

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074537.D
 Acq On : 17 Sep 2022 02:56
 Operator : JC\MD
 Sample : N4549-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-53

Quant Time: Sep 17 06:18:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

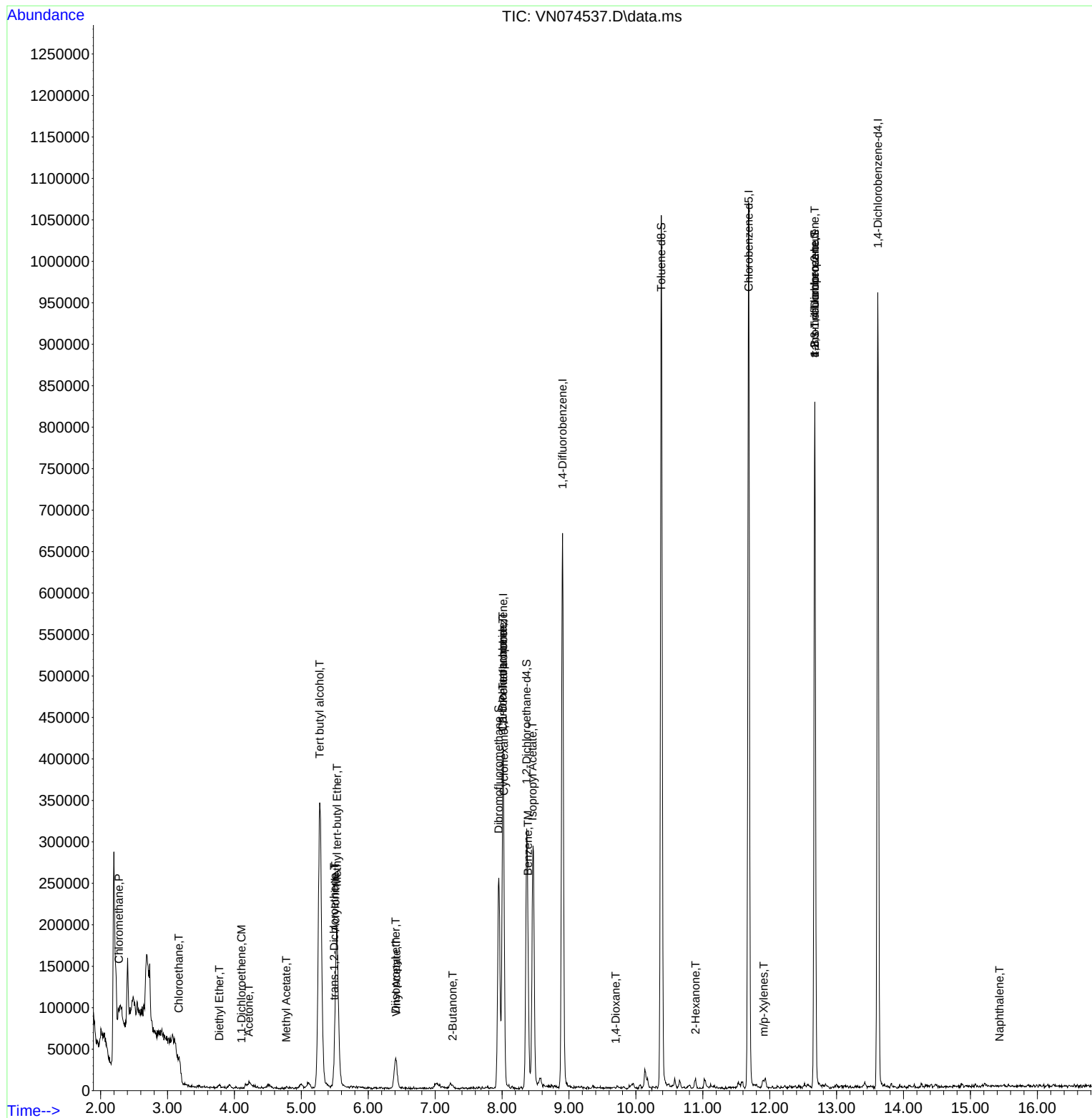
Internal Standards						
1) Pentafluorobenzene	8.016	168	278462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	545759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	536020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	224676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	221725	46.928	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.860%
35) Dibromofluoromethane	7.951	113	182018	50.207	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.420%
50) Toluene-d8	10.380	98	666324	47.524	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.040%
62) 4-Bromofluorobenzene	12.674	95	252478	52.577	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.275	50	2665	0.778	ug/l #	43
6) Chloroethane	3.169	64	4714	1.265	ug/l #	54
8) Diethyl Ether	3.775	74	1303	0.424	ug/l	83
11) Tert butyl alcohol	5.275	59	644535	418.770	ug/l	99
12) 1,1-Dichloroethene	4.104	96	72	0.704	ug/l #	1
15) Acrylonitrile	5.510	53	2134	0.617	ug/l #	34
16) Acetone	4.216	43	9347	3.092	ug/l #	82
18) Methyl Acetate	4.775	43	2363	0.252	ug/l #	62
19) Methyl tert-butyl Ether	5.534	73	290807	18.814	ug/l	96
21) trans-1,2-Dichloroethene	5.493	96	120	0.459	ug/l #	1
22) Diisopropyl ether	6.410	45	46893	2.667	ug/l	92
23) Vinyl Acetate	6.422	43	27527	1.775	ug/l #	68
25) 2-Butanone	7.263	43	1824	0.363	ug/l #	69
31) Cyclohexane	8.028	56	12429	1.482	ug/l #	64
36) 1,1-Dichloropropene	8.010	75	27498	4.285	ug/l #	48
38) Carbon Tetrachloride	8.010	117	29229	4.933	ug/l #	16
40) Benzene	8.386	78	46445	2.341	ug/l	99
43) Isopropyl Acetate	8.457	43	71864	4.629	ug/l #	54
49) 1,4-Dioxane	9.698	88	118	0.892	ug/l #	1
59) 2-Hexanone	10.892	43	8659	1.119	ug/l	66
68) m/p-Xylenes	11.910	106	2630	0.288	ug/l	74
76) 1,2,3-Trichloropropane	12.674	75	148795	21.516	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	148795	46.437	ug/l #	10
95) Naphthalene	15.433	128	640	1.621	ug/l #	69

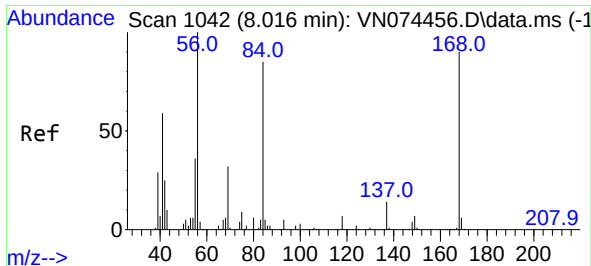
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
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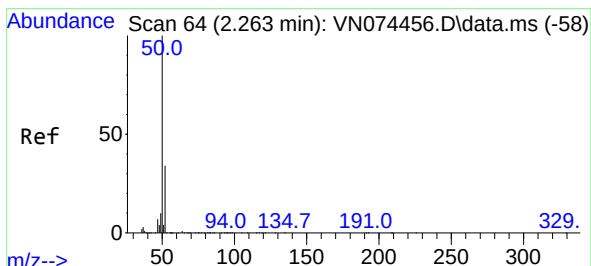
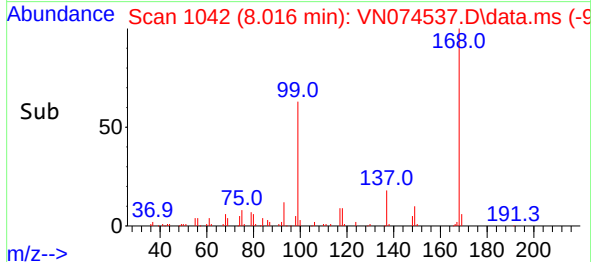
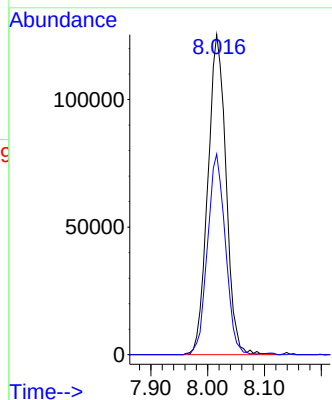
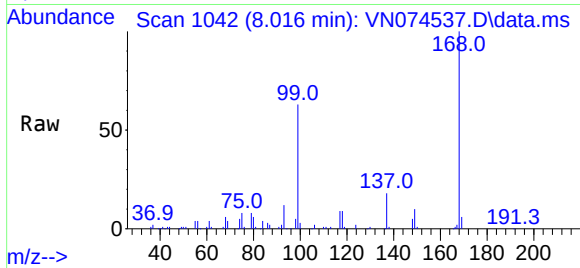




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

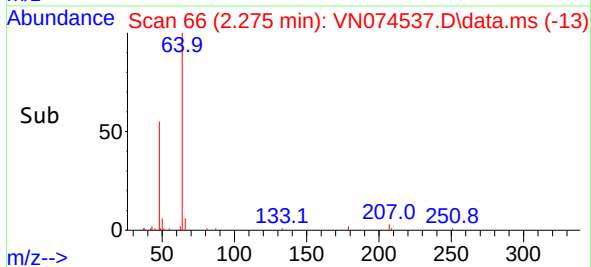
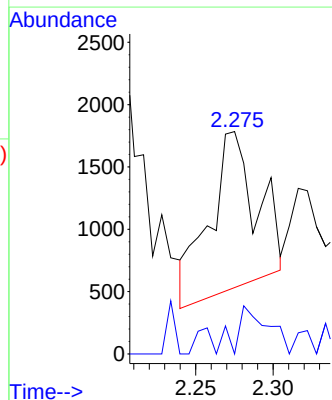
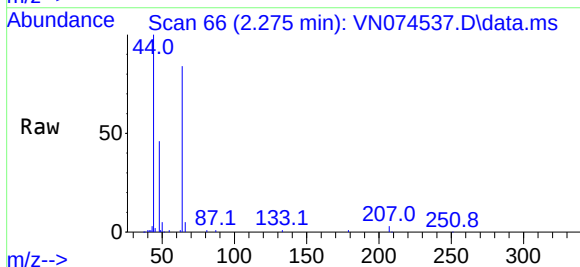
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MW-53

