

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041122\
 Data File : VN071947.D
 Acq On : 11 Apr 2022 19:41
 Operator : JC\MD
 Sample : PB143992ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 12 08:42:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

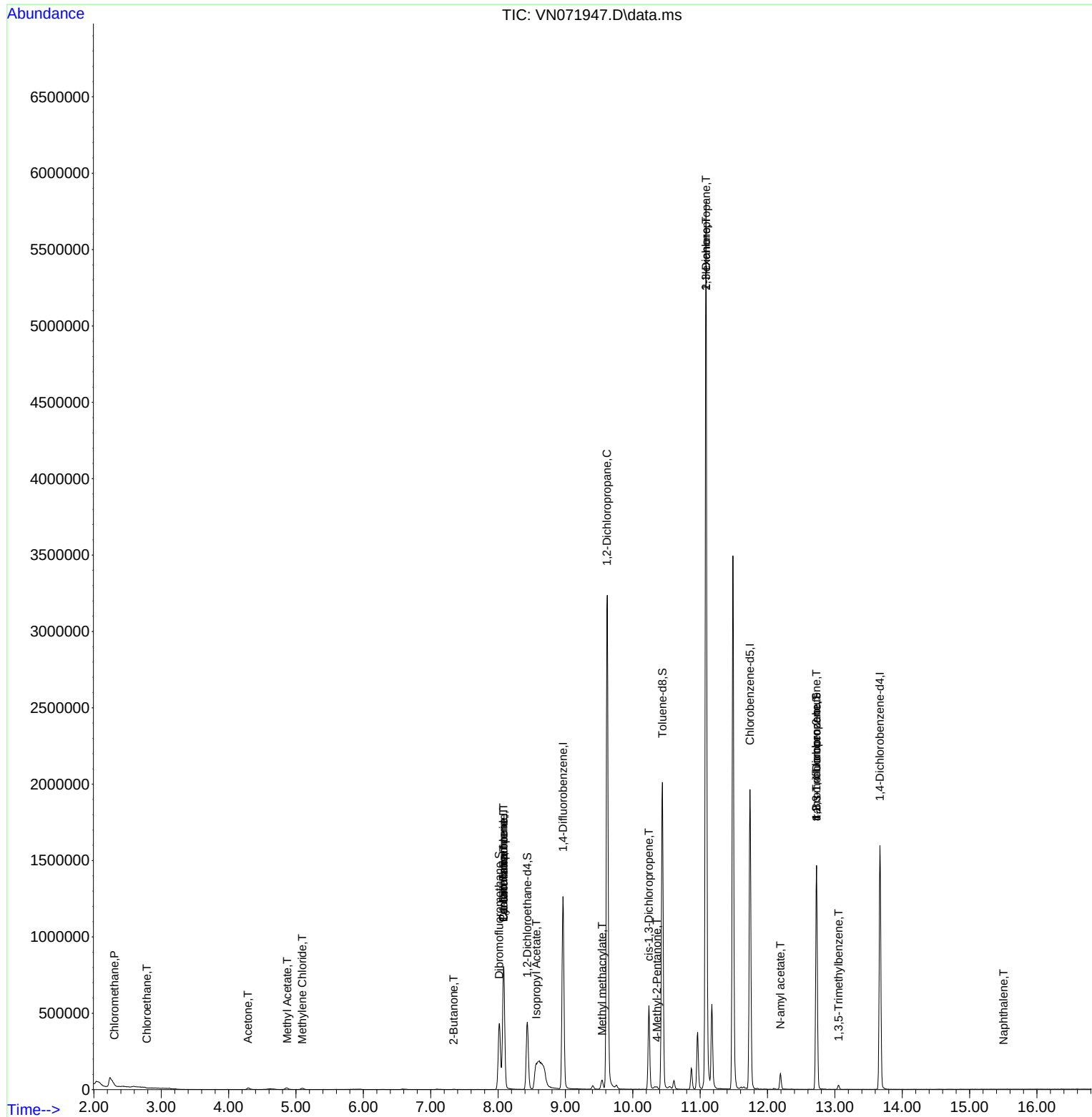
Internal Standards						
1) Pentafluorobenzene	8.081	168	684211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1171261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1234057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	482575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	364385	46.650	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.300%
35) Dibromofluoromethane	8.016	113	332912	48.303	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.600%
50) Toluene-d8	10.439	98	1480947	52.526	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.060%
62) 4-Bromofluorobenzene	12.727	95	528736	57.985	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	115.960%
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	2460	0.357	ug/l #	88
6) Chloroethane	2.787	64	3828	0.703	ug/l #	42
16) Acetone	4.287	43	16353	4.899	ug/l	89
18) Methyl Acetate	4.869	43	24280	1.468	ug/l	99
20) Methylene Chloride	5.093	84	6964	0.990	ug/l	98
25) 2-Butanone	7.340	43	3647	0.758	ug/l #	87
31) Cyclohexane	8.081	56	10521	0.990	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	44033	4.575	ug/l #	48
38) Carbon Tetrachloride	8.081	117	61603	6.531	ug/l #	17
43) Isopropyl Acetate	8.569	43	163653	9.340	ug/l #	73
45) 1,2-Dichloropropane	9.616	63	4781	0.629	ug/l #	44
48) Methyl methacrylate	9.545	41	15198	2.091	ug/l #	10
49) 1,4-Dioxane	9.616	88	500	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.357	43	23496	2.332	ug/l #	33
54) cis-1,3-Dichloropropene	10.239	75	111011	9.443	ug/l #	58
57) 1,3-Dichloropropane	11.086	76	67230	5.084	ug/l #	42
59) 2-Hexanone	11.086	43	802554	113.150	ug/l #	49
74) N-amyl acetate	12.192	43	29886	2.565	ug/l #	50
76) 1,2,3-Trichloropropane	12.727	75	252021	22.544	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	13158	0.408	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.727	75	252021	69.862	ug/l #	10
95) Naphthalene	15.504	128	255	3.814	ug/l #	69

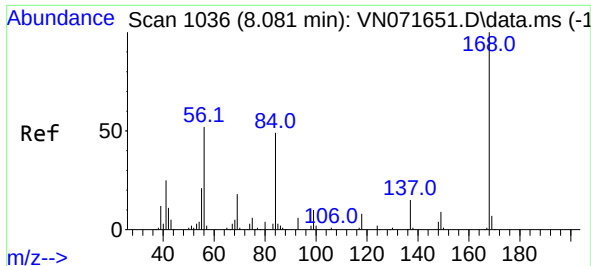
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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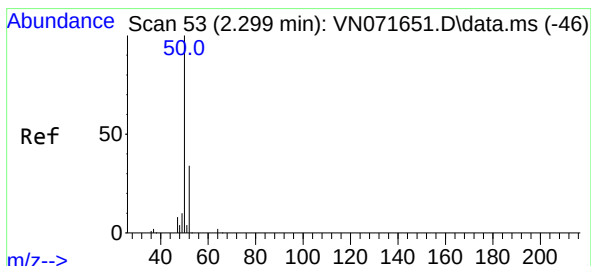
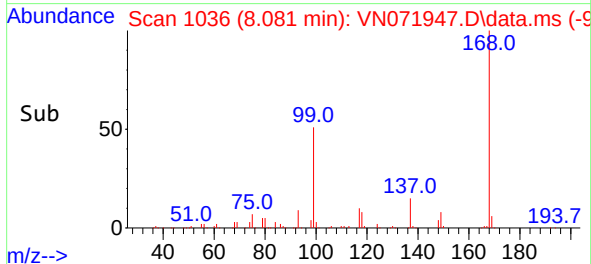
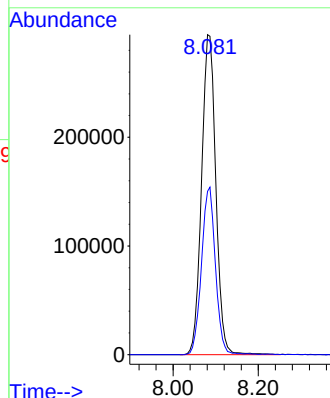
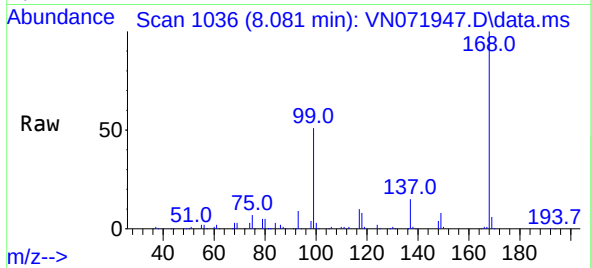




