

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074519.D
 Acq On : 16 Sep 2022 18:51
 Operator : JC\MD
 Sample : N4628-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

Quant Time: Sep 16 22:35:14 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)

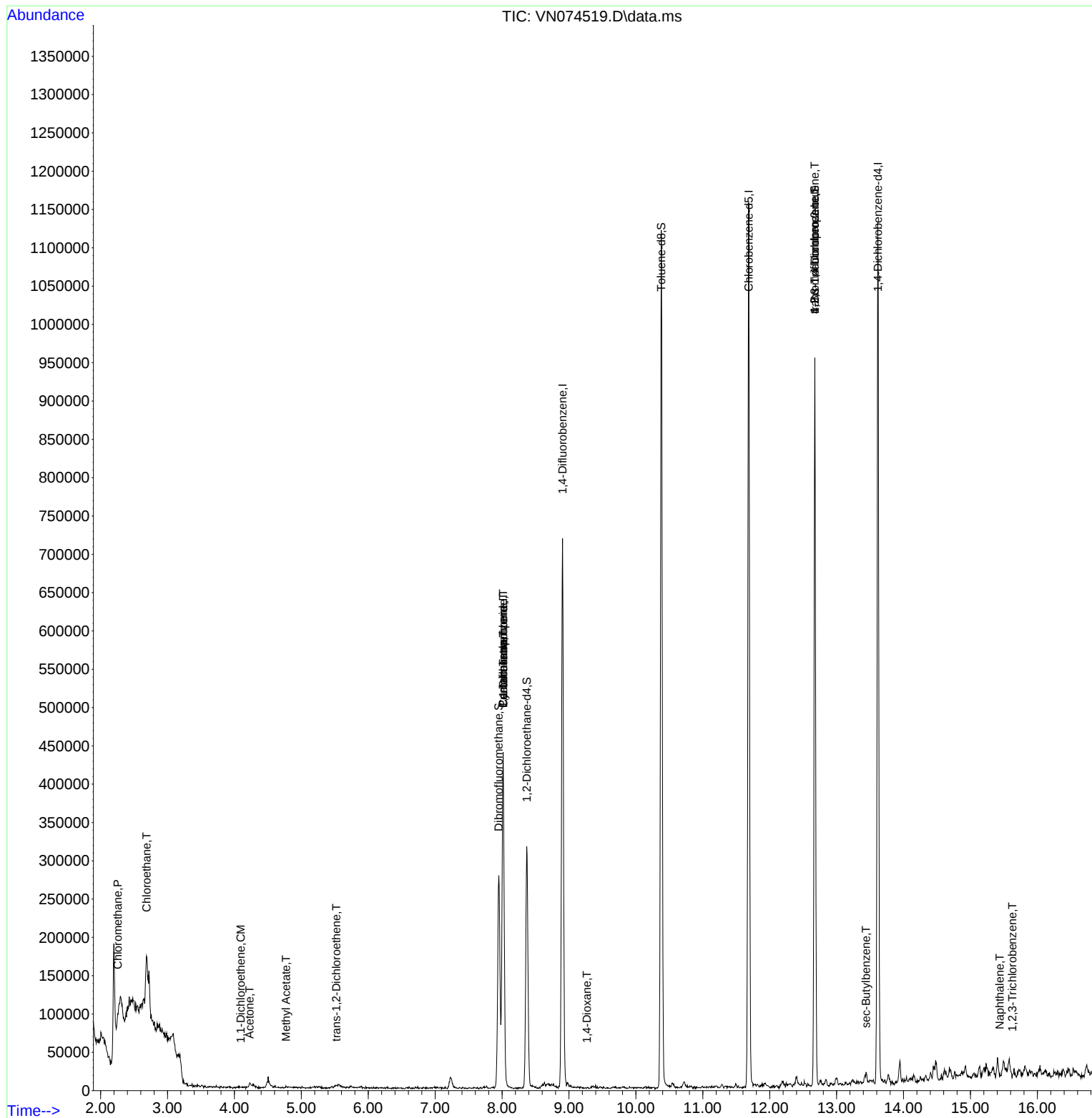
Internal Standards						
1) Pentafluorobenzene	8.016	168	296537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	579907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	582072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	264300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	235639	46.833	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.660%
35) Dibromofluoromethane	7.951	113	196496	51.009	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.020%
50) Toluene-d8	10.380	98	723020	48.531	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.060%
62) 4-Bromofluorobenzene	12.674	95	275208	53.936	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.880%
Target Compounds						
					Qvalue	
3) Chloromethane	2.257	50	884	0.420	ug/l #	68
6) Chloroethane	2.687	64	27161	6.845	ug/l #	48
12) 1,1-Dichloroethene	4.093	96	221	0.740	ug/l #	1
16) Acetone	4.228	43	7229	2.245	ug/l	93
18) Methyl Acetate	4.769	43	4058	0.406	ug/l #	68
21) trans-1,2-Dichloroethene	5.522	96	514	0.548	ug/l #	1
31) Cyclohexane	8.016	56	9743	1.091	ug/l #	18
36) 1,1-Dichloropropene	8.016	75	30329	4.448	ug/l #	50
38) Carbon Tetrachloride	8.016	117	33539	5.328	ug/l #	15
49) 1,4-Dioxane	9.269	88	122	0.868	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	168624	20.727	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	168624	44.736	ug/l #	11
85) sec-Butylbenzene	13.439	105	6909	0.251	ug/l #	65
95) Naphthalene	15.439	128	1233	1.642	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.627	180	169	1.367	ug/l #	39

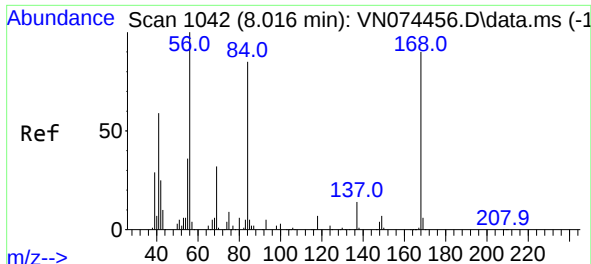
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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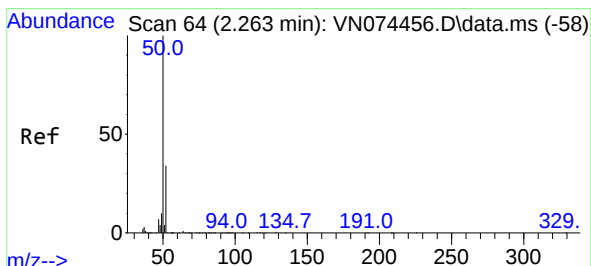
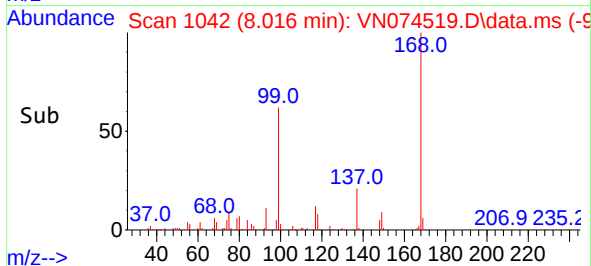
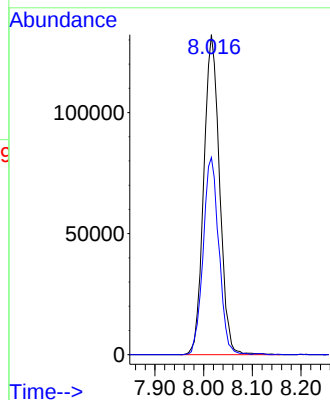
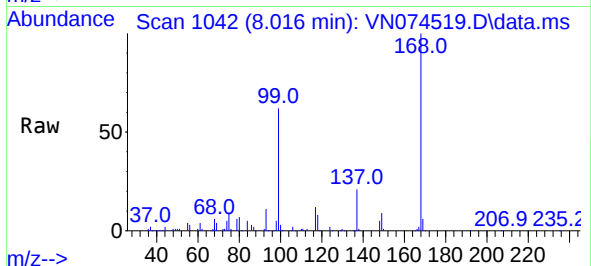