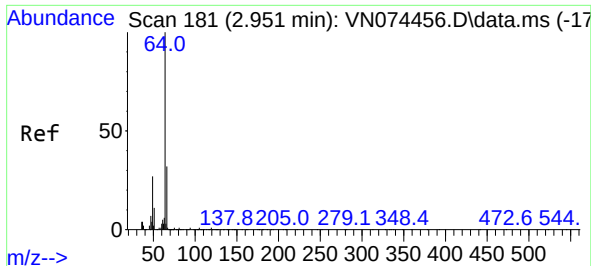
Tgt Ion:168 Resp: 278462
Ion Ratio Lower Upper
168 100
99 62.6 42.3 63.5



#3
Chloromethane
Concen: 0.778 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.012 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

Tgt Ion: 50 Resp: 2665
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

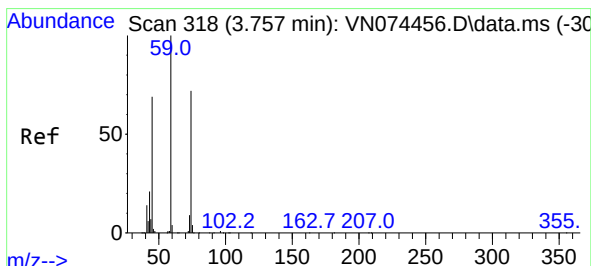
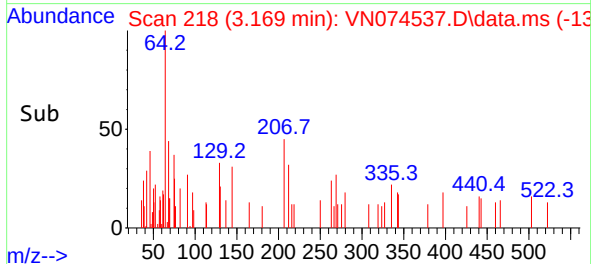
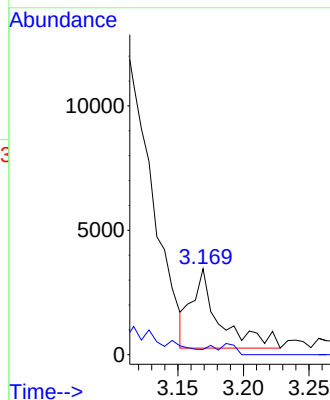
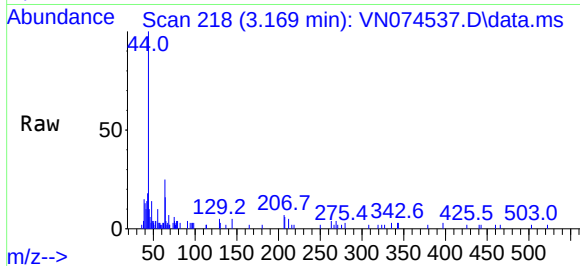




#6
Chloroethane
Concen: 1.265 ug/l
RT: 3.169 min Scan# 21
Delta R.T. 0.218 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

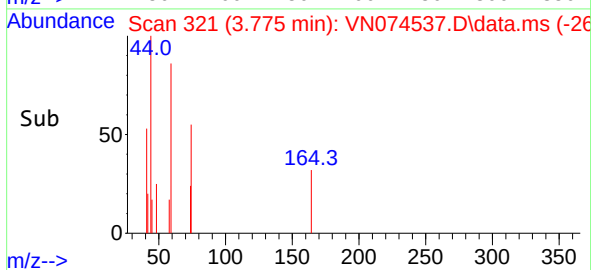
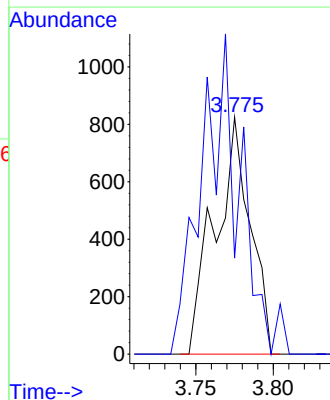
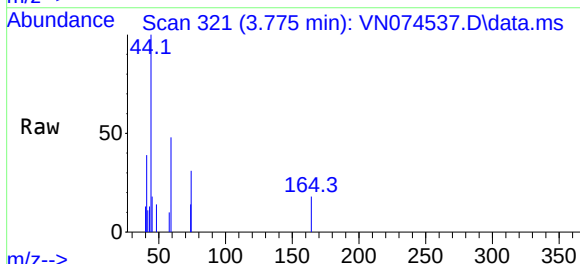
Instrument :
MSVOA_N
ClientSampleId :
MW-53

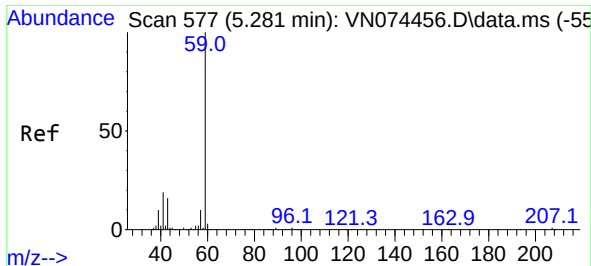
Tgt Ion: 64 Resp: 4714
Ion Ratio Lower Upper
64 100
66 6.6 26.2 39.4#



#8
Diethyl Ether
Concen: 0.424 ug/l
RT: 3.775 min Scan# 321
Delta R.T. 0.018 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

Tgt Ion: 74 Resp: 1303
Ion Ratio Lower Upper
74 100
45 69.8 42.9 128.5

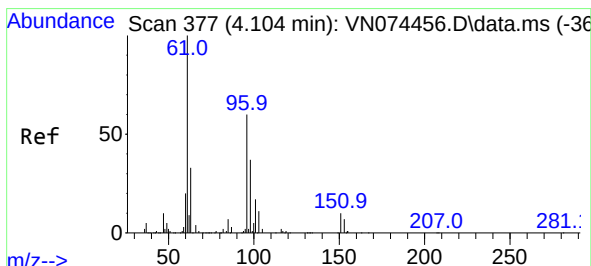
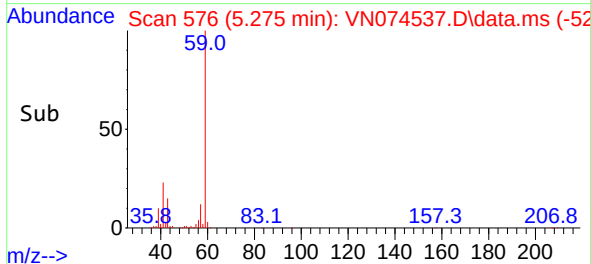
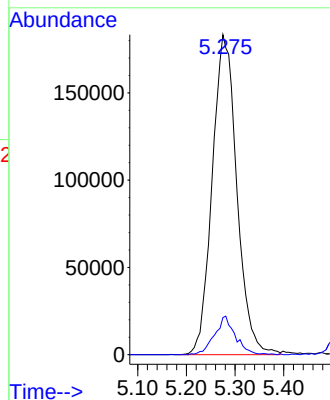
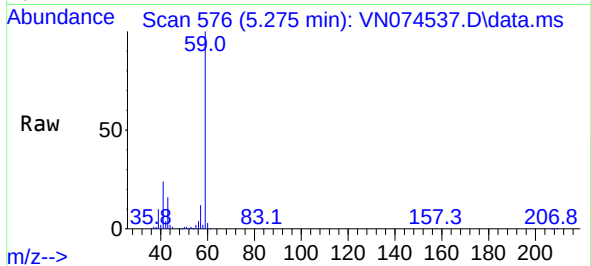




#11
Tert butyl alcohol
Concen: 418.770 ug/l
RT: 5.275 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

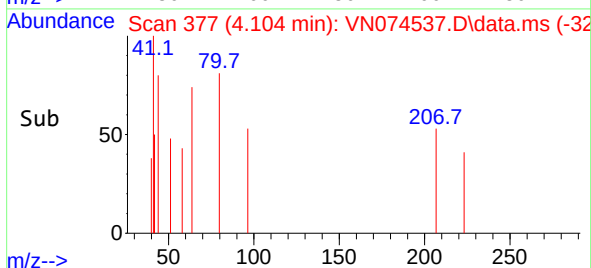
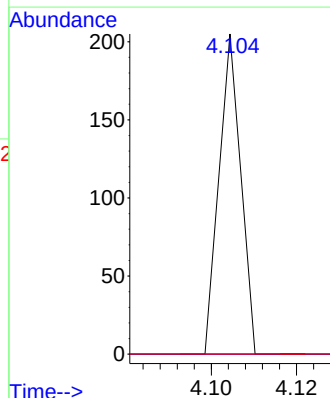
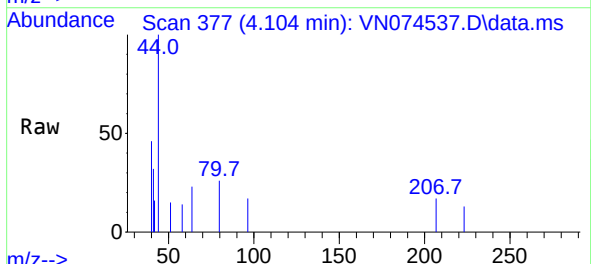
Instrument :
MSVOA_N
ClientSampleId :
MW-53

