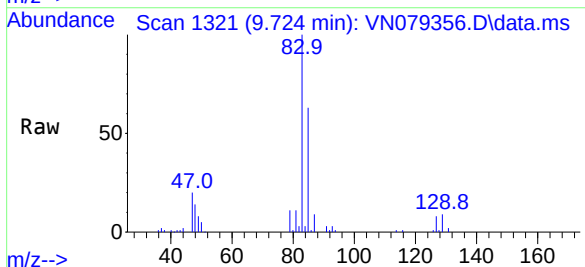
Instrument :
MSVOA_N
ClientSampleId :

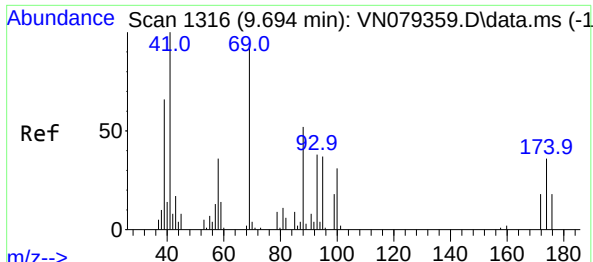
Tgt Ion: 93 Resp: 2248
Ion Ratio Lower Upper
93 100
95 5.3 0.0 166.6
174 6.2 0.0 171.0



#41
Bromodichloromethane
Concen: 19.593 ug/l
RT: 9.724 min Scan# 1321
Delta R.T. -0.171 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

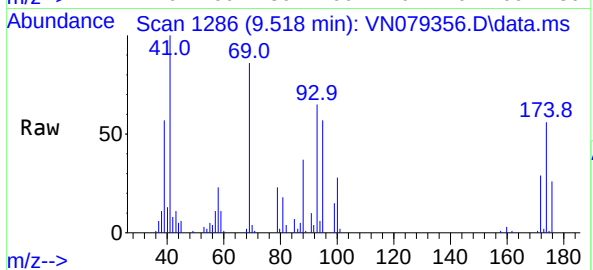
Tgt Ion: 83 Resp: 79832
Ion Ratio Lower Upper
83 100
85 63.2 50.3 75.5
127 8.0 6.8 10.2



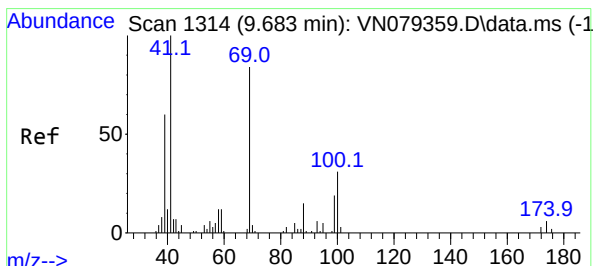
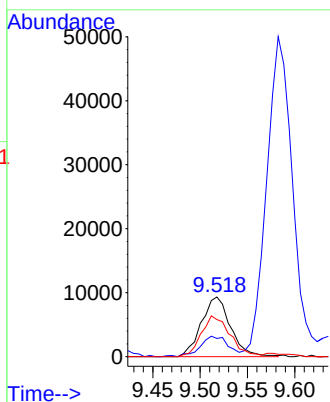
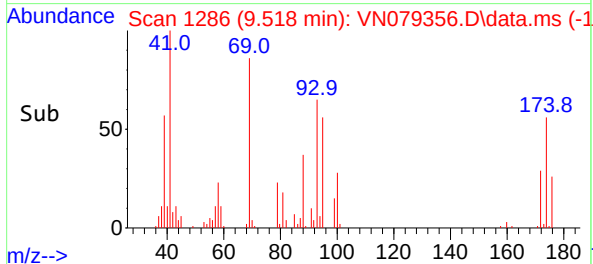


#45
1,4-Dioxane
Concen: 406.565 ug/l
RT: 9.518 min Scan# 1286
Delta R.T. -0.177 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

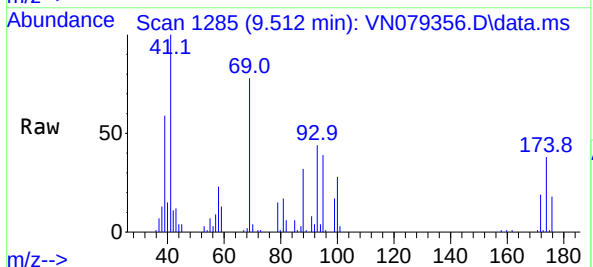
Instrument :
MSVOA_N
ClientSampleId :



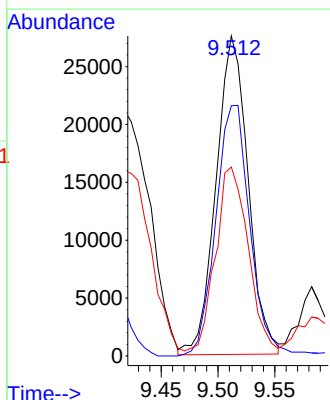
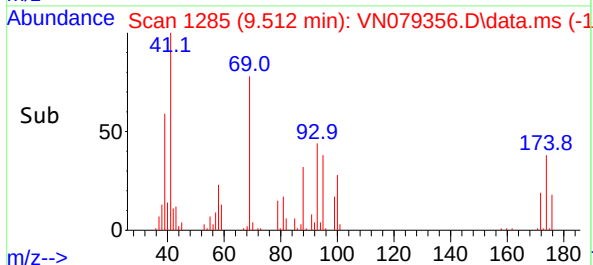
Tgt Ion: 88 Resp: 19972
Ion Ratio Lower Upper
88 100
43 32.4 28.7 43.1
58 67.6 56.9 85.3

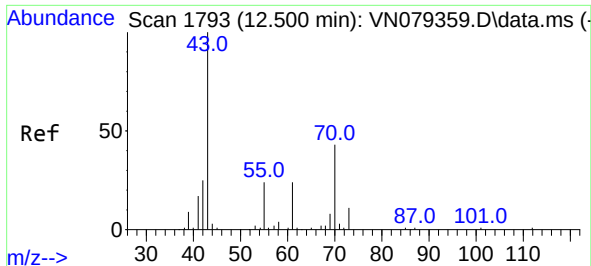


#46
Methyl methacrylate
Concen: 19.965 ug/l
RT: 9.512 min Scan# 1285
Delta R.T. -0.171 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13



Tgt Ion: 41 Resp: 54035
Ion Ratio Lower Upper
41 100
69 79.7 40.0 119.9
39 57.8 31.1 93.3

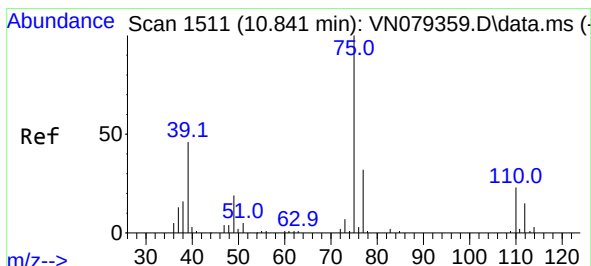
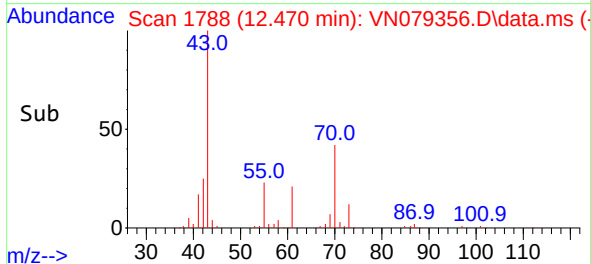
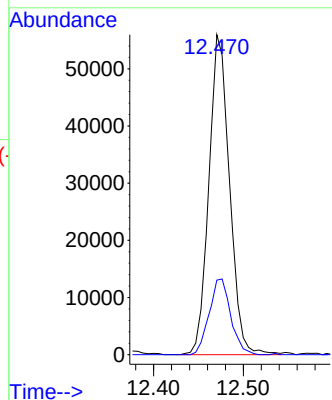
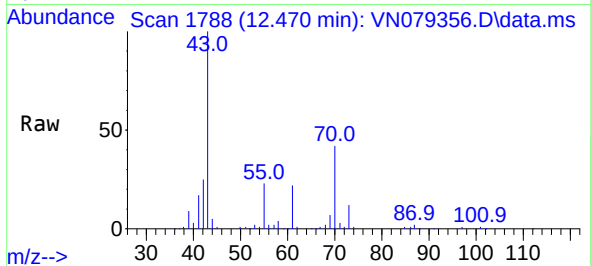




#47
n-amyl acetate
Concen: 21.127 ug/l
RT: 12.470 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

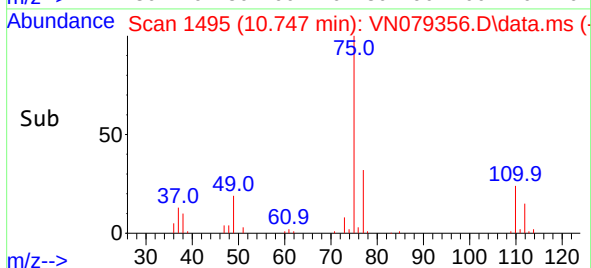
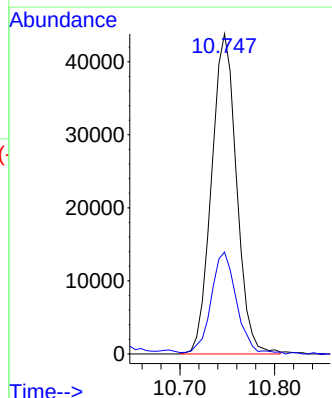
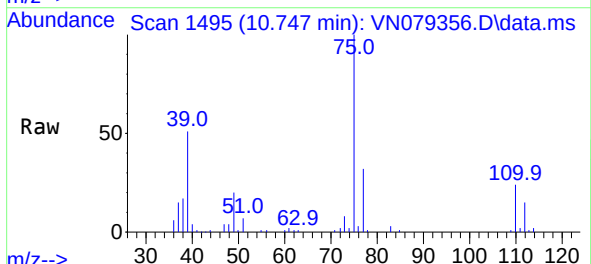
Instrument :
MSVOA_N
ClientSampleId :

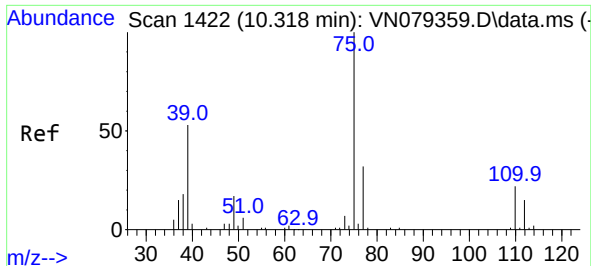
Tgt Ion: 43 Resp: 89531
Ion Ratio Lower Upper
43 100
55 24.6 20.7 31.1



#48
t-1,3-Dichloropropene
Concen: 19.460 ug/l
RT: 10.747 min Scan# 1495
Delta R.T. -0.094 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion: 75 Resp: 80538
Ion Ratio Lower Upper
75 100
77 31.4 25.6 38.4

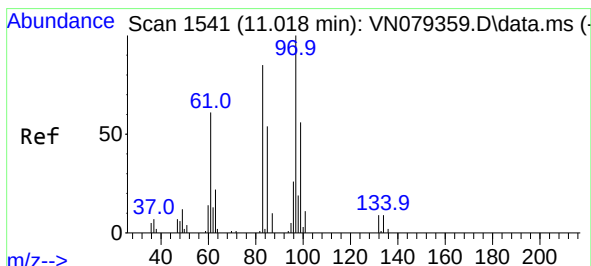
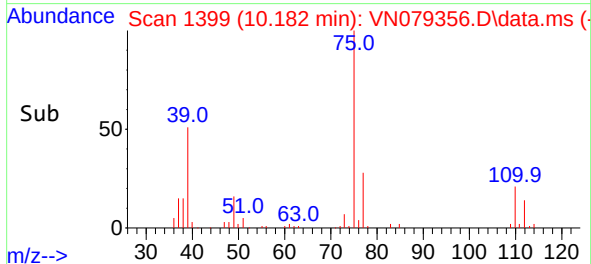
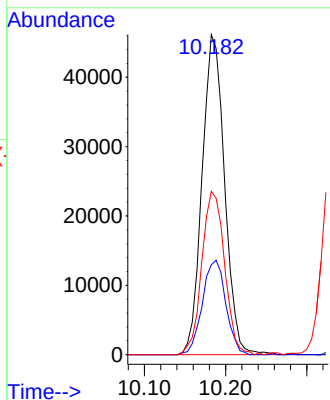
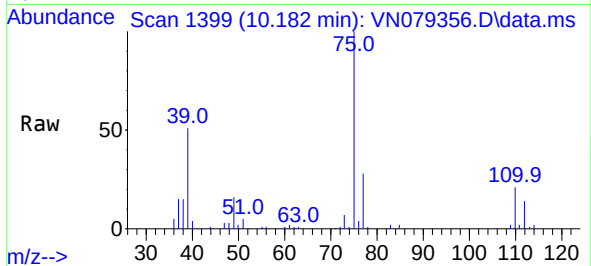




#49
 cis-1,3-Dichloropropene
 Concen: 20.003 ug/l
 RT: 10.182 min Scan# 11
 Delta R.T. -0.135 min
 Lab File: VN079356.D
 Acq: 27 Sep 2023 10:13

