

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074530.D
 Acq On : 17 Sep 2022 00:06
 Operator : JC\MD
 Sample : N4549-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-47

Quant Time: Sep 17 06:17:34 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)

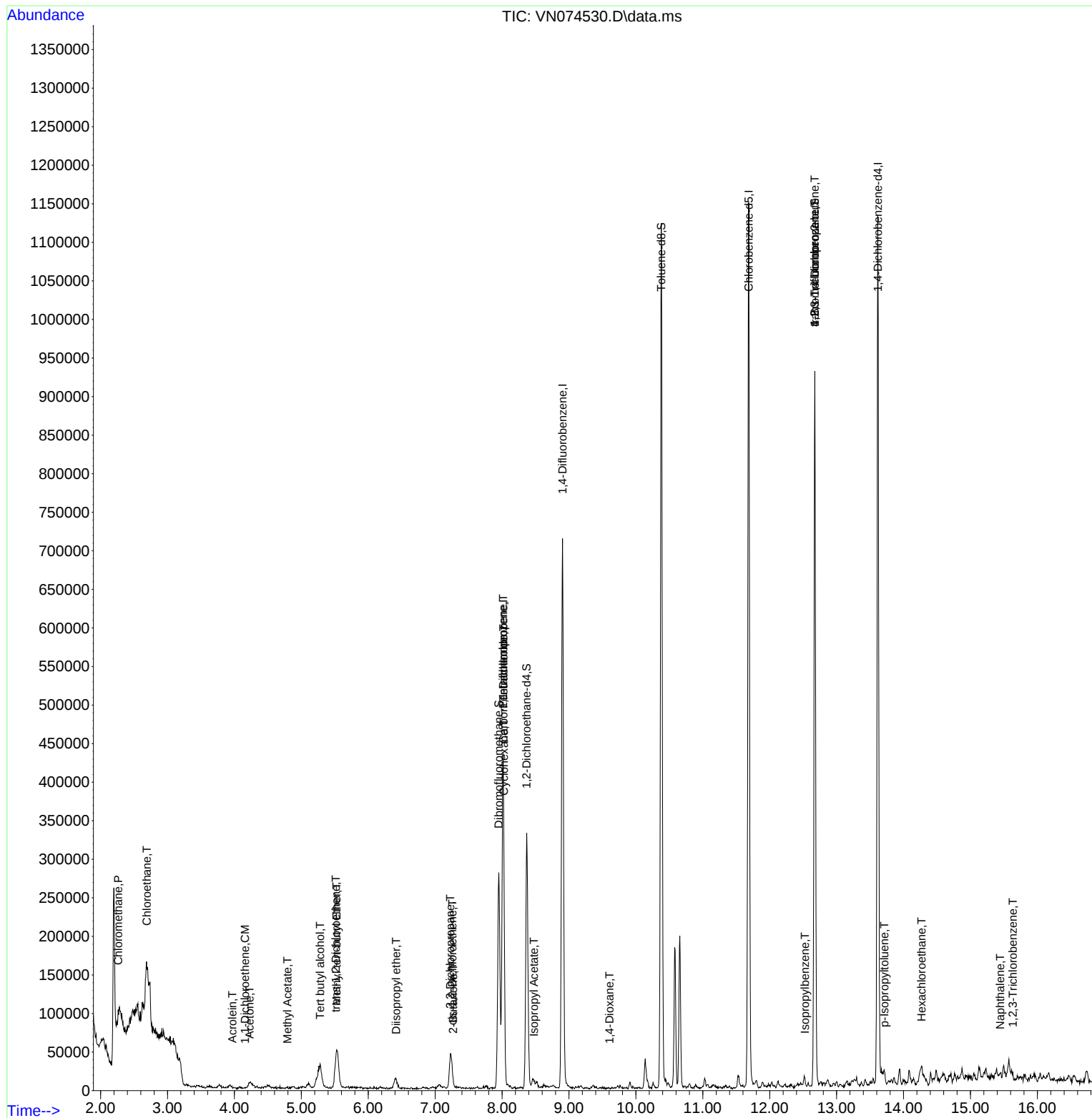
Internal Standards						
1) Pentafluorobenzene	8.016	168	300354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	580306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	584985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	258986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	241687	47.425	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.840%
35) Dibromofluoromethane	7.951	113	194151	50.365	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.740%
50) Toluene-d8	10.380	98	737110	49.443	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.880%
62) 4-Bromofluorobenzene	12.674	95	281475	55.126	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.260%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1232	0.481	ug/l	90
6) Chloroethane	2.693	64	32303	8.037	ug/l #	45
11) Tert butyl alcohol	5.281	59	61284	36.915	ug/l #	89
12) 1,1-Dichloroethene	4.157	96	118	0.714	ug/l #	1
13) Acrolein	3.969	56	405	0.668	ug/l #	79
16) Acetone	4.228	43	15291	4.689	ug/l #	67
18) Methyl Acetate	4.793	43	2819	0.278	ug/l #	63
19) Methyl tert-butyl Ether	5.528	73	76847	4.609	ug/l	100
21) trans-1,2-Dichloroethene	5.516	96	522	0.548	ug/l #	3
22) Diisopropyl ether	6.416	45	16509	0.870	ug/l #	70
25) 2-Butanone	7.269	43	6496	1.200	ug/l #	45
26) 2,2-Dichloropropane	7.228	77	3141	0.384	ug/l #	53
27) cis-1,2-Dichloroethene	7.257	96	1161	0.209	ug/l #	1
31) Cyclohexane	8.028	56	13536	1.496	ug/l #	63
36) 1,1-Dichloropropene	8.016	75	30153	4.419	ug/l #	48
38) Carbon Tetrachloride	8.022	117	33872	5.377	ug/l #	15
43) Isopropyl Acetate	8.475	43	4113	0.249	ug/l #	53
49) 1,4-Dioxane	9.604	88	61	0.434	ug/l #	1
73) Isopropylbenzene	12.527	105	6345	0.239	ug/l	86
76) 1,2,3-Trichloropropane	12.674	75	166804	20.924	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	166804	45.161	ug/l #	10
86) p-Isopropyltoluene	13.715	119	5875	0.279	ug/l	94
90) Hexachloroethane	14.268	117	6703	1.463	ug/l #	9
95) Naphthalene	15.445	128	6011	1.852	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.633	180	558	1.439	ug/l #	1

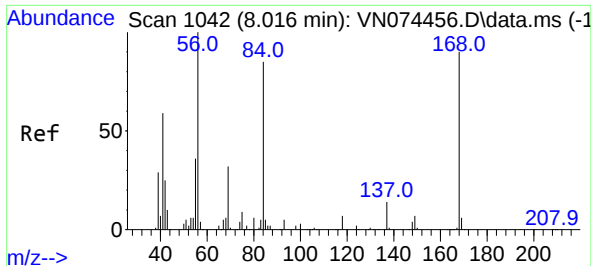
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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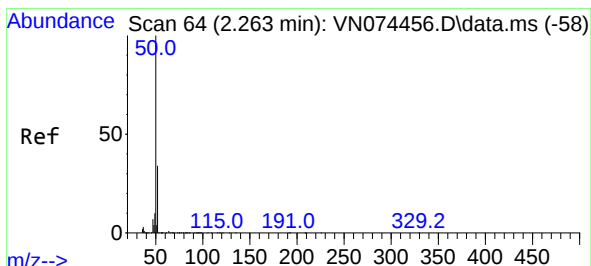
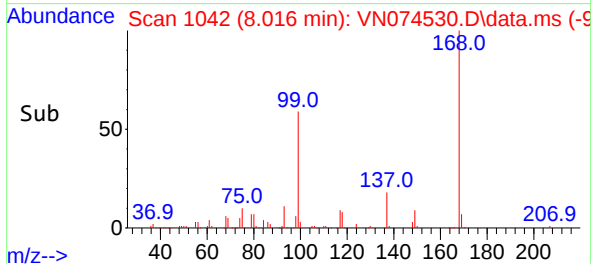
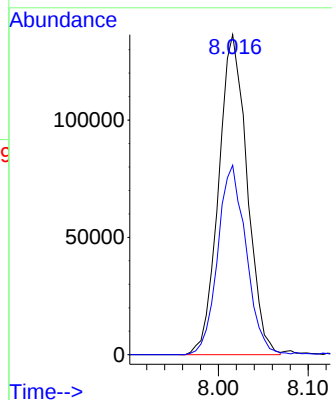
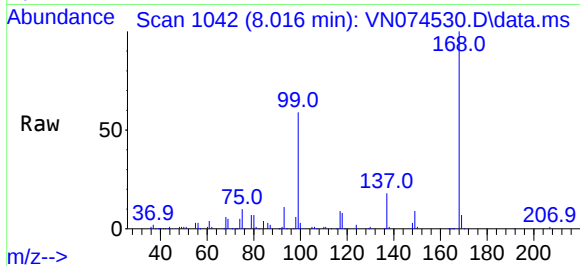




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

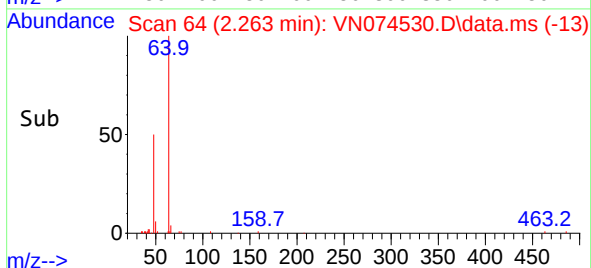
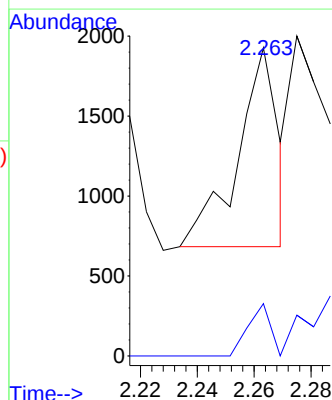
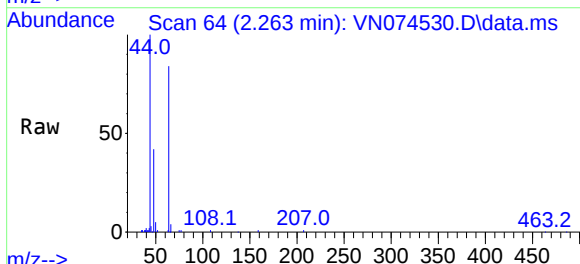
Instrument :
MSVOA_N
ClientSampleId :
MW-47