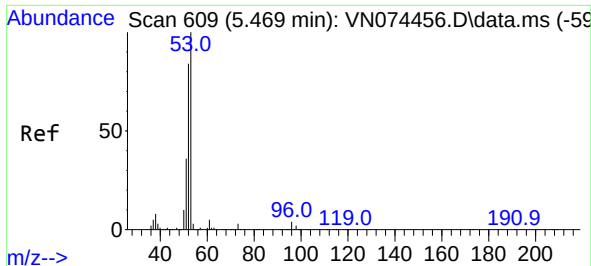
Tgt Ion: 59 Resp: 644535
Ion Ratio Lower Upper
59 100
57 10.1 8.3 12.5



#12
1,1-Dichloroethene
Concen: 0.704 ug/l
RT: 4.104 min Scan# 377
Delta R.T. 0.000 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

Tgt Ion: 96 Resp: 72
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#

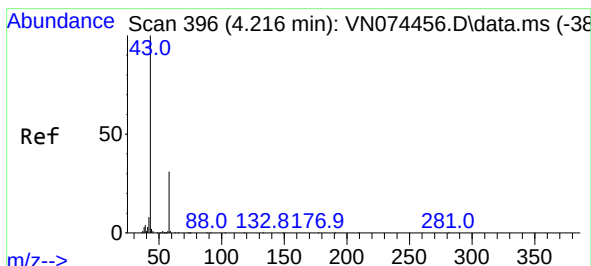
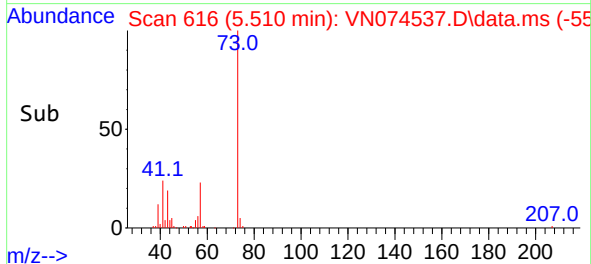
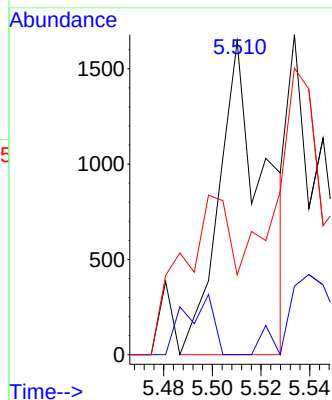
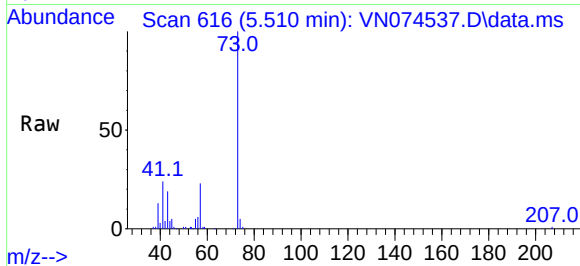




#15
Acrylonitrile
Concen: 0.617 ug/l
RT: 5.510 min Scan# 611
Delta R.T. 0.041 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

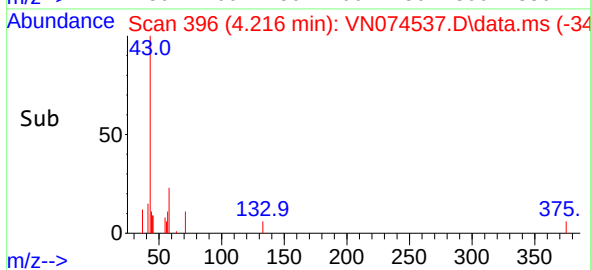
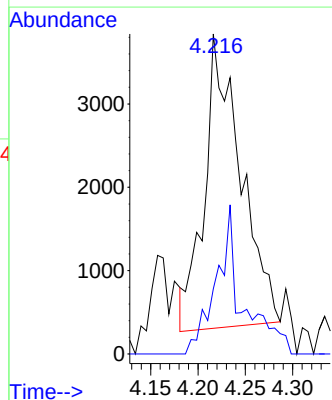
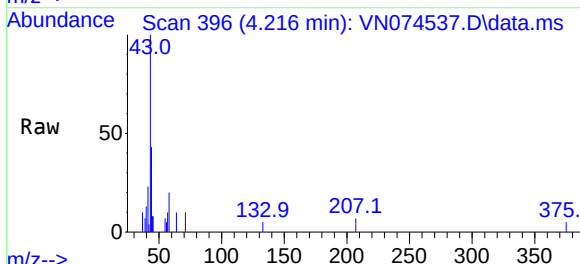
Instrument :
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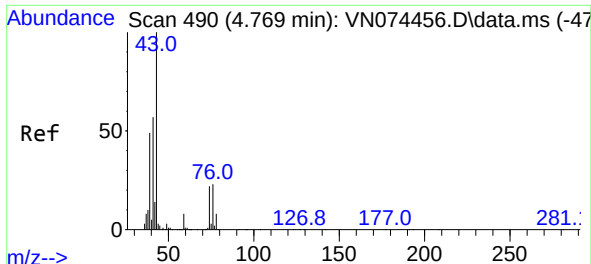
Tgt Ion: 53 Resp: 2134
Ion Ratio Lower Upper
53 100
52 12.1 66.4 99.6#
51 57.0 28.5 42.7#



#16
Acetone
Concen: 3.092 ug/l
RT: 4.216 min Scan# 396
Delta R.T. 0.000 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

Tgt Ion: 43 Resp: 9347
Ion Ratio Lower Upper
43 100
58 22.6 26.0 39.0#

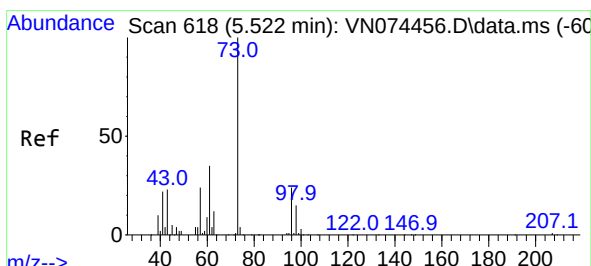
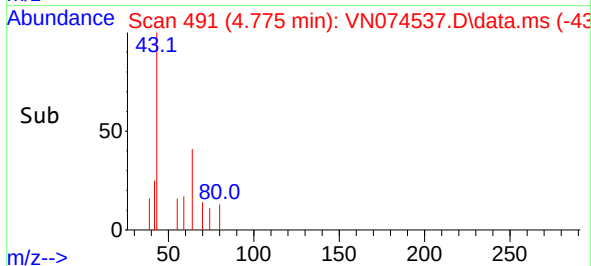
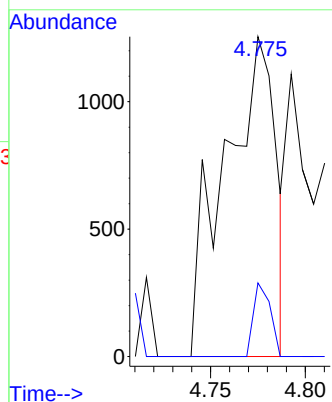
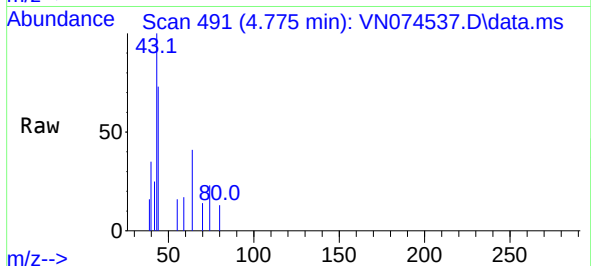




#18
Methyl Acetate
Concen: 0.252 ug/l
RT: 4.775 min Scan# 491
Delta R.T. 0.006 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

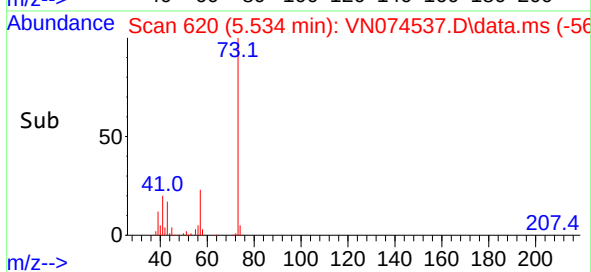
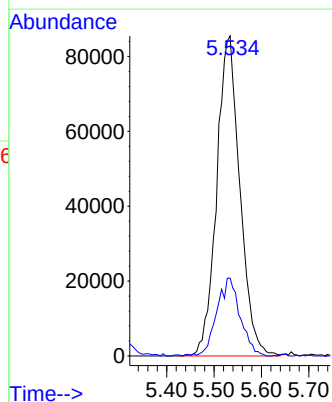
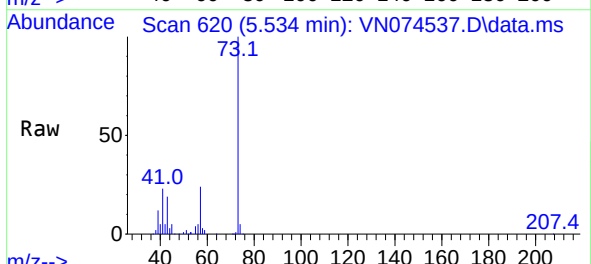
Instrument :
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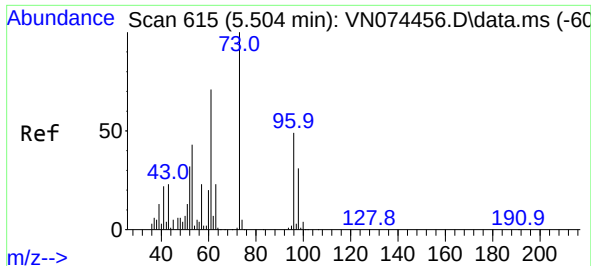
Tgt Ion: 43 Resp: 2363
Ion Ratio Lower Upper
43 100
74 7.5 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 18.814 ug/l
RT: 5.534 min Scan# 620
Delta R.T. 0.012 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