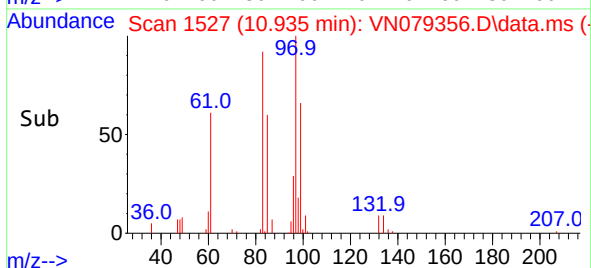
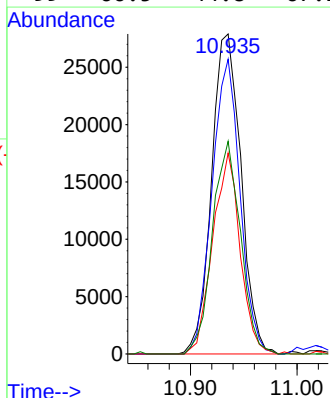
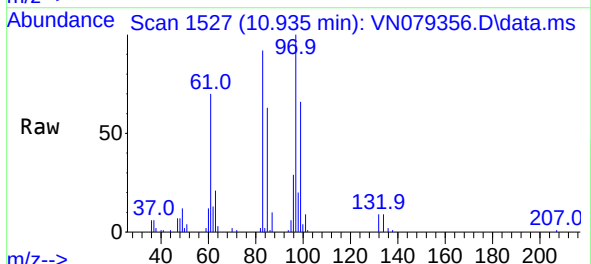
Instrument :
 MSVOA_N
 ClientSampleId :

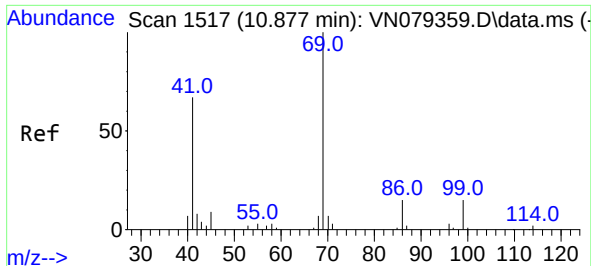
Tgt Ion: 75 Resp: 88829
 Ion Ratio Lower Upper
 75 100
 77 28.1 25.8 38.6
 39 51.1 42.4 63.6



#50
 1,1,2-Trichloroethane
 Concen: 19.577 ug/l
 RT: 10.935 min Scan# 1527
 Delta R.T. -0.083 min
 Lab File: VN079356.D
 Acq: 27 Sep 2023 10:13

Tgt Ion: 97 Resp: 53440
 Ion Ratio Lower Upper
 97 100
 83 92.1 68.2 102.4
 85 62.8 42.9 64.3
 99 66.5 44.8 67.2

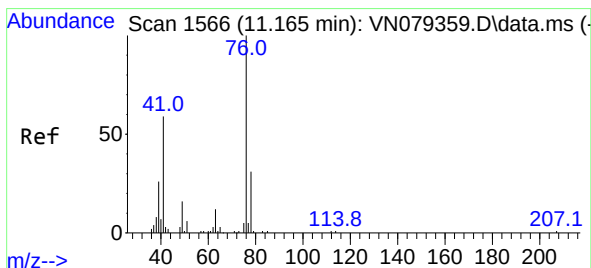
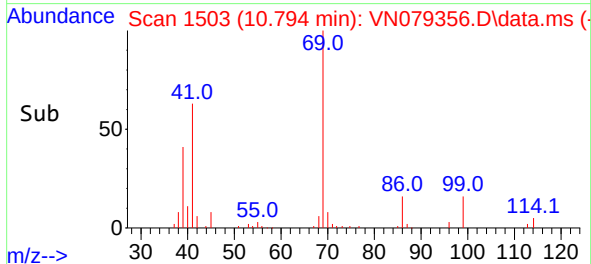
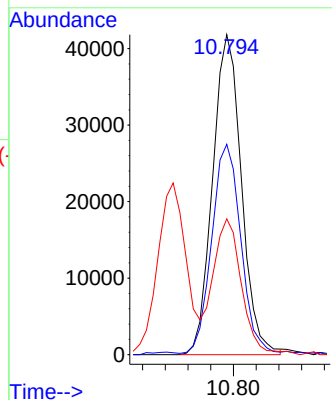
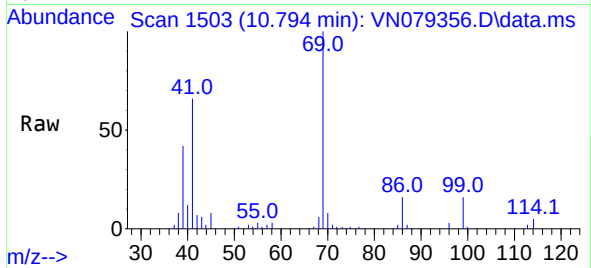




#51
Ethyl methacrylate
Concen: 19.856 ug/l
RT: 10.794 min Scan# 11
Delta R.T. -0.083 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

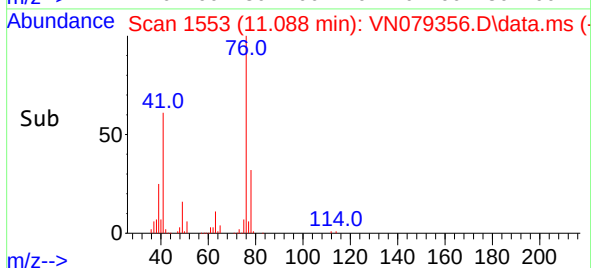
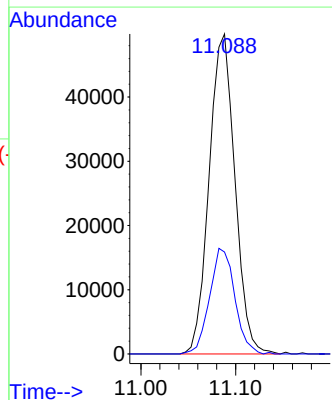
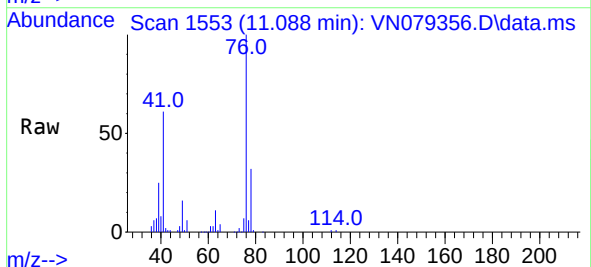
Instrument :
MSVOA_N
ClientSampleId :

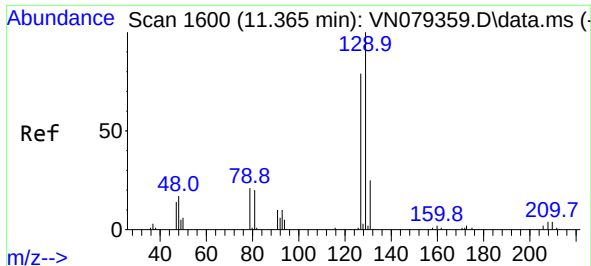
Tgt Ion: 69 Resp: 73677
Ion Ratio Lower Upper
69 100
41 65.4 33.8 101.3
39 41.5 21.3 63.9



#52
1,3-Dichloropropane
Concen: 19.349 ug/l
RT: 11.088 min Scan# 1553
Delta R.T. -0.077 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion: 76 Resp: 94213
Ion Ratio Lower Upper
76 100
78 32.2 0.0 64.0

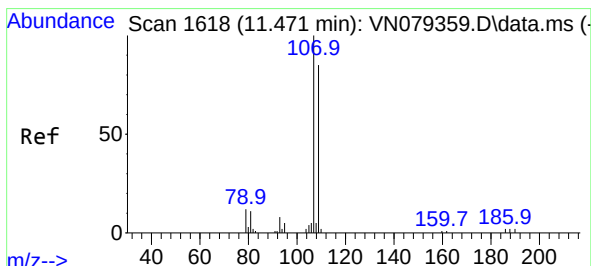
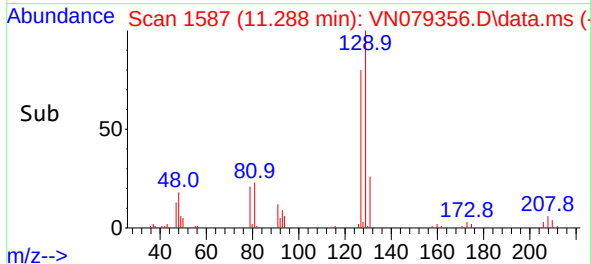
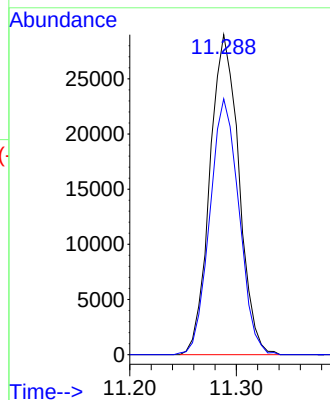
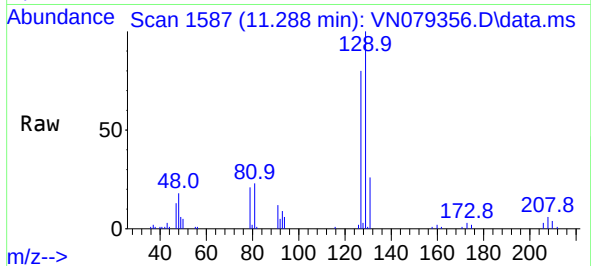




#53
Dibromochloromethane
Concen: 19.862 ug/l
RT: 11.288 min Scan# 11
Delta R.T. -0.077 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

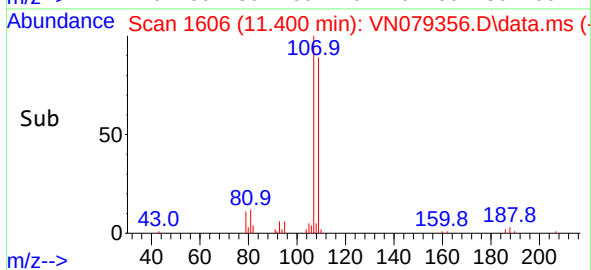
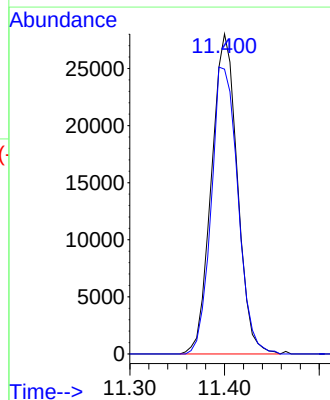
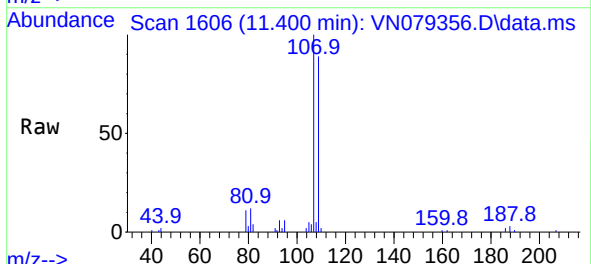
Instrument :
MSVOA_N
ClientSampleId :

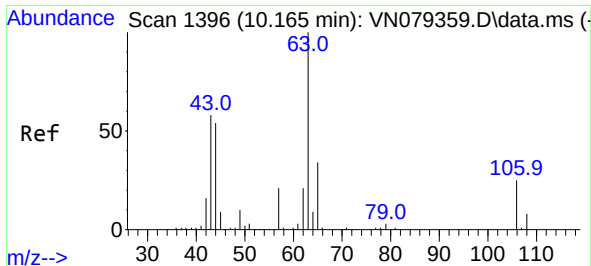
Tgt Ion:129 Resp: 54878
Ion Ratio Lower Upper
129 100
127 80.3 38.8 116.3



#54
1,2-Dibromoethane
Concen: 20.010 ug/l
RT: 11.400 min Scan# 1606
Delta R.T. -0.071 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion:107 Resp: 53269
Ion Ratio Lower Upper
107 100
109 92.1 73.2 109.8

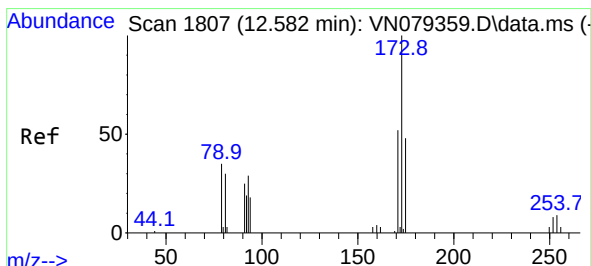
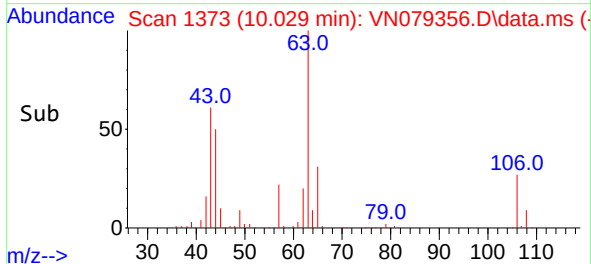
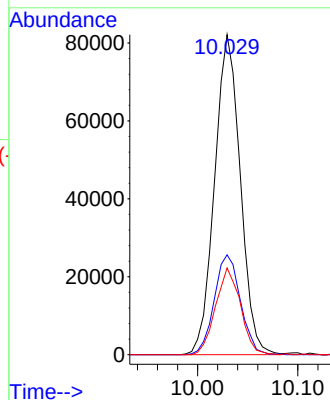
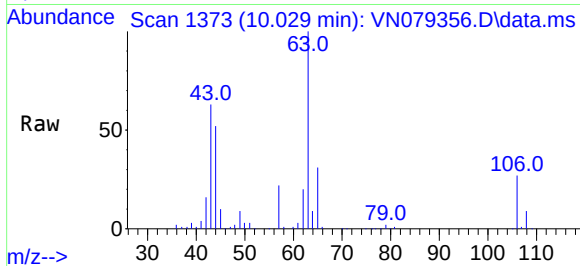




#55
2-Chloroethyl vinyl ether
Concen: 101.343 ug/l
RT: 10.029 min Scan# 11
Delta R.T. -0.135 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