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

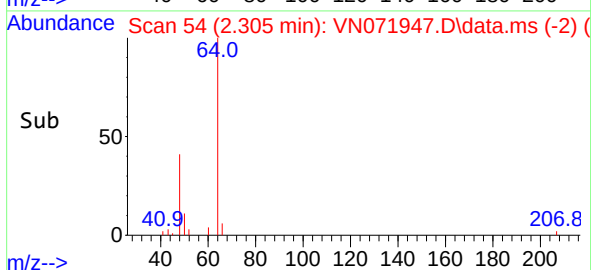
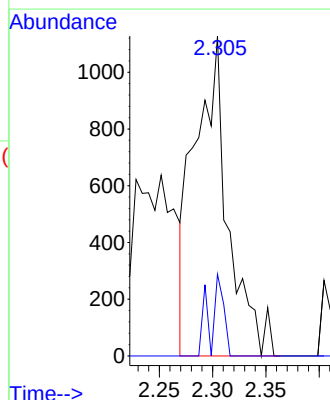
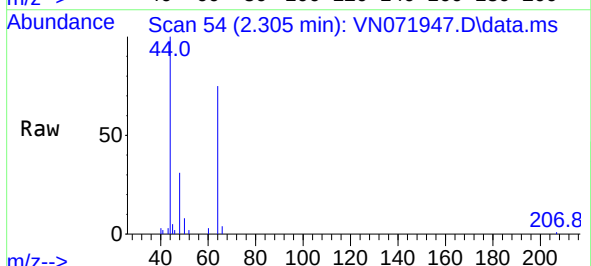
Instrument :
MSVOA_N
ClientSampleId :

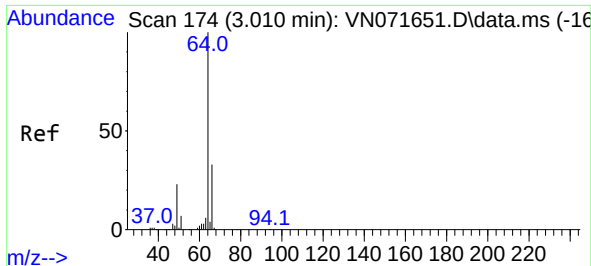
Tgt Ion:168 Resp: 684211
Ion Ratio Lower Upper
168 100
99 51.1 42.3 63.5



#3
Chloromethane
Concen: 0.357 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

Tgt Ion: 50 Resp: 2460
Ion Ratio Lower Upper
50 100
52 25.5 25.7 38.5#

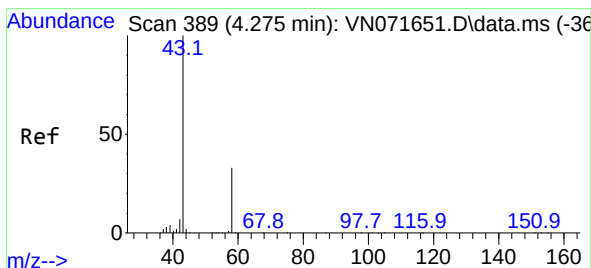
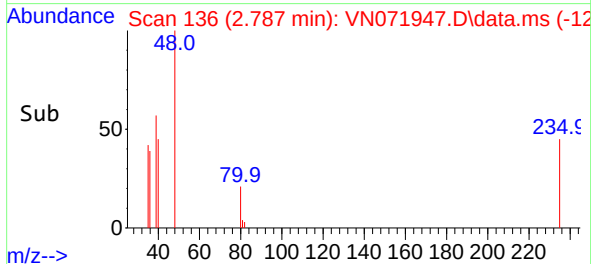
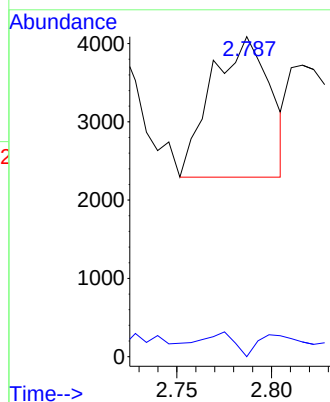
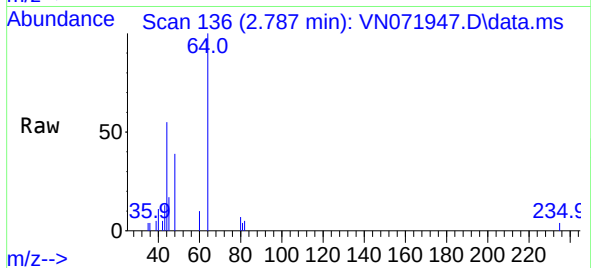




#6
Chloroethane
Concen: 0.703 ug/l
RT: 2.787 min Scan# 11
Delta R.T. -0.223 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

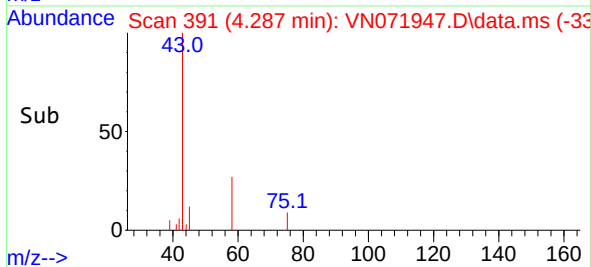
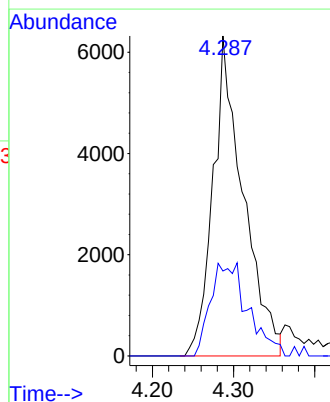
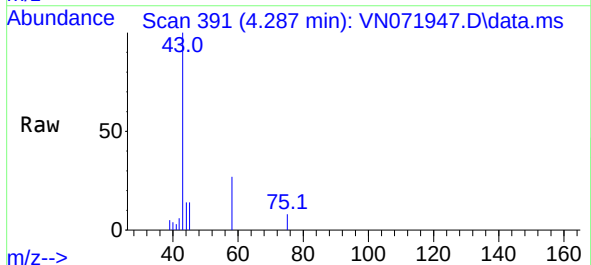
Instrument :
MSVOA_N
ClientSampleId :

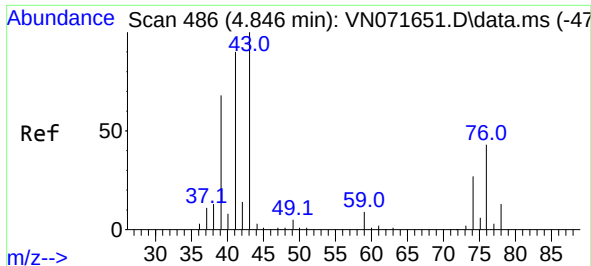
Tgt Ion: 64 Resp: 3828
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 4.899 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

Tgt Ion: 43 Resp: 16353
Ion Ratio Lower Upper
43 100
58 26.5 26.0 39.0





#18

Methyl Acetate

Concen: 1.468 ug/l

RT: 4.869 min Scan# 490

Delta R.T. 0.023 min

Lab File: VN071947.D

Acq: 11 Apr 2022 19:41

Instrument :

MSVOA_N

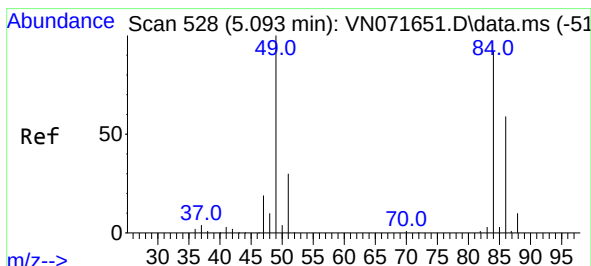
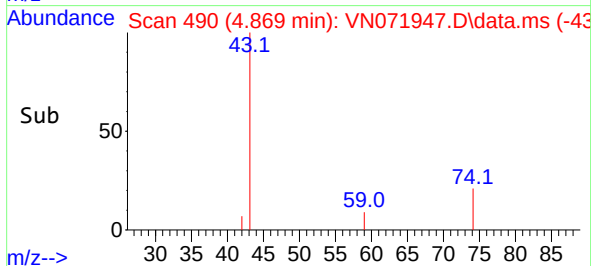
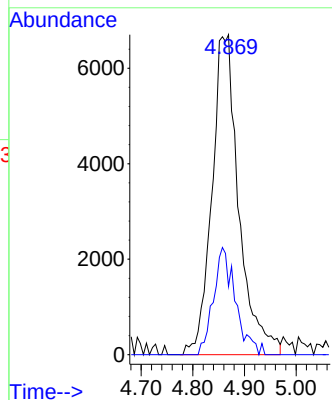
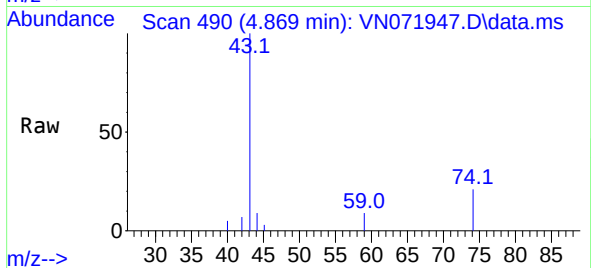
ClientSampleId :

