

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101022\
 Data File : VN074826.D
 Acq On : 10 Oct 2022 12:28
 Operator : JC\MD
 Sample : VN1010MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 06:21:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

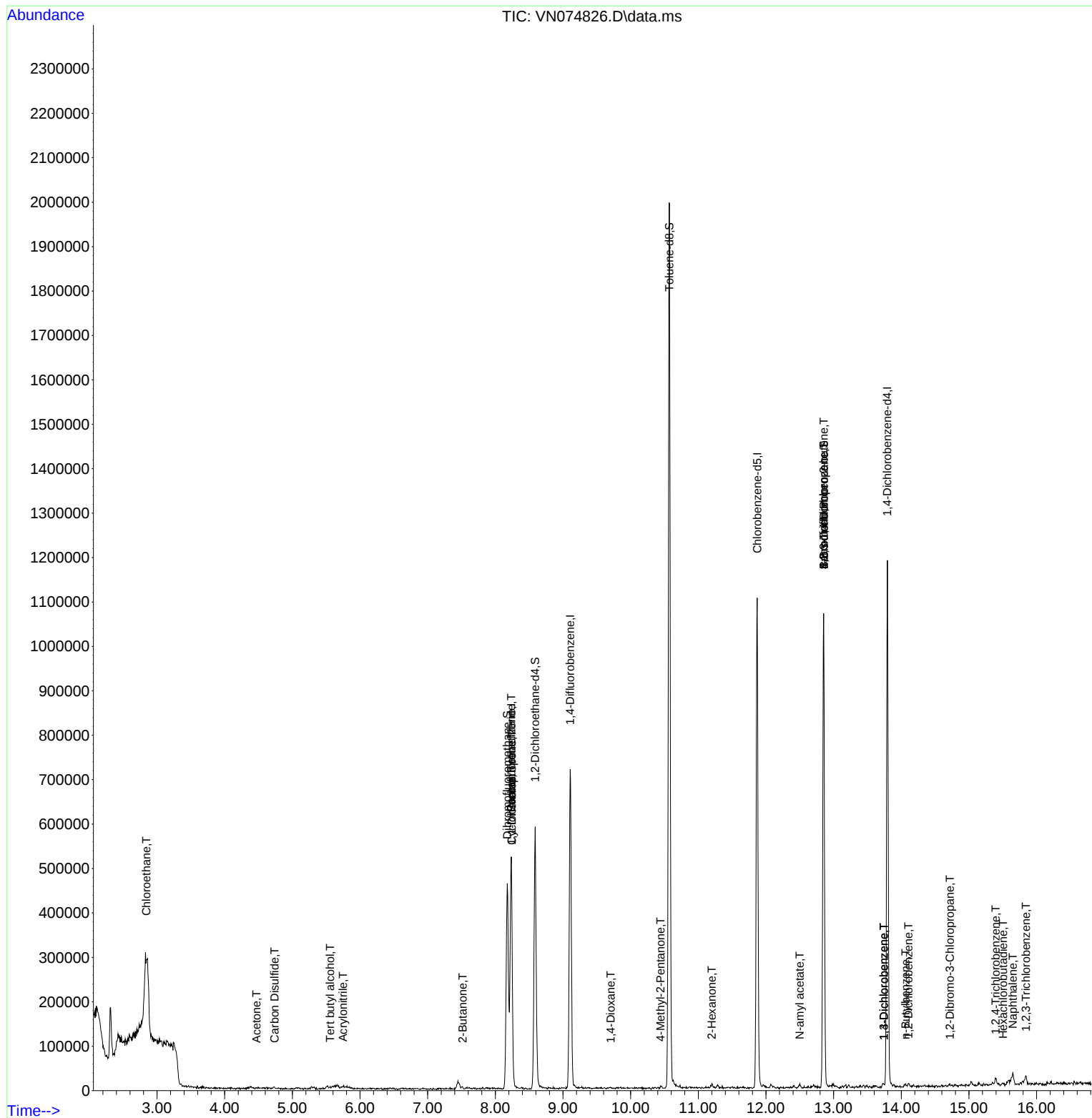
Internal Standards						
1) Pentafluorobenzene	8.235	168	371458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	612956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	613528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	288999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	417118	47.392	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.780%
35) Dibromofluoromethane	8.177	113	316451	51.098	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.200%
50) Toluene-d8	10.571	98	1346429	50.668	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.340%
62) 4-Bromofluorobenzene	12.853	95	326560	40.426	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	80.860%#
Target Compounds						
					Qvalue	
6) Chloroethane	2.842	64	193021	18.599	ug/l #	51
11) Tert butyl alcohol	5.559	59	1276	0.433	ug/l #	74
13) Acrolein	4.200	56	741	Below Cal	#	33
15) Acrylonitrile	5.747	53	4417	0.687	ug/l #	60
16) Acetone	4.471	43	2432	0.488	ug/l #	44
17) Carbon Disulfide	4.736	76	4816	0.244	ug/l #	74
20) Methylene Chloride	5.289	84	1566	Below Cal		88
25) 2-Butanone	7.518	43	2343	0.259	ug/l #	48
31) Cyclohexane	8.241	56	10178	0.669	ug/l #	50
36) 1,1-Dichloropropene	8.241	75	34434	3.435	ug/l #	43
38) Carbon Tetrachloride	8.235	117	40421	4.276	ug/l #	17
49) 1,4-Dioxane	9.706	88	136	0.615	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	3251	0.203	ug/l #	64
59) 2-Hexanone	11.200	43	7655	0.633	ug/l	93
71) Bromoform	12.853	173	4706	0.899	ug/l #	29
74) N-amyl acetate	12.500	43	3616	0.215	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.935	83	1345	Below Cal	#	82
76) 1,2,3-Trichloropropane	12.853	75	192394	22.304	ug/l #	1
77) Bromobenzene	12.976	156	668	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	192394	43.457	ug/l #	14
87) 1,3-Dichlorobenzene	13.741	146	2406	0.218	ug/l	86
88) 1,4-Dichlorobenzene	13.741	146	2406	0.231	ug/l	84
89) n-Butylbenzene	14.064	91	4394	0.232	ug/l	88
91) 1,2-Dichlorobenzene	14.106	146	3191	0.300	ug/l	75
92) 1,2-Dibromo-3-Chloropr...	14.717	75	571	0.248	ug/l #	59
93) 1,2,4-Trichlorobenzene	15.394	180	4282	0.922	ug/l	96
94) Hexachlorobutadiene	15.506	225	451	0.208	ug/l #	74
95) Naphthalene	15.647	128	24959	1.243	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	5986	0.391	ug/l	94

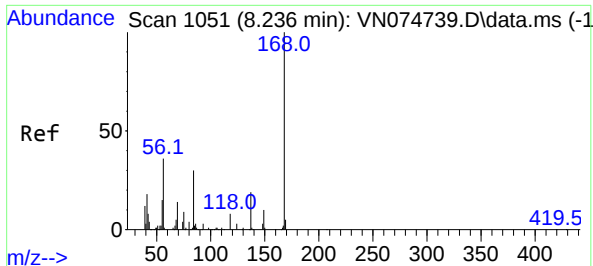
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

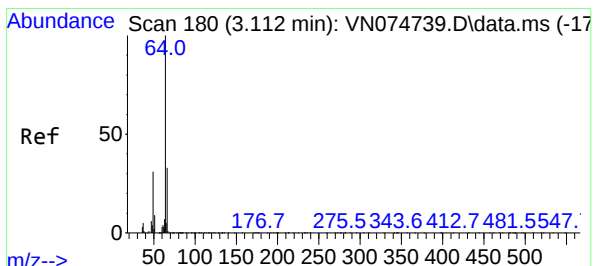
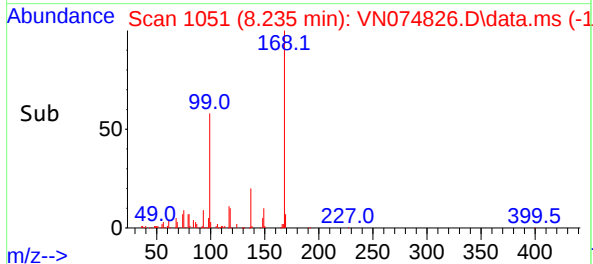
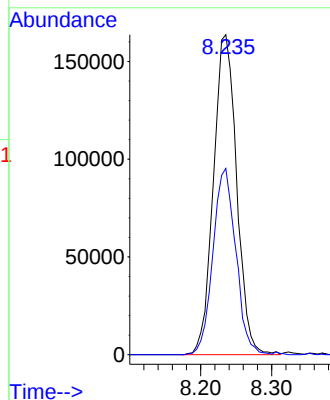
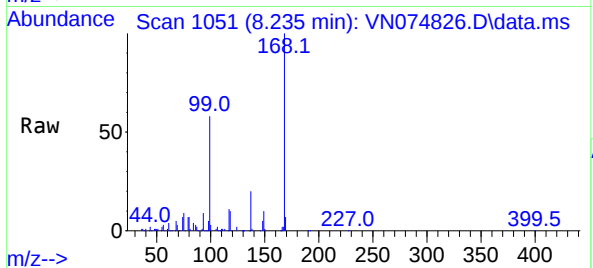




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

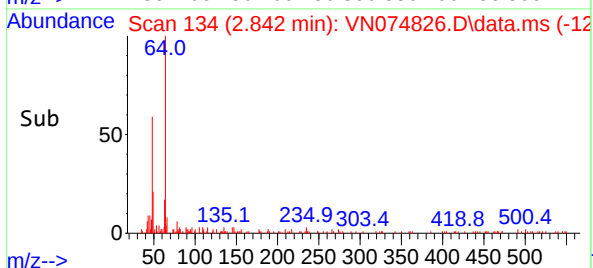
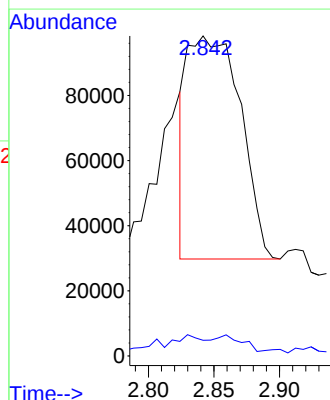
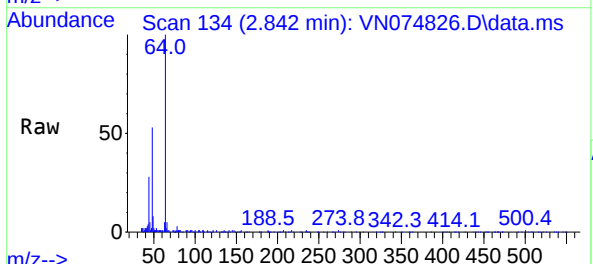
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MSVOA_N
ClientSampleId :

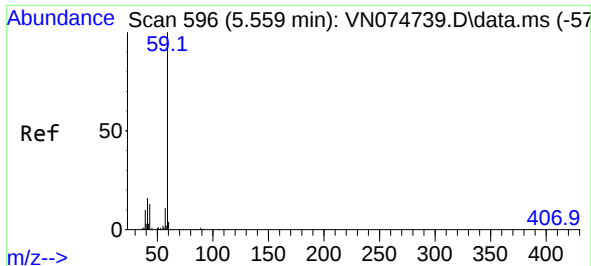
Tgt Ion:168 Resp: 371458
Ion Ratio Lower Upper
168 100
99 58.2 42.8 64.2