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

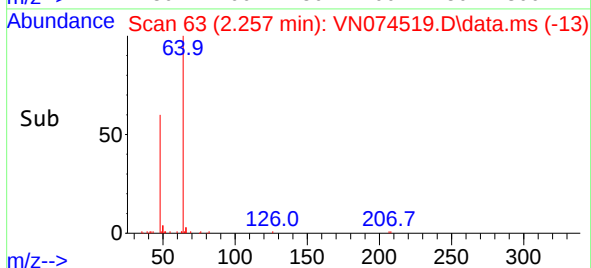
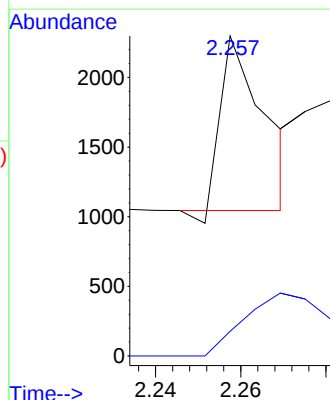
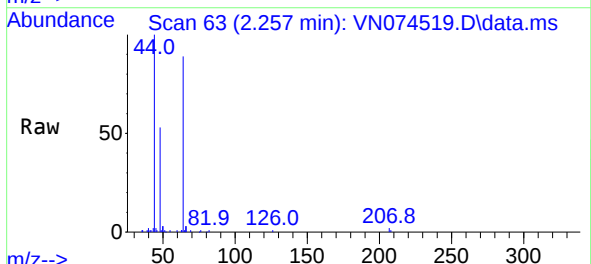
Instrument :
MSVOA_N
ClientSampleId :
MW-7

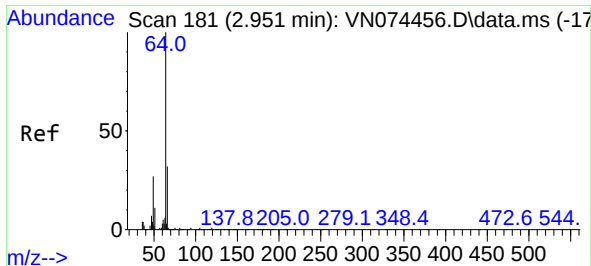
Tgt Ion:168 Resp: 296537
Ion Ratio Lower Upper
168 100
99 61.6 42.3 63.5



#3
Chloromethane
Concen: 0.420 ug/l
RT: 2.257 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

Tgt Ion: 50 Resp: 884
Ion Ratio Lower Upper
50 100
52 14.1 25.7 38.5#

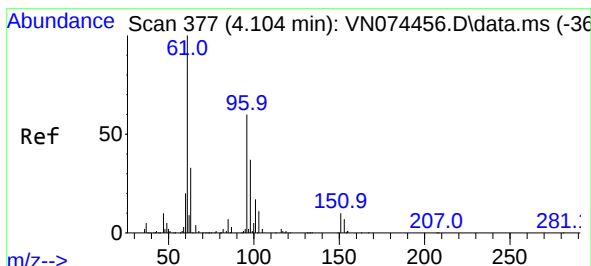
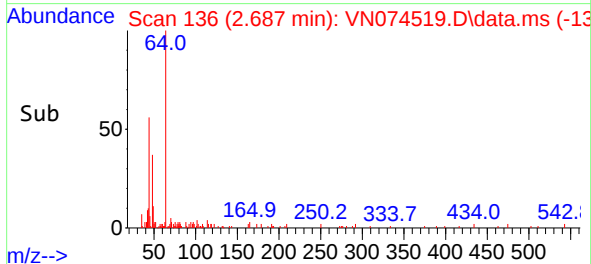
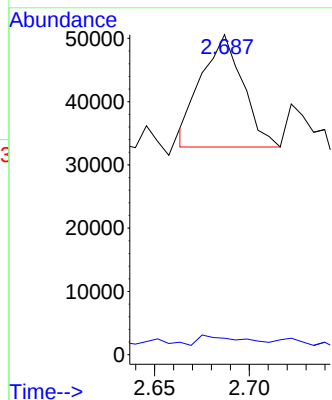
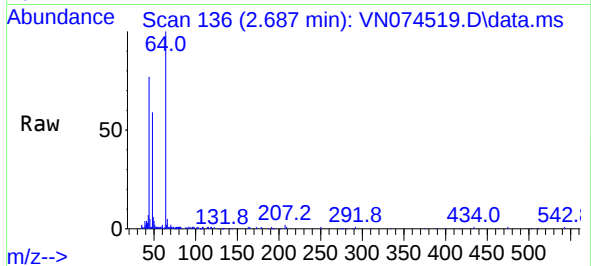




#6
Chloroethane
Concen: 6.845 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.264 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

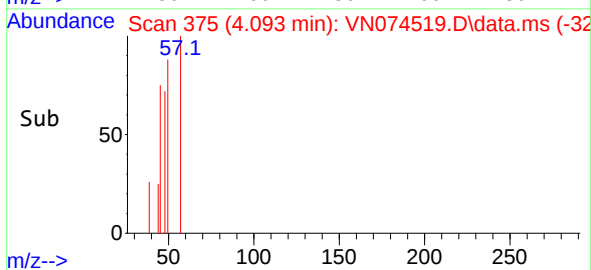
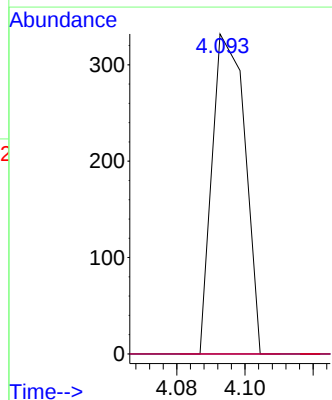
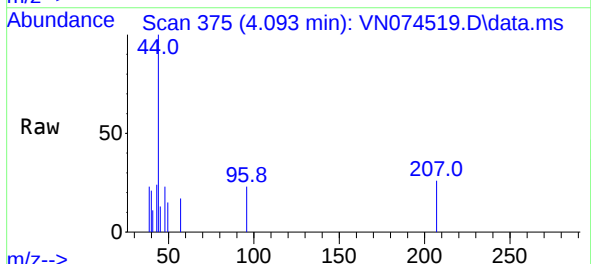
Instrument :
MSVOA_N
ClientSampleId :
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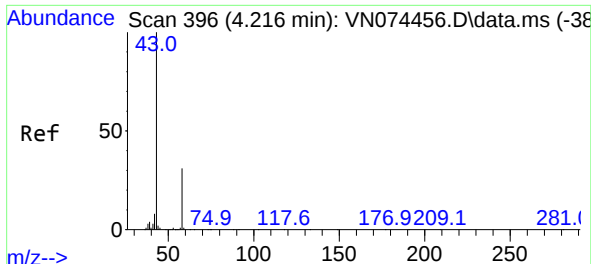
Tgt Ion: 64 Resp: 27161
Ion Ratio Lower Upper
64 100
66 3.5 26.2 39.4#



