

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074515.D
 Acq On : 16 Sep 2022 17:11
 Operator : JC\MD
 Sample : N4508-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-090222

Quant Time: Sep 16 22:34:23 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)

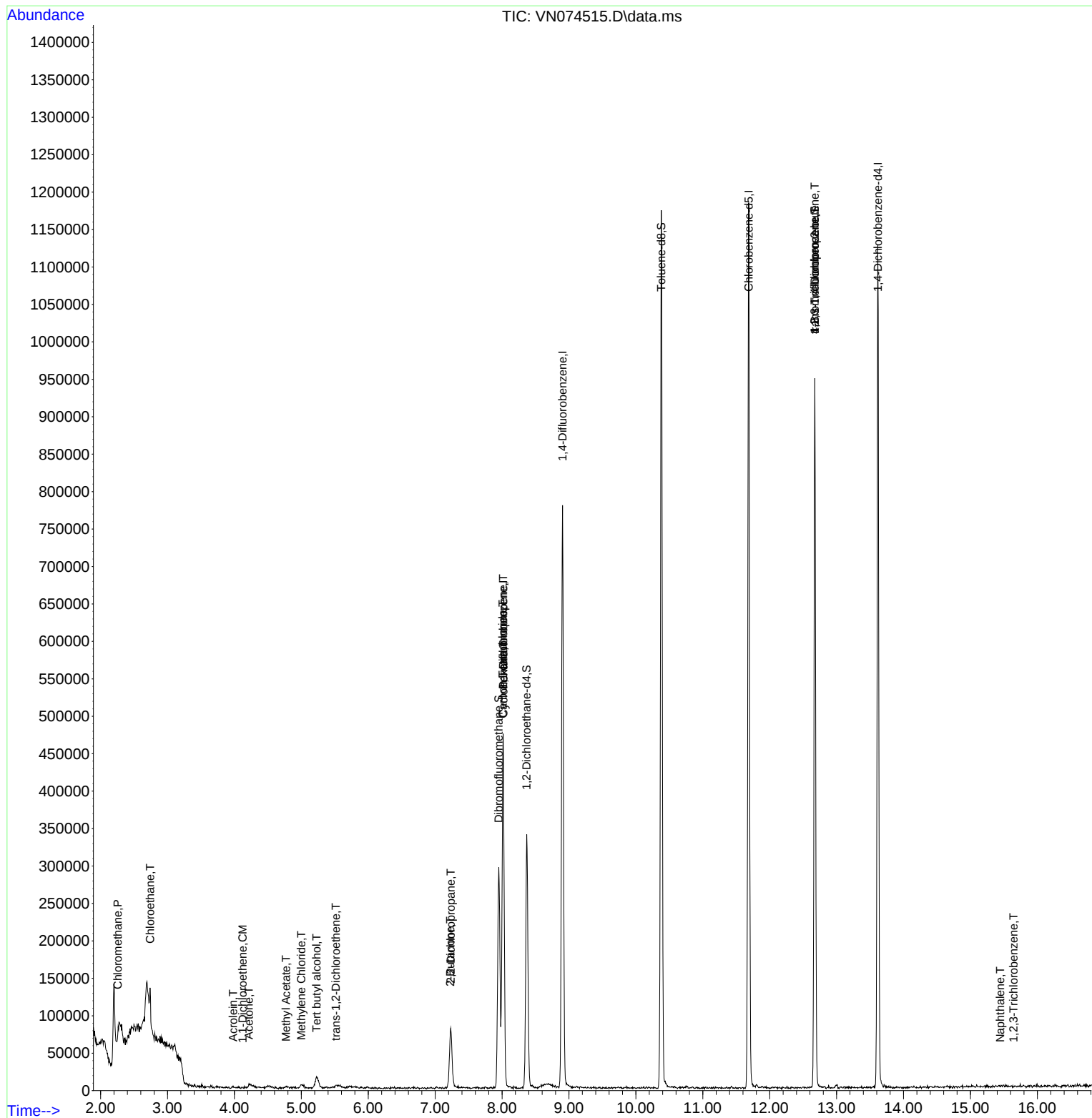
Internal Standards						
1) Pentafluorobenzene	8.016	168	321033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	630459	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	616819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	262480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	252592	46.372	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.740%
35) Dibromofluoromethane	7.951	113	207537	49.555	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.100%
50) Toluene-d8	10.380	98	772615	47.702	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.400%
62) 4-Bromofluorobenzene	12.674	95	296563	53.461	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.920%
Target Compounds						
					Qvalue	
3) Chloromethane	2.257	50	2276	0.644	ug/l #	69
6) Chloroethane	2.740	64	24579	5.722	ug/l #	44
11) Tert butyl alcohol	5.228	59	14700	8.284	ug/l #	75
12) 1,1-Dichloroethene	4.122	96	61	0.699	ug/l #	1
13) Acrolein	3.981	56	303	0.468	ug/l #	41
16) Acetone	4.216	43	3486	1.000	ug/l #	81
18) Methyl Acetate	4.769	43	3637	0.336	ug/l #	85
20) Methylene Chloride	4.998	84	1841	0.377	ug/l #	78
21) trans-1,2-Dichloroethene	5.516	96	57	0.441	ug/l #	1
25) 2-Butanone	7.228	43	4939	0.853	ug/l #	84
26) 2,2-Dichloropropane	7.234	77	5446	0.623	ug/l #	53
28) Bromochloromethane	7.839	49	68	Below Cal	#	8
31) Cyclohexane	8.022	56	11437	1.183	ug/l #	58
36) 1,1-Dichloropropene	8.016	75	30212	4.076	ug/l #	48
38) Carbon Tetrachloride	8.010	117	33936	4.958	ug/l #	19
76) 1,2,3-Trichloropropane	12.674	75	172315	21.328	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	172315	46.032	ug/l #	10
95) Naphthalene	15.445	128	336	1.603	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.645	180	113	1.357	ug/l #	12

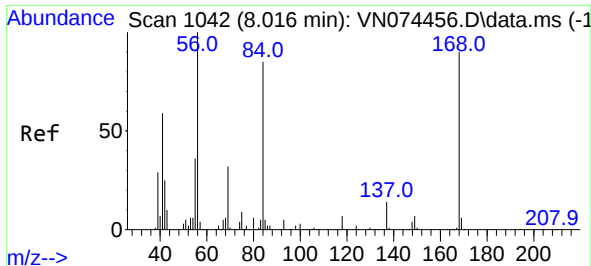
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

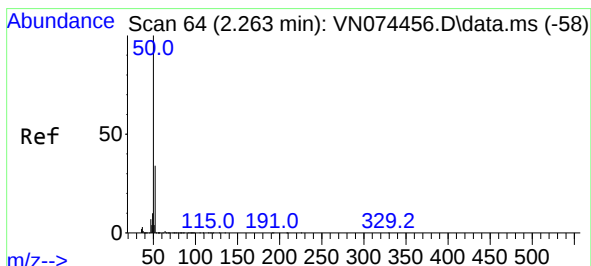
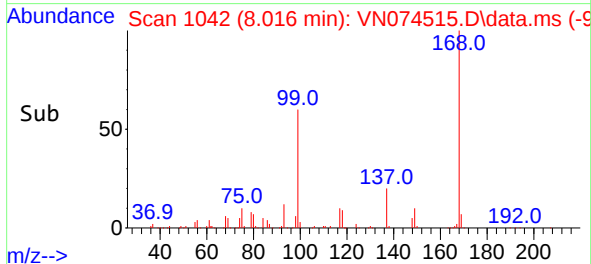
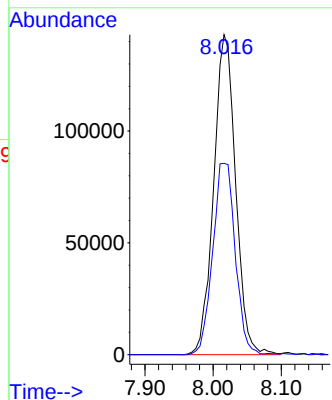
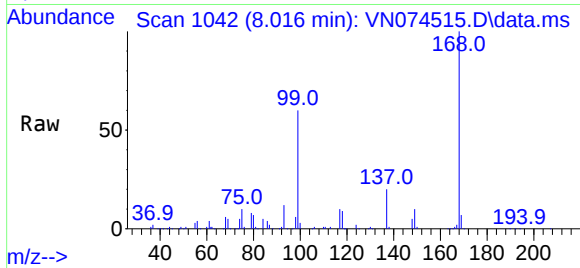