#6
Chloroethane
Concen: 18.599 ug/l
RT: 2.842 min Scan# 134
Delta R.T. -0.271 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

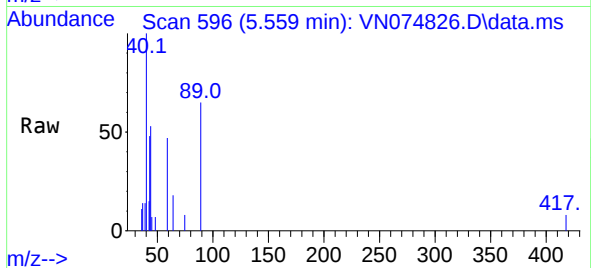
Tgt Ion: 64 Resp: 193021
Ion Ratio Lower Upper
64 100
66 4.1 25.1 37.7#



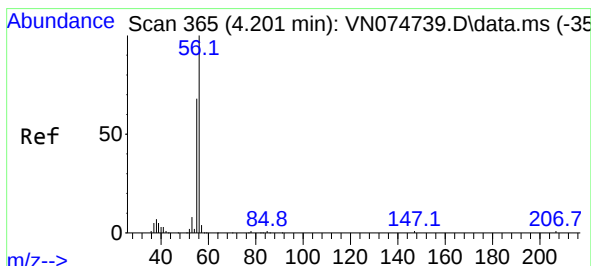
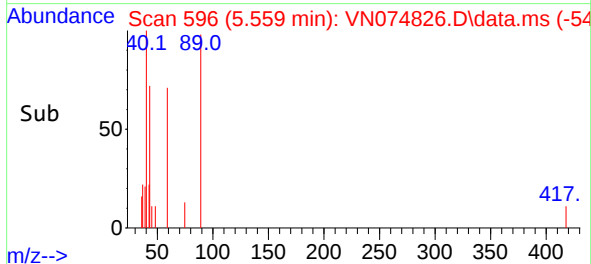
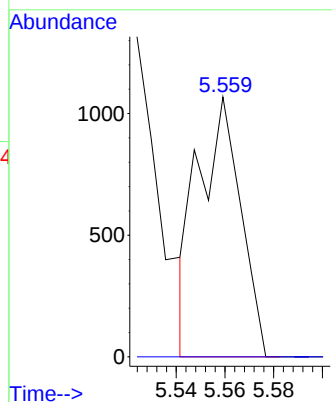


#11
Tert butyl alcohol
Concen: 0.433 ug/l
RT: 5.559 min Scan# 59
Delta R.T. -0.000 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

Instrument :
MSVOA_N
ClientSampleId :

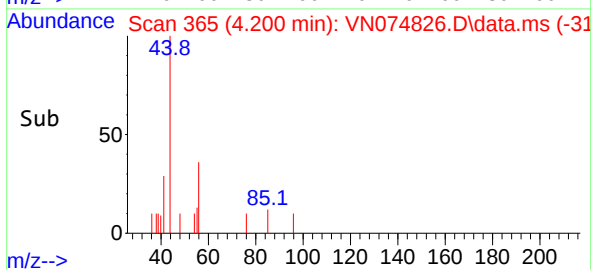
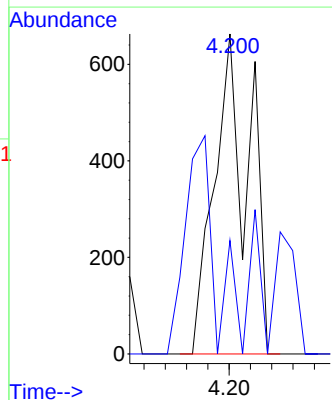
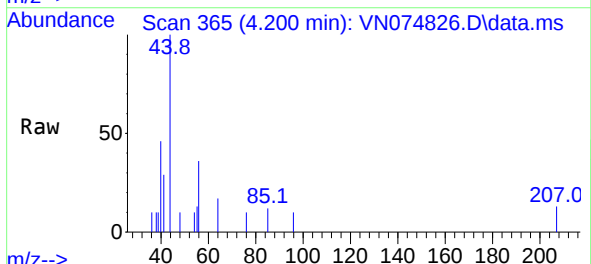


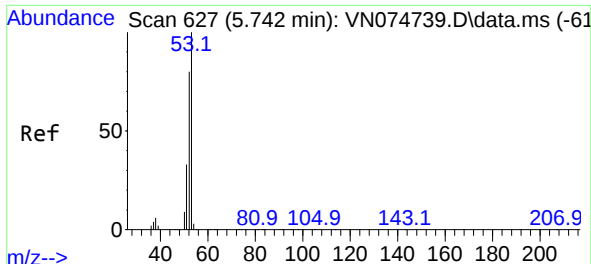
Tgt Ion: 59 Resp: 1276
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 365
Delta R.T. -0.001 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

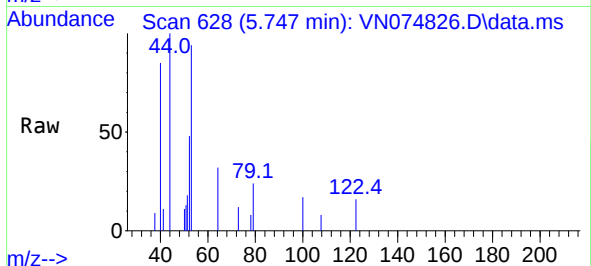
Tgt Ion: 56 Resp: 741
Ion Ratio Lower Upper
56 100
55 14.3 54.9 82.3#



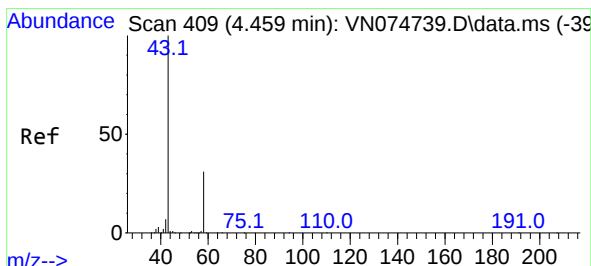
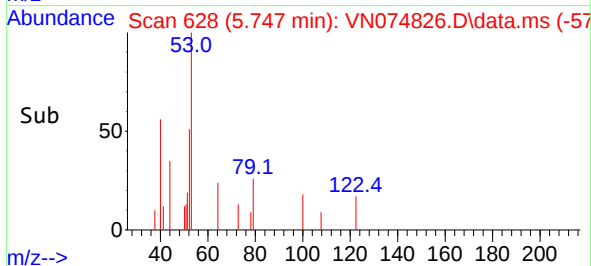
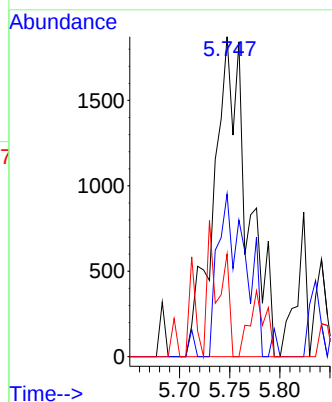


#15
Acrylonitrile
Concen: 0.687 ug/l
RT: 5.747 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

Instrument :
MSVOA_N
ClientSampleId :

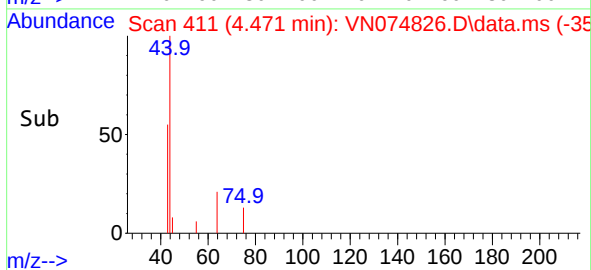
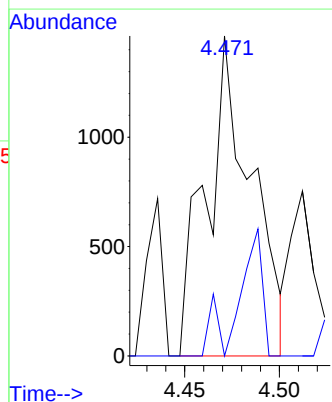
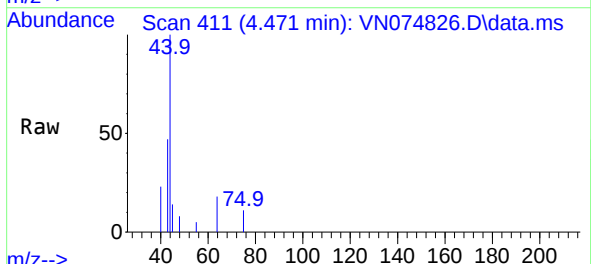


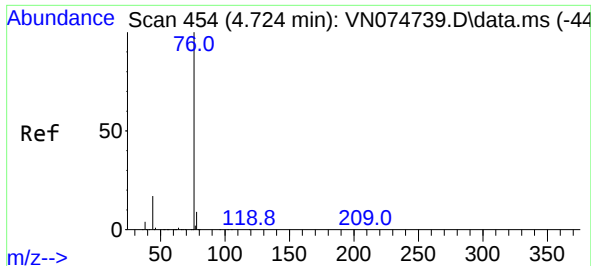
Tgt Ion: 53 Resp: 4417
Ion Ratio Lower Upper
53 100
52 41.7 64.3 96.5#
51 16.6 27.5 41.3#



#16
Acetone
Concen: 0.488 ug/l
RT: 4.471 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

Tgt Ion: 43 Resp: 2432
Ion Ratio Lower Upper
43 100
58 0.0 24.9 37.3#

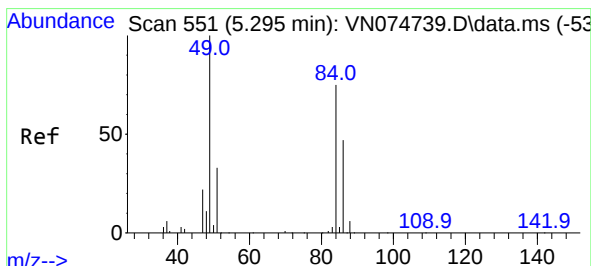
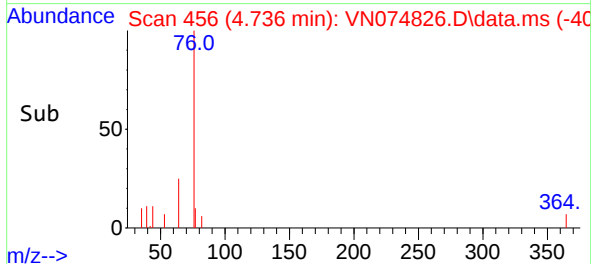
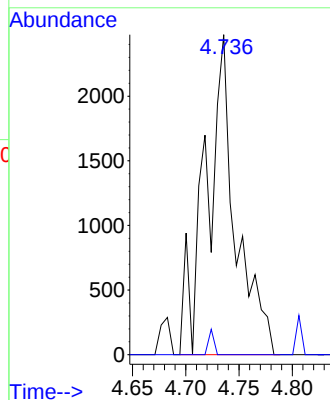
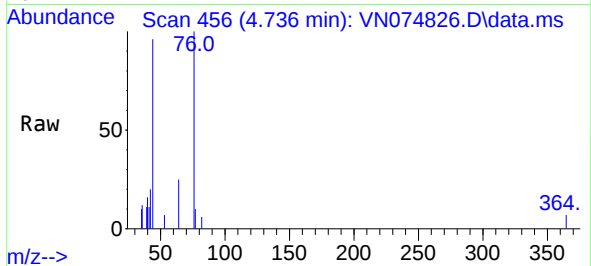