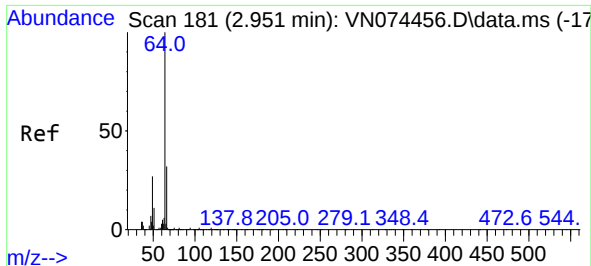
Tgt Ion:168 Resp: 300354
Ion Ratio Lower Upper
168 100
99 59.2 42.3 63.5



#3
Chloromethane
Concen: 0.481 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

Tgt Ion: 50 Resp: 1232
Ion Ratio Lower Upper
50 100
52 26.3 25.7 38.5

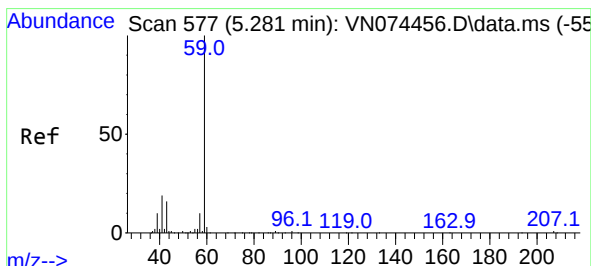
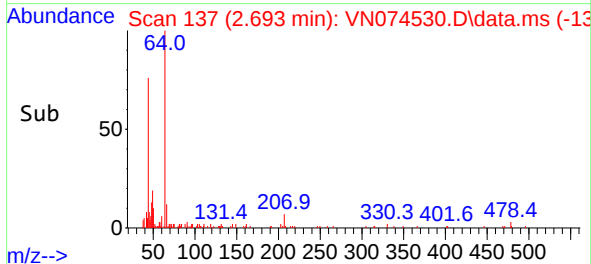
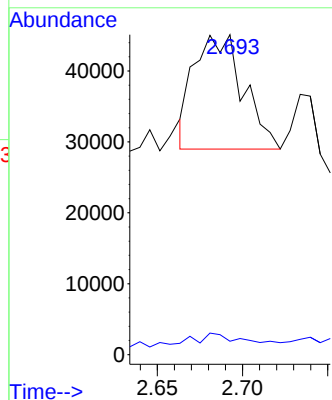
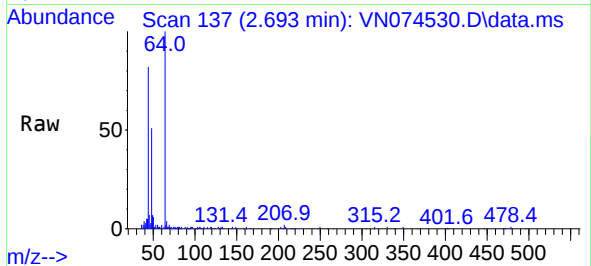




#6
Chloroethane
Concen: 8.037 ug/l
RT: 2.693 min Scan# 11
Delta R.T. -0.258 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

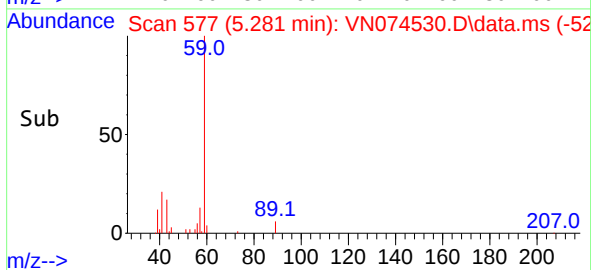
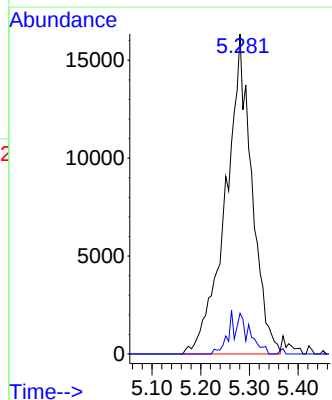
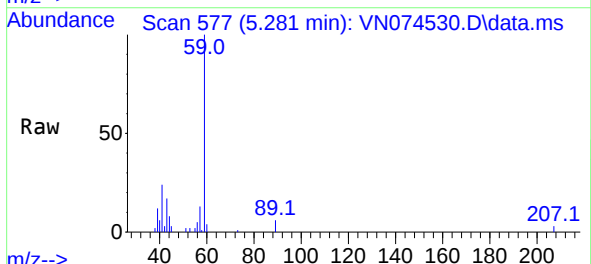
Instrument :
MSVOA_N
ClientSampleId :
MW-47

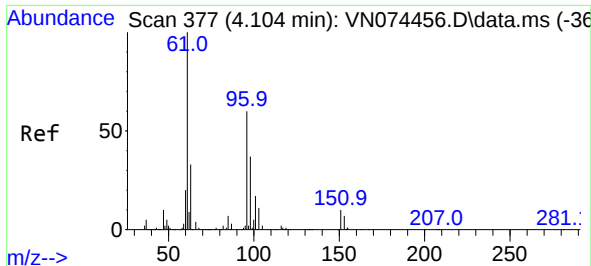
Tgt Ion: 64 Resp: 32303
Ion Ratio Lower Upper
64 100
66 1.8 26.2 39.4#



#11
Tert butyl alcohol
Concen: 36.915 ug/l
RT: 5.281 min Scan# 577
Delta R.T. -0.000 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

Tgt Ion: 59 Resp: 61284
Ion Ratio Lower Upper
59 100
57 6.1 8.3 12.5#

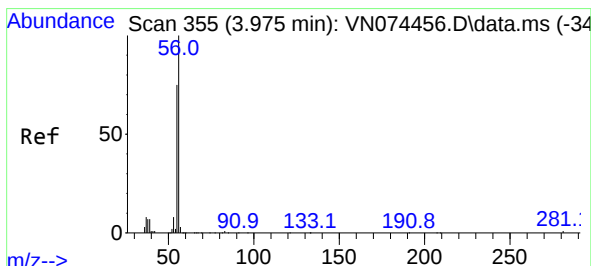
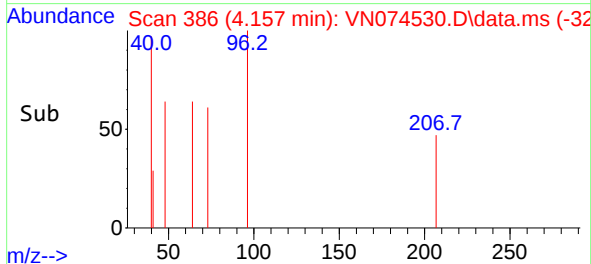
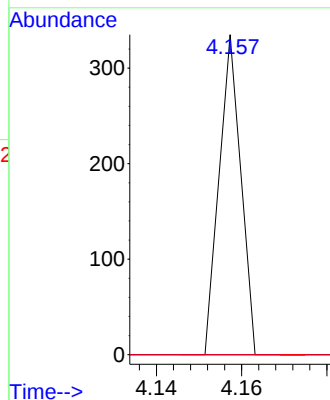
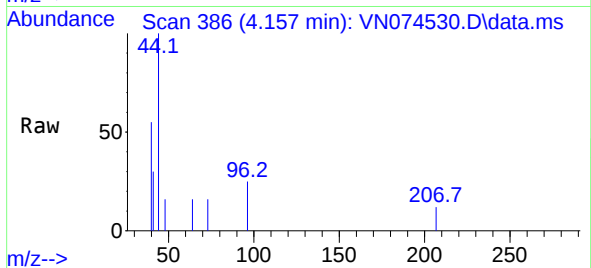




#12
1,1-Dichloroethene
Concen: 0.714 ug/l
RT: 4.157 min Scan# 31
Delta R.T. 0.053 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

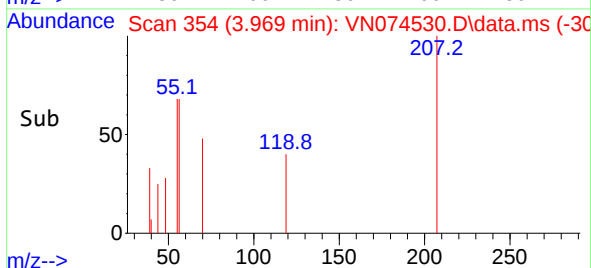
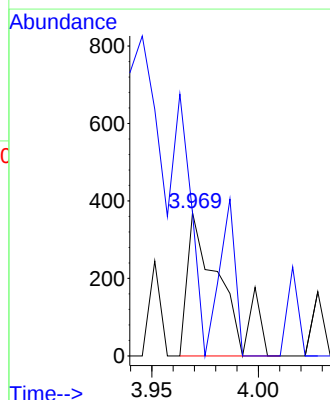
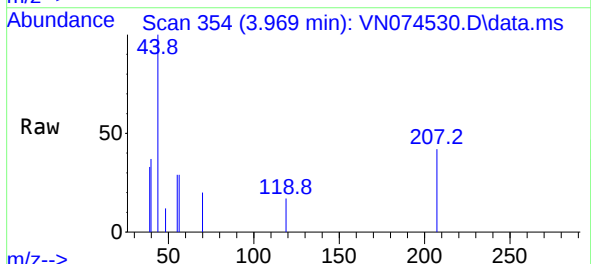
Instrument :
MSVOA_N
ClientSampleId :
MW-47

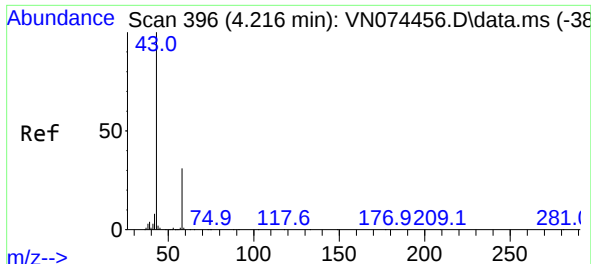
Tgt Ion: 96 Resp: 118
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#13
Acrolein
Concen: 0.668 ug/l
RT: 3.969 min Scan# 354
Delta R.T. -0.006 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

