

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074661.D
 Acq On : 30 Sep 2022 12:20
 Operator : JC\MD
 Sample : VN0930MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 03 02:04:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

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

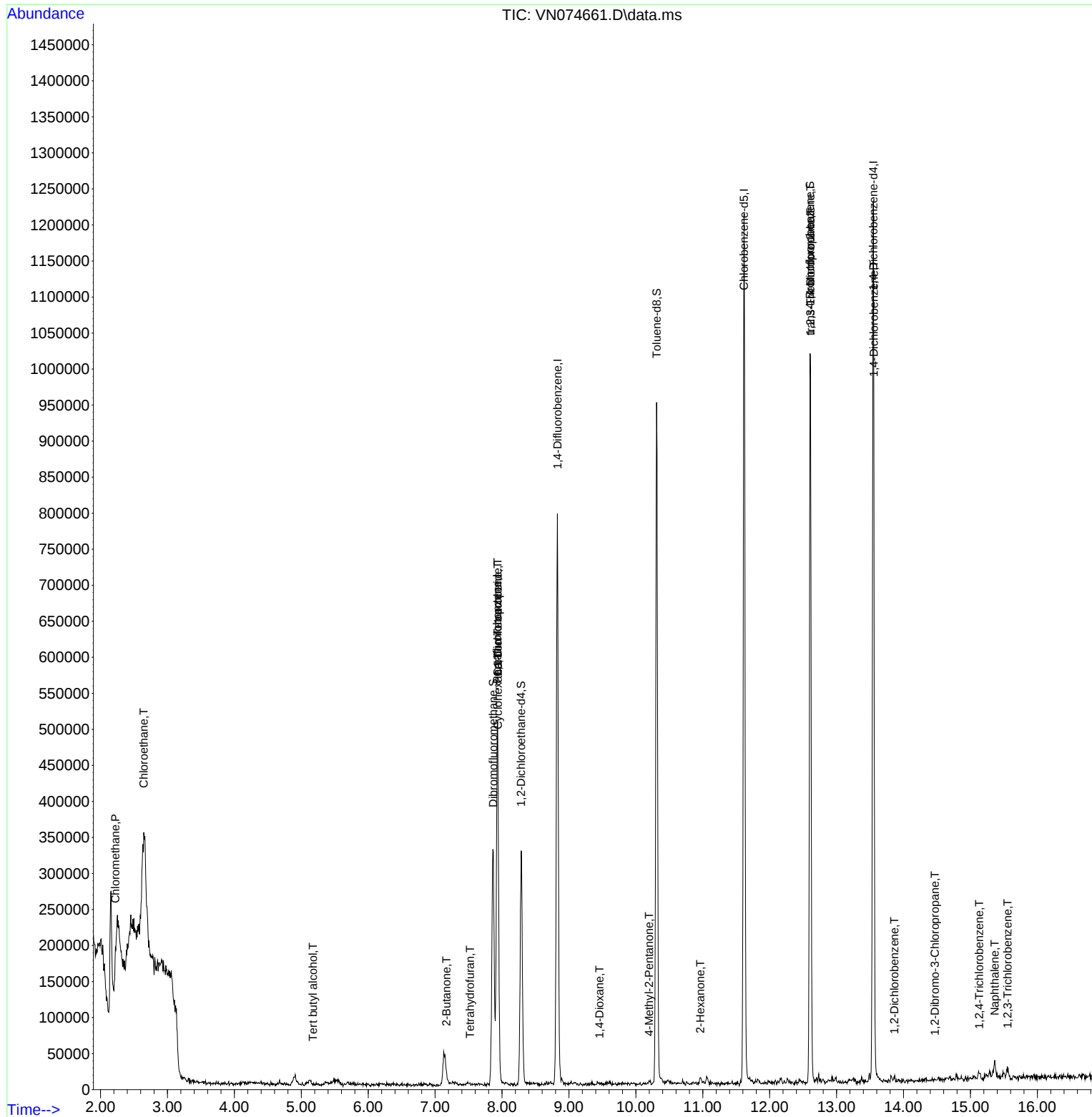
Internal Standards						
1) Pentafluorobenzene	7.928	168	365748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	641758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	634157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	307138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.287	65	238042	25.969	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	51.940%#
35) Dibromofluoromethane	7.869	113	235765	34.709	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	69.420%#
50) Toluene-d8	10.310	98	631807	22.113	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	44.220%#
62) 4-Bromofluorobenzene	12.604	95	310504	34.272	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	68.540%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.222	50	3188	0.285	ug/l #	72
6) Chloroethane	2.646	64	65443	5.236	ug/l #	53
8) Diethyl Ether	3.705	74	128	Below Cal		76
11) Tert butyl alcohol	5.175	59	741	0.303	ug/l #	24
13) Acrolein	3.893	56	491	Below Cal		94
16) Acetone	4.128	43	3680	Below Cal	#	49
20) Methylene Chloride	4.916	84	7372	Below Cal	#	80
25) 2-Butanone	7.169	43	3877	0.460	ug/l #	79
29) Tetrahydrofuran	7.522	42	1348	0.242	ug/l #	67
31) Cyclohexane	7.940	56	12011	0.807	ug/l #	45
36) 1,1-Dichloropropene	7.934	75	34817	3.201	ug/l #	44
38) Carbon Tetrachloride	7.934	117	39413	3.955	ug/l #	16
49) 1,4-Dioxane	9.457	88	156	0.771	ug/l #	1
51) 4-Methyl-2-Pentanone	10.198	43	3440	0.211	ug/l #	64
59) 2-Hexanone	10.963	43	6063	0.493	ug/l	82
74) N-amyl acetate	12.263	43	1333	Below Cal	#	26
75) 1,1,2,2-Tetrachloroethane	12.698	83	567	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.610	75	183489	25.440	ug/l #	1
77) Bromobenzene	12.733	156	750	Below Cal	#	30
81) trans-1,4-Dichloro-2-b...	12.610	75	183489	49.924	ug/l #	10
88) 1,4-Dichlorobenzene	13.557	146	3650	0.319	ug/l #	24
91) 1,2-Dichlorobenzene	13.863	146	3029	0.260	ug/l	83
92) 1,2-Dibromo-3-Chloropr...	14.469	75	606	0.275	ug/l	62
93) 1,2,4-Trichlorobenzene	15.133	180	3863	0.741	ug/l	68
94) Hexachlorobutadiene	15.239	225	433	Below Cal	#	38
95) Naphthalene	15.363	128	21461	1.052	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.557	180	5041	0.971	ug/l	77

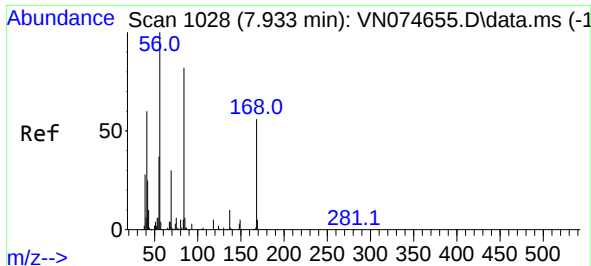
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
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Acq On : 30 Sep 2022 12:20
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Sample : VN0930MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 03 02:04:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 30 07:44:59 2022
Response via : Initial Calibration

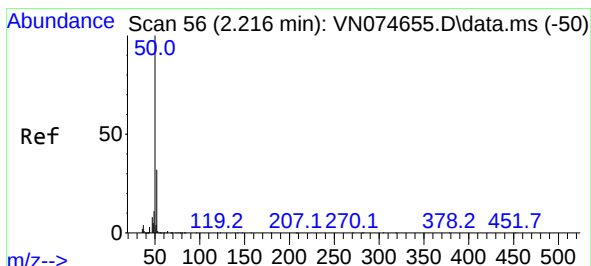
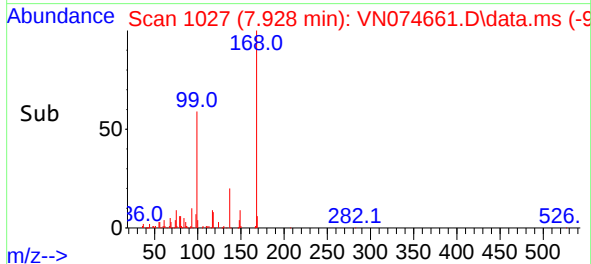
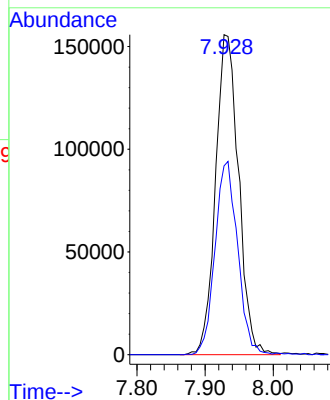
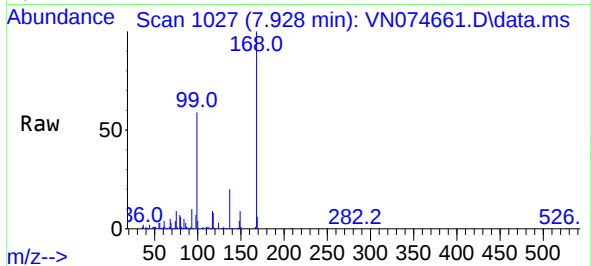




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.928 min Scan# 1027
Delta R.T. -0.005 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

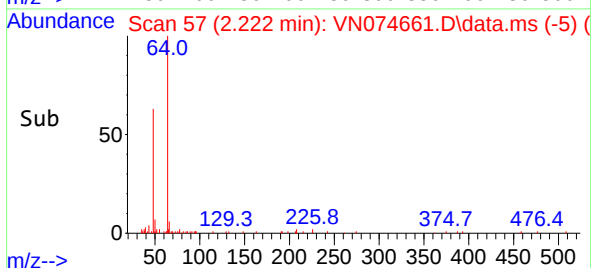
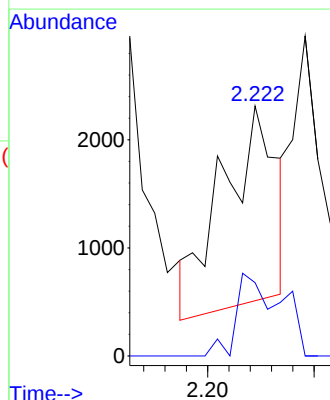
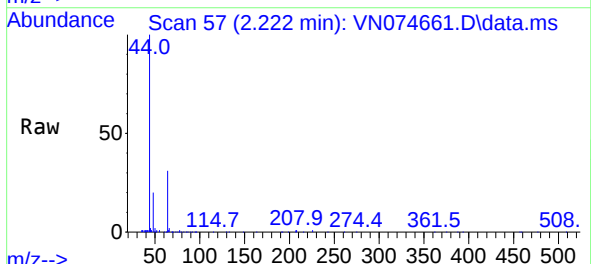
Instrument :
MSVOA_N
ClientSampleId :

