

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100622\
 Data File : VN074776.D
 Acq On : 06 Oct 2022 12:15
 Operator : JC\MD
 Sample : N4910-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
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Quant Time: Oct 06 19:03:15 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)

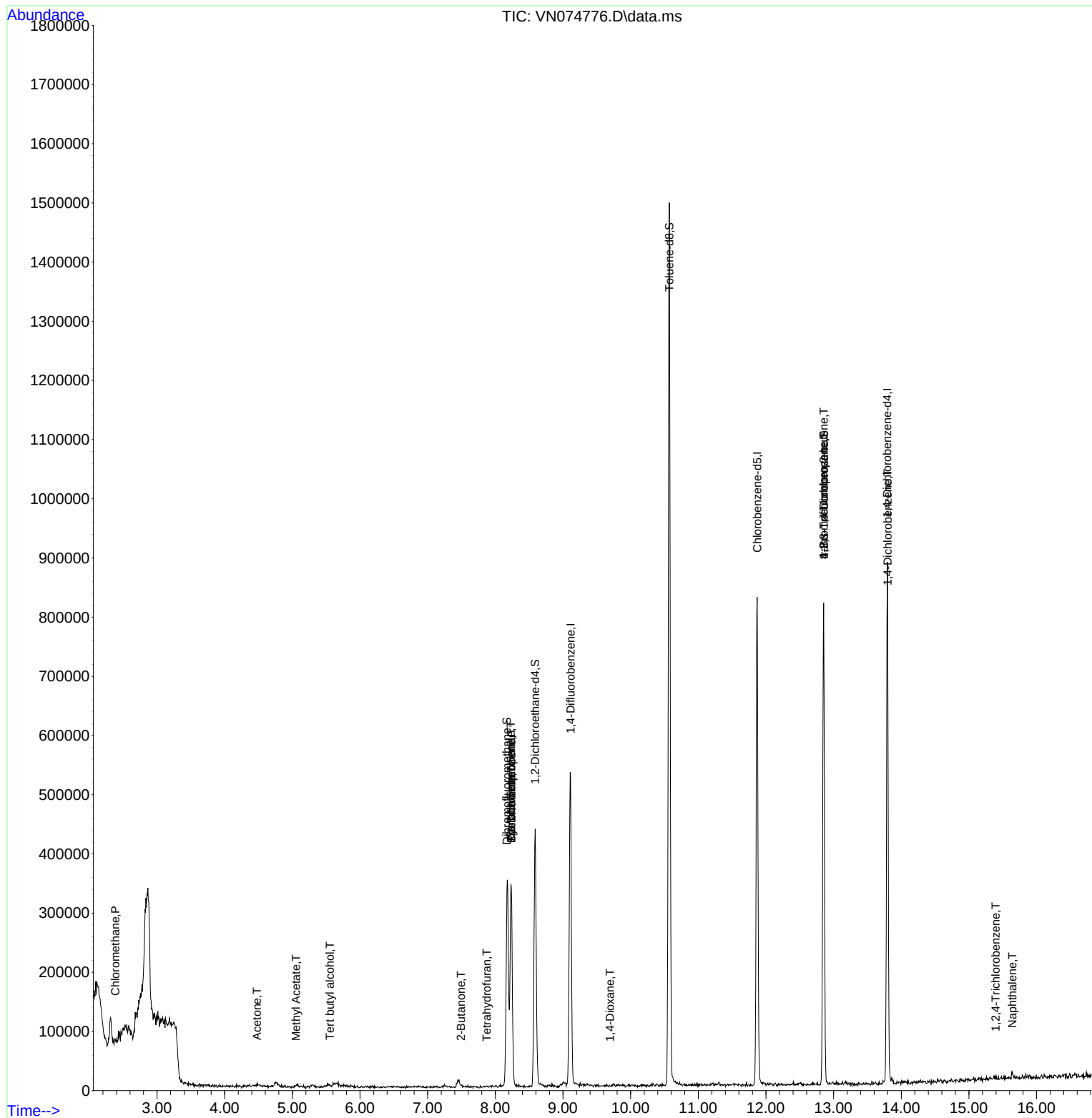
Internal Standards						
1) Pentafluorobenzene	8.236	168	242953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	460890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	457421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	216977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	314617	54.654	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.300%			
35) Dibromofluoromethane	8.171	113	252533	54.231	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.460%			
50) Toluene-d8	10.571	98	1029593	51.528	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.060%			
62) 4-Bromofluorobenzene	12.853	95	259790	42.771	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 85.540%			
Target Compounds						Qvalue
3) Chloromethane	2.383	50	2570	0.347	ug/l	91
11) Tert butyl alcohol	5.553	59	434	0.225	ug/l #	74
13) Acrolein	4.200	56	365	Below Cal	#	1
16) Acetone	4.477	43	2372	0.727	ug/l #	76
18) Methyl Acetate	5.053	43	3766	0.312	ug/l #	63
20) Methylene Chloride	5.300	84	1491	Below Cal	#	74
25) 2-Butanone	7.494	43	1656	0.280	ug/l #	48
29) Tetrahydrofuran	7.871	42	931	0.226	ug/l #	68
31) Cyclohexane	8.236	56	6590	0.662	ug/l #	23
36) 1,1-Dichloropropene	8.236	75	23476	3.115	ug/l #	50
38) Carbon Tetrachloride	8.230	117	25288	3.558	ug/l #	15
49) 1,4-Dioxane	9.694	88	56	0.337	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.941	83	117	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.853	75	149260	23.048	ug/l #	1
77) Bromobenzene	12.982	156	142	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	149260	44.905	ug/l #	14
88) 1,4-Dichlorobenzene	13.800	146	1905	0.244	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.394	180	1079	0.309	ug/l #	66
95) Naphthalene	15.641	128	7157	0.475	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.829	180	945	Below Cal		85

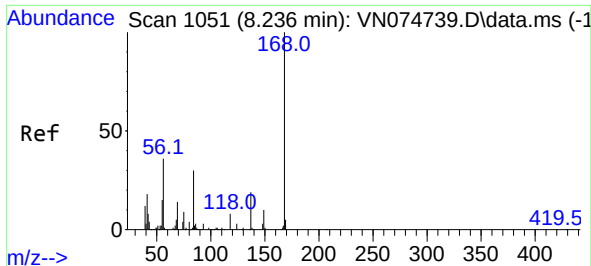
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Oct 06 19:03:15 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

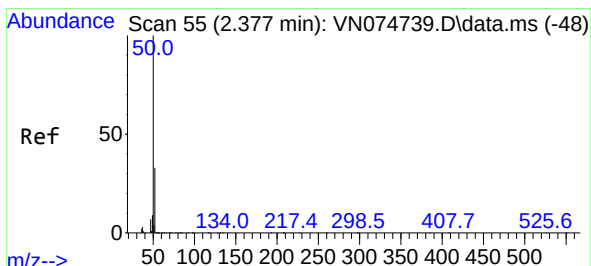
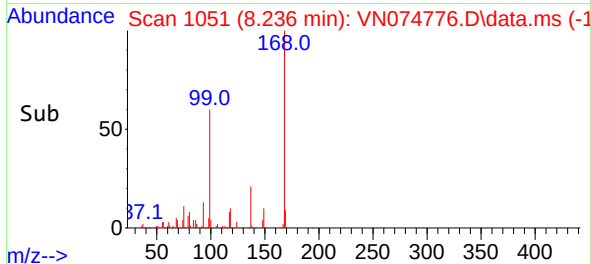
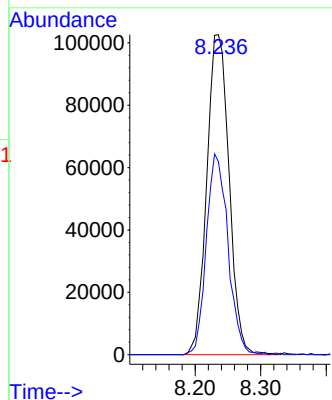
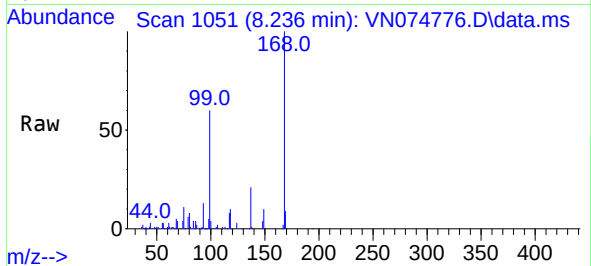