Tgt Ion: 56 Resp: 405
Ion Ratio Lower Upper
56 100
55 51.6 54.8 82.2#

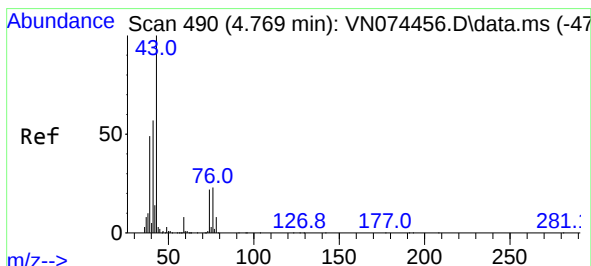
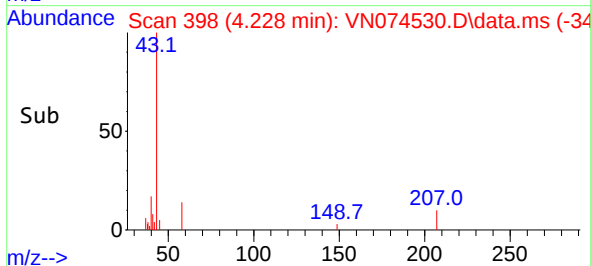
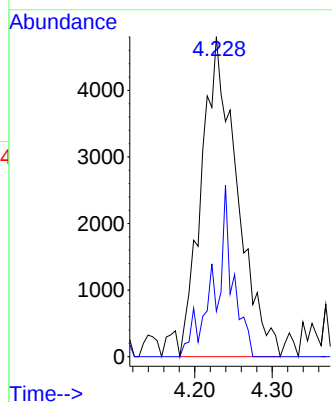
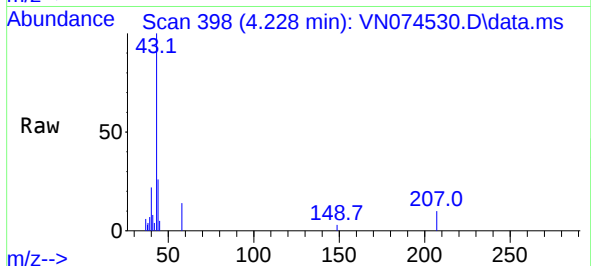




#16
Acetone
Concen: 4.689 ug/l
RT: 4.228 min Scan# 396
Delta R.T. 0.012 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

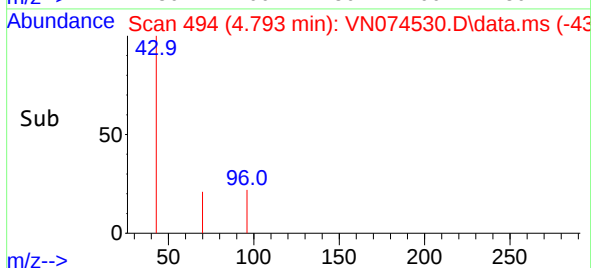
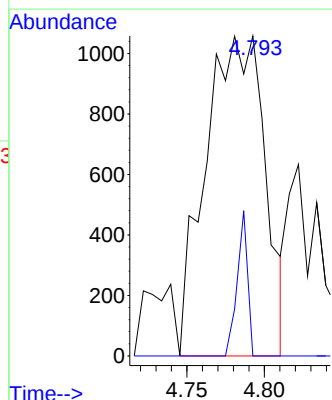
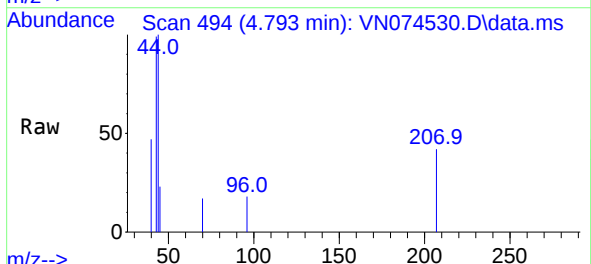
Instrument :
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ClientSampleId :
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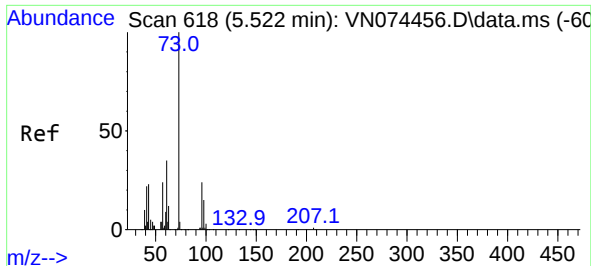
Tgt Ion: 43 Resp: 15291
Ion Ratio Lower Upper
43 100
58 14.2 26.0 39.0#



#18
Methyl Acetate
Concen: 0.278 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.024 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

Tgt Ion: 43 Resp: 2819
Ion Ratio Lower Upper
43 100
74 7.9 21.6 32.4#

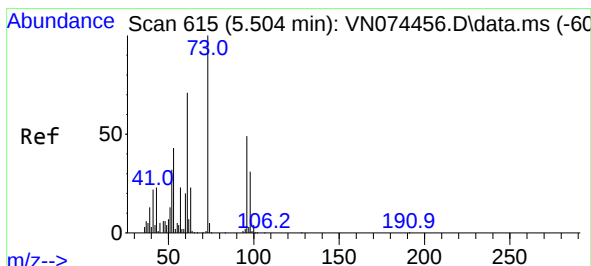
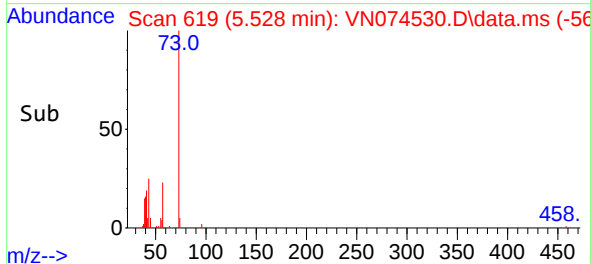
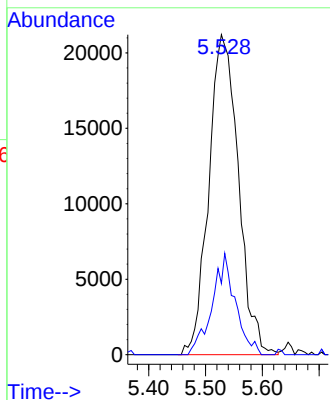
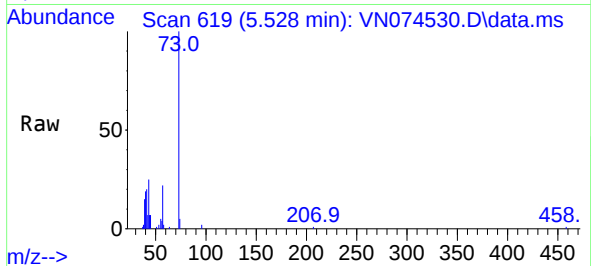




#19
Methyl tert-butyl Ether
Concen: 4.609 ug/l
RT: 5.528 min Scan# 618
Delta R.T. 0.006 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

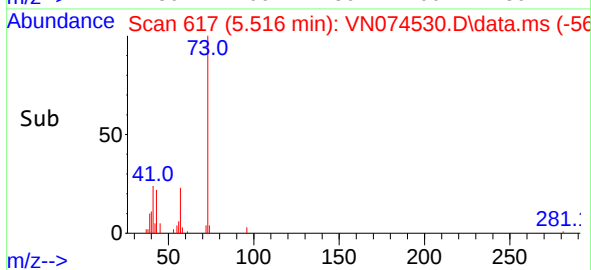
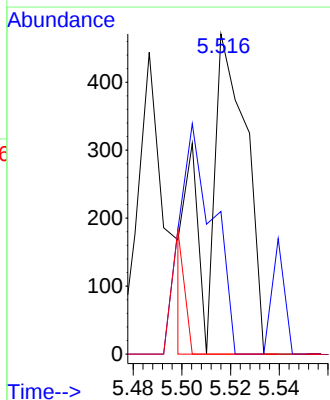
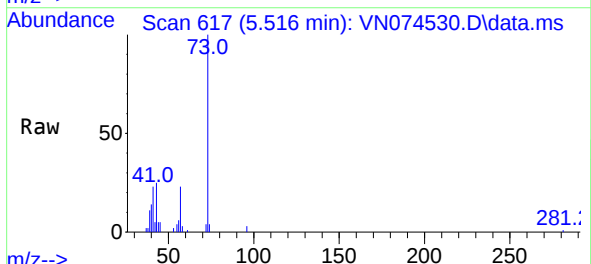
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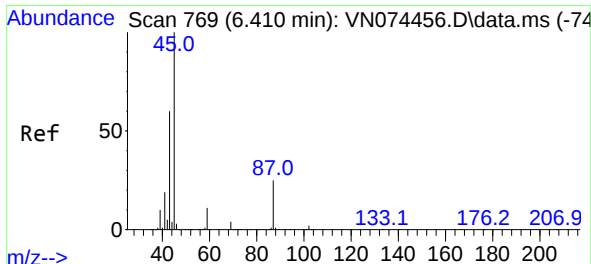
Tgt Ion: 73 Resp: 76847
Ion Ratio Lower Upper
73 100
57 22.2 17.6 26.4



#21
trans-1,2-Dichloroethene
Concen: 0.548 ug/l
RT: 5.516 min Scan# 617
Delta R.T. 0.012 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

Tgt Ion: 96 Resp: 522
Ion Ratio Lower Upper
96 100
61 8.5 105.8 158.8#
98 0.0 50.3 75.5#