#17
Carbon Disulfide
Concen: 0.244 ug/l
RT: 4.736 min Scan# 417
Delta R.T. 0.012 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

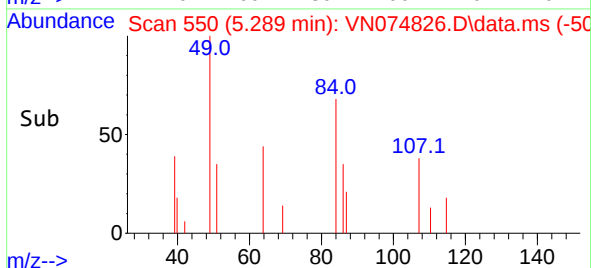
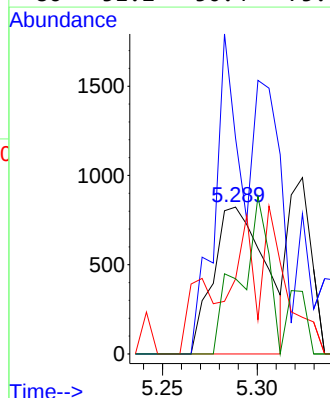
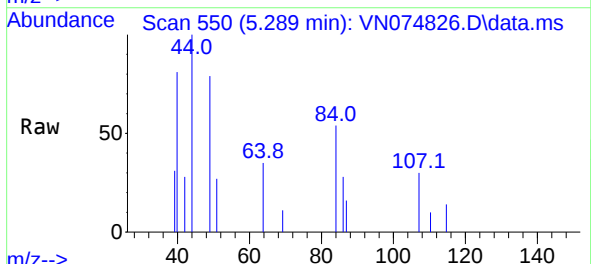
Instrument :
MSVOA_N
ClientSampleId :

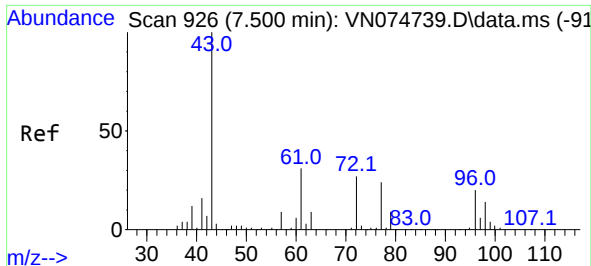
Tgt Ion: 76 Resp: 4816
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.006 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

Tgt Ion: 84 Resp: 1566
Ion Ratio Lower Upper
84 100
49 146.9 107.4 161.0
51 51.0 35.1 52.7
86 51.2 50.4 75.6

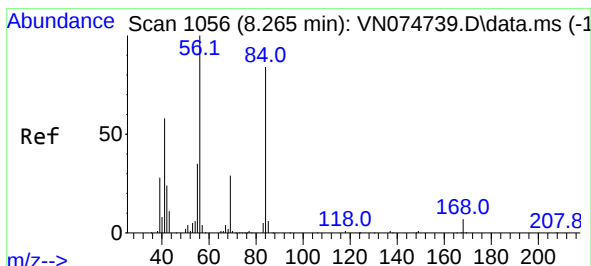
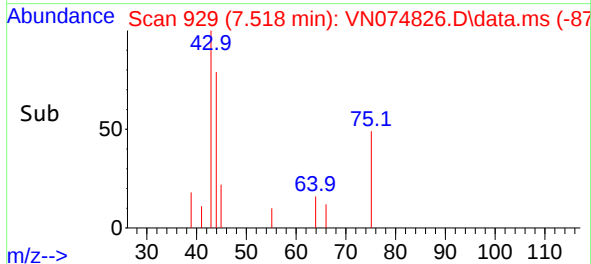
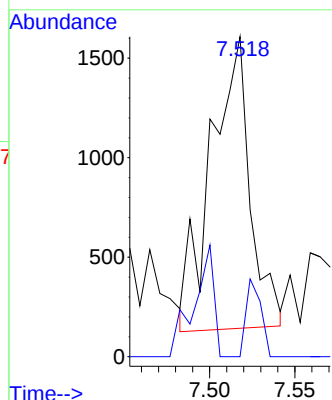
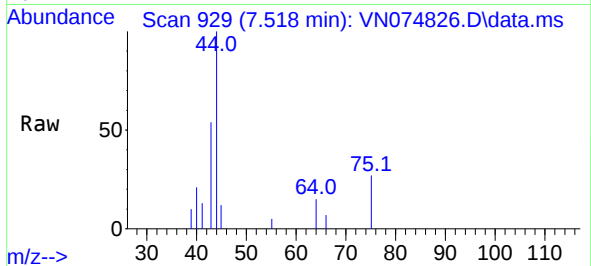




#25
2-Butanone
Concen: 0.259 ug/l
RT: 7.518 min Scan# 91
Delta R.T. 0.017 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

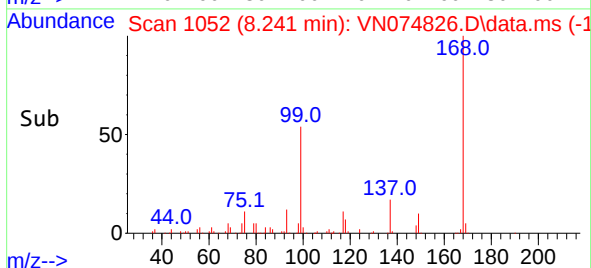
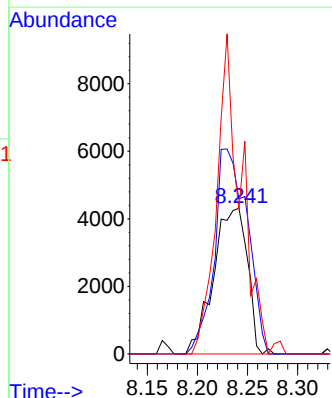
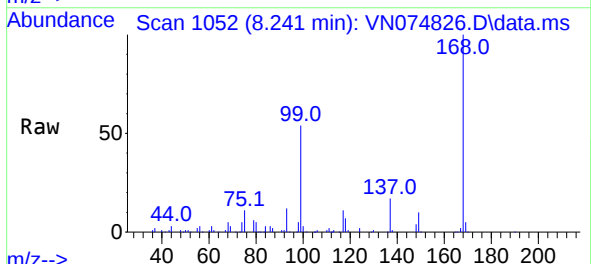
Instrument :
MSVOA_N
ClientSampleId :

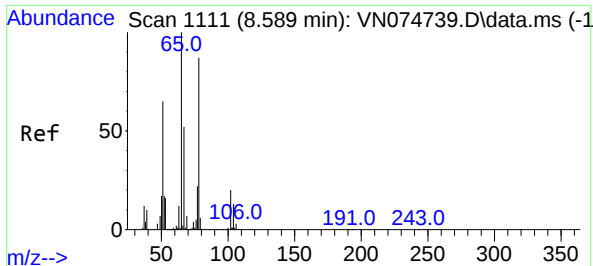
Tgt Ion: 43 Resp: 2343
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



#31
Cyclohexane
Concen: 0.669 ug/l
RT: 8.241 min Scan# 1052
Delta R.T. -0.024 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

Tgt Ion: 56 Resp: 10178
Ion Ratio Lower Upper
56 100
69 106.4 23.1 34.7#
84 99.4 67.1 100.7

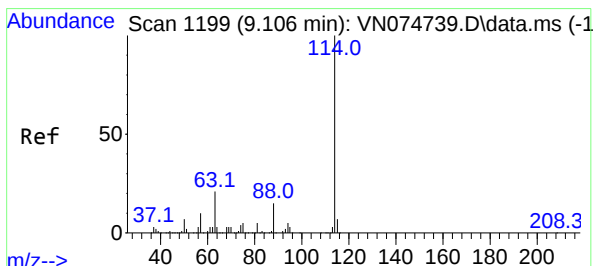
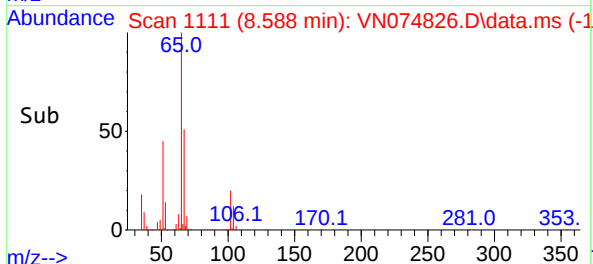
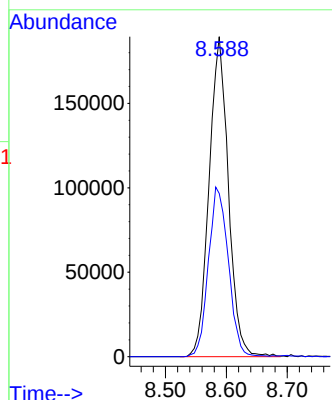
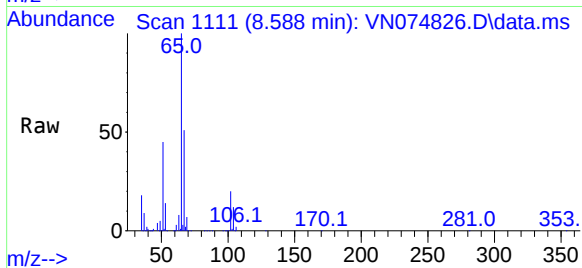




#33
1,2-Dichloroethane-d4
Concen: 47.392 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

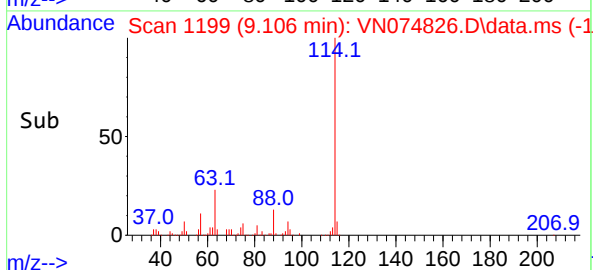
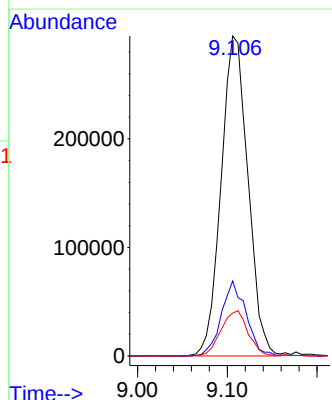
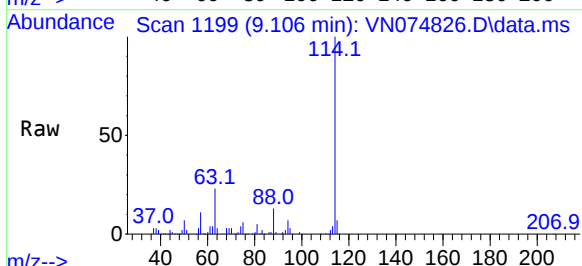
Instrument :
MSVOA_N
ClientSampleId :

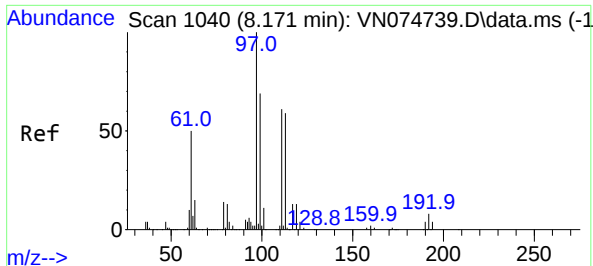
Tgt Ion: 65 Resp: 417118
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

