

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
 Data File : VN074594.D
 Acq On : 19 Sep 2022 18:30
 Operator : JC\MD
 Sample : N4566-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Sep 20 04:21:12 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)

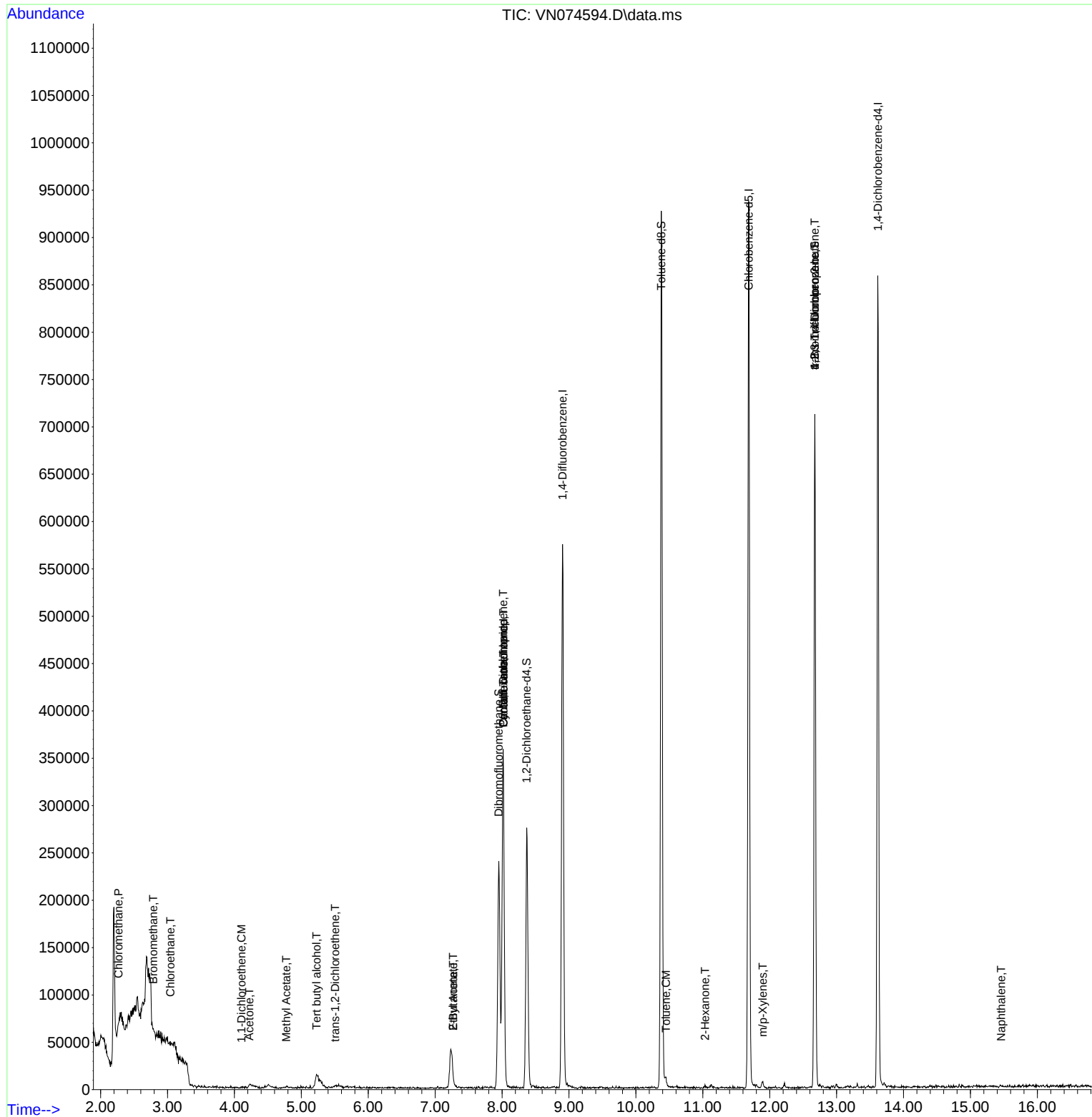
Internal Standards						
1) Pentafluorobenzene	8.022	168	246713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	475403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	479347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	197019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	199430	47.641	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.280%
35) Dibromofluoromethane	7.951	113	164158	51.981	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.960%
50) Toluene-d8	10.380	98	590137	48.319	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.640%
62) 4-Bromofluorobenzene	12.674	95	213494	51.039	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.080%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	2397	0.786	ug/l #	54
5) Bromomethane	2.787	94	1245	0.488	ug/l #	56
6) Chloroethane	3.046	64	4160	1.260	ug/l #	52
11) Tert butyl alcohol	5.228	59	6527	4.786	ug/l #	72
12) 1,1-Dichloroethene	4.104	96	384	0.801	ug/l #	1
16) Acetone	4.222	43	2731	1.020	ug/l #	78
18) Methyl Acetate	4.775	43	2705	0.325	ug/l #	56
21) trans-1,2-Dichloroethene	5.504	96	130	0.465	ug/l #	1
25) 2-Butanone	7.269	43	4803	1.080	ug/l #	89
31) Cyclohexane	8.022	56	8533	1.148	ug/l #	39
36) 1,1-Dichloropropene	8.016	75	25080	4.487	ug/l #	49
37) Ethyl Acetate	7.269	43	4803	0.556	ug/l #	67
38) Carbon Tetrachloride	8.022	117	26092	5.056	ug/l #	17
52) Toluene	10.451	92	3088	0.305	ug/l #	65
59) 2-Hexanone	11.033	43	1450	0.215	ug/l #	21
68) m/p-Xylenes	11.898	106	2092	0.256	ug/l	87
76) 1,2,3-Trichloropropane	12.674	75	130836	21.575	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	130836	46.565	ug/l #	11
95) Naphthalene	15.457	128	1485	1.674	ug/l #	88

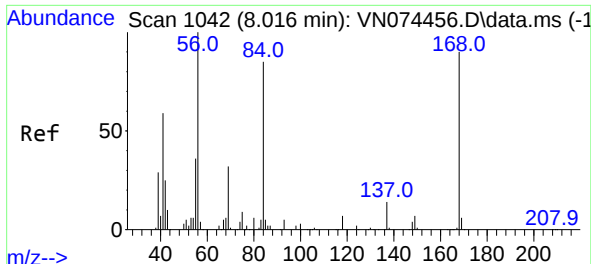
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 20 04:21:12 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

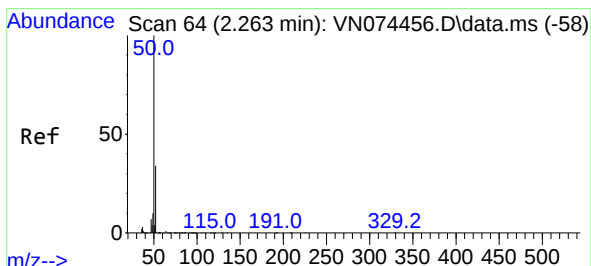
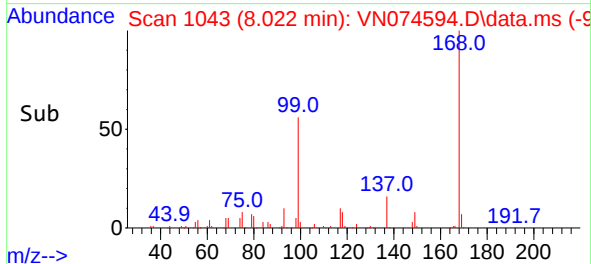
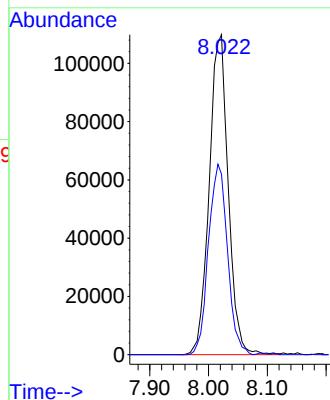
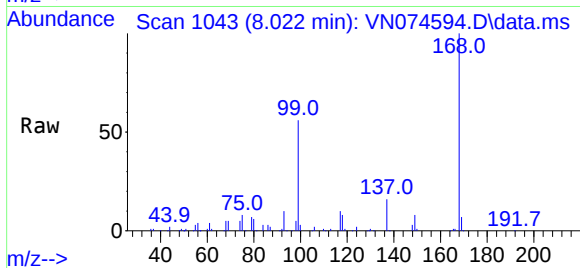