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

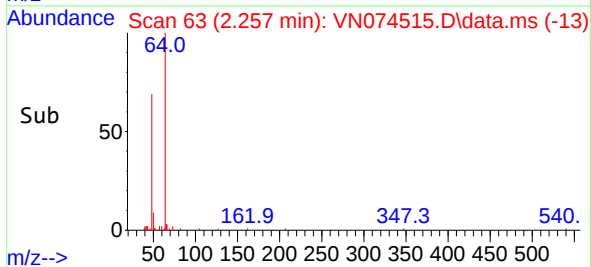
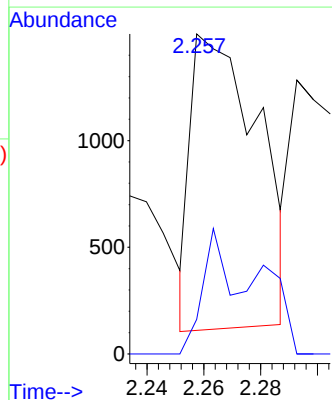
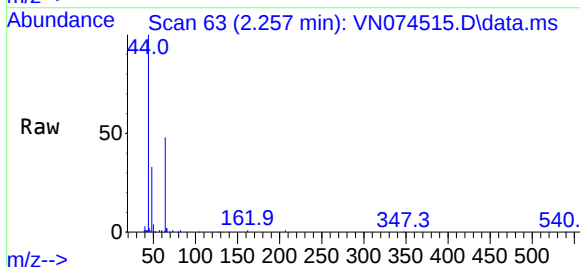
Instrument :
MSVOA_N
ClientSampleId :
FB-090222

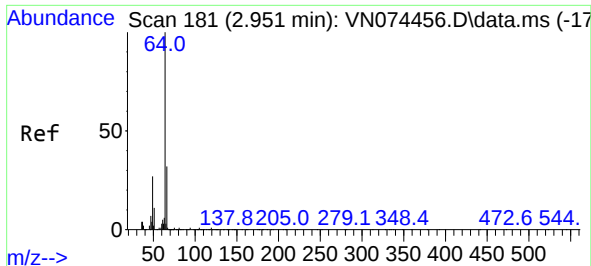
Tgt Ion:168 Resp: 321033
Ion Ratio Lower Upper
168 100
99 59.8 42.3 63.5



#3
Chloromethane
Concen: 0.644 ug/l
RT: 2.257 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

Tgt Ion: 50 Resp: 2276
Ion Ratio Lower Upper
50 100
52 14.6 25.7 38.5#

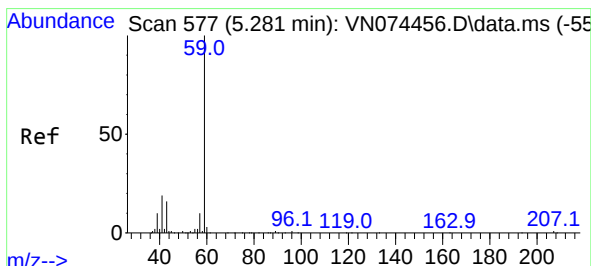
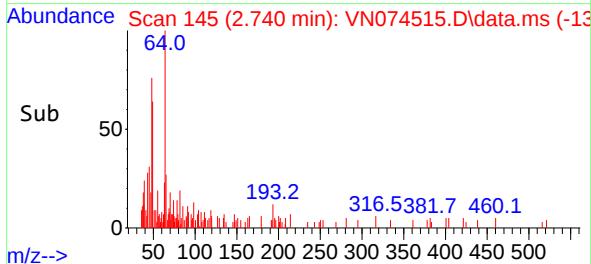
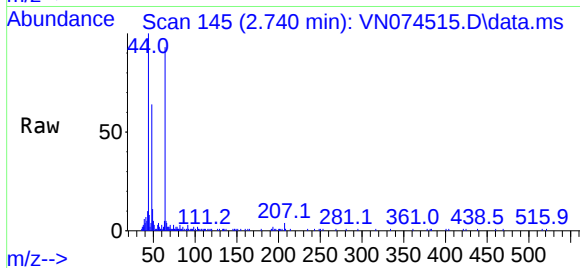




#6
Chloroethane
Concen: 5.722 ug/l
RT: 2.740 min Scan# 14
Delta R.T. -0.211 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

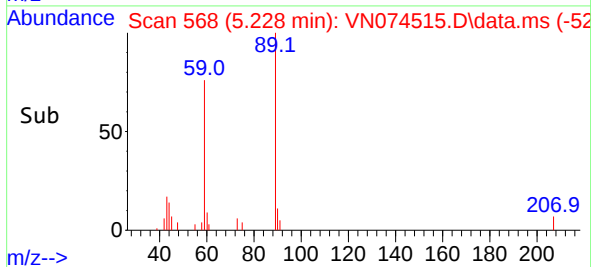
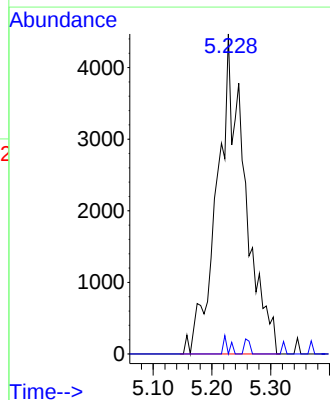
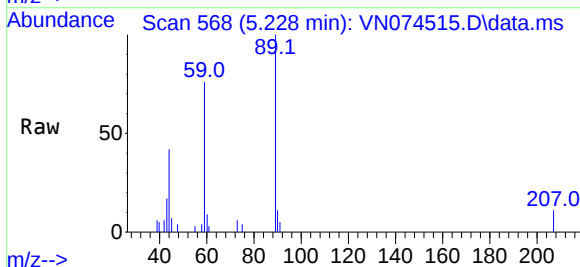
Instrument :
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ClientSampleId :
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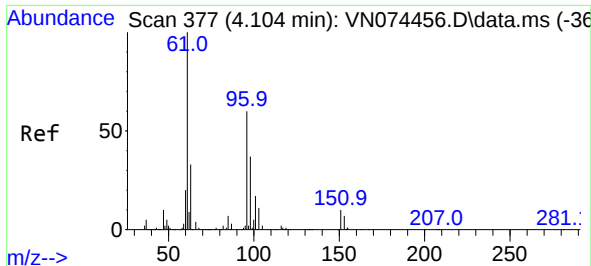
Tgt Ion: 64 Resp: 24579
Ion Ratio Lower Upper
64 100
66 1.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 8.284 ug/l
RT: 5.228 min Scan# 568
Delta R.T. -0.053 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

