

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031422\
 Data File : VN071277.D
 Acq On : 14 Mar 2022 19:39
 Operator : JC\MD
 Sample : PB143286ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

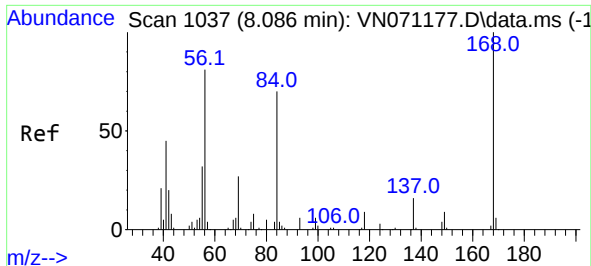
Instrument :
 MSVOA_N
 ClientSampleId :
 PB143286ZHE#09

Quant Time: Mar 15 02:55:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	781598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1327279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1216105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	443423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	498038	46.493	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.980%		
35) Dibromofluoromethane	8.016	113	384864	45.951	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.900%		
50) Toluene-d8	10.439	98	1617039	47.951	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.900%		
62) 4-Bromofluorobenzene	12.727	95	532851	46.662	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.320%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3100	0.235	ug/l #	84
5) Bromomethane	2.869	94	687	Below Cal	#	66
16) Acetone	4.293	43	34881	6.692	ug/l	99
18) Methyl Acetate	4.857	43	37820	3.146	ug/l	94
20) Methylene Chloride	5.098	84	14467	1.889	ug/l	97
25) 2-Butanone	7.339	43	6618	0.788	ug/l #	88
31) Cyclohexane	8.081	56	15918	0.931	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	61712	4.599	ug/l #	49
38) Carbon Tetrachloride	8.086	117	77243	5.951	ug/l #	16
43) Isopropyl Acetate	8.569	43	258094	9.345	ug/l #	70
45) 1,2-Dichloropropane	9.622	63	5375	0.495	ug/l #	44
48) Methyl methacrylate	9.545	41	22412	1.751	ug/l #	8
49) 1,4-Dioxane	9.563	88	106	0.476	ug/l #	27
51) 4-Methyl-2-Pentanone	10.327	43	13760	0.803	ug/l	93
54) cis-1,3-Dichloropropene	10.239	75	122518	7.535	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	72554	4.052	ug/l #	43
59) 2-Hexanone	11.086	43	1172667	100.273	ug/l #	49
71) Bromoform	12.727	173	3347	0.460	ug/l #	1
74) N-amyl acetate	12.192	43	43043	2.678	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.727	83	341	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	271878	23.820	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.051	105	10267	0.309	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.727	75	271878	66.280	ug/l #	5
95) Naphthalene	15.498	128	400	5.085	ug/l #	69

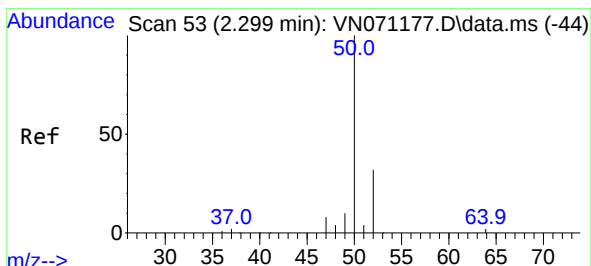
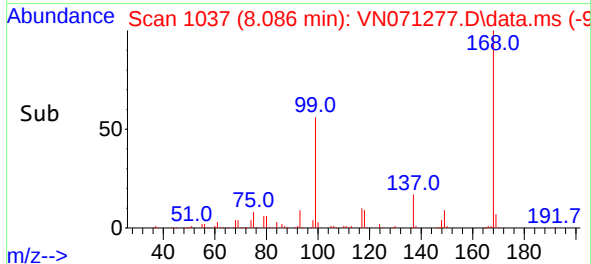
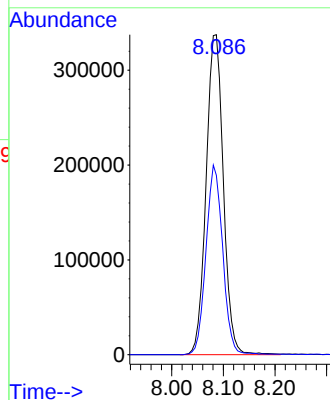
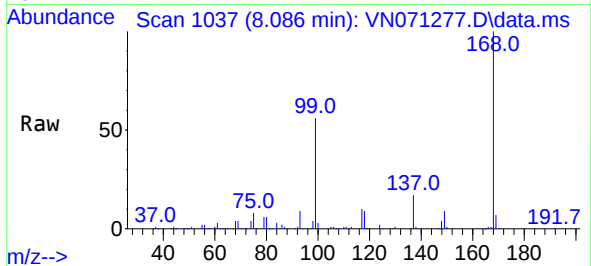
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071277.D
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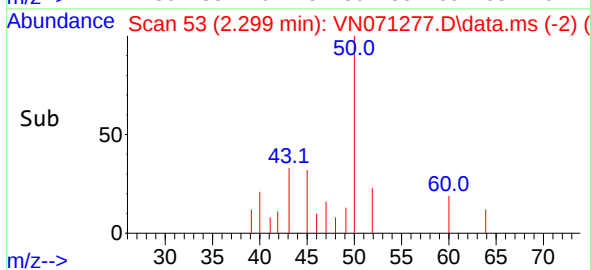
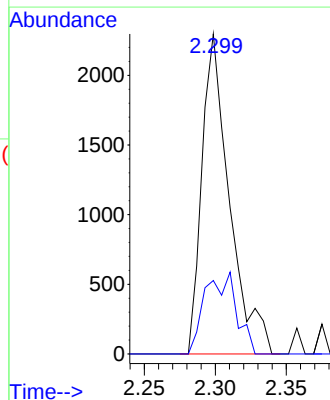
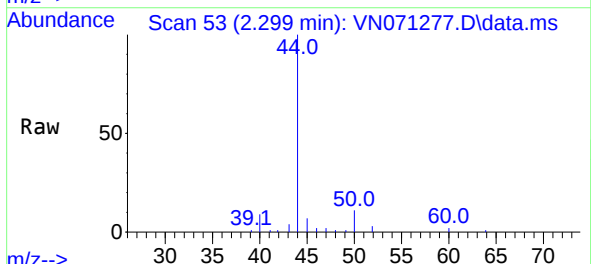
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PB143286ZHE#09