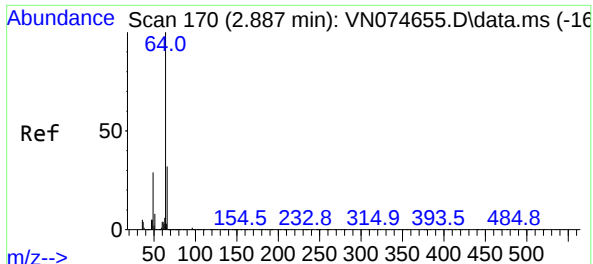
Tgt Ion:168 Resp: 365748
Ion Ratio Lower Upper
168 100
99 59.0 42.3 63.5



#3
Chloromethane
Concen: 0.285 ug/l
RT: 2.222 min Scan# 57
Delta R.T. 0.006 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

Tgt Ion: 50 Resp: 3188
Ion Ratio Lower Upper
50 100
52 47.5 25.7 38.5#

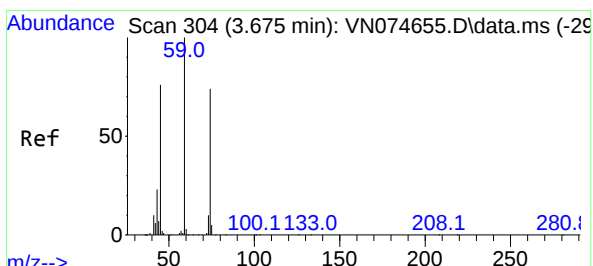
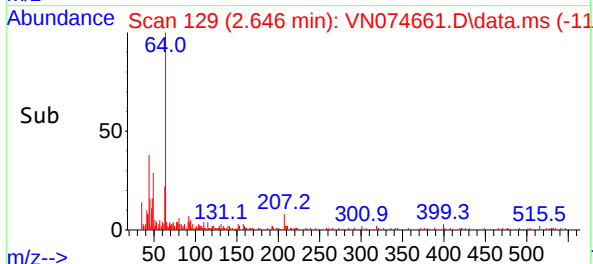
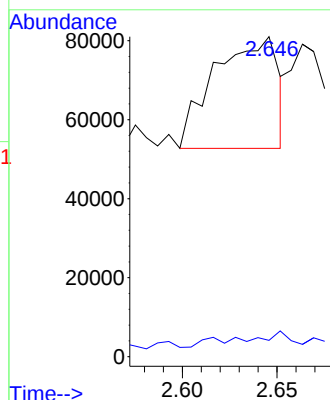
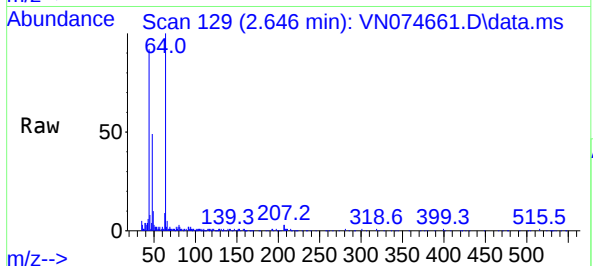




#6
Chloroethane
Concen: 5.236 ug/l
RT: 2.646 min Scan# 11
Delta R.T. -0.241 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

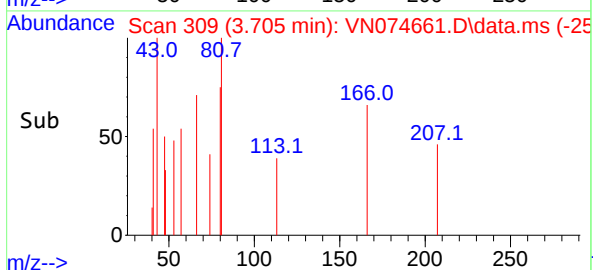
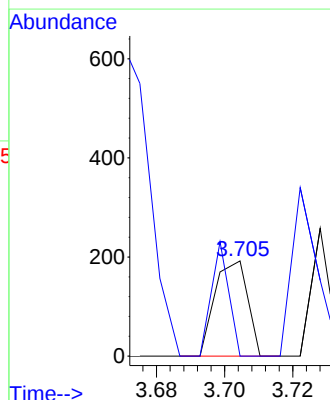
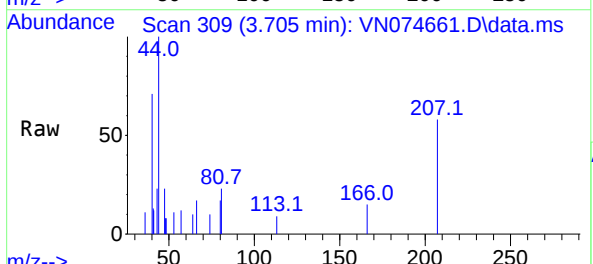
Instrument :
MSVOA_N
ClientSampleId :

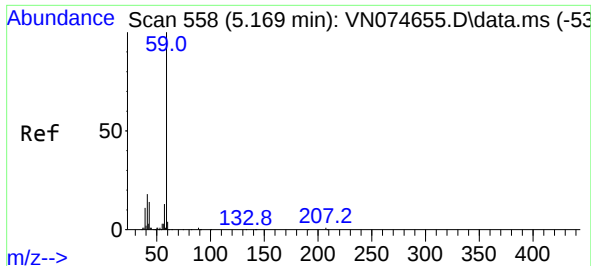
Tgt Ion: 64 Resp: 65443
Ion Ratio Lower Upper
64 100
66 6.3 26.2 39.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 3.705 min Scan# 309
Delta R.T. 0.030 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

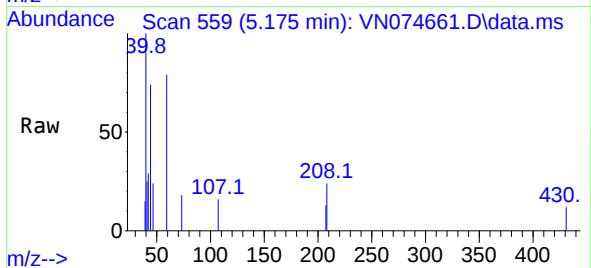
Tgt Ion: 74 Resp: 128
Ion Ratio Lower Upper
74 100
45 64.1 42.9 128.5



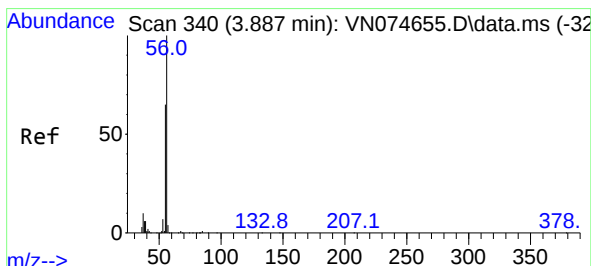
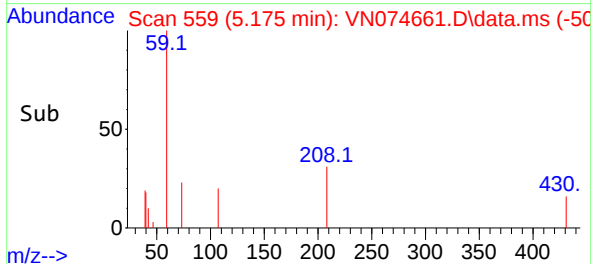
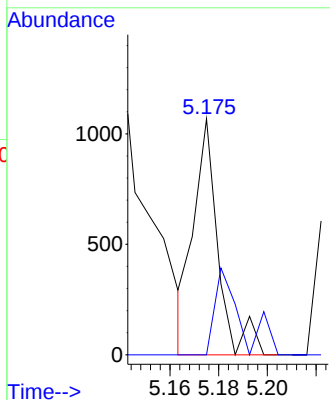


#11
Tert butyl alcohol
Concen: 0.303 ug/l
RT: 5.175 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

Instrument :
MSVOA_N
ClientSampleId :

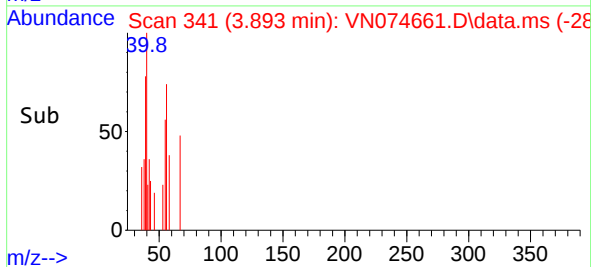
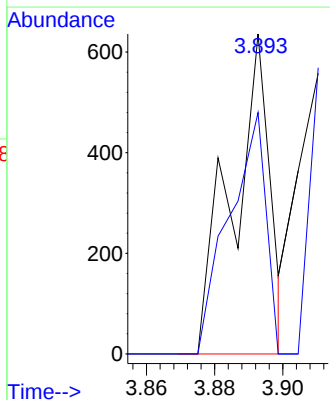
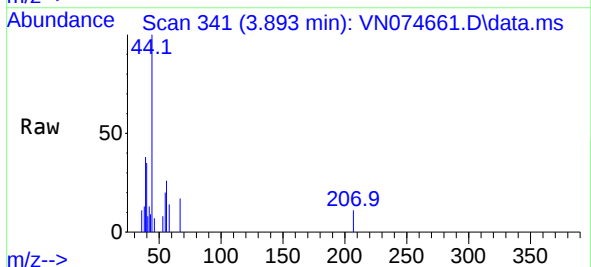


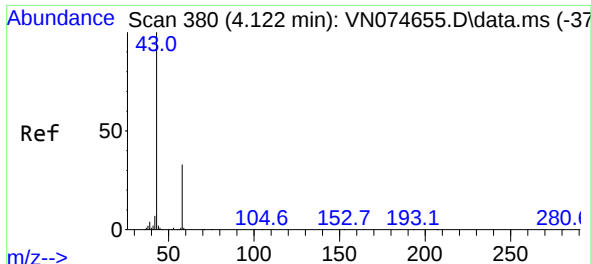
Tgt Ion: 59 Resp: 741
Ion Ratio Lower Upper
59 100
57 38.9 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 3.893 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