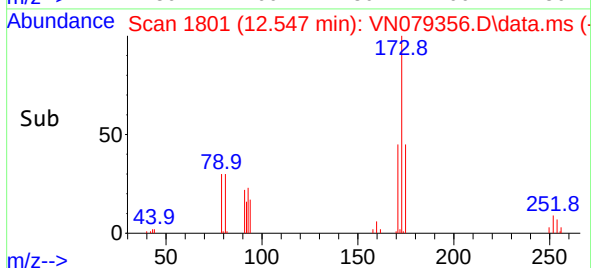
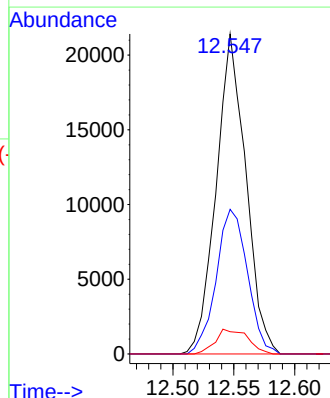
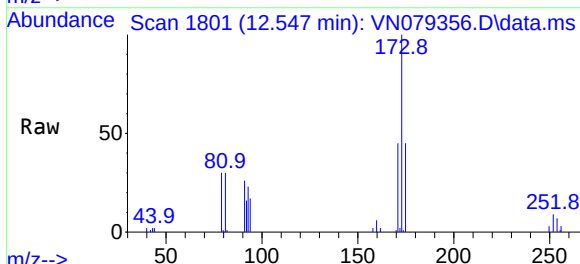
Instrument :
MSVOA_N
ClientSampleId :

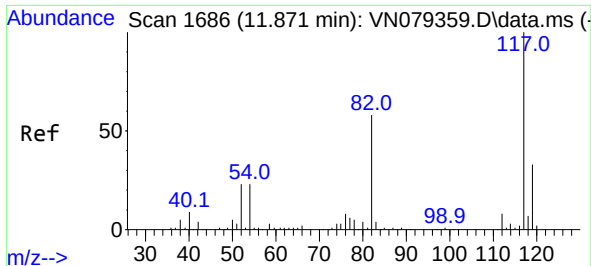
Tgt Ion: 63 Resp: 146185
Ion Ratio Lower Upper
63 100
65 31.8 25.9 38.9
106 26.2 20.6 30.8



#56
Bromoform
Concen: 20.618 ug/l
RT: 12.547 min Scan# 1801
Delta R.T. -0.035 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion:173 Resp: 36292
Ion Ratio Lower Upper
173 100
175 47.6 37.9 56.9
254 5.9 7.3 10.9#

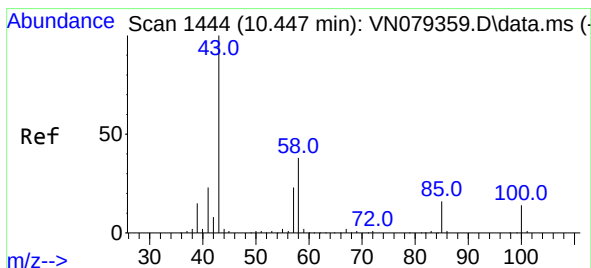
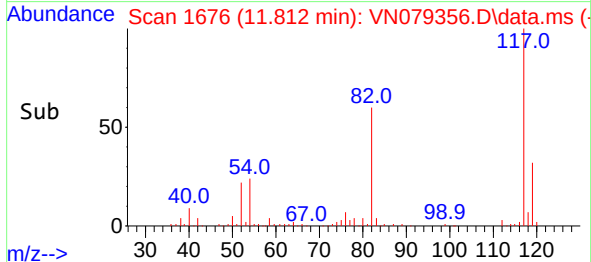
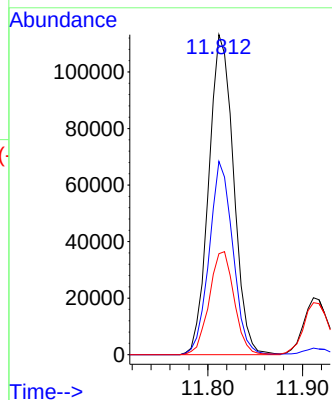
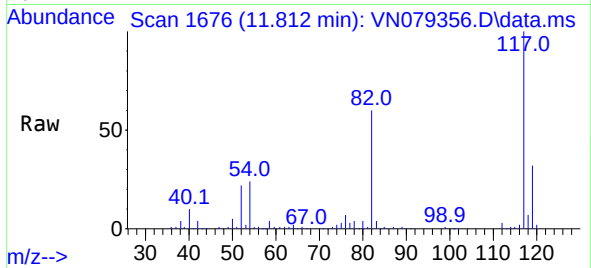




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.812 min Scan# 117
Delta R.T. -0.059 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

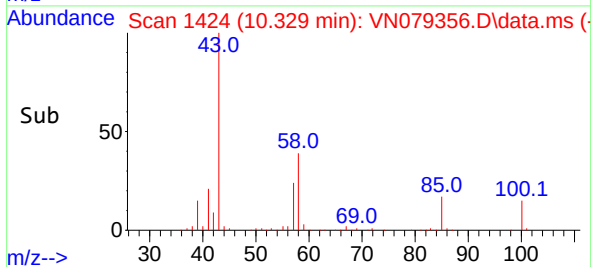
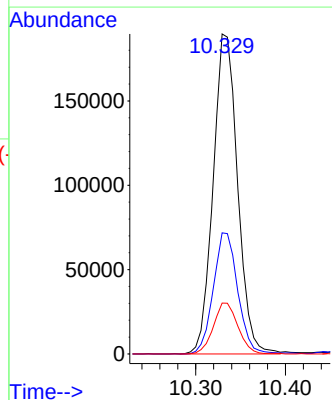
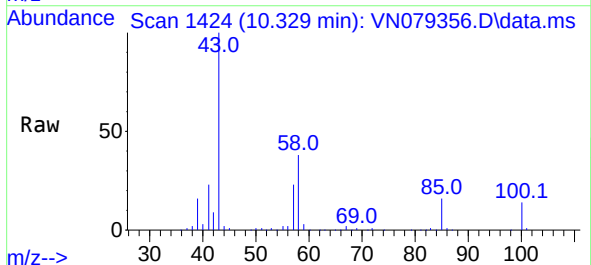
Instrument :
MSVOA_N
ClientSampleId :

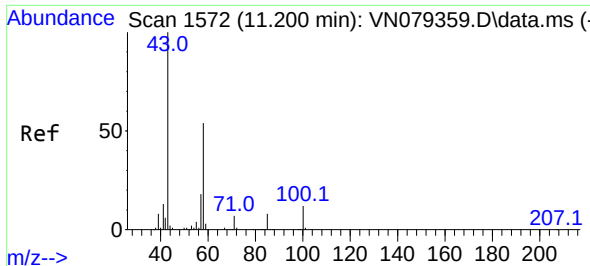
Tgt Ion:117 Resp: 206284
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.2
119 32.3 25.2 37.8



#58
4-Methyl-2-Pentanone
Concen: 97.247 ug/l
RT: 10.329 min Scan# 1424
Delta R.T. -0.118 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

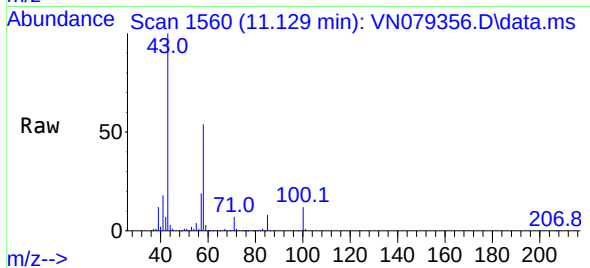
Tgt Ion: 43 Resp: 358998
Ion Ratio Lower Upper
43 100
58 37.8 30.4 45.6
85 16.0 13.2 19.8



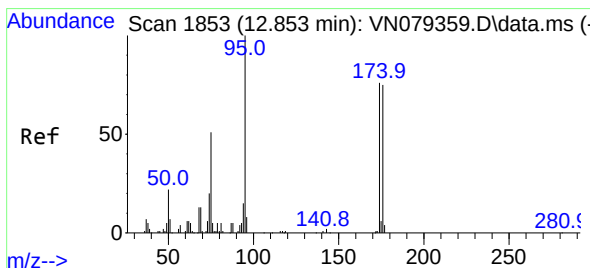
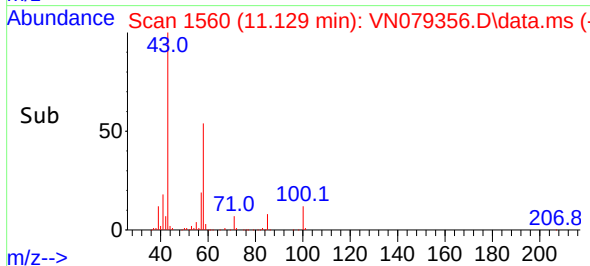
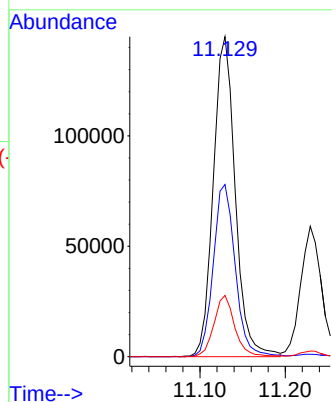


#59
2-Hexanone
Concen: 98.105 ug/l
RT: 11.129 min Scan# 111
Delta R.T. -0.071 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Instrument :
MSVOA_N
ClientSampleId :

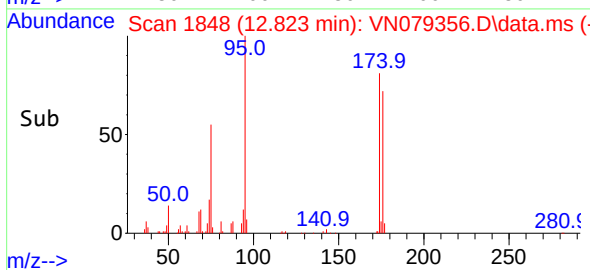
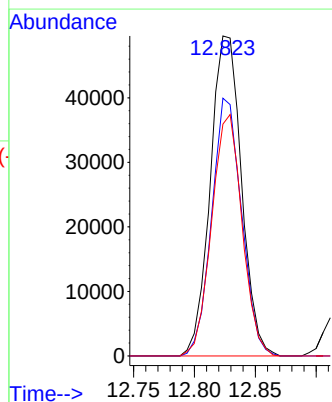
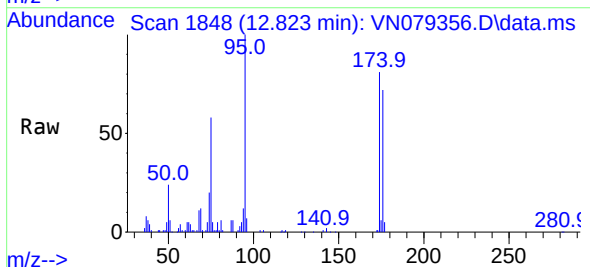


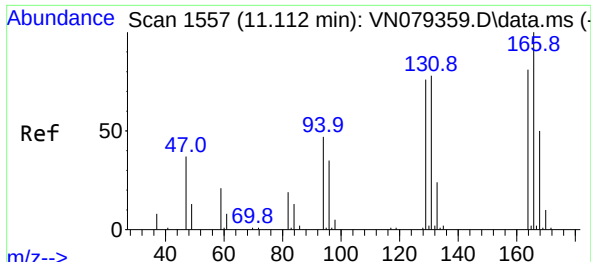
Tgt Ion: 43 Resp: 259106
Ion Ratio Lower Upper
43 100
58 53.8 42.3 63.5
57 18.2 13.9 20.9



#60
4-Bromofluorobenzene
Concen: 30.047 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.030 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

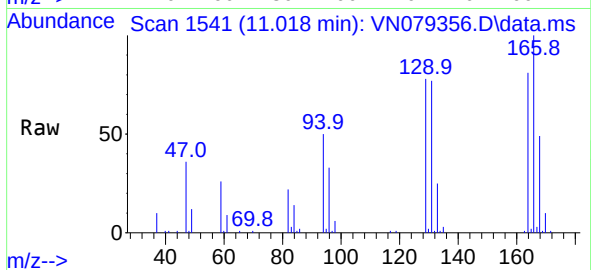
Tgt Ion: 95 Resp: 88348
Ion Ratio Lower Upper
95 100
174 77.2 60.5 90.7
176 73.6 57.2 85.8



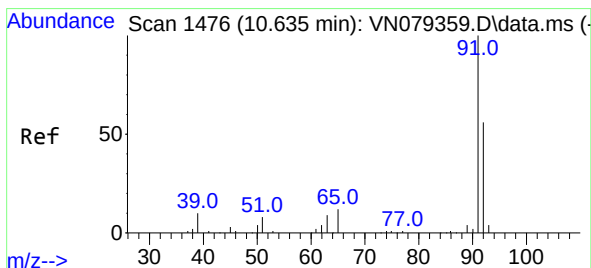
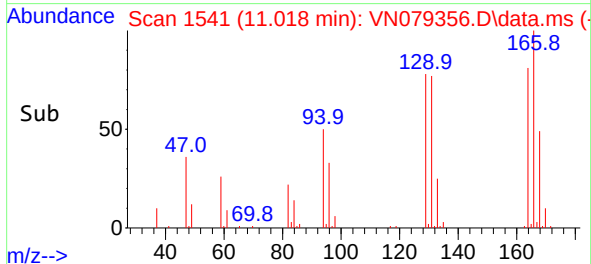
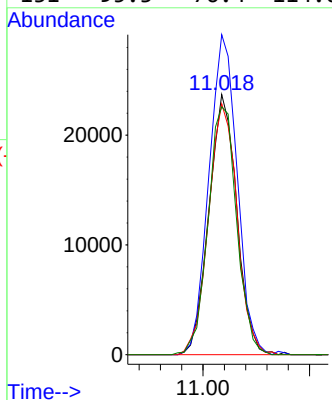


#61
Tetrachloroethene
Concen: 18.730 ug/l
RT: 11.018 min Scan# 11
Delta R.T. -0.094 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Instrument :
MSVOA_N
ClientSampleId :