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

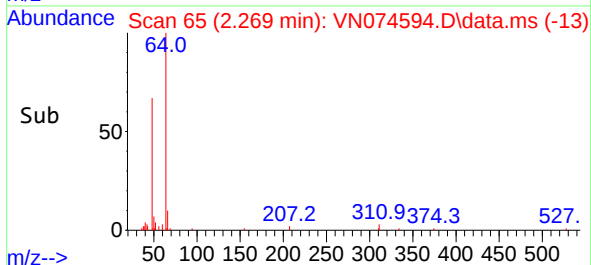
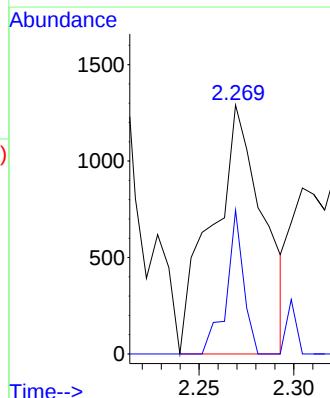
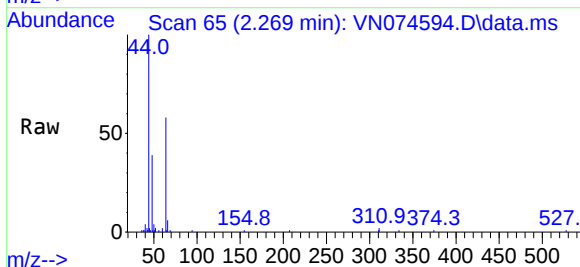
Instrument :
MSVOA_N
ClientSampleId :
MW-2

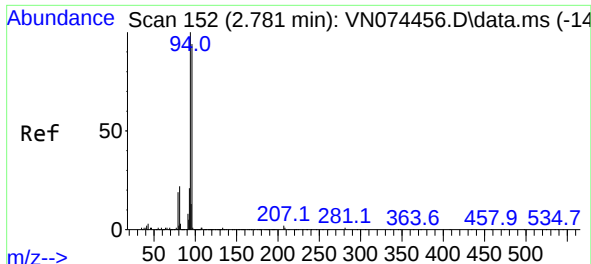
Tgt Ion:168 Resp: 246713
Ion Ratio Lower Upper
168 100
99 56.5 42.3 63.5



#3
Chloromethane
Concen: 0.786 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

Tgt Ion: 50 Resp: 2397
Ion Ratio Lower Upper
50 100
52 57.8 25.7 38.5#

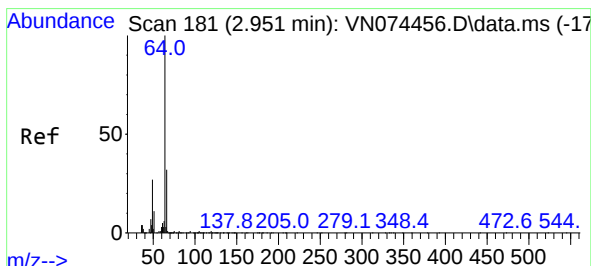
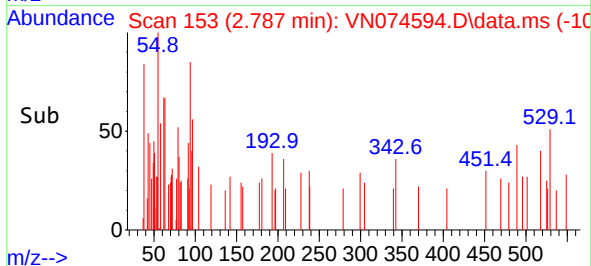
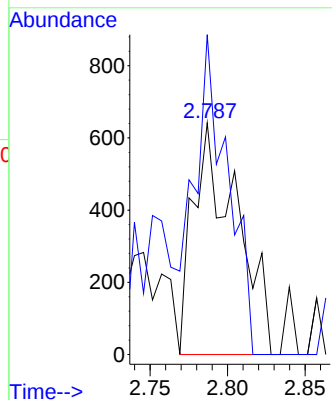
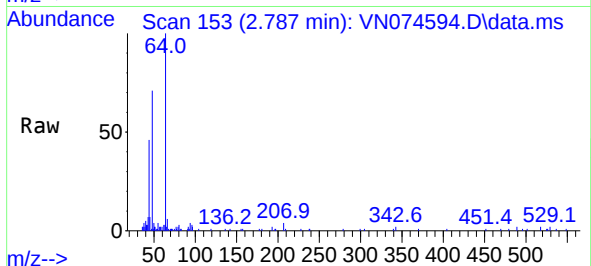




#5
Bromomethane
Concen: 0.488 ug/l
RT: 2.787 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

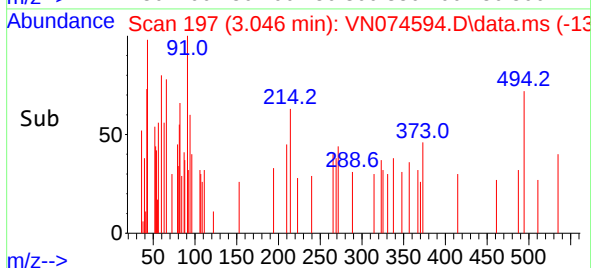
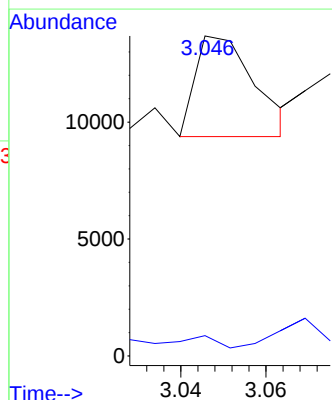
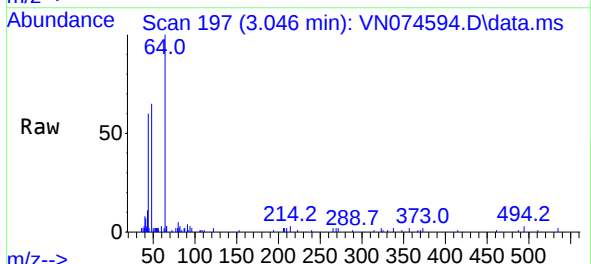
Instrument :
MSVOA_N
ClientSampleId :
MW-2

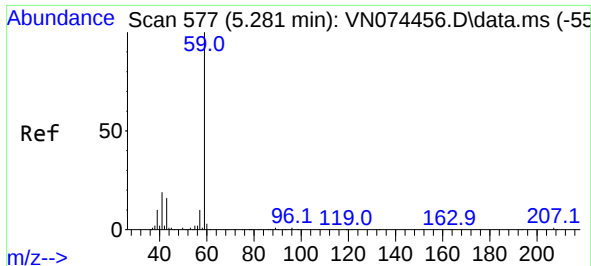
Tgt Ion: 94 Resp: 1245
Ion Ratio Lower Upper
94 100
96 138.0 76.0 114.0#



#6
Chloroethane
Concen: 1.260 ug/l
RT: 3.046 min Scan# 197
Delta R.T. 0.095 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

Tgt Ion: 64 Resp: 4160
Ion Ratio Lower Upper
64 100
66 5.9 26.2 39.4#

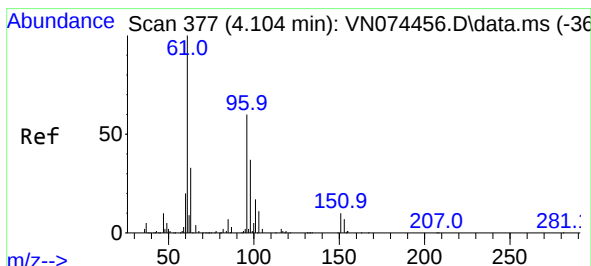
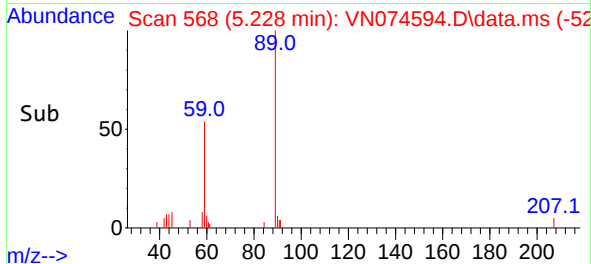
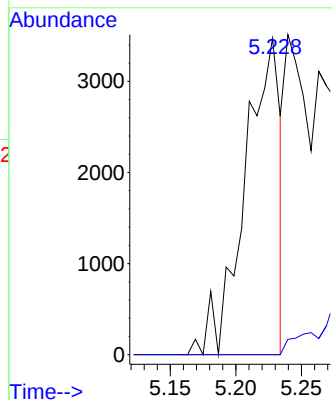
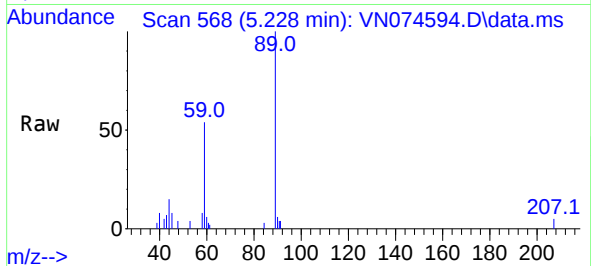