Tgt Ion: 59 Resp: 14700
Ion Ratio Lower Upper
59 100
57 1.0 8.3 12.5#

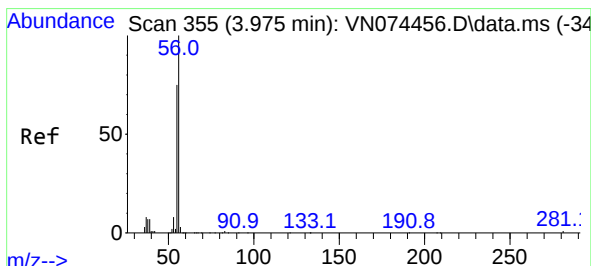
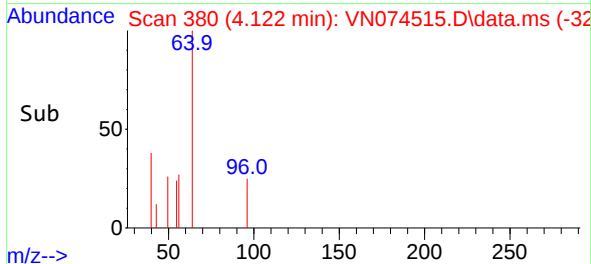
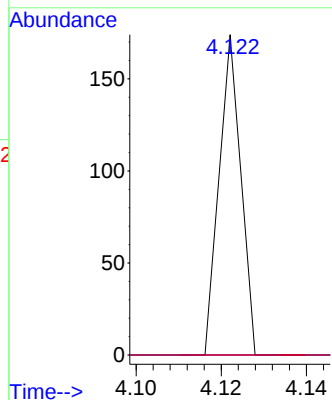
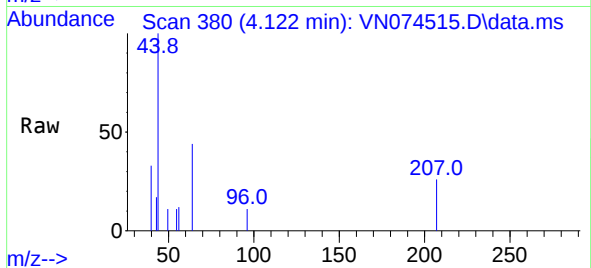




#12
1,1-Dichloroethene
Concen: 0.699 ug/l
RT: 4.122 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

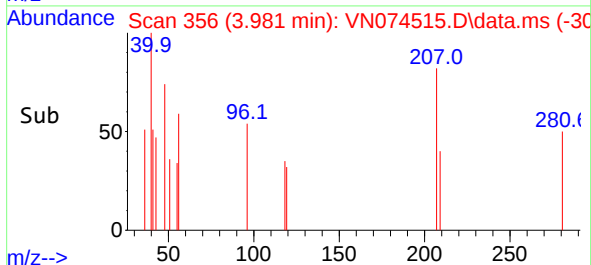
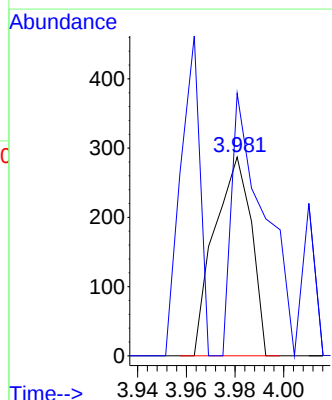
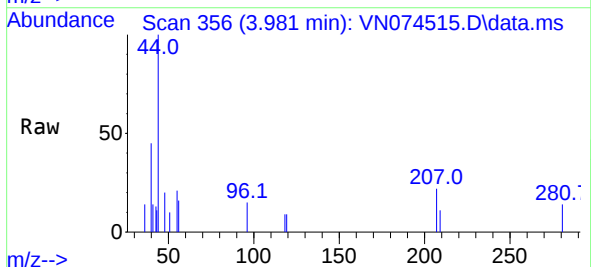
Instrument :
MSVOA_N
ClientSampleId :
FB-090222

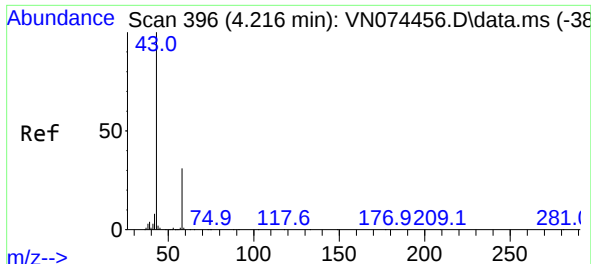
Tgt Ion: 96 Resp: 61
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#13
Acrolein
Concen: 0.468 ug/l
RT: 3.981 min Scan# 356
Delta R.T. 0.006 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

Tgt Ion: 56 Resp: 303
Ion Ratio Lower Upper
56 100
55 116.5 54.8 82.2#

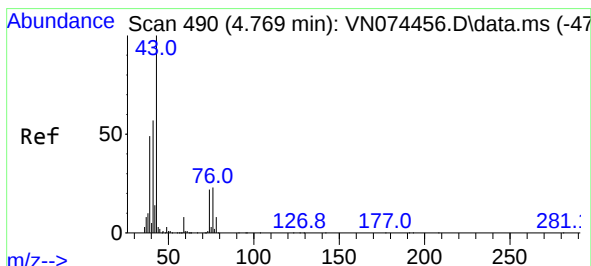
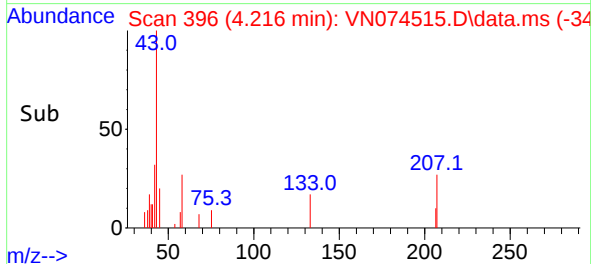
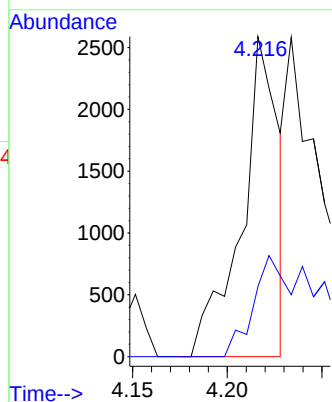
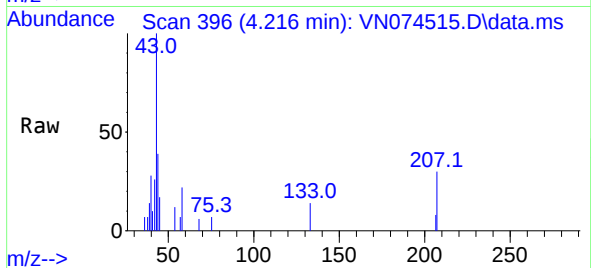




#16
Acetone
Concen: 1.000 ug/l
RT: 4.216 min Scan# 396
Delta R.T. 0.000 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

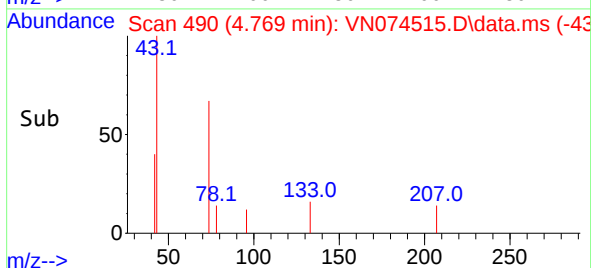
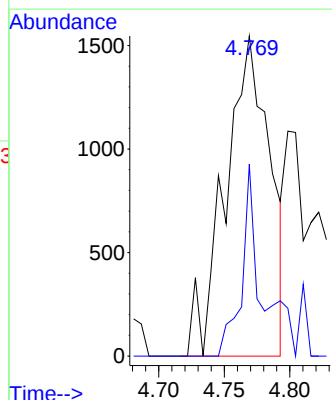
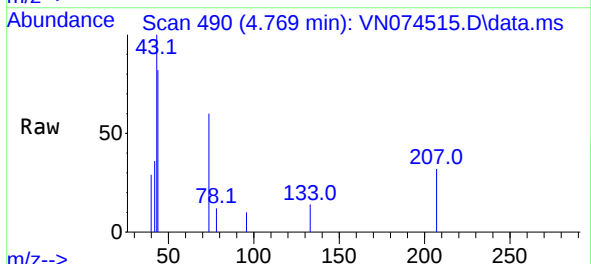
Instrument :
MSVOA_N
ClientSampleId :
FB-090222