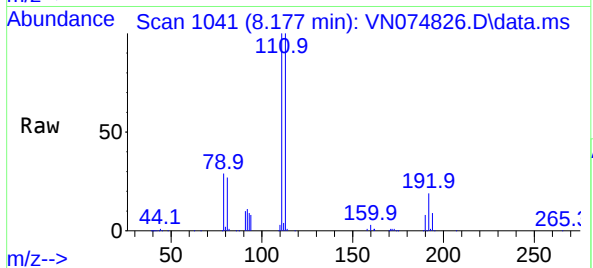
Tgt Ion: 114 Resp: 612956
Ion Ratio Lower Upper
114 100
63 23.4 0.0 41.2
88 13.4 0.0 30.2



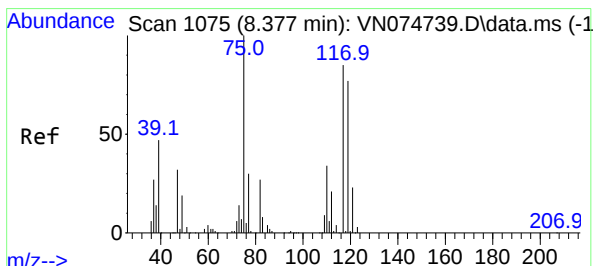
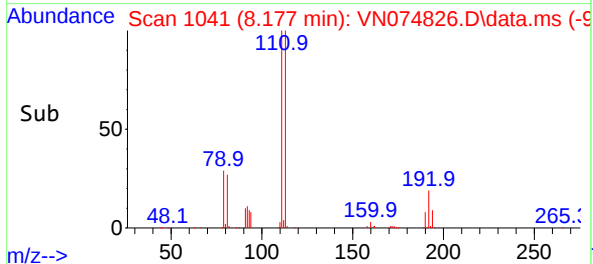
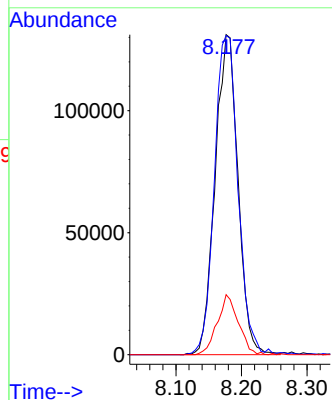


#35
Dibromofluoromethane
Concen: 51.098 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

Instrument :
MSVOA_N
ClientSampleId :

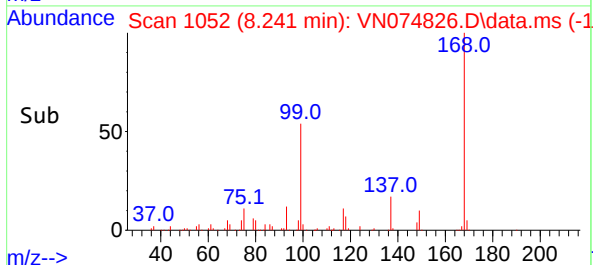
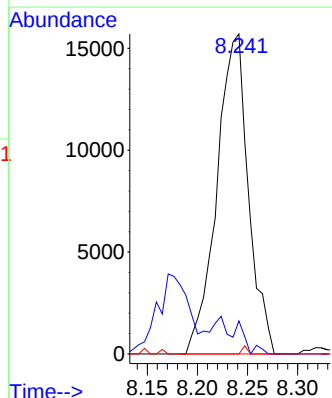
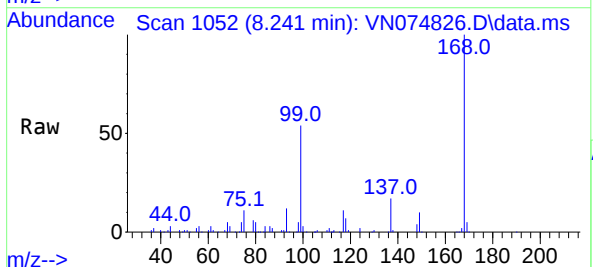


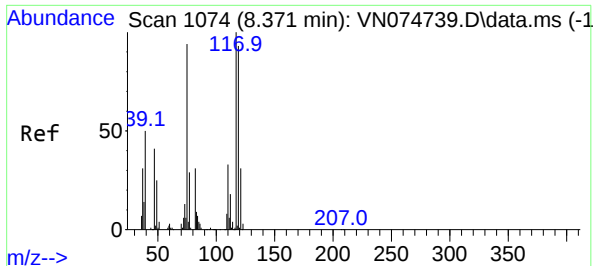
Tgt Ion:113 Resp: 316451
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.6
192 17.3 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.435 ug/l
RT: 8.241 min Scan# 1052
Delta R.T. -0.135 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

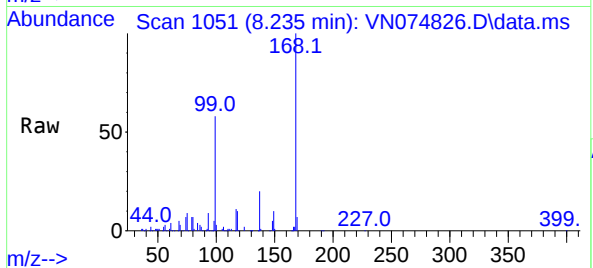
Tgt Ion: 75 Resp: 34434
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.5#
77 0.4 24.3 36.5#



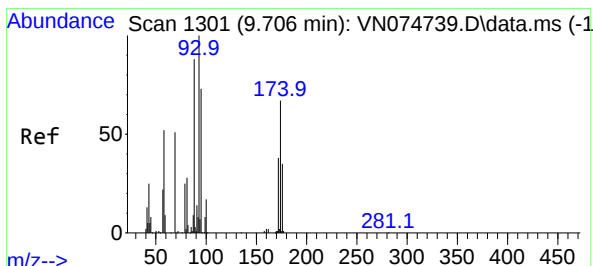
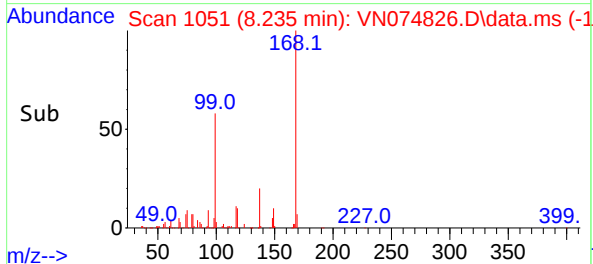
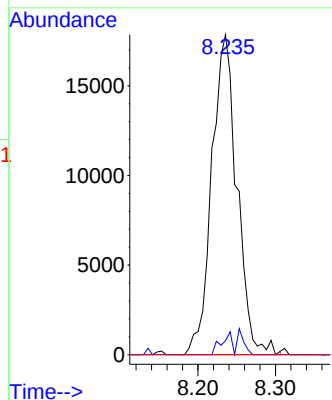


#38
Carbon Tetrachloride
Concen: 4.276 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.135 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

Instrument :
MSVOA_N
ClientSampleId :

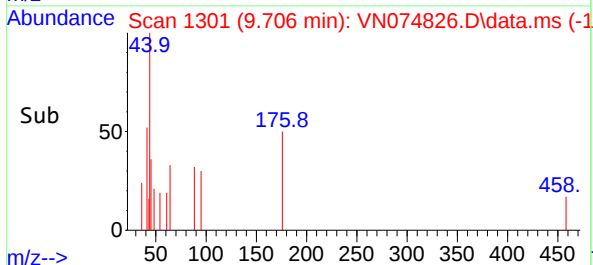
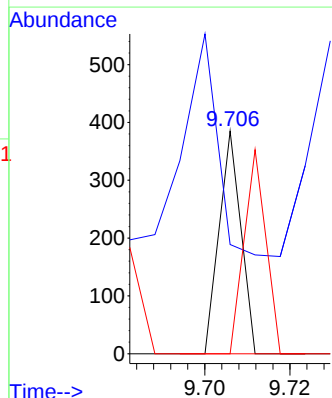
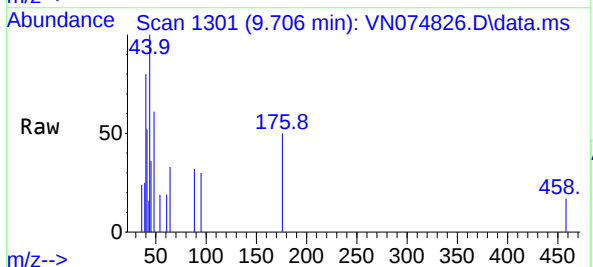


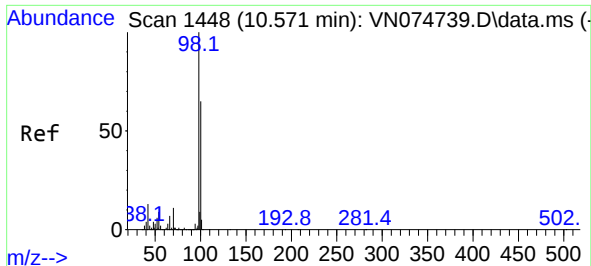
Tgt Ion:117 Resp: 40421
Ion Ratio Lower Upper
117 100
119 4.3 74.3 111.5#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 0.615 ug/l
RT: 9.706 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

Tgt Ion: 88 Resp: 136
Ion Ratio Lower Upper
88 100
43 420.6 23.4 35.2#
58 91.9 54.9 82.3#

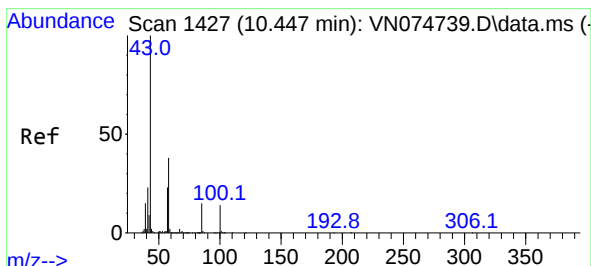
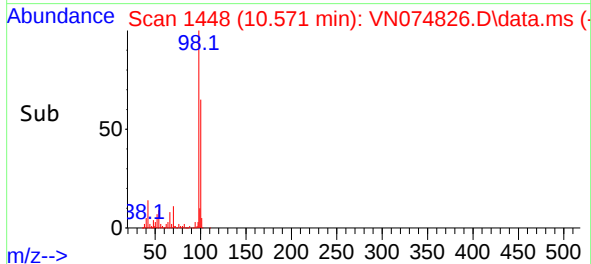
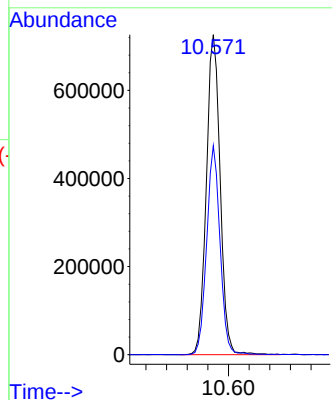
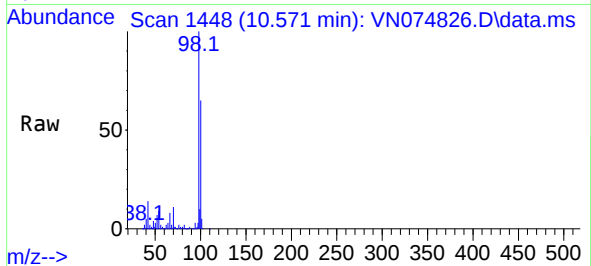




