

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032522\
 Data File : VN071544.D
 Acq On : 25 Mar 2022 13:52
 Operator : JC\MD
 Sample : PB143557ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143557ZHE#03

Quant Time: Mar 26 04:01:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

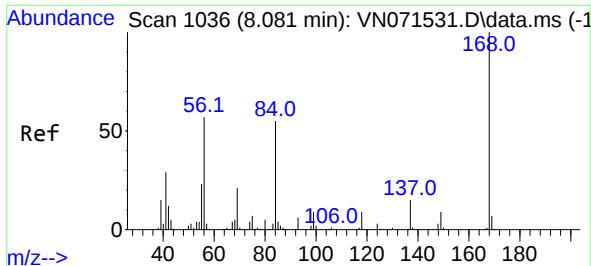
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.081	168	794772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1347137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.740	117	1321484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	470646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	454364	46.015	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.040%		
35) Dibromofluoromethane	8.022	113	376226	44.438	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	88.880%		
50) Toluene-d8	10.440	98	1680252	49.203	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.400%		
62) 4-Bromofluorobenzene	12.728	95	554366	49.544	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.080%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2065	Below Cal	#	84
8) Diethyl Ether	3.822	74	15705	2.919	ug/l	99
11) Tert butyl alcohol	5.322	59	2105	1.144	ug/l #	72
16) Acetone	4.287	43	26503	6.548	ug/l	100
20) Methylene Chloride	5.099	84	13509	1.432	ug/l	96
25) 2-Butanone	7.346	43	6057	0.933	ug/l	92
31) Cyclohexane	8.087	56	14006	0.991	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	57176	4.684	ug/l #	48
38) Carbon Tetrachloride	8.081	117	72729	6.112	ug/l #	17
43) Isopropyl Acetate	8.563	43	112578	4.926	ug/l #	79
45) 1,2-Dichloropropane	9.616	63	5570	0.592	ug/l #	44
48) Methyl methacrylate	9.540	41	18370	1.912	ug/l #	11
49) 1,4-Dioxane	9.616	88	719	3.244	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	12882	0.967	ug/l	99
54) cis-1,3-Dichloropropene	10.240	75	118907	7.986	ug/l #	60
57) 1,3-Dichloropropane	11.087	76	78124	4.816	ug/l #	42
59) 2-Hexanone	11.087	43	1006182	104.777	ug/l #	47
71) Bromoform	12.728	173	3398	0.436	ug/l #	1
74) N-amyl acetate	12.192	43	37509	2.812	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.822	83	56	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.728	75	273997	26.108	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	12003	0.366	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.728	75	273997	69.898	ug/l #	10
95) Naphthalene	15.510	128	2660	3.318	ug/l #	83

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

Quant Time: Mar 26 04:01:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 25 09:52:40 2022
Response via : Initial Calibration

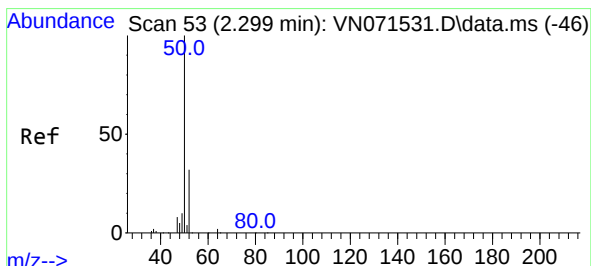
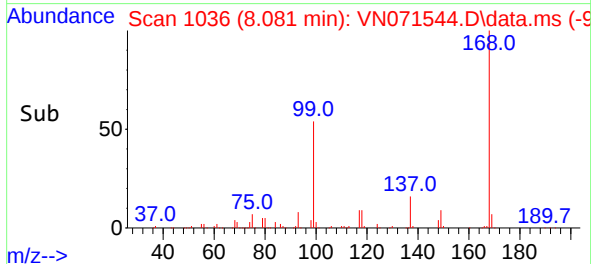
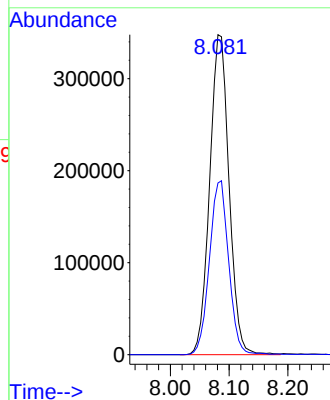
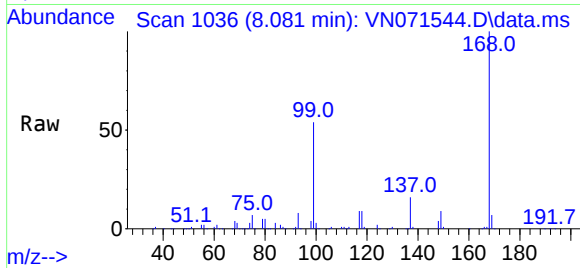




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

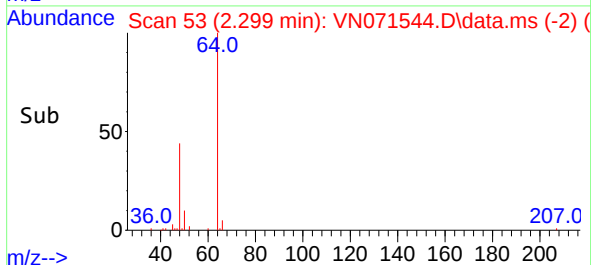
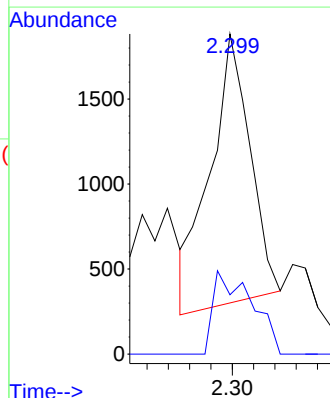
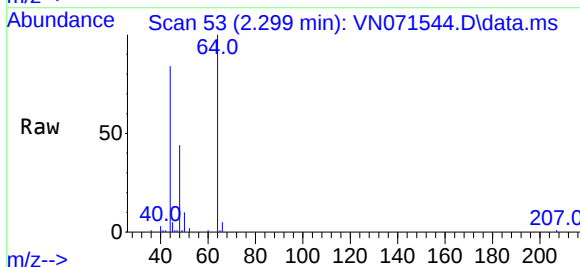
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#03

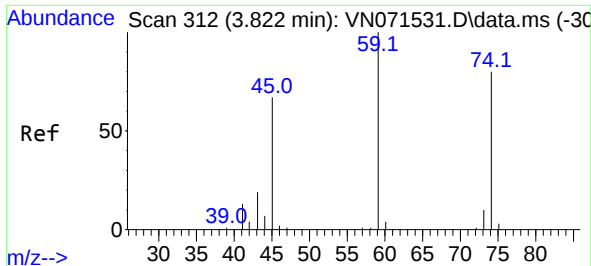
Tgt Ion:168 Resp: 794772
Ion Ratio Lower Upper
168 100
99 53.7 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

Tgt Ion: 50 Resp: 2065
Ion Ratio Lower Upper
50 100
52 23.1 25.7 38.5#

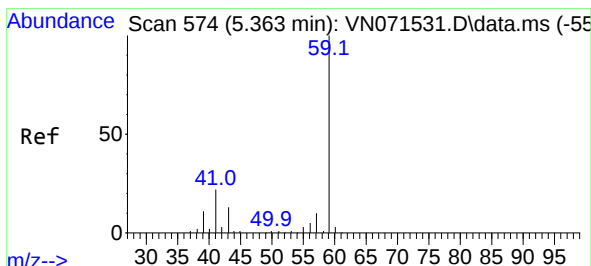
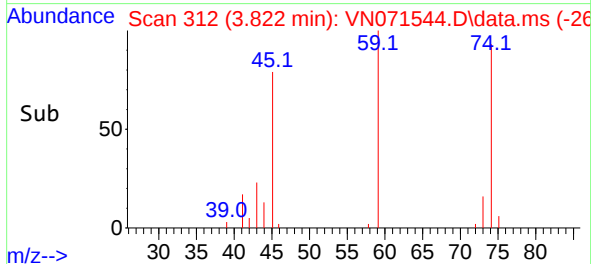
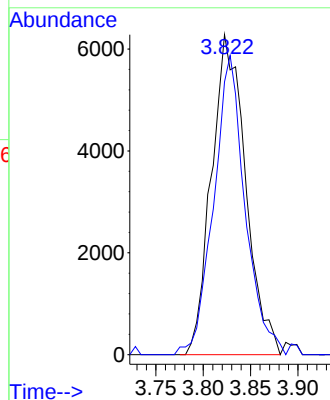
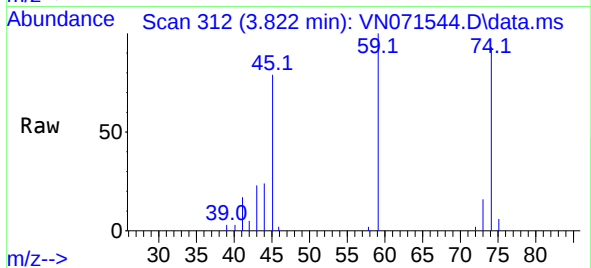