Tgt Ion: 43 Resp: 24280

Ion Ratio Lower Upper

43 100

74 27.4 21.6 32.4



#20

Methylene Chloride

Concen: 0.990 ug/l

RT: 5.093 min Scan# 528

Delta R.T. -0.000 min

Lab File: VN071947.D

Acq: 11 Apr 2022 19:41

Tgt Ion: 84 Resp: 6964

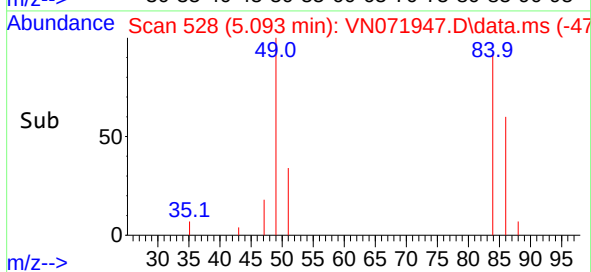
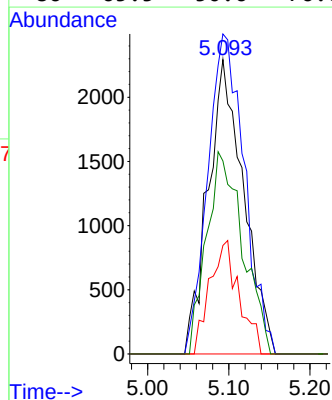
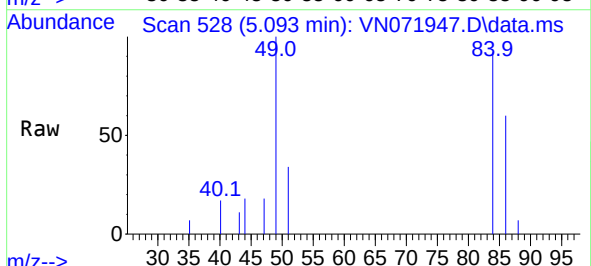
Ion Ratio Lower Upper

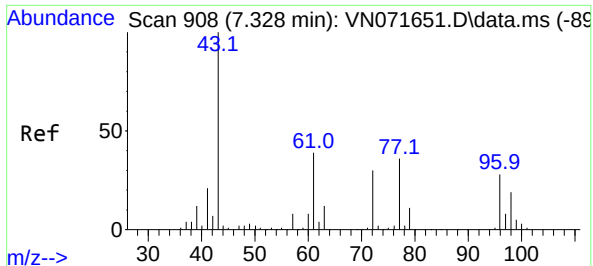
84 100

49 108.7 88.3 132.5

51 36.8 28.2 42.2

86 65.5 50.6 76.0

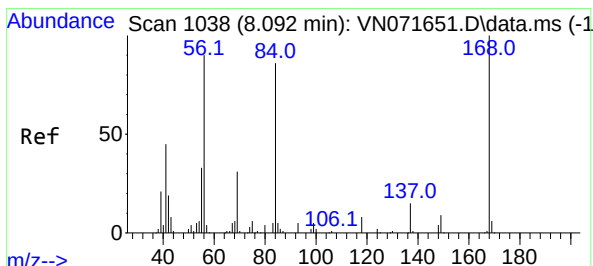
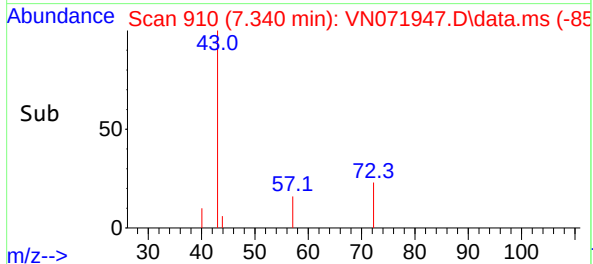
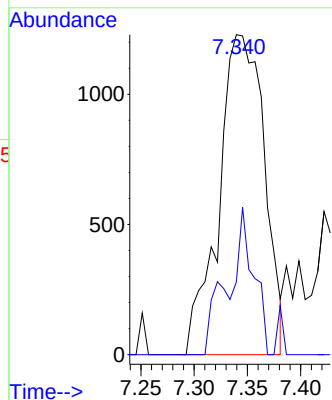
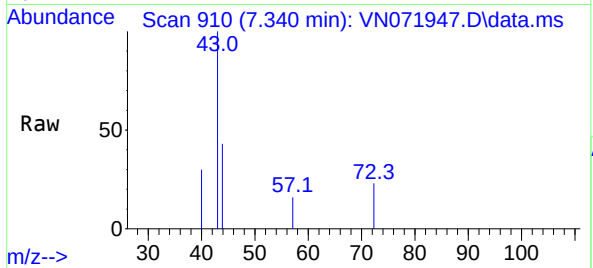




#25
2-Butanone
Concen: 0.758 ug/l
RT: 7.340 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

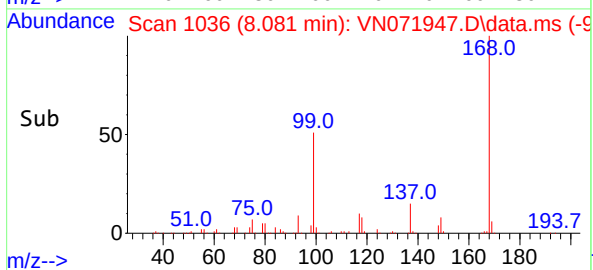
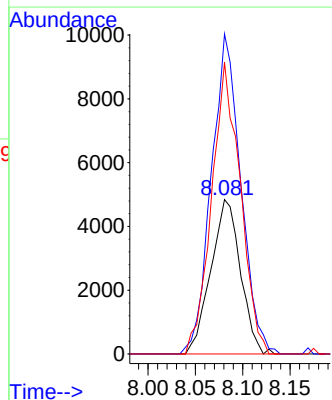
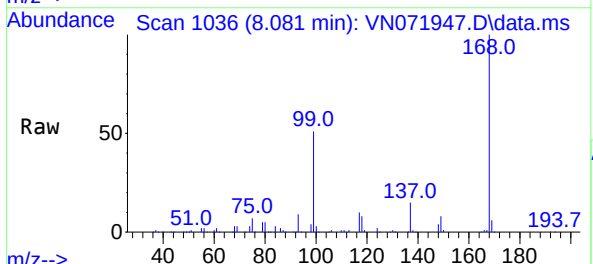
Instrument :
MSVOA_N
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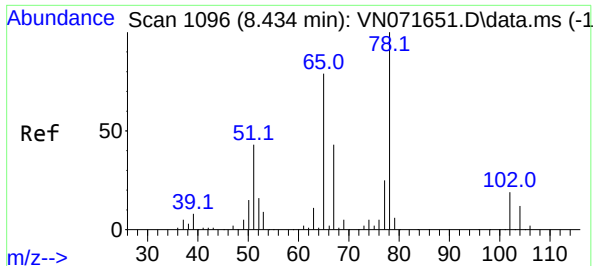
Tgt Ion: 43 Resp: 3647
Ion Ratio Lower Upper
43 100
72 22.7 23.7 35.5#



#31
Cyclohexane
Concen: 0.990 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

Tgt Ion: 56 Resp: 10521
Ion Ratio Lower Upper
56 100
69 207.2 27.8 41.8#
84 188.9 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.650 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071947.D

Acq: 11 Apr 2022 19:41

Instrument :

MSVOA_N

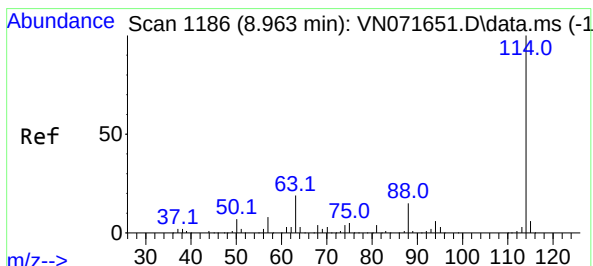
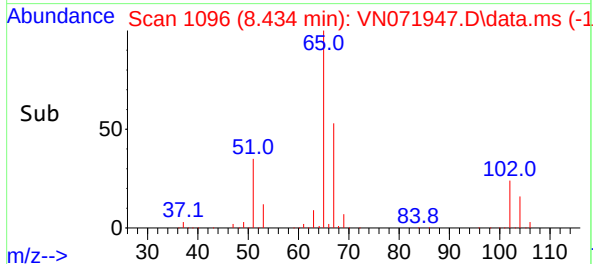
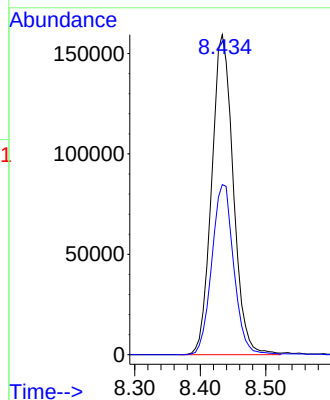
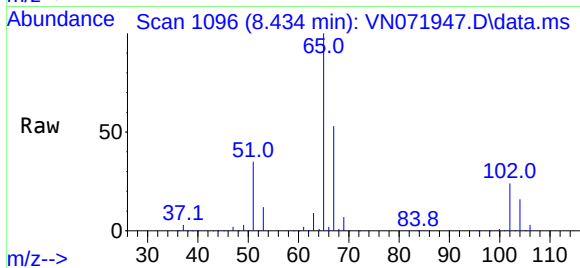
ClientSampleId :