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

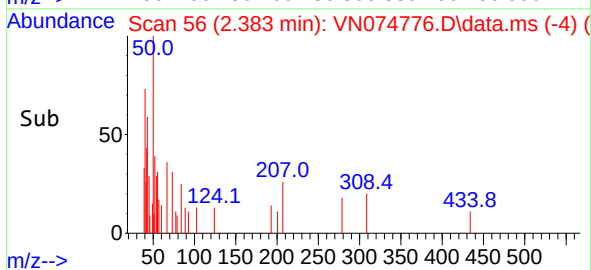
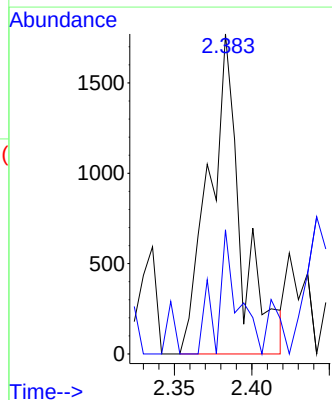
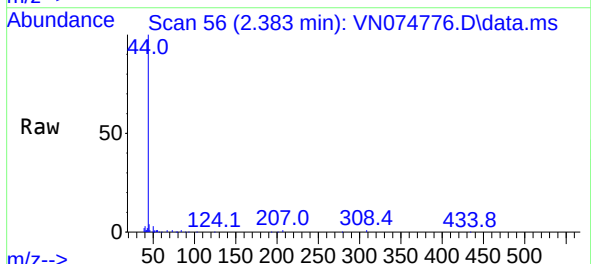
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MSVOA_N
ClientSampleId :
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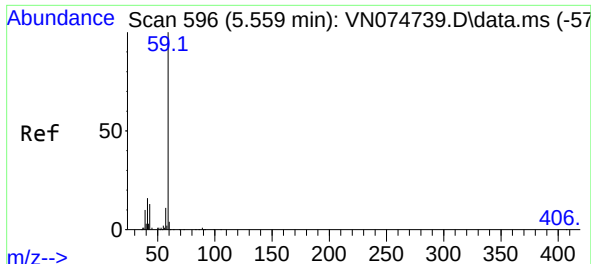
Tgt Ion:168 Resp: 242953
Ion Ratio Lower Upper
168 100
99 60.3 42.8 64.2



#3
Chloromethane
Concen: 0.347 ug/l
RT: 2.383 min Scan# 56
Delta R.T. 0.006 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

Tgt Ion: 50 Resp: 2570
Ion Ratio Lower Upper
50 100
52 38.8 26.7 40.1





#11

Tert butyl alcohol

Concen: 0.225 ug/l

RT: 5.553 min Scan# 59

Delta R.T. -0.006 min

Lab File: VN074776.D

Acq: 06 Oct 2022 12:15

Instrument :

MSVOA_N

ClientSampleId :

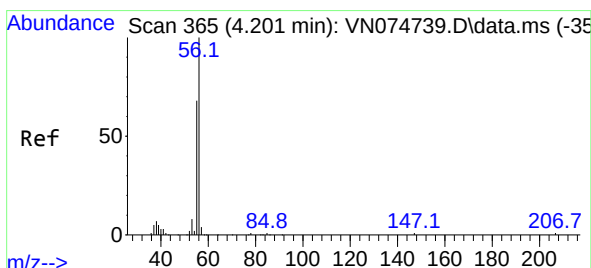
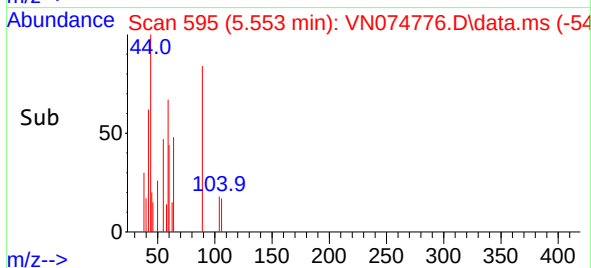
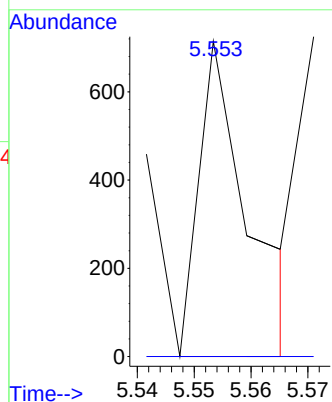
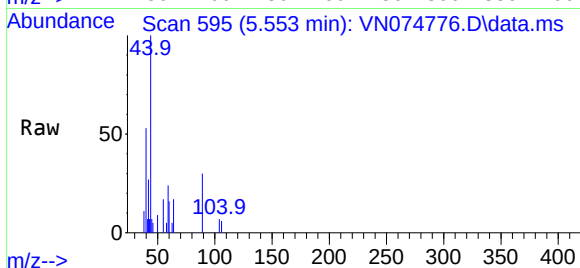
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Tgt Ion: 59 Resp: 434

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. -0.000 min

Lab File: VN074776.D

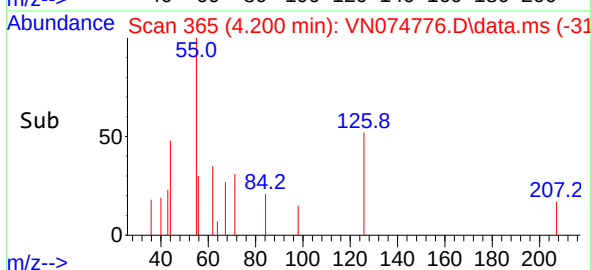
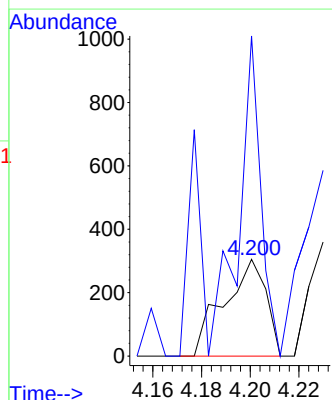
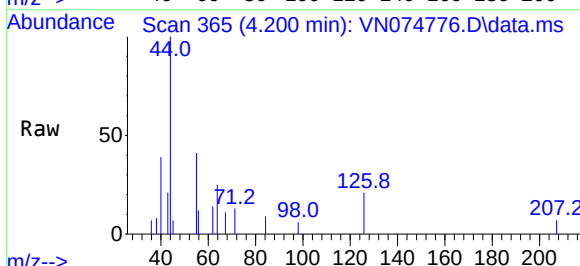
Acq: 06 Oct 2022 12:15

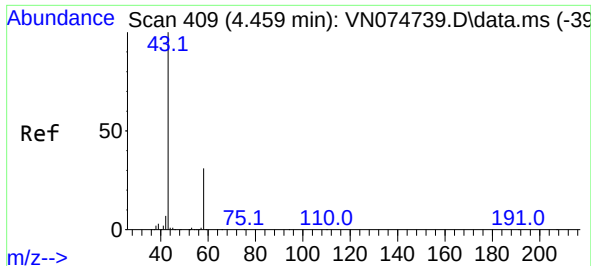
Tgt Ion: 56 Resp: 365

Ion Ratio Lower Upper

56 100

55 177.3 54.9 82.3#

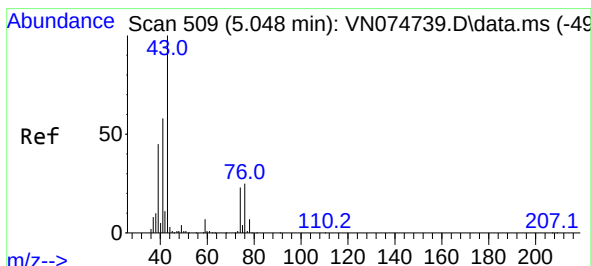
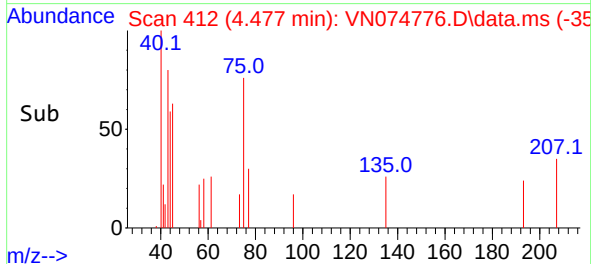
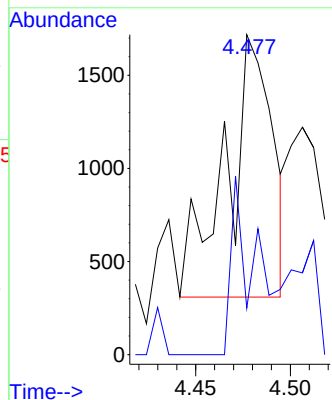
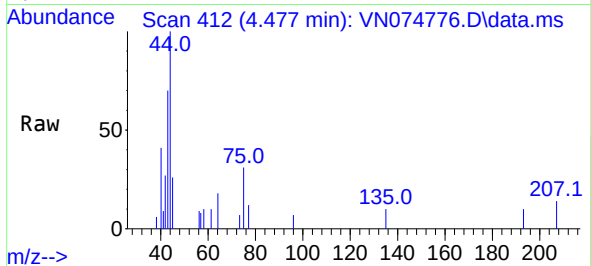