Tgt Ion: 56 Resp: 491
Ion Ratio Lower Upper
56 100
55 73.1 54.8 82.2

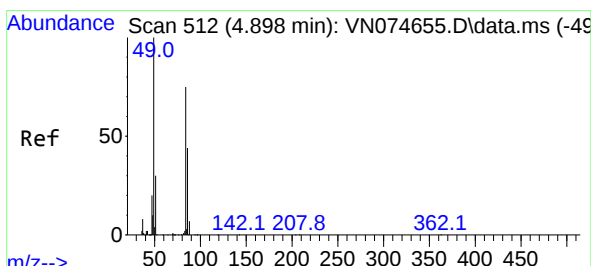
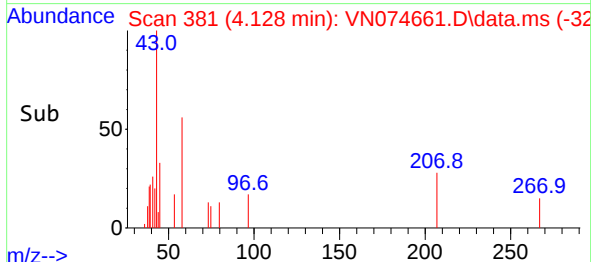
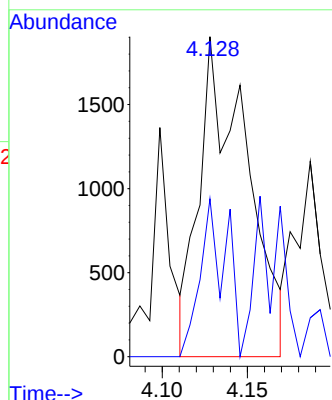
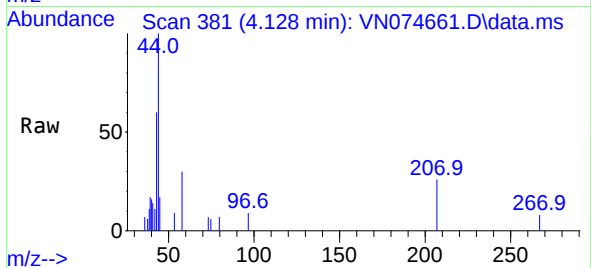




#16
Acetone
Concen: Below Cal
RT: 4.128 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

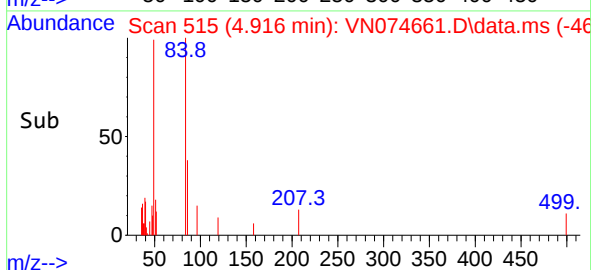
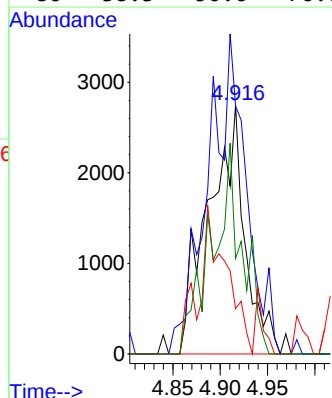
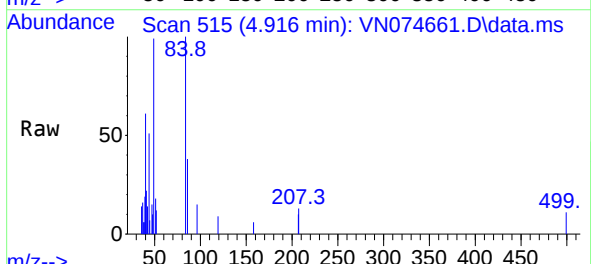
Instrument :
MSVOA_N
ClientSampleId :

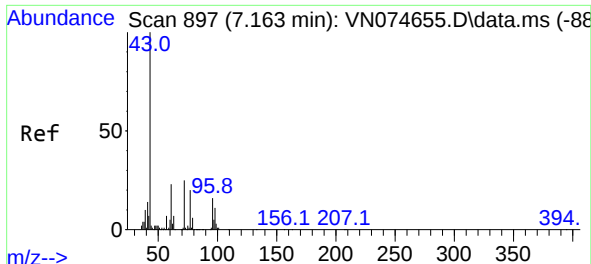
Tgt Ion: 43 Resp: 3680
Ion Ratio Lower Upper
43 100
58 61.1 26.0 39.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.916 min Scan# 515
Delta R.T. 0.018 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

Tgt Ion: 84 Resp: 7372
Ion Ratio Lower Upper
84 100
49 99.5 88.3 132.5
51 18.2 28.2 42.2#
86 38.3 50.6 76.0#





#25

2-Butanone

Concen: 0.460 ug/l

RT: 7.169 min Scan# 897

Delta R.T. 0.006 min

Lab File: VN074661.D

Acq: 30 Sep 2022 12:20

Instrument :

MSVOA_N

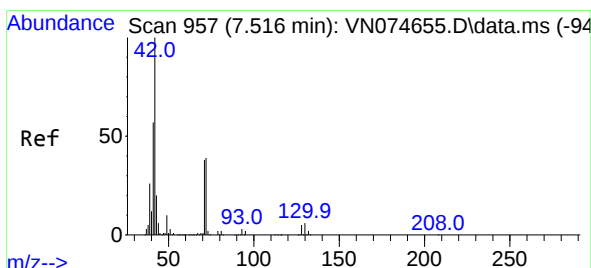
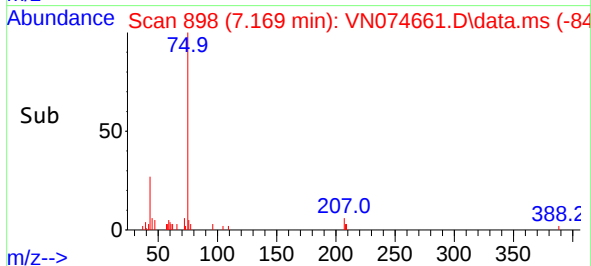
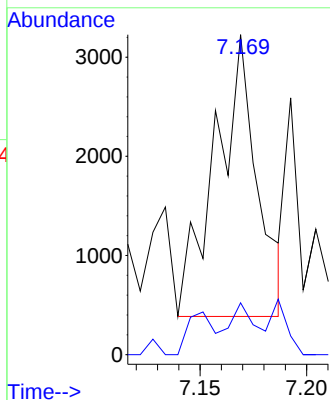
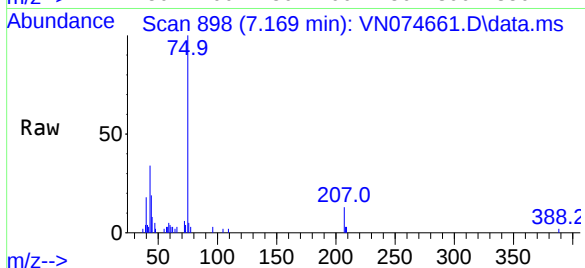
ClientSampleId :

Tgt Ion: 43 Resp: 3877

Ion Ratio Lower Upper

43 100

72 18.4 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.242 ug/l

RT: 7.522 min Scan# 958

Delta R.T. 0.006 min

Lab File: VN074661.D

Acq: 30 Sep 2022 12:20

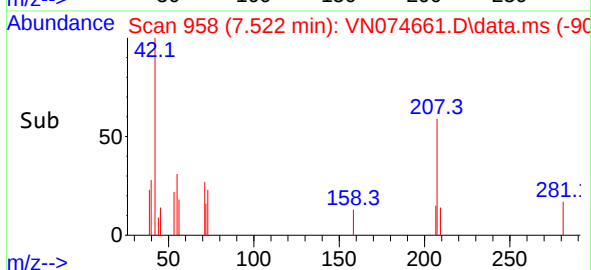
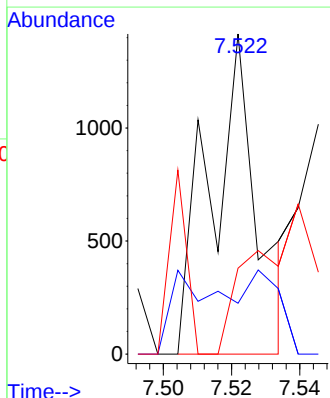
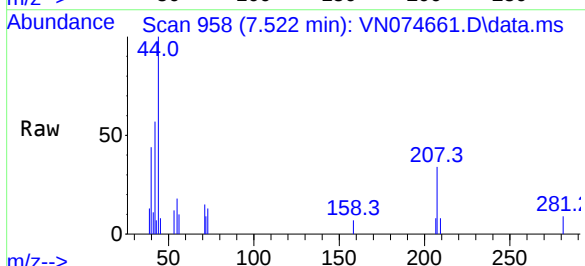
Tgt Ion: 42 Resp: 1348

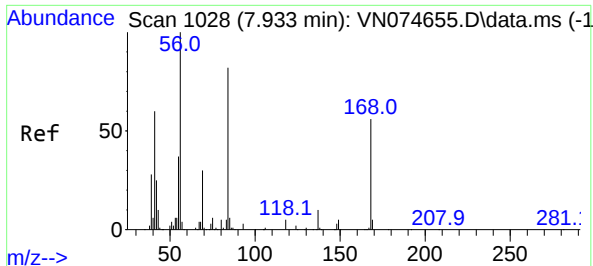
Ion Ratio Lower Upper

42 100

72 29.0 39.7 59.5#

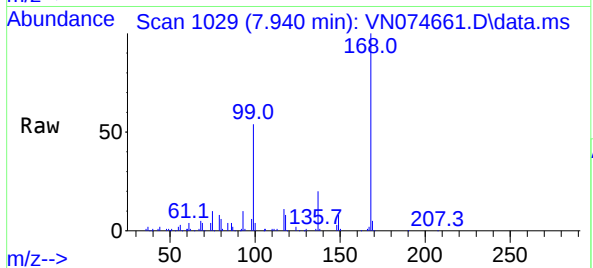
71 21.3 36.6 55.0#



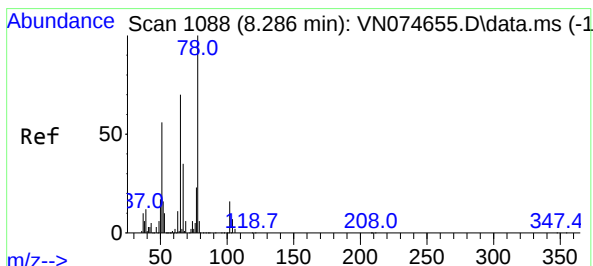
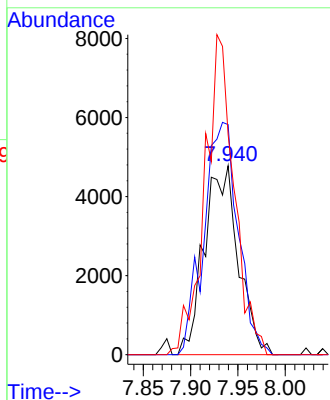
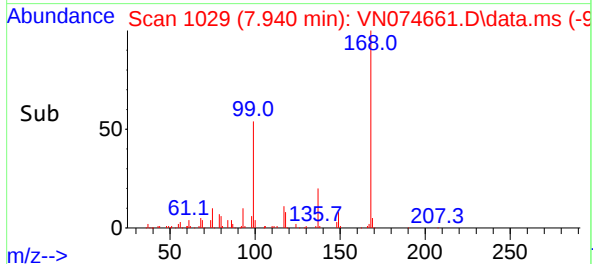


#31
Cyclohexane
Concen: 0.807 ug/l
RT: 7.940 min Scan# 1029
Delta R.T. 0.007 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

Instrument :
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ClientSampleId :