#11
Tert butyl alcohol
Concen: 4.786 ug/l
RT: 5.228 min Scan# 511
Delta R.T. -0.053 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

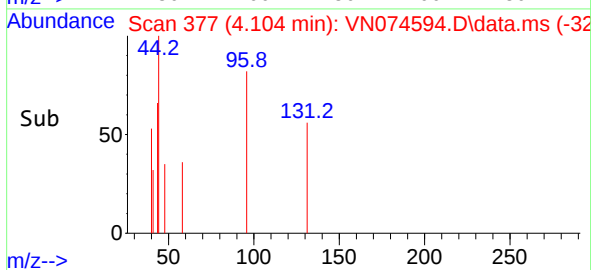
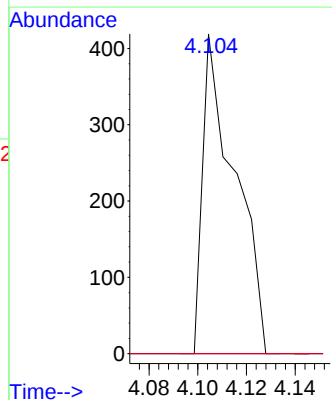
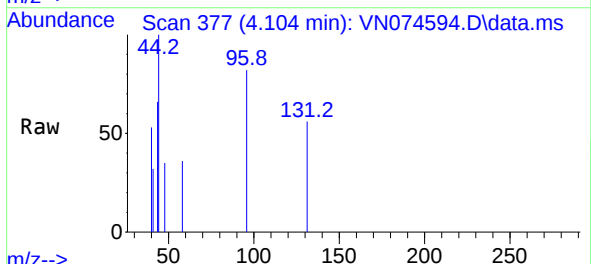
Instrument :
MSVOA_N
ClientSampleId :
MW-2

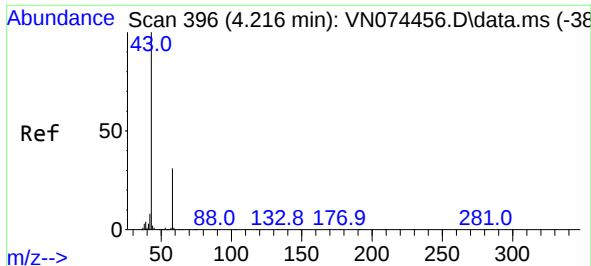
Tgt Ion: 59 Resp: 6527
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.801 ug/l
RT: 4.104 min Scan# 377
Delta R.T. 0.000 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

Tgt Ion: 96 Resp: 384
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#

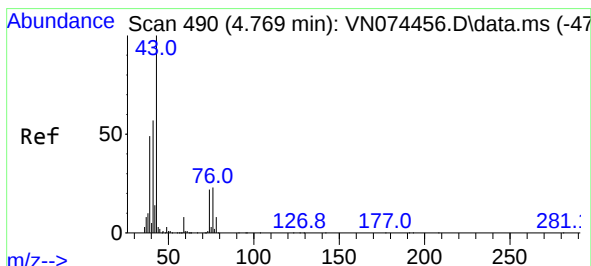
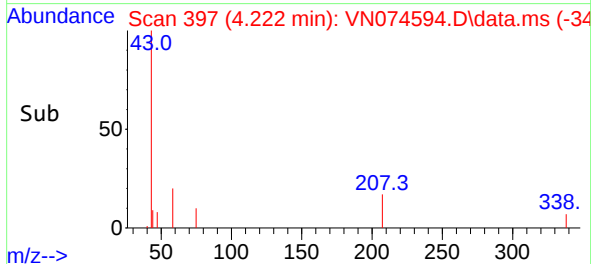
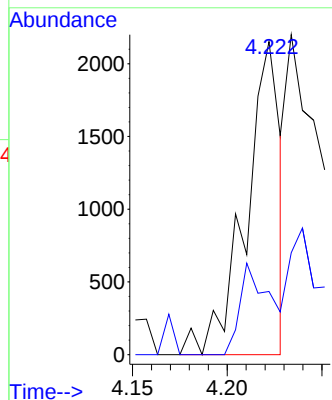
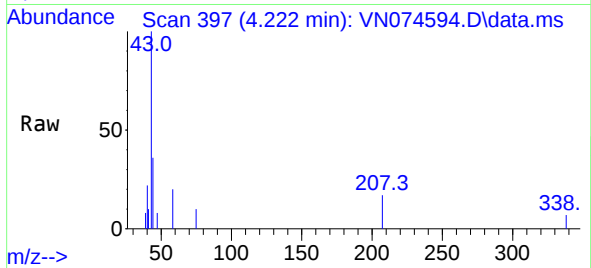




#16
Acetone
Concen: 1.020 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

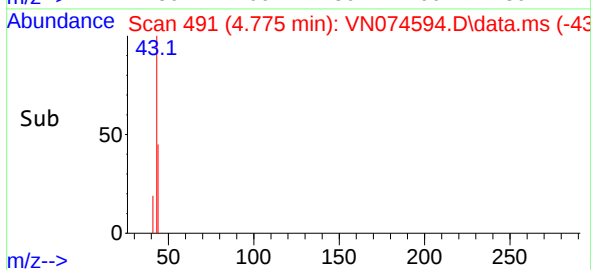
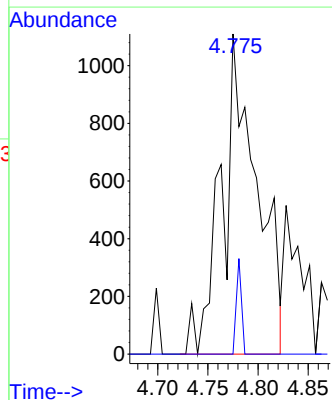
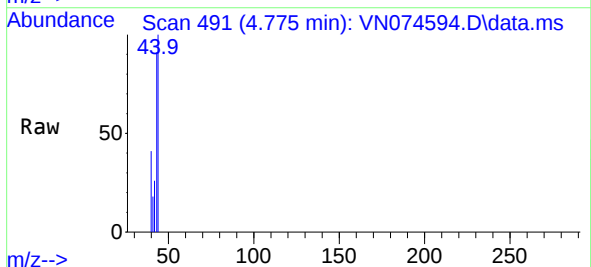
Instrument :
MSVOA_N
ClientSampleId :
MW-2

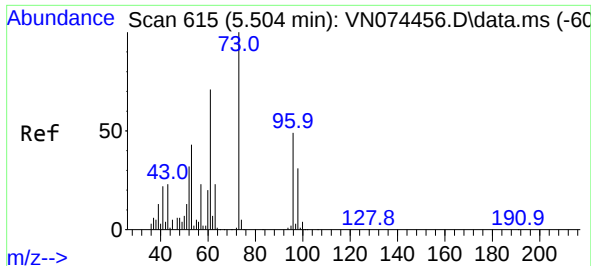
Tgt Ion: 43 Resp: 2731
Ion Ratio Lower Upper
43 100
58 20.2 26.0 39.0#



#18
Methyl Acetate
Concen: 0.325 ug/l
RT: 4.775 min Scan# 491
Delta R.T. 0.006 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