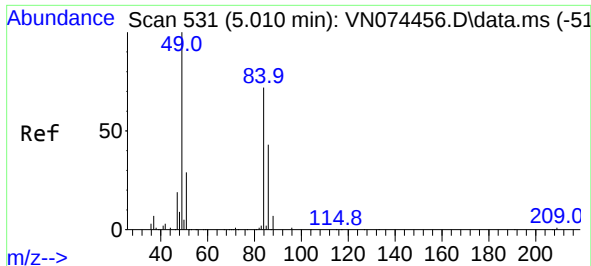
Tgt Ion: 43 Resp: 3486
Ion Ratio Lower Upper
43 100
58 21.9 26.0 39.0#



#18
Methyl Acetate
Concen: 0.336 ug/l
RT: 4.769 min Scan# 490
Delta R.T. 0.000 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

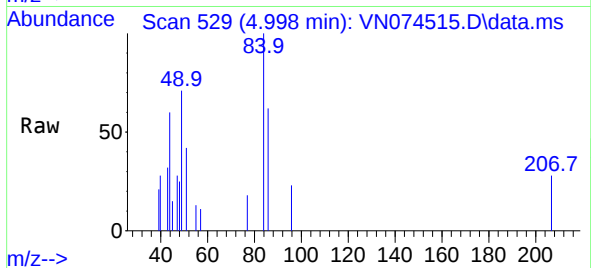
Tgt Ion: 43 Resp: 3637
Ion Ratio Lower Upper
43 100
74 19.4 21.6 32.4#



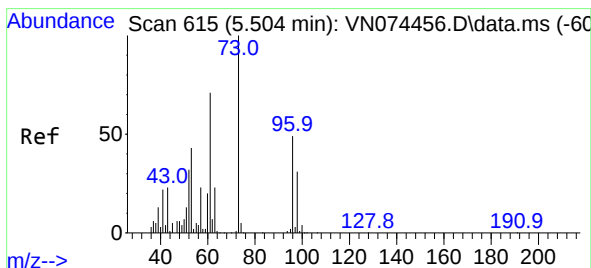
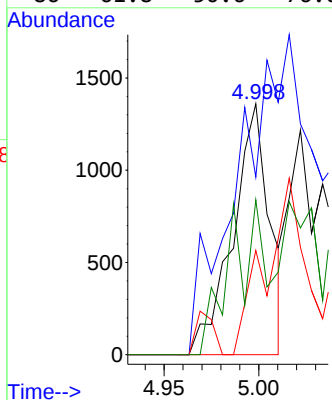
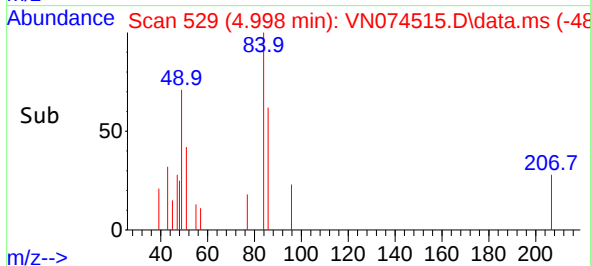


#20
Methylene Chloride
Concen: 0.377 ug/l
RT: 4.998 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

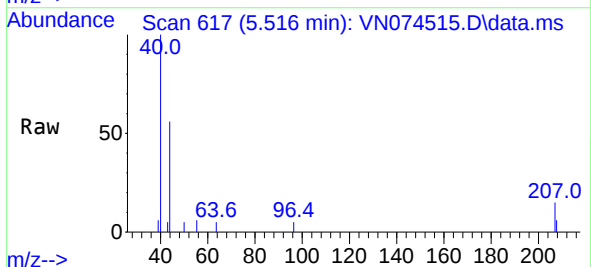
Instrument :
MSVOA_N
ClientSampleId :
FB-090222



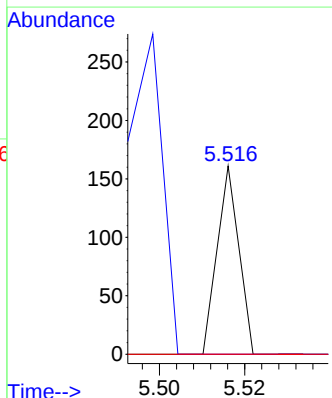
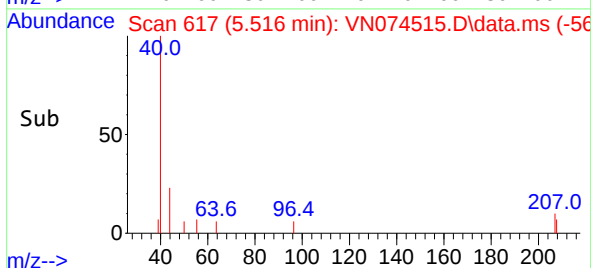
Tgt Ion: 84 Resp: 1841
Ion Ratio Lower Upper
84 100
49 70.8 88.3 132.5#
51 41.5 28.2 42.2
86 61.8 50.6 76.0

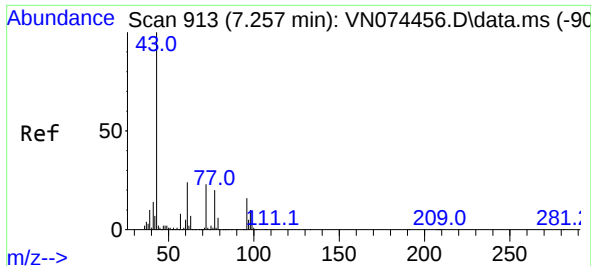


#21
trans-1,2-Dichloroethene
Concen: 0.441 ug/l
RT: 5.516 min Scan# 617
Delta R.T. 0.012 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11



Tgt Ion: 96 Resp: 57
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#

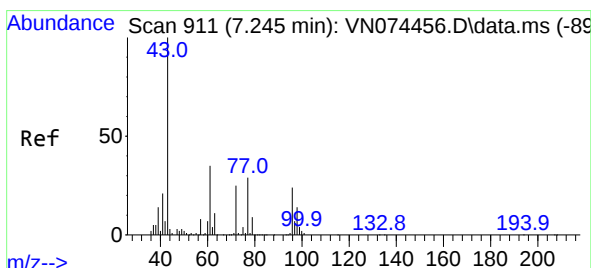
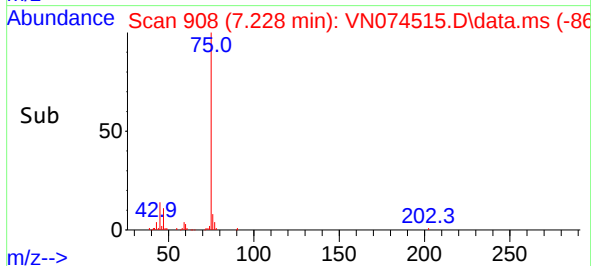
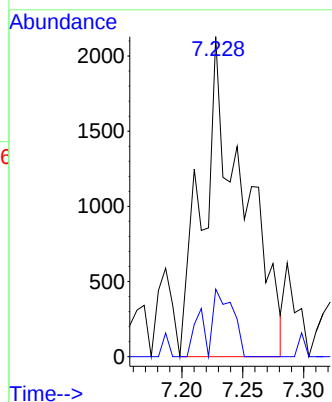
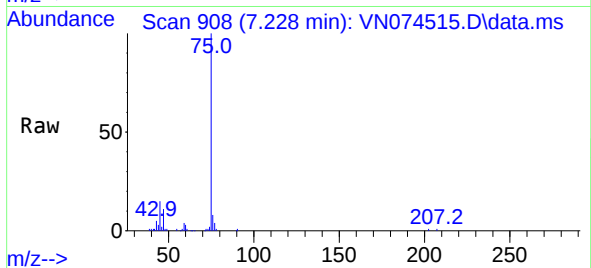




#25
2-Butanone
Concen: 0.853 ug/l
RT: 7.228 min Scan# 908
Delta R.T. -0.029 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