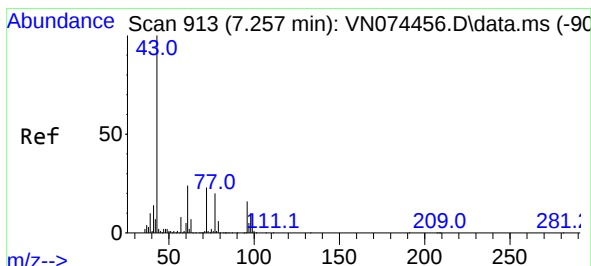
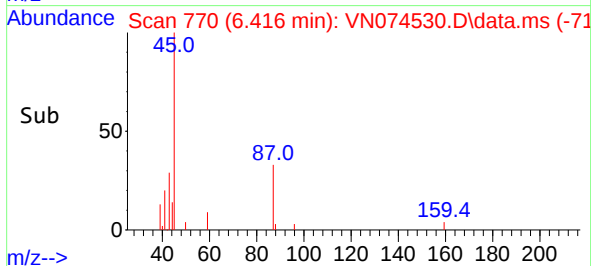
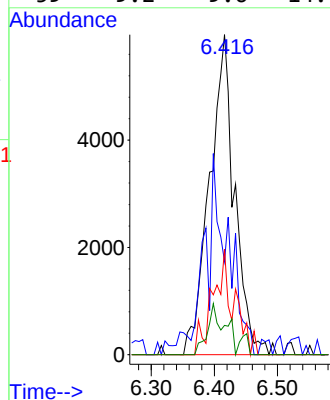
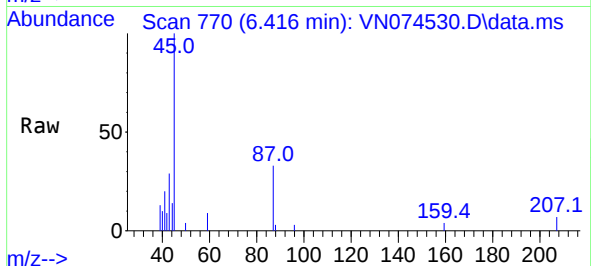




#22
Diisopropyl ether
Concen: 0.870 ug/l
RT: 6.416 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

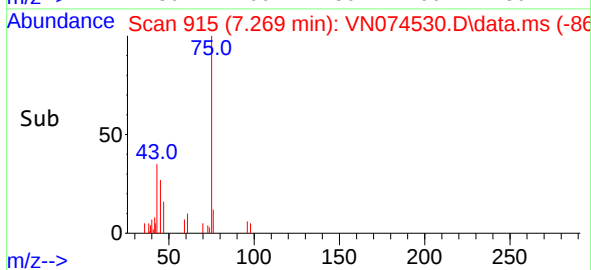
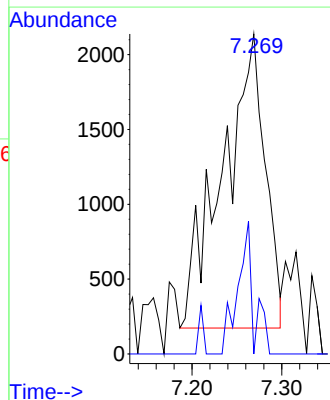
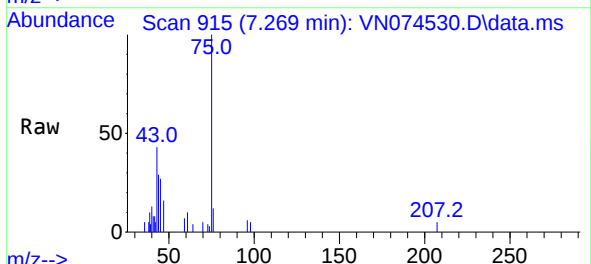
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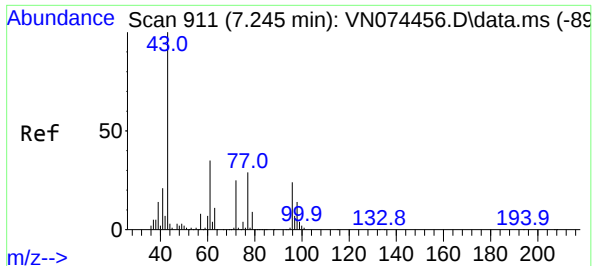
Tgt Ion:	45	Resp:	16509
Ion	Ratio	Lower	Upper
45	100		
43	23.2	46.6	70.0#
87	33.0	24.3	36.5
59	9.2	9.6	14.4#



#25
2-Butanone
Concen: 1.200 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

Tgt Ion:	43	Resp:	6496
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#





#26

2,2-Dichloropropane

Concen: 0.384 ug/l

RT: 7.228 min Scan# 90

Delta R.T. -0.017 min

Lab File: VN074530.D

Acq: 17 Sep 2022 00:06

Instrument :

MSVOA_N

ClientSampleId :

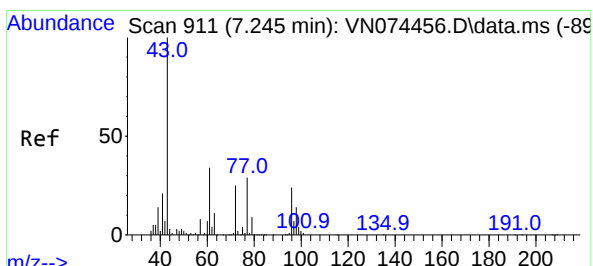
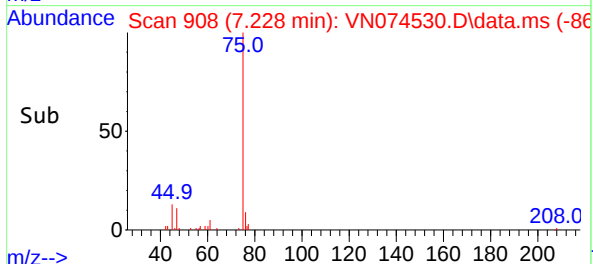
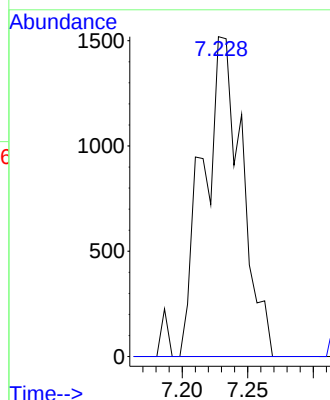
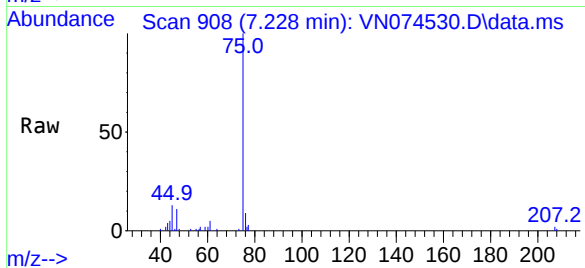
MW-47

Tgt Ion: 77 Resp: 3141

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#27

cis-1,2-Dichloroethene

Concen: 0.209 ug/l

RT: 7.257 min Scan# 913

Delta R.T. 0.012 min

Lab File: VN074530.D

Acq: 17 Sep 2022 00:06

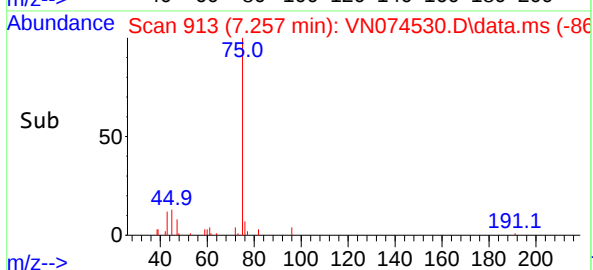
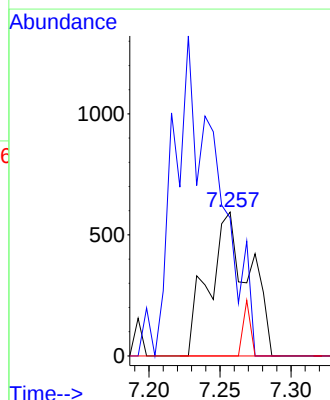
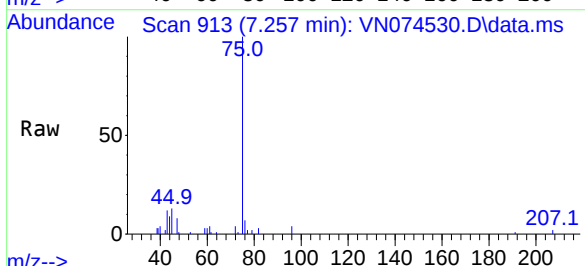
Tgt Ion: 96 Resp: 1161

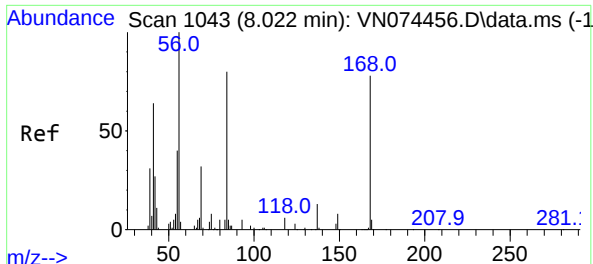
Ion Ratio Lower Upper

96 100

61 0.0 0.0 280.6

98 7.0 0.0 128.4

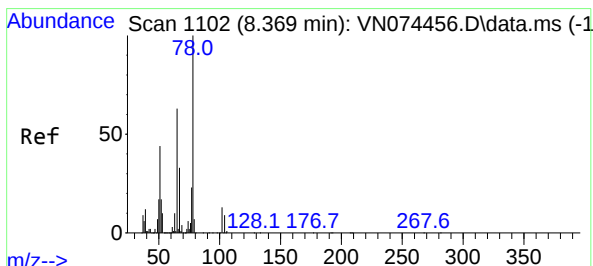
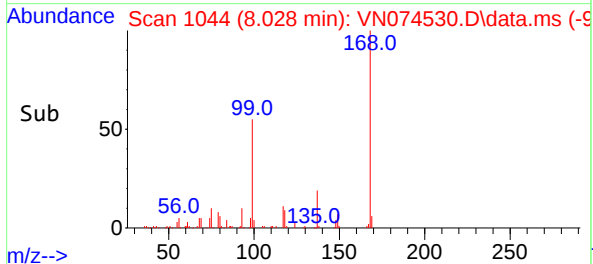
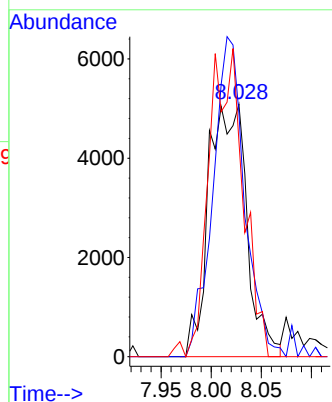
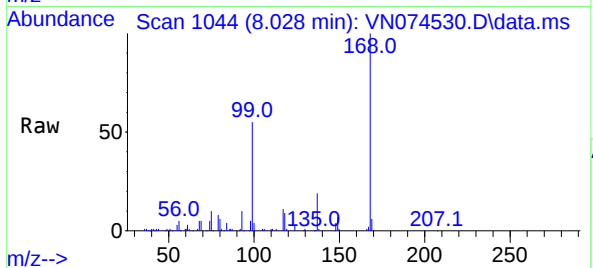