Tgt Ion: 65 Resp: 364385

Ion Ratio Lower Upper

65 100

67 54.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071947.D

Acq: 11 Apr 2022 19:41

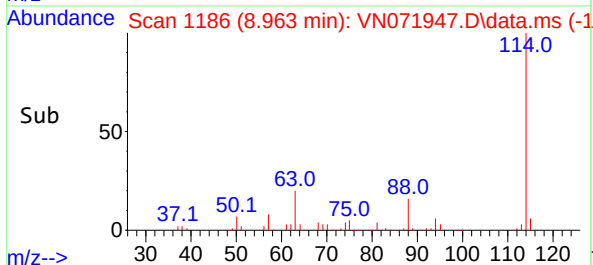
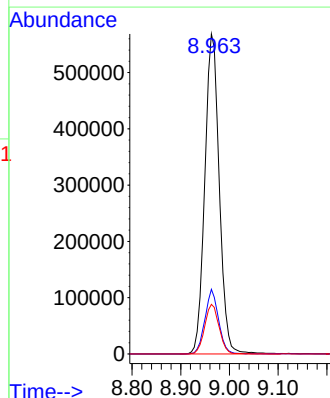
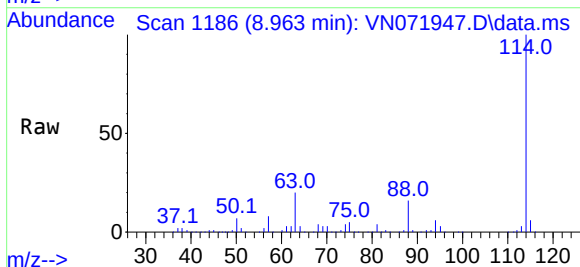
Tgt Ion:114 Resp: 1171261

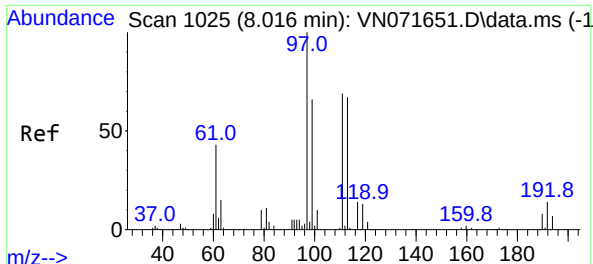
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

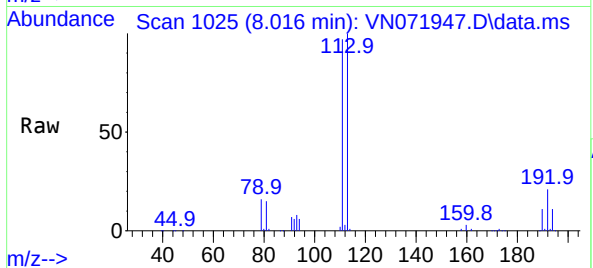
88 15.5 0.0 32.6



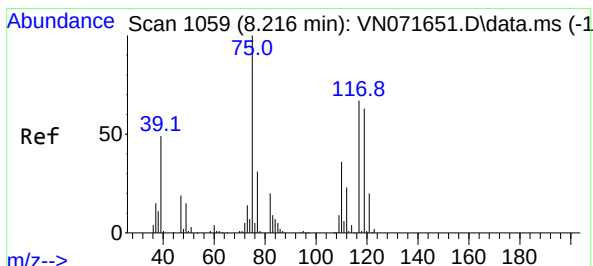
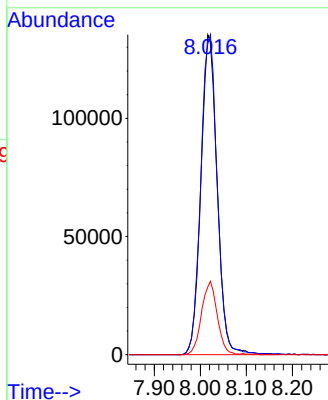
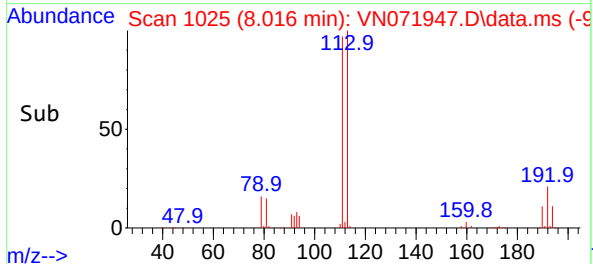


#35
Dibromofluoromethane
Concen: 48.303 ug/l
RT: 8.016 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

Instrument :
MSVOA_N
ClientSampleId :

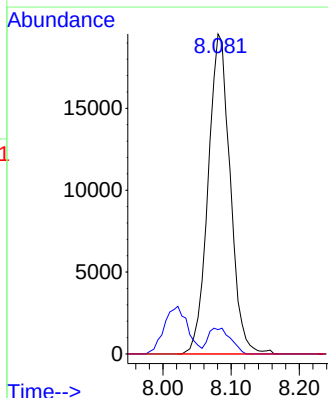
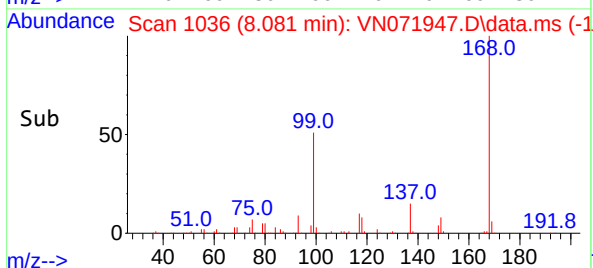
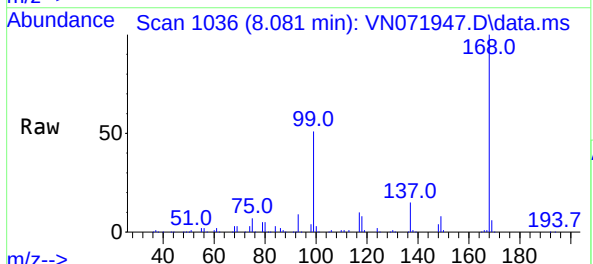


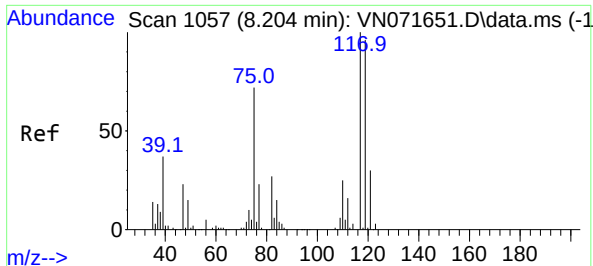
Tgt Ion:113 Resp: 332912
Ion Ratio Lower Upper
113 100
111 101.1 81.4 122.0
192 22.2 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.575 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

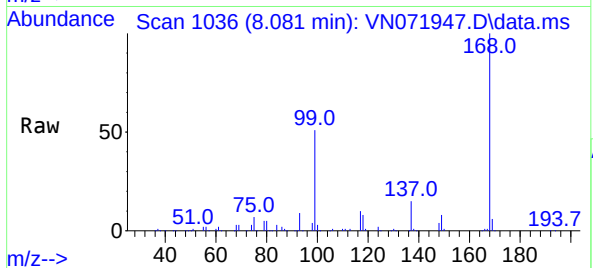
Tgt Ion: 75 Resp: 44033
Ion Ratio Lower Upper
75 100
110 8.2 18.3 54.8#
77 0.0 25.1 37.7#



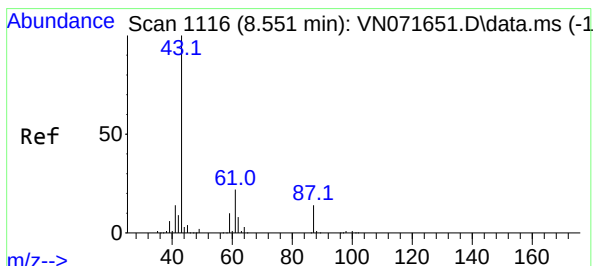
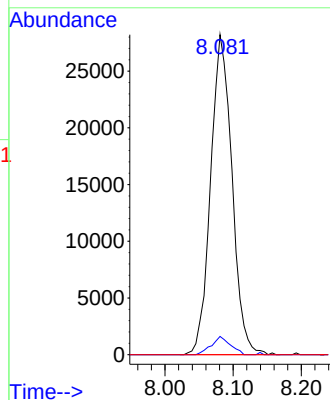
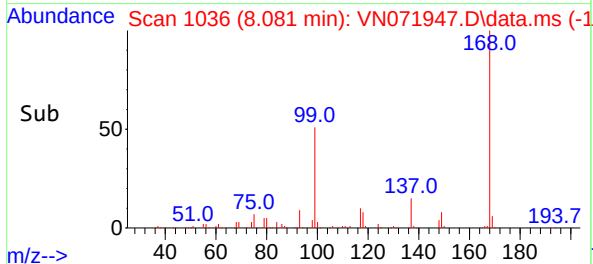


#38
Carbon Tetrachloride
Concen: 6.531 ug/l
RT: 8.081 min Scan# 1119
Delta R.T. -0.123 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

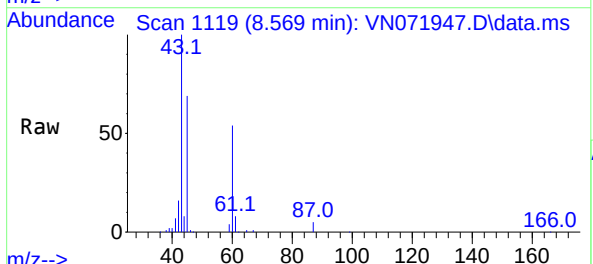
Instrument :
MSVOA_N
ClientSampleId :