Tgt Ion: 73 Resp: 290807
Ion Ratio Lower Upper
73 100
57 24.1 17.6 26.4

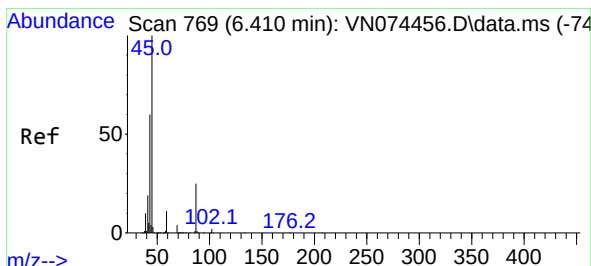
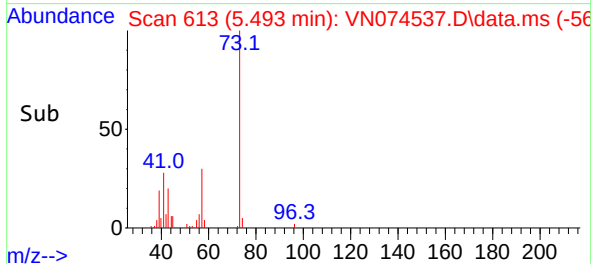
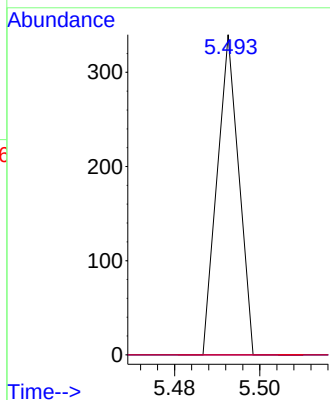
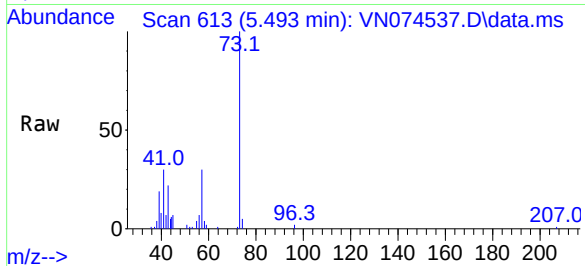




#21
trans-1,2-Dichloroethene
Concen: 0.459 ug/l
RT: 5.493 min Scan# 615
Delta R.T. -0.011 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

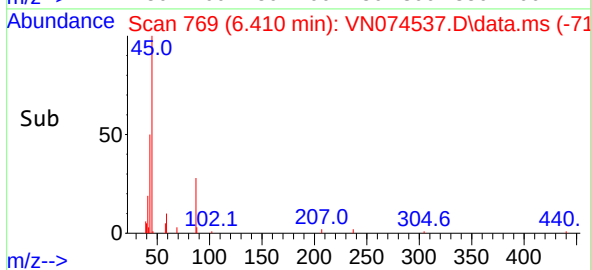
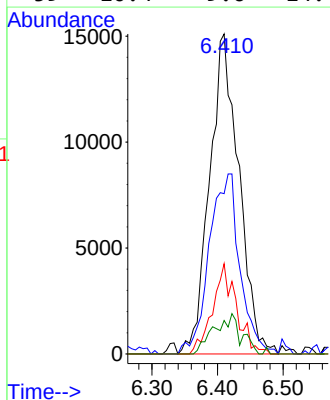
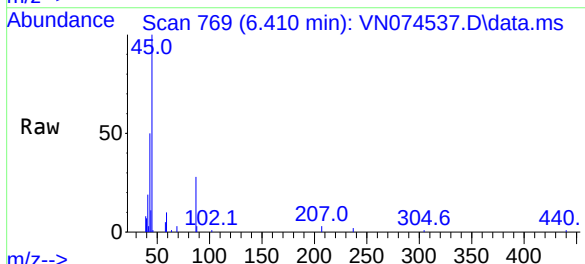
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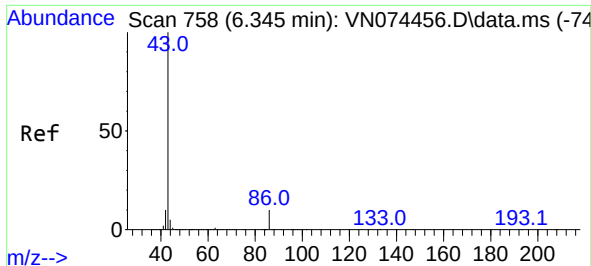
Tgt Ion: 96 Resp: 120
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#



#22
Diisopropyl ether
Concen: 2.667 ug/l
RT: 6.410 min Scan# 769
Delta R.T. 0.000 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

Tgt Ion: 45 Resp: 46893
Ion Ratio Lower Upper
45 100
43 50.1 46.6 70.0
87 28.2 24.3 36.5
59 10.4 9.6 14.4

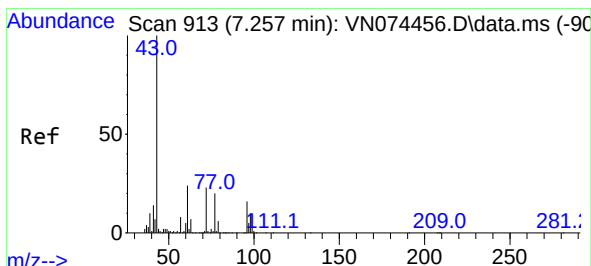
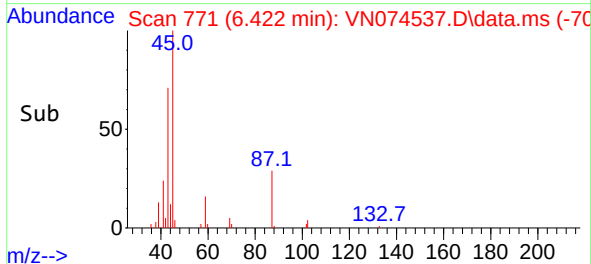
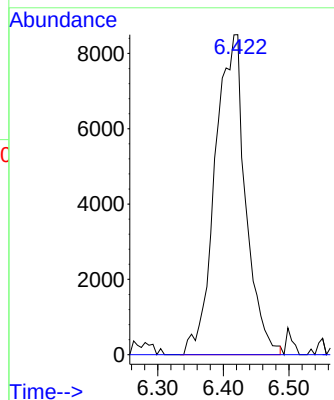
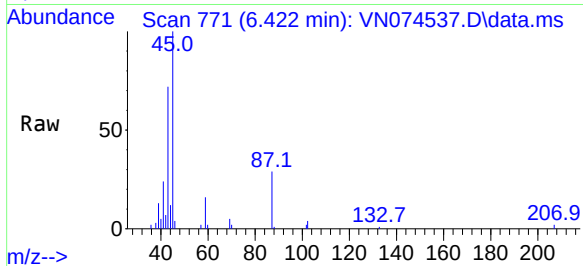




#23
 Vinyl Acetate
 Concen: 1.775 ug/l
 RT: 6.422 min Scan# 71
 Delta R.T. 0.077 min
 Lab File: VN074537.D
 Acq: 17 Sep 2022 02:56

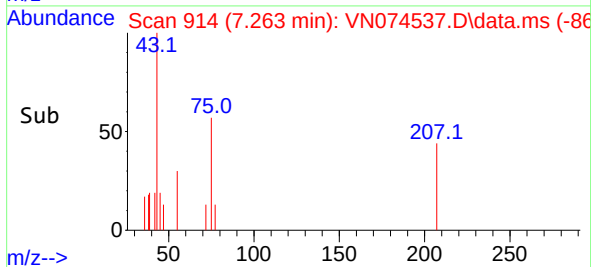
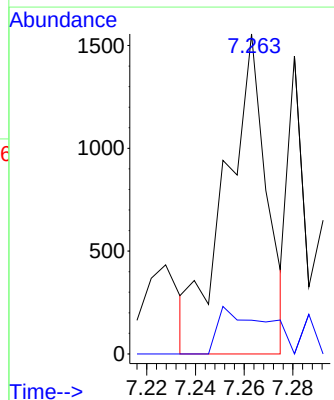
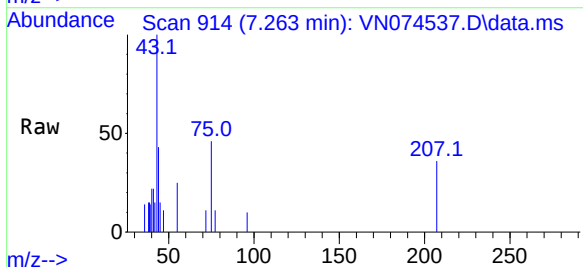
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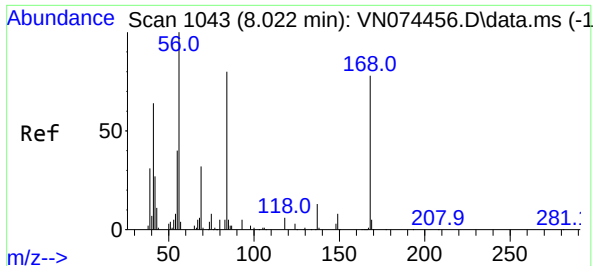
Tgt Ion: 43 Resp: 27527
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 0.363 ug/l
 RT: 7.263 min Scan# 914
 Delta R.T. 0.006 min
 Lab File: VN074537.D
 Acq: 17 Sep 2022 02:56

Tgt Ion: 43 Resp: 1824
 Ion Ratio Lower Upper
 43 100
 72 12.9 23.7 35.5#





#31

Cyclohexane

Concen: 1.482 ug/l

RT: 8.028 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN074537.D

Acq: 17 Sep 2022 02:56

Instrument :