Tgt Ion: 43 Resp: 2705
Ion Ratio Lower Upper
43 100
74 4.3 21.6 32.4#

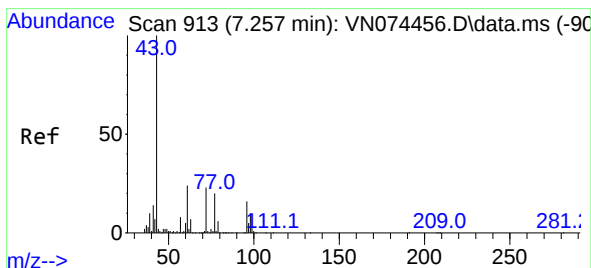
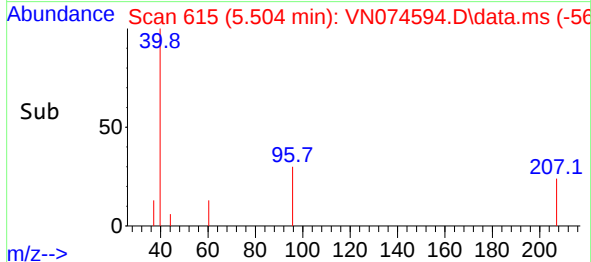
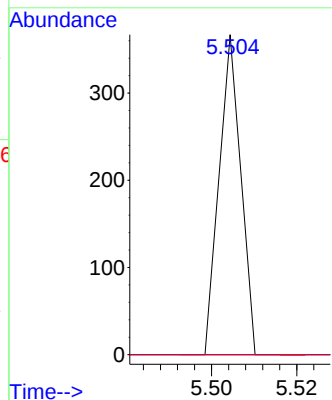
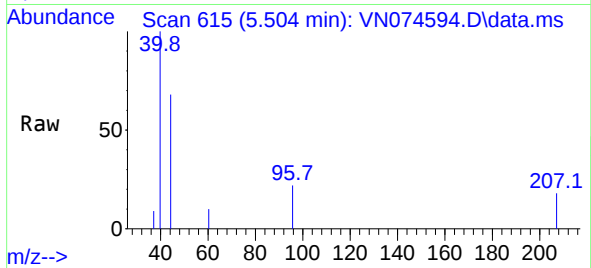




#21
trans-1,2-Dichloroethene
Concen: 0.465 ug/l
RT: 5.504 min Scan# 615
Delta R.T. 0.000 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

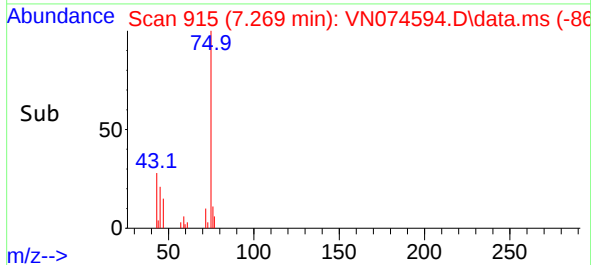
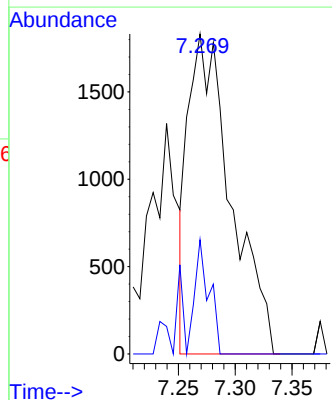
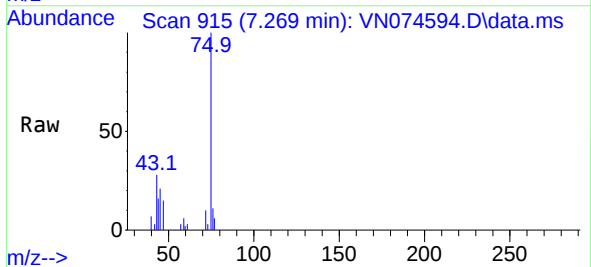
Instrument :
MSVOA_N
ClientSampleId :
MW-2

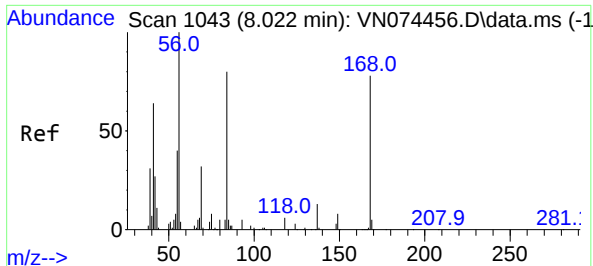
Tgt Ion: 96 Resp: 130
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#



#25
2-Butanone
Concen: 1.080 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

Tgt Ion: 43 Resp: 4803
Ion Ratio Lower Upper
43 100
72 35.7 23.7 35.5#

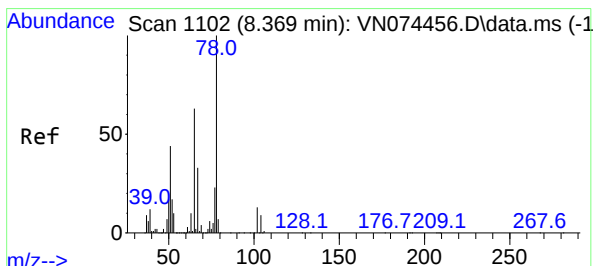
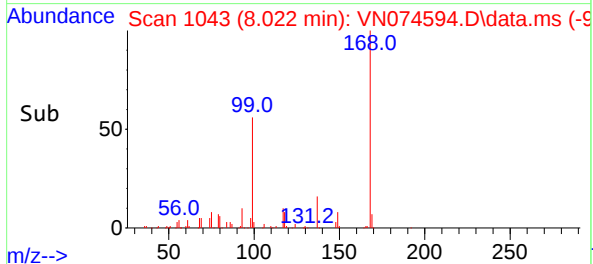
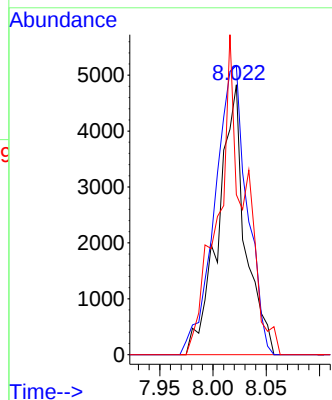
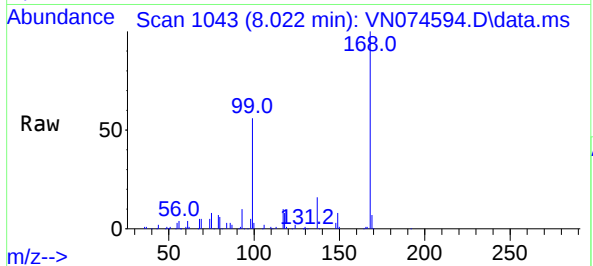




#31
Cyclohexane
Concen: 1.148 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

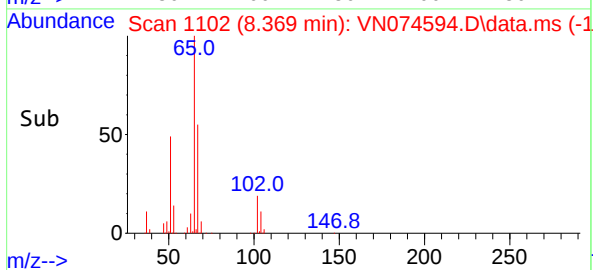
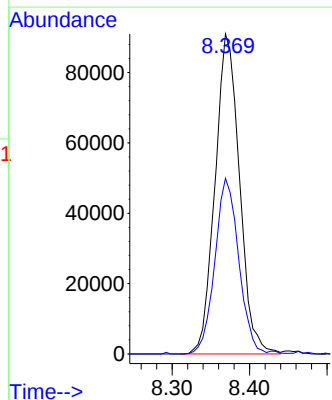
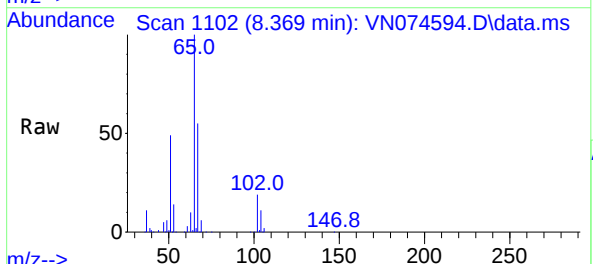
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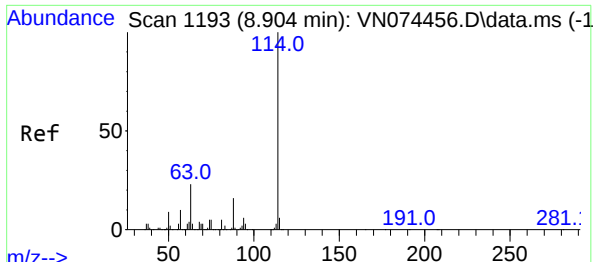
Tgt Ion: 56 Resp: 8533
Ion Ratio Lower Upper
56 100
69 107.1 27.8 41.8#
84 59.3 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.641 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