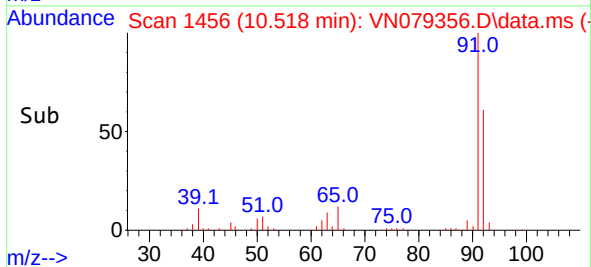
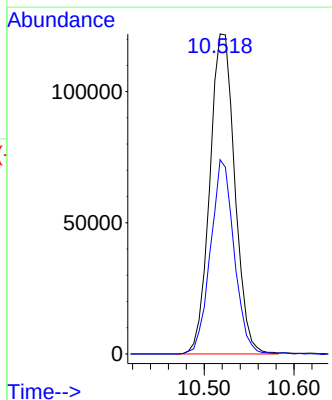
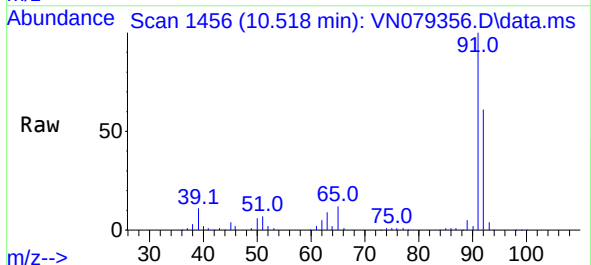


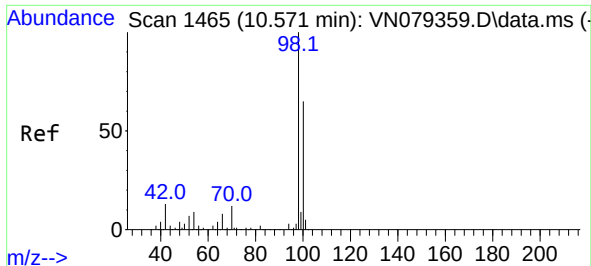
Tgt Ion:164 Resp: 43082
Ion Ratio Lower Upper
164 100
166 123.0 98.2 147.4
129 96.5 75.0 112.4
131 95.3 76.4 114.6



#62
Toluene
Concen: 19.067 ug/l
RT: 10.518 min Scan# 1456
Delta R.T. -0.118 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion: 91 Resp: 235622
Ion Ratio Lower Upper
91 100
92 57.3 45.3 67.9

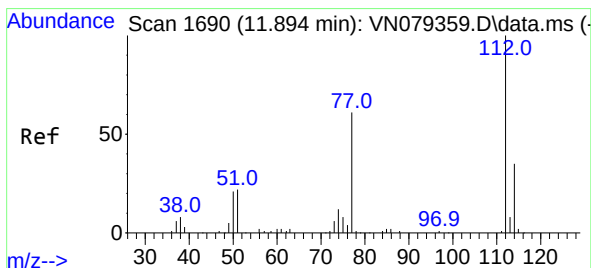
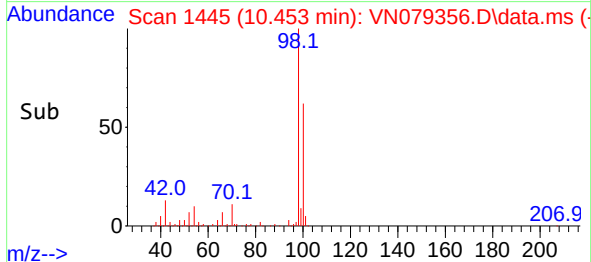
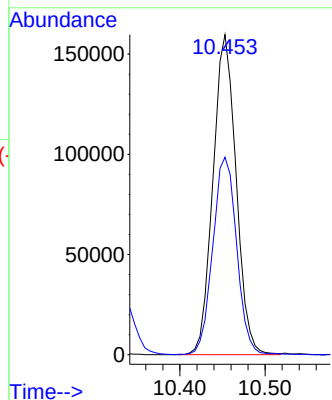
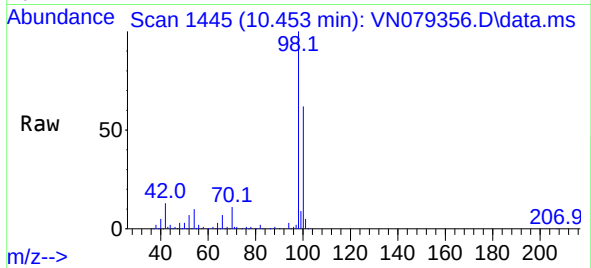




#63
Toluene-d8
Concen: 29.755 ug/l
RT: 10.453 min Scan# 1465
Delta R.T. -0.118 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

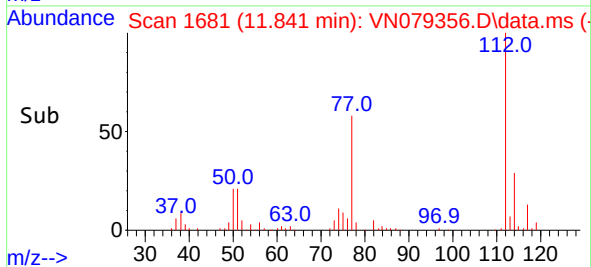
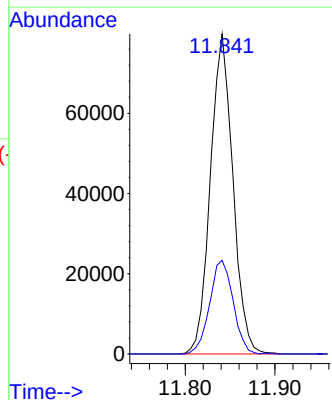
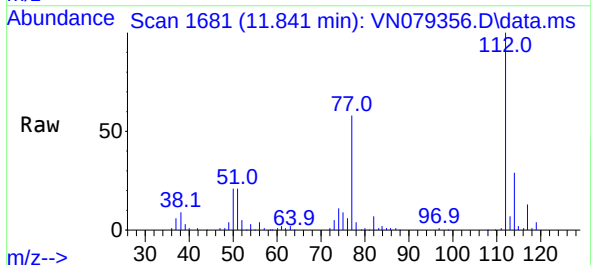
Instrument :
MSVOA_N
ClientSampleId :

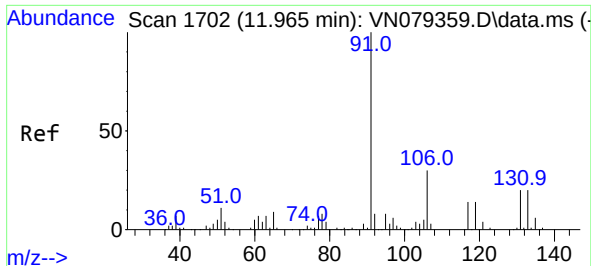
Tgt Ion: 98 Resp: 301565
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4



#64
Chlorobenzene
Concen: 19.585 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.053 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion: 112 Resp: 138902
Ion Ratio Lower Upper
112 100
114 29.2 28.1 42.1

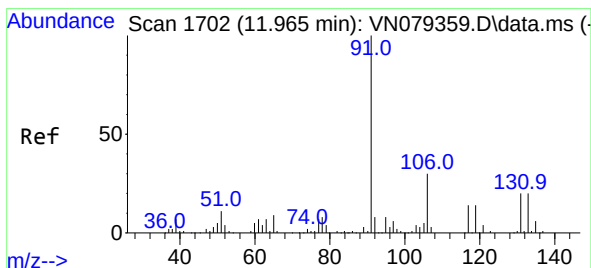
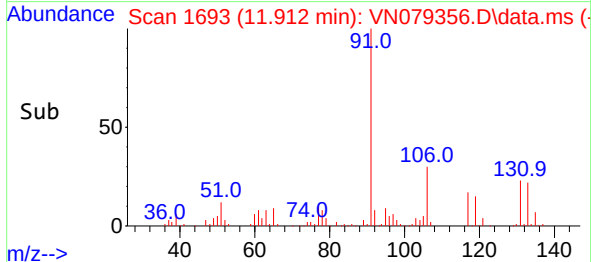
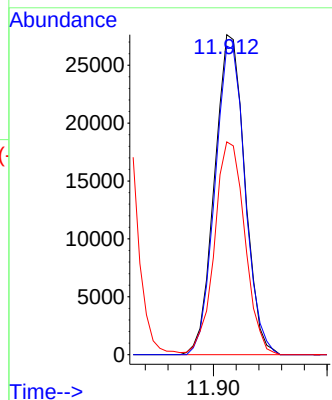
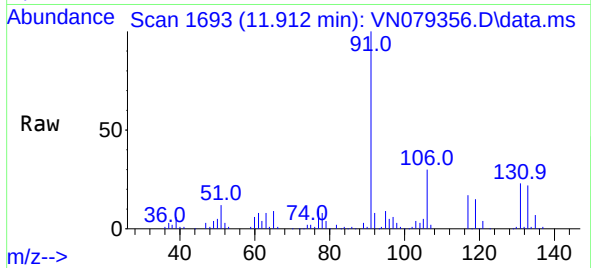




#65
1,1,1,2-Tetrachloroethane
Concen: 19.220 ug/l
RT: 11.912 min Scan# 1693
Delta R.T. -0.053 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

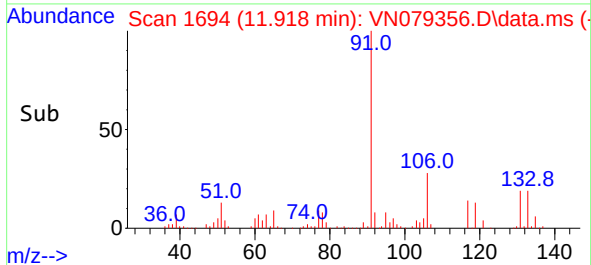
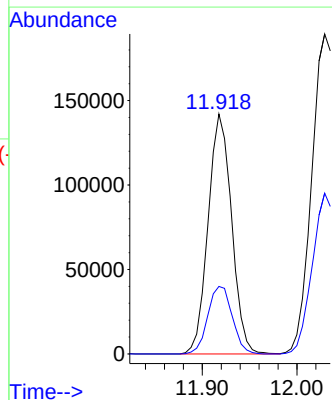
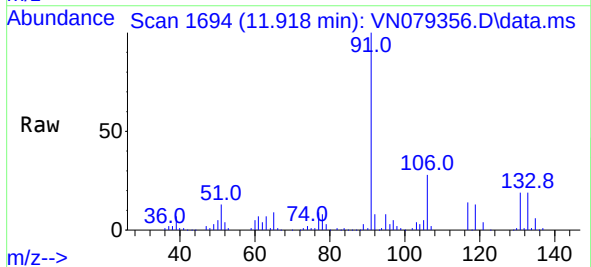
Instrument :
MSVOA_N
ClientSampleId :

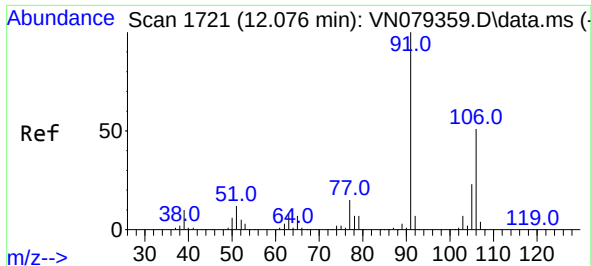
Tgt Ion:131 Resp: 50988
Ion Ratio Lower Upper
131 100
133 96.4 0.0 196.0
119 67.1 0.0 135.6



#66
Ethyl Benzene
Concen: 19.597 ug/l
RT: 11.918 min Scan# 1694
Delta R.T. -0.047 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion: 91 Resp: 244939
Ion Ratio Lower Upper
91 100
106 28.1 23.8 35.8

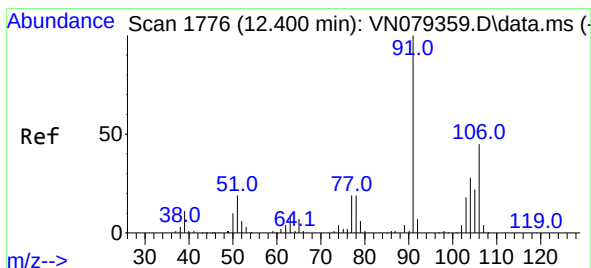
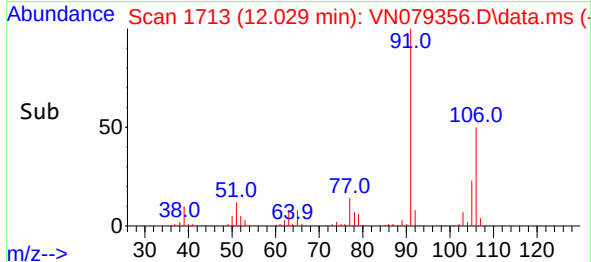
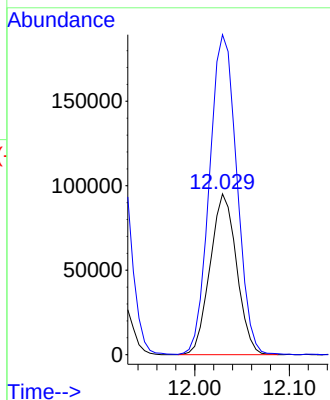
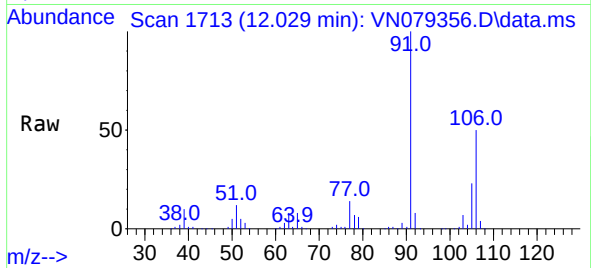




#67
m/p-Xylenes
Concen: 40.162 ug/l
RT: 12.029 min Scan# 1713
Delta R.T. -0.047 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