#31
Cyclohexane
Concen: 1.496 ug/l
RT: 8.028 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

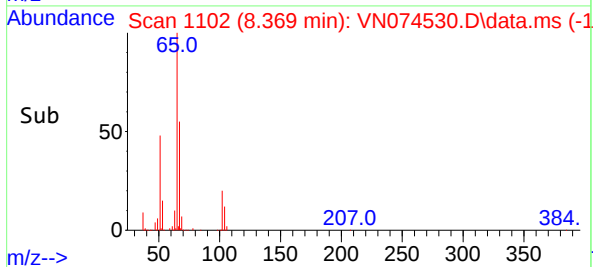
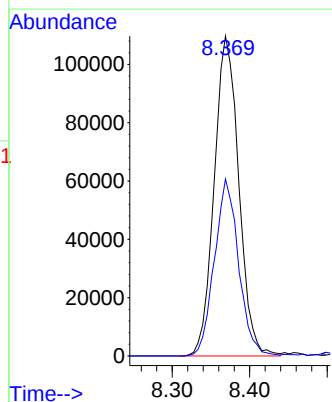
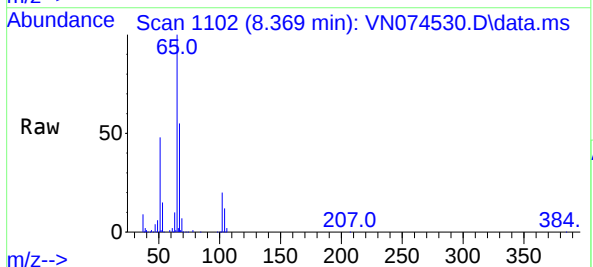
Instrument :
MSVOA_N
ClientSampleId :
MW-47

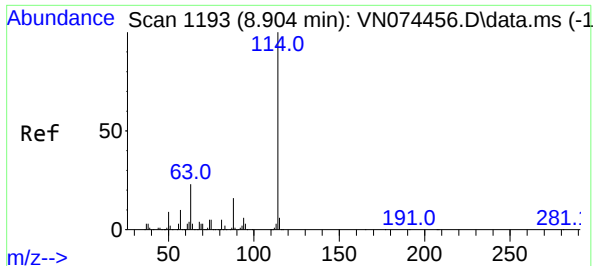
Tgt Ion: 56 Resp: 13536
Ion Ratio Lower Upper
56 100
69 92.1 27.8 41.8#
84 81.5 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 47.425 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

Tgt Ion: 65 Resp: 241687
Ion Ratio Lower Upper
65 100
67 54.5 0.0 104.8



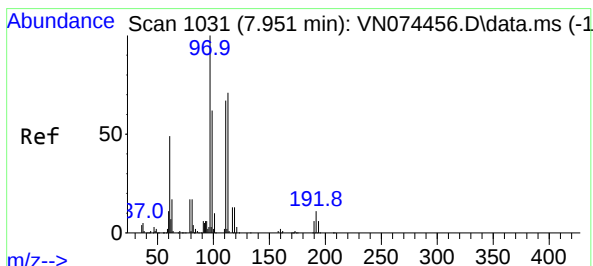
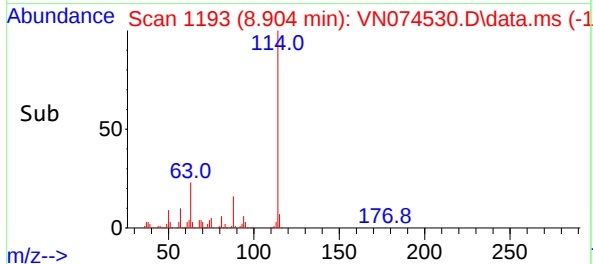
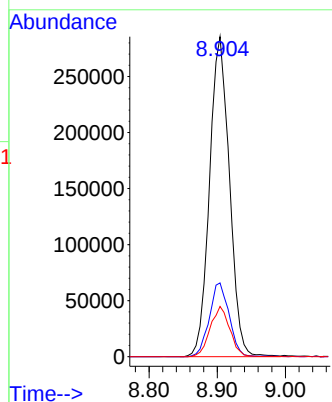
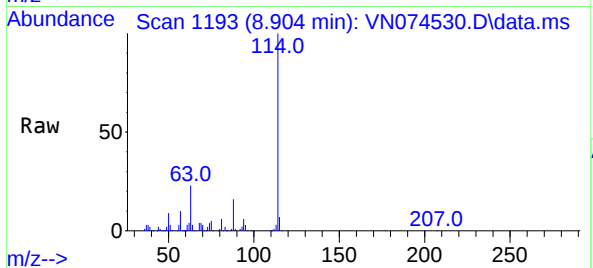


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

Instrument :
MSVOA_N
ClientSampleId :
MW-47

Tgt Ion:114 Resp: 580306

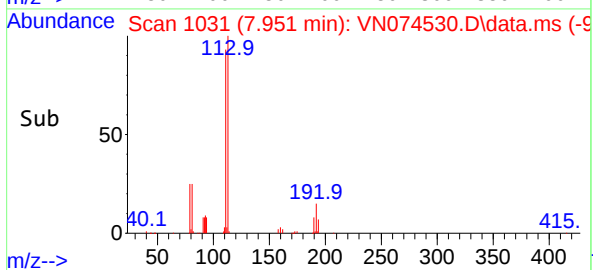
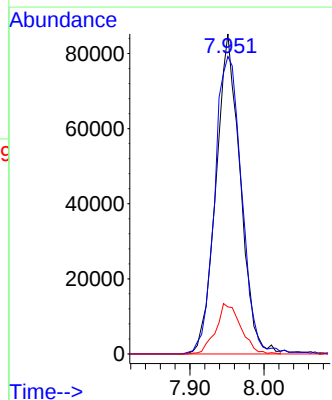
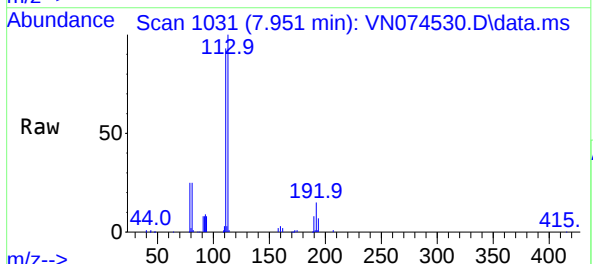
Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	40.0
88	15.7	0.0	32.6

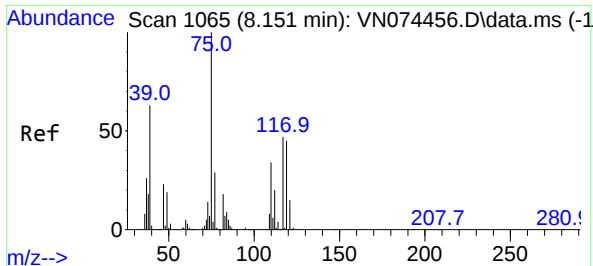


#35
Dibromofluoromethane
Concen: 50.365 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

Tgt Ion:113 Resp: 194151

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.4	122.0
192	16.1	17.0	25.6

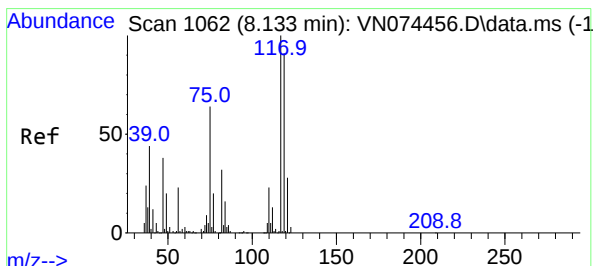
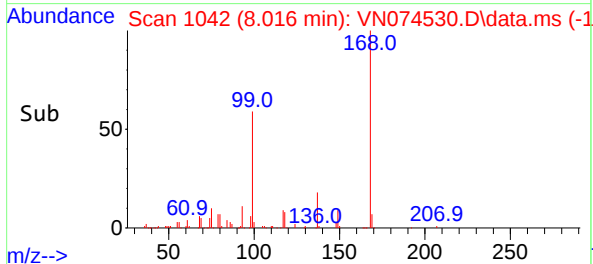
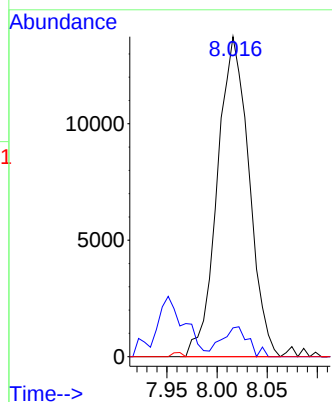
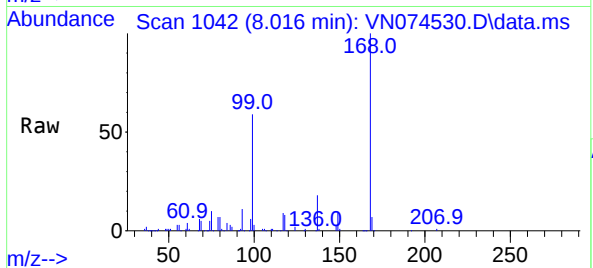




#36
1,1-Dichloropropene
Concen: 4.419 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