#12
1,1-Dichloroethene
Concen: 0.740 ug/l
RT: 4.093 min Scan# 375
Delta R.T. -0.011 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

Tgt Ion: 96 Resp: 221
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#

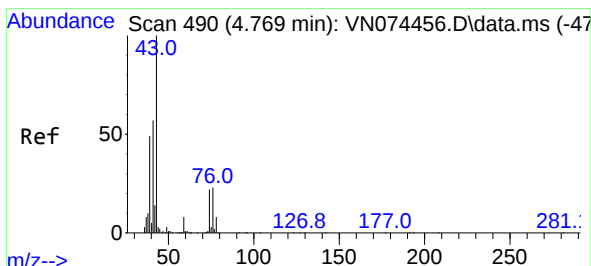
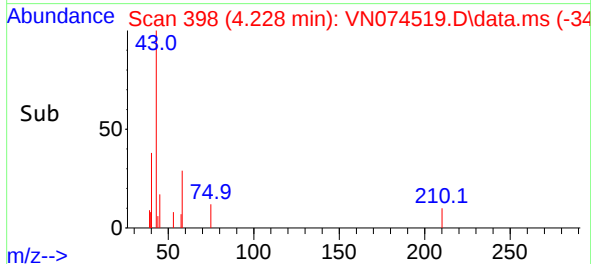
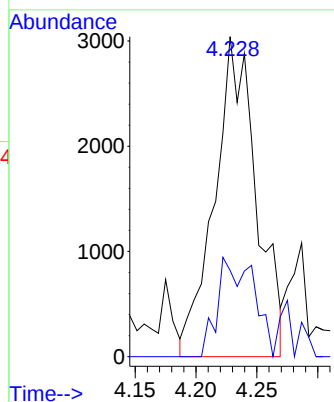
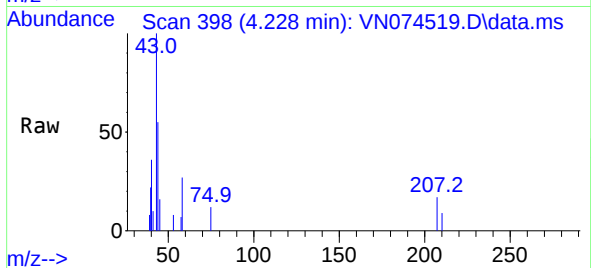




#16
Acetone
Concen: 2.245 ug/l
RT: 4.228 min Scan# 396
Delta R.T. 0.012 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

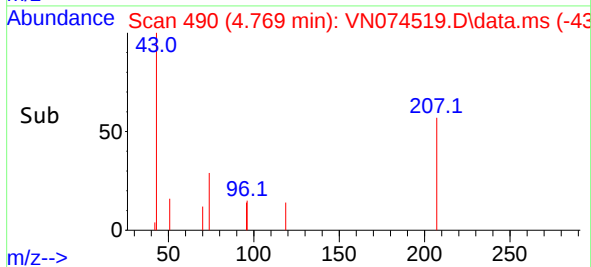
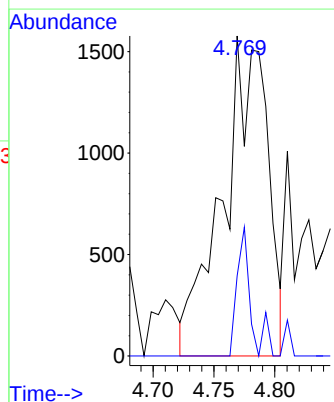
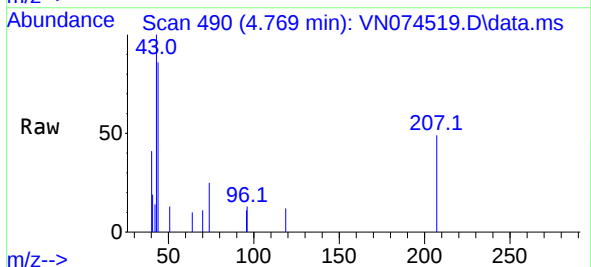
Instrument :
MSVOA_N
ClientSampleId :
MW-7

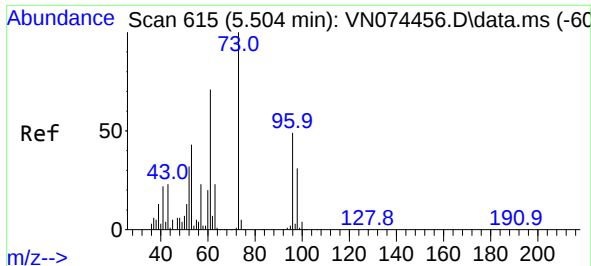
Tgt Ion: 43 Resp: 7229
Ion Ratio Lower Upper
43 100
58 28.5 26.0 39.0



#18
Methyl Acetate
Concen: 0.406 ug/l
RT: 4.769 min Scan# 490
Delta R.T. 0.000 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

Tgt Ion: 43 Resp: 4058
Ion Ratio Lower Upper
43 100
74 10.3 21.6 32.4#

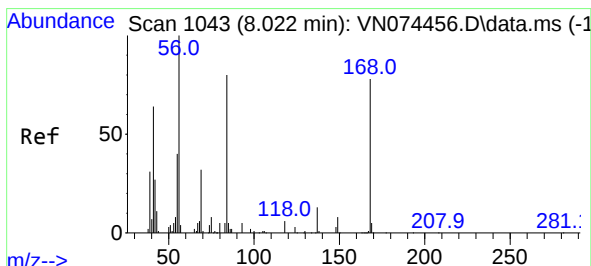
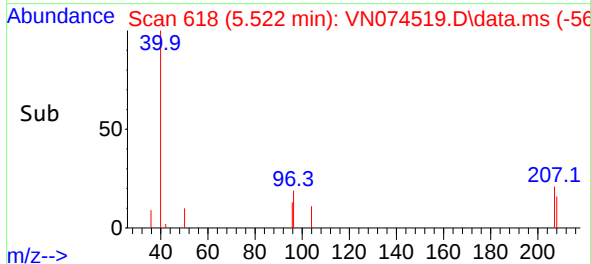
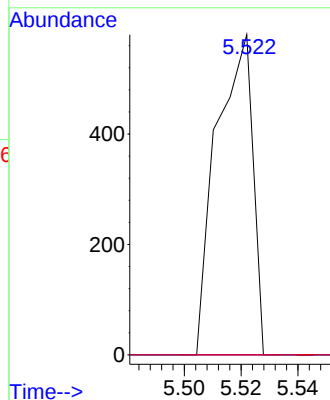
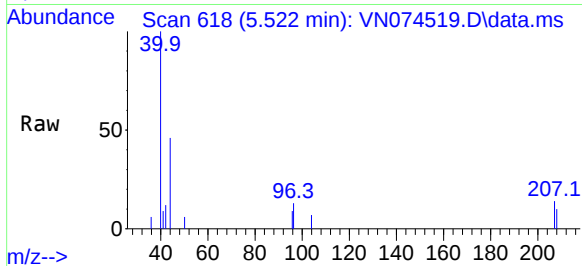