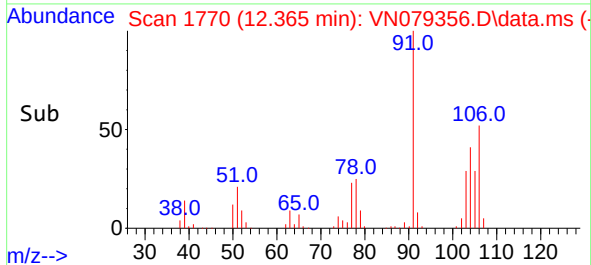
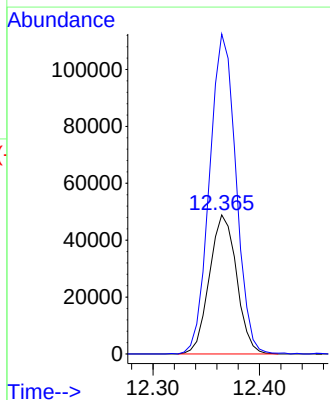
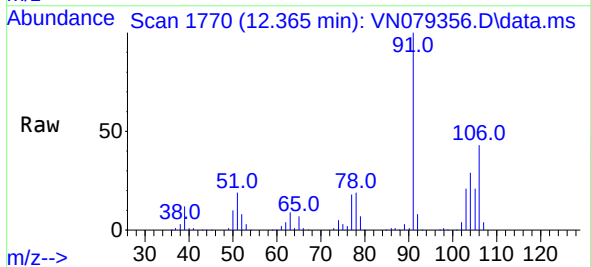
Instrument :
MSVOA_N
ClientSampleId :

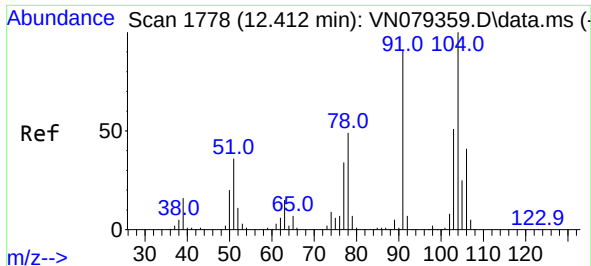
Tgt Ion:106 Resp: 185595
Ion Ratio Lower Upper
106 100
91 204.8 161.8 242.6



#68
o-Xylene
Concen: 19.468 ug/l
RT: 12.365 min Scan# 1770
Delta R.T. -0.035 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion:106 Resp: 86578
Ion Ratio Lower Upper
106 100
91 224.2 109.9 329.7

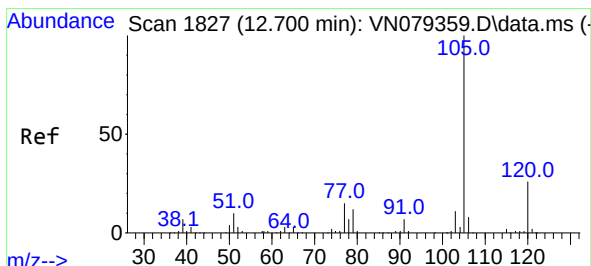
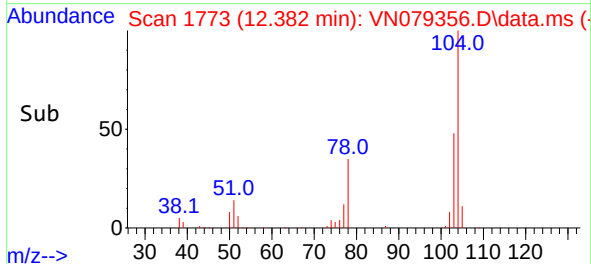
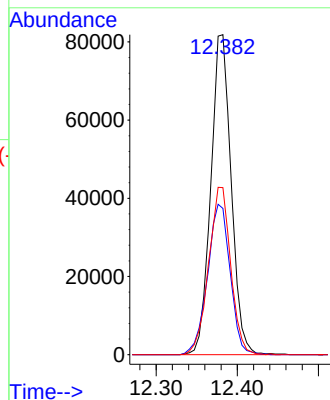
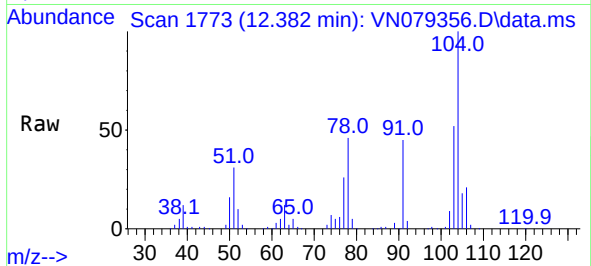




#69
Styrene
Concen: 20.400 ug/l
RT: 12.382 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

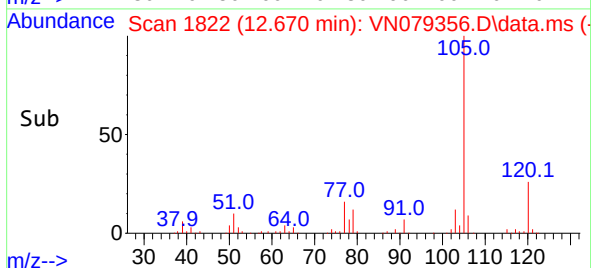
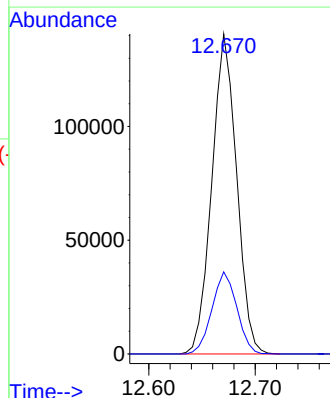
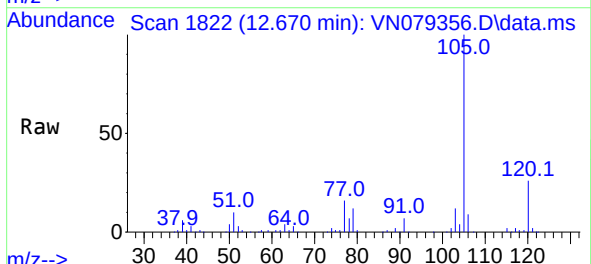
Instrument :
MSVOA_N
ClientSampleId :

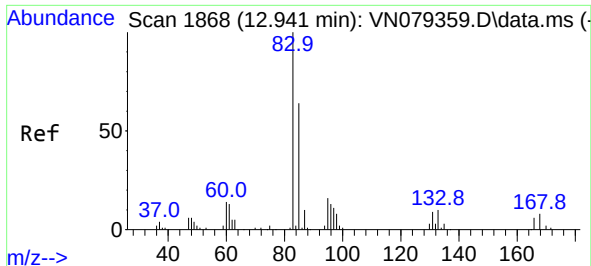
Tgt Ion:104 Resp: 142910
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 56.5 43.1 64.7



#70
Isopropylbenzene
Concen: 20.066 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. -0.030 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion:105 Resp: 227018
Ion Ratio Lower Upper
105 100
120 25.7 18.1 33.5

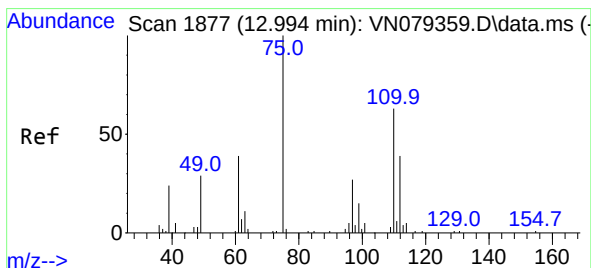
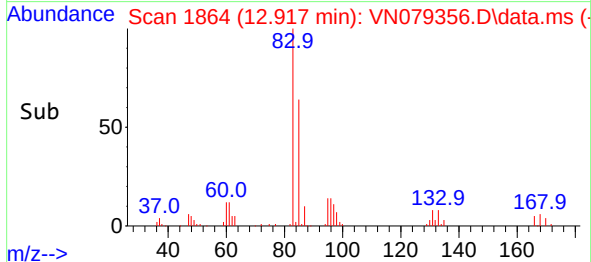
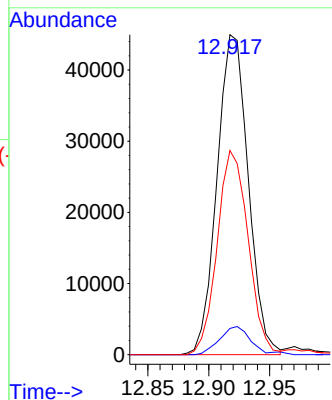
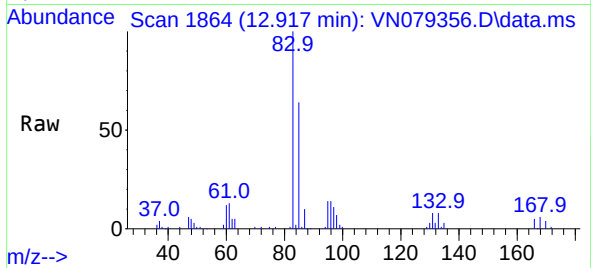




#71
1,1,2,2-Tetrachloroethane
Concen: 19.807 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. -0.024 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

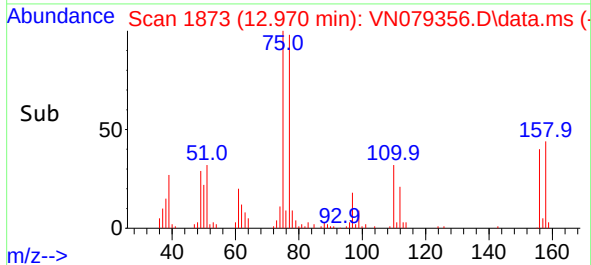
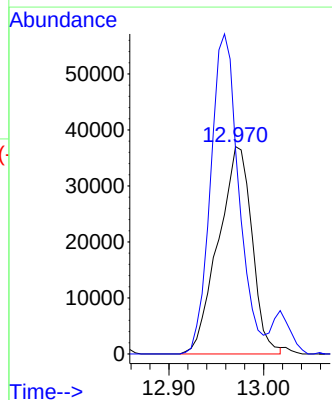
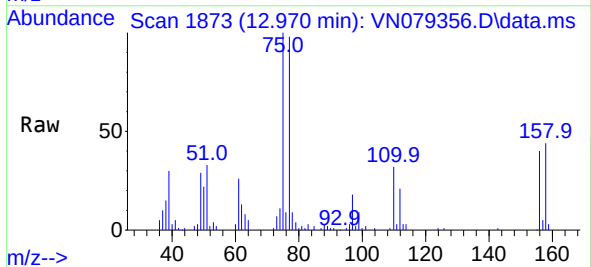
Instrument :
MSVOA_N
ClientSampleId :

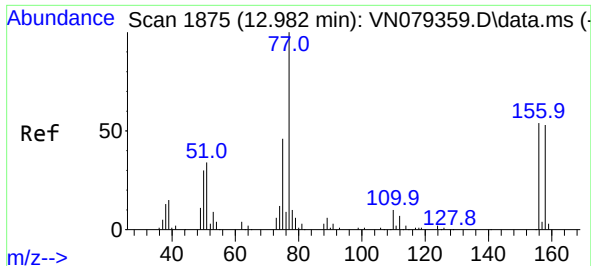
Tgt Ion: 83 Resp: 80287
Ion Ratio Lower Upper
83 100
131 8.4 4.5 13.4
85 63.2 32.1 96.3



#72
1,2,3-Trichloropropane
Concen: 22.169 ug/l
RT: 12.970 min Scan# 1873
Delta R.T. -0.024 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion: 75 Resp: 91452
Ion Ratio Lower Upper
75 100
77 128.9 0.0 338.2

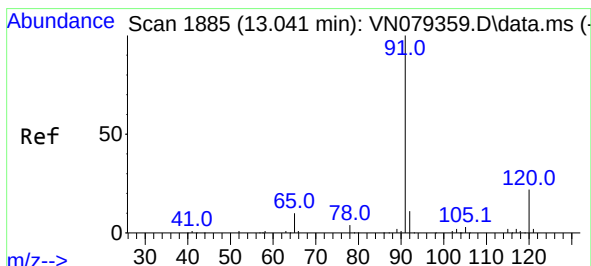
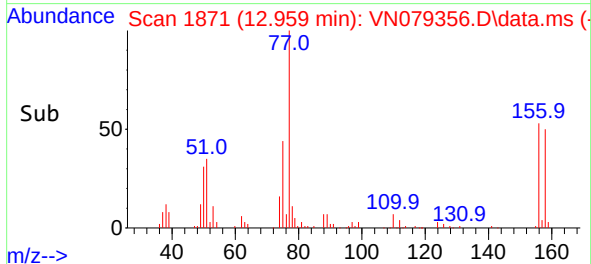
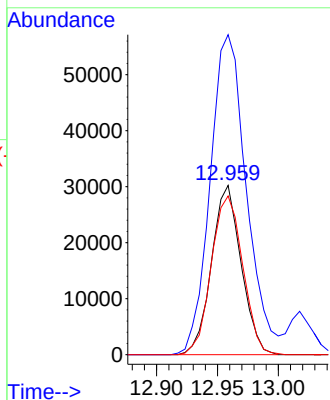
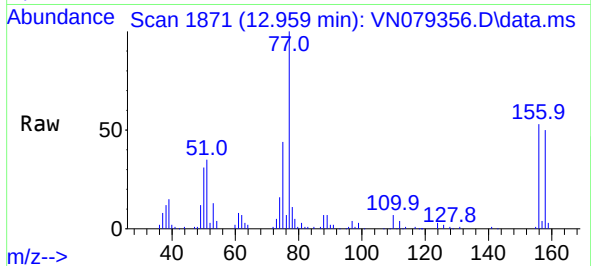




#73
Bromobenzene
Concen: 19.292 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.024 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