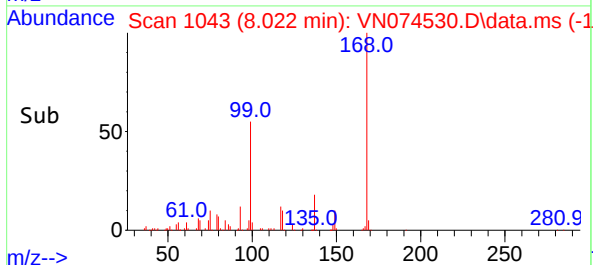
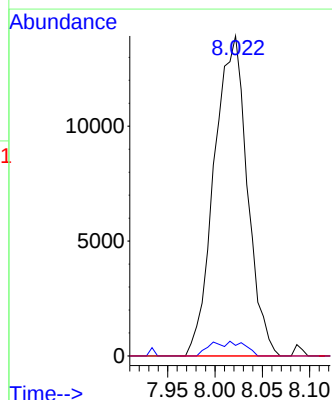
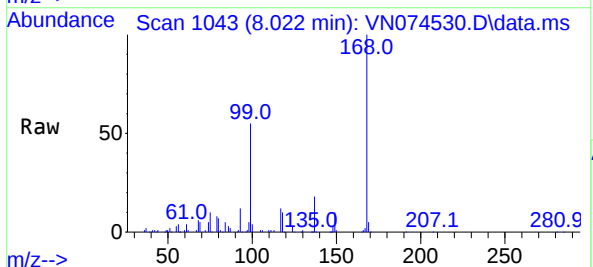
Instrument :
MSVOA_N
ClientSampleId :
MW-47

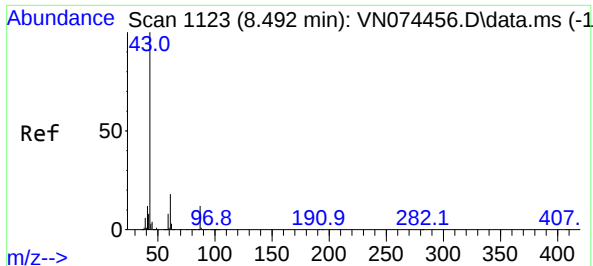
Tgt Ion: 75 Resp: 30153
Ion Ratio Lower Upper
75 100
110 7.8 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.377 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

Tgt Ion: 117 Resp: 33872
Ion Ratio Lower Upper
117 100
119 3.3 75.8 113.8#
121 0.0 24.6 37.0#

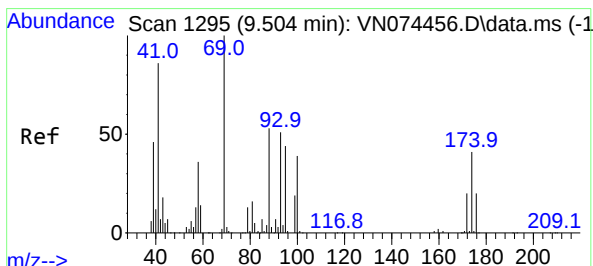
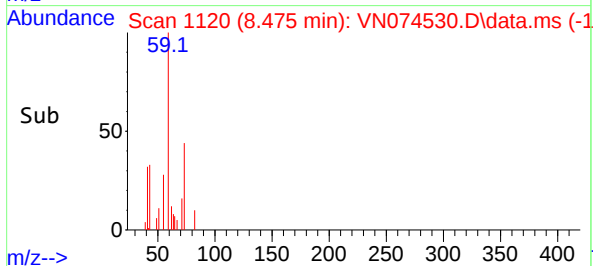
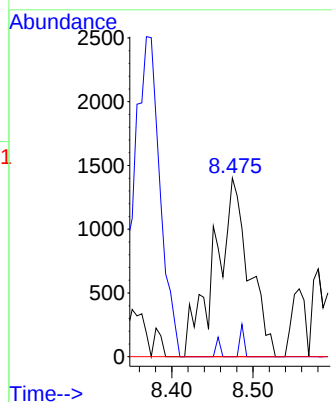
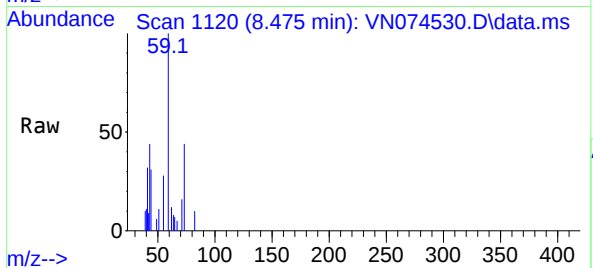




#43
Isopropyl Acetate
Concen: 0.249 ug/l
RT: 8.475 min Scan# 1123
Delta R.T. -0.017 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

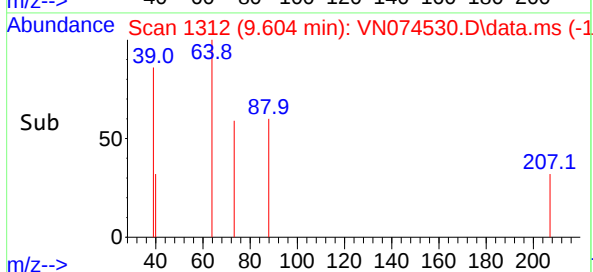
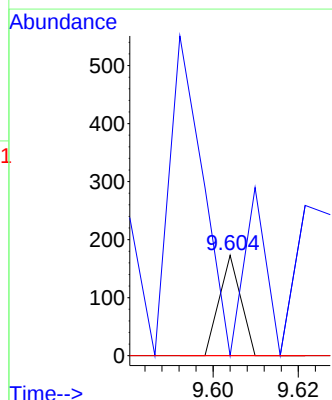
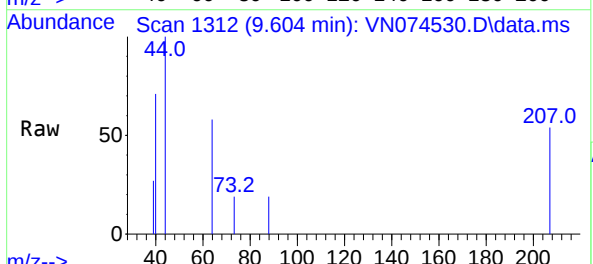
Instrument :
MSVOA_N
ClientSampleId :
MW-47

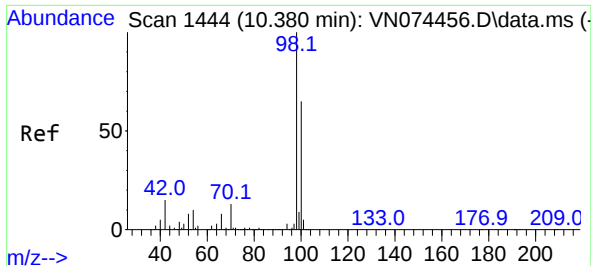
Tgt Ion: 43 Resp: 4113
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#49
1,4-Dioxane
Concen: 0.434 ug/l
RT: 9.604 min Scan# 1312
Delta R.T. 0.100 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 486.9 20.2 30.4#
58 0.0 54.2 81.4#

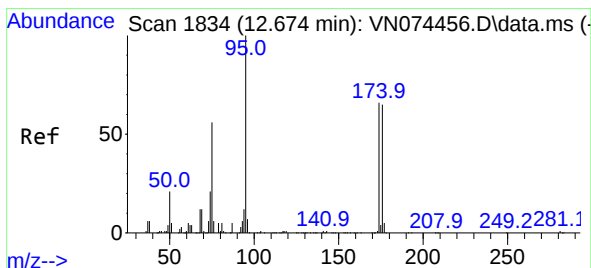
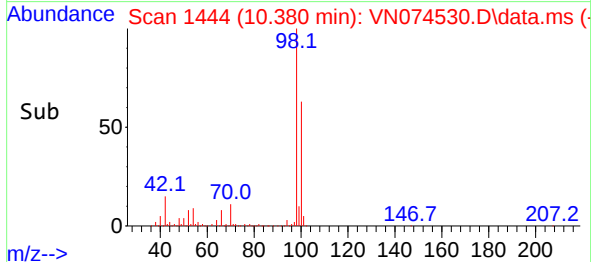
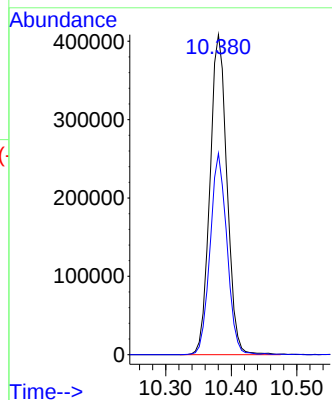
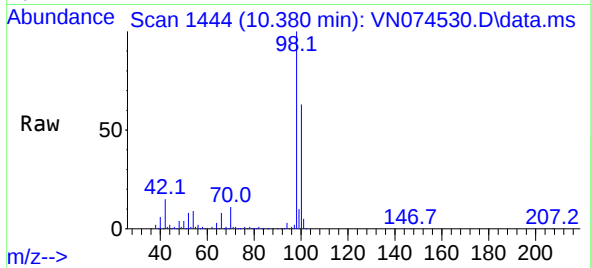




#50
Toluene-d8
Concen: 49.443 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

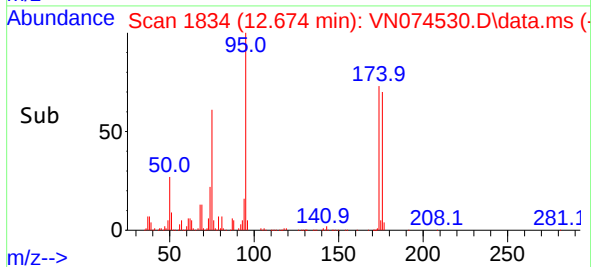
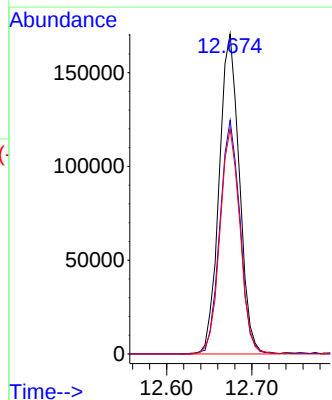
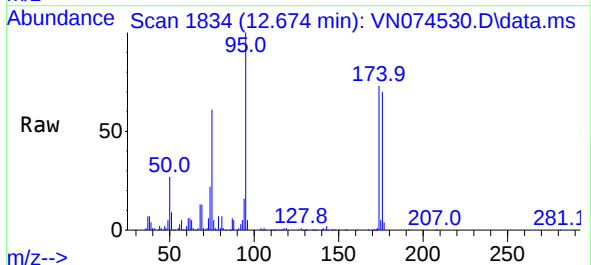
Instrument :
MSVOA_N
ClientSampleId :
MW-47