#50
Toluene-d8
Concen: 50.668 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

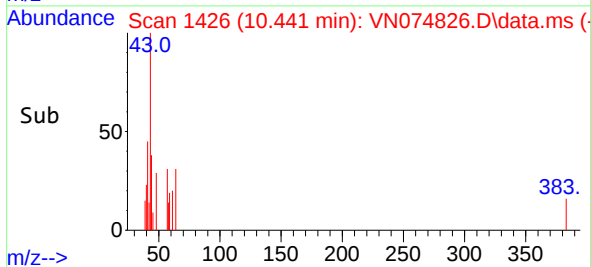
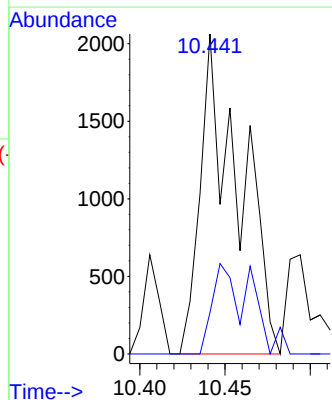
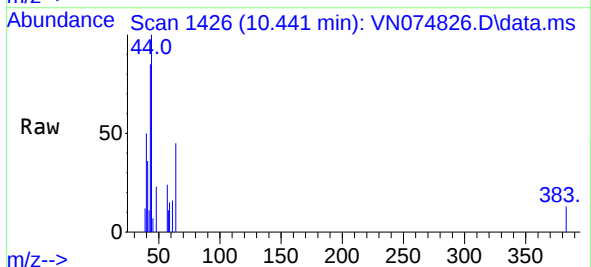
Instrument :
MSVOA_N
ClientSampleId :

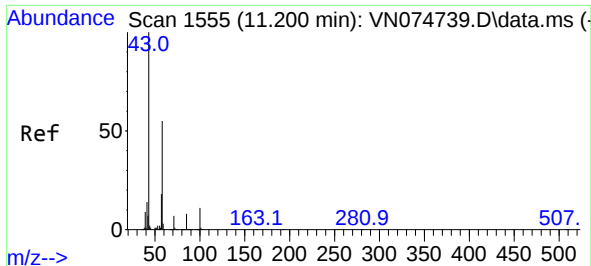
Tgt Ion: 98 Resp: 1346429
Ion Ratio Lower Upper
98 100
100 63.1 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.203 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

Tgt Ion: 43 Resp: 3251
Ion Ratio Lower Upper
43 100
58 16.6 30.6 45.8#

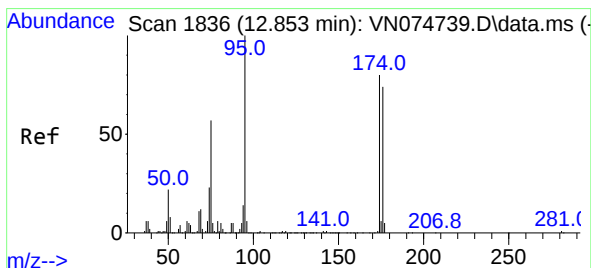
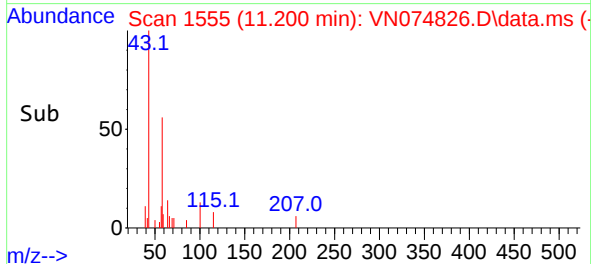
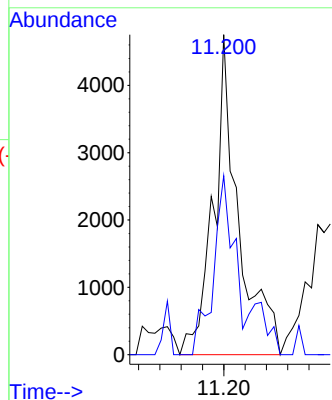
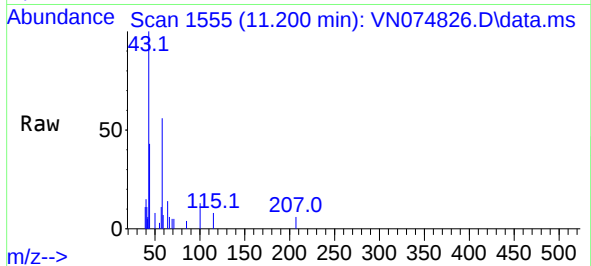




#59
2-Hexanone
Concen: 0.633 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

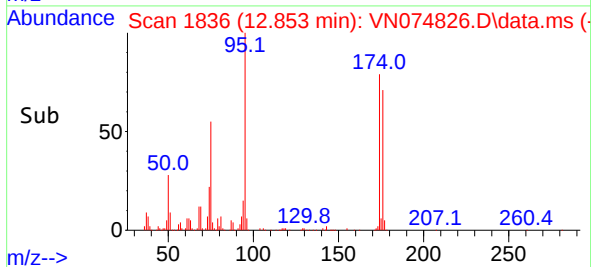
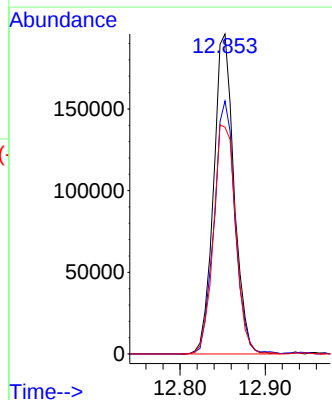
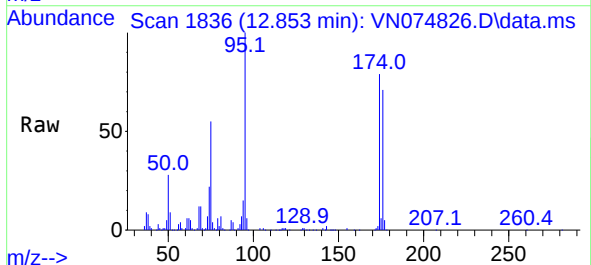
Instrument :
MSVOA_N
ClientSampleId :

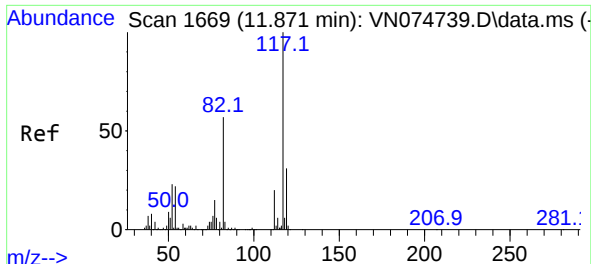
Tgt Ion: 43 Resp: 7655
Ion Ratio Lower Upper
43 100
58 49.5 27.3 81.9



#62
4-Bromofluorobenzene
Concen: 40.426 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

Tgt Ion: 95 Resp: 326560
Ion Ratio Lower Upper
95 100
174 80.9 0.0 149.4
176 77.9 0.0 142.0

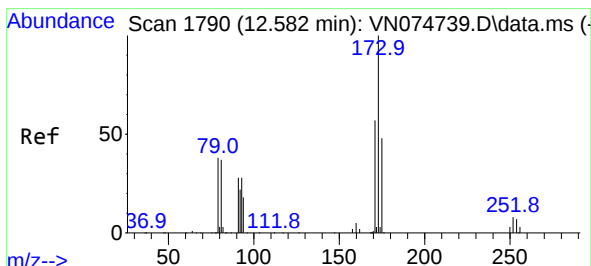
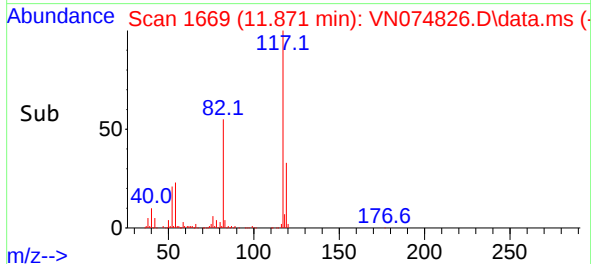
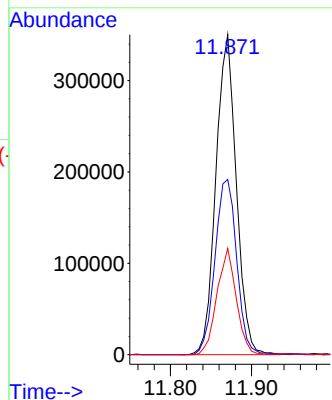
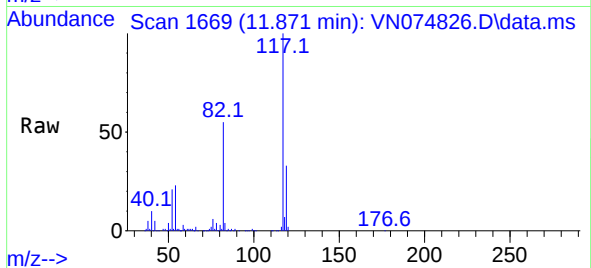




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

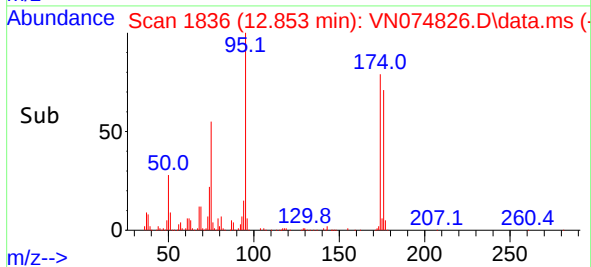
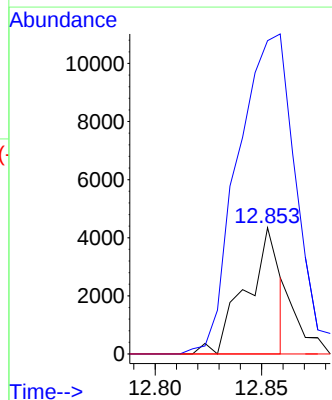
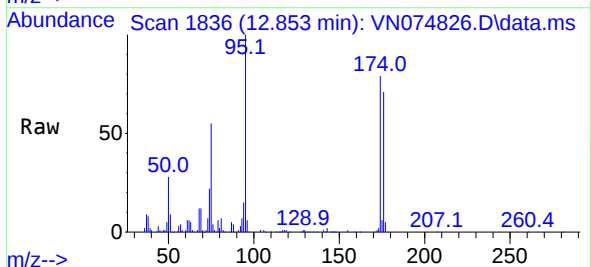
Instrument :
MSVOA_N
ClientSampleId :

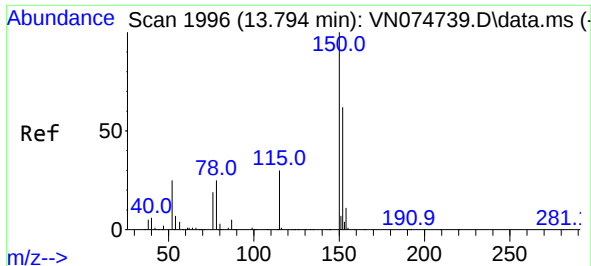
Tgt Ion:117 Resp: 613528
Ion Ratio Lower Upper
117 100
82 54.7 45.4 68.2
119 33.2 25.1 37.7