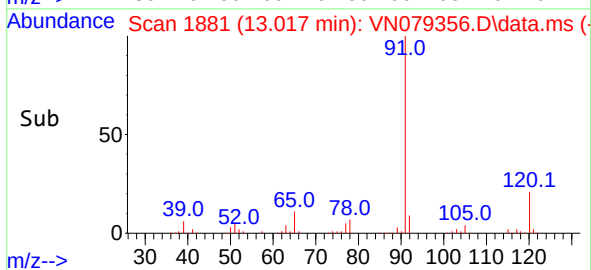
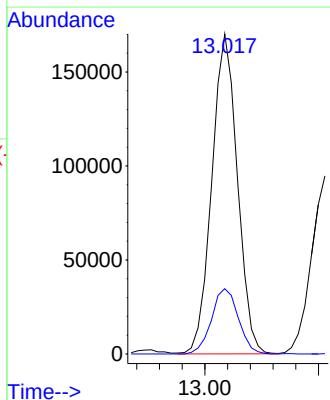
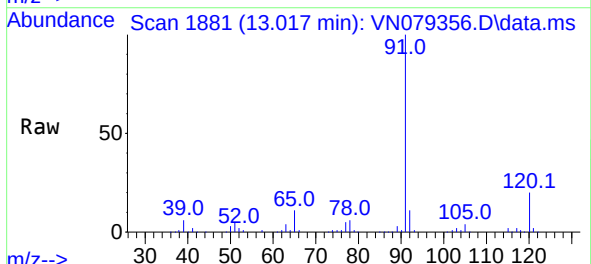
Instrument :
MSVOA_N
ClientSampleId :

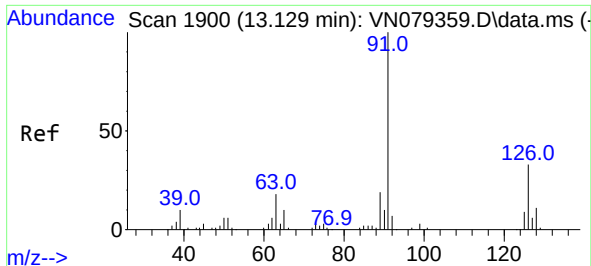
Tgt Ion:156 Resp: 51105
Ion Ratio Lower Upper
156 100
77 230.6 0.0 448.2
158 99.5 0.0 194.8



#74
n-propylbenzene
Concen: 19.853 ug/l
RT: 13.017 min Scan# 1881
Delta R.T. -0.024 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion: 91 Resp: 265887
Ion Ratio Lower Upper
91 100
120 21.4 0.0 42.0

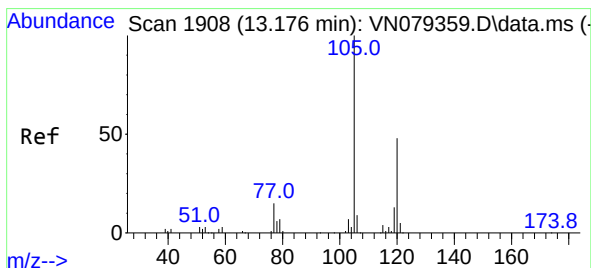
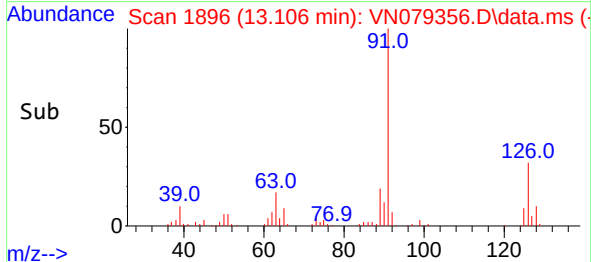
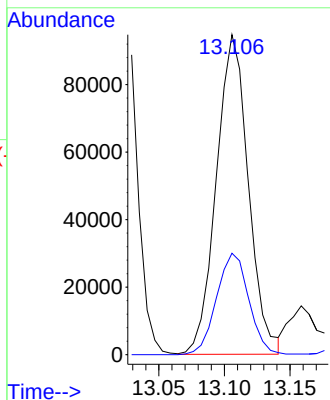
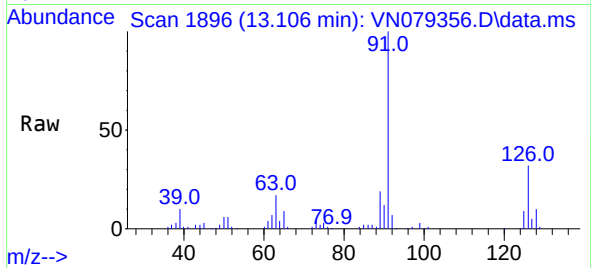




#75
2-Chlorotoluene
Concen: 19.682 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. -0.024 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

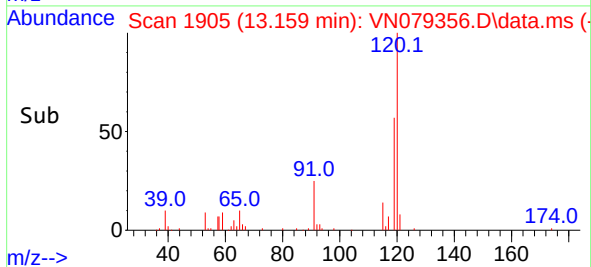
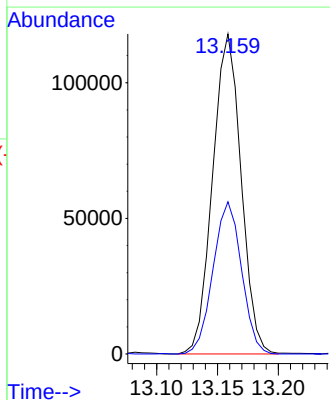
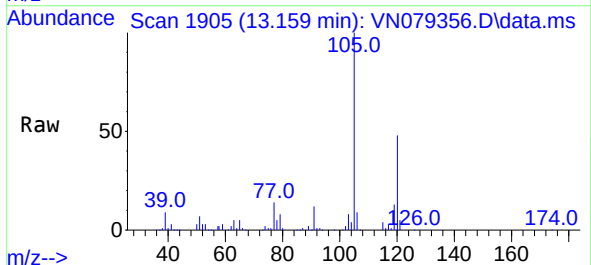
Instrument :
MSVOA_N
ClientSampleId :

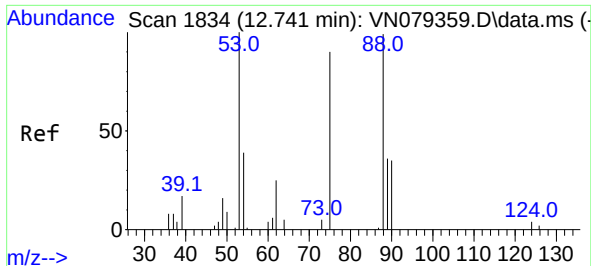
Tgt Ion: 91 Resp: 160965
Ion Ratio Lower Upper
91 100
126 31.9 0.0 64.6



#76
1,3,5-Trimethylbenzene
Concen: 20.397 ug/l
RT: 13.159 min Scan# 1905
Delta R.T. -0.018 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

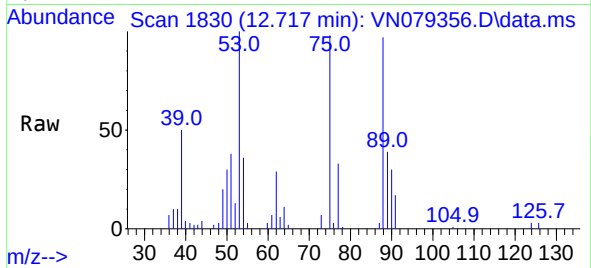
Tgt Ion:105 Resp: 191784
Ion Ratio Lower Upper
105 100
120 47.5 0.0 93.2



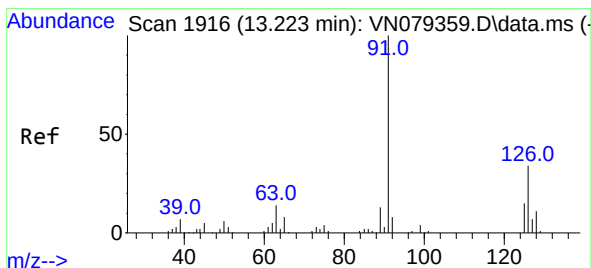
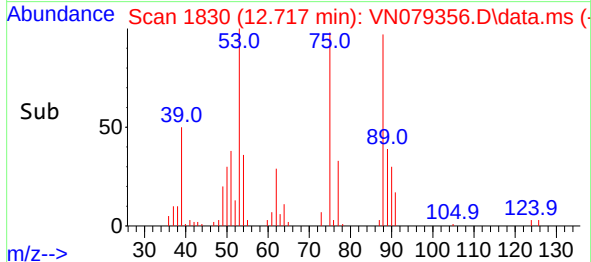
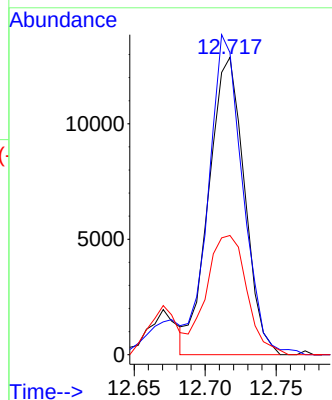


#77
t-1,4-Dichloro-2-butene
Concen: 20.893 ug/l
RT: 12.717 min Scan# 1830
Delta R.T. -0.024 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Instrument :
MSVOA_N
ClientSampleId :

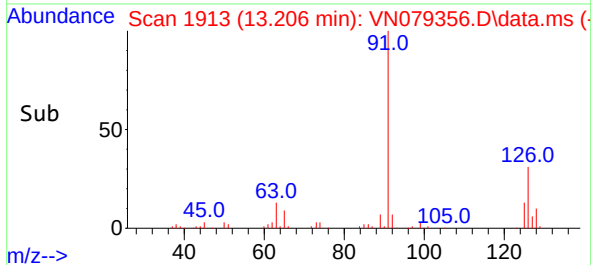
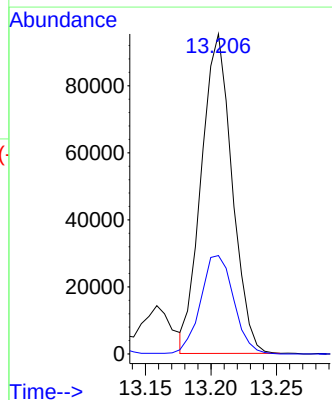
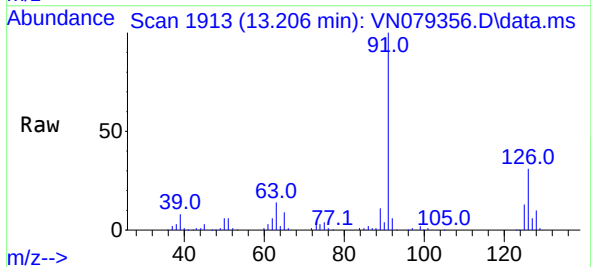


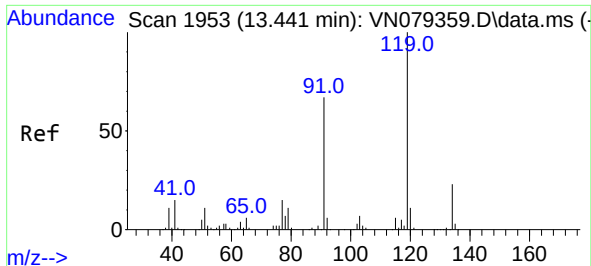
Tgt Ion: 75 Resp: 22445
Ion Ratio Lower Upper
75 100
53 99.9 53.0 159.1
89 38.6 22.6 67.7



#78
4-Chlorotoluene
Concen: 20.479 ug/l
RT: 13.206 min Scan# 1913
Delta R.T. -0.018 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion: 91 Resp: 155624
Ion Ratio Lower Upper
91 100
126 33.2 0.0 65.4





#79

tert-butylbenzene

Concen: 21.770 ug/l

RT: 13.429 min Scan# 1951

Delta R.T. -0.012 min

Lab File: VN079356.D

Acq: 27 Sep 2023 10:13

Instrument :

MSVOA_N

ClientSampleId :

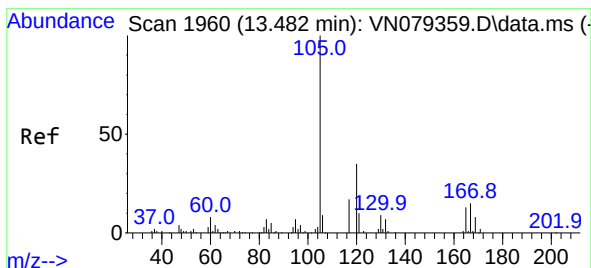
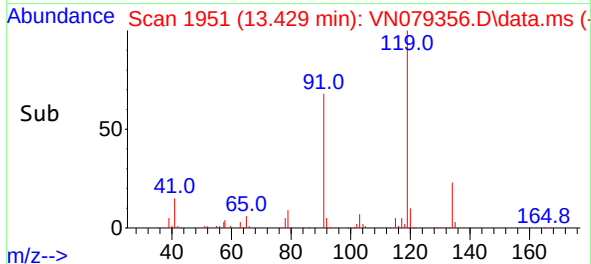
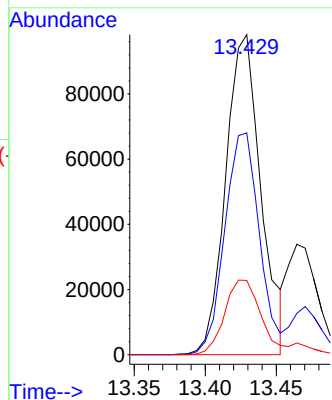
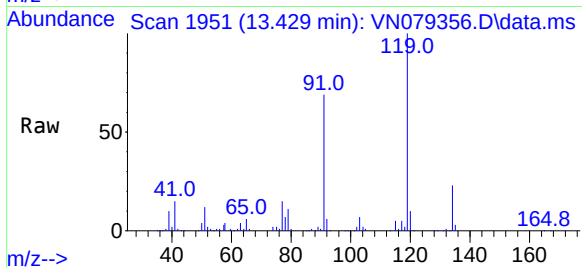
Tgt Ion:119 Resp: 169590