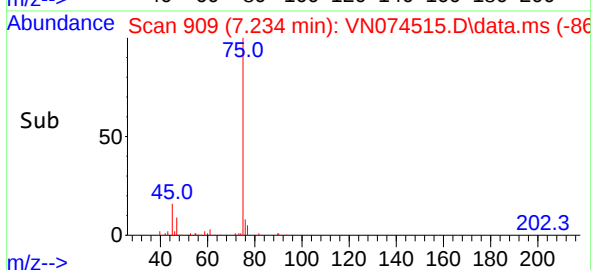
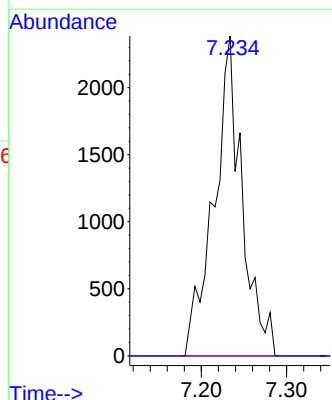
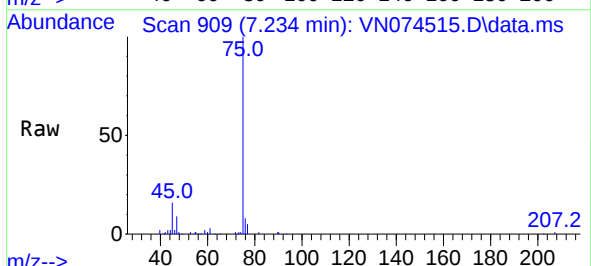
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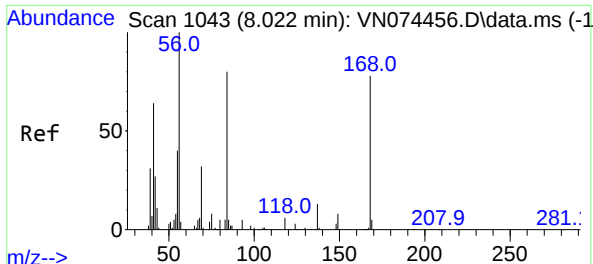
Tgt Ion: 43 Resp: 4939
Ion Ratio Lower Upper
43 100
72 21.1 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.623 ug/l
RT: 7.234 min Scan# 909
Delta R.T. -0.011 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

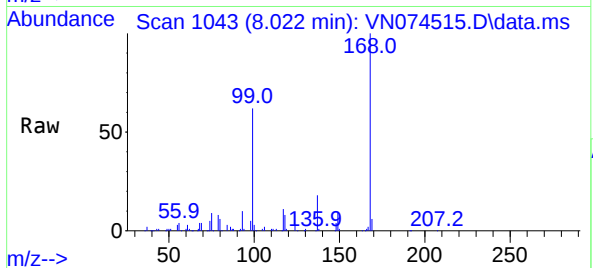
Tgt Ion: 77 Resp: 5446
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



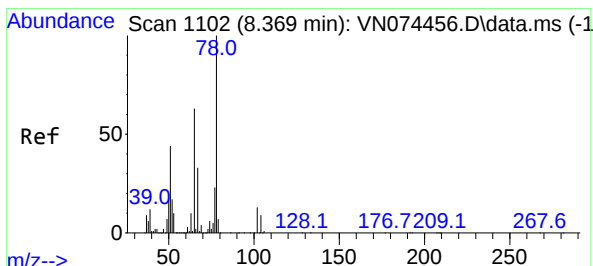
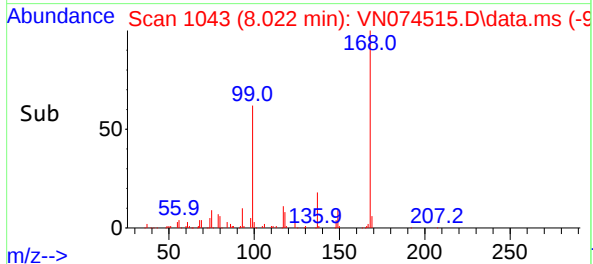
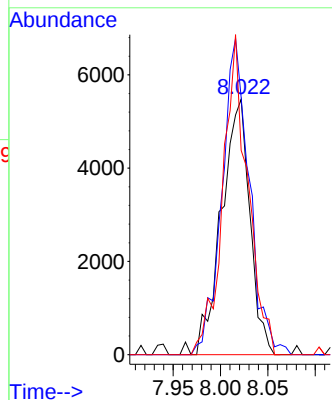


#31
Cyclohexane
Concen: 1.183 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

Instrument :
MSVOA_N
ClientSampleId :
FB-090222

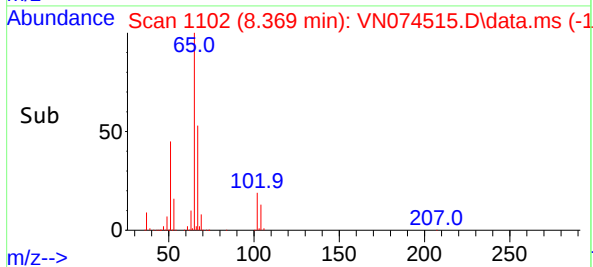
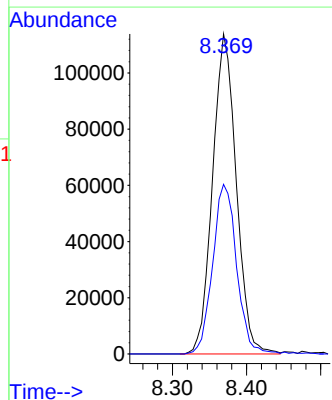
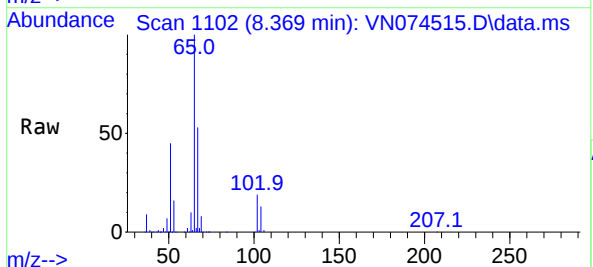


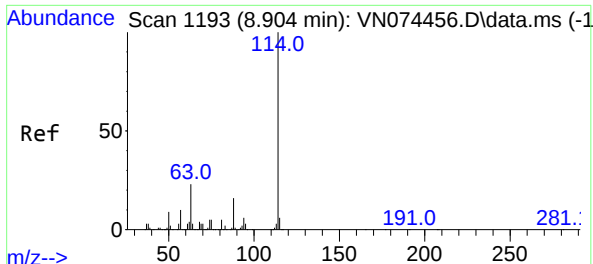
Tgt Ion: 56 Resp: 11437
Ion Ratio Lower Upper
56 100
69 100.7 27.8 41.8#
84 80.0 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 46.372 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

Tgt Ion: 65 Resp: 252592
Ion Ratio Lower Upper
65 100
67 53.6 0.0 104.8



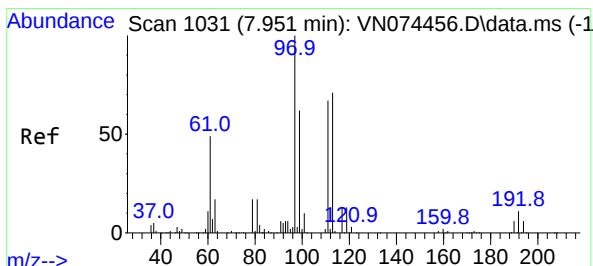
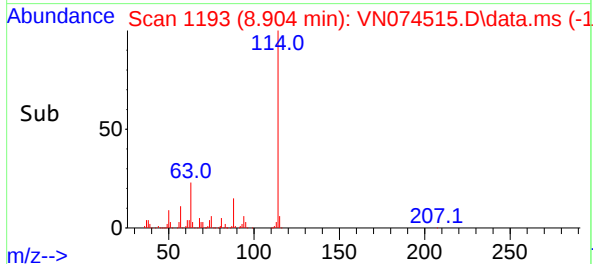
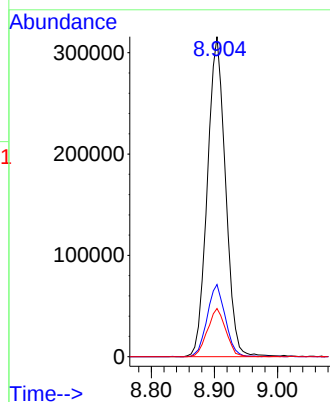
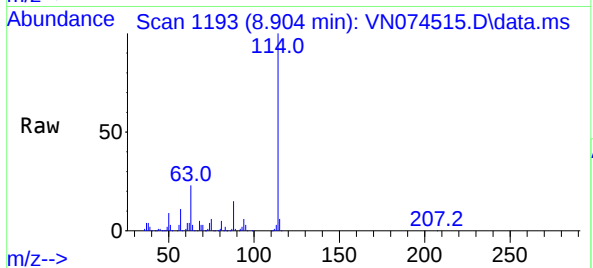