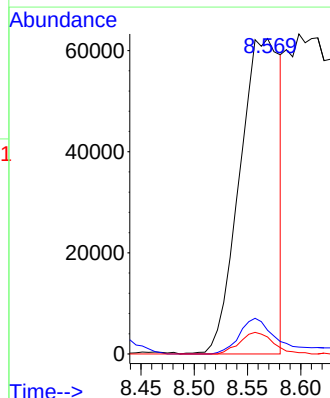
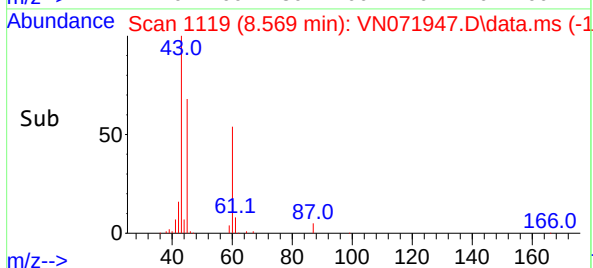
Tgt Ion:117 Resp: 61603
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 24.6 37.0#

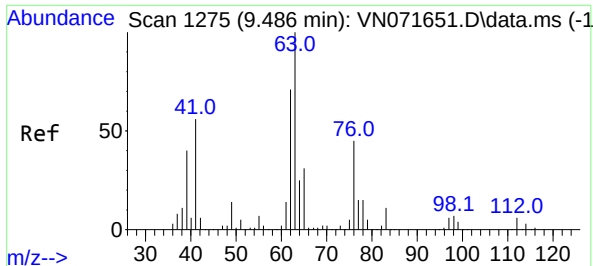


#43
Isopropyl Acetate
Concen: 9.340 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.018 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41



Tgt Ion: 43 Resp: 163653
Ion Ratio Lower Upper
43 100
61 12.0 21.9 32.9#
87 5.7 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.629 ug/l

RT: 9.616 min Scan# 11

Delta R.T. 0.130 min

Lab File: VN071947.D

Acq: 11 Apr 2022 19:41

Instrument :

MSVOA_N

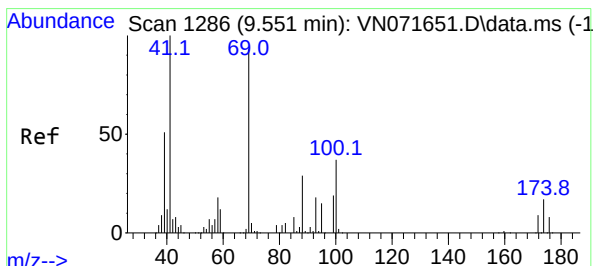
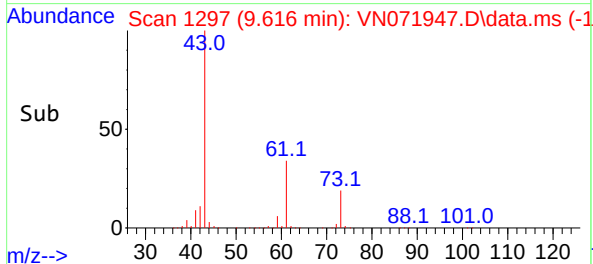
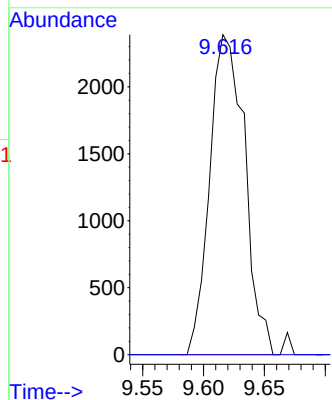
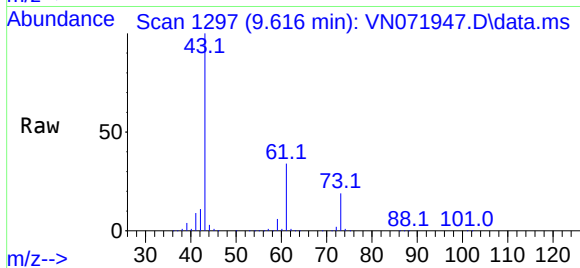
ClientSampleId :

Tgt Ion: 63 Resp: 4781

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.091 ug/l

RT: 9.545 min Scan# 1285

Delta R.T. -0.006 min

Lab File: VN071947.D

Acq: 11 Apr 2022 19:41

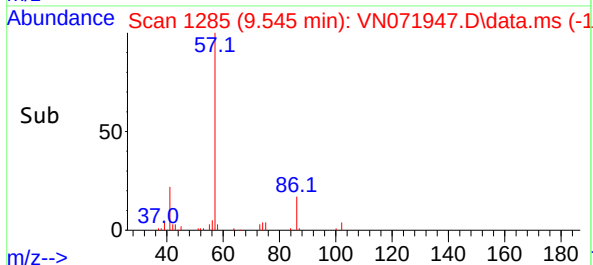
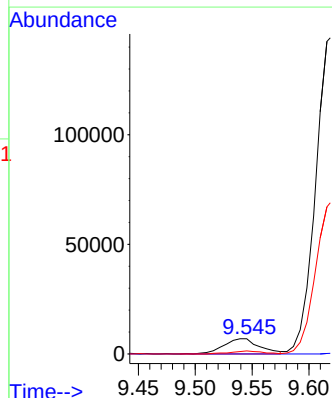
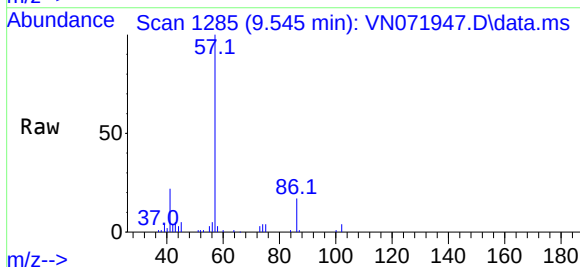
Tgt Ion: 41 Resp: 15198

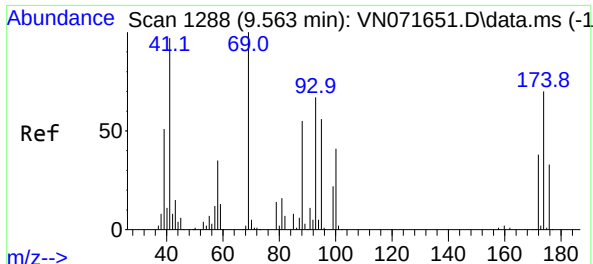
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

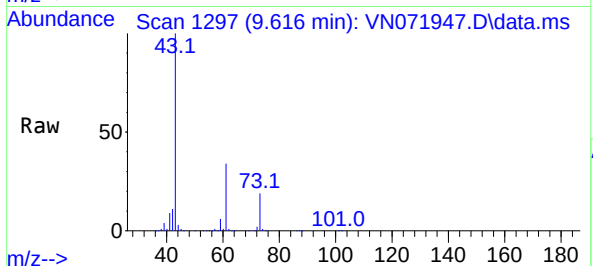
39 0.0 45.6 68.4#



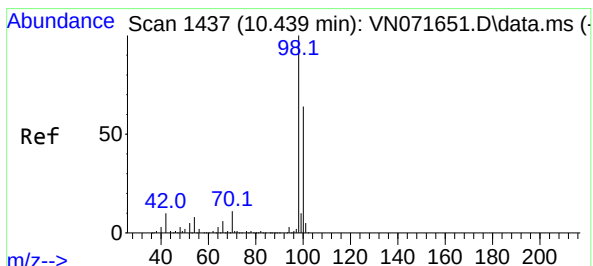
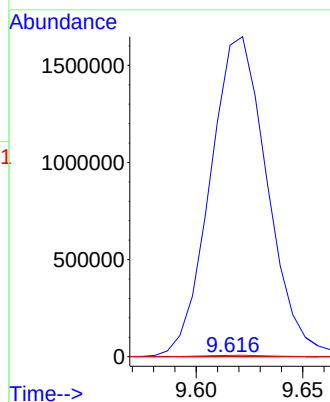
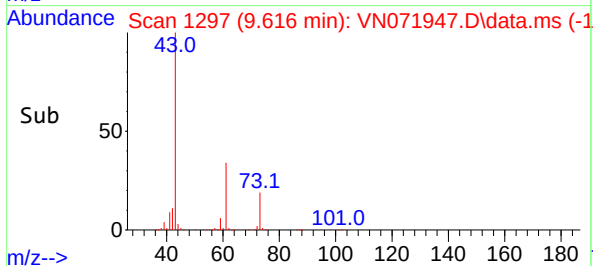


#49
1,4-Dioxane
Concen: Below Cal
RT: 9.616 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

Instrument :
MSVOA_N
ClientSampleId :