#8
Diethyl Ether
Concen: 2.919 ug/l
RT: 3.822 min Scan# 312
Delta R.T. 0.000 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

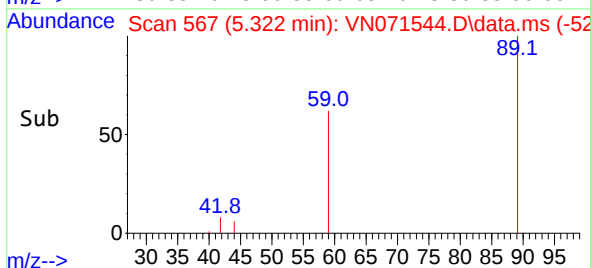
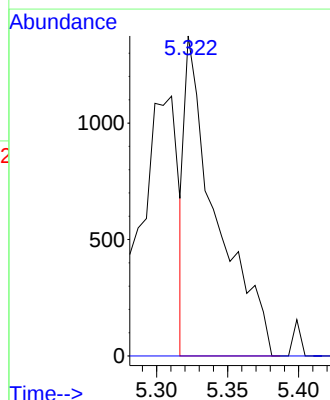
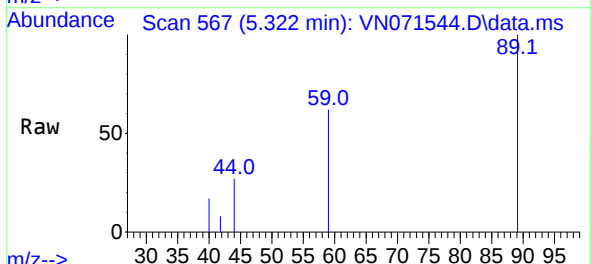
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#03

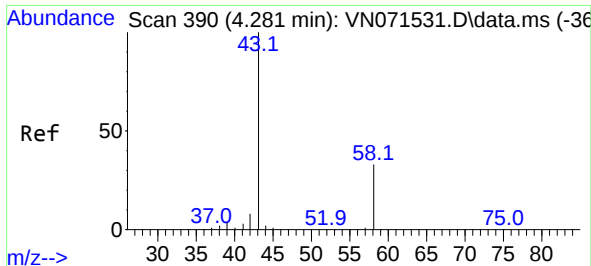
Tgt Ion: 74 Resp: 15705
Ion Ratio Lower Upper
74 100
45 86.3 42.9 128.5



#11
Tert butyl alcohol
Concen: 1.144 ug/l
RT: 5.322 min Scan# 567
Delta R.T. -0.041 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

Tgt Ion: 59 Resp: 2105
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

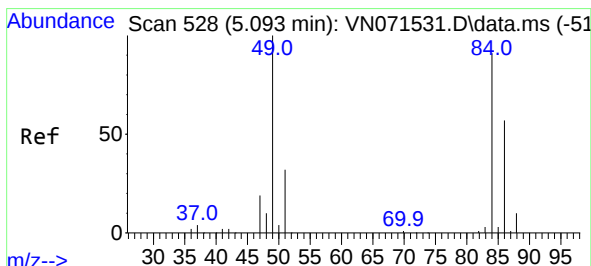
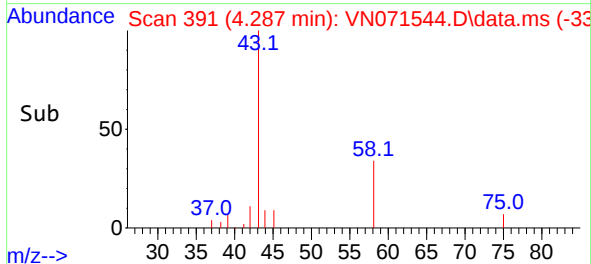
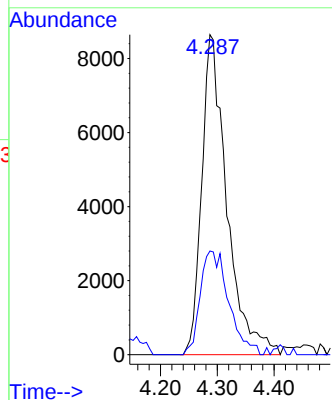
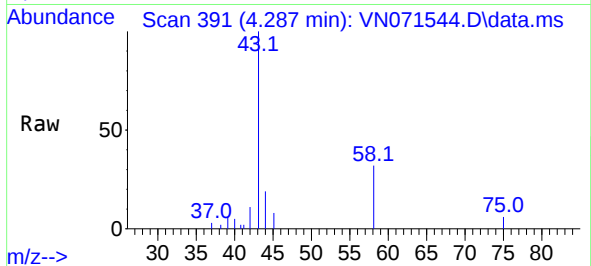




#16
Acetone
Concen: 6.548 ug/l
RT: 4.287 min Scan# 390
Delta R.T. 0.006 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

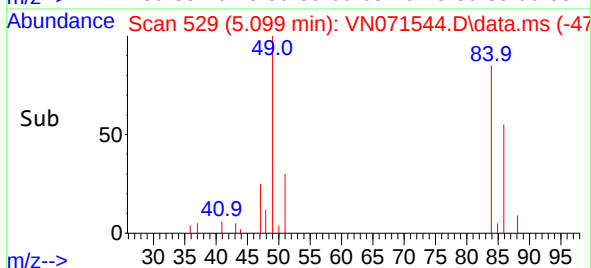
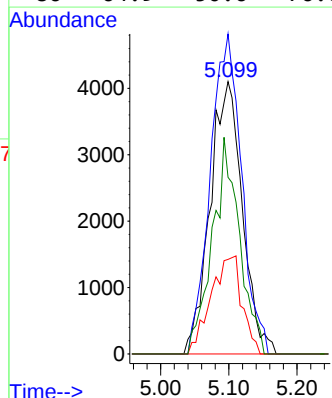
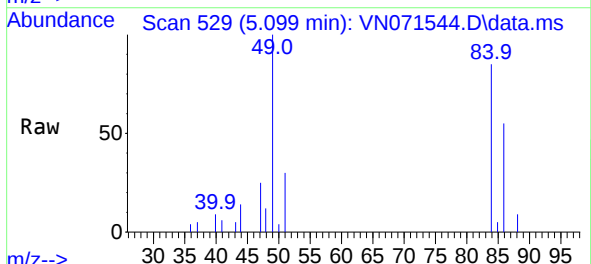
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#03

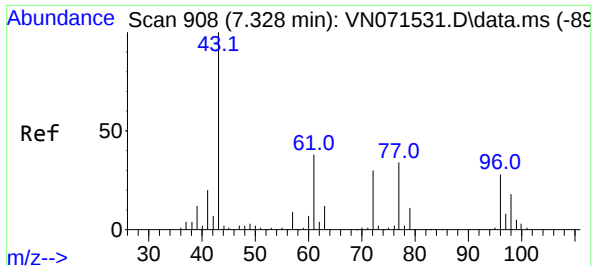
Tgt Ion: 43 Resp: 26503
Ion Ratio Lower Upper
43 100
58 32.4 26.0 39.0



#20
Methylene Chloride
Concen: 1.432 ug/l
RT: 5.099 min Scan# 529
Delta R.T. 0.006 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

Tgt Ion: 84 Resp: 13509
Ion Ratio Lower Upper
84 100
49 117.5 88.3 132.5
51 34.7 28.2 42.2
86 64.9 50.6 76.0





#25

2-Butanone

Concen: 0.933 ug/l

RT: 7.346 min Scan# 911

Delta R.T. 0.018 min

Lab File: VN071544.D

Acq: 25 Mar 2022 13:52

Instrument :

MSVOA_N

ClientSampleId :

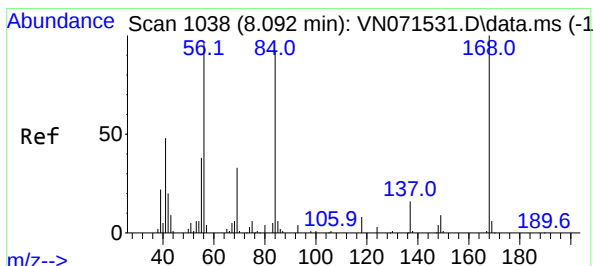
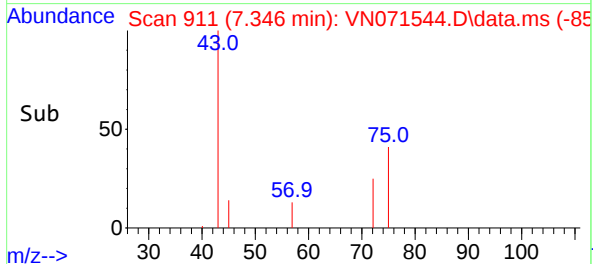
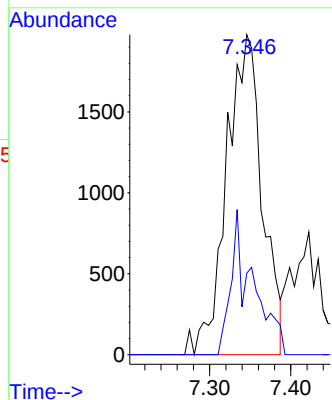
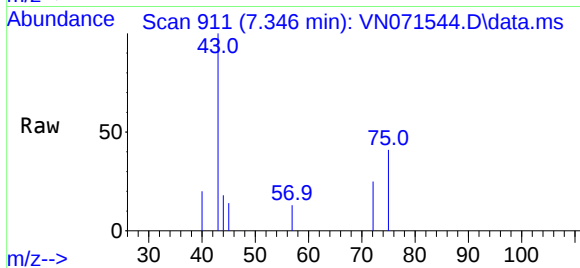
PB143557ZHE#03