MSVOA_N

ClientSampleId :

MW-53

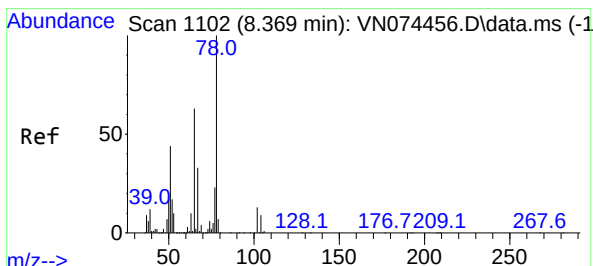
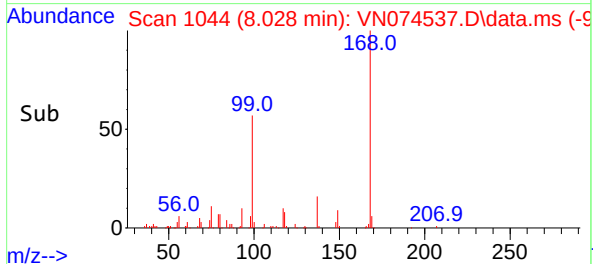
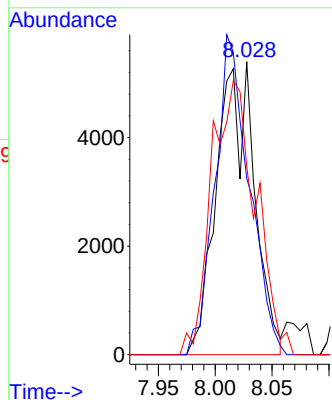
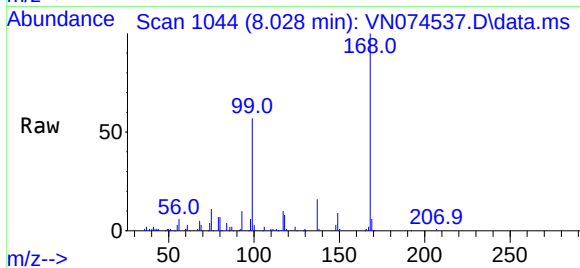
Tgt Ion: 56 Resp: 12429

Ion Ratio Lower Upper

56 100

69 60.2 27.8 41.8#

84 64.1 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 46.928 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074537.D

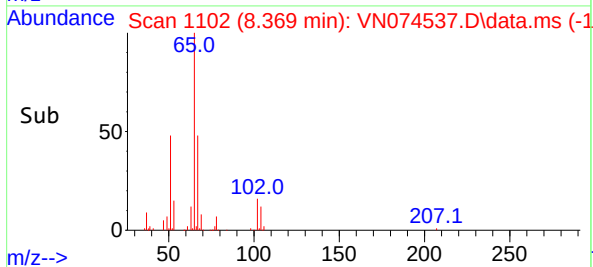
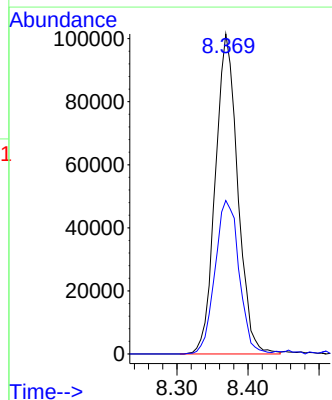
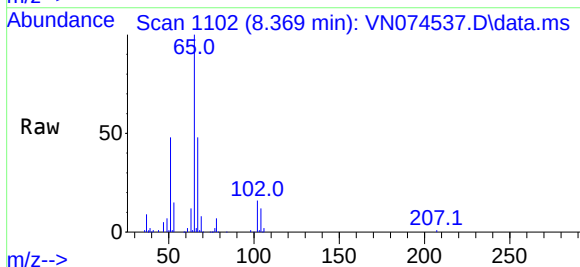
Acq: 17 Sep 2022 02:56

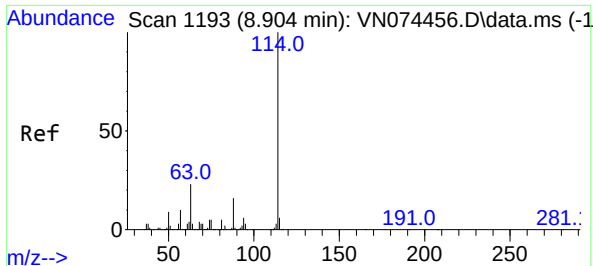
Tgt Ion: 65 Resp: 221725

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8



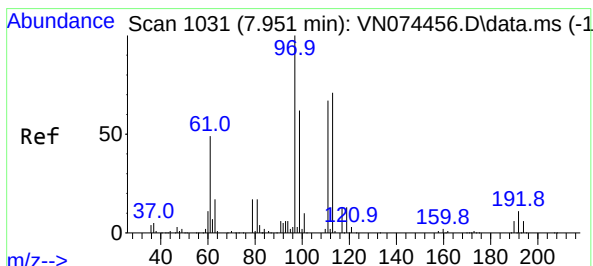
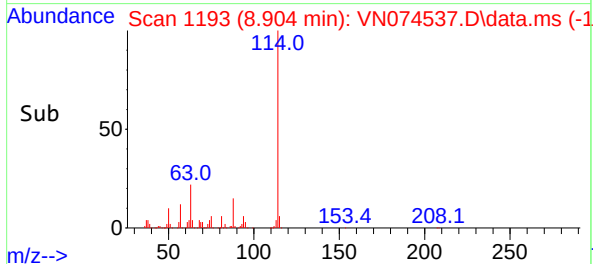
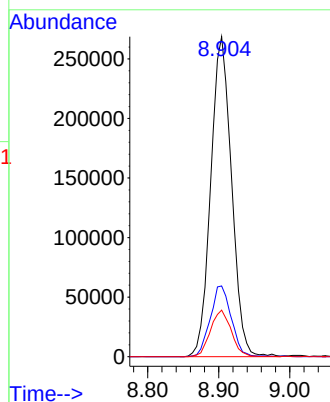
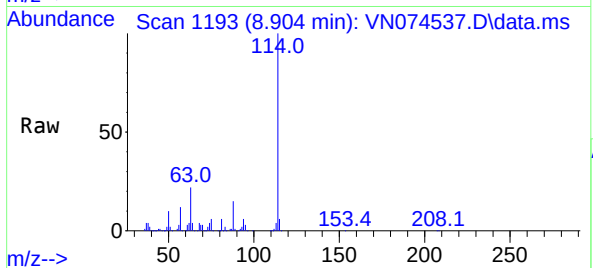


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

Instrument :
MSVOA_N
ClientSampleId :
MW-53

Tgt Ion:114 Resp: 545759

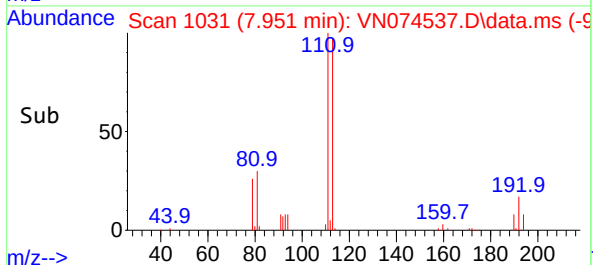
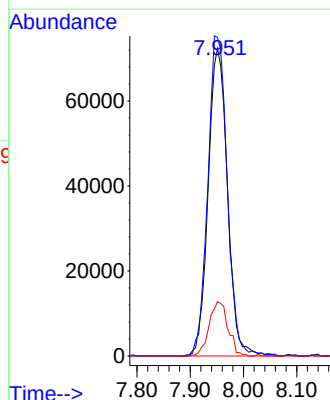
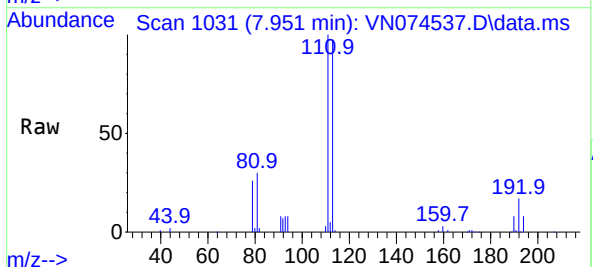
Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	40.0
88	14.5	0.0	32.6

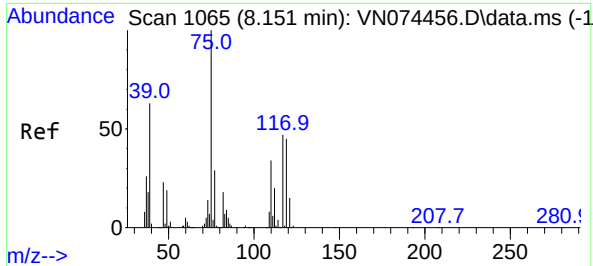


#35
Dibromofluoromethane
Concen: 50.207 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