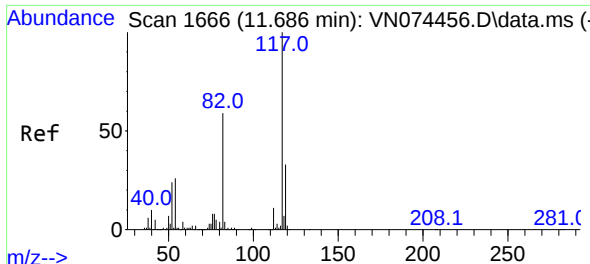
Tgt Ion: 98 Resp: 737110
Ion Ratio Lower Upper
98 100
100 62.0 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 55.126 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

Tgt Ion: 95 Resp: 281475
Ion Ratio Lower Upper
95 100
174 72.5 0.0 167.6
176 69.6 0.0 163.4

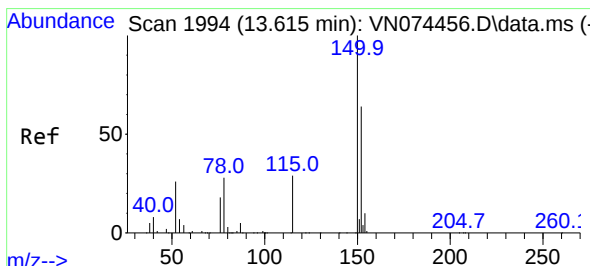
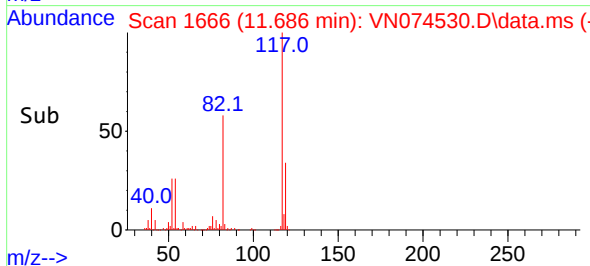
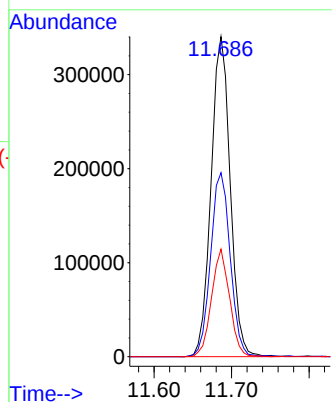
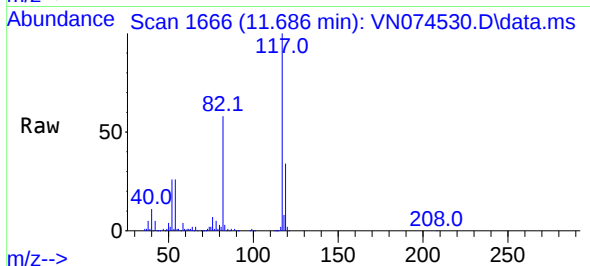




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

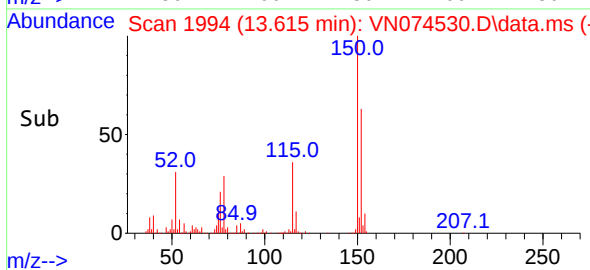
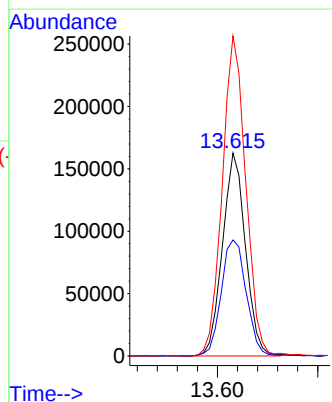
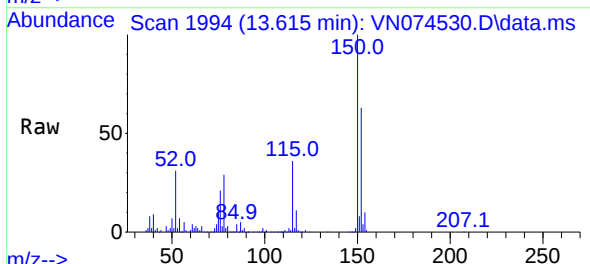
Instrument :
MSVOA_N
ClientSampleId :
MW-47

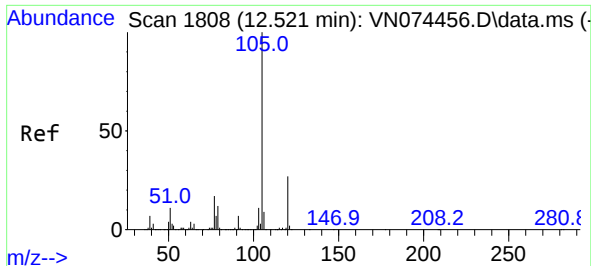
Tgt Ion:117 Resp: 584985
Ion Ratio Lower Upper
117 100
82 57.5 44.2 66.2
119 33.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

Tgt Ion:152 Resp: 258986
Ion Ratio Lower Upper
152 100
115 62.2 28.9 86.7
150 161.3 0.0 356.2

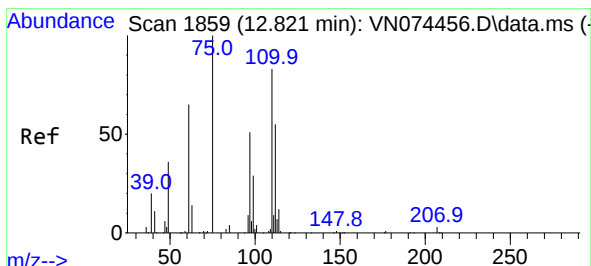
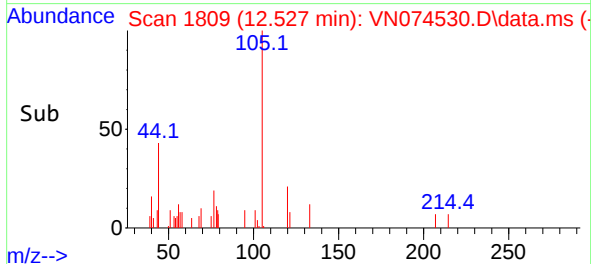
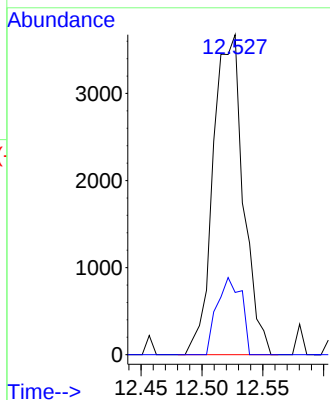
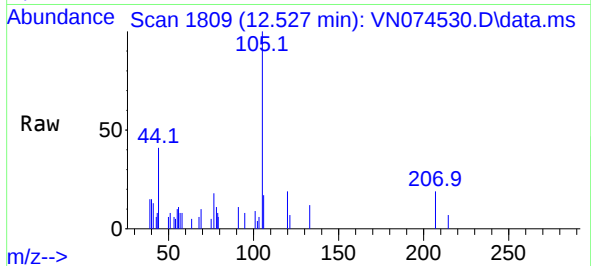




#73
Isopropylbenzene
Concen: 0.239 ug/l
RT: 12.527 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

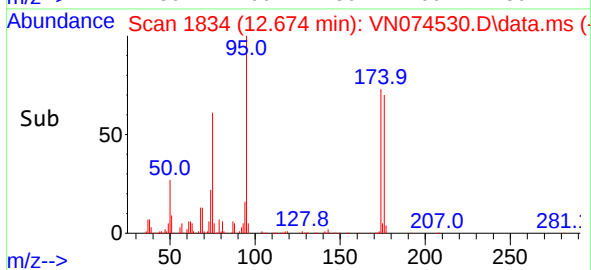
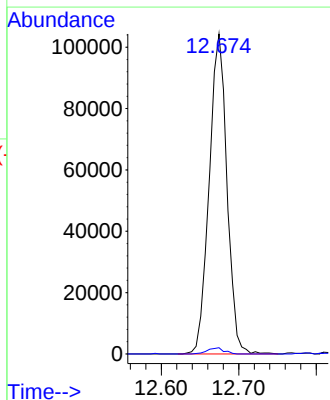
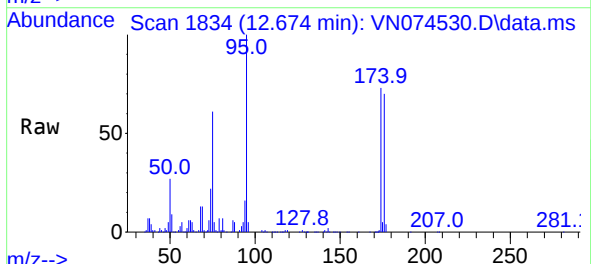
Instrument :
MSVOA_N
ClientSampleId :
MW-47

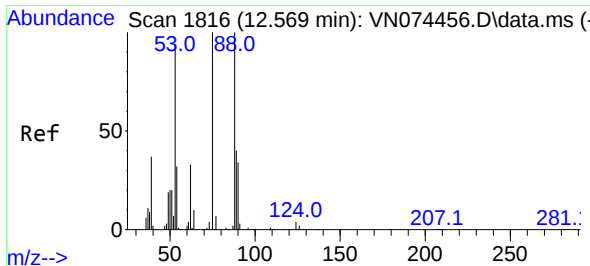
Tgt Ion:105 Resp: 6345
Ion Ratio Lower Upper
105 100
120 19.4 13.5 40.4



#76
1,2,3-Trichloropropane
Concen: 20.924 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