#16
Acetone
Concen: 0.727 ug/l
RT: 4.477 min Scan# 411
Delta R.T. 0.018 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

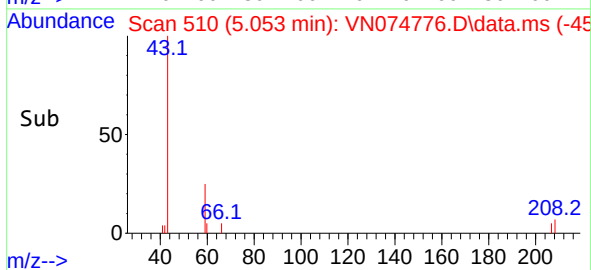
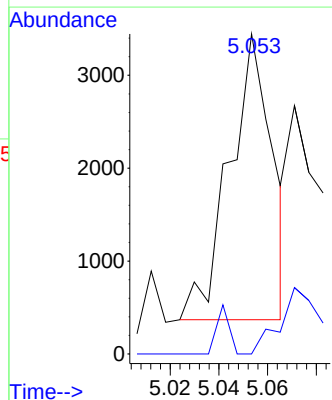
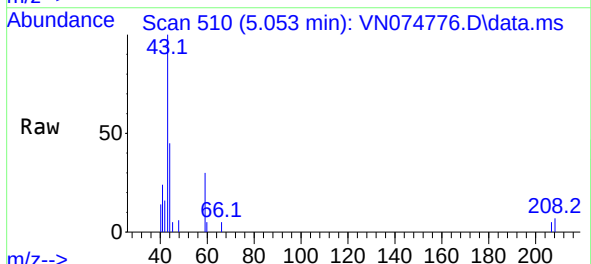
Instrument :
MSVOA_N
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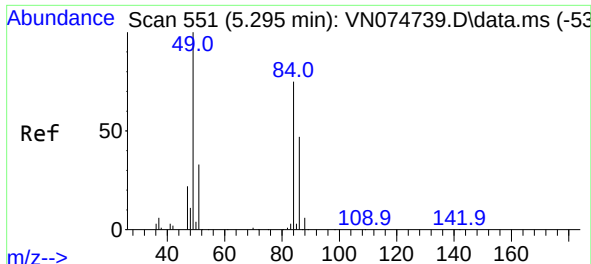
Tgt Ion: 43 Resp: 2372
Ion Ratio Lower Upper
43 100
58 17.7 24.9 37.3#



#18
Methyl Acetate
Concen: 0.312 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.006 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

Tgt Ion: 43 Resp: 3766
Ion Ratio Lower Upper
43 100
74 5.0 18.5 27.7#

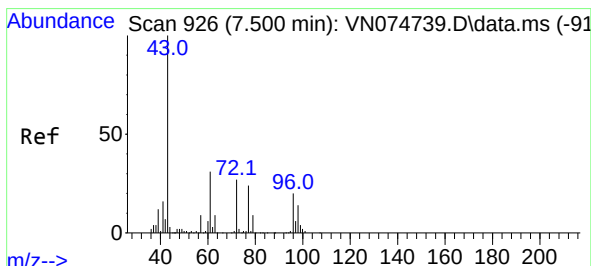
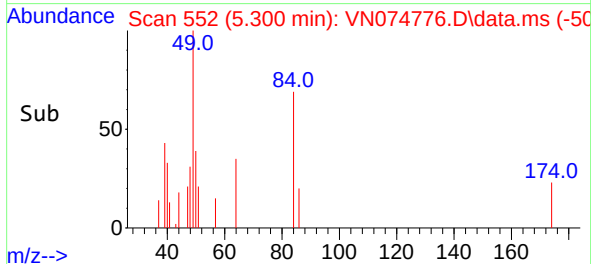
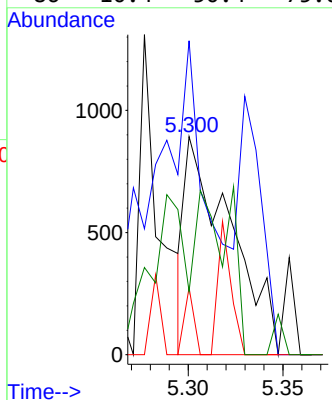
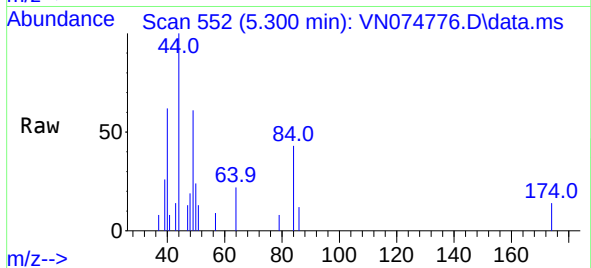




#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

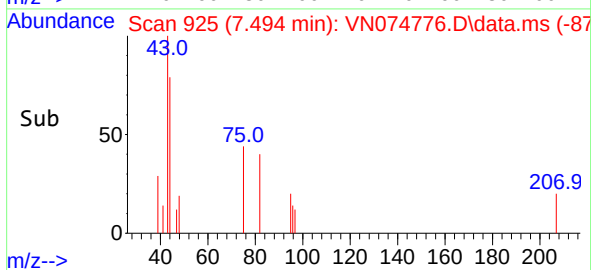
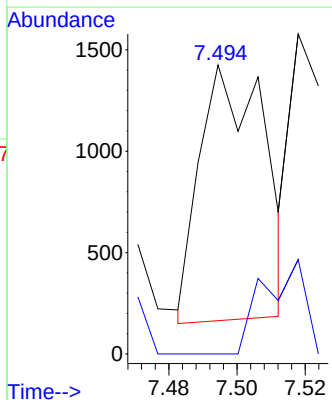
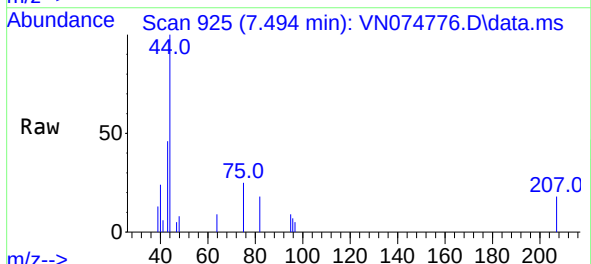
Instrument :
MSVOA_N
ClientSampleId :
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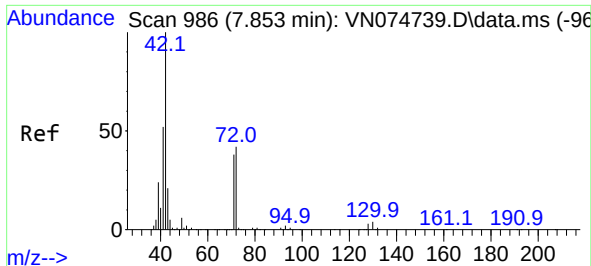
Tgt Ion: 84 Resp: 1491
Ion Ratio Lower Upper
84 100
49 143.9 107.4 161.0
51 30.8 35.1 52.7#
86 10.4 50.4 75.6#



#25
2-Butanone
Concen: 0.280 ug/l
RT: 7.494 min Scan# 925
Delta R.T. -0.006 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