Tgt Ion:113 Resp: 182018

Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.4	122.0
192	17.3	17.0	25.6

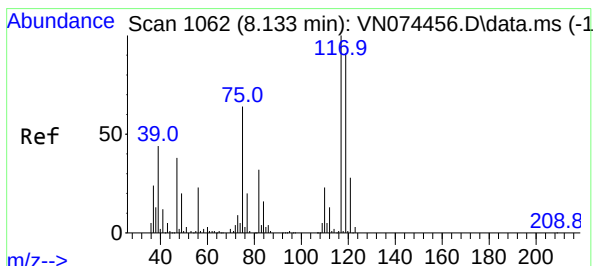
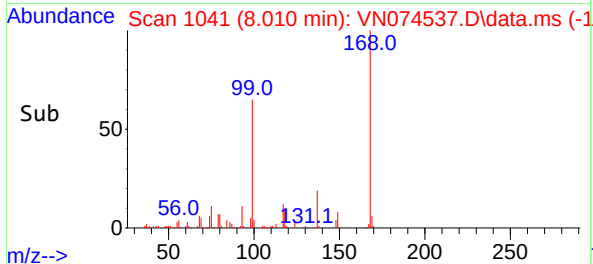
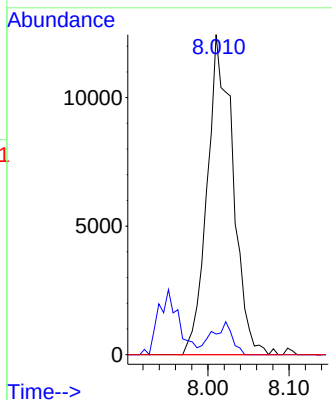
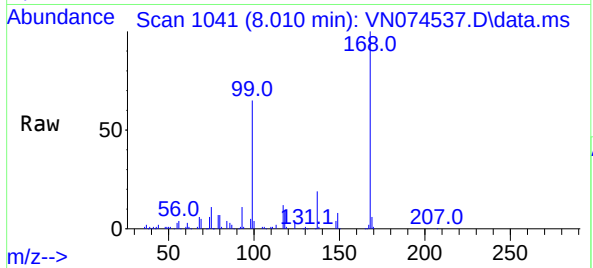




#36
1,1-Dichloropropene
Concen: 4.285 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

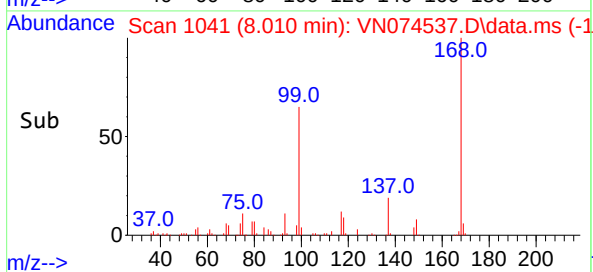
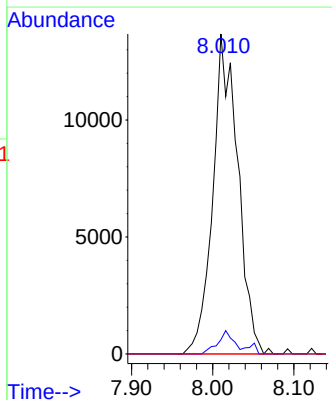
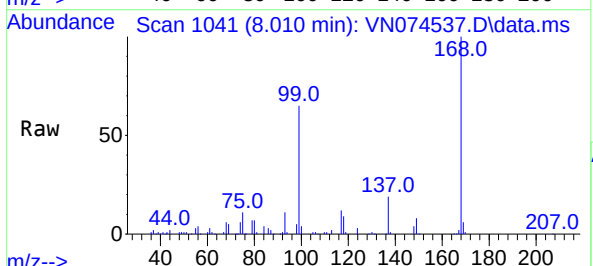
Instrument :
MSVOA_N
ClientSampleId :
MW-53

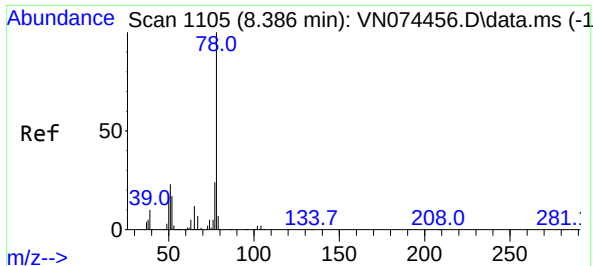
Tgt Ion: 75 Resp: 27498
Ion Ratio Lower Upper
75 100
110 8.1 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 4.933 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.123 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

Tgt Ion: 117 Resp: 29229
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.8#
121 0.0 24.6 37.0#

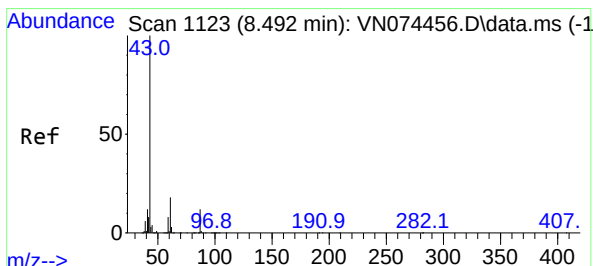
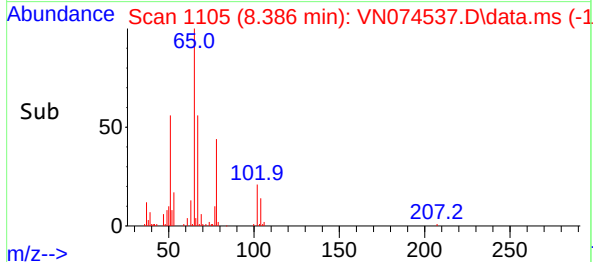
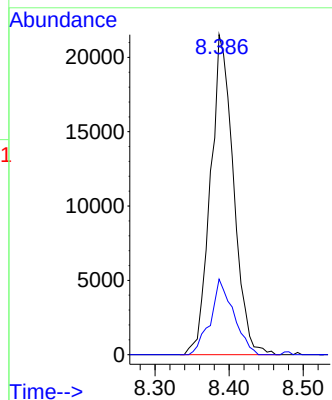
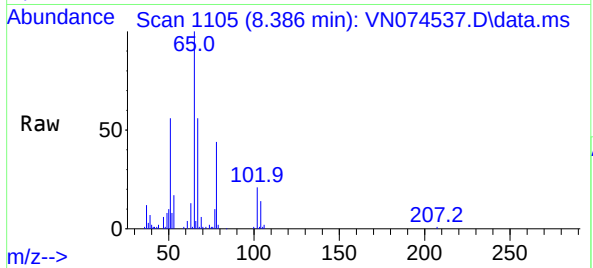




#40
Benzene
Concen: 2.341 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

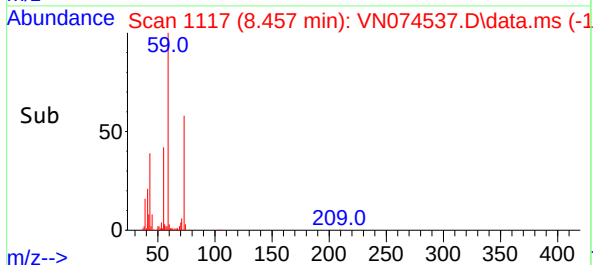
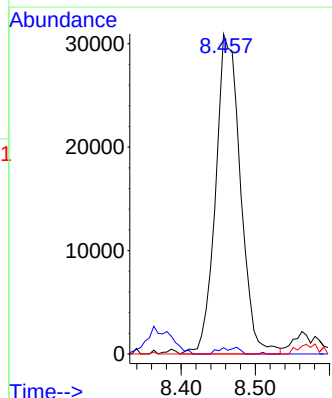
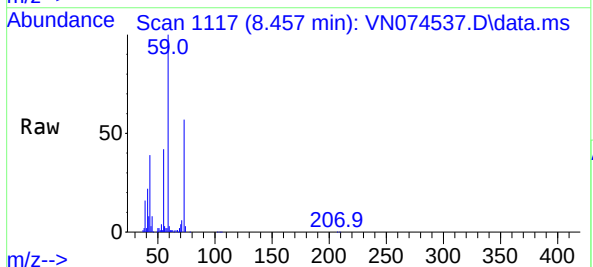
Instrument :
MSVOA_N
ClientSampleId :
MW-53

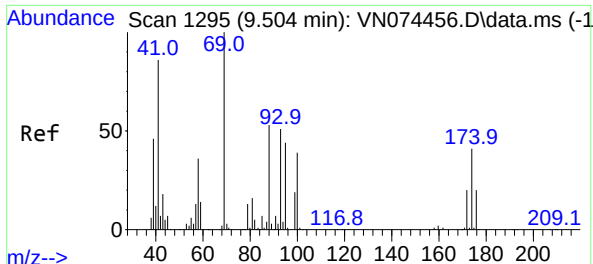
Tgt Ion: 78 Resp: 46445
Ion Ratio Lower Upper
78 100
77 23.6 19.4 29.0



#43
Isopropyl Acetate
Concen: 4.629 ug/l
RT: 8.457 min Scan# 1117
Delta R.T. -0.035 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

Tgt Ion: 43 Resp: 71864
Ion Ratio Lower Upper
43 100
61 0.8 21.9 32.9#
87 0.0 12.0 18.0#

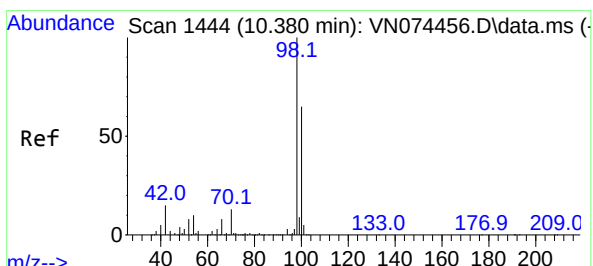
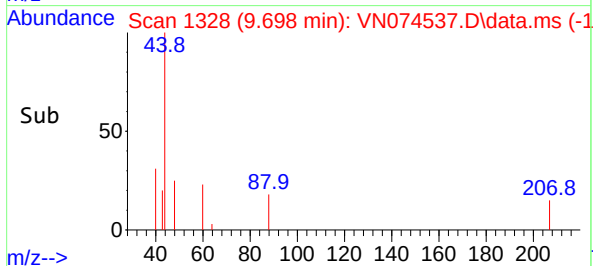
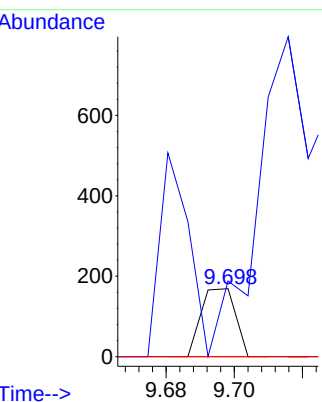
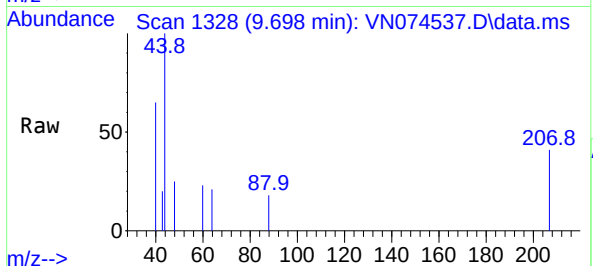