Tgt Ion: 43 Resp: 6057

Ion Ratio Lower Upper

43 100

72 25.4 23.7 35.5



#31

Cyclohexane

Concen: 0.991 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071544.D

Acq: 25 Mar 2022 13:52

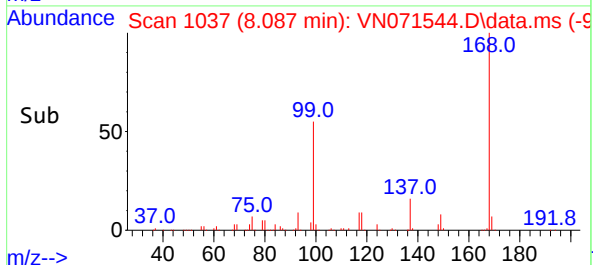
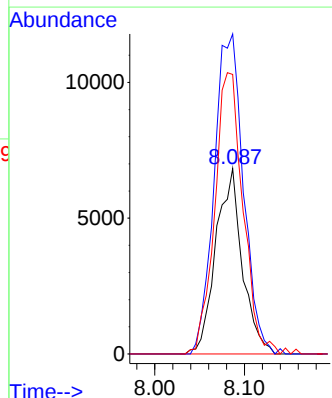
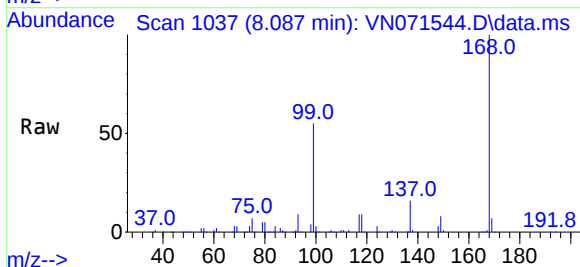
Tgt Ion: 56 Resp: 14006

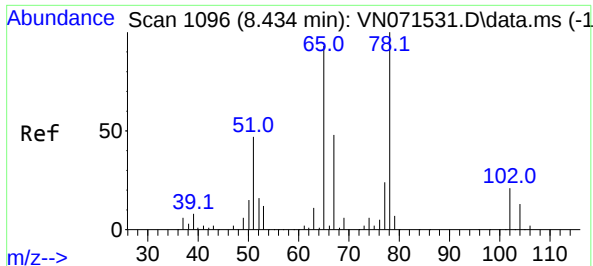
Ion Ratio Lower Upper

56 100

69 172.5 27.8 41.8#

84 150.7 76.9 115.3#

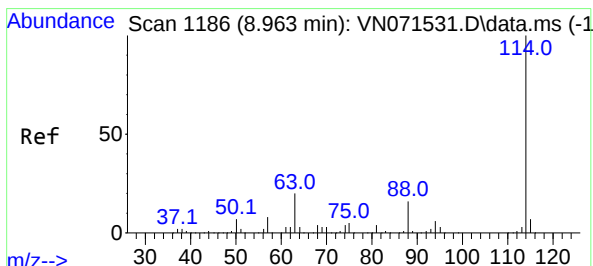
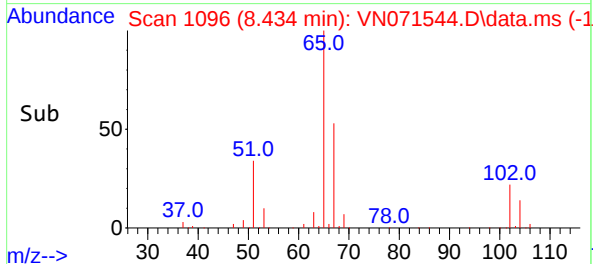
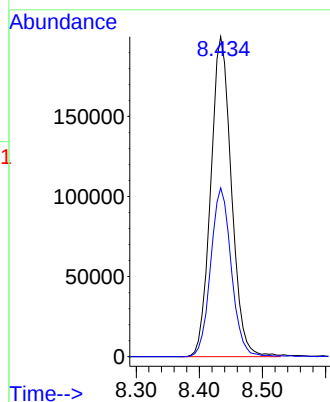
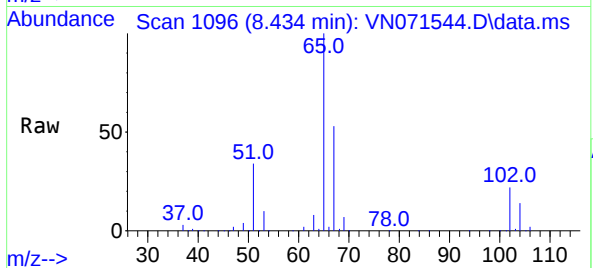




#33
1,2-Dichloroethane-d4
Concen: 46.015 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

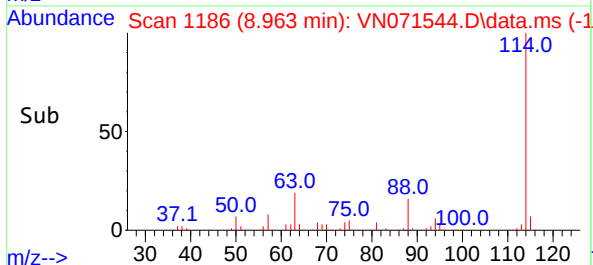
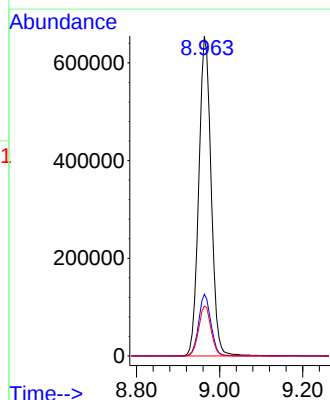
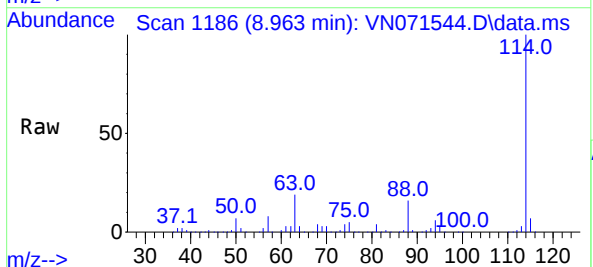
Instrument :
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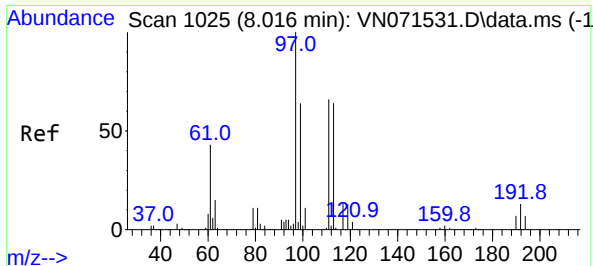
Tgt Ion: 65 Resp: 454364
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

Tgt Ion: 114 Resp: 1347137
Ion Ratio Lower Upper
114 100
63 19.3 0.0 40.0
88 15.6 0.0 32.6

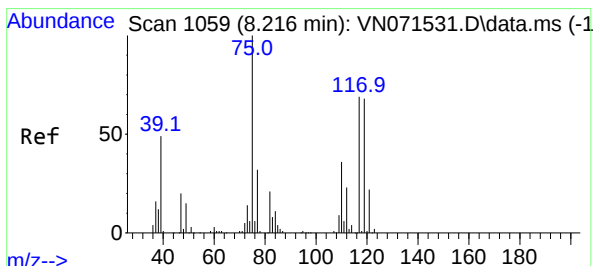
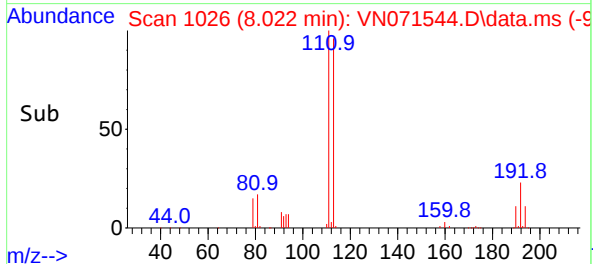
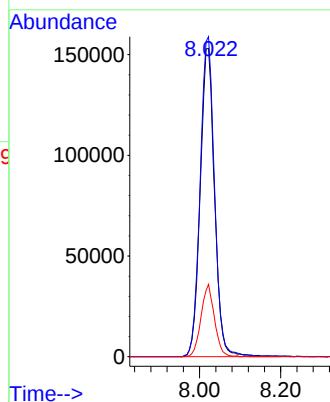
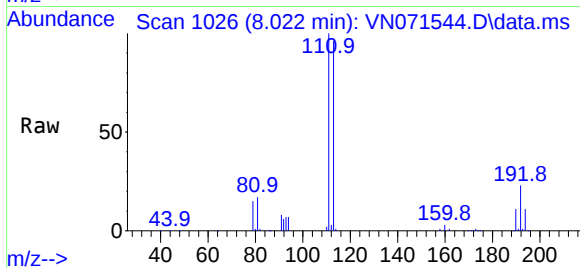