#21
trans-1,2-Dichloroethene
Concen: 0.548 ug/l
RT: 5.522 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

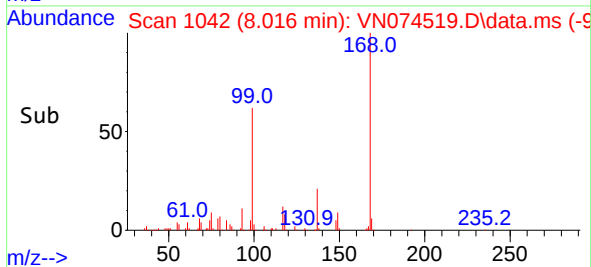
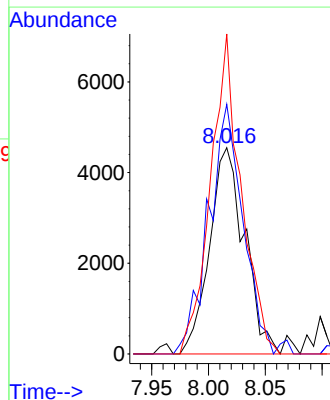
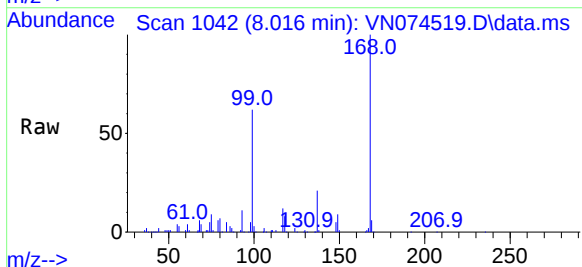
Instrument :
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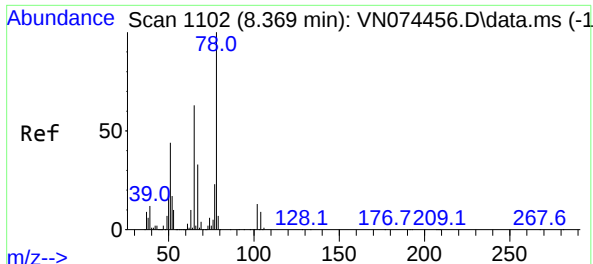
Tgt Ion: 96 Resp: 514
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#



#31
Cyclohexane
Concen: 1.091 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

Tgt Ion: 56 Resp: 9743
Ion Ratio Lower Upper
56 100
69 116.5 27.8 41.8#
84 155.1 76.9 115.3#

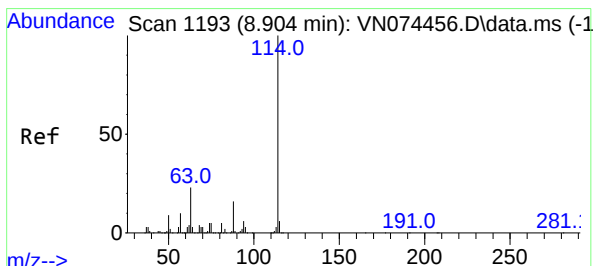
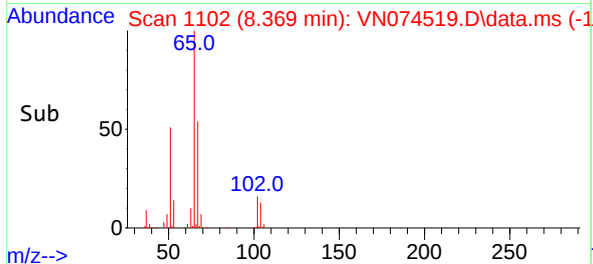
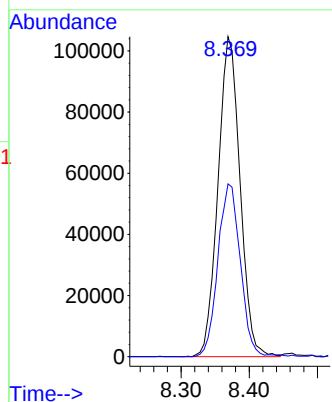
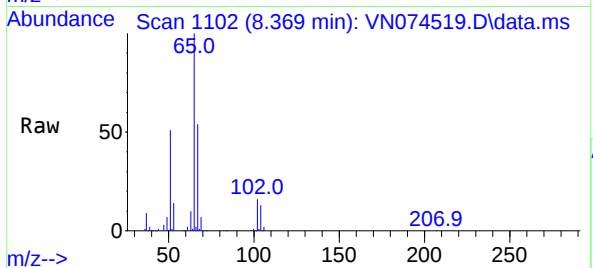




#33
1,2-Dichloroethane-d4
Concen: 46.833 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

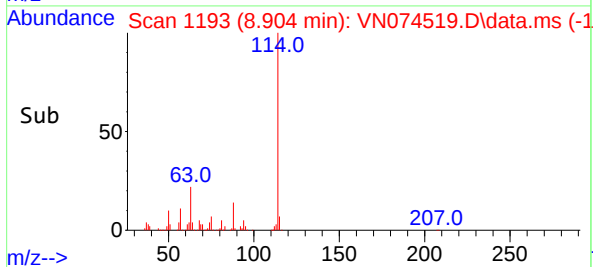
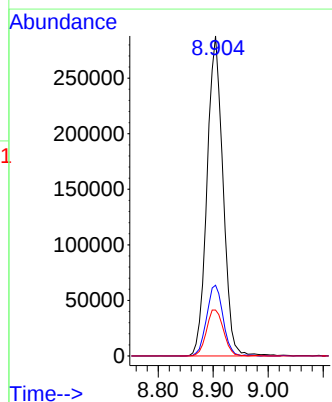
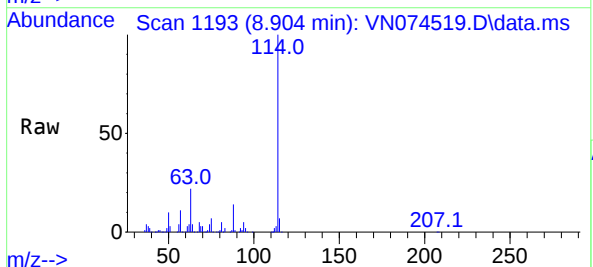
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ClientSampleId :
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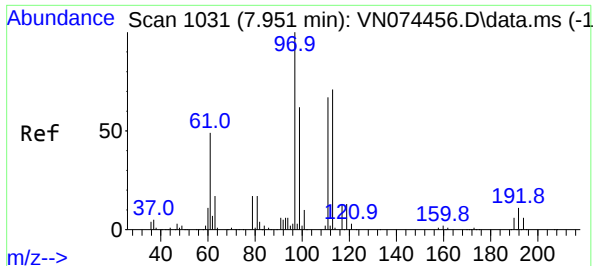
Tgt Ion: 65 Resp: 235639
Ion Ratio Lower Upper
65 100
67 55.0 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