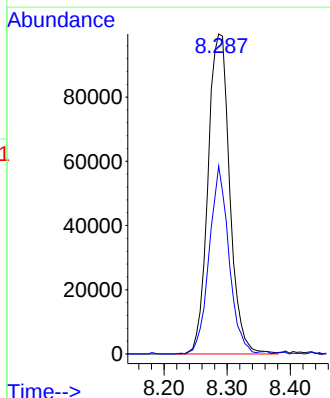
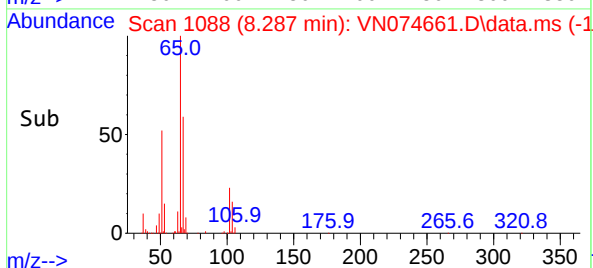
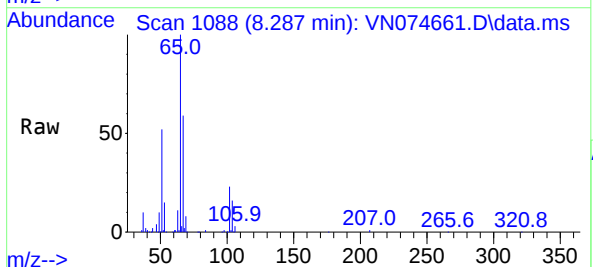


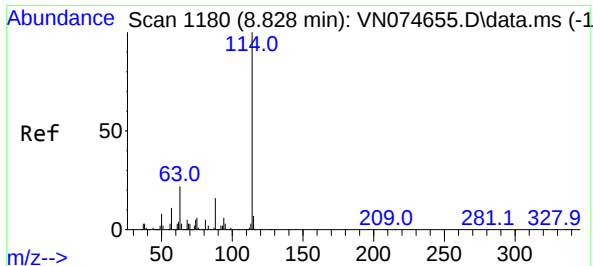
Tgt Ion: 56 Resp: 12011
Ion Ratio Lower Upper
56 100
69 121.7 27.8 41.8#
84 116.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 25.969 ug/l
RT: 8.287 min Scan# 1088
Delta R.T. 0.001 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

Tgt Ion: 65 Resp: 238042
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.8

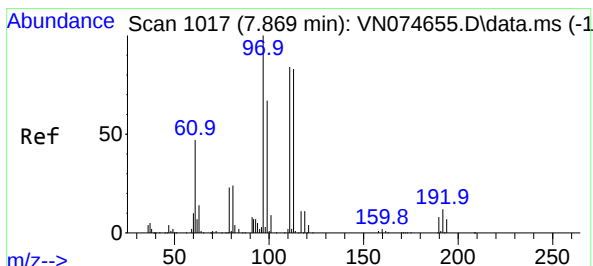
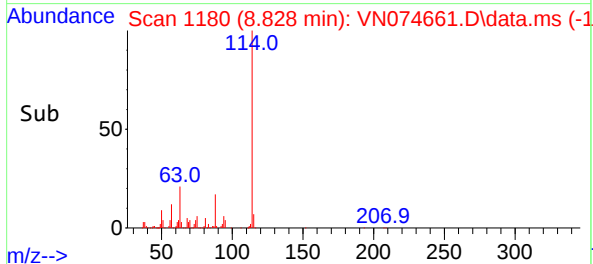
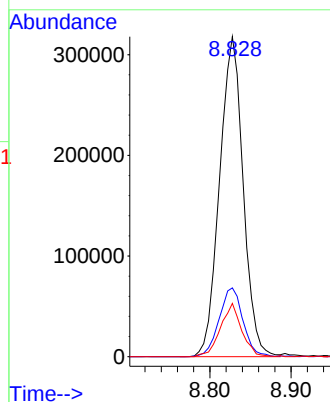
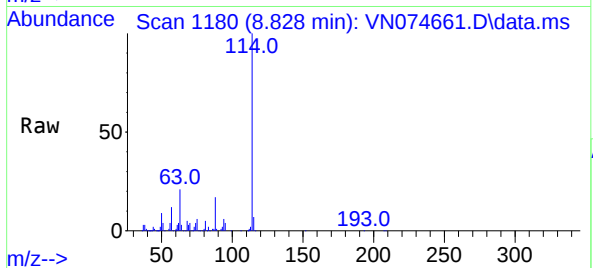




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

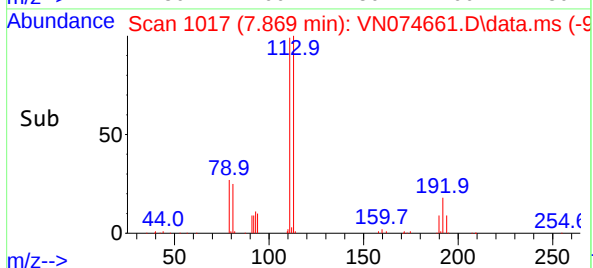
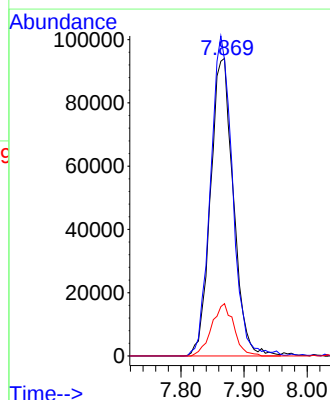
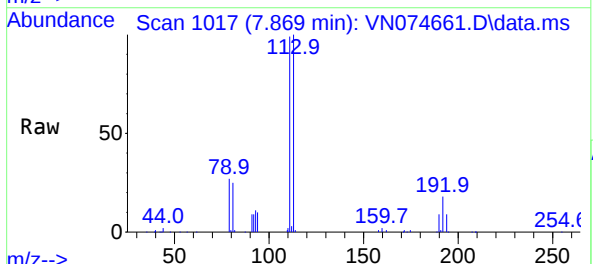
Instrument :
MSVOA_N
ClientSampleId :

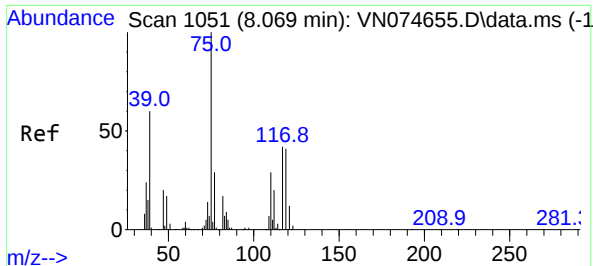
Tgt Ion:114 Resp: 641758
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.0
88 16.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 34.709 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

Tgt Ion:113 Resp: 235765
Ion Ratio Lower Upper
113 100
111 104.2 81.4 122.0
192 17.2 17.0 25.6

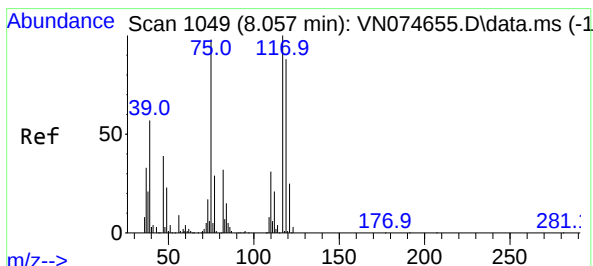
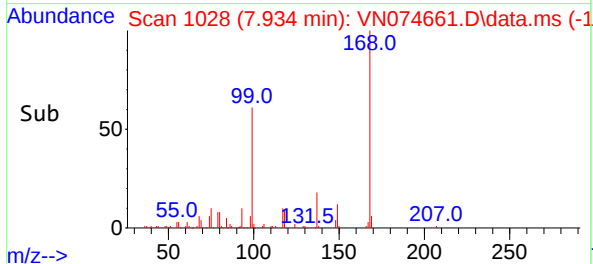
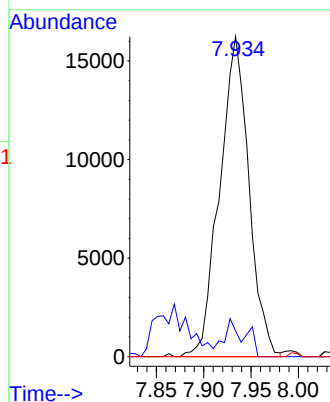
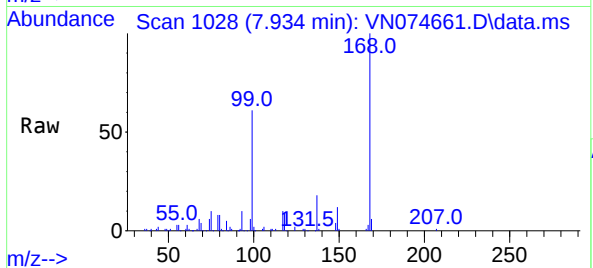




#36
1,1-Dichloropropene
Concen: 3.201 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.135 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

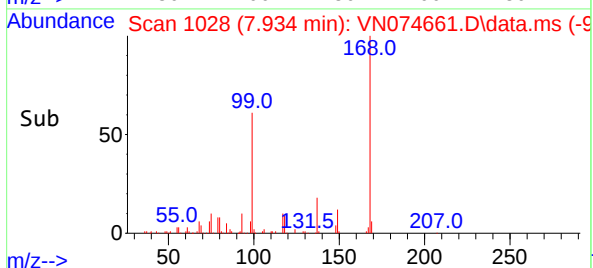
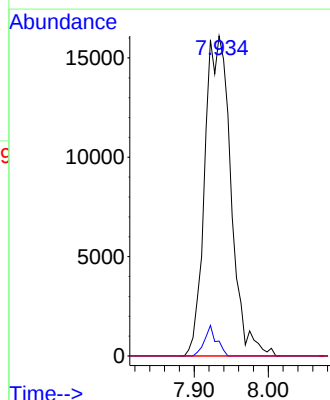
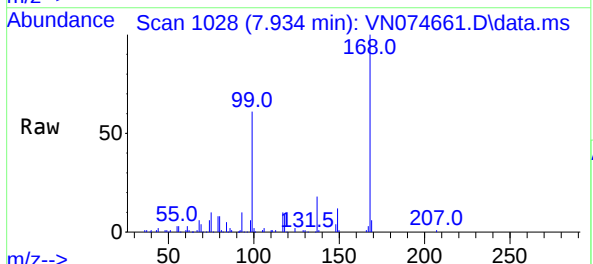
Instrument :
MSVOA_N
ClientSampleId :

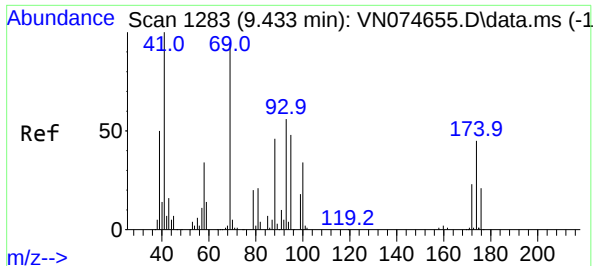
Tgt Ion: 75 Resp: 34817
Ion Ratio Lower Upper
75 100
110 3.5 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 3.955 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