#35
Dibromofluoromethane
Concen: 44.438 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

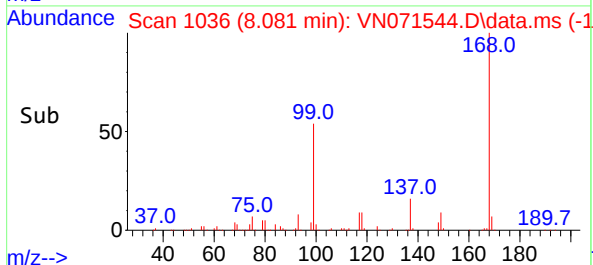
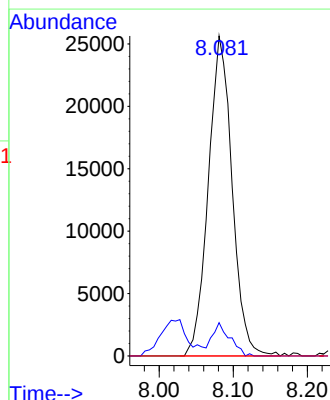
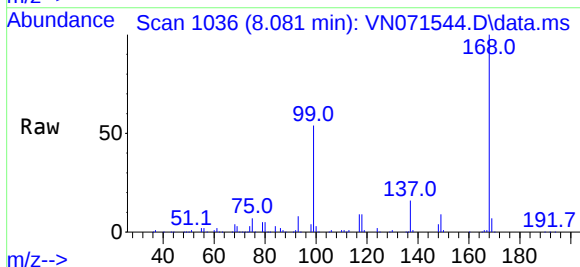
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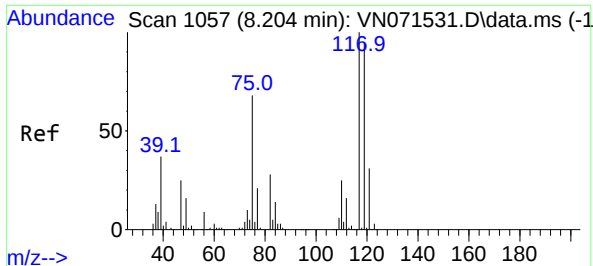
Tgt Ion:113 Resp: 376226
Ion Ratio Lower Upper
113 100
111 104.0 81.4 122.0
192 21.9 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.684 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

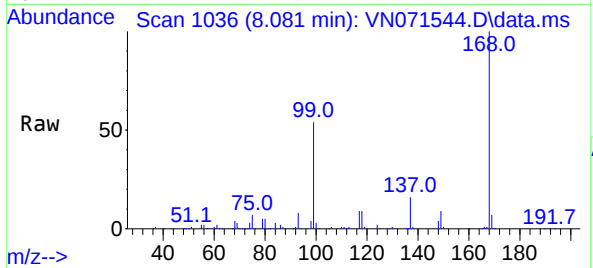
Tgt Ion: 75 Resp: 57176
Ion Ratio Lower Upper
75 100
110 7.6 18.3 54.8#
77 0.0 25.1 37.7#



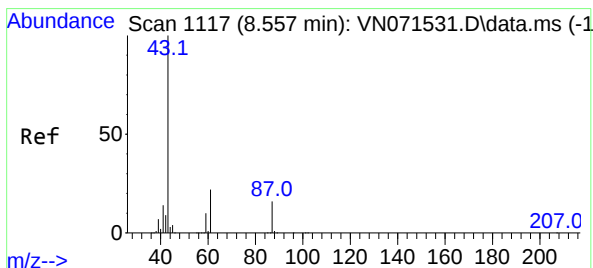
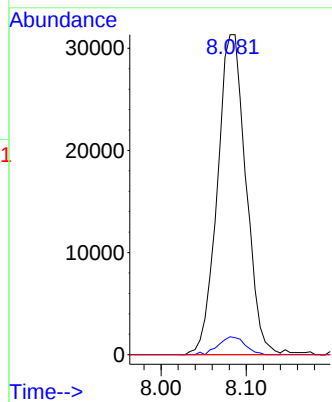
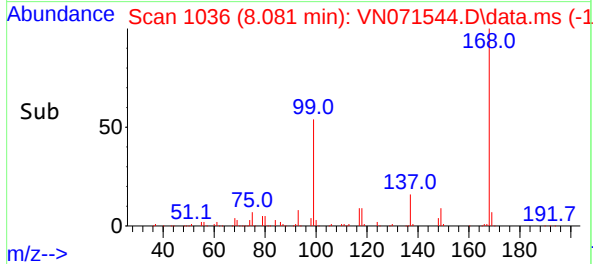


#38
Carbon Tetrachloride
Concen: 6.112 ug/l
RT: 8.081 min Scan# 110
Delta R.T. -0.123 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#03

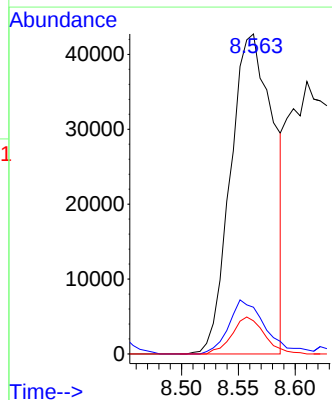
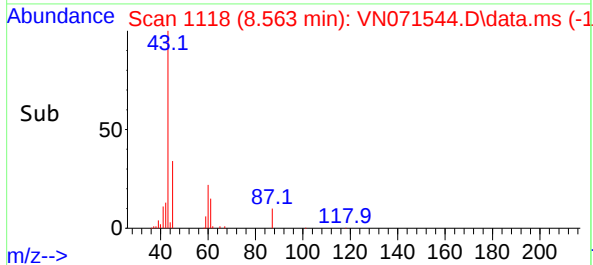
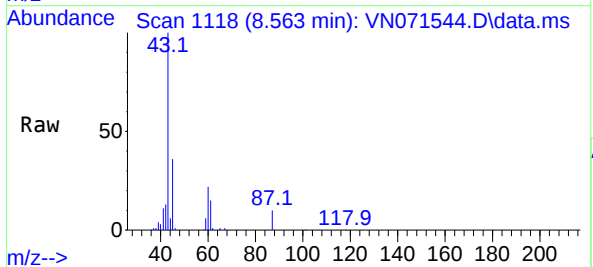


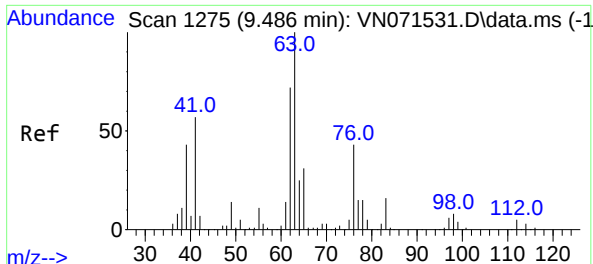
Tgt Ion:117 Resp: 72729
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 4.926 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

Tgt Ion: 43 Resp: 112578
Ion Ratio Lower Upper
43 100
61 14.5 21.9 32.9#
87 8.7 12.0 18.0#

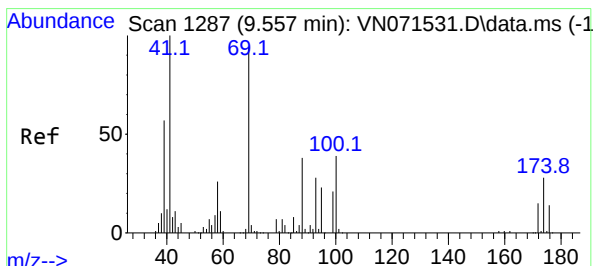
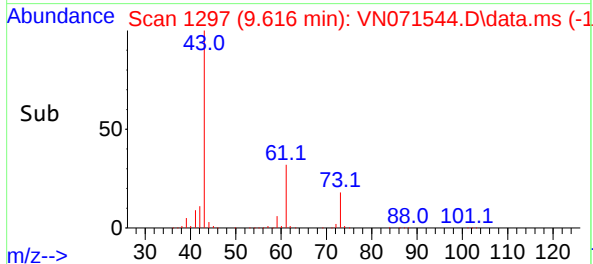
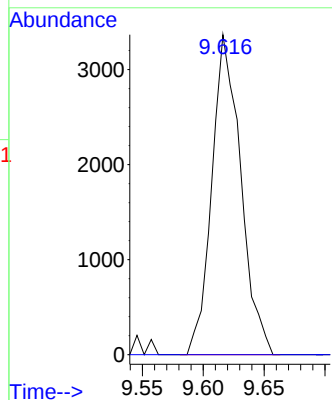
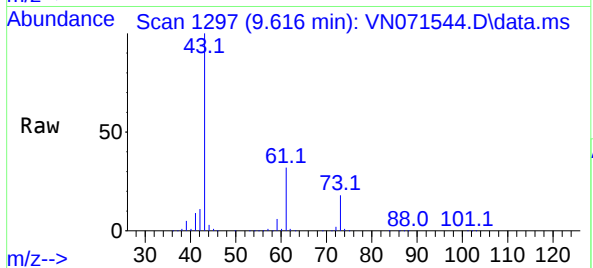




#45
1,2-Dichloropropane
Concen: 0.592 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