Tgt Ion: 43 Resp: 1656
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#

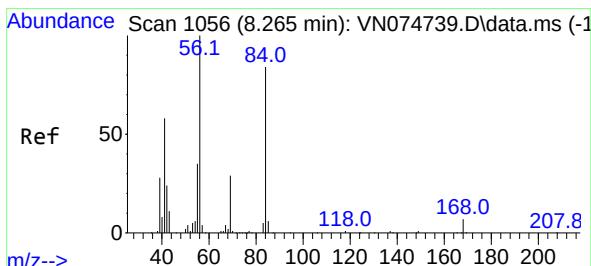
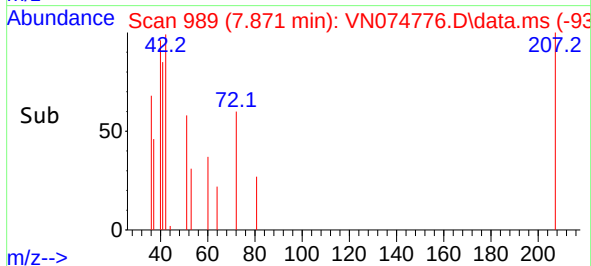
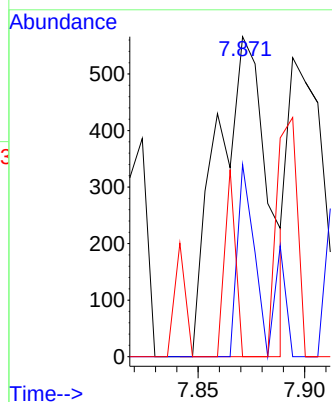
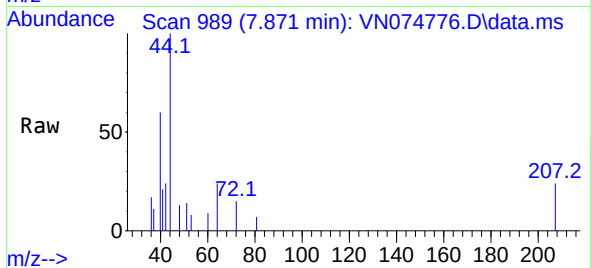




#29
Tetrahydrofuran
Concen: 0.226 ug/l
RT: 7.871 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

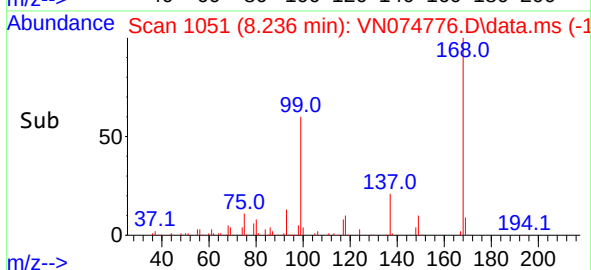
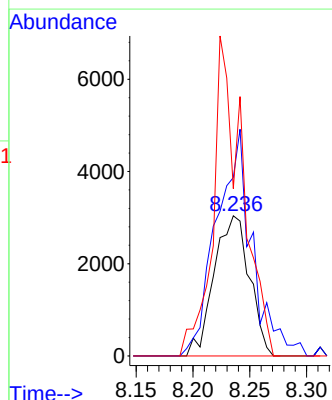
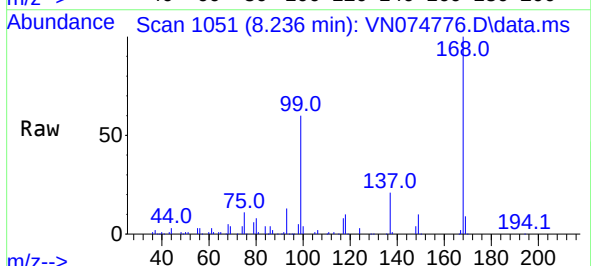
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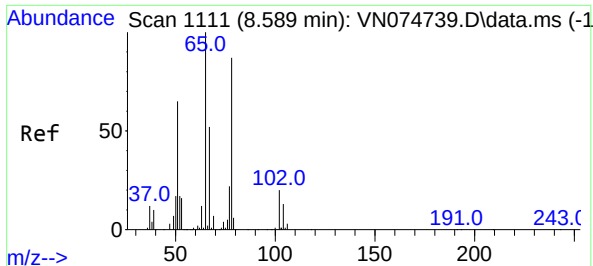
Tgt Ion: 42	Resp: 931
Ion Ratio	Lower Upper
42	100
72	27.3 33.0 49.6#
71	12.6 30.4 45.6#



#31
Cyclohexane
Concen: 0.662 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.030 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

Tgt Ion: 56	Resp: 6590
Ion Ratio	Lower Upper
56	100
69	127.4 23.1 34.7#
84	119.5 67.1 100.7#

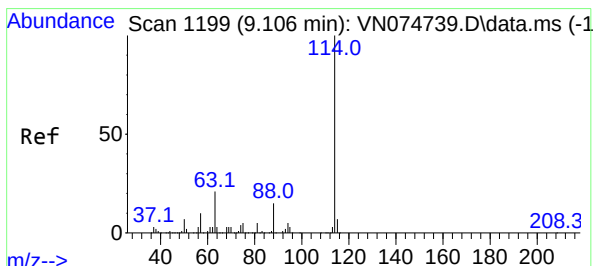
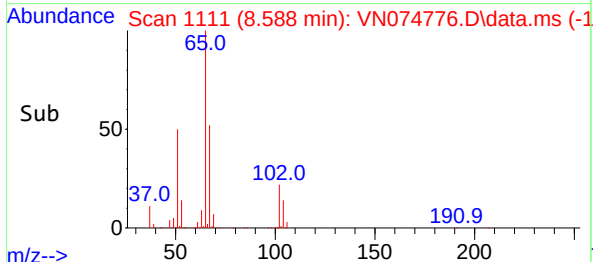
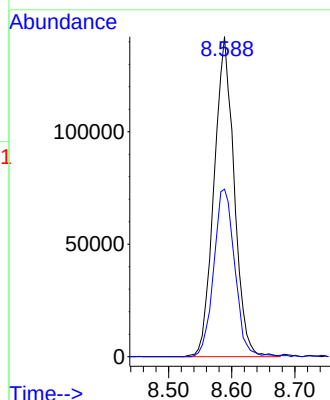
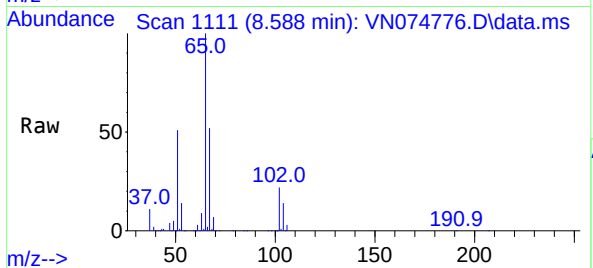




#33
1,2-Dichloroethane-d4
Concen: 54.654 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

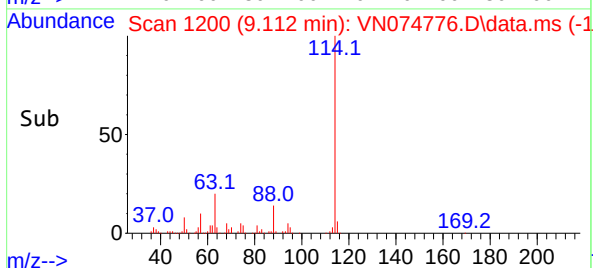
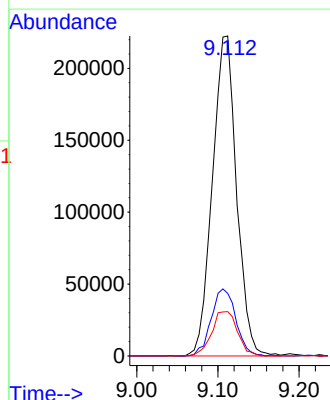
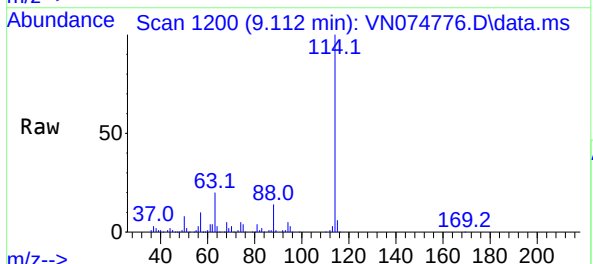
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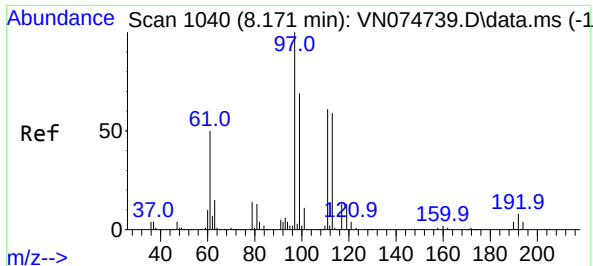
Tgt Ion: 65 Resp: 314617
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1200
Delta R.T. 0.006 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

Tgt Ion: 114 Resp: 460890
Ion Ratio Lower Upper
114 100
63 19.5 0.0 41.2
88 13.9 0.0 30.2