Tgt Ion: 75 Resp: 166804
Ion Ratio Lower Upper
75 100
77 1.8 98.5 295.5#

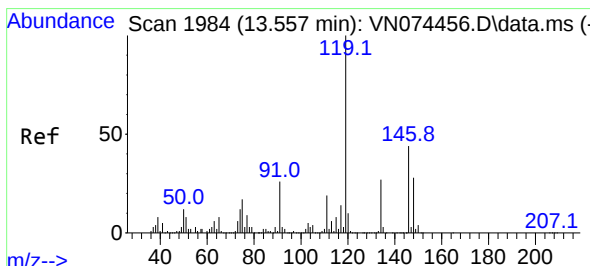
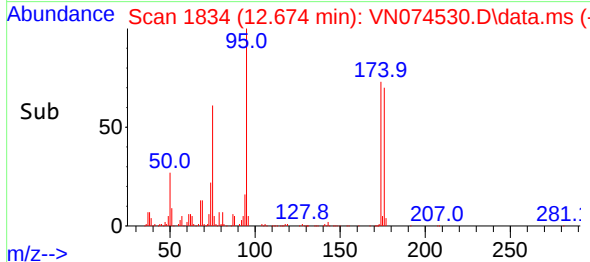
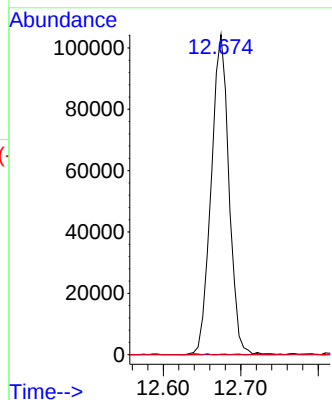
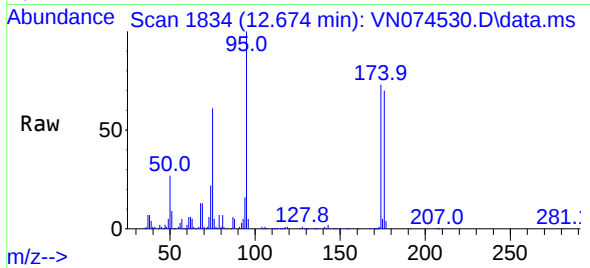




#81
trans-1,4-Dichloro-2-butene
Concen: 45.161 ug/l
RT: 12.674 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

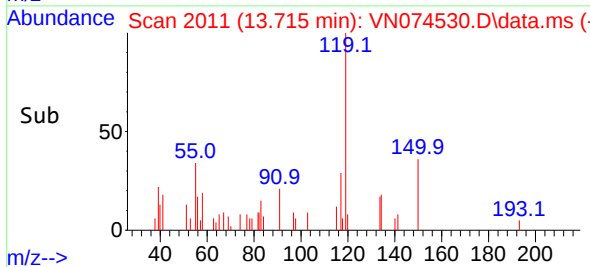
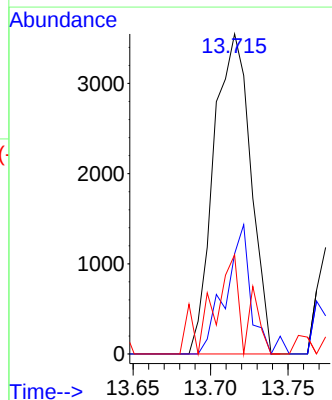
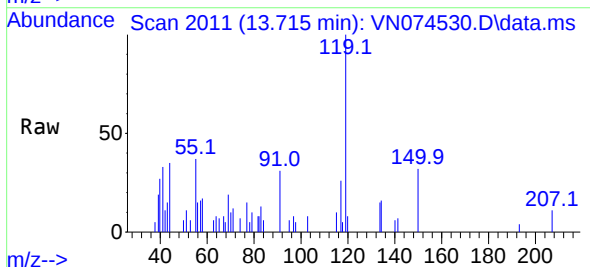
Instrument :
MSVOA_N
ClientSampleId :
MW-47

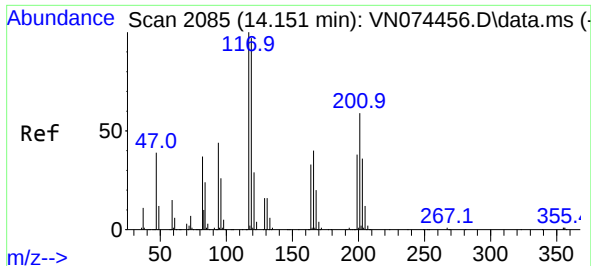
Tgt Ion: 75 Resp: 166804
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#86
p-Isopropyltoluene
Concen: 0.279 ug/l
RT: 13.715 min Scan# 2011
Delta R.T. 0.158 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

Tgt Ion: 119 Resp: 5875
Ion Ratio Lower Upper
119 100
134 28.1 13.3 39.8
91 27.3 11.3 33.9

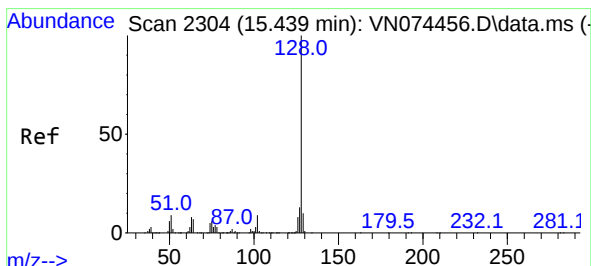
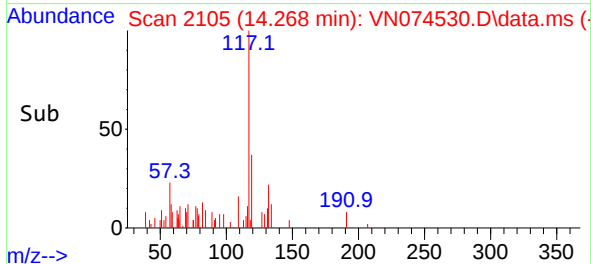
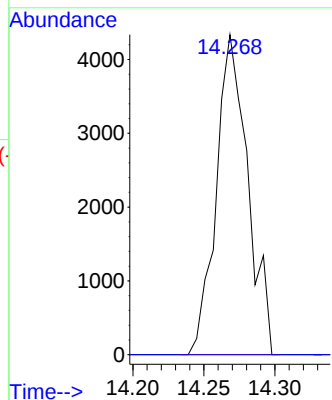
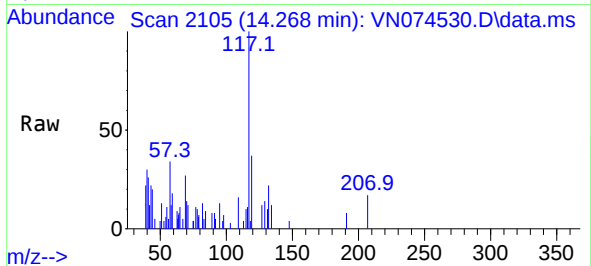




#90
Hexachloroethane
Concen: 1.463 ug/l
RT: 14.268 min Scan# 2105
Delta R.T. 0.117 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

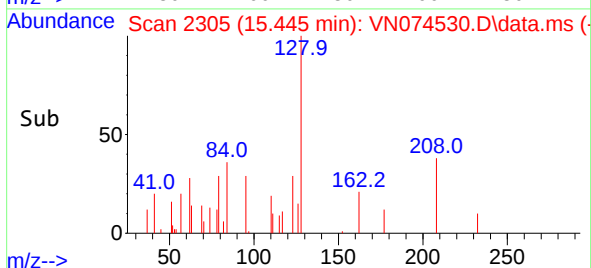
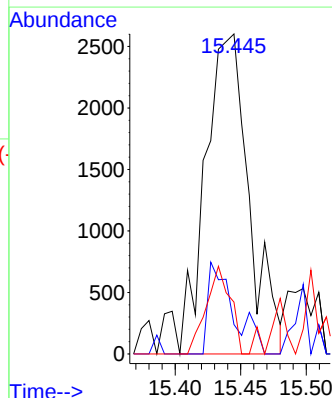
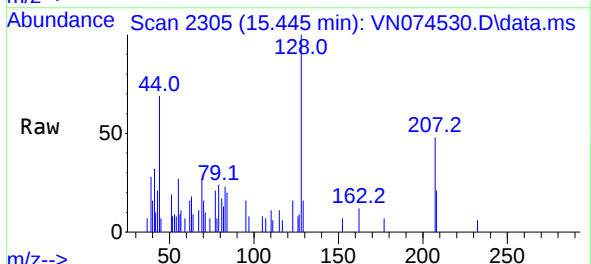
Instrument :
MSVOA_N
ClientSampleId :
MW-47

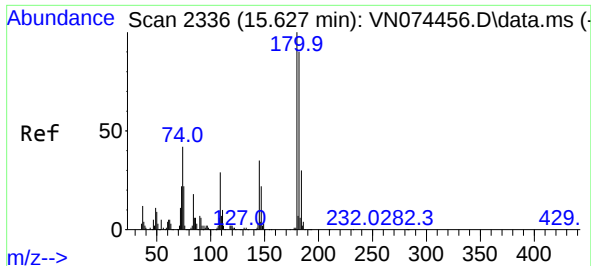
Tgt Ion:117 Resp: 6703
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 1.852 ug/l
RT: 15.445 min Scan# 2305
Delta R.T. 0.006 min
Lab File: VN074530.D
Acq: 17 Sep 2022 00:06

Tgt Ion:128 Resp: 6011
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 15.2 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 1.439 ug/l

RT: 15.633 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN074530.D

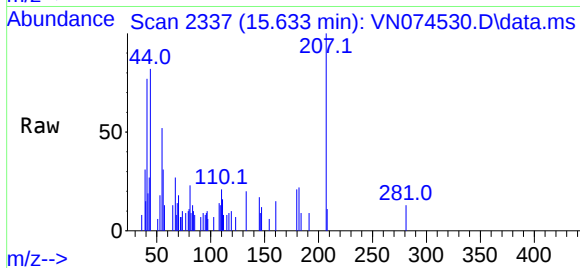
Acq: 17 Sep 2022 00:06

Instrument :

MSVOA_N

ClientSampleId :

MW-47



Tgt Ion:180 Resp: 558

Ion Ratio Lower Upper

180 100

182 103.0 47.8 143.3

145 399.8 15.5 46.5#