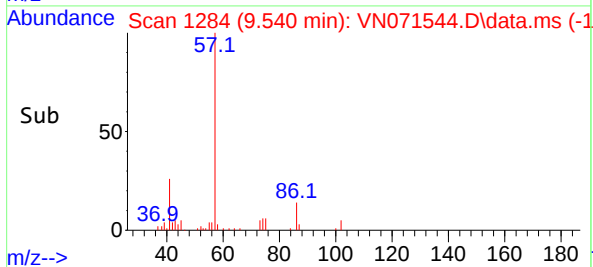
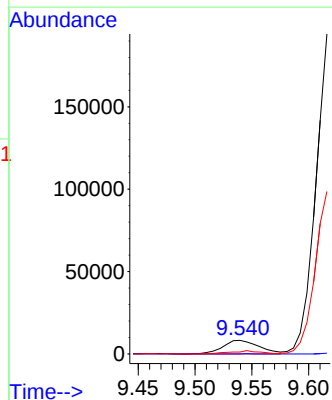
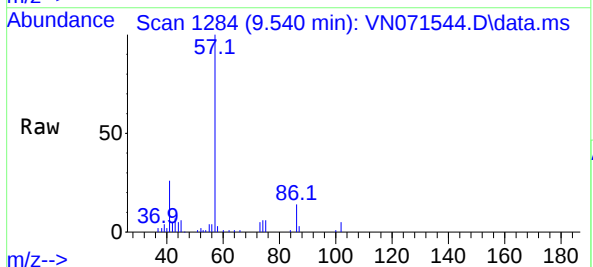
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#03

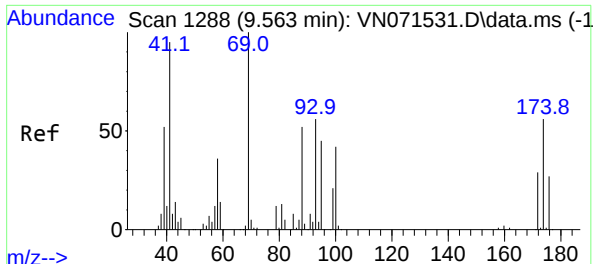
Tgt Ion: 63 Resp: 5570
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 1.912 ug/l
RT: 9.540 min Scan# 1284
Delta R.T. -0.017 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

Tgt Ion: 41 Resp: 18370
Ion Ratio Lower Upper
41 100
69 0.4 74.7 112.1#
39 0.0 45.6 68.4#

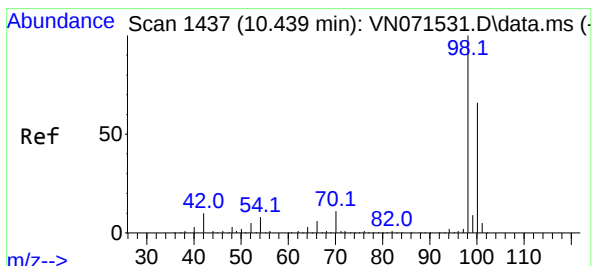
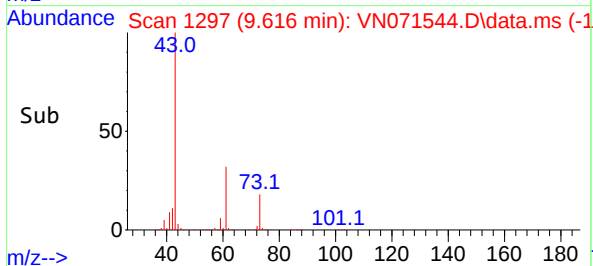
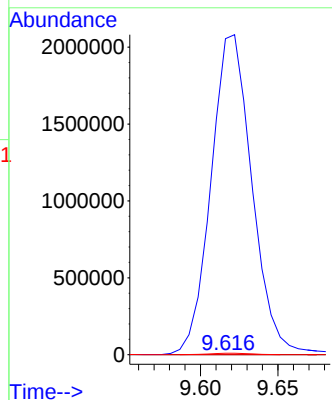
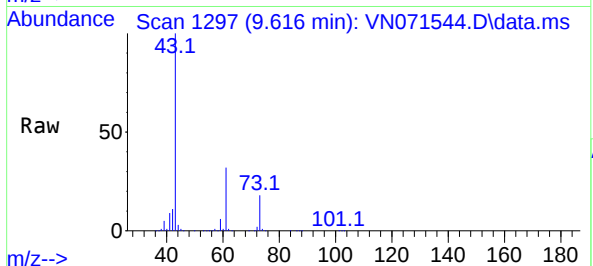




#49
1,4-Dioxane
Concen: 3.244 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.053 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

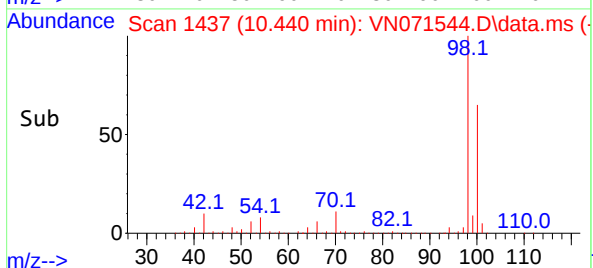
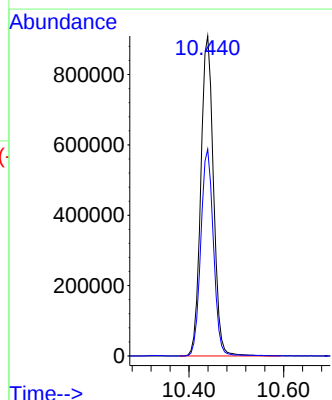
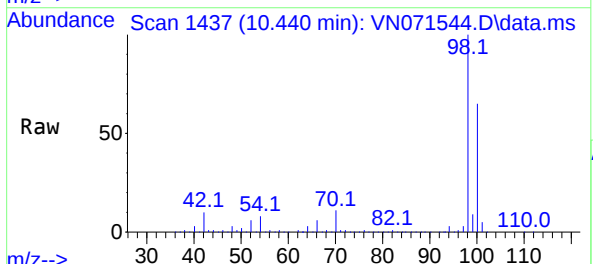
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#03

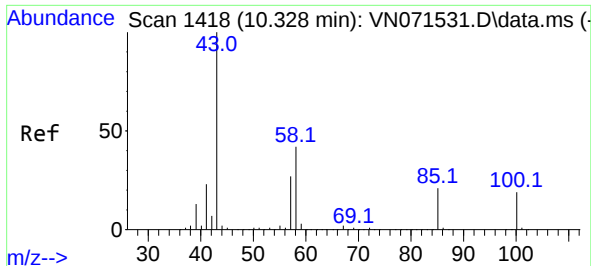
Tgt Ion: 88 Resp: 719
Ion Ratio Lower Upper
88 100
43 539054.9 20.2 30.4#
58 2552.0 54.2 81.4#



#50
Toluene-d8
Concen: 49.203 ug/l
RT: 10.440 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

Tgt Ion: 98 Resp: 1680252
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.967 ug/l

RT: 10.328 min Scan# 1418

Delta R.T. 0.000 min

Lab File: VN071544.D

Acq: 25 Mar 2022 13:52

Instrument :

MSVOA_N

ClientSampleId :

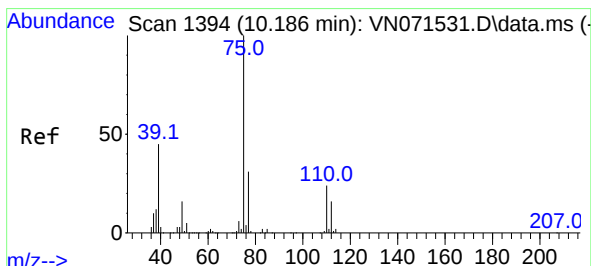
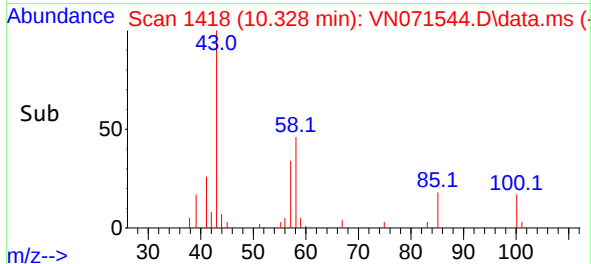
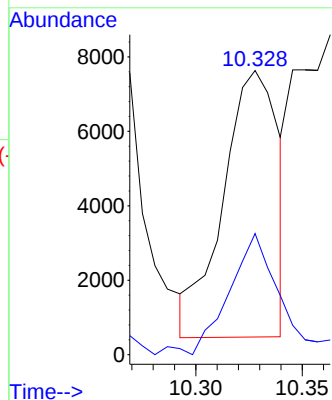
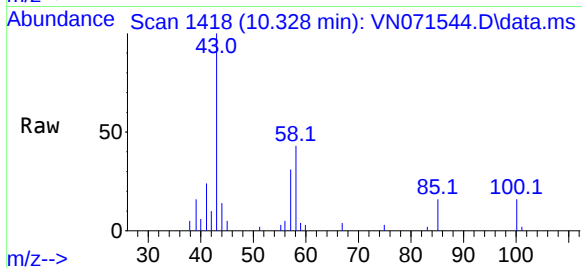
PB143557ZHE#03