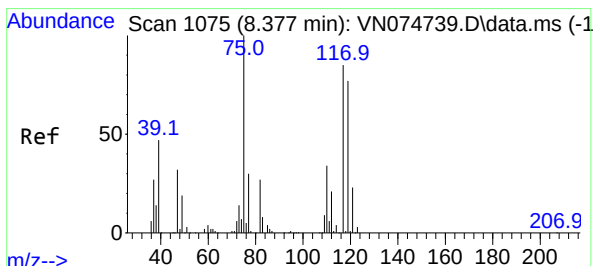
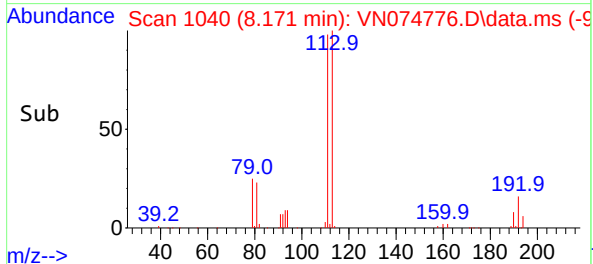
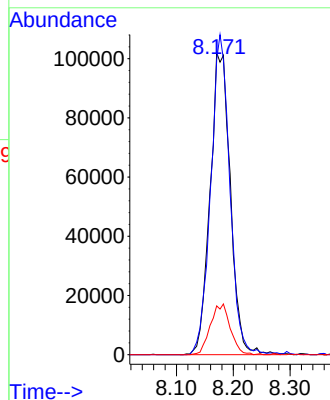
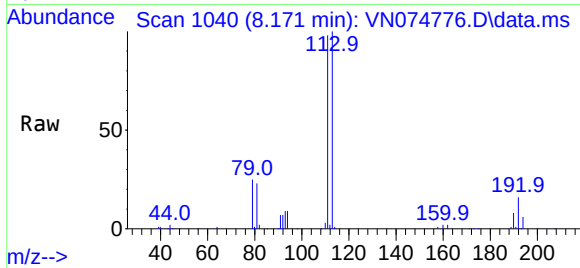




#35
Dibromofluoromethane
Concen: 54.231 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

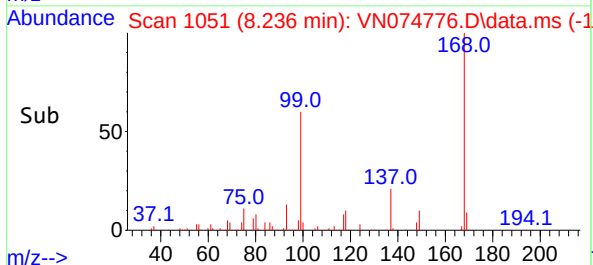
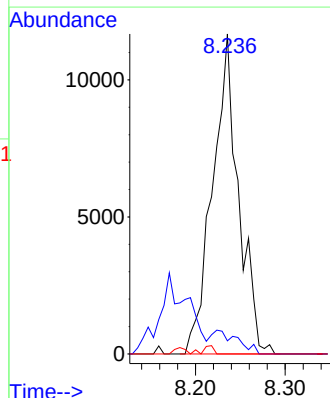
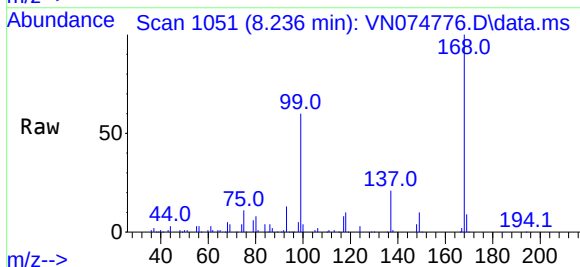
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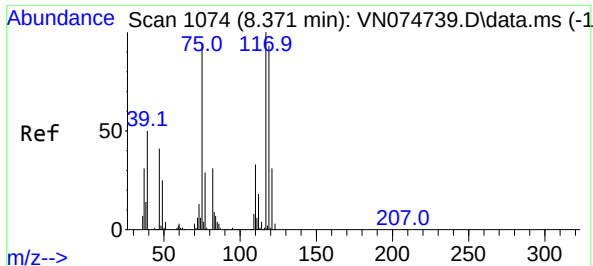
Tgt Ion:113 Resp: 252533
Ion Ratio Lower Upper
113 100
111 99.5 83.0 124.6
192 16.4 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.115 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

Tgt Ion: 75 Resp: 23476
Ion Ratio Lower Upper
75 100
110 7.5 17.2 51.5#
77 1.1 24.3 36.5#

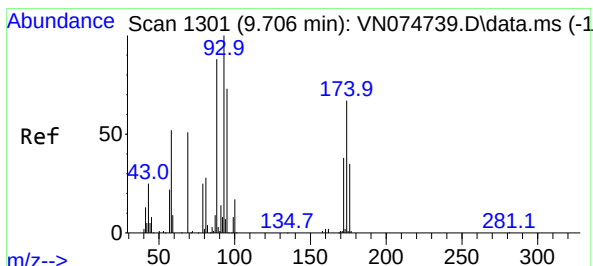
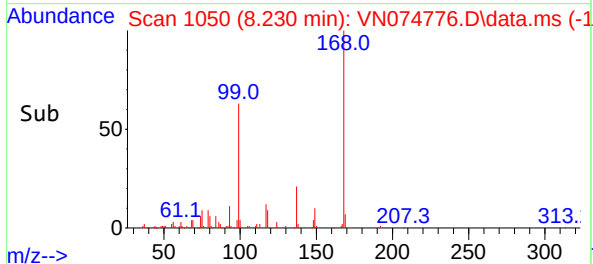
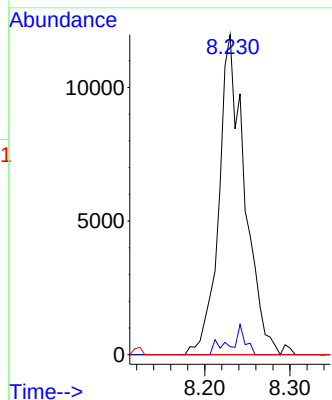
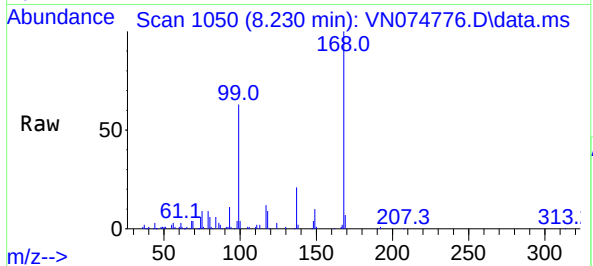




#38
Carbon Tetrachloride
Concen: 3.558 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

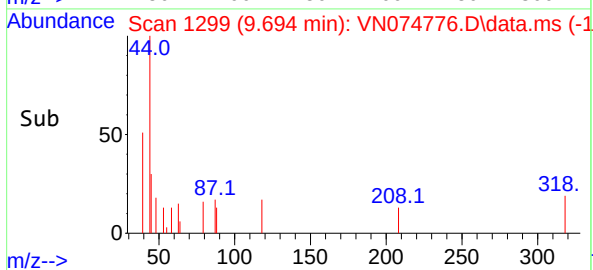
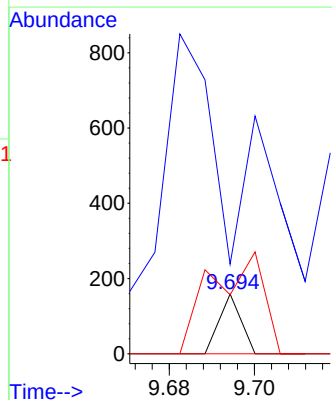
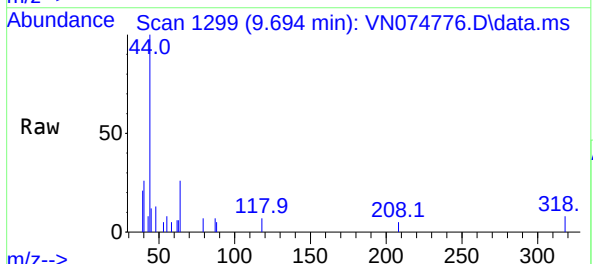
Instrument :
MSVOA_N
ClientSampleId :
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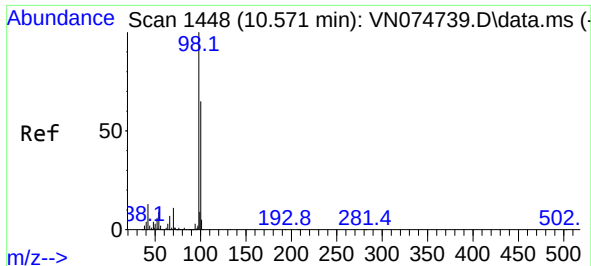
Tgt Ion:117 Resp: 25288
Ion Ratio Lower Upper
117 100
119 2.5 74.3 111.5#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 0.337 ug/l
RT: 9.694 min Scan# 1299
Delta R.T. -0.012 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 1355.4 23.4 35.2#
58 410.7 54.9 82.3#