Tgt Ion: 65 Resp: 199430
Ion Ratio Lower Upper
65 100
67 53.8 0.0 104.8



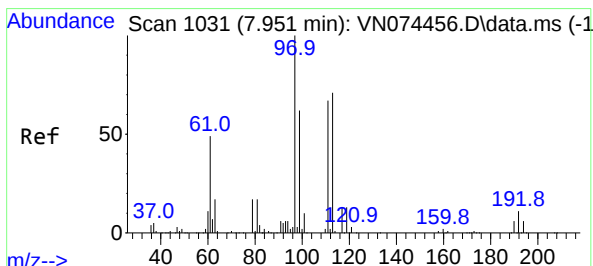
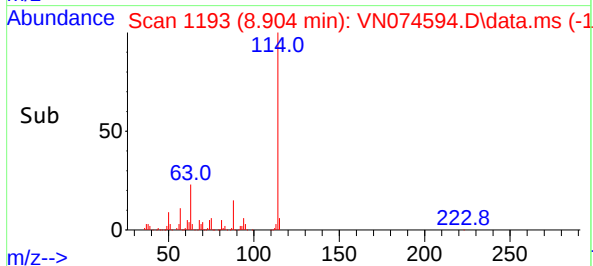
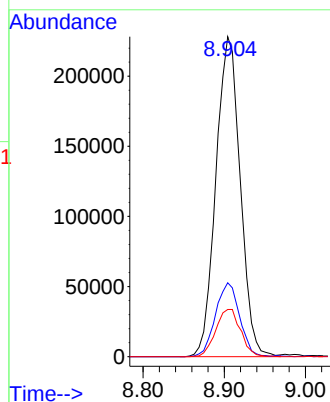
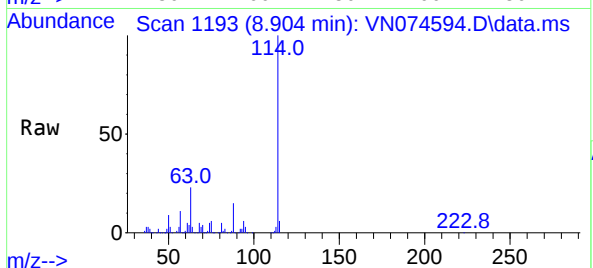


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion:114 Resp: 475403

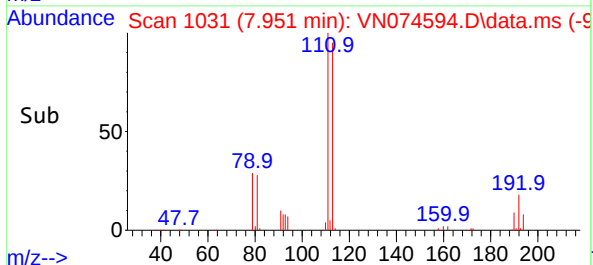
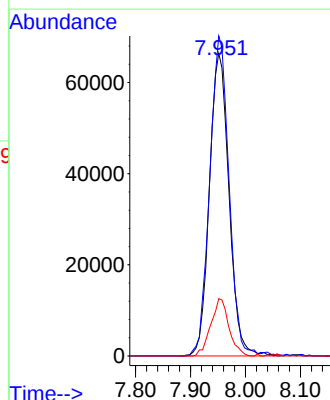
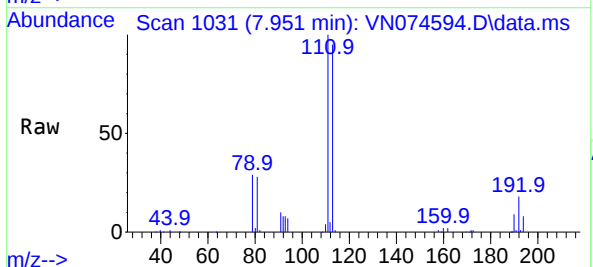
Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	40.0
88	14.8	0.0	32.6

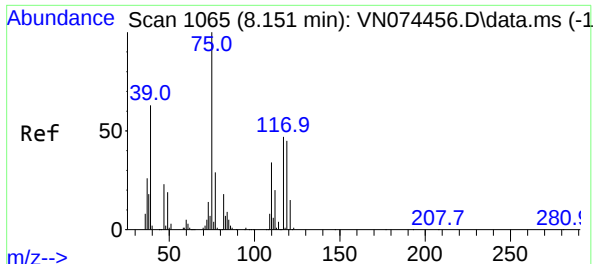


#35
Dibromofluoromethane
Concen: 51.981 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

Tgt Ion:113 Resp: 164158

Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.4	122.0
192	17.6	17.0	25.6

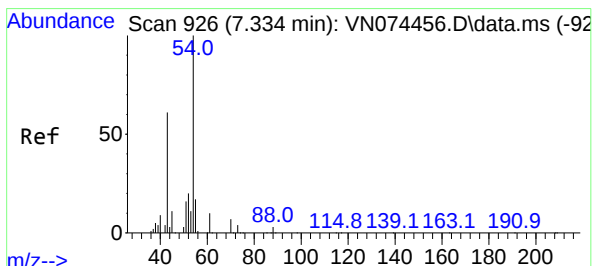
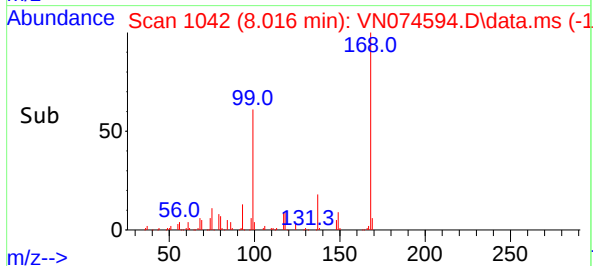
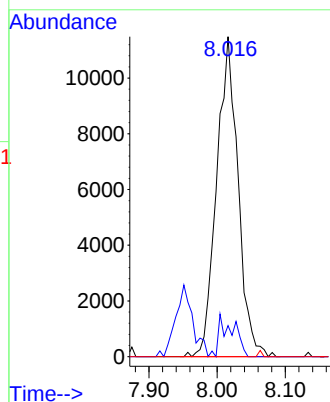
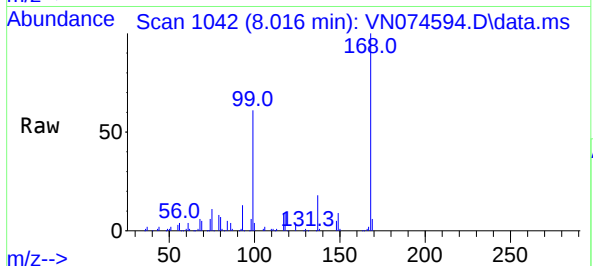




#36
1,1-Dichloropropene
Concen: 4.487 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

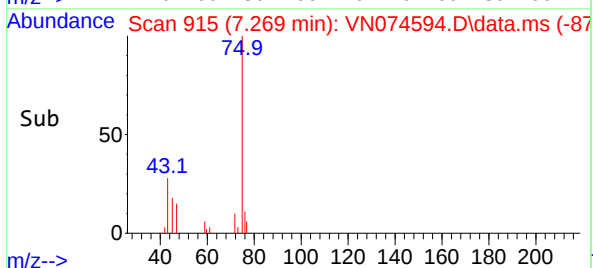
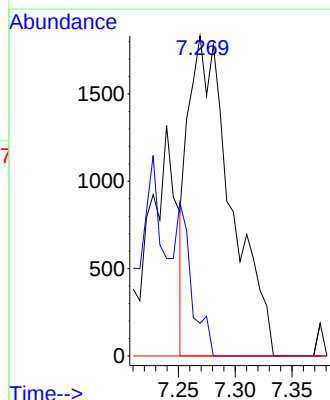
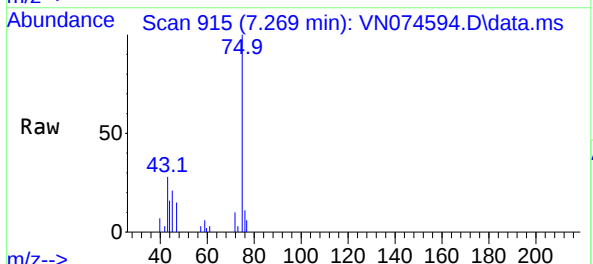
Instrument :
MSVOA_N
ClientSampleId :
MW-2