Tgt Ion: 43 Resp: 12882

Ion Ratio Lower Upper

43 100

58 42.1 34.1 51.1



#54

cis-1,3-Dichloropropene

Concen: 7.986 ug/l

RT: 10.240 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN071544.D

Acq: 25 Mar 2022 13:52

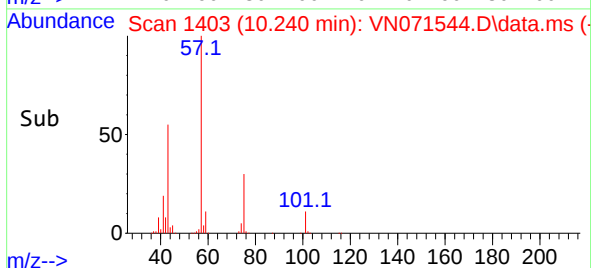
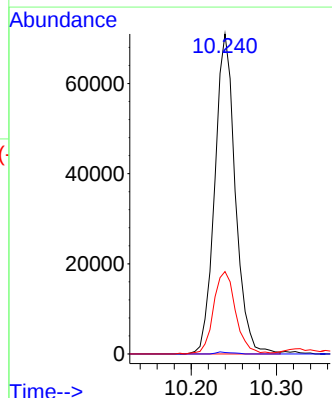
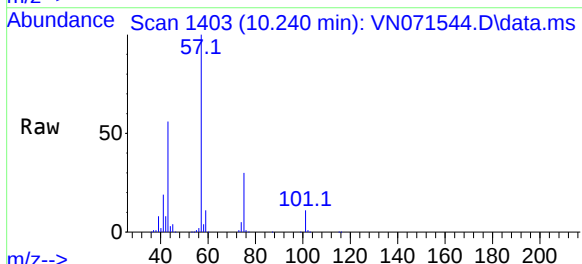
Tgt Ion: 75 Resp: 118907

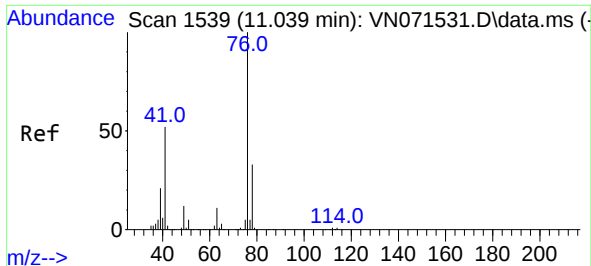
Ion Ratio Lower Upper

75 100

77 0.4 25.2 37.8#

39 25.5 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 4.816 ug/l

RT: 11.087 min Scan# 1547

Delta R.T. 0.048 min

Lab File: VN071544.D

Acq: 25 Mar 2022 13:52

Instrument :

MSVOA_N

ClientSampleId :

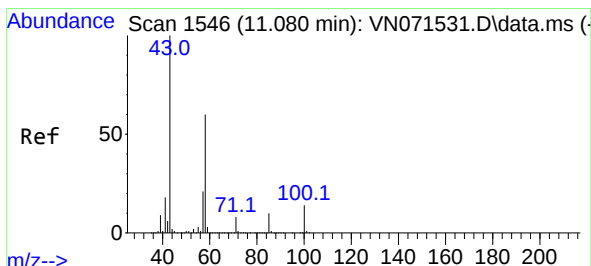
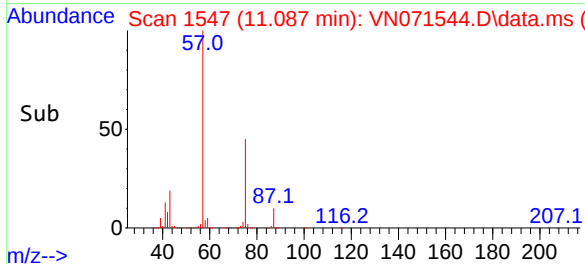
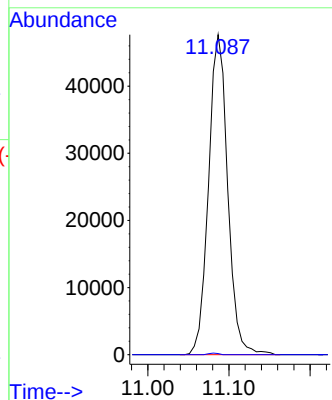
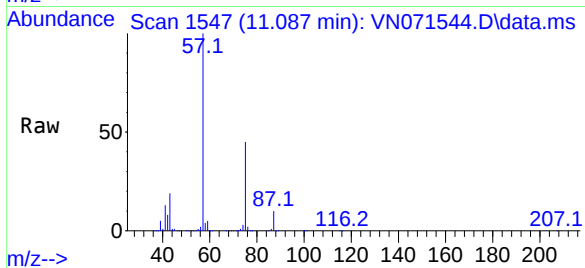
PB143557ZHE#03

Tgt Ion: 76 Resp: 78124

Ion Ratio Lower Upper

76 100

78 0.3 26.2 39.2#



#59

2-Hexanone

Concen: 104.777 ug/l

RT: 11.087 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071544.D

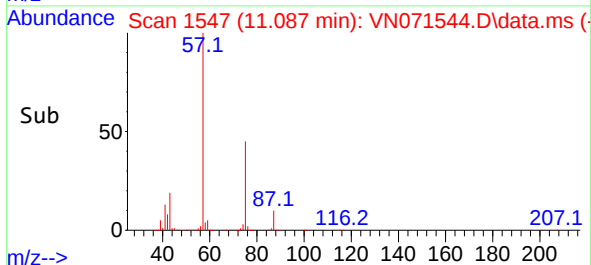
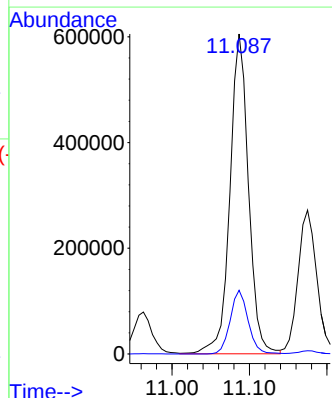
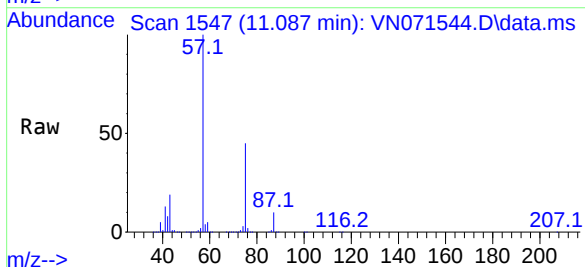
Acq: 25 Mar 2022 13:52

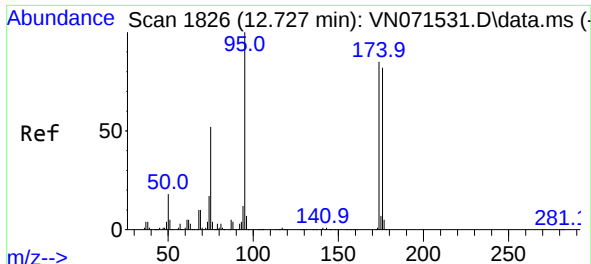
Tgt Ion: 43 Resp: 1006182

Ion Ratio Lower Upper

43 100

58 19.2 29.7 89.1#

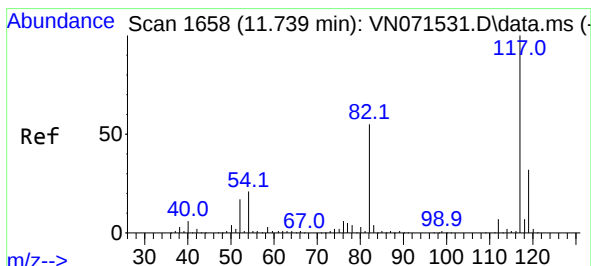
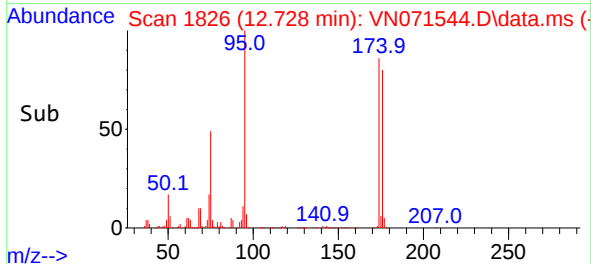
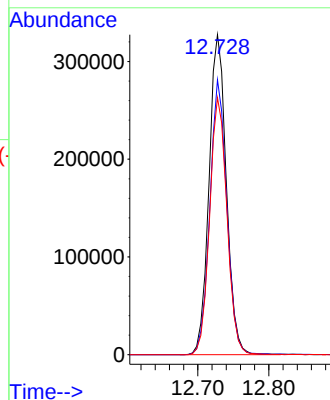
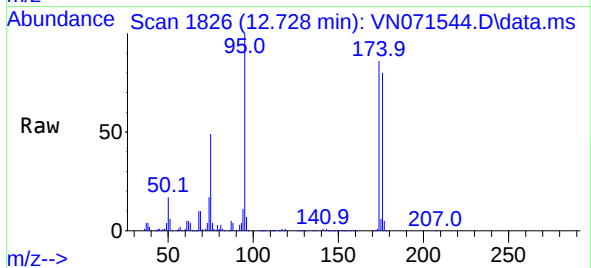