#71
Bromoform
Concen: 0.899 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

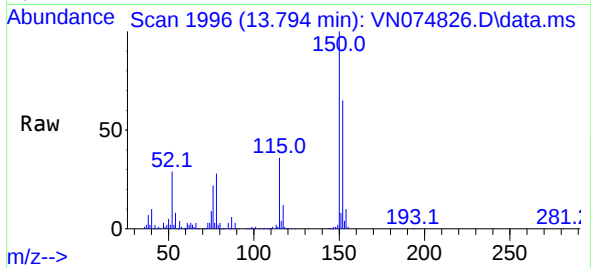
Tgt Ion:173 Resp: 4706
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.7#
254 0.0 0.1 0.1#



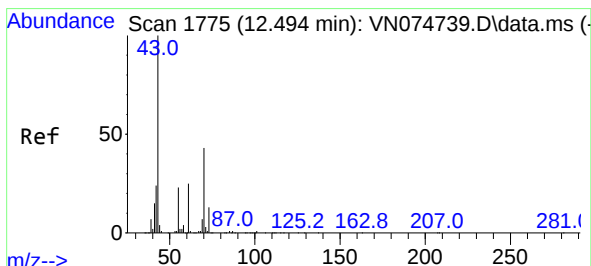
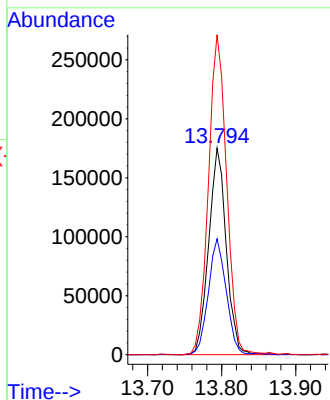
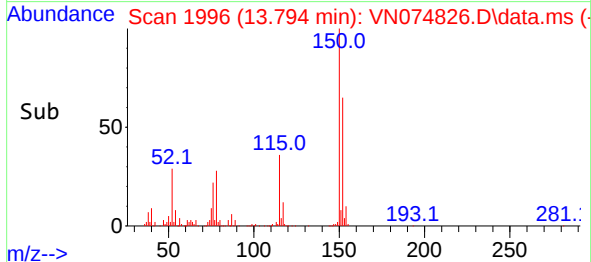


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

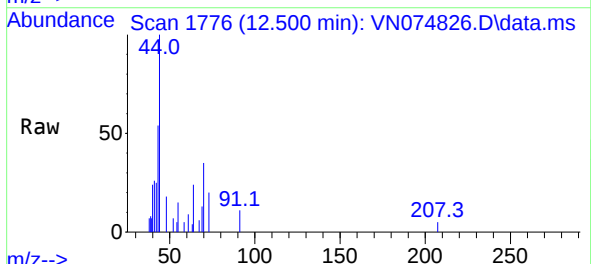
Instrument :
MSVOA_N
ClientSampleId :



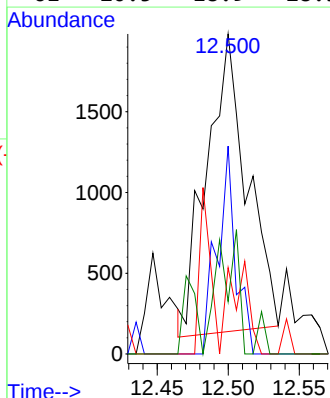
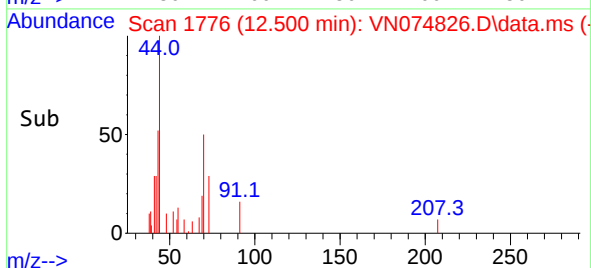
Tgt Ion:152 Resp: 288999
Ion Ratio Lower Upper
152 100
115 56.9 30.0 90.0
150 160.4 0.0 356.4

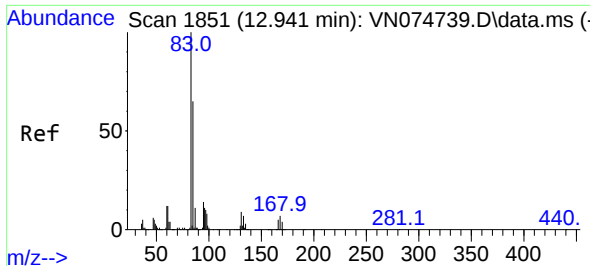


#74
N-ethyl acetate
Concen: 0.215 ug/l
RT: 12.500 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28



Tgt Ion: 43 Resp: 3616
Ion Ratio Lower Upper
43 100
70 32.2 32.9 49.3#
55 15.0 17.8 26.6#
61 20.5 18.9 28.3

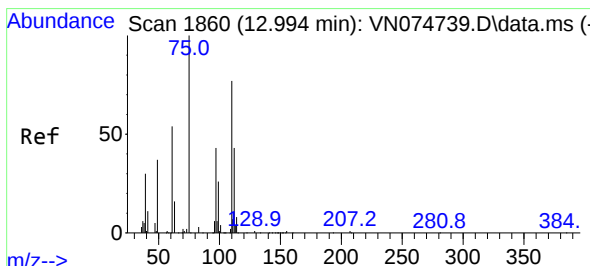
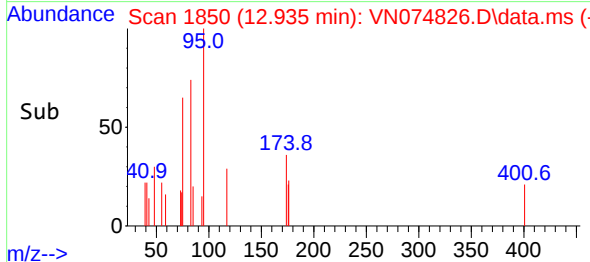
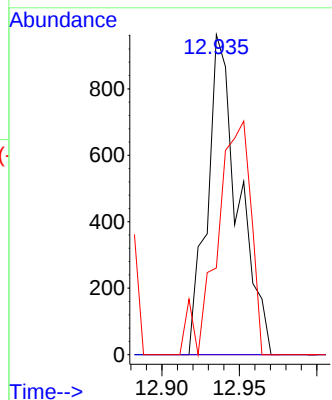
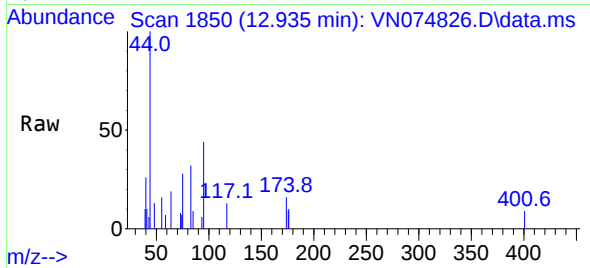




#75
1,1,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

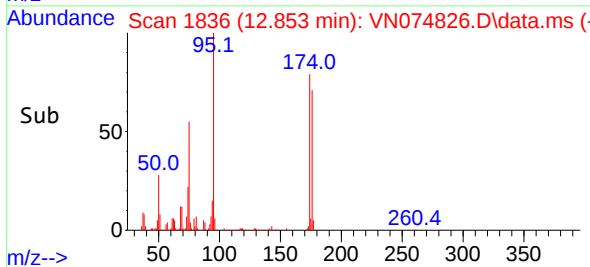
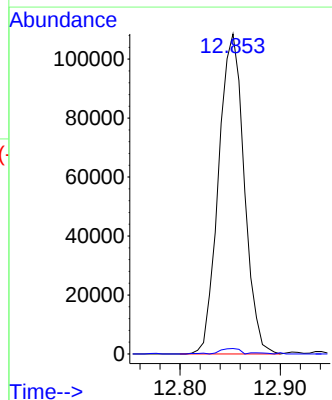
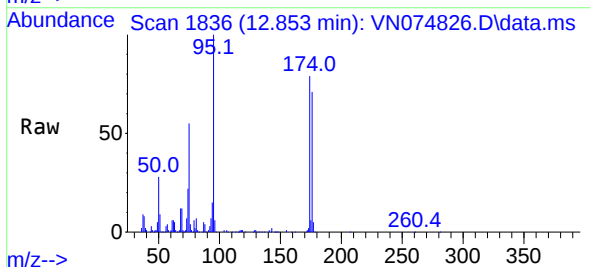
Instrument :
MSVOA_N
ClientSampleId :

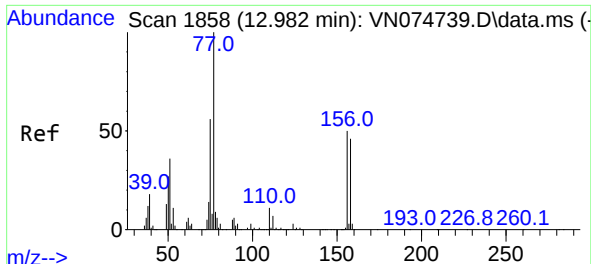
Tgt Ion: 83 Resp: 1345
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 79.4 32.9 98.6



#76
1,2,3-Trichloropropane
Concen: 22.304 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

Tgt Ion: 75 Resp: 192394
Ion Ratio Lower Upper
75 100
77 1.3 76.9 230.7#

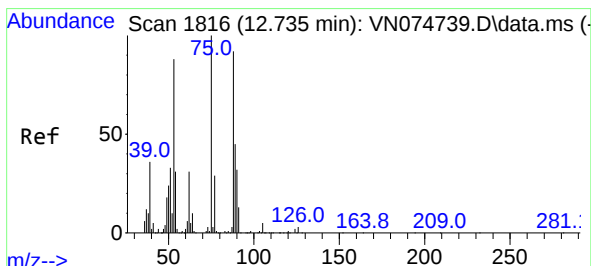
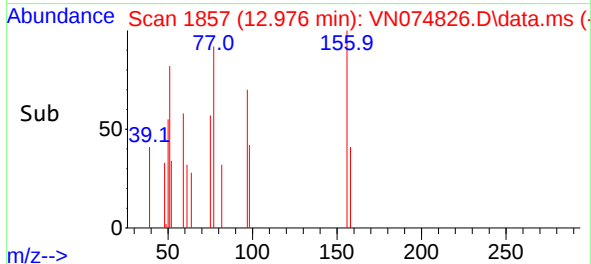
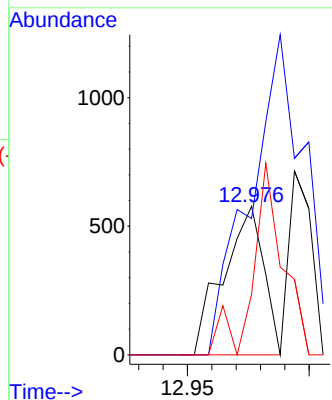
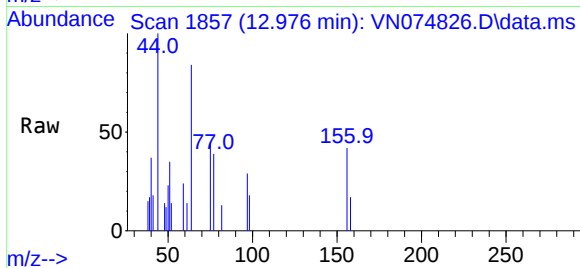