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

Instrument :
MSVOA_N
ClientSampleId :
FB-090222

Tgt Ion:114 Resp: 630459

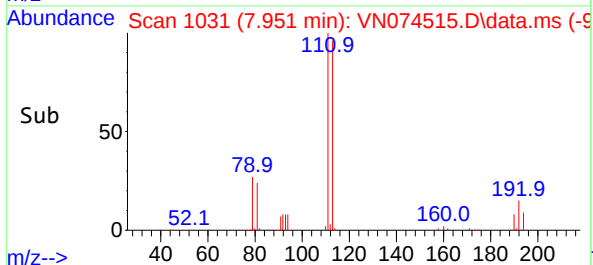
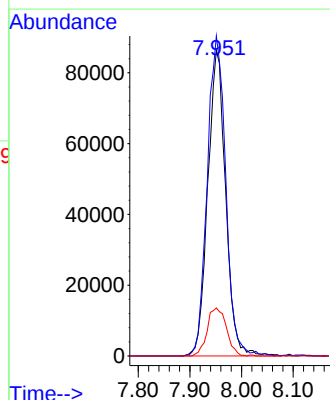
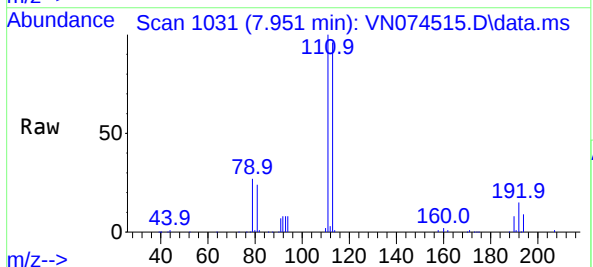
Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	40.0
88	15.1	0.0	32.6

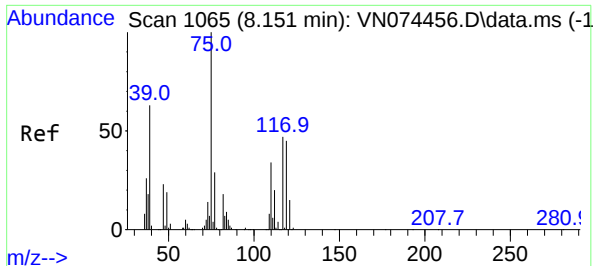


#35
Dibromofluoromethane
Concen: 49.555 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

Tgt Ion:113 Resp: 207537

Ion	Ratio	Lower	Upper
113	100		
111	108.4	81.4	122.0
192	16.9	17.0	25.6#

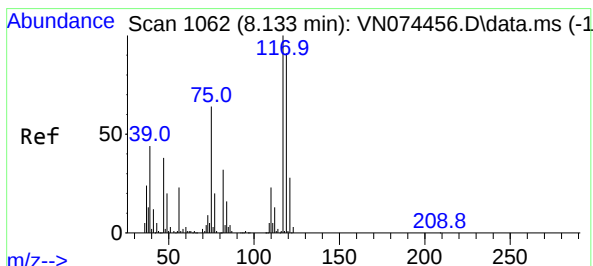
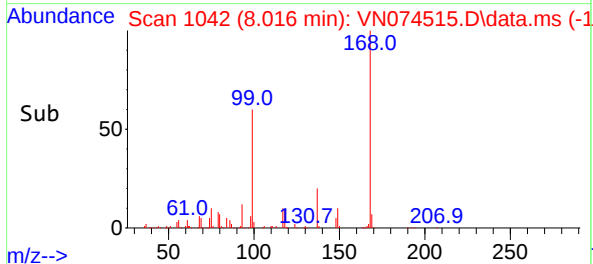
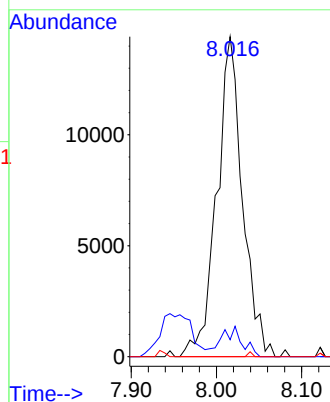
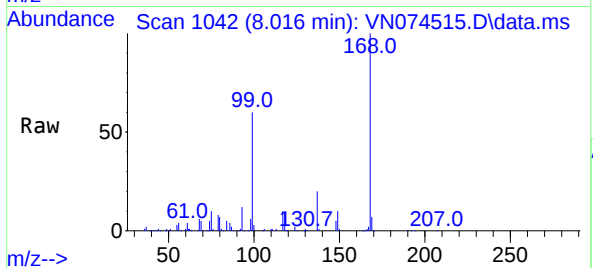




#36
1,1-Dichloropropene
Concen: 4.076 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

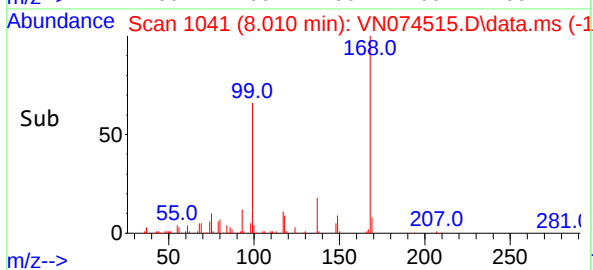
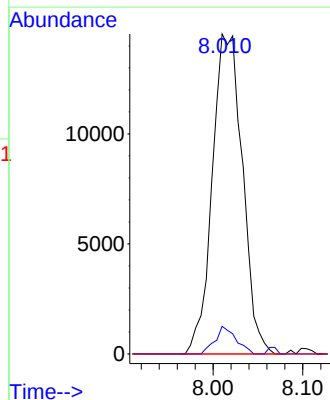
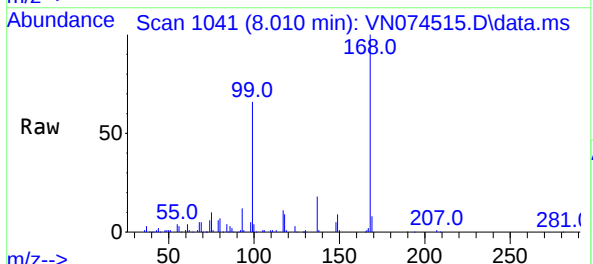
Instrument :
MSVOA_N
ClientSampleId :
FB-090222

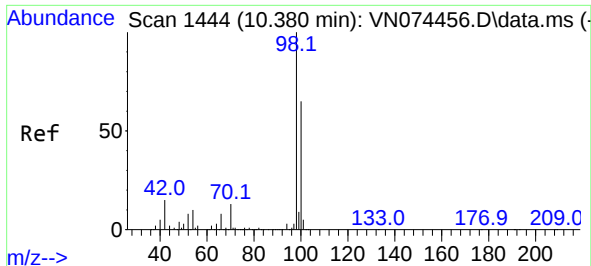
Tgt Ion: 75 Resp: 30212
Ion Ratio Lower Upper
75 100
110 7.9 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 4.958 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.123 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

Tgt Ion: 117 Resp: 33936
Ion Ratio Lower Upper
117 100
119 8.6 75.8 113.8#
121 0.0 24.6 37.0#