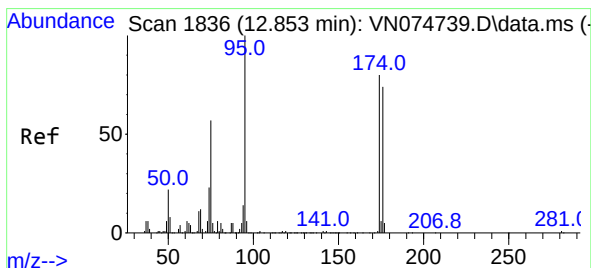
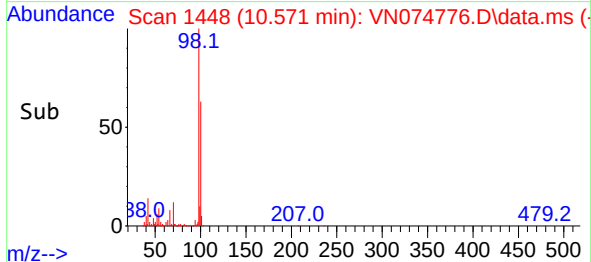
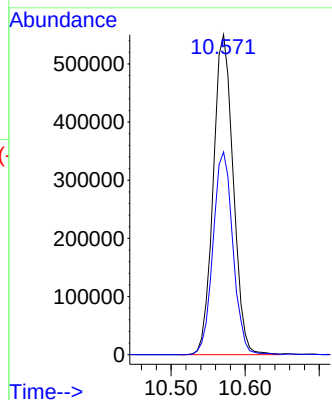
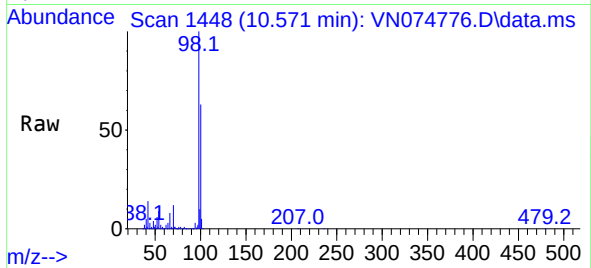




#50
Toluene-d8
Concen: 51.528 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

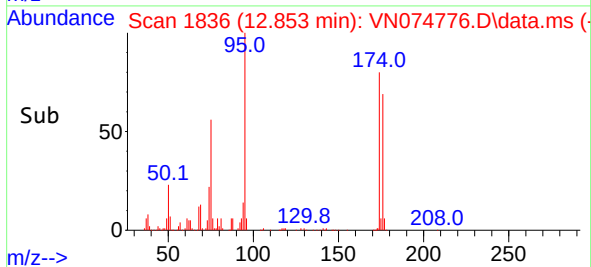
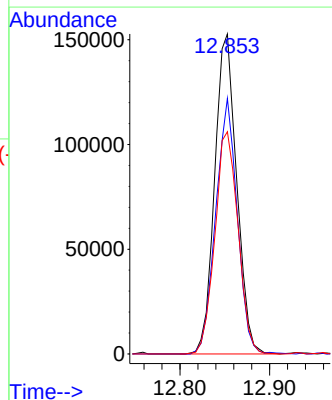
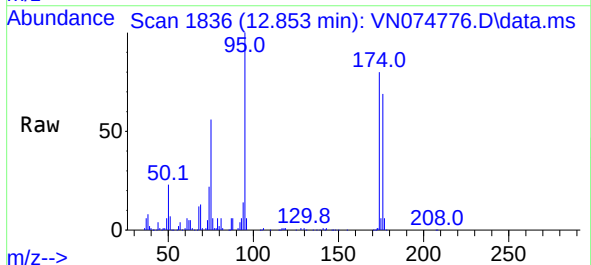
Instrument :
MSVOA_N
ClientSampleId :
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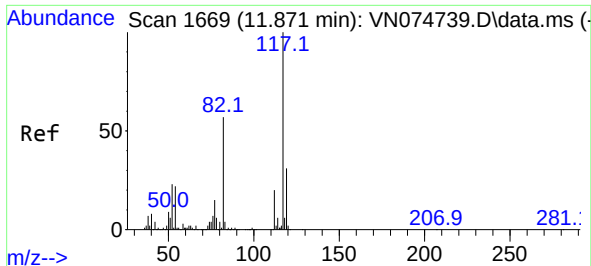
Tgt Ion: 98 Resp: 1029593
Ion Ratio Lower Upper
98 100
100 63.1 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 42.771 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

Tgt Ion: 95 Resp: 259790
Ion Ratio Lower Upper
95 100
174 78.1 0.0 149.4
176 73.2 0.0 142.0

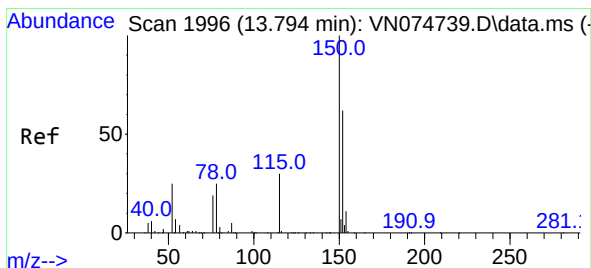
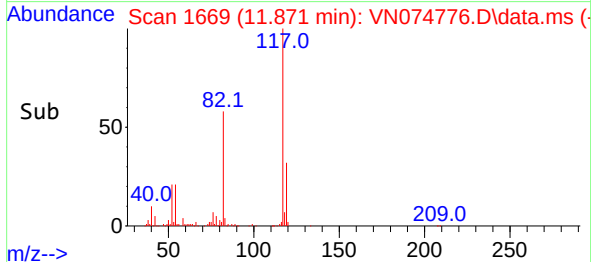
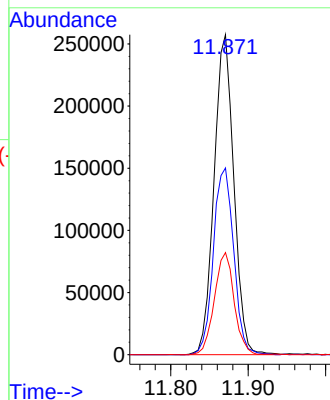
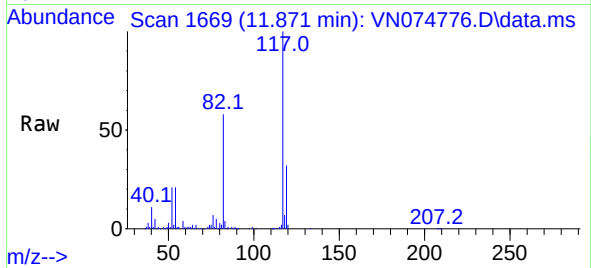




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

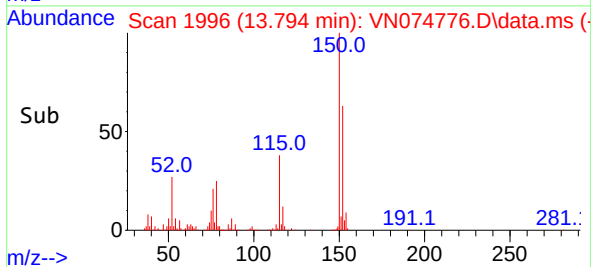
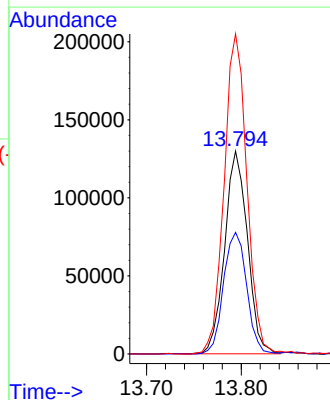
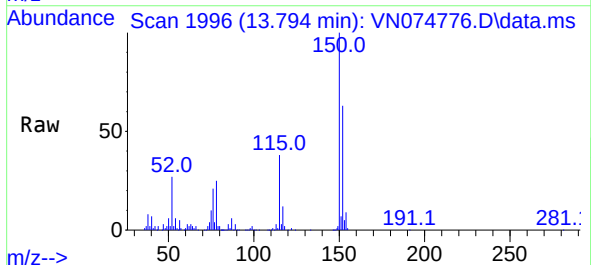
Instrument :
MSVOA_N
ClientSampleId :
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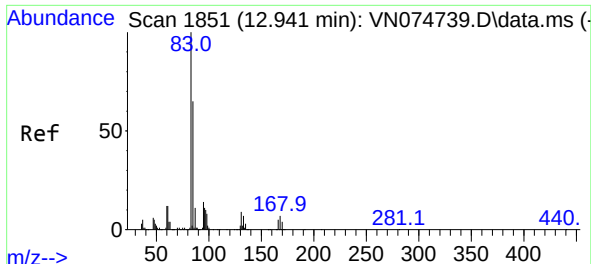
Tgt Ion:117 Resp: 457421
Ion Ratio Lower Upper
117 100
82 58.3 45.4 68.2
119 31.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