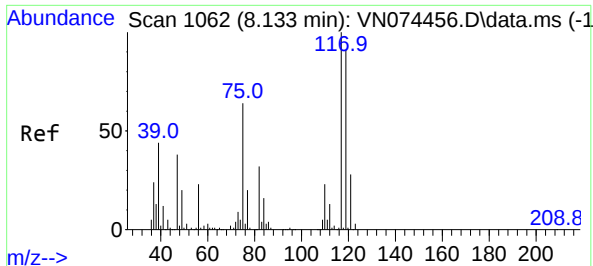
Tgt Ion: 75 Resp: 25080
Ion Ratio Lower Upper
75 100
110 9.2 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 0.556 ug/l
RT: 7.269 min Scan# 915
Delta R.T. -0.065 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

Tgt Ion: 43 Resp: 4803
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#

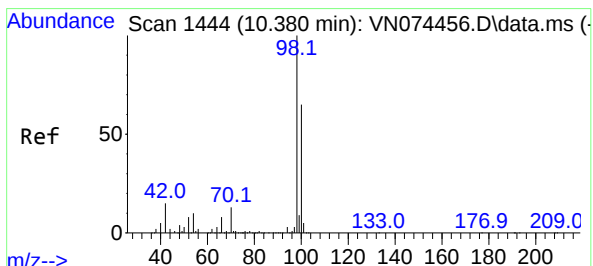
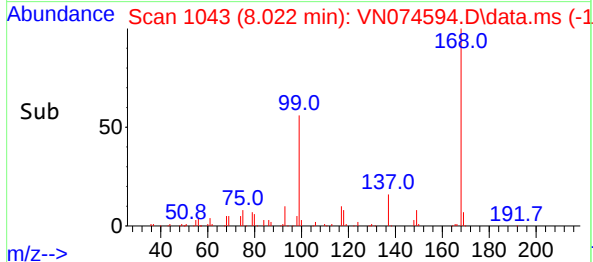
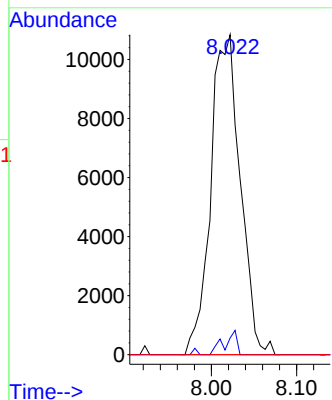
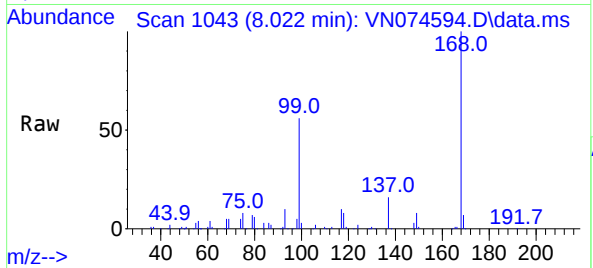




#38
Carbon Tetrachloride
Concen: 5.056 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

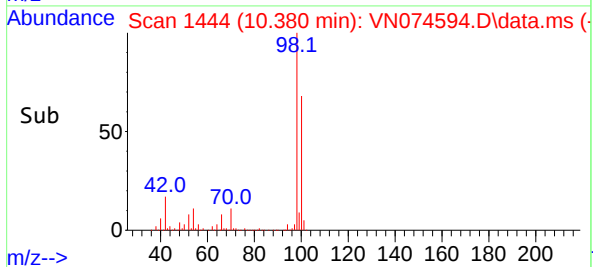
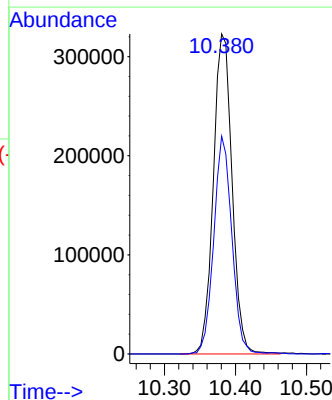
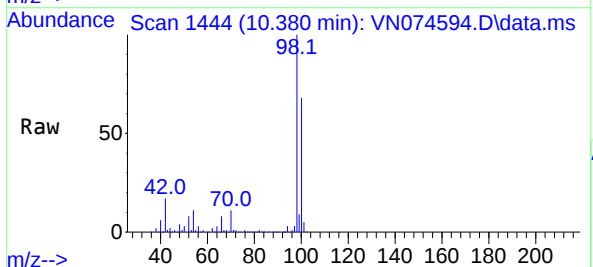
Instrument :
MSVOA_N
ClientSampleId :
MW-2

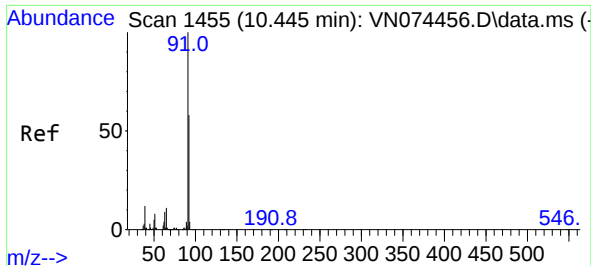
Tgt Ion:117 Resp: 26092
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 48.319 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

Tgt Ion: 98 Resp: 590137
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8

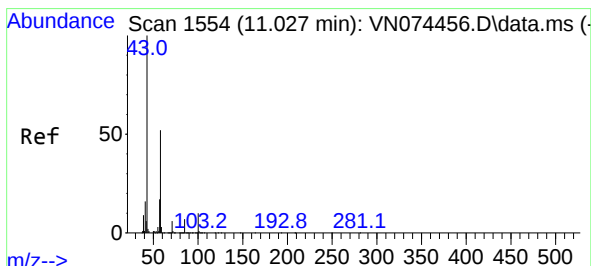
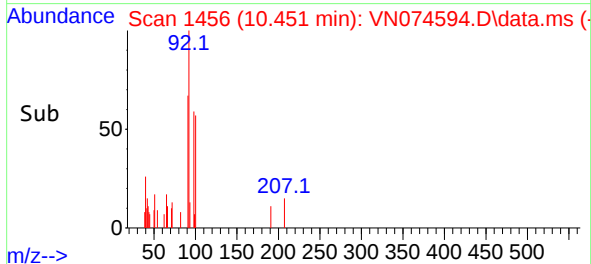
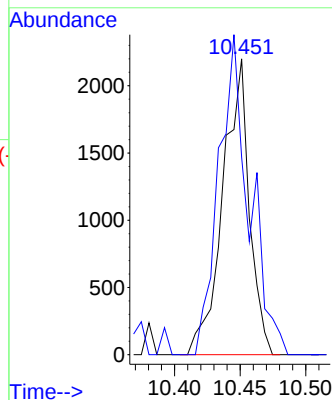
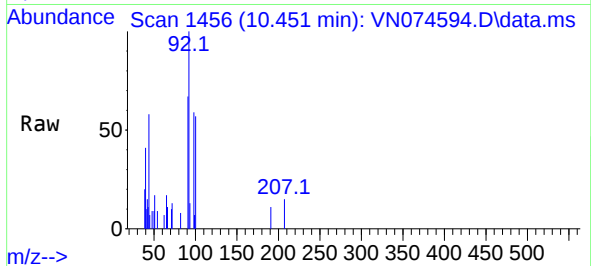




#52
Toluene
Concen: 0.305 ug/l
RT: 10.451 min Scan# 1456
Delta R.T. 0.006 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