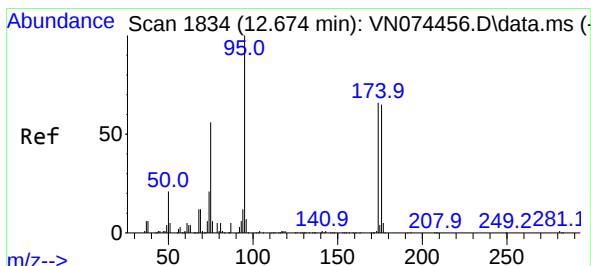
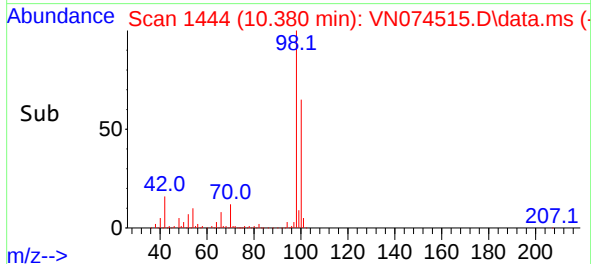
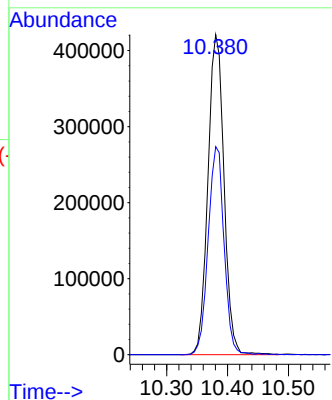
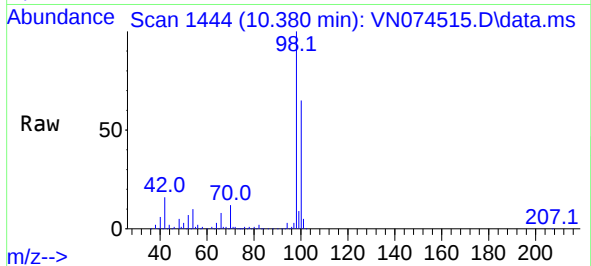




#50
Toluene-d8
Concen: 47.702 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

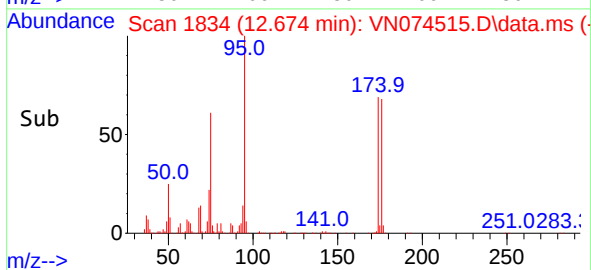
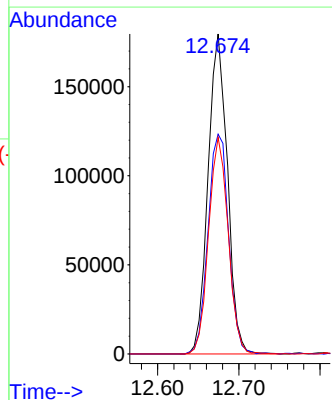
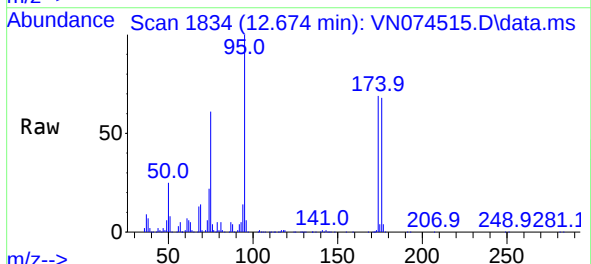
Instrument :
MSVOA_N
ClientSampleId :
FB-090222

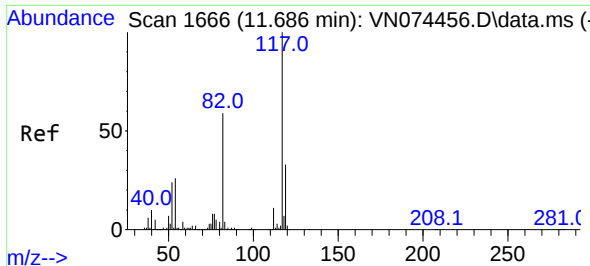
Tgt Ion: 98 Resp: 772615
Ion Ratio Lower Upper
98 100
100 64.1 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 53.461 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

Tgt Ion: 95 Resp: 296563
Ion Ratio Lower Upper
95 100
174 73.2 0.0 167.6
176 68.6 0.0 163.4

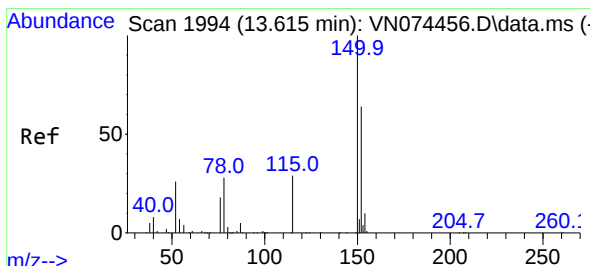
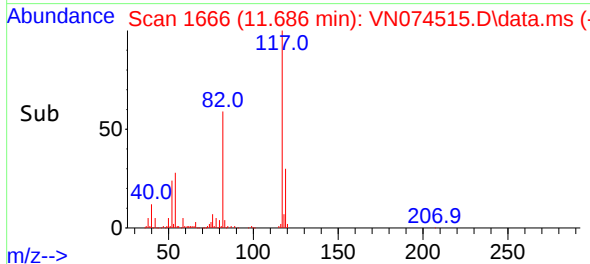
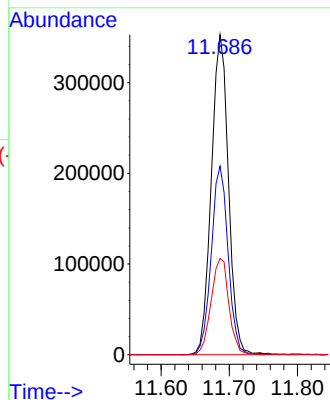
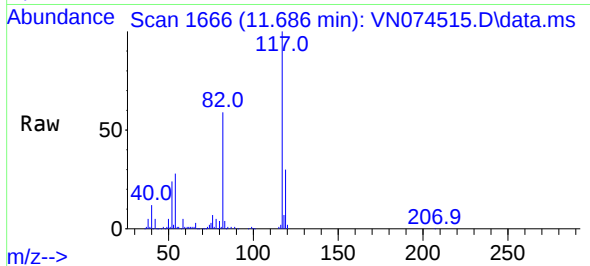




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

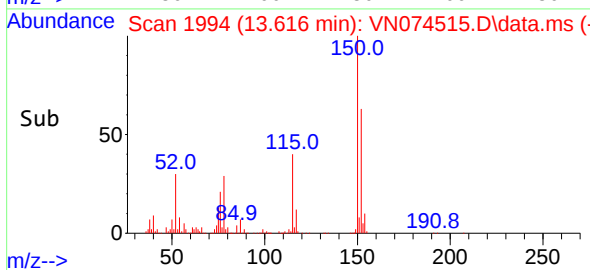
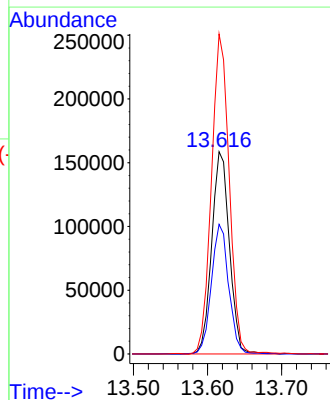
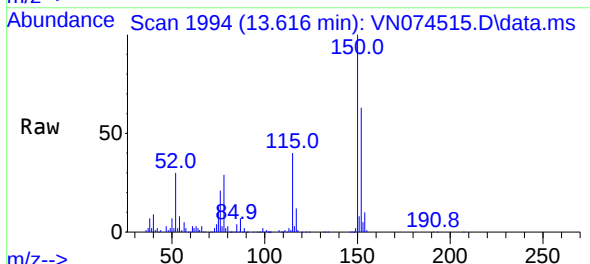
Instrument :
MSVOA_N
ClientSampleId :
FB-090222