Tgt Ion: 114 Resp: 579907
Ion Ratio Lower Upper
114 100
63 22.1 0.0 40.0
88 14.4 0.0 32.6

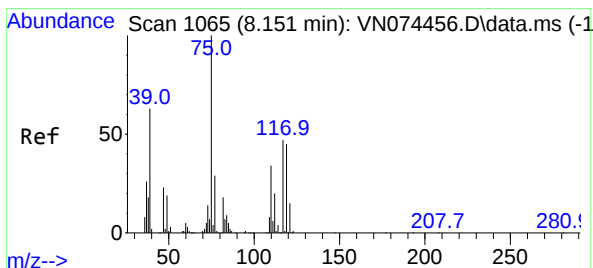
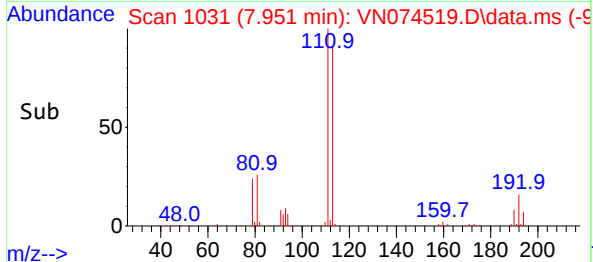
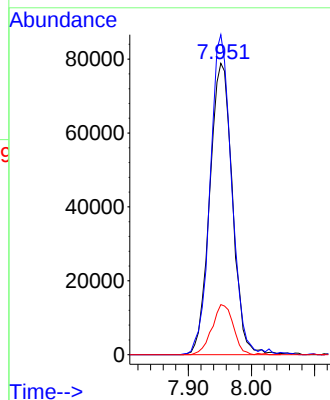
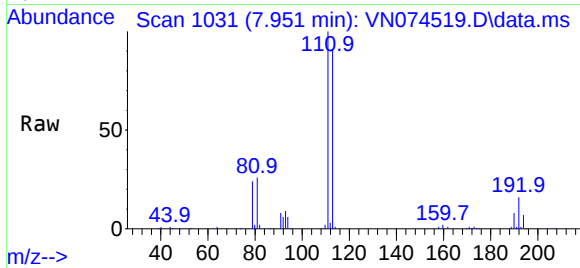




#35
Dibromofluoromethane
Concen: 51.009 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

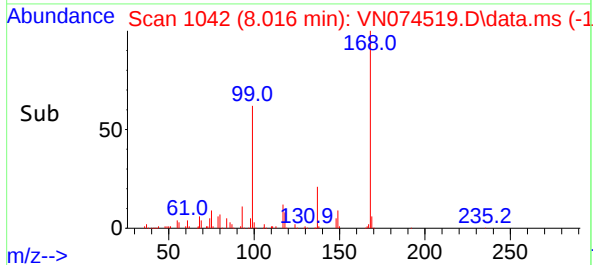
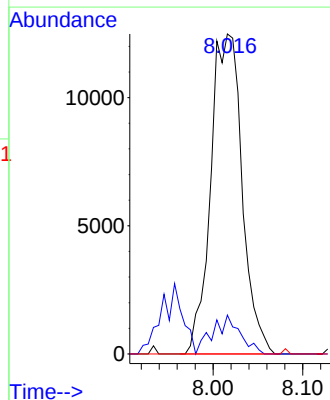
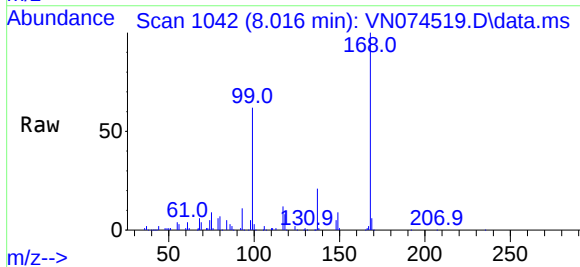
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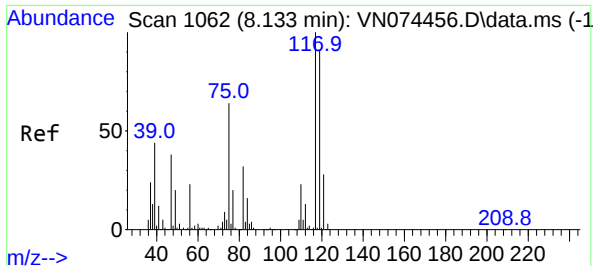
Tgt Ion:113 Resp: 196496
Ion Ratio Lower Upper
113 100
111 103.7 81.4 122.0
192 16.1 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 4.448 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

Tgt Ion: 75 Resp: 30329
Ion Ratio Lower Upper
75 100
110 10.5 18.3 54.8#
77 0.0 25.1 37.7#

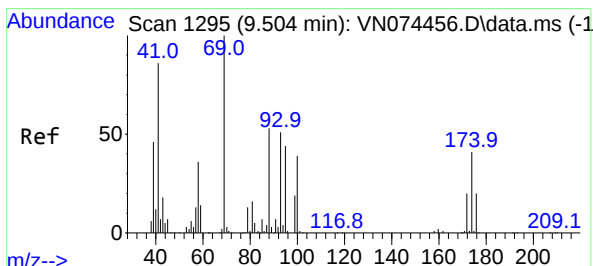
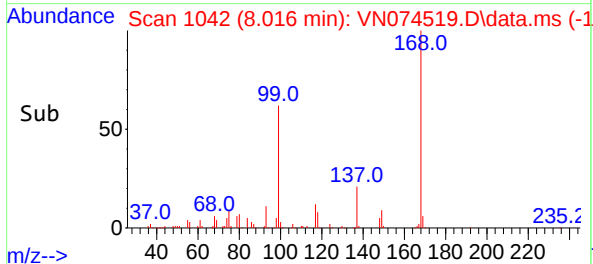
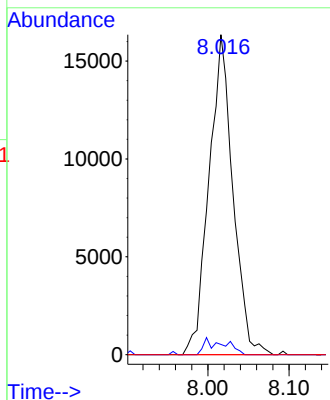
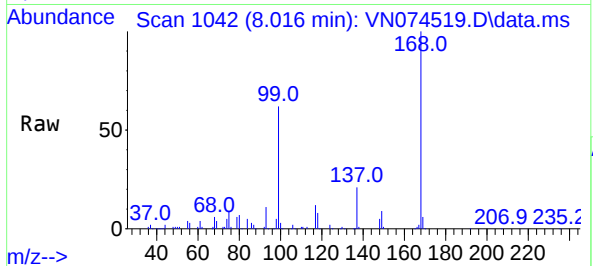