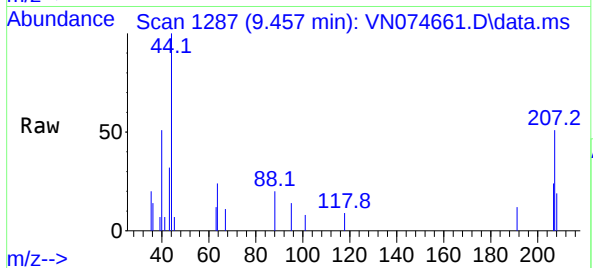
Tgt Ion: 117 Resp: 39413
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.8#
121 0.0 24.6 37.0#



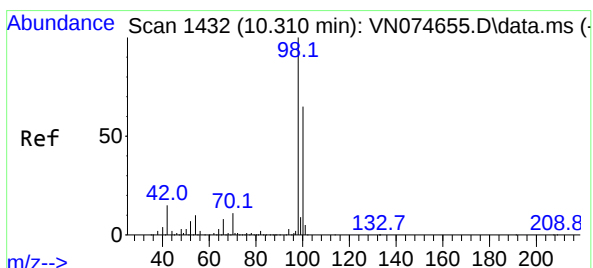
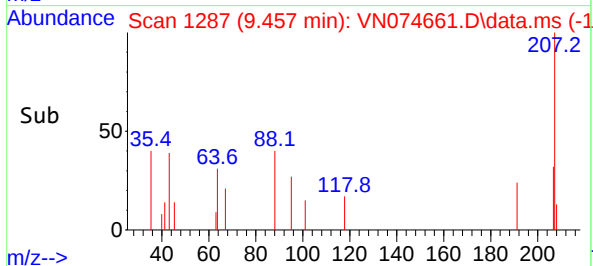
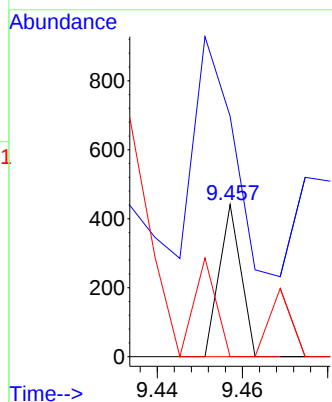


#49
1,4-Dioxane
Concen: 0.771 ug/l
RT: 9.457 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

Instrument :
MSVOA_N
ClientSampleId :

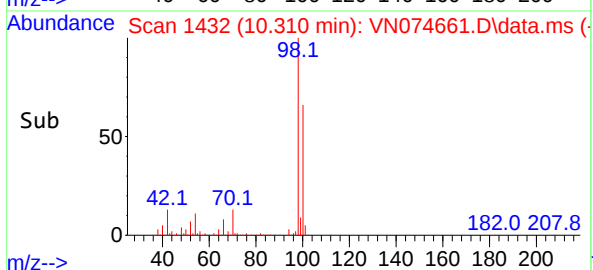
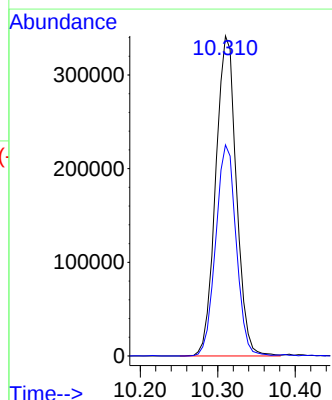
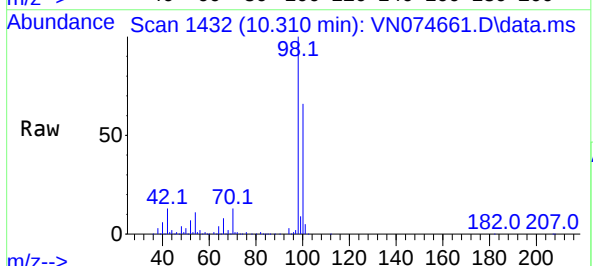


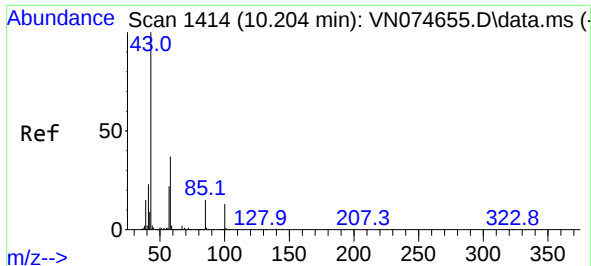
Tgt Ion: 88 Resp: 156
Ion Ratio Lower Upper
88 100
43 801.9 20.2 30.4#
58 44.9 54.2 81.4#



#50
Toluene-d8
Concen: 22.113 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

Tgt Ion: 98 Resp: 631807
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8

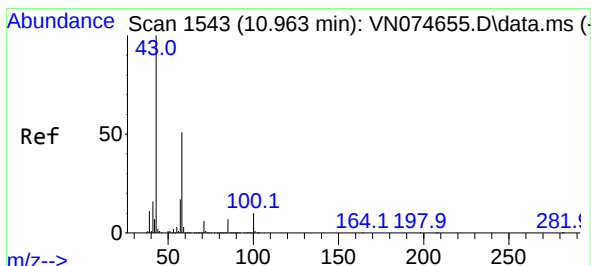
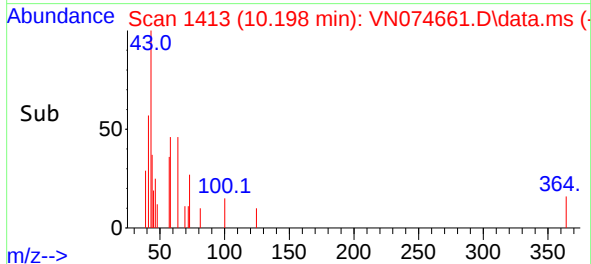
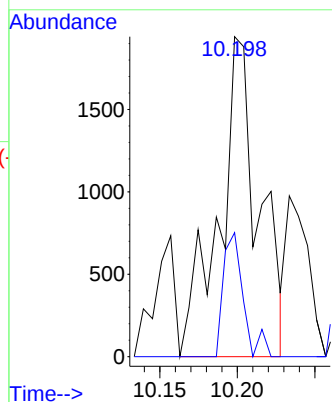
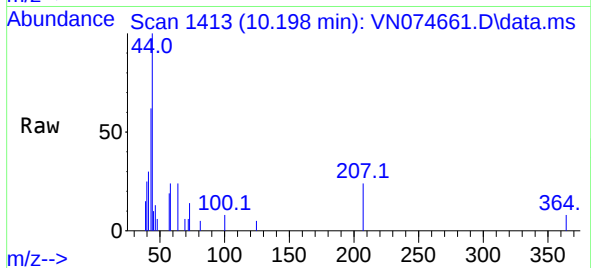




#51
4-Methyl-2-Pentanone
Concen: 0.211 ug/l
RT: 10.198 min Scan# 1413
Delta R.T. -0.006 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

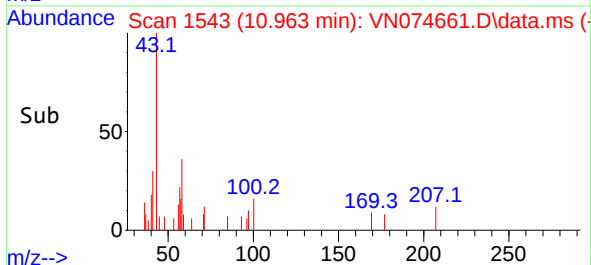
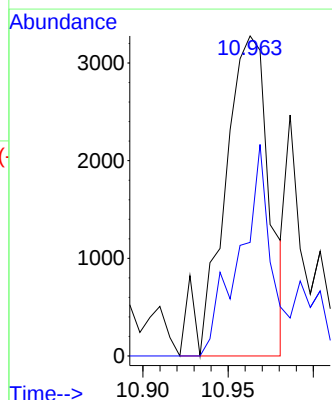
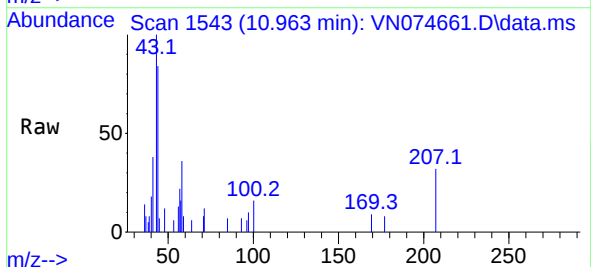
Instrument :
MSVOA_N
ClientSampleId :

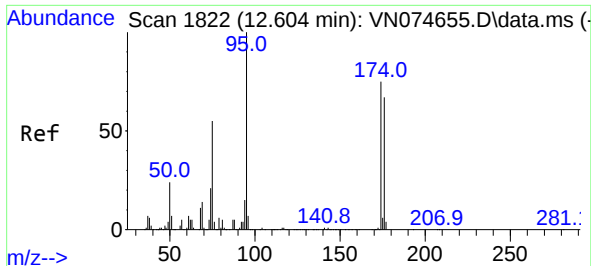
Tgt Ion: 43 Resp: 3440
Ion Ratio Lower Upper
43 100
58 19.4 34.1 51.1#



#59
2-Hexanone
Concen: 0.493 ug/l
RT: 10.963 min Scan# 1543
Delta R.T. -0.000 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

Tgt Ion: 43 Resp: 6063
Ion Ratio Lower Upper
43 100
58 46.2 29.7 89.1

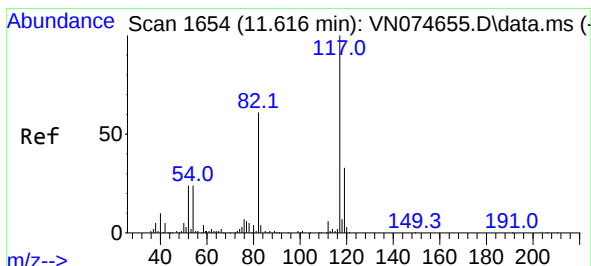
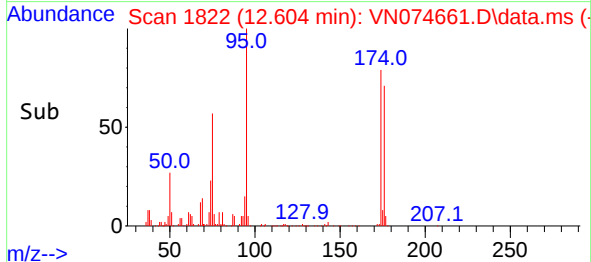
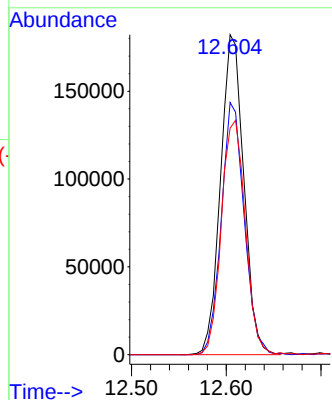
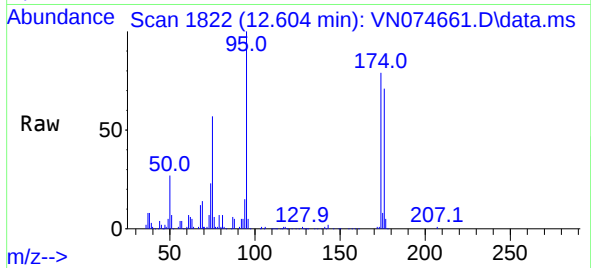