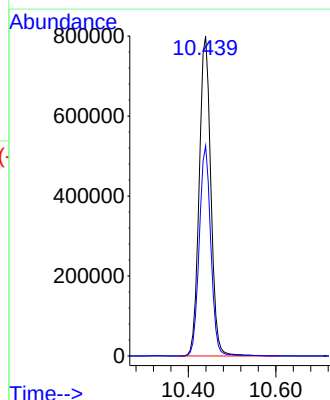
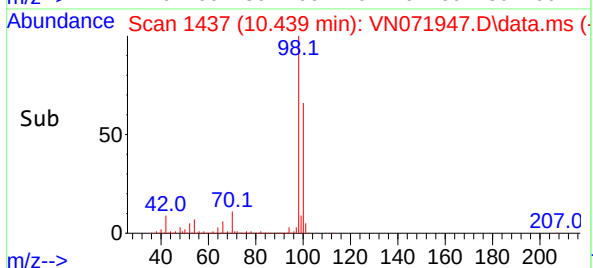
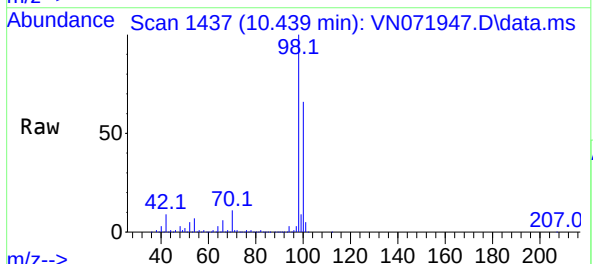


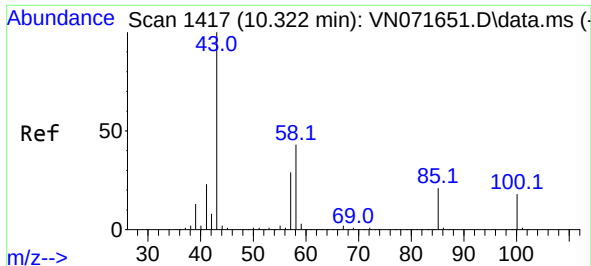
Tgt Ion: 88 Resp: 500
Ion Ratio Lower Upper
88 100
43 627810.8 20.2 30.4#
58 3094.8 54.2 81.4#



#50
Toluene-d8
Concen: 52.526 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

Tgt Ion: 98 Resp: 1480947
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8

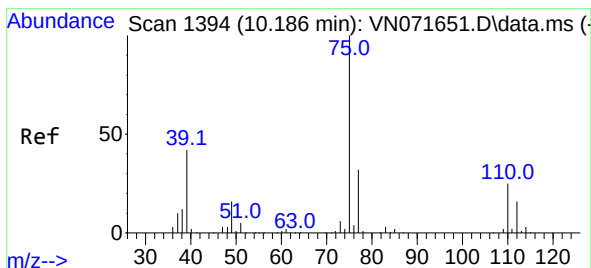
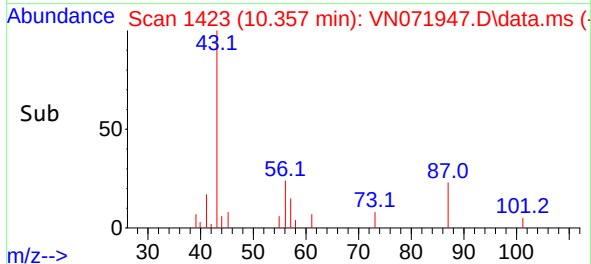
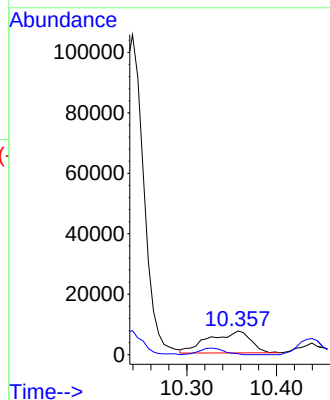
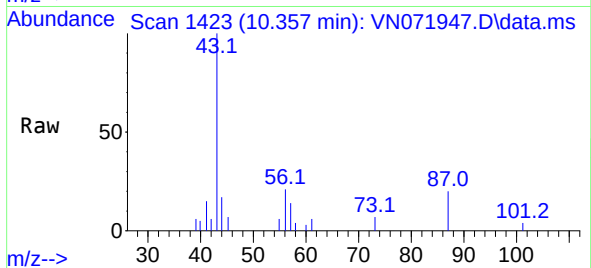




#51
4-Methyl-2-Pentanone
Concen: 2.332 ug/l
RT: 10.357 min Scan# 1417
Delta R.T. 0.035 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

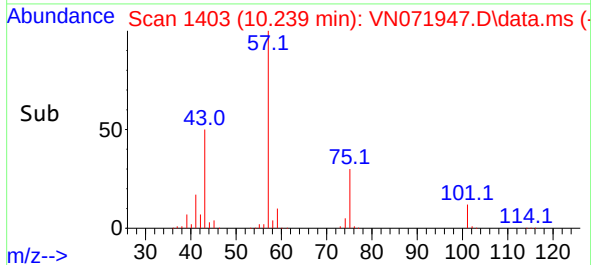
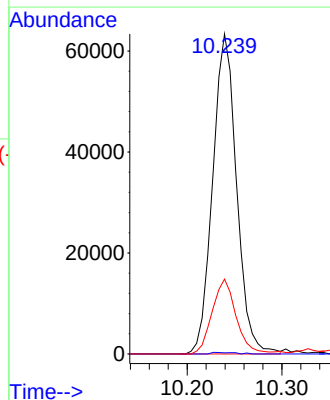
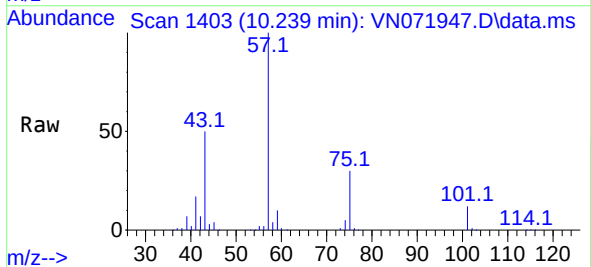
Instrument :
MSVOA_N
ClientSampleId :

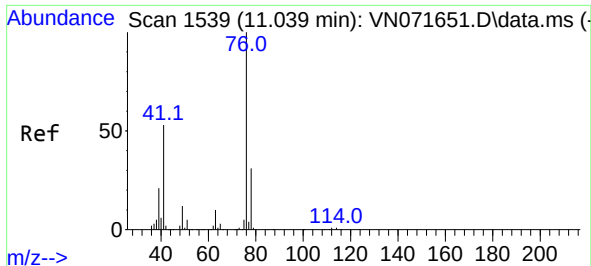
Tgt Ion: 43 Resp: 23496
Ion Ratio Lower Upper
43 100
58 0.0 34.1 51.1#



#54
cis-1,3-Dichloropropene
Concen: 9.443 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

Tgt Ion: 75 Resp: 111011
Ion Ratio Lower Upper
75 100
77 0.3 25.2 37.8#
39 23.4 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 5.084 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071947.D

Acq: 11 Apr 2022 19:41

Instrument :

MSVOA_N

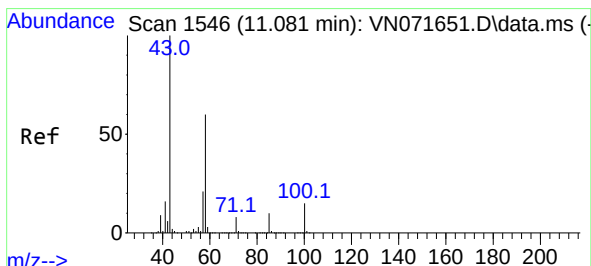
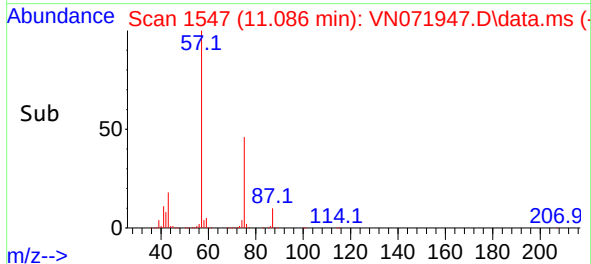
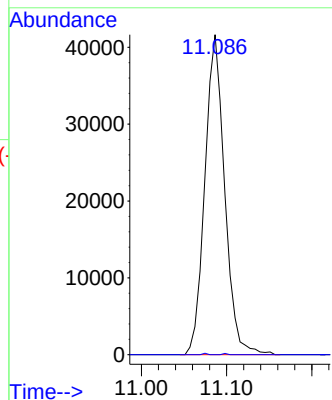
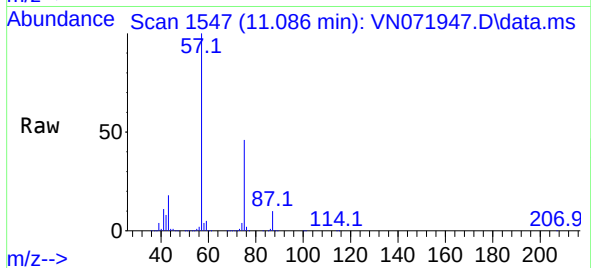
ClientSampleId :