#38
Carbon Tetrachloride
Concen: 5.328 ug/l
RT: 8.016 min Scan# 117
Delta R.T. -0.117 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

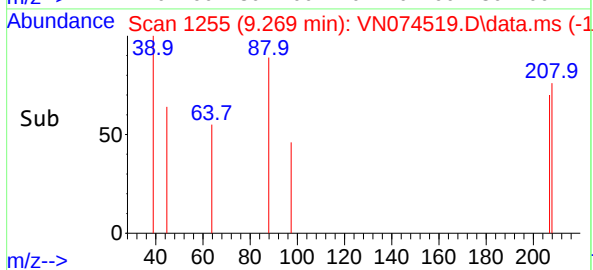
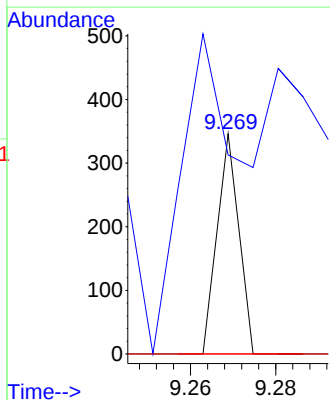
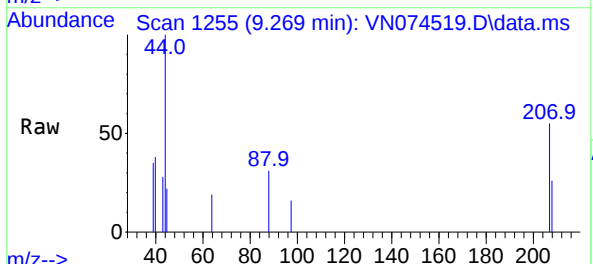
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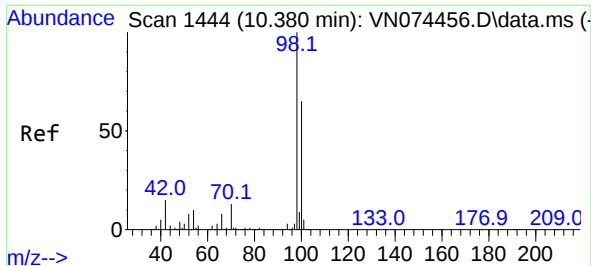
Tgt Ion: 117 Resp: 33539
Ion Ratio Lower Upper
117 100
119 3.2 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 0.868 ug/l
RT: 9.269 min Scan# 1255
Delta R.T. -0.235 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

Tgt Ion: 88 Resp: 122
Ion Ratio Lower Upper
88 100
43 395.9 20.2 30.4#
58 0.0 54.2 81.4#

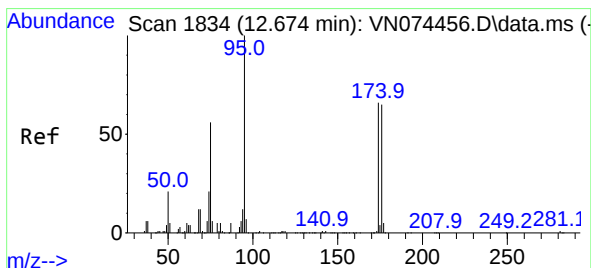
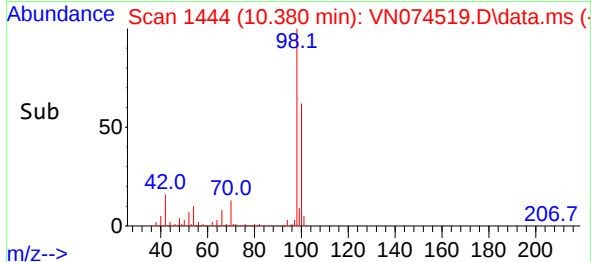
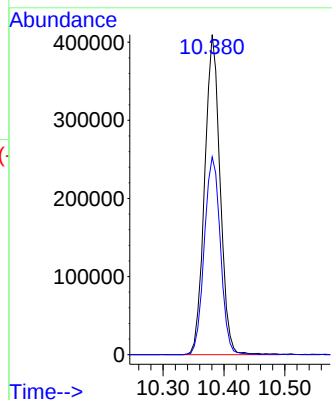
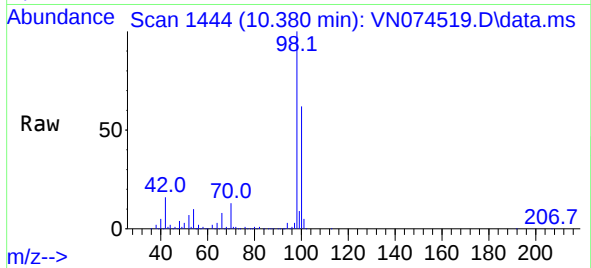




#50
Toluene-d8
Concen: 48.531 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

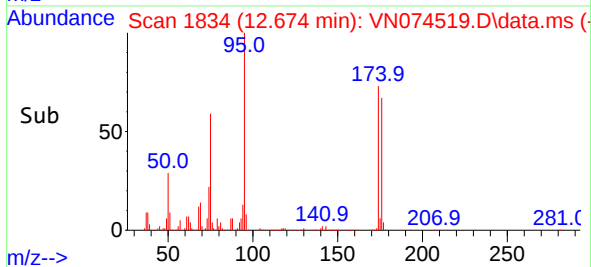
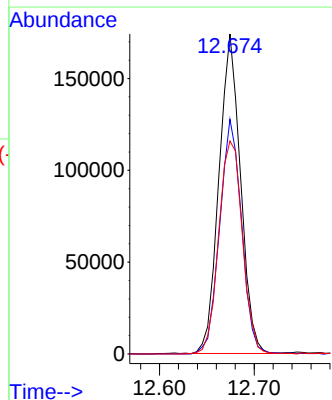
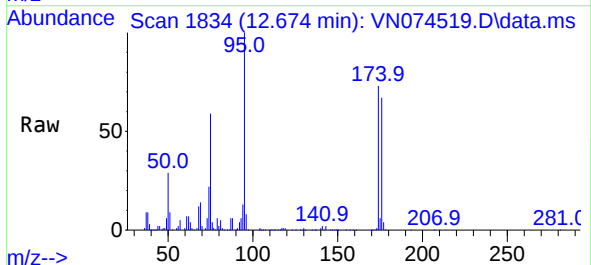
Instrument :
MSVOA_N
ClientSampleId :
MW-7

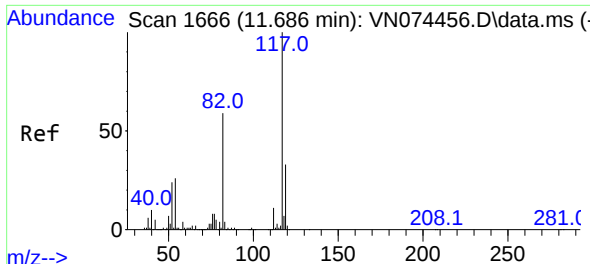
Tgt Ion: 98 Resp: 723020
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 53.936 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