#62
4-Bromofluorobenzene
Concen: 34.272 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

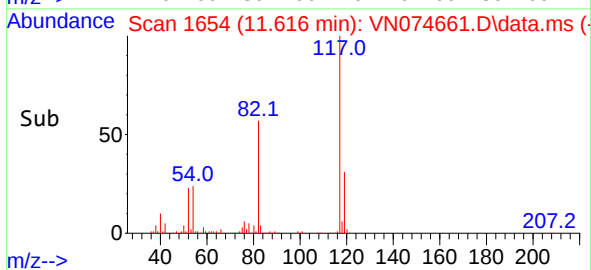
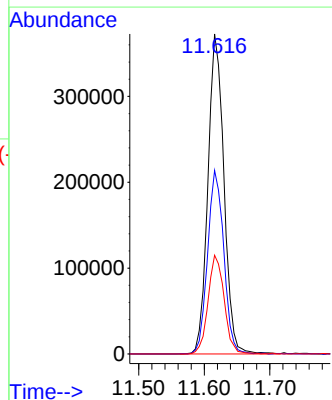
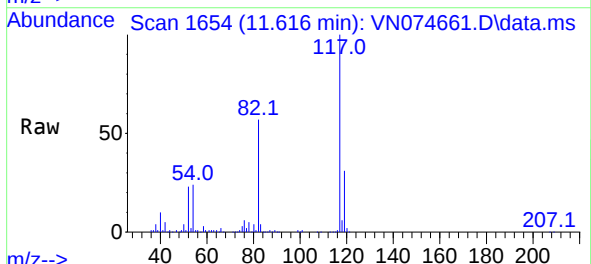
Instrument :
MSVOA_N
ClientSampleId :

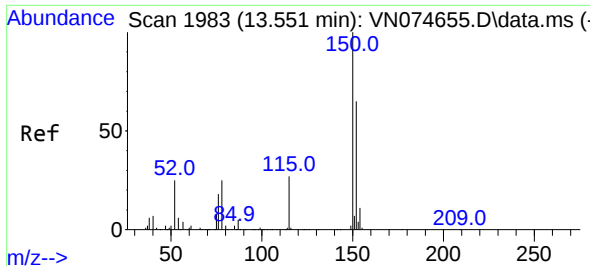
Tgt Ion: 95 Resp: 310504
Ion Ratio Lower Upper
95 100
174 78.0 0.0 167.6
176 75.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.616 min Scan# 1654
Delta R.T. -0.000 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

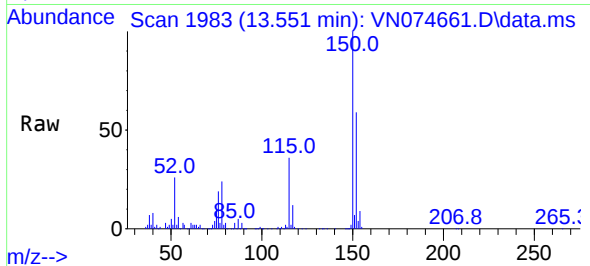
Tgt Ion: 117 Resp: 634157
Ion Ratio Lower Upper
117 100
82 57.3 44.2 66.2
119 30.8 25.4 38.0



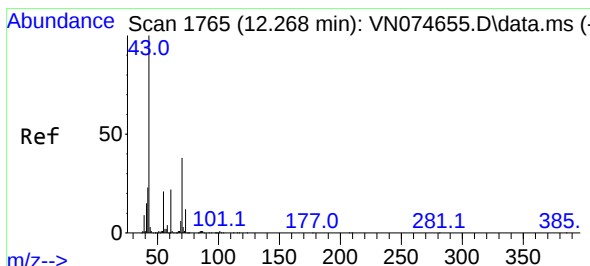
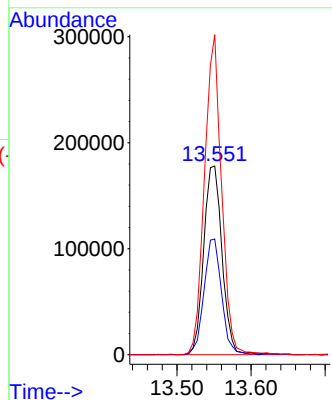
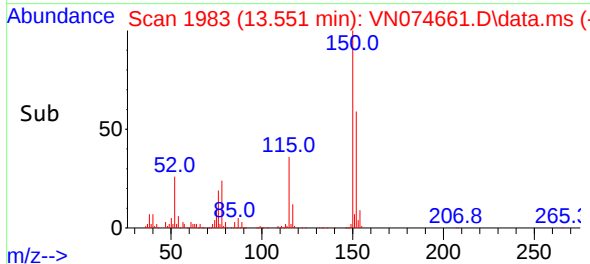


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

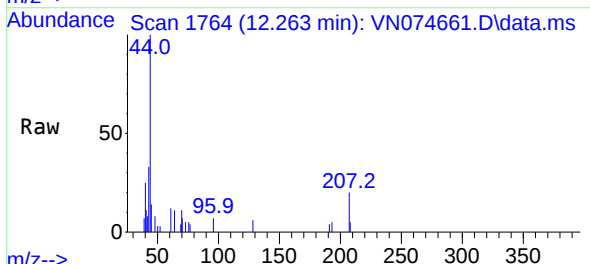
Instrument :
MSVOA_N
ClientSampleId :



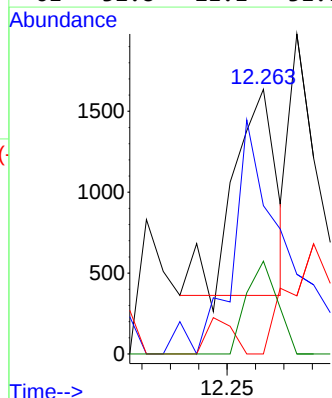
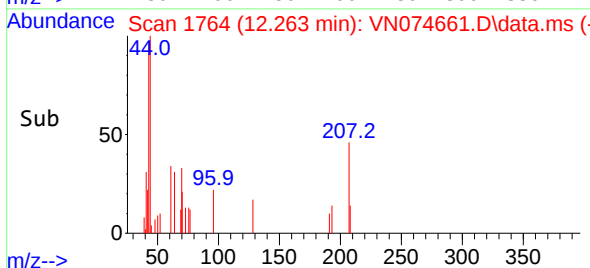
Tgt Ion:152 Resp: 307138
Ion Ratio Lower Upper
152 100
115 58.6 28.9 86.7
150 157.6 0.0 356.2

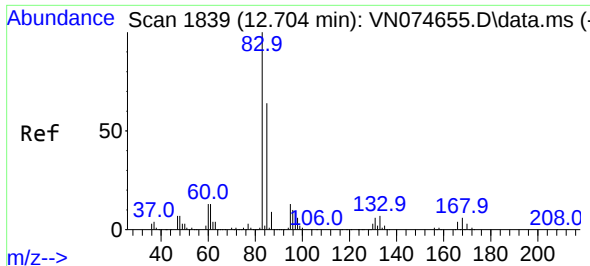


#74
N-ethyl acetate
Concen: Below Cal
RT: 12.263 min Scan# 1764
Delta R.T. -0.005 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20



Tgt Ion: 43 Resp: 1333
Ion Ratio Lower Upper
43 100
70 137.2 39.0 58.4#
55 10.5 21.1 31.7#
61 32.8 21.1 31.7#

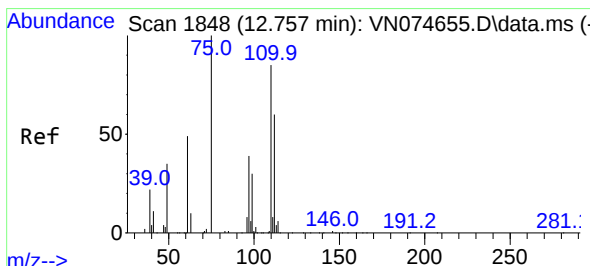
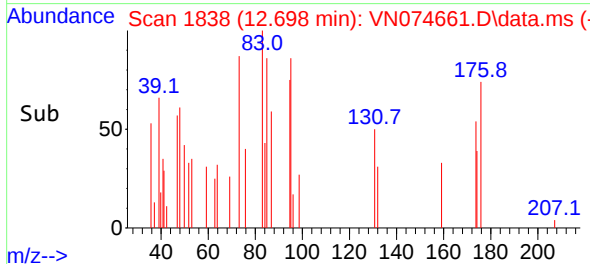
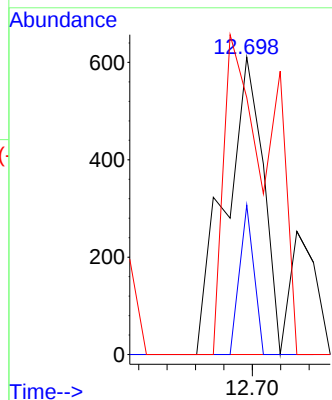
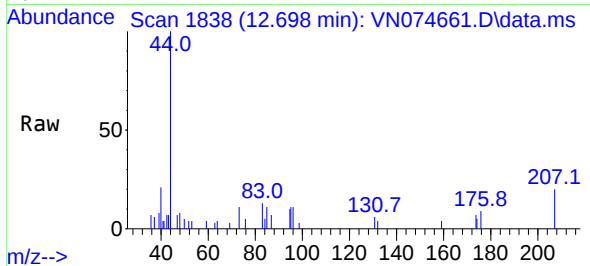




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.698 min Scan# 1838
Delta R.T. -0.006 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