Tgt Ion:152 Resp: 216977
Ion Ratio Lower Upper
152 100
115 61.0 30.0 90.0
150 158.7 0.0 356.4

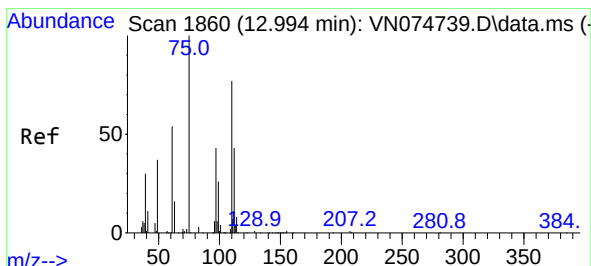
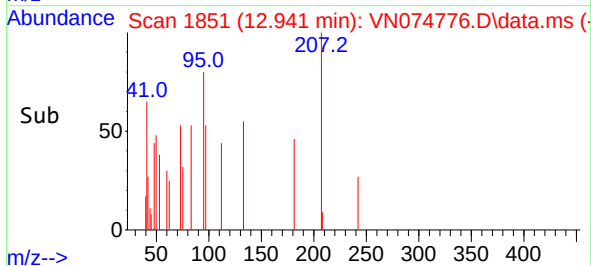
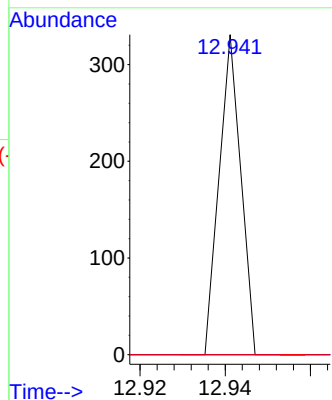
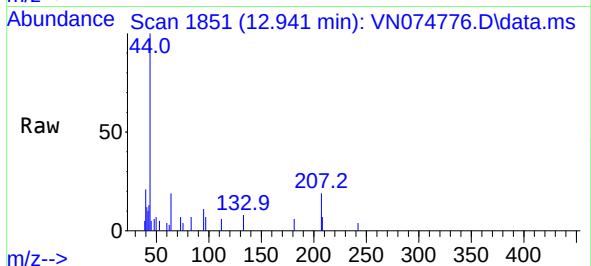




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.941 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

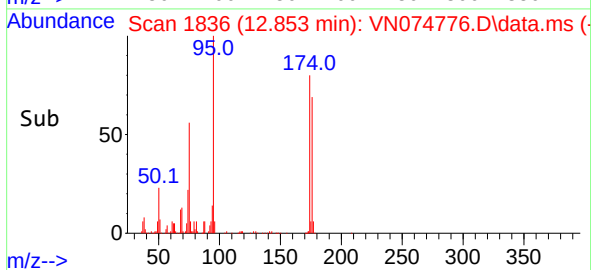
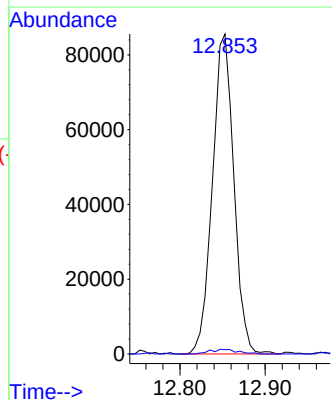
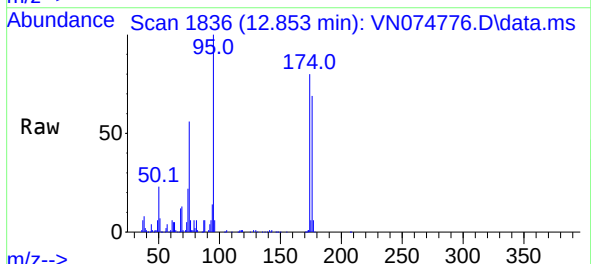
Instrument :
MSVOA_N
ClientSampleId :
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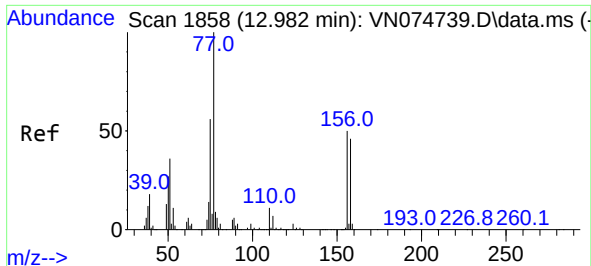
Tgt Ion: 83 Resp: 117
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 0.0 32.9 98.6#



#76
1,2,3-Trichloropropane
Concen: 23.048 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

Tgt Ion: 75 Resp: 149260
Ion Ratio Lower Upper
75 100
77 1.9 76.9 230.7#

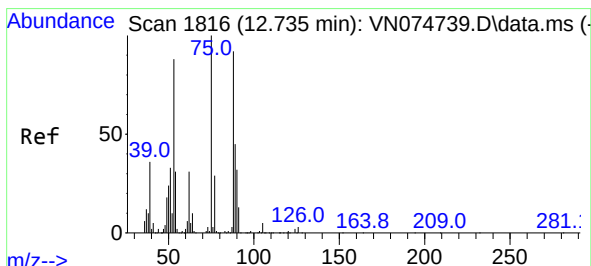
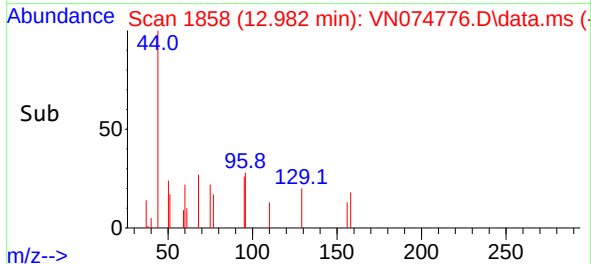
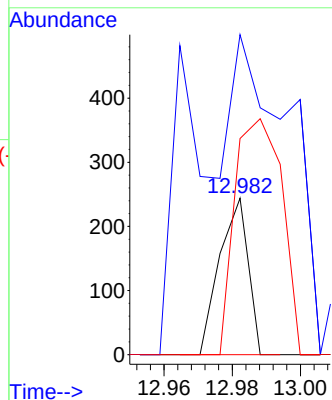
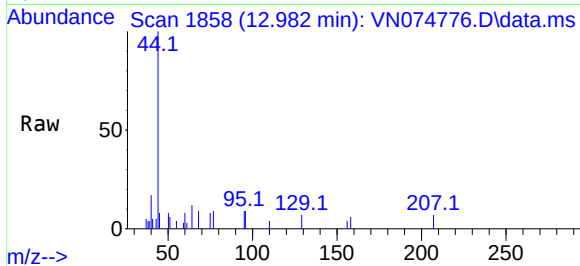




#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

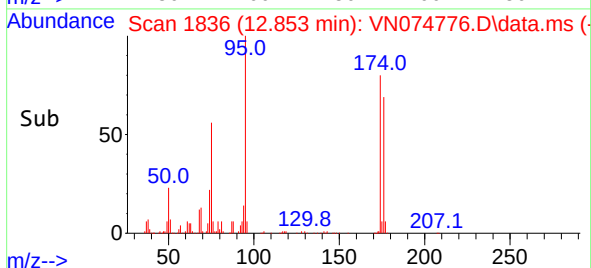
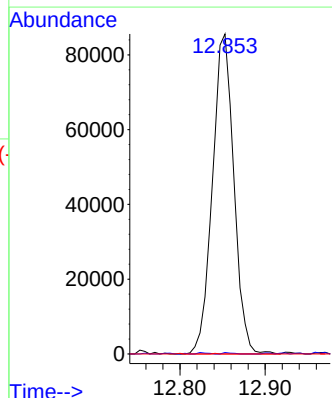
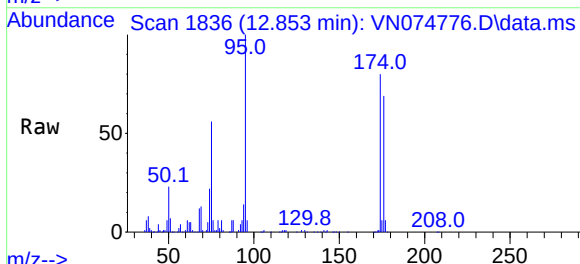
Instrument :
MSVOA_N
ClientSampleId :
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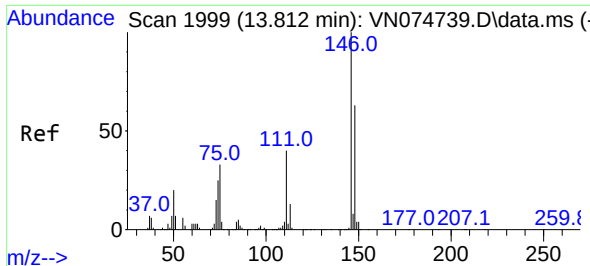
Tgt Ion:156 Resp: 142
Ion Ratio Lower Upper
156 100
77 666.9 124.7 374.1#
158 249.3 48.3 144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 44.905 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