Tgt Ion: 95 Resp: 275208
Ion Ratio Lower Upper
95 100
174 74.6 0.0 167.6
176 73.1 0.0 163.4

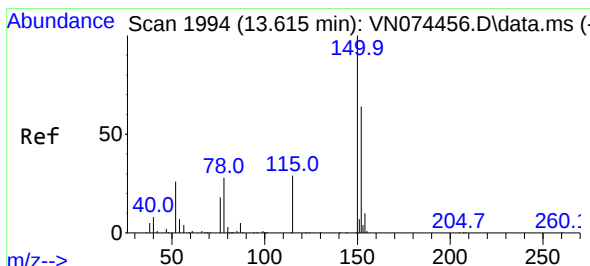
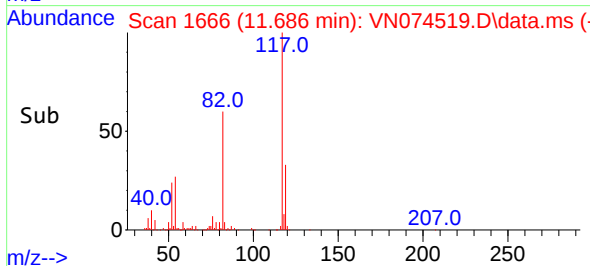
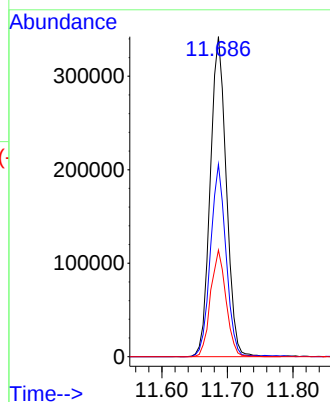
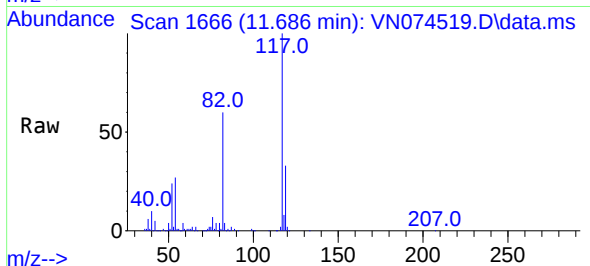




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

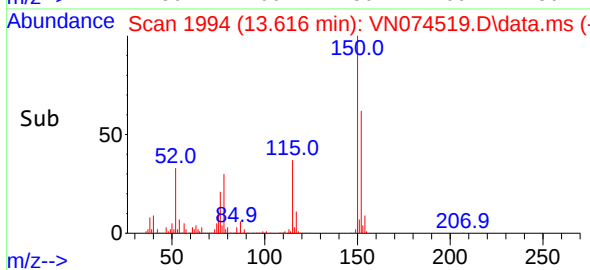
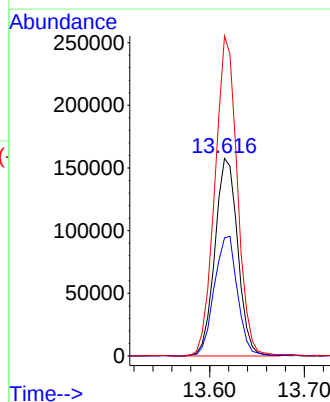
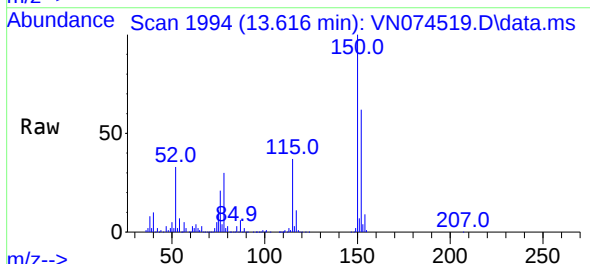
Instrument :
MSVOA_N
ClientSampleId :
MW-7

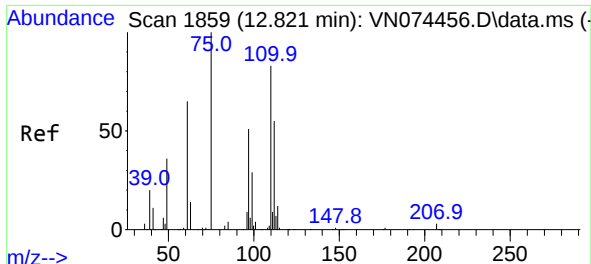
Tgt Ion:117 Resp: 582072
Ion Ratio Lower Upper
117 100
82 60.1 44.2 66.2
119 33.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

Tgt Ion:152 Resp: 264300
Ion Ratio Lower Upper
152 100
115 61.9 28.9 86.7
150 159.2 0.0 356.2

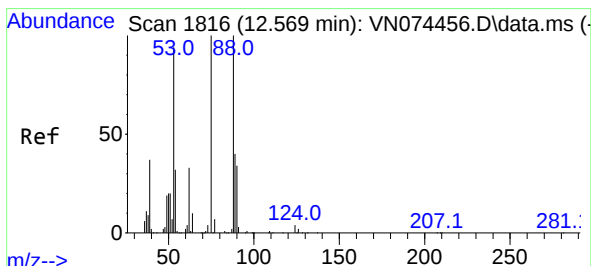
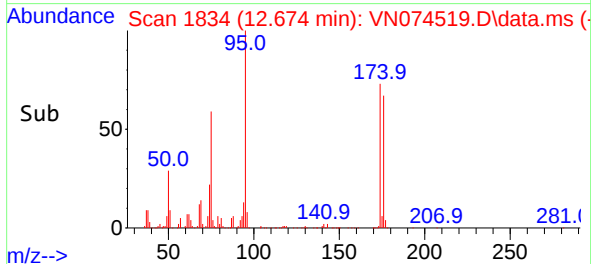
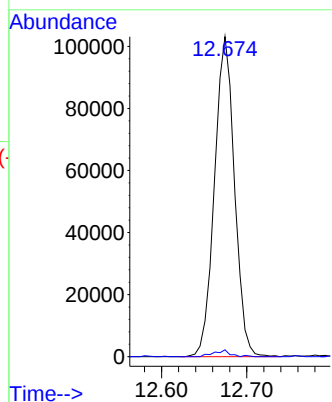
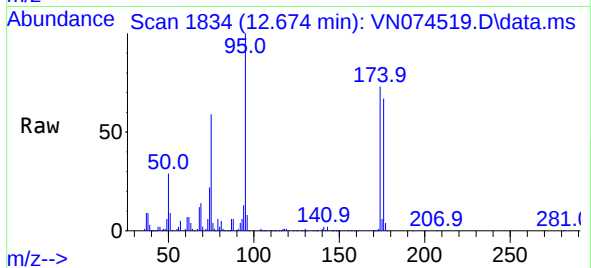




#76
1,2,3-Trichloropropane
Concen: 20.727 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