#77
Bromobenzene
Concen: Below Cal
RT: 12.976 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

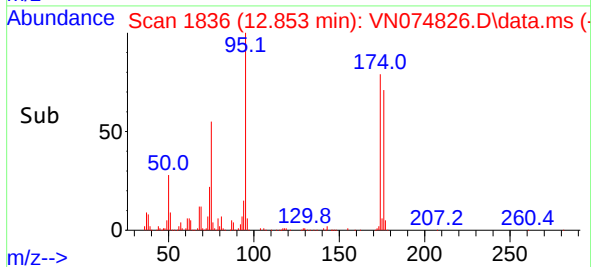
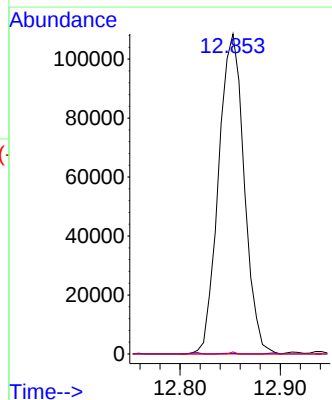
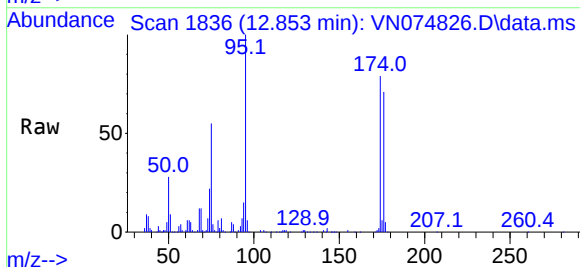
Instrument :
MSVOA_N
ClientSampleId :

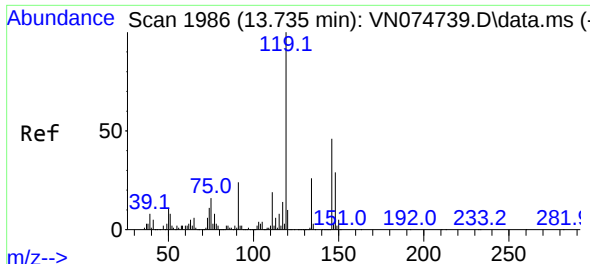
Tgt Ion:156 Resp: 668
Ion Ratio Lower Upper
156 100
77 0.0 124.7 374.1#
158 0.0 48.3 144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 43.457 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.117 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

Tgt Ion: 75 Resp: 192394
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.0#
89 0.1 32.1 48.1#





#87

1,3-Dichlorobenzene

Concen: 0.218 ug/l

RT: 13.741 min Scan# 1987

Delta R.T. 0.006 min

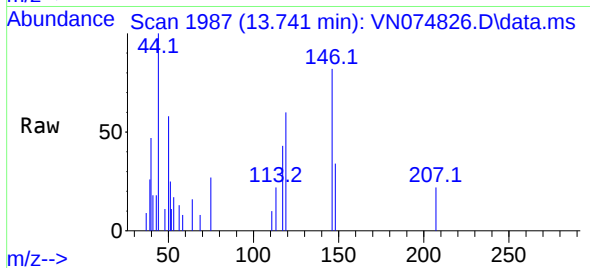
Lab File: VN074826.D

Acq: 10 Oct 2022 12:28

Instrument :

MSVOA_N

ClientSampleId :



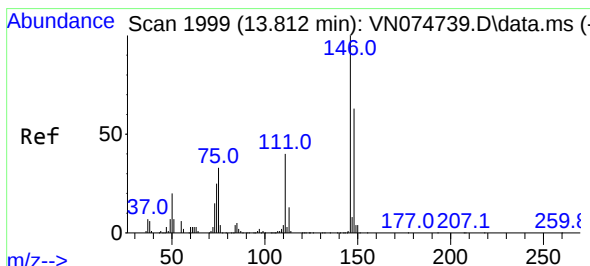
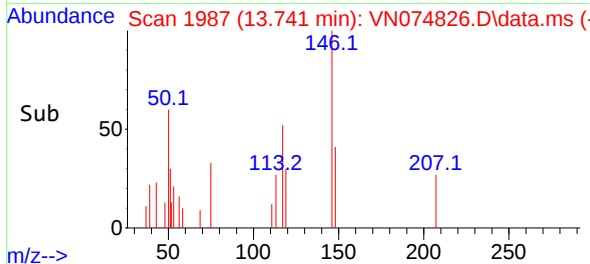
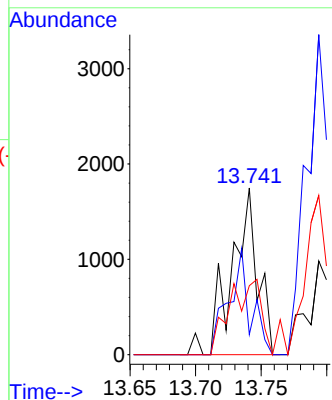
Tgt Ion:146 Resp: 2406

Ion Ratio Lower Upper

146 100

111 53.4 20.8 62.2

148 54.4 31.5 94.5



#88

1,4-Dichlorobenzene

Concen: 0.231 ug/l

RT: 13.741 min Scan# 1987

Delta R.T. -0.071 min

Lab File: VN074826.D

Acq: 10 Oct 2022 12:28

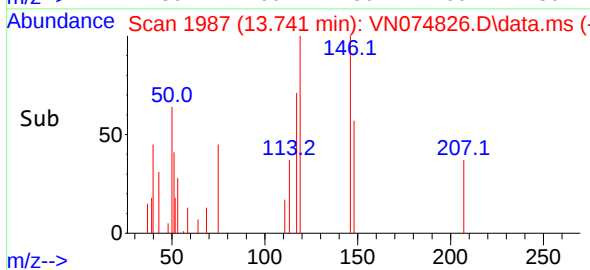
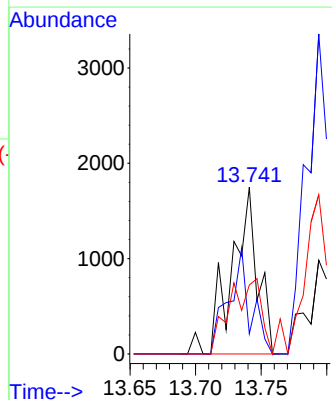
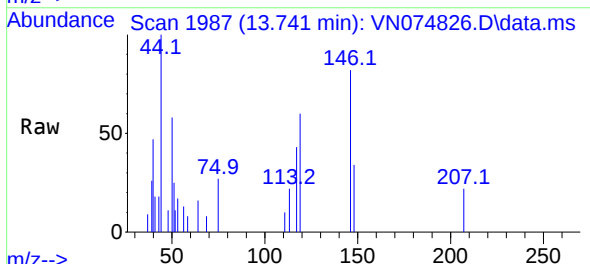
Tgt Ion:146 Resp: 2406

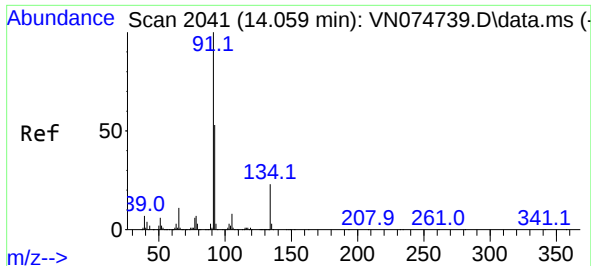
Ion Ratio Lower Upper

146 100

111 53.4 19.9 59.6

148 54.4 31.8 95.4





#89

n-Butylbenzene

Concen: 0.232 ug/l

RT: 14.064 min Scan# 2042

Delta R.T. 0.006 min

Lab File: VN074826.D

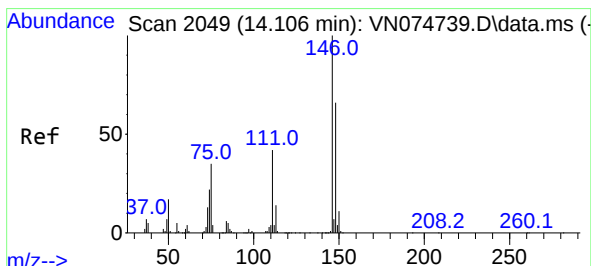
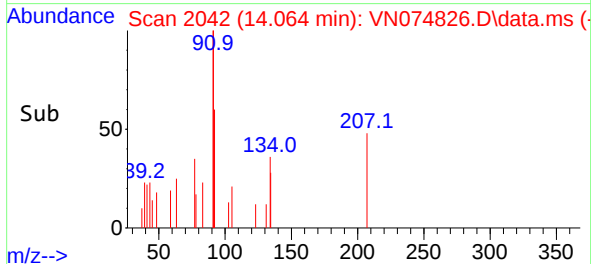
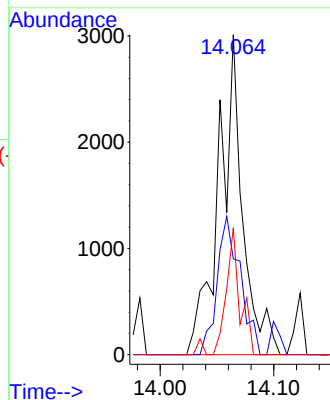
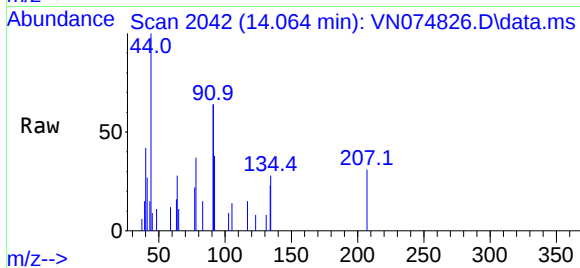
Acq: 10 Oct 2022 12:28

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp: 4394
Ion Ratio	Lower Upper
91	100
92	41.8 26.7 80.0
134	22.8 11.9 35.5



#91

1,2-Dichlorobenzene

Concen: 0.300 ug/l

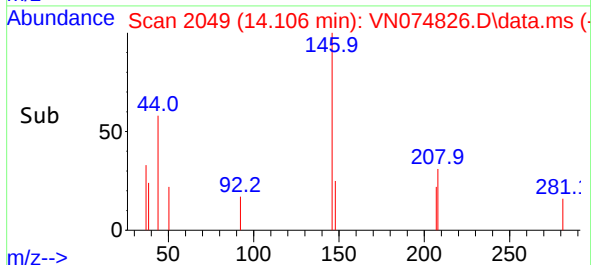
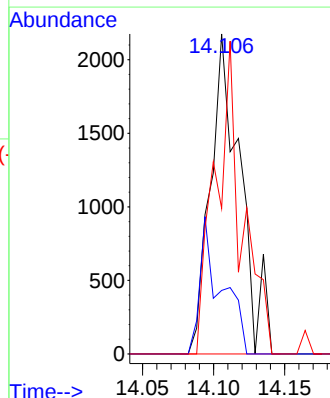
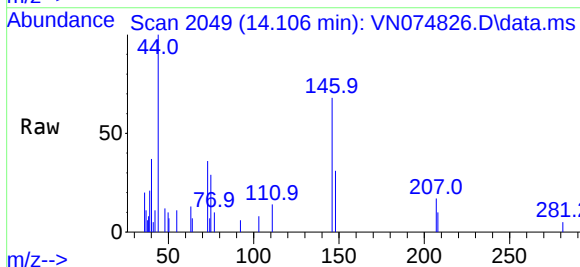
RT: 14.106 min Scan# 2049