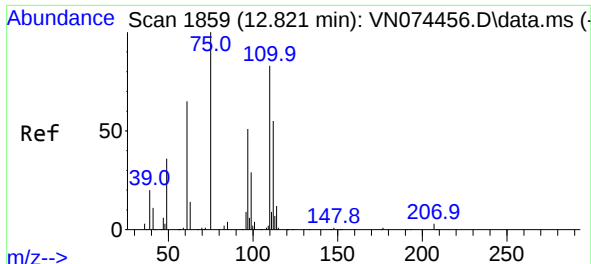
Tgt Ion:117 Resp: 616819
Ion Ratio Lower Upper
117 100
82 58.9 44.2 66.2
119 30.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

Tgt Ion:152 Resp: 262480
Ion Ratio Lower Upper
152 100
115 62.9 28.9 86.7
150 159.1 0.0 356.2

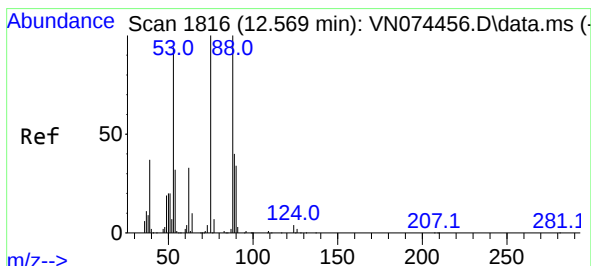
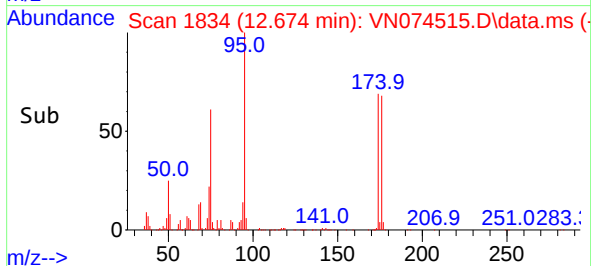
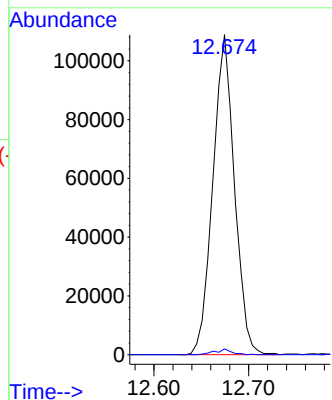
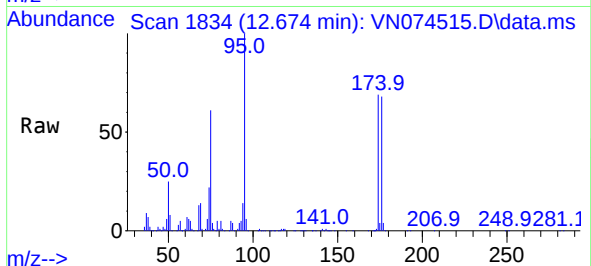




#76
1,2,3-Trichloropropane
Concen: 21.328 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

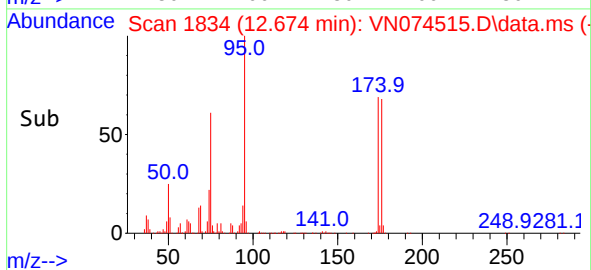
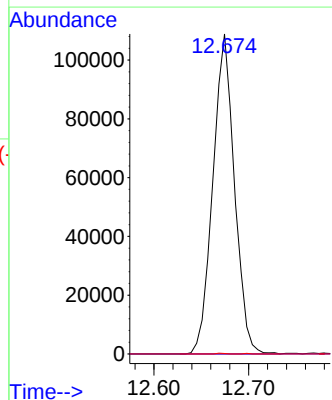
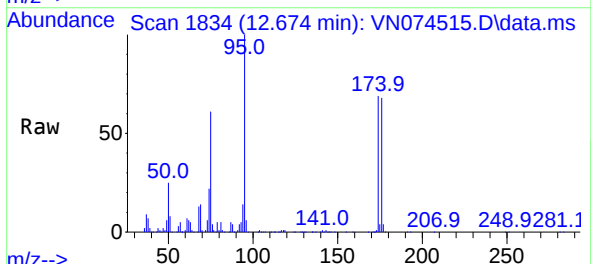
Instrument :
MSVOA_N
ClientSampleId :
FB-090222

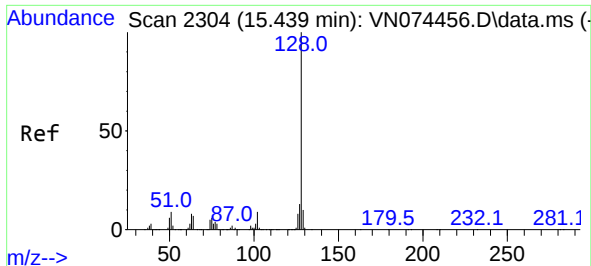
Tgt Ion: 75 Resp: 172315
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.032 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

Tgt Ion: 75 Resp: 172315
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

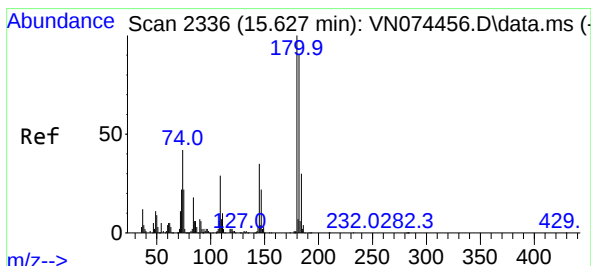
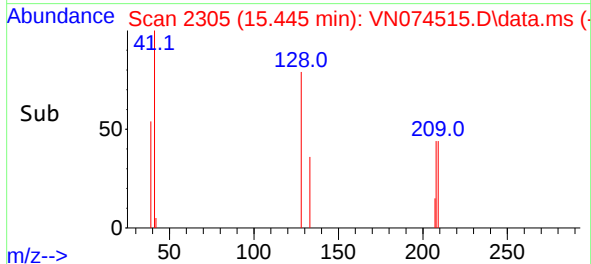
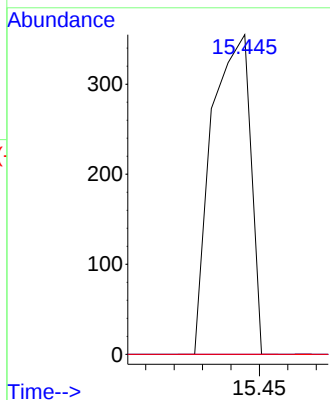
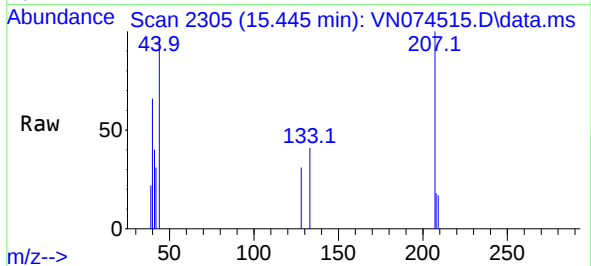




#95
Naphthalene
Concen: 1.603 ug/l
RT: 15.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

Instrument :
MSVOA_N
ClientSampleId :
FB-090222

Tgt Ion:128 Resp: 336
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.357 ug/l
RT: 15.645 min Scan# 2339
Delta R.T. 0.018 min
Lab File: VN074515.D
Acq: 16 Sep 2022 17:11

Tgt Ion:180 Resp: 113
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.5 46.5#