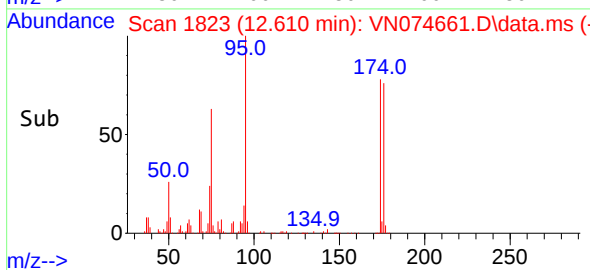
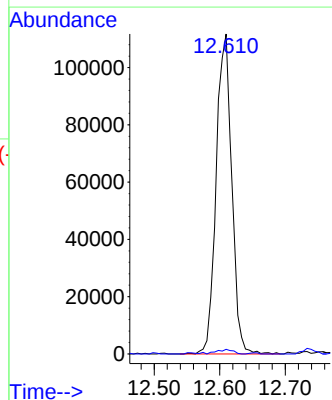
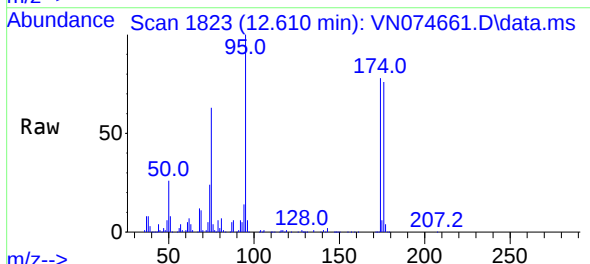
Instrument :
MSVOA_N
ClientSampleId :

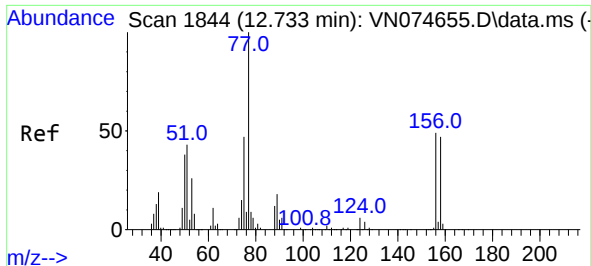
Tgt Ion: 83 Resp: 567
Ion Ratio Lower Upper
83 100
131 19.0 5.3 15.9#
85 130.5 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 25.440 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. -0.147 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

Tgt Ion: 75 Resp: 183489
Ion Ratio Lower Upper
75 100
77 1.6 98.5 295.5#

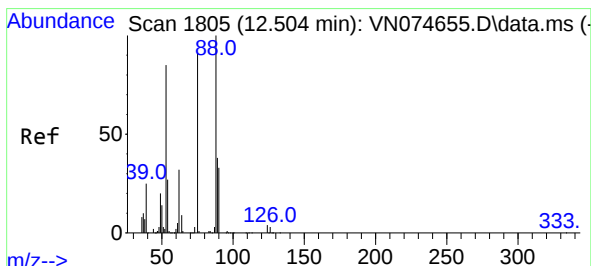
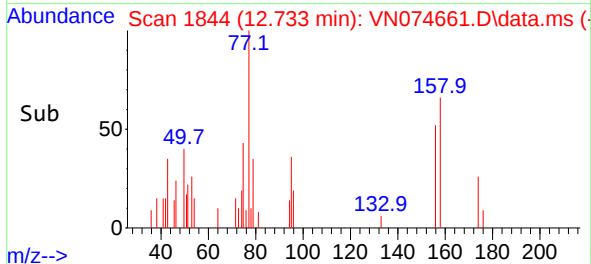
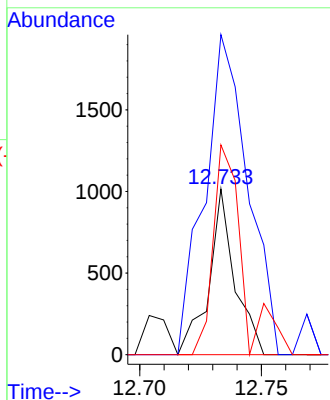
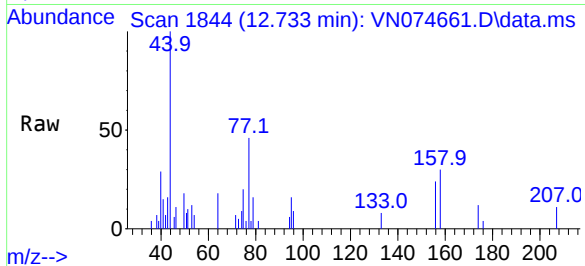




#77
Bromobenzene
Concen: Below Cal
RT: 12.733 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

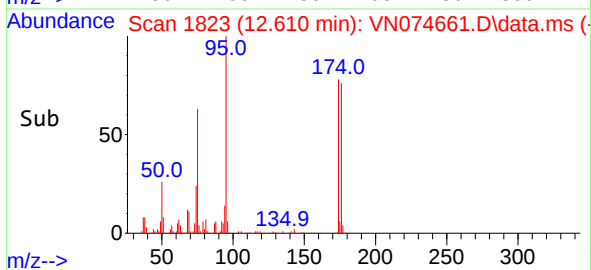
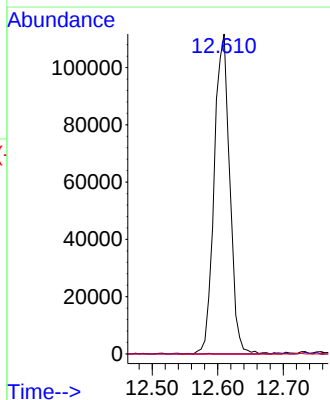
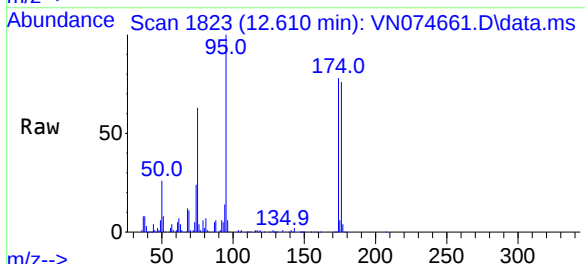
Instrument :
MSVOA_N
ClientSampleId :

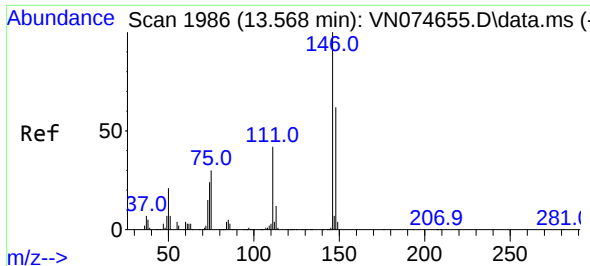
Tgt Ion:156 Resp: 750
Ion Ratio Lower Upper
156 100
77 324.7 100.5 301.5#
158 142.9 48.9 146.6



#81
trans-1,4-Dichloro-2-butene
Concen: 49.924 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.106 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

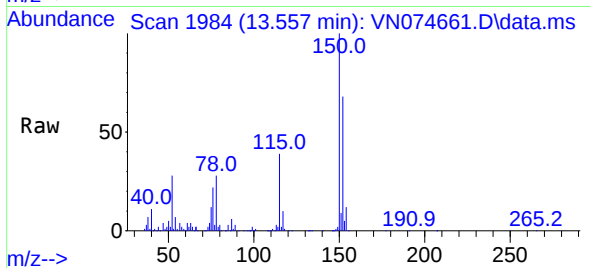
Tgt Ion: 75 Resp: 183489
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



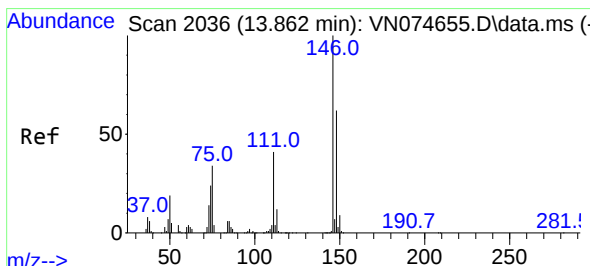
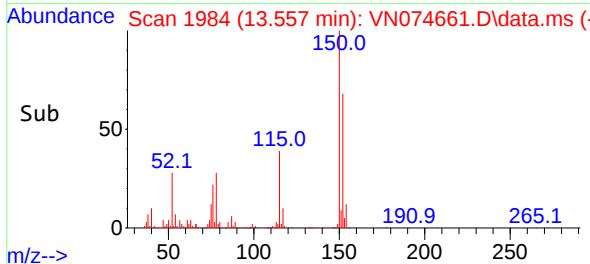
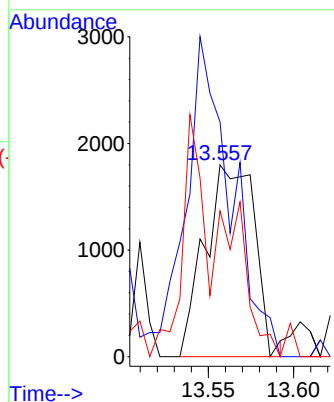


#88
 1,4-Dichlorobenzene
 Concen: 0.319 ug/l
 RT: 13.557 min Scan# 1984
 Delta R.T. -0.011 min
 Lab File: VN074661.D
 Acq: 30 Sep 2022 12:20

Instrument :
 MSVOA_N
 ClientSampleId :

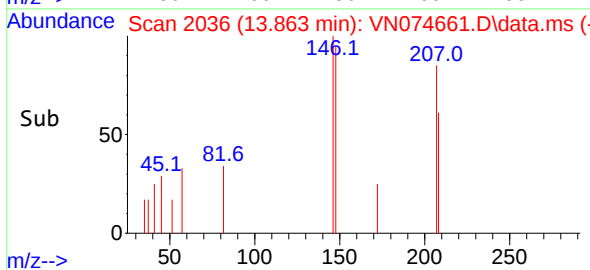
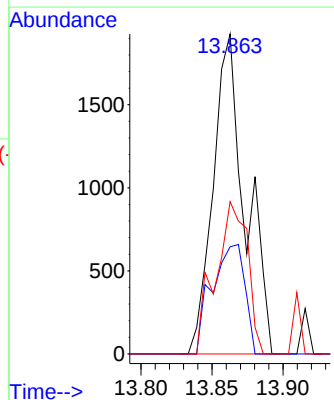
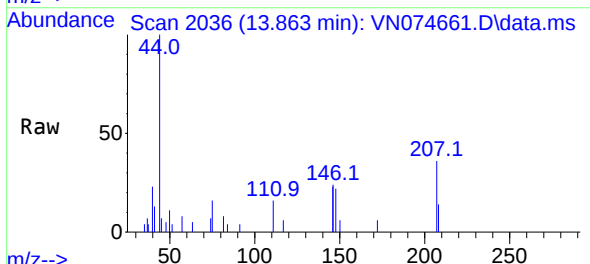


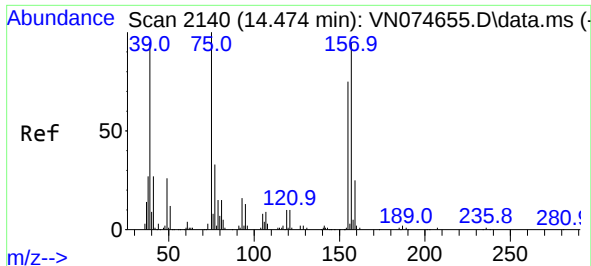
Tgt Ion:146 Resp: 3650
 Ion Ratio Lower Upper
 146 100
 111 148.1 19.1 57.1#
 148 53.7 31.4 94.3