#62
4-Bromofluorobenzene
Concen: 49.544 ug/l
RT: 12.728 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

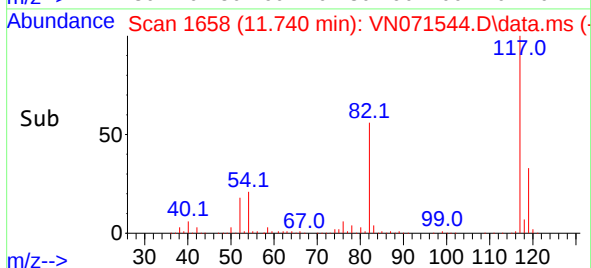
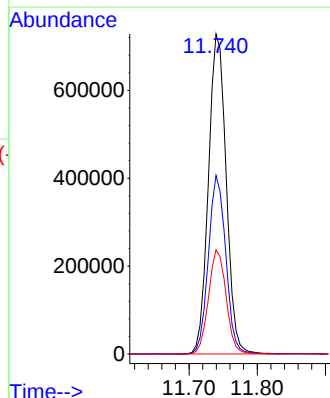
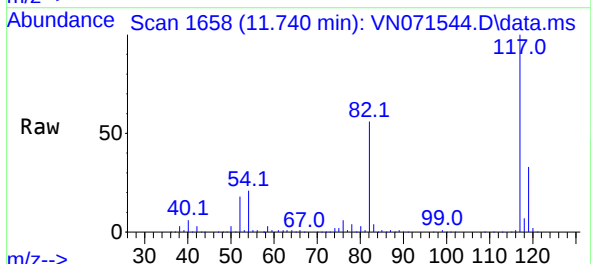
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#03

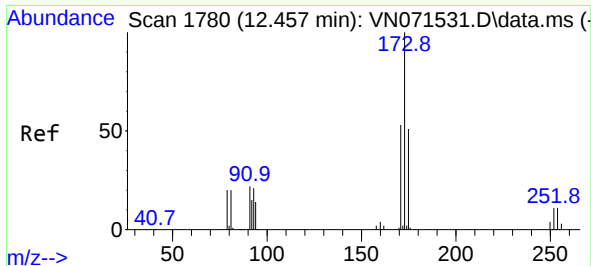
Tgt Ion: 95 Resp: 554366
Ion Ratio Lower Upper
95 100
174 84.3 0.0 167.6
176 80.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.740 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

Tgt Ion: 117 Resp: 1321484
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.2
119 32.6 25.4 38.0

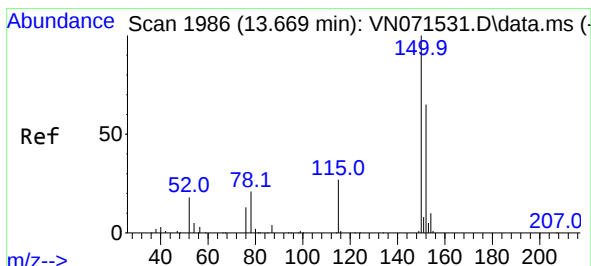
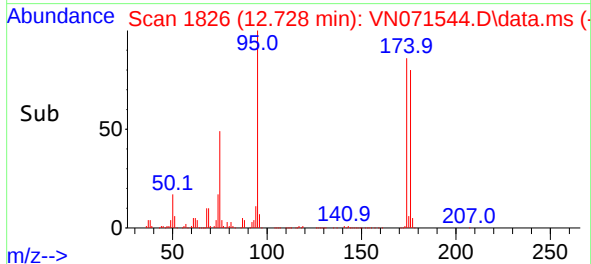
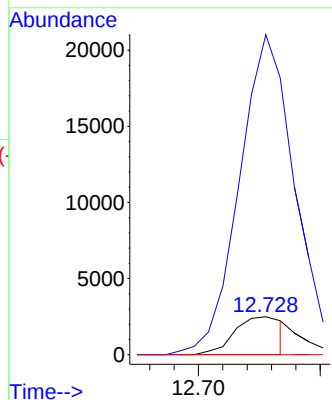
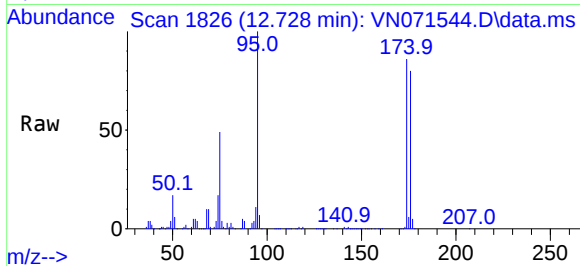




#71
Bromoform
Concen: 0.436 ug/l
RT: 12.728 min Scan# 1826
Delta R.T. 0.271 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

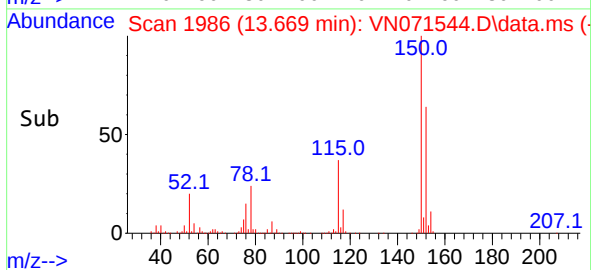
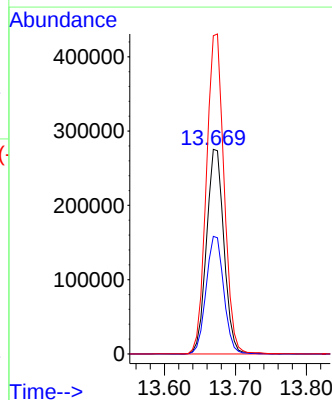
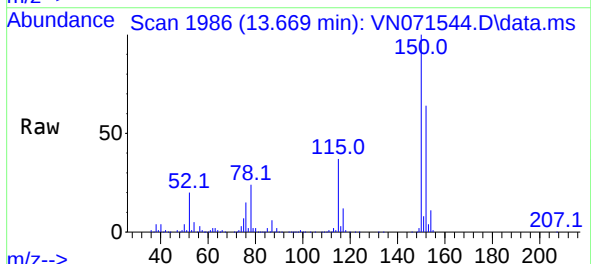
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#03

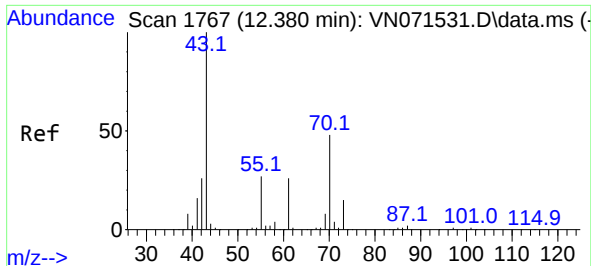
Tgt Ion:173 Resp: 3398
Ion Ratio Lower Upper
173 100
175 763.7 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

Tgt Ion:152 Resp: 470646
Ion Ratio Lower Upper
152 100
115 58.4 28.9 86.7
150 158.6 0.0 356.2

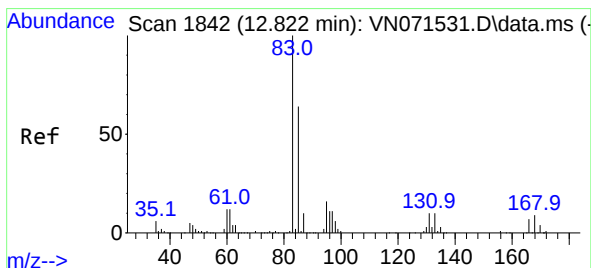
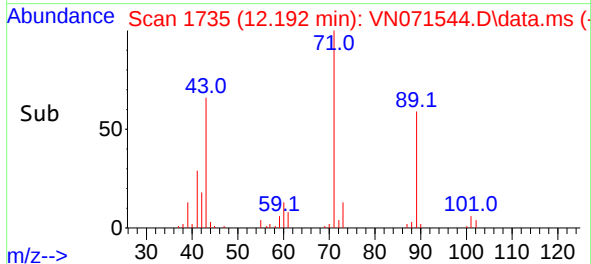
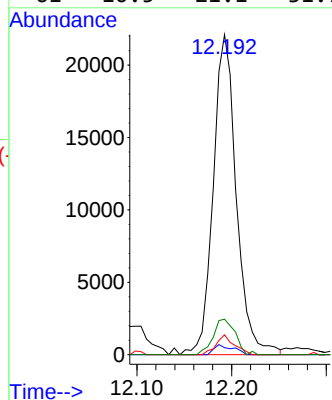
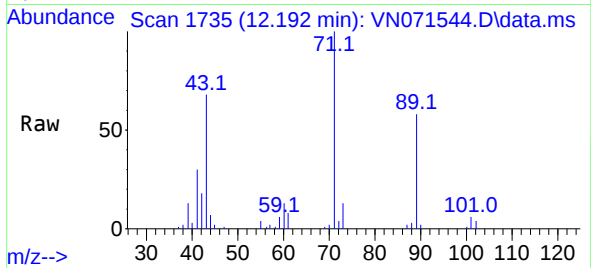




#74
N-amy1 acetate
Concen: 2.812 ug/l
RT: 12.192 min Scan# 1767
Delta R.T. -0.188 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