#49
1,4-Dioxane
Concen: 0.892 ug/l
RT: 9.698 min Scan# 11
Delta R.T. 0.194 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

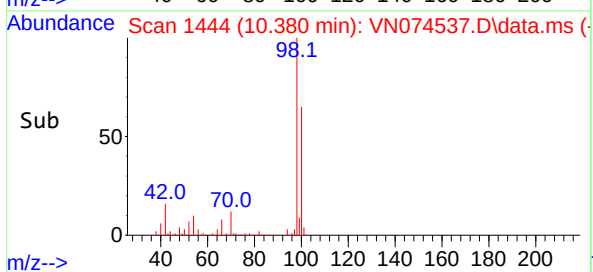
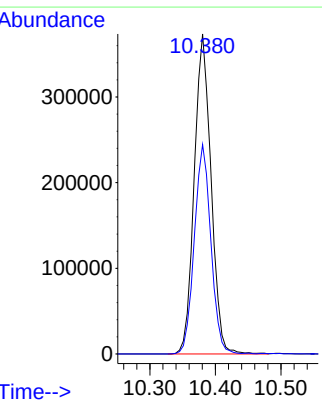
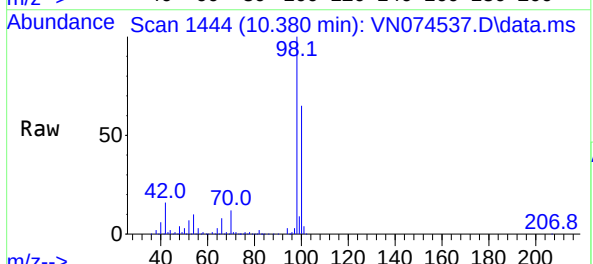
Instrument :
MSVOA_N
ClientSampleId :
MW-53

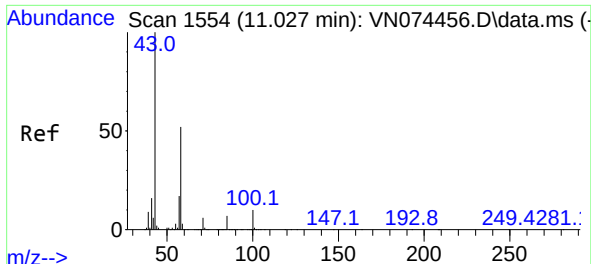
Tgt Ion: 88 Resp: 118
Ion Ratio Lower Upper
88 100
43 1097.5 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 47.524 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

Tgt Ion: 98 Resp: 666324
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8

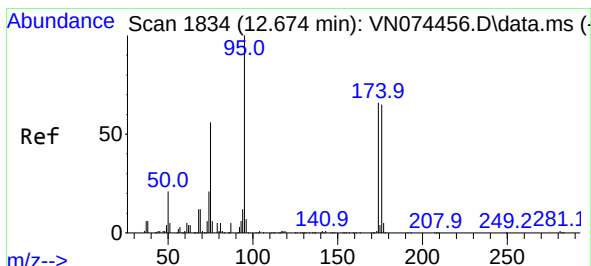
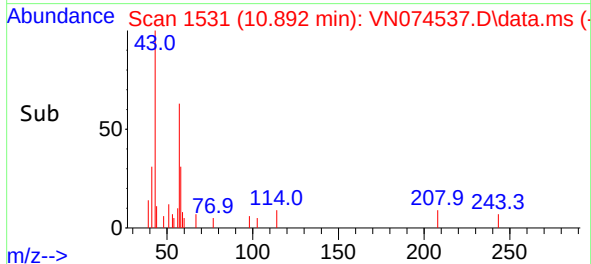
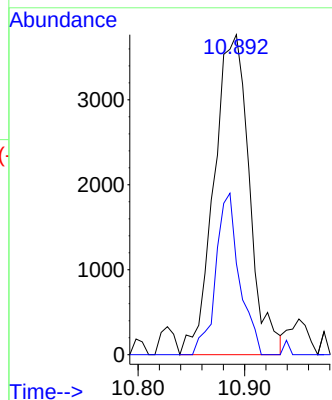
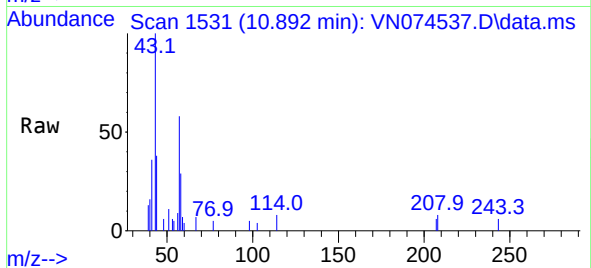




#59
2-Hexanone
Concen: 1.119 ug/l
RT: 10.892 min Scan# 11
Delta R.T. -0.135 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

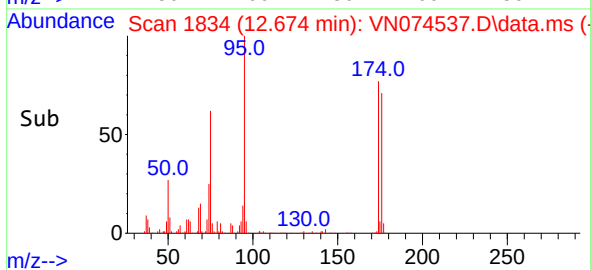
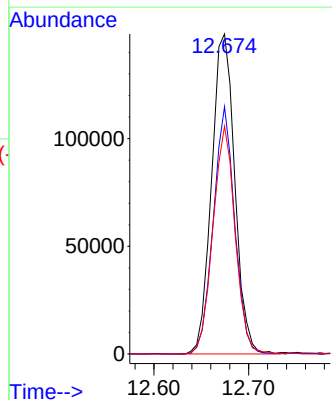
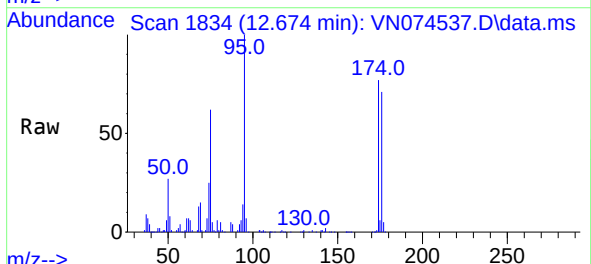
Instrument :
MSVOA_N
ClientSampleId :
MW-53

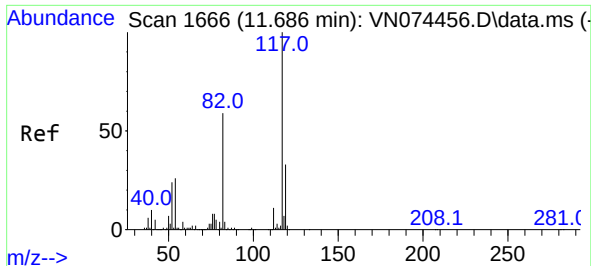
Tgt Ion: 43 Resp: 8659
Ion Ratio Lower Upper
43 100
58 33.8 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 52.577 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

Tgt Ion: 95 Resp: 252478
Ion Ratio Lower Upper
95 100
174 71.6 0.0 167.6
176 68.1 0.0 163.4

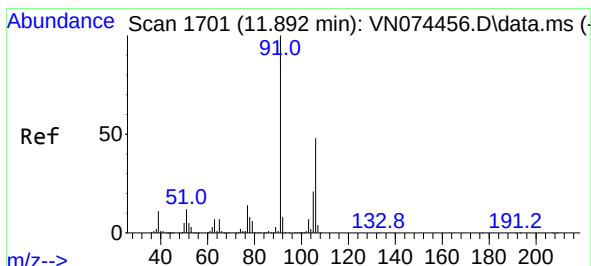
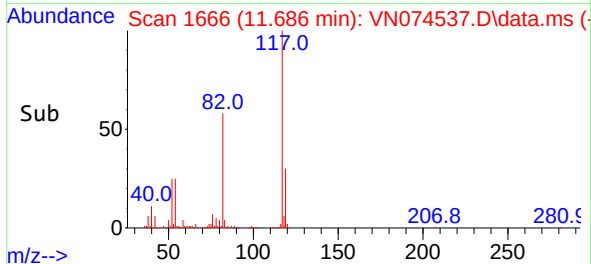
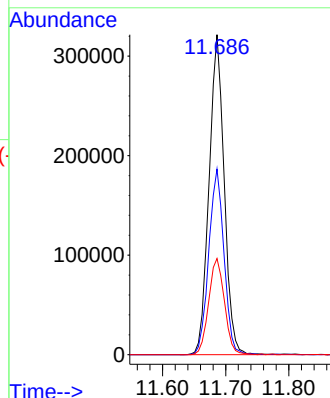
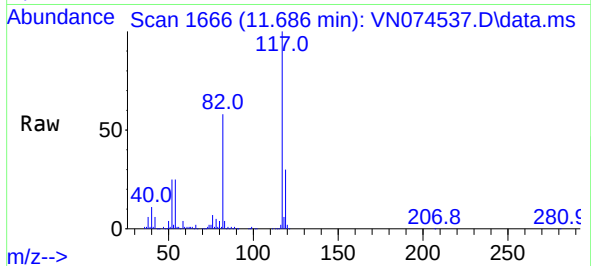