Tgt Ion: 76 Resp: 67230

Ion Ratio Lower Upper

76 100

78 0.1 26.2 39.2#



#59

2-Hexanone

Concen: 113.150 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN071947.D

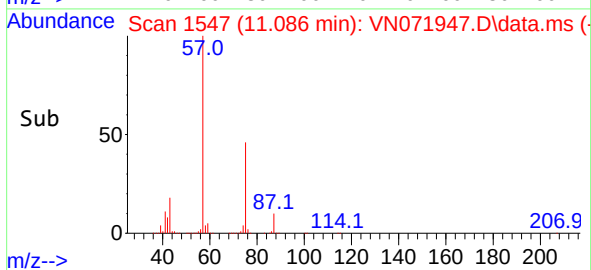
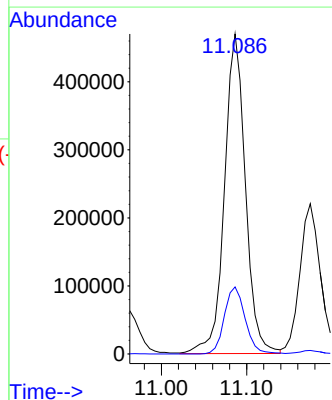
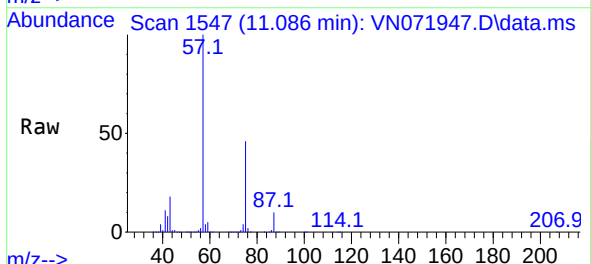
Acq: 11 Apr 2022 19:41

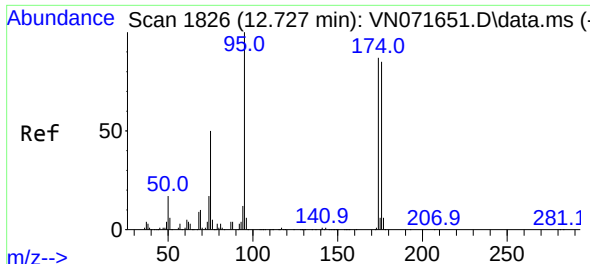
Tgt Ion: 43 Resp: 802554

Ion Ratio Lower Upper

43 100

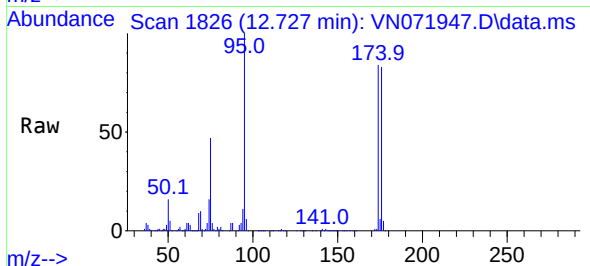
58 20.8 29.7 89.1#



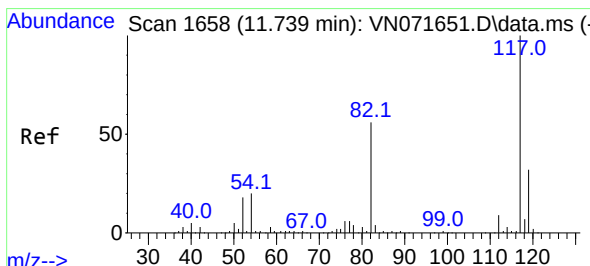
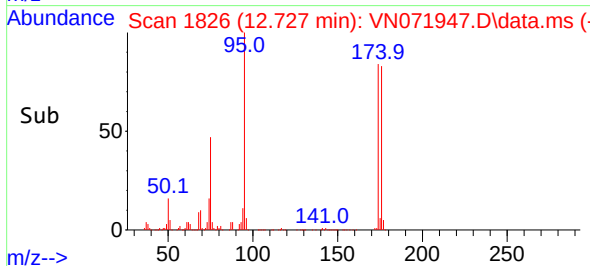
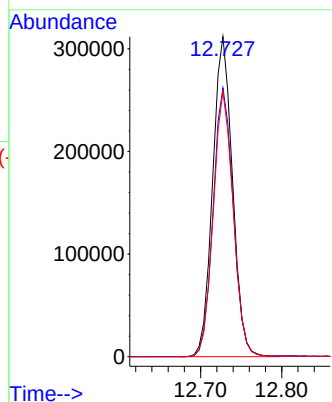


#62
4-Bromofluorobenzene
Concen: 57.985 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

Instrument :
MSVOA_N
ClientSampleId :

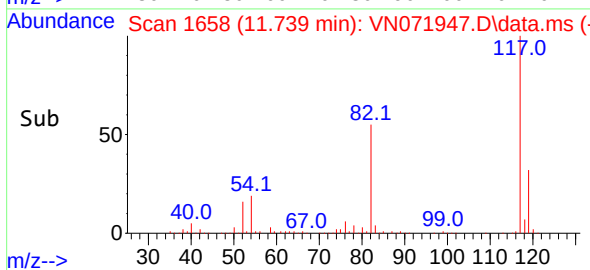
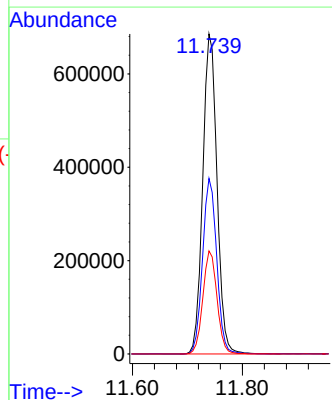
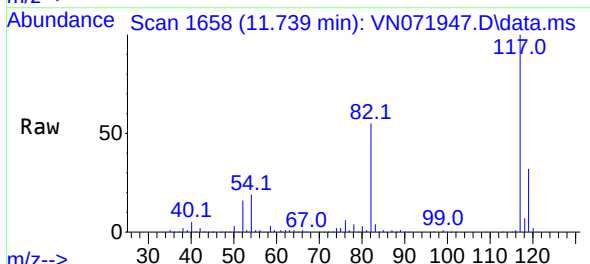


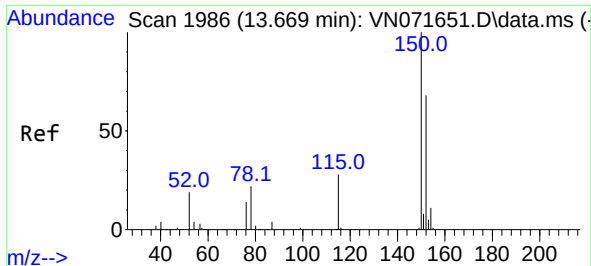
Tgt Ion: 95 Resp: 528736
Ion Ratio Lower Upper
95 100
174 85.3 0.0 167.6
176 83.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

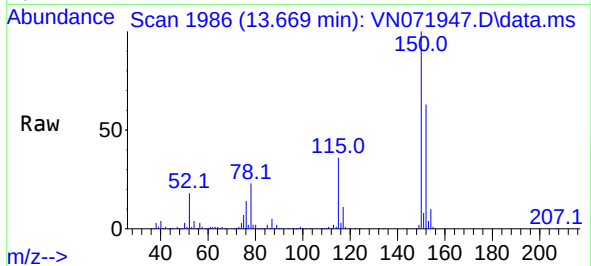
Tgt Ion: 117 Resp: 1234057
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 32.2 25.4 38.0



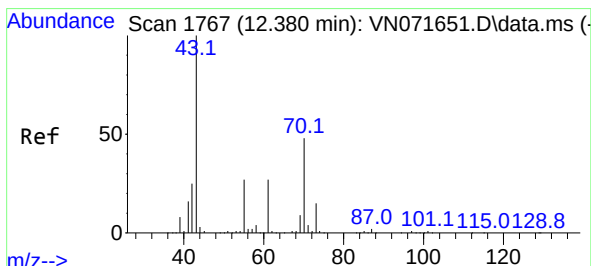
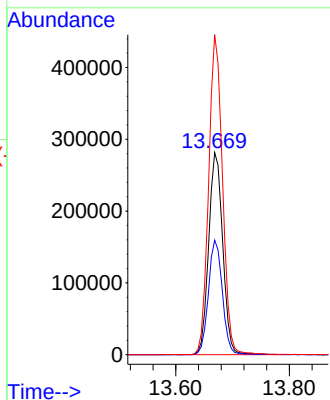
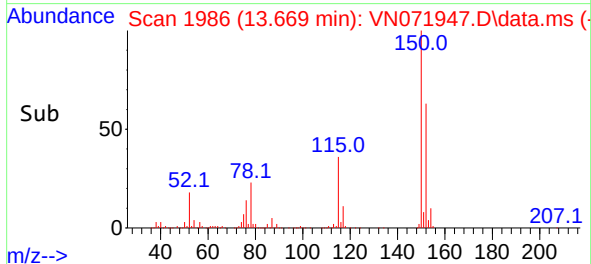


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

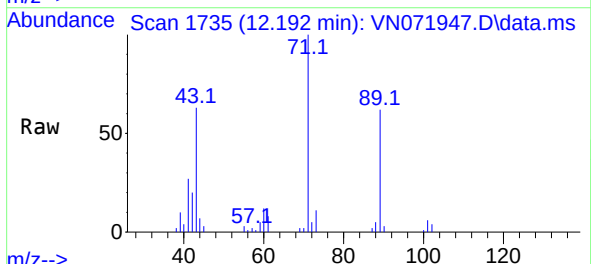
Instrument :
MSVOA_N
ClientSampleId :