Ion Ratio Lower Upper

119 100

91 68.1 0.0 140.6

134 24.2 0.0 49.8



#80

1,2,4-Trimethylbenzene

Concen: 22.022 ug/l

RT: 13.470 min Scan# 1958

Delta R.T. -0.012 min

Lab File: VN079356.D

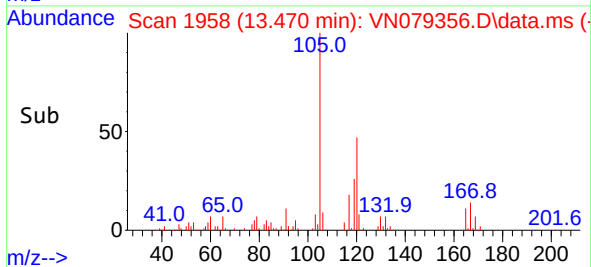
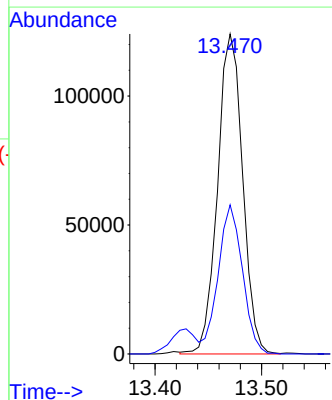
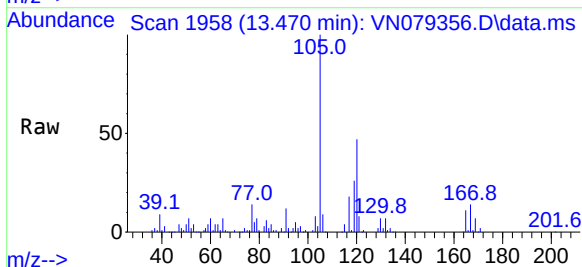
Acq: 27 Sep 2023 10:13

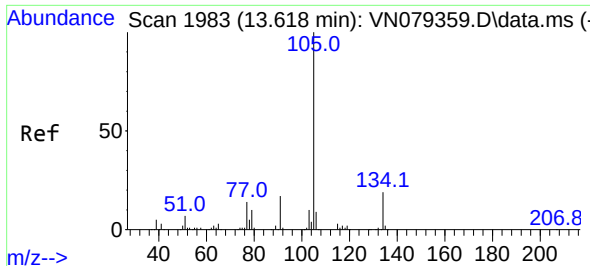
Tgt Ion:105 Resp: 202560

Ion Ratio Lower Upper

105 100

120 45.3 0.0 88.6

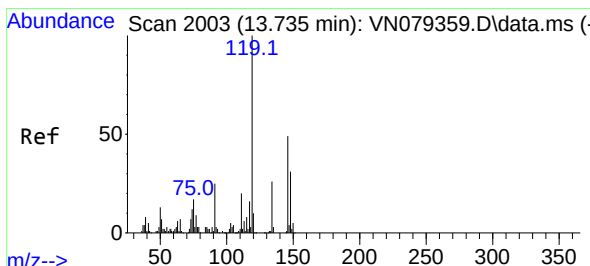
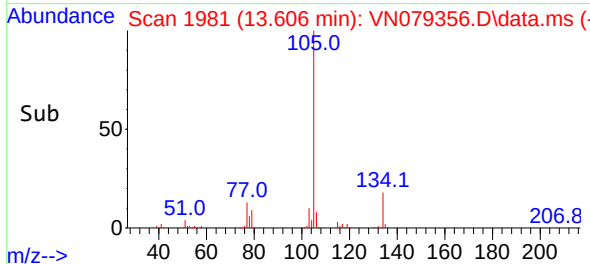
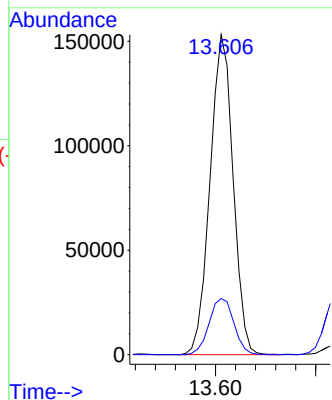
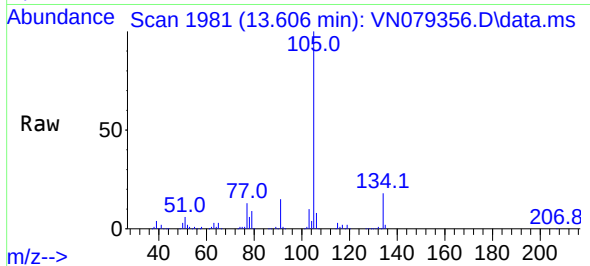




#81
 sec-Butylbenzene
 Concen: 21.888 ug/l
 RT: 13.606 min Scan# 1983
 Delta R.T. -0.012 min
 Lab File: VN079356.D
 Acq: 27 Sep 2023 10:13

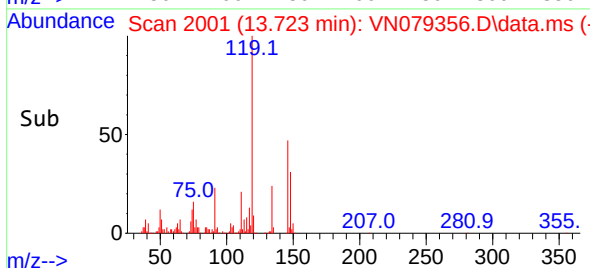
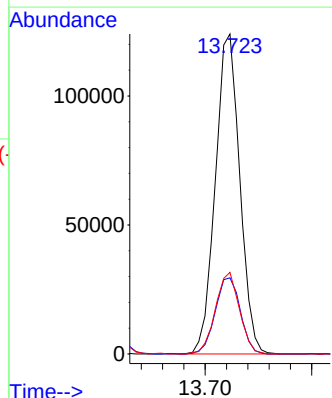
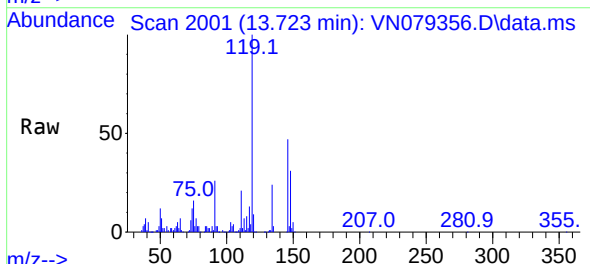
Instrument :
 MSVOA_N
 ClientSampleId :

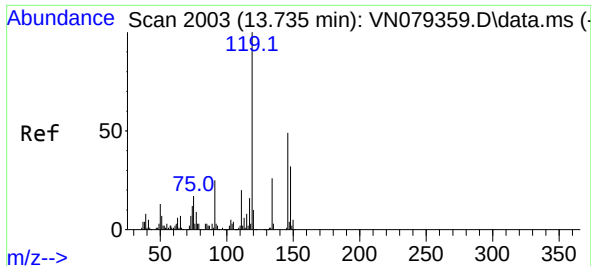
Tgt Ion:105 Resp: 244629
 Ion Ratio Lower Upper
 105 100
 134 18.9 0.0 38.2



#82
 p-Isopropyltoluene
 Concen: 22.267 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.012 min
 Lab File: VN079356.D
 Acq: 27 Sep 2023 10:13

Tgt Ion:119 Resp: 197292
 Ion Ratio Lower Upper
 119 100
 134 24.5 0.0 52.2
 91 25.0 0.0 50.0

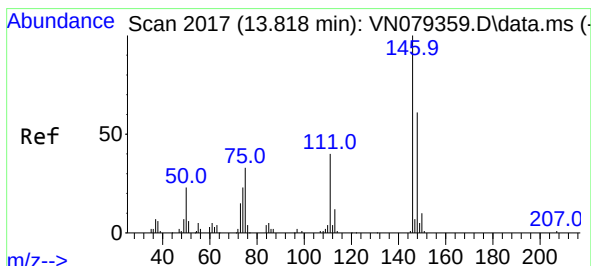
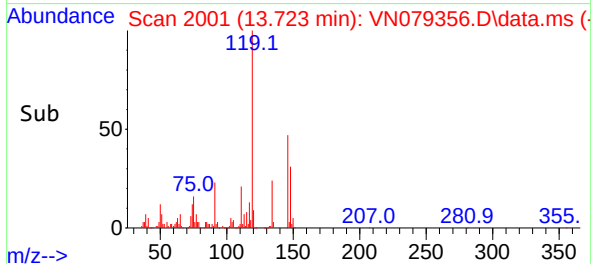
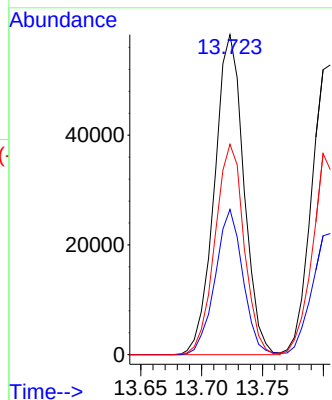
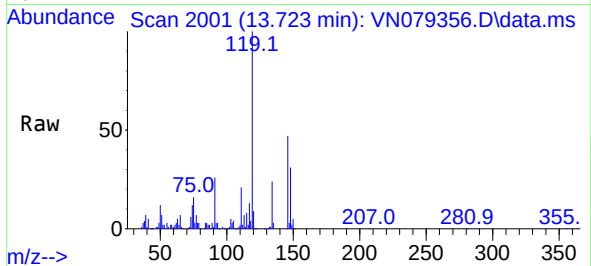




#83
1,3-Dichlorobenzene
Concen: 21.821 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.012 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

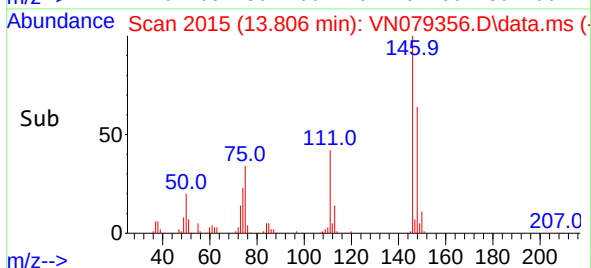
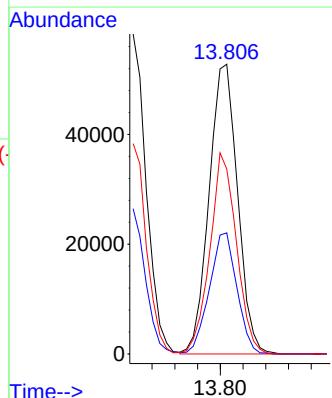
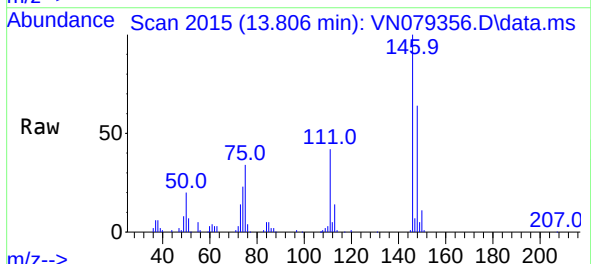
Instrument :
MSVOA_N
ClientSampleId :

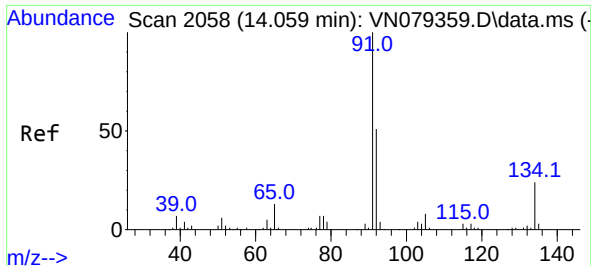
Tgt Ion:146 Resp: 97749
Ion Ratio Lower Upper
146 100
111 43.0 21.0 63.0
148 65.1 32.4 97.0



#84
1,4-Dichlorobenzene
Concen: 21.914 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.012 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion:146 Resp: 92006
Ion Ratio Lower Upper
146 100
111 40.4 19.9 59.7
148 64.7 32.6 97.7

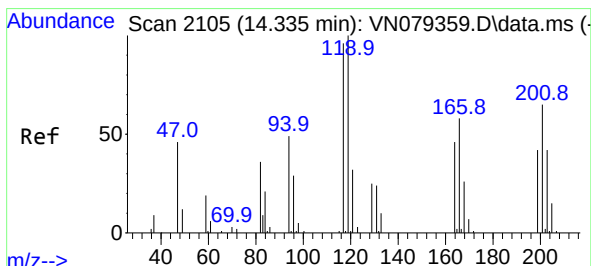
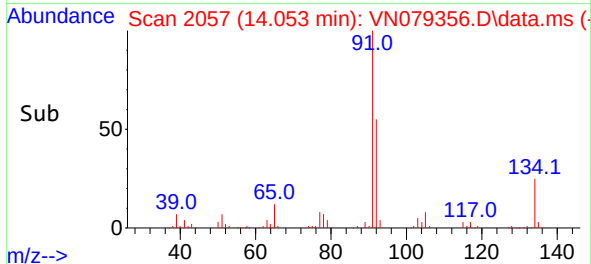
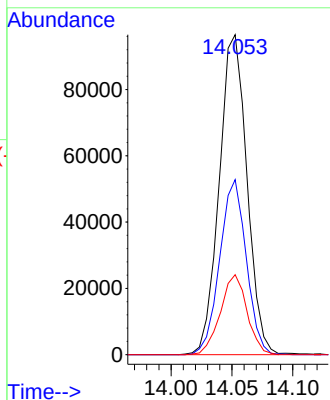
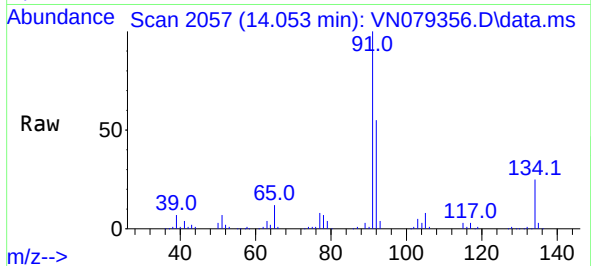




#85
n-Butylbenzene
Concen: 22.529 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