#91
 1,2-Dichlorobenzene
 Concen: 0.260 ug/l
 RT: 13.863 min Scan# 2036
 Delta R.T. 0.001 min
 Lab File: VN074661.D
 Acq: 30 Sep 2022 12:20

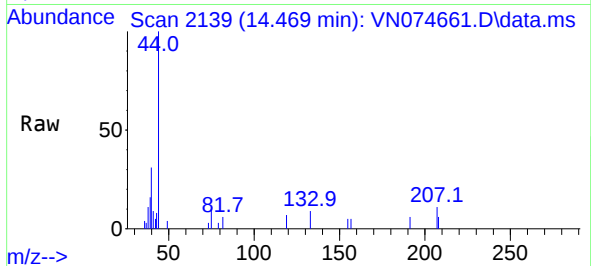
Tgt Ion:146 Resp: 3029
 Ion Ratio Lower Upper
 146 100
 111 34.8 20.9 62.8
 148 47.3 32.1 96.3



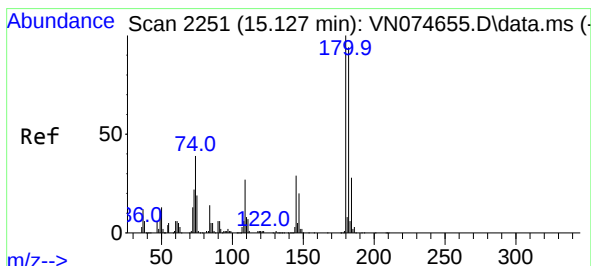
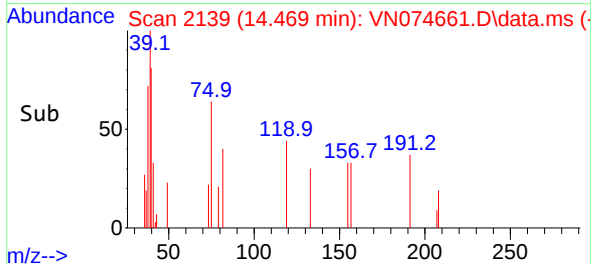
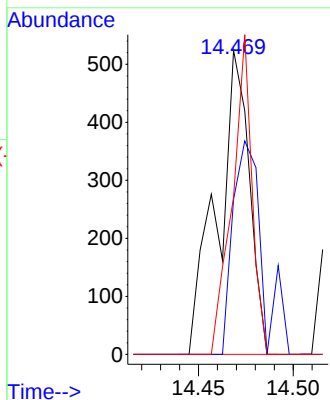


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.275 ug/l
 RT: 14.469 min Scan# 2140
 Delta R.T. -0.005 min
 Lab File: VN074661.D
 Acq: 30 Sep 2022 12:20

Instrument :
 MSVOA_N
 ClientSampleId :

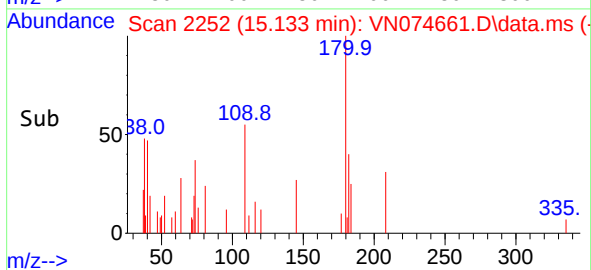
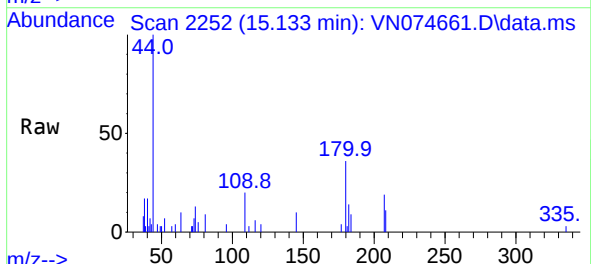
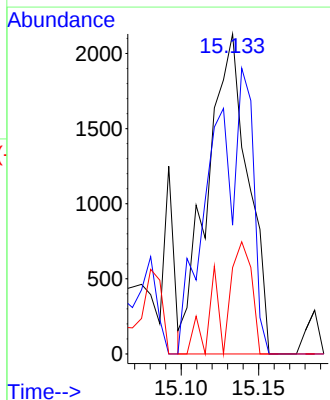


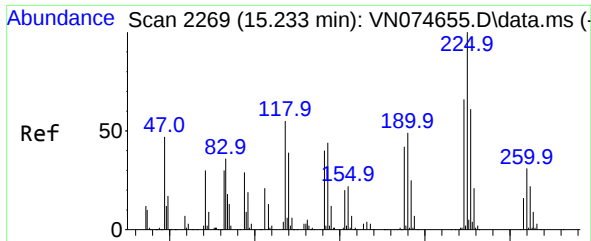
Tgt Ion: 75 Resp: 606
 Ion Ratio Lower Upper
 75 100
 155 64.7 44.9 134.5
 157 65.7 59.0 176.8



#93
 1,2,4-Trichlorobenzene
 Concen: 0.741 ug/l
 RT: 15.133 min Scan# 2252
 Delta R.T. 0.006 min
 Lab File: VN074661.D
 Acq: 30 Sep 2022 12:20

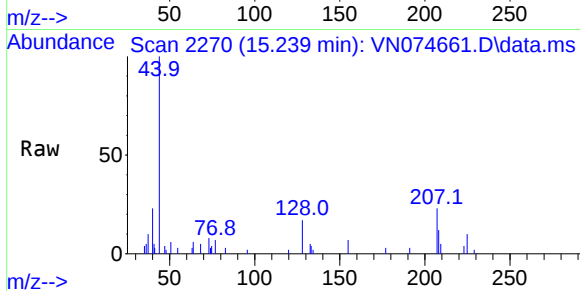
Tgt Ion: 180 Resp: 3863
 Ion Ratio Lower Upper
 180 100
 182 56.3 47.5 142.5
 145 25.0 14.5 43.5



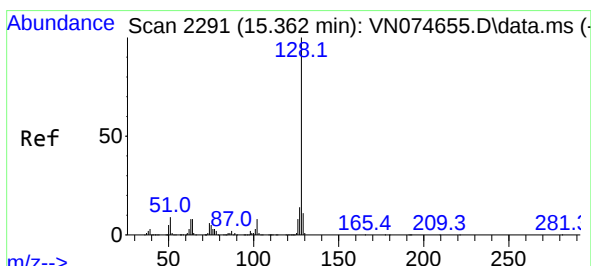
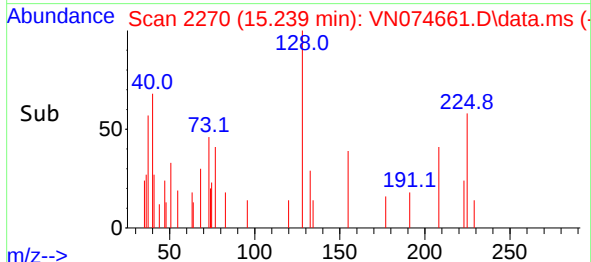
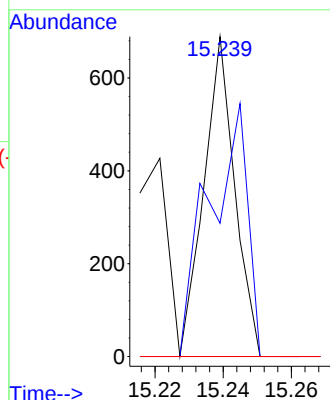


#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

Instrument :
MSVOA_N
ClientSampleId :

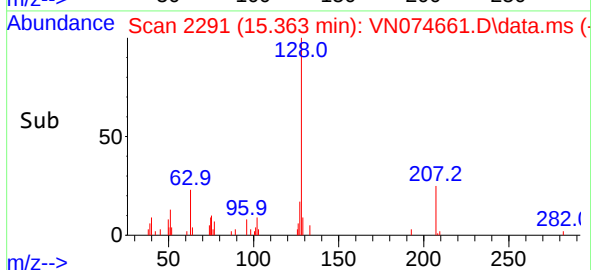
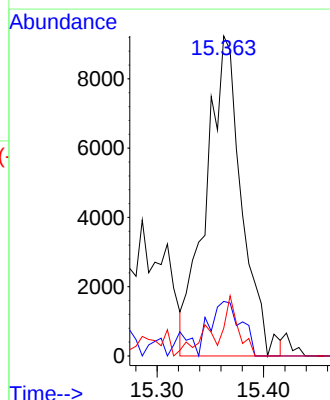
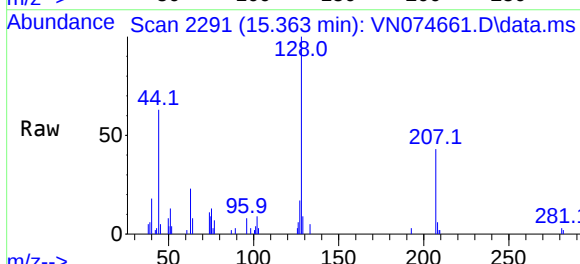


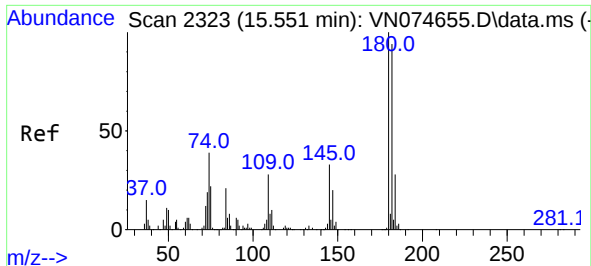
Tgt Ion:225 Resp: 433
Ion Ratio Lower Upper
225 100
223 98.2 32.4 97.2#
227 0.0 31.8 95.4#



#95
Naphthalene
Concen: 1.052 ug/l
RT: 15.363 min Scan# 2291
Delta R.T. 0.001 min
Lab File: VN074661.D
Acq: 30 Sep 2022 12:20

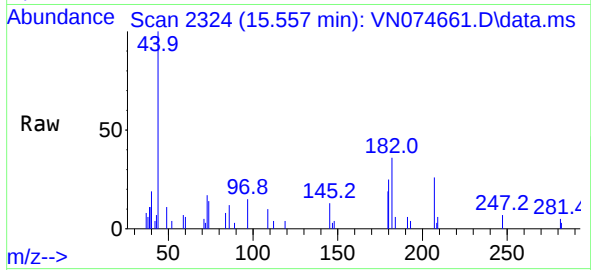
Tgt Ion:128 Resp: 21461
Ion Ratio Lower Upper
128 100
127 15.0 10.3 15.5
129 7.2 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.971 ug/l
 RT: 15.557 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN074661.D
 Acq: 30 Sep 2022 12:20

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	5041
Ion Ratio	Lower	Upper	
180	100		
182	73.5	47.8	143.3
145	18.3	15.5	46.5