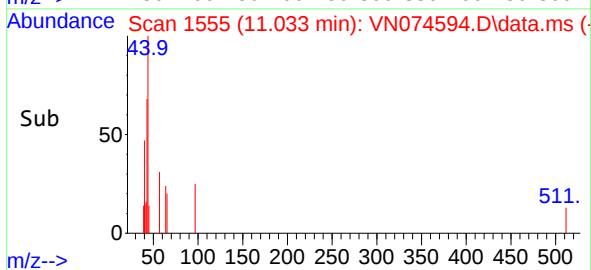
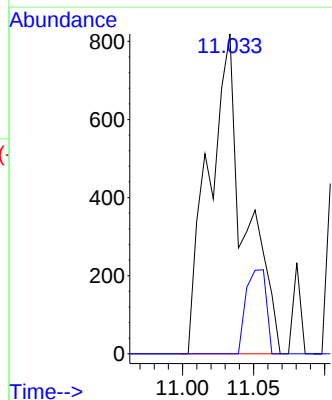
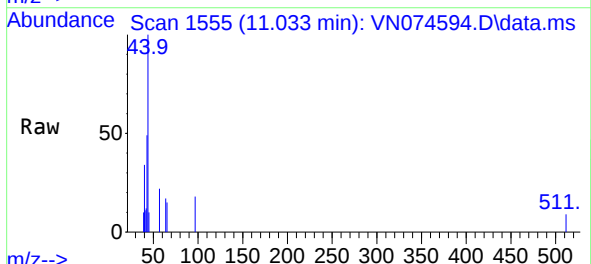
Instrument :
MSVOA_N
ClientSampleId :
MW-2

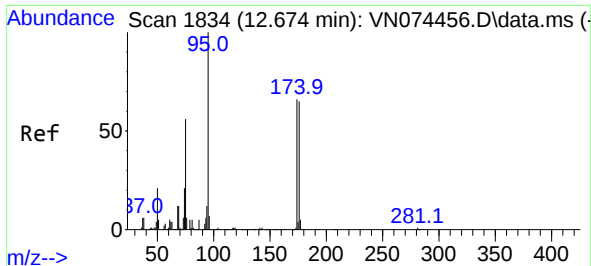
Tgt Ion: 92 Resp: 3088
Ion Ratio Lower Upper
92 100
91 124.9 138.6 207.8#



#59
2-Hexanone
Concen: 0.215 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

Tgt Ion: 43 Resp: 1450
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#

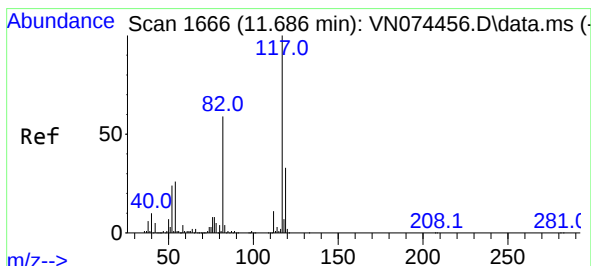
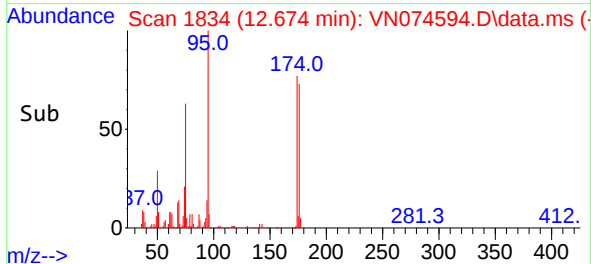
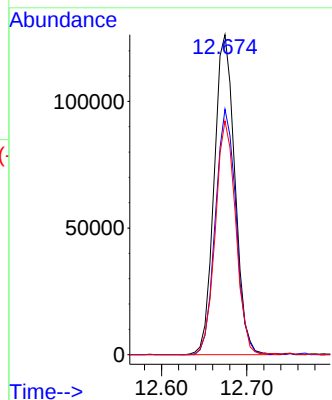
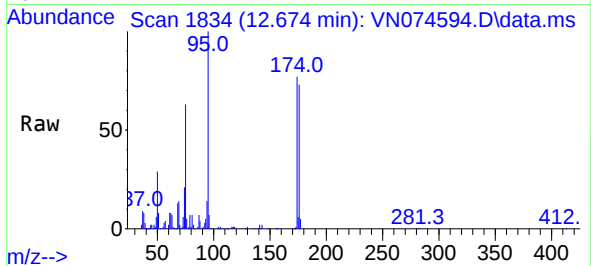




#62
4-Bromofluorobenzene
Concen: 51.039 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

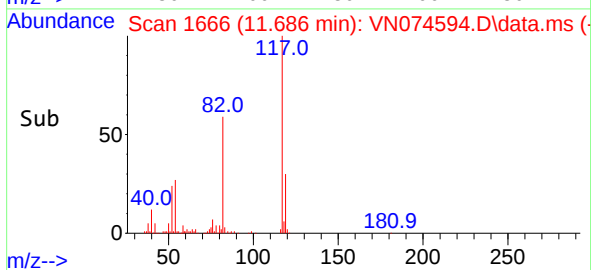
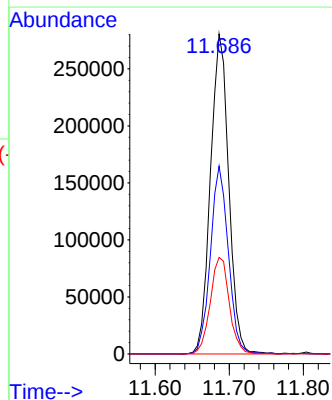
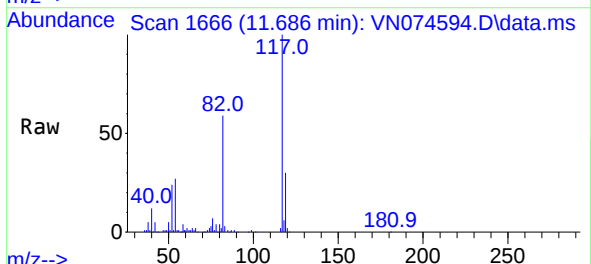
Instrument :
MSVOA_N
ClientSampleId :
MW-2

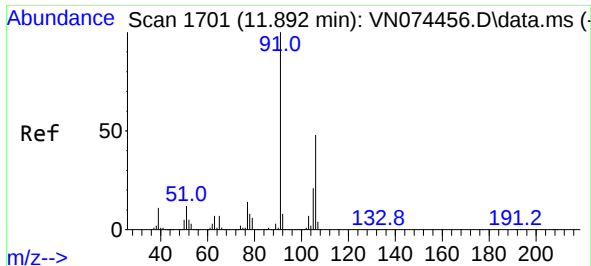
Tgt Ion: 95 Resp: 213494
Ion Ratio Lower Upper
95 100
174 76.5 0.0 167.6
176 72.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

Tgt Ion: 117 Resp: 479347
Ion Ratio Lower Upper
117 100
82 58.7 44.2 66.2
119 30.1 25.4 38.0

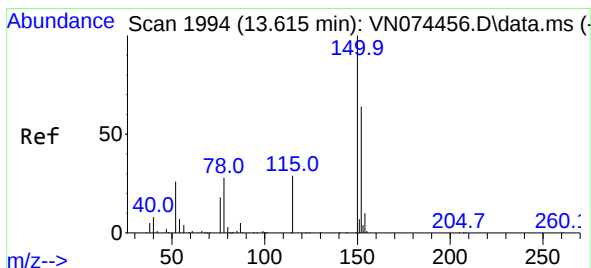
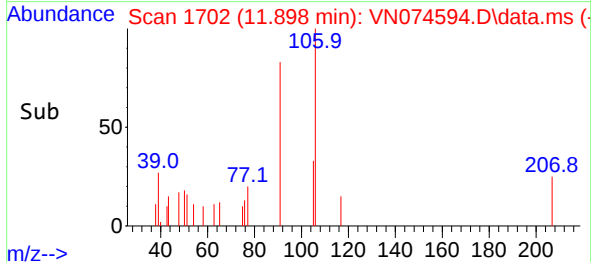
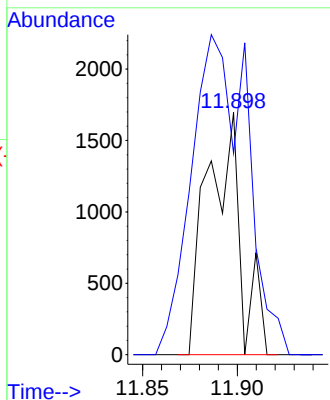
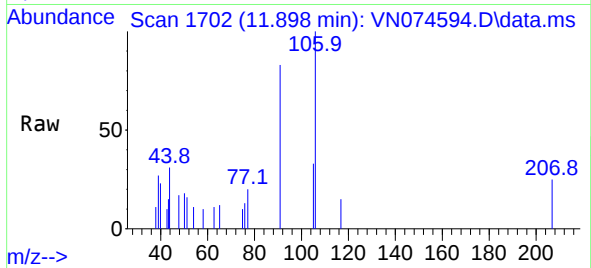