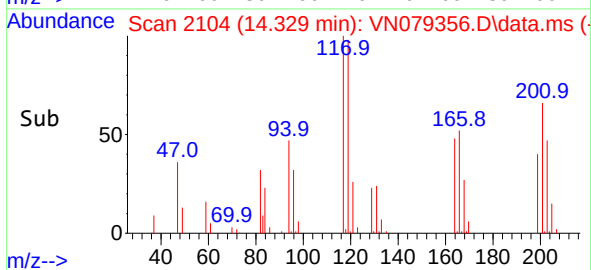
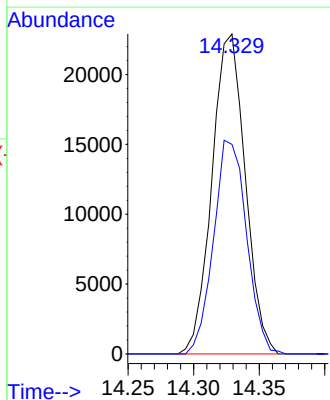
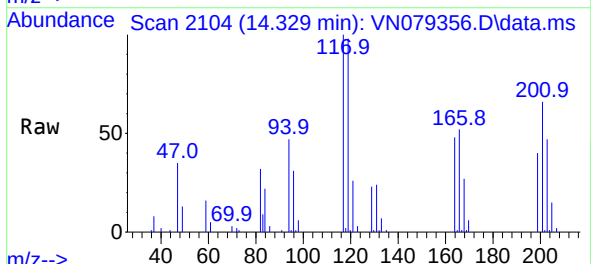
Instrument :
MSVOA_N
ClientSampleId :

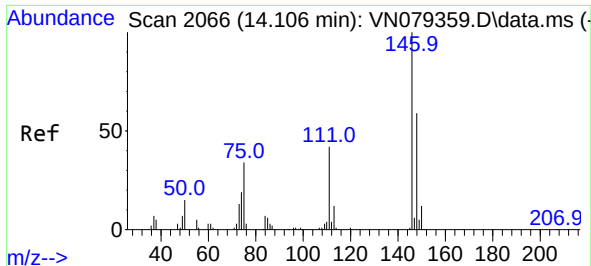
Tgt Ion: 91 Resp: 153046
Ion Ratio Lower Upper
91 100
92 52.4 0.0 99.6
134 24.1 0.0 46.2



#86
Hexachloroethane
Concen: 22.059 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion: 117 Resp: 40494
Ion Ratio Lower Upper
117 100
201 66.1 32.5 97.5





#87

1,2-Dichlorobenzene

Concen: 22.784 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

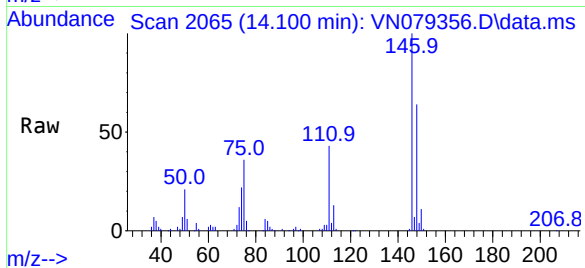
Lab File: VN079356.D

Acq: 27 Sep 2023 10:13

Instrument :

MSVOA_N

ClientSampleId :



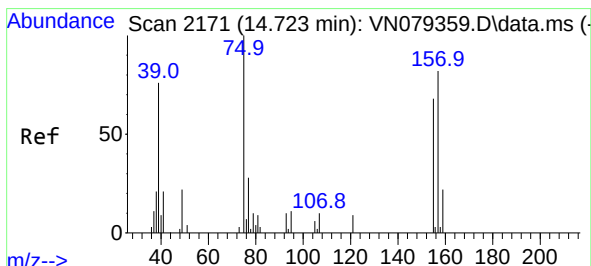
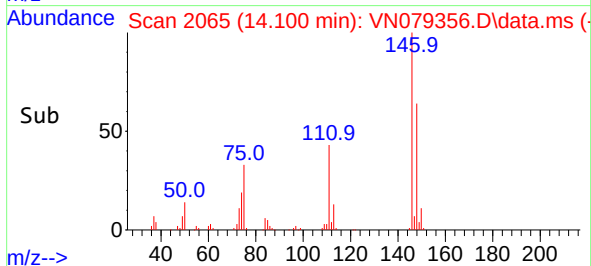
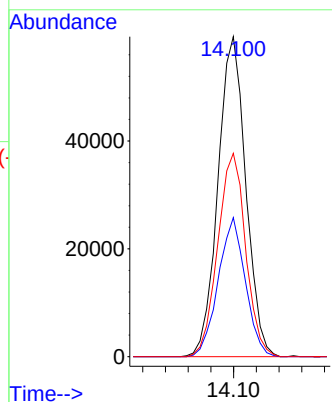
Tgt Ion:146 Resp: 100807

Ion Ratio Lower Upper

146 100

111 42.4 22.0 66.0

148 63.8 31.1 93.5



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.150 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.006 min

Lab File: VN079356.D

Acq: 27 Sep 2023 10:13

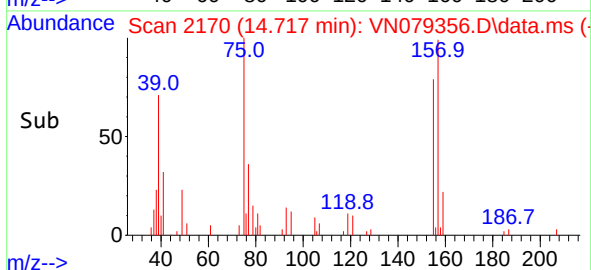
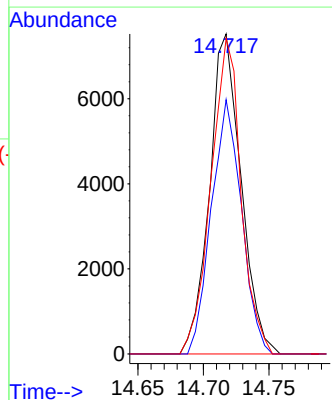
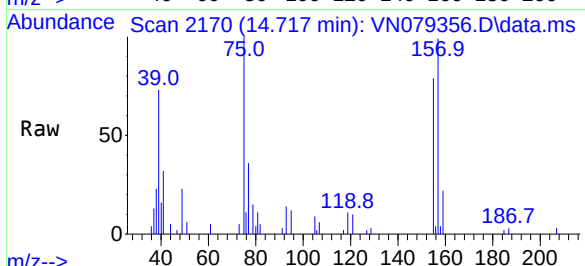
Tgt Ion: 75 Resp: 12601

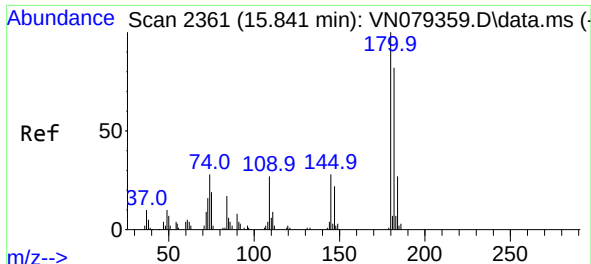
Ion Ratio Lower Upper

75 100

155 75.7 60.7 91.1

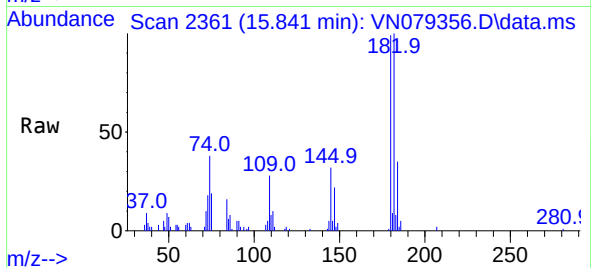
157 94.0 76.8 115.2



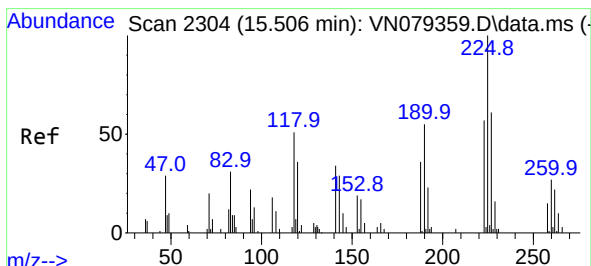
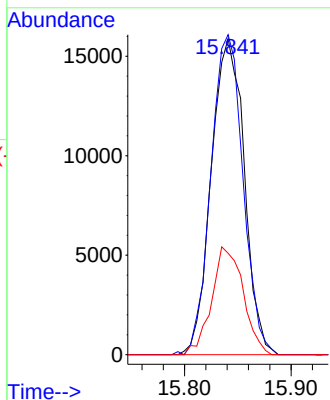
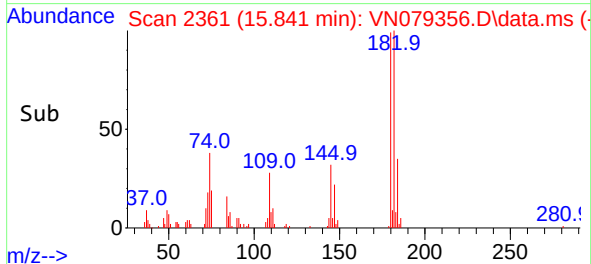


#89
1,2,4-Trichlorobenzene
Concen: 22.080 ug/l
RT: 15.841 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

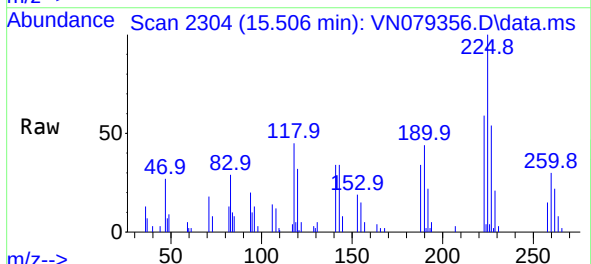
Instrument :
MSVOA_N
ClientSampleId :



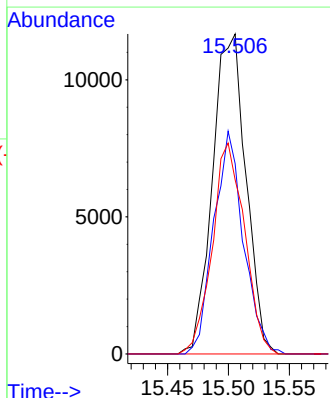
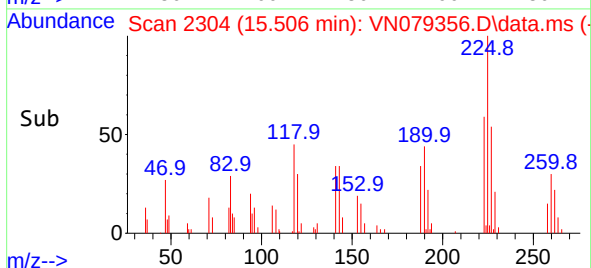
Tgt Ion:180 Resp: 34113
Ion Ratio Lower Upper
180 100
182 98.6 74.2 111.4
145 32.6 25.4 38.2

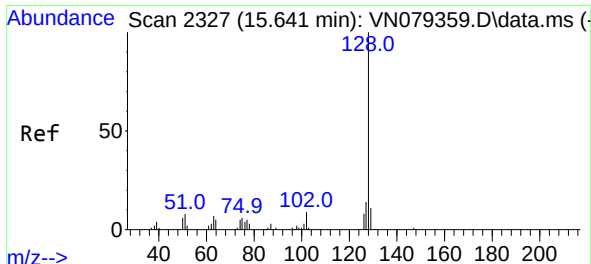


#90
Hexachlorobutadiene
Concen: 18.956 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13



Tgt Ion:225 Resp: 22323
Ion Ratio Lower Upper
225 100
223 62.1 0.0 126.0
227 63.7 0.0 127.0

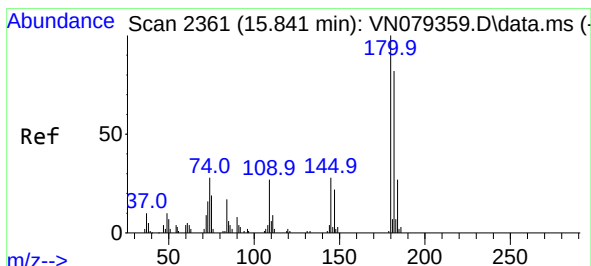
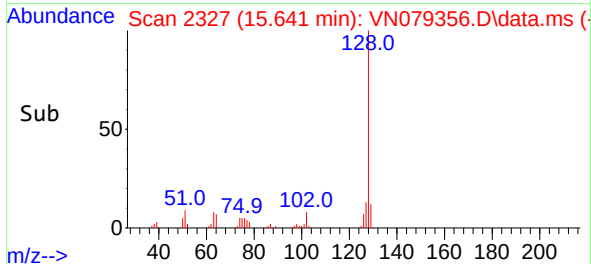
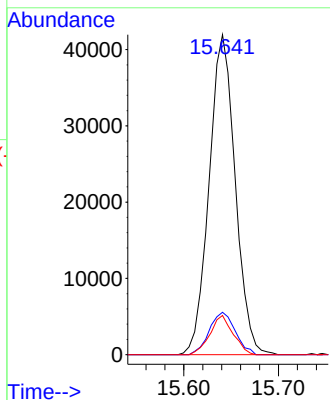
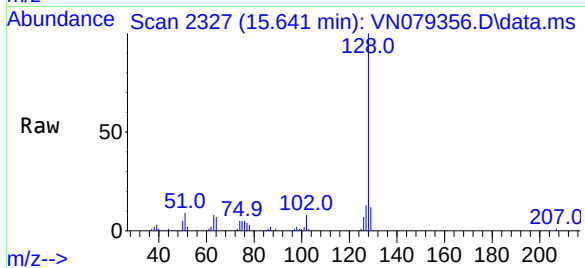




#91
Naphthalene
Concen: 21.734 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	80520
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.9	16.3
129	10.9	8.6	12.8



#92
1,2,3-Trichlorobenzene
Concen: 20.881 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN079356.D
Acq: 27 Sep 2023 10:13

Tgt Ion:	180	Resp:	34113
Ion	Ratio	Lower	Upper
180	100		
182	98.6	0.0	185.6
145	32.6	0.0	63.6