Tgt Ion: 75 Resp: 149260
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.0#
89 0.0 32.1 48.1#

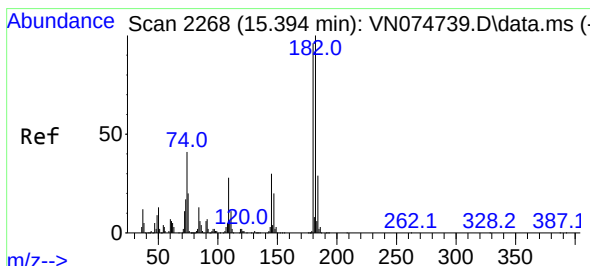
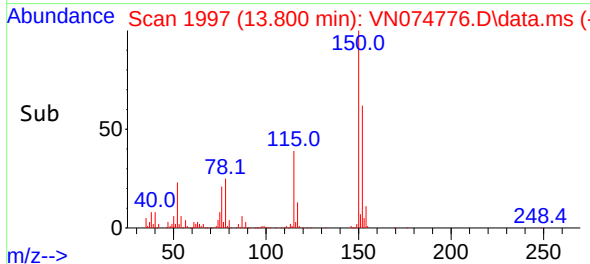
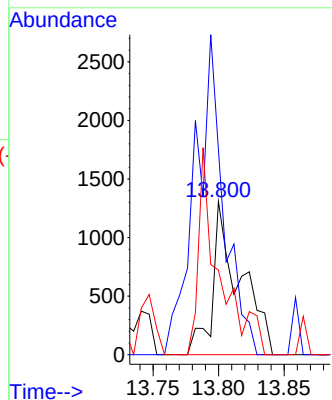
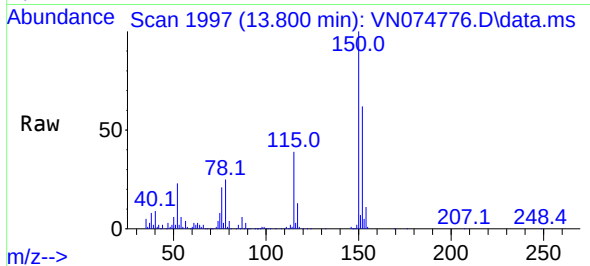




#88
 1,4-Dichlorobenzene
 Concen: 0.244 ug/l
 RT: 13.800 min Scan# 1999
 Delta R.T. -0.012 min
 Lab File: VN074776.D
 Acq: 06 Oct 2022 12:15

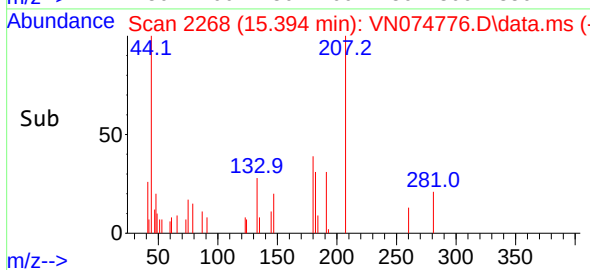
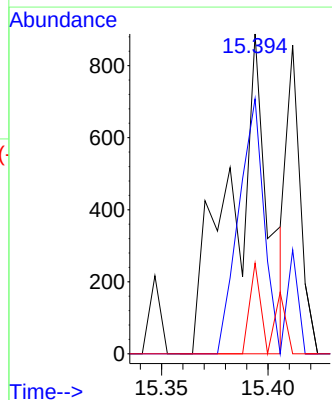
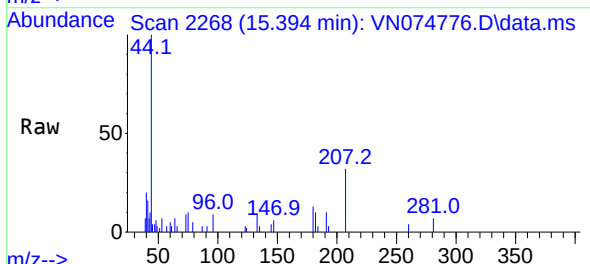
Instrument :
 MSVOA_N
 ClientSampleId :
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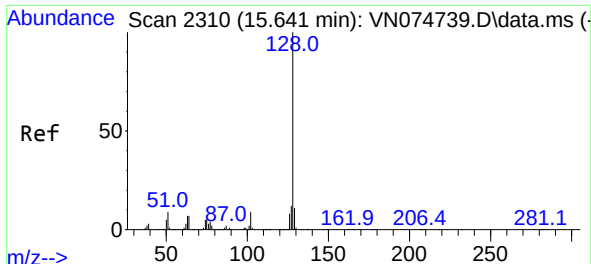
Tgt Ion:	146	Resp:	1905
Ion	Ratio	Lower	Upper
146	100		
111	218.2	19.9	59.6#
148	101.5	31.8	95.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.309 ug/l
 RT: 15.394 min Scan# 2268
 Delta R.T. -0.000 min
 Lab File: VN074776.D
 Acq: 06 Oct 2022 12:15

Tgt Ion:	180	Resp:	1079
Ion	Ratio	Lower	Upper
180	100		
182	63.8	48.5	145.5
145	13.8	16.1	48.3#

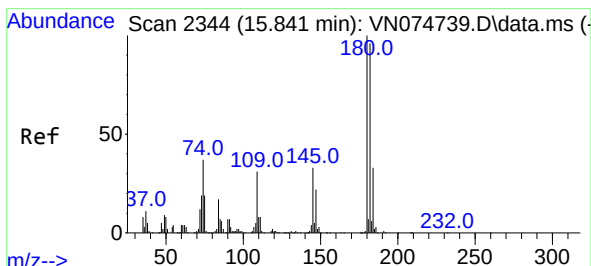
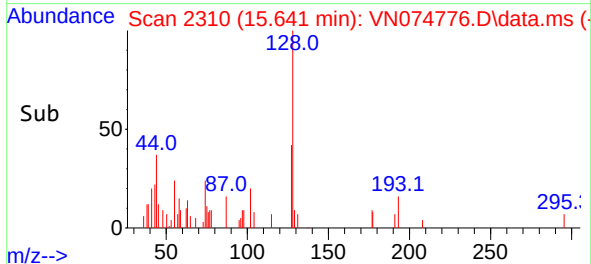
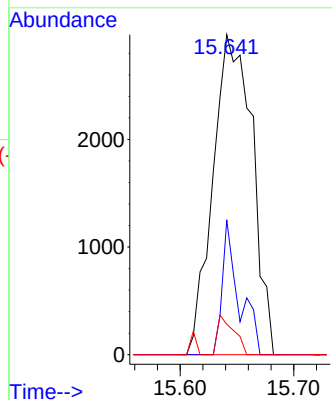
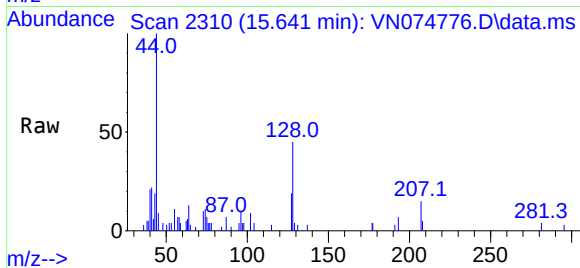




#95
Naphthalene
Concen: 0.475 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:128 Resp: 7157
Ion Ratio Lower Upper
128 100
127 17.9 10.2 15.2#
129 5.2 9.0 13.4#



#96
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 15.829 min Scan# 2342
Delta R.T. -0.012 min
Lab File: VN074776.D
Acq: 06 Oct 2022 12:15

Tgt Ion:180 Resp: 945
Ion Ratio Lower Upper
180 100
182 107.6 47.3 142.0
145 22.4 17.1 51.2