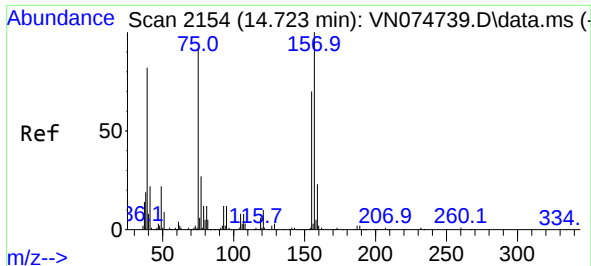
Delta R.T. -0.000 min

Lab File: VN074826.D

Acq: 10 Oct 2022 12:28

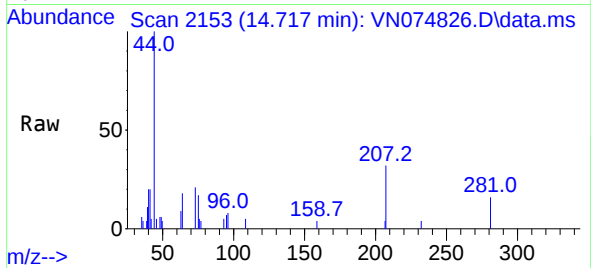
Tgt Ion: 146	Resp: 3191
Ion Ratio	Lower Upper
146	100
111	30.8 21.5 64.5
148	87.1 31.9 95.9



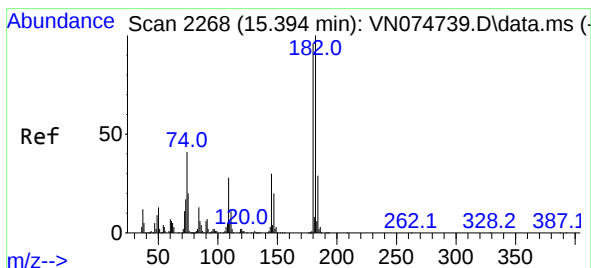
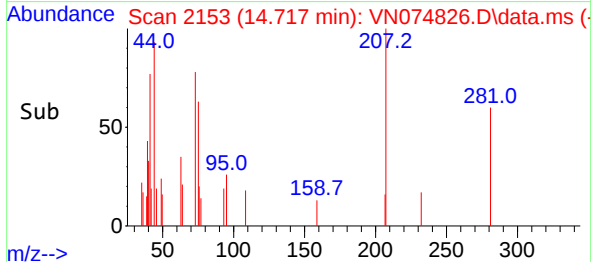
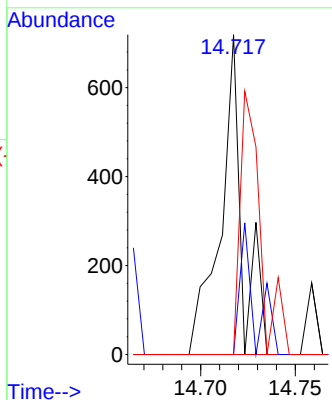


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.248 ug/l
RT: 14.717 min Scan# 2153
Delta R.T. -0.006 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

Instrument :
MSVOA_N
ClientSampleId :

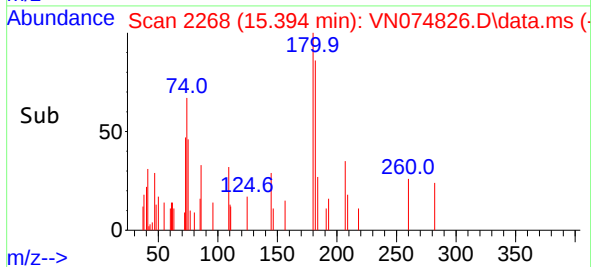
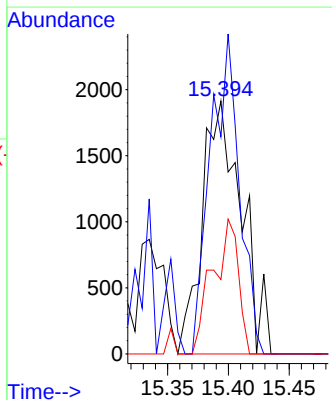
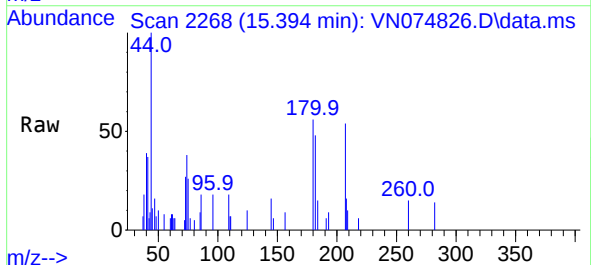


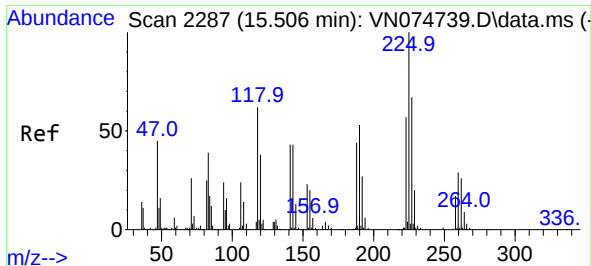
Tgt Ion: 75 Resp: 571
Ion Ratio Lower Upper
75 100
155 28.2 40.3 120.8#
157 76.2 51.3 153.9



#93
1,2,4-Trichlorobenzene
Concen: 0.922 ug/l
RT: 15.394 min Scan# 2268
Delta R.T. -0.000 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

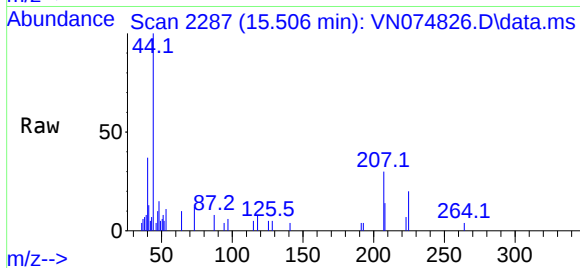
Tgt Ion: 180 Resp: 4282
Ion Ratio Lower Upper
180 100
182 93.7 48.5 145.5
145 35.1 16.1 48.3



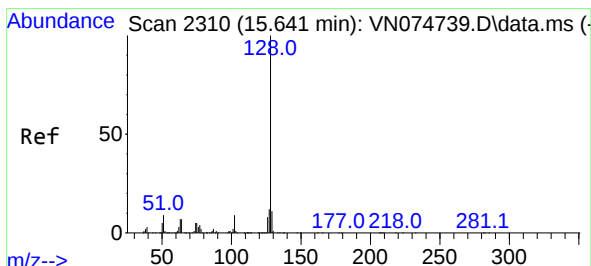
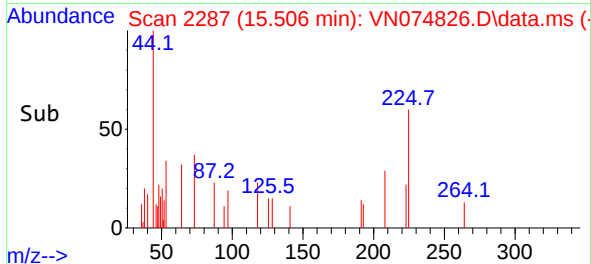
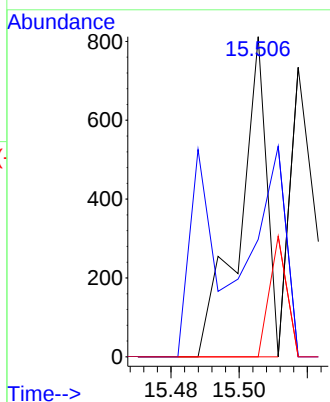


#94
Hexachlorobutadiene
Concen: 0.208 ug/l
RT: 15.506 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

Instrument :
MSVOA_N
ClientSampleId :

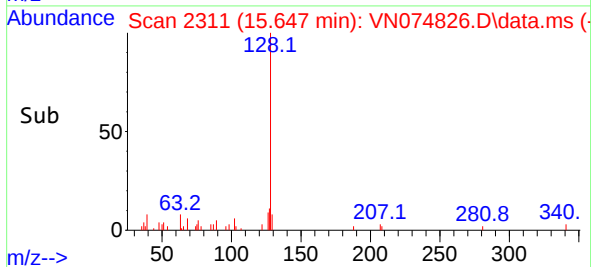
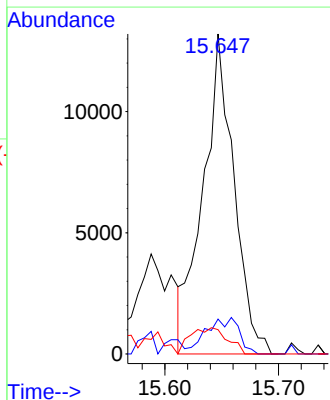
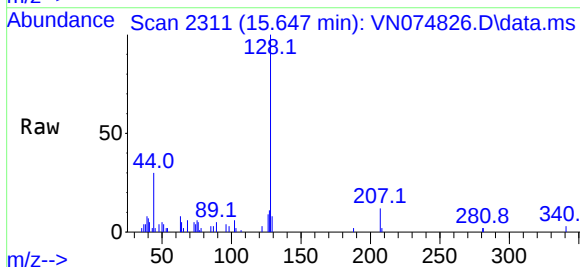


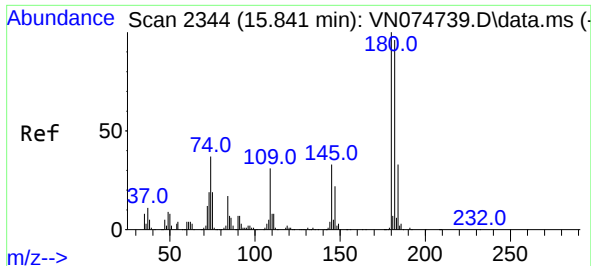
Tgt Ion:225 Resp: 451
Ion Ratio Lower Upper
225 100
223 65.2 31.7 95.1
227 23.9 31.2 93.6#



#95
Naphthalene
Concen: 1.243 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN074826.D
Acq: 10 Oct 2022 12:28

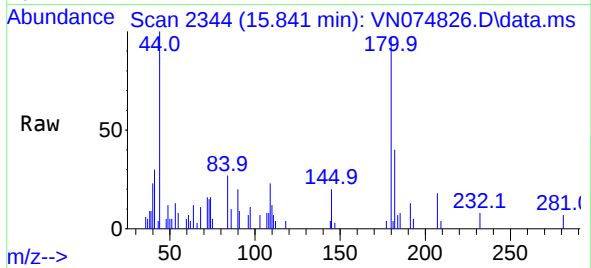
Tgt Ion:128 Resp: 24959
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.2
129 9.8 9.0 13.4





#96
 1,2,3-Trichlorobenzene
 Concen: 0.391 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN074826.D
 Acq: 10 Oct 2022 12:28

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 5986
 Ion Ratio Lower Upper
 180 100
 182 98.1 47.3 142.0
 145 26.9 17.1 51.2