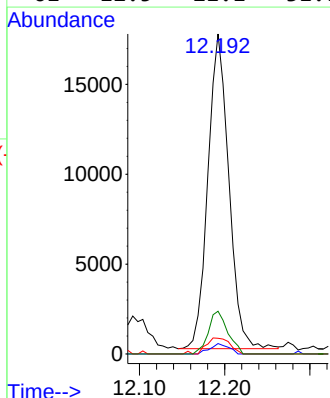
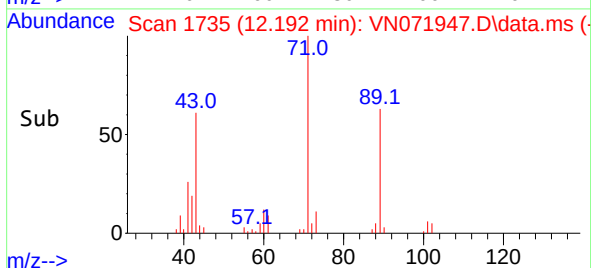
Tgt Ion:152 Resp: 482575
Ion Ratio Lower Upper
152 100
115 56.0 28.9 86.7
150 155.9 0.0 356.2

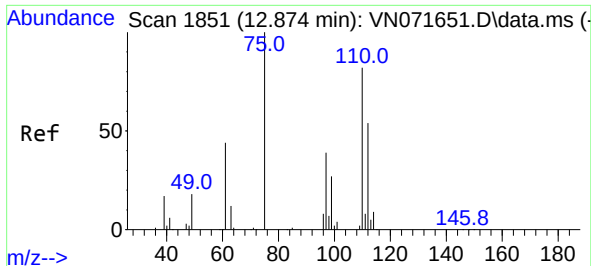


#74
N-ethyl acetate
Concen: 2.565 ug/l
RT: 12.192 min Scan# 1735
Delta R.T. -0.188 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41



Tgt Ion: 43 Resp: 29886
Ion Ratio Lower Upper
43 100
70 2.9 39.0 58.4#
55 5.8 21.1 31.7#
61 12.5 21.1 31.7#

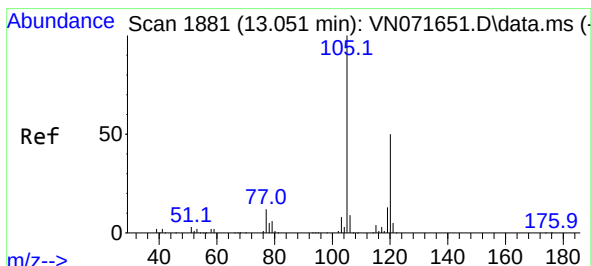
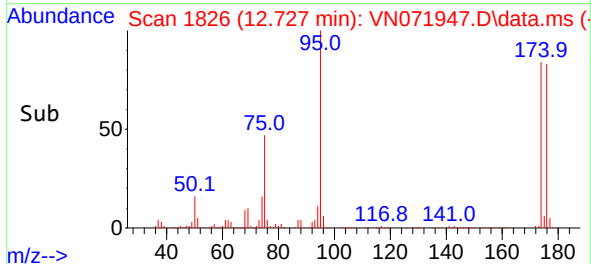
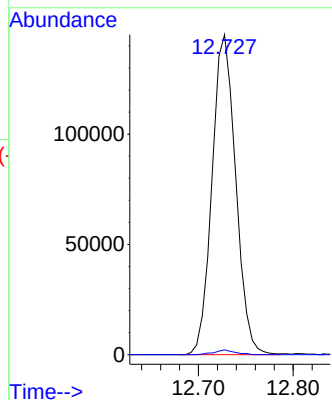
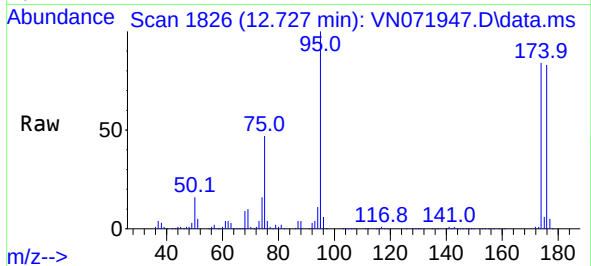




#76
1,2,3-Trichloropropane
Concen: 22.544 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

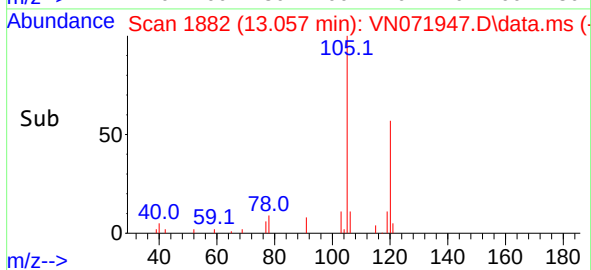
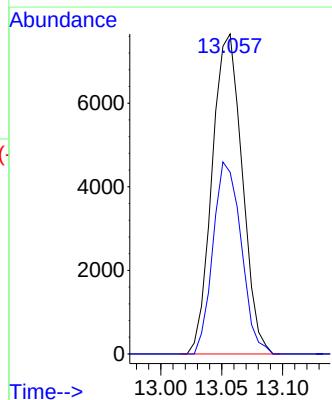
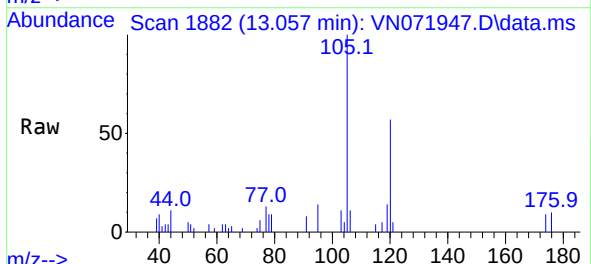
Instrument :
MSVOA_N
ClientSampleId :

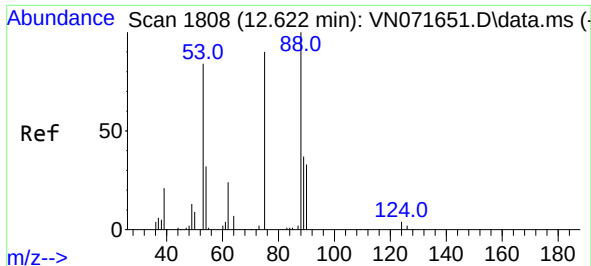
Tgt Ion: 75 Resp: 252021
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.408 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

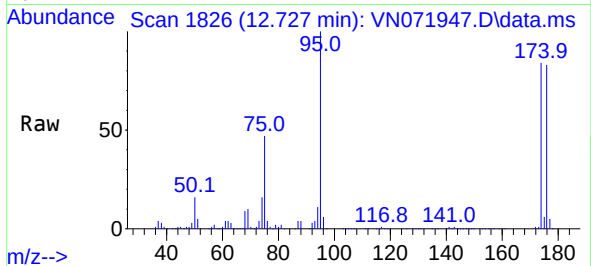
Tgt Ion: 105 Resp: 13158
Ion Ratio Lower Upper
105 100
120 56.2 24.9 74.7



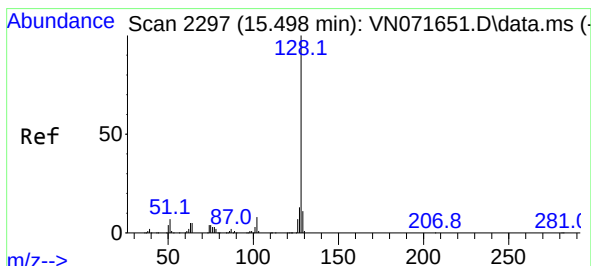
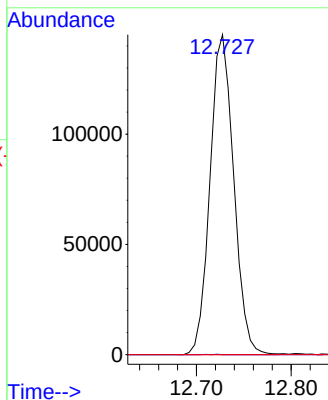
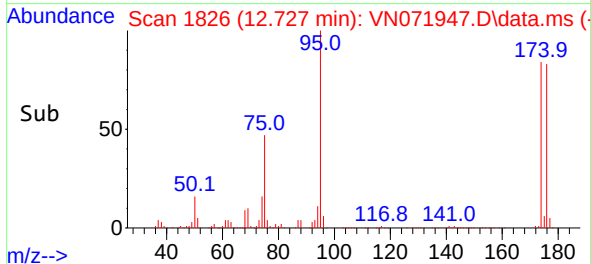


#81
trans-1,4-Dichloro-2-butene
Concen: 69.862 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41

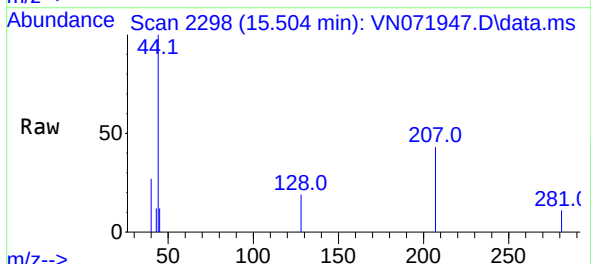
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 252021
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.814 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071947.D
Acq: 11 Apr 2022 19:41



Tgt Ion:128 Resp: 255
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