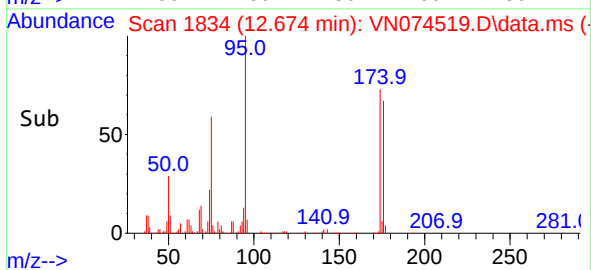
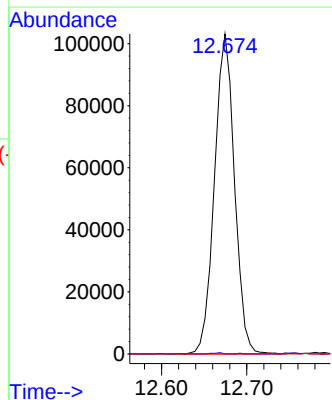
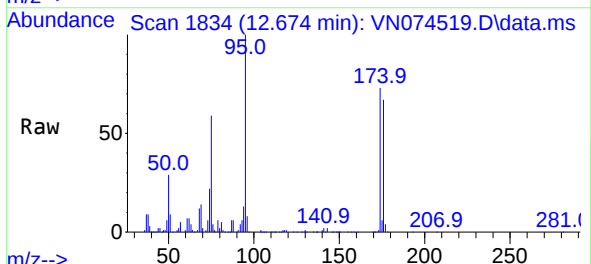
Instrument :
MSVOA_N
ClientSampleId :
MW-7

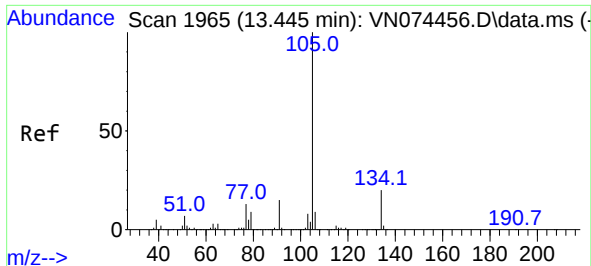
Tgt Ion: 75 Resp: 168624
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 44.736 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074519.D
Acq: 16 Sep 2022 18:51

Tgt Ion: 75 Resp: 168624
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#

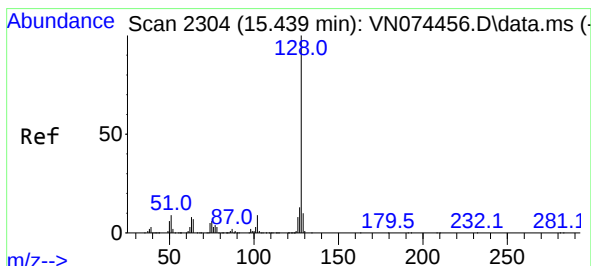
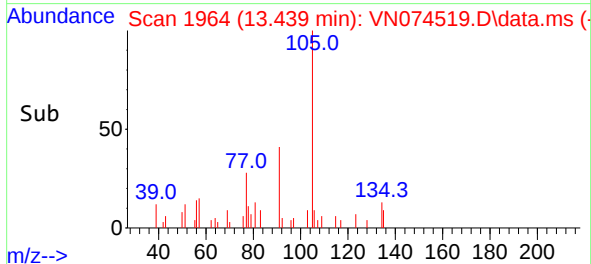
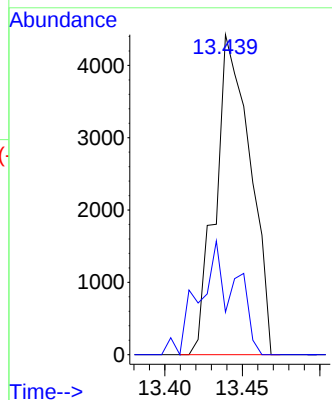
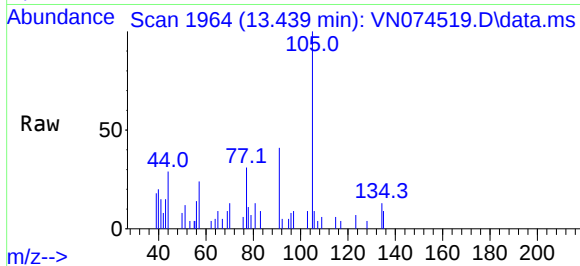




#85
 sec-Butylbenzene
 Concen: 0.251 ug/l
 RT: 13.439 min Scan# 1964
 Delta R.T. -0.006 min
 Lab File: VN074519.D
 Acq: 16 Sep 2022 18:51

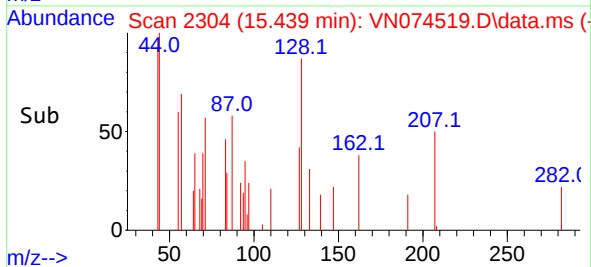
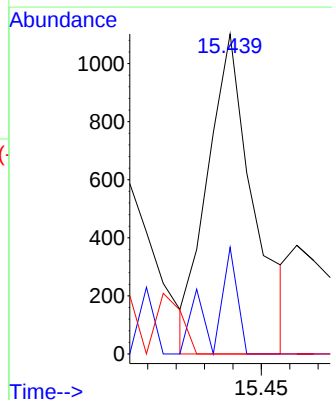
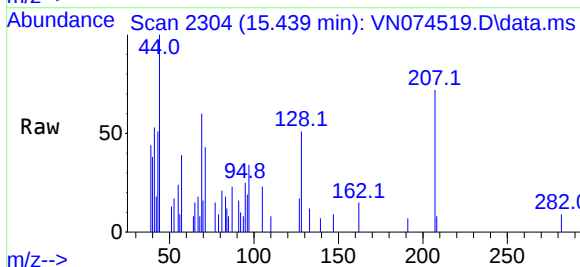
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

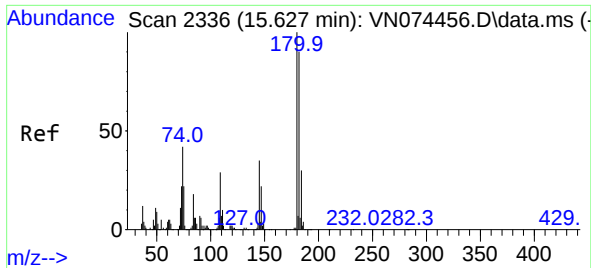
Tgt Ion:105 Resp: 6909
 Ion Ratio Lower Upper
 105 100
 134 36.9 10.4 31.1#



#95
 Naphthalene
 Concen: 1.642 ug/l
 RT: 15.439 min Scan# 2304
 Delta R.T. -0.000 min
 Lab File: VN074519.D
 Acq: 16 Sep 2022 18:51

Tgt Ion:128 Resp: 1233
 Ion Ratio Lower Upper
 128 100
 127 16.9 10.3 15.5#
 129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.367 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN074519.D
 Acq: 16 Sep 2022 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

Tgt Ion:	180	Resp:	169
Ion	Ratio	Lower	Upper
180	100		
182	34.3	47.8	143.3#
145	0.0	15.5	46.5#