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

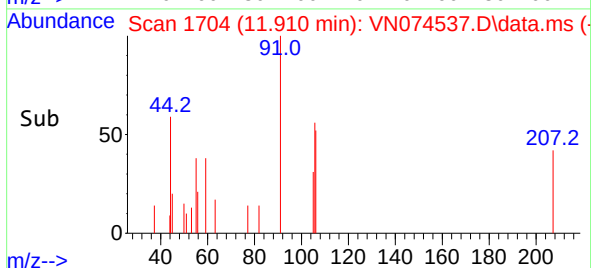
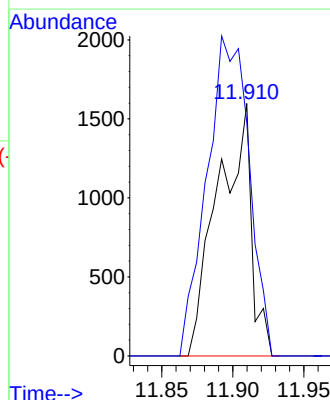
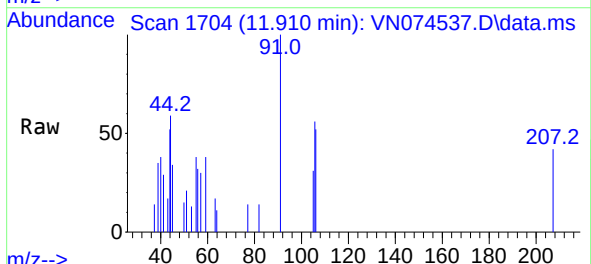
Instrument :
MSVOA_N
ClientSampleId :
MW-53

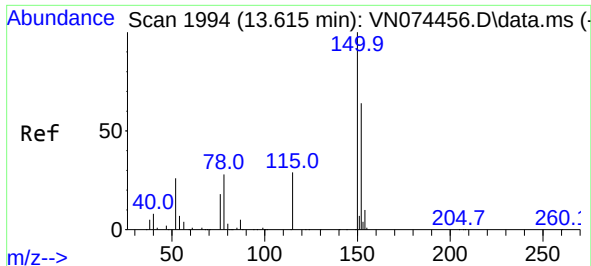
Tgt Ion:117 Resp: 536020
Ion Ratio Lower Upper
117 100
82 58.0 44.2 66.2
119 30.1 25.4 38.0



#68
m/p-Xylenes
Concen: 0.288 ug/l
RT: 11.910 min Scan# 1704
Delta R.T. 0.018 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

Tgt Ion:106 Resp: 2630
Ion Ratio Lower Upper
106 100
91 159.2 158.9 238.3



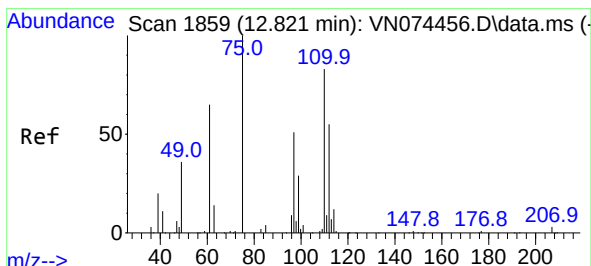
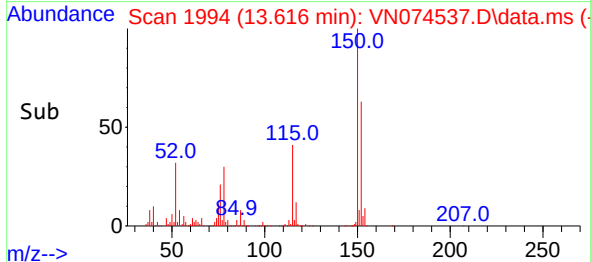
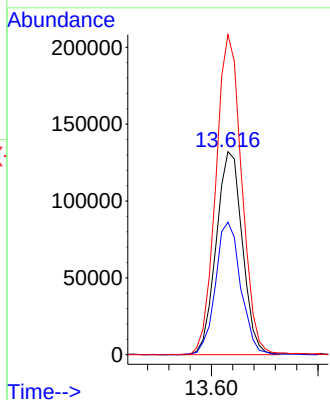
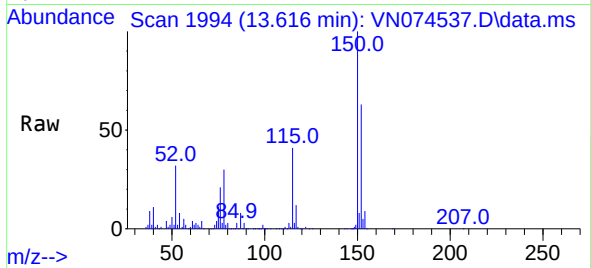


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.001 min
 Lab File: VN074537.D
 Acq: 17 Sep 2022 02:56

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-53

Tgt Ion:152 Resp: 224676

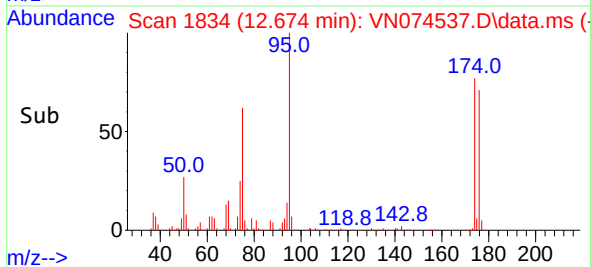
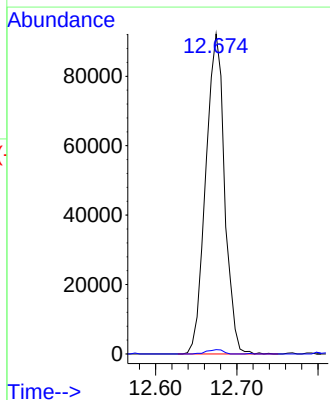
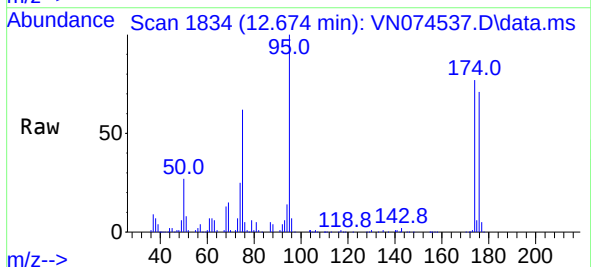
Ion	Ratio	Lower	Upper
152	100		
115	63.5	28.9	86.7
150	157.0	0.0	356.2

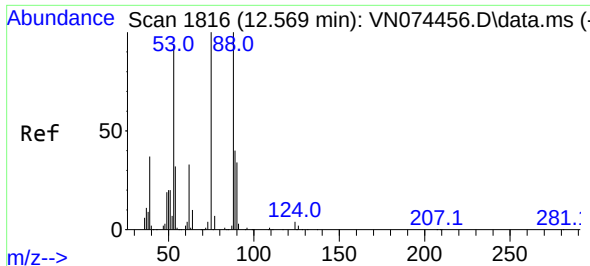


#76
 1,2,3-Trichloropropane
 Concen: 21.516 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN074537.D
 Acq: 17 Sep 2022 02:56

Tgt Ion: 75 Resp: 148795

Ion	Ratio	Lower	Upper
75	100		
77	1.2	98.5	295.5#

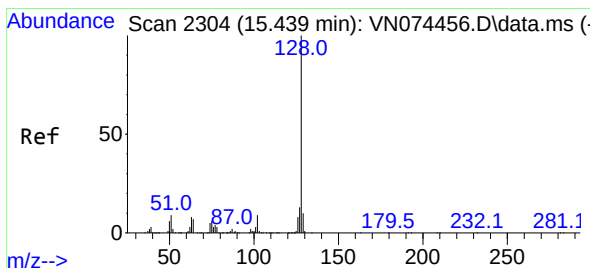
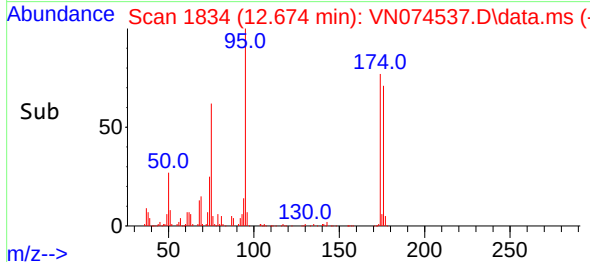
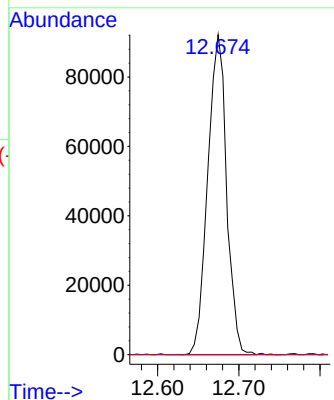
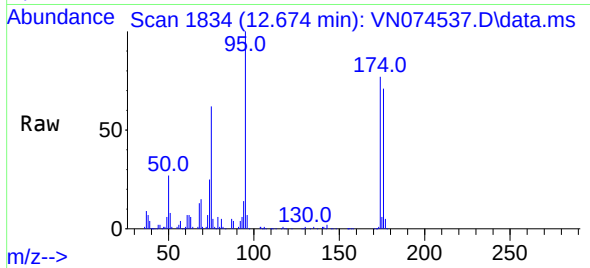




#81
trans-1,4-Dichloro-2-butene
Concen: 46.437 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.105 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

Instrument :
MSVOA_N
ClientSampleId :
MW-53

Tgt Ion: 75 Resp: 148795
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.621 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN074537.D
Acq: 17 Sep 2022 02:56

Tgt Ion:128 Resp: 640
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