#68
m/p-Xylenes
Concen: 0.256 ug/l
RT: 11.898 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

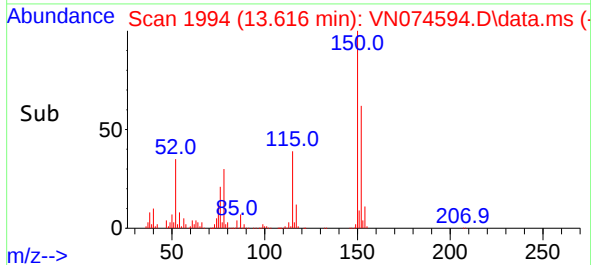
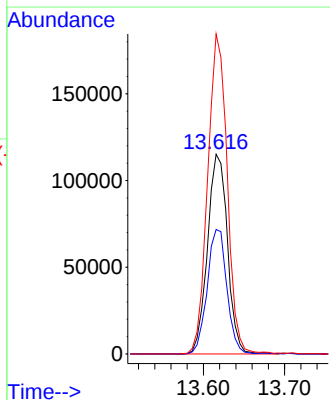
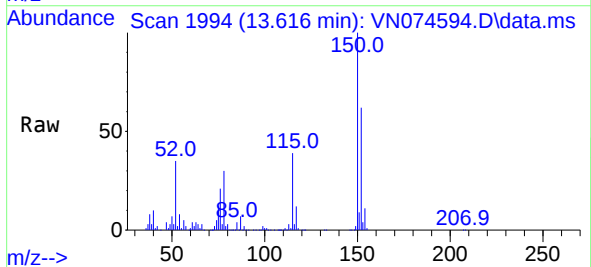
Instrument :
MSVOA_N
ClientSampleId :
MW-2

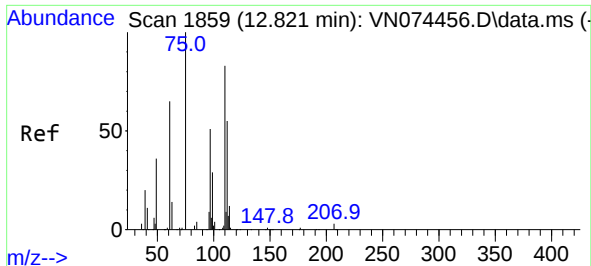
Tgt Ion:106 Resp: 2092
Ion Ratio Lower Upper
106 100
91 218.8 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

Tgt Ion:152 Resp: 197019
Ion Ratio Lower Upper
152 100
115 61.2 28.9 86.7
150 156.5 0.0 356.2

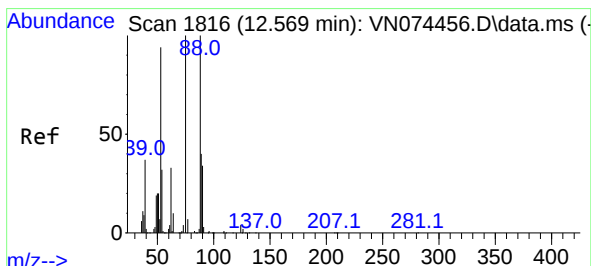
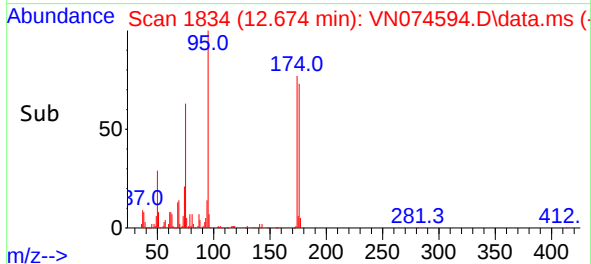
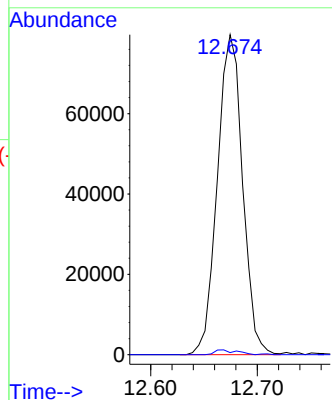
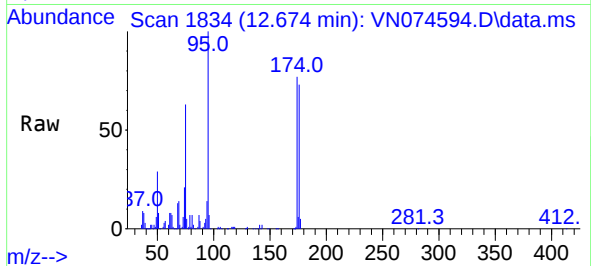




#76
1,2,3-Trichloropropane
Concen: 21.575 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

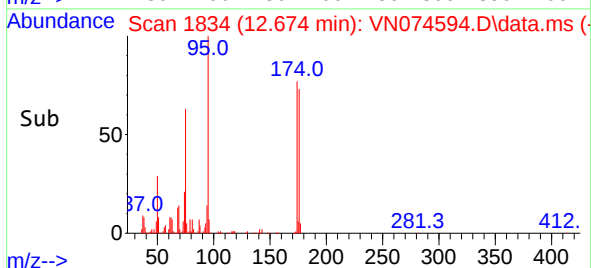
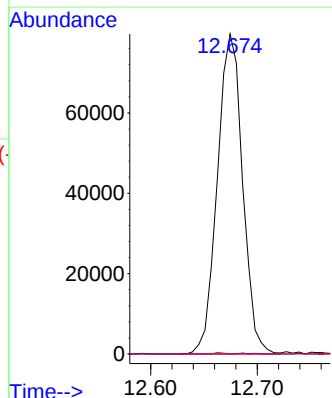
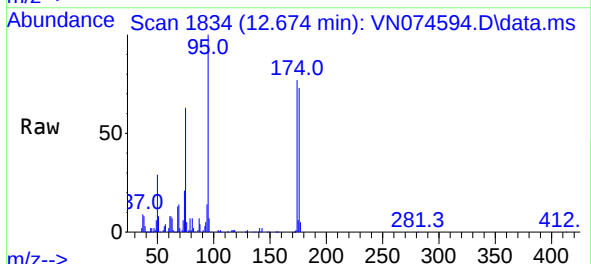
Instrument : MSVOA_N
ClientSampleId : MW-2

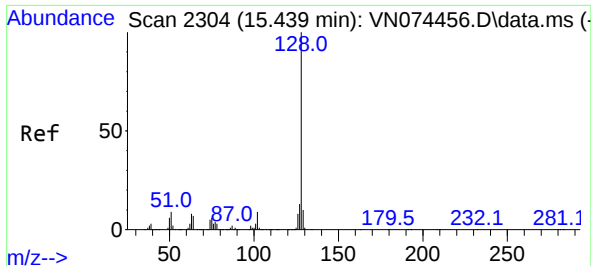
Tgt Ion: 75 Resp: 130836
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.565 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

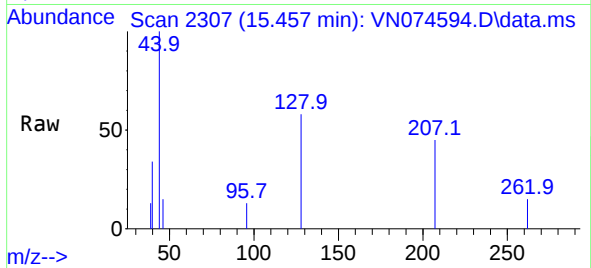
Tgt Ion: 75 Resp: 130836
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 1.674 ug/l
RT: 15.457 min Scan# 21
Delta R.T. 0.018 min
Lab File: VN074594.D
Acq: 19 Sep 2022 18:30

Instrument :
MSVOA_N
ClientSampleId :
MW-2



Tgt Ion:128 Resp: 1485
Ion Ratio Lower Upper
128 100
127 10.0 10.3 15.5#
129 3.8 8.6 13.0#