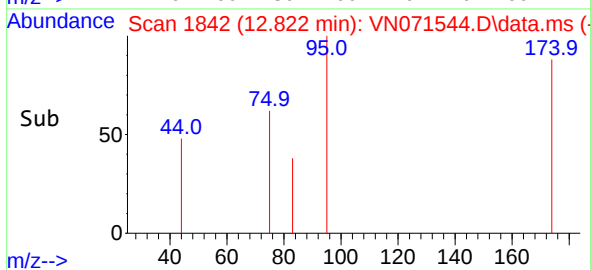
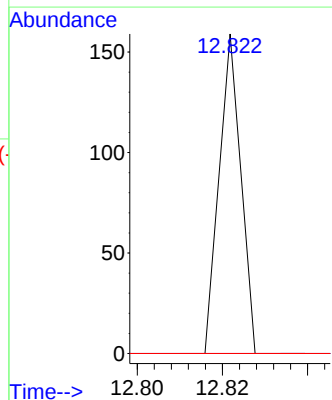
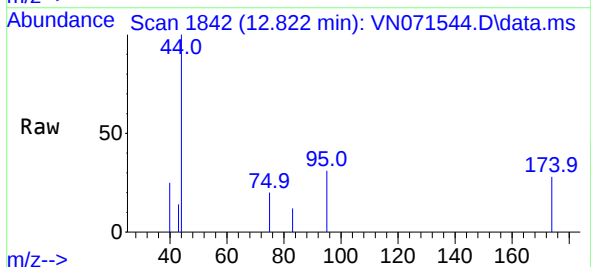
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#03

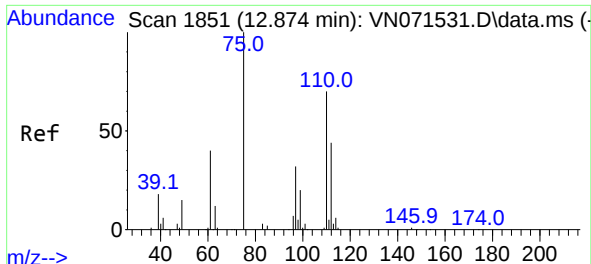
Tgt Ion:	43	Resp:	37509
Ion	Ratio	Lower	Upper
43	100		
70	2.6	39.0	58.4#
55	4.9	21.1	31.7#
61	10.5	21.1	31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.822 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

Tgt Ion:	83	Resp:	56
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	15.9#
85	0.0	32.3	96.9#

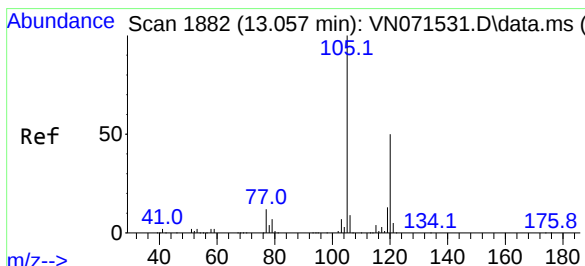
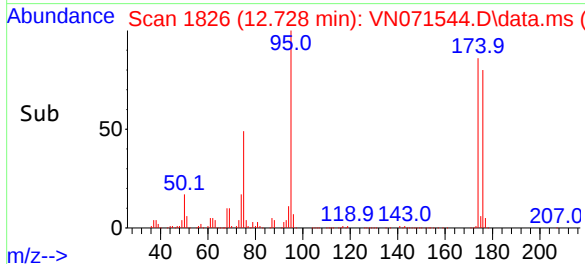
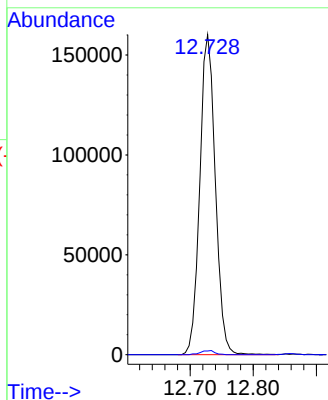
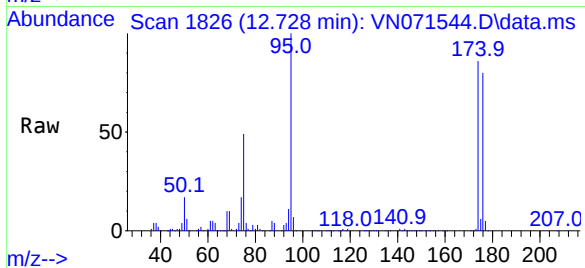




#76
1,2,3-Trichloropropane
Concen: 26.108 ug/l
RT: 12.728 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

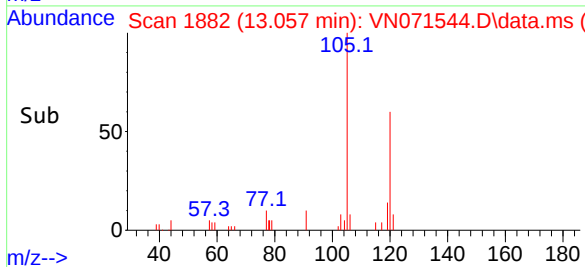
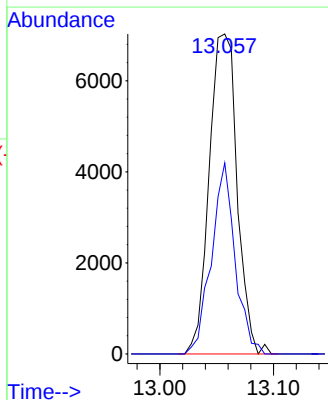
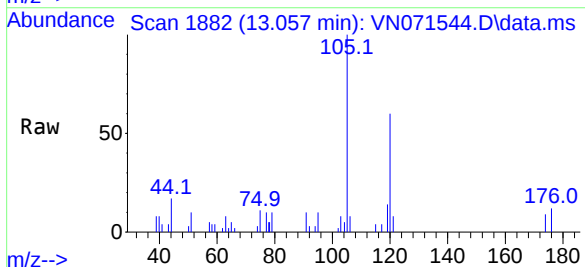
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#03

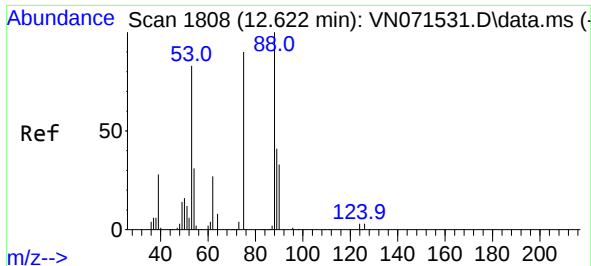
Tgt Ion: 75 Resp: 273997
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.366 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.000 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

Tgt Ion: 105 Resp: 12003
Ion Ratio Lower Upper
105 100
120 50.7 24.9 74.7

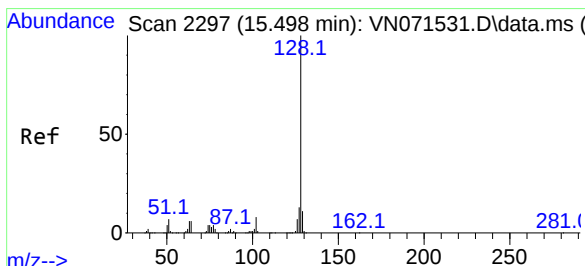
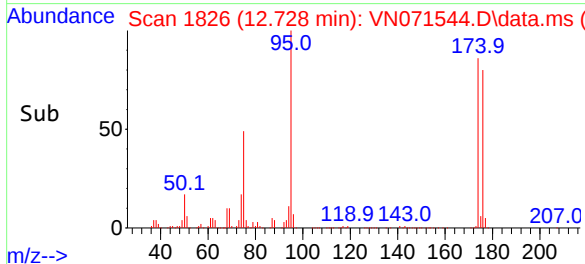
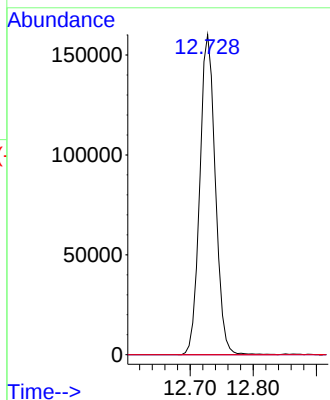
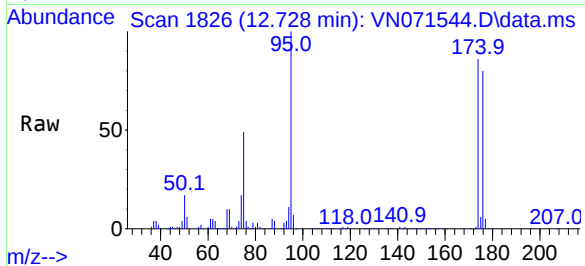




#81
trans-1,4-Dichloro-2-butene
Concen: 69.898 ug/l
RT: 12.728 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#03

Tgt Ion: 75 Resp: 273997
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.318 ug/l
RT: 15.510 min Scan# 2299
Delta R.T. 0.012 min
Lab File: VN071544.D
Acq: 25 Mar 2022 13:52

Tgt Ion: 128 Resp: 2660
Ion Ratio Lower Upper
128 100
127 8.3 10.3 15.5#
129 2.0 8.6 13.0#