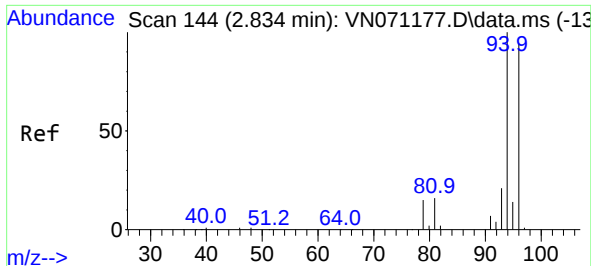
Tgt Ion:168 Resp: 781598
Ion Ratio Lower Upper
168 100
99 56.1 41.3 61.9



#3
Chloromethane
Concen: 0.235 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

Tgt Ion: 50 Resp: 3100
Ion Ratio Lower Upper
50 100
52 22.9 25.4 38.0#

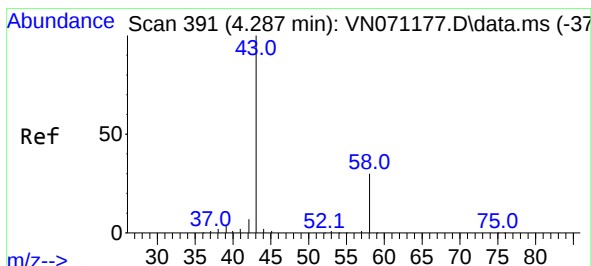
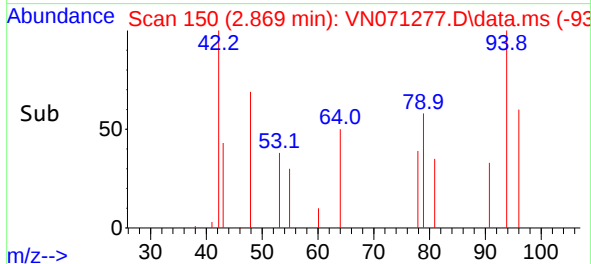
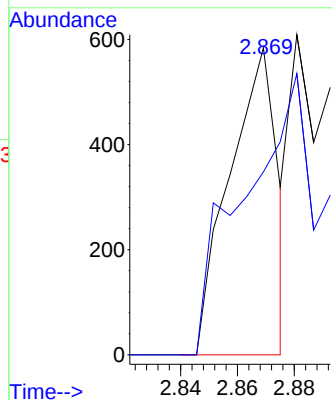
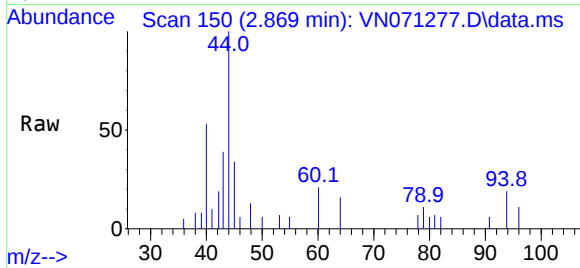




#5
Bromomethane
Concen: Below Cal
RT: 2.869 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

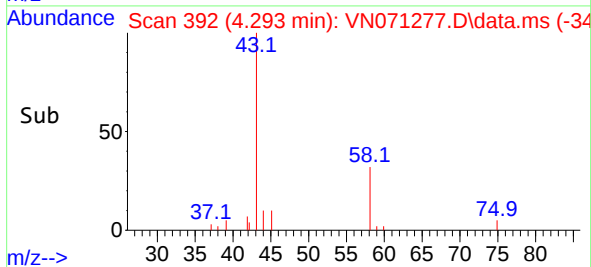
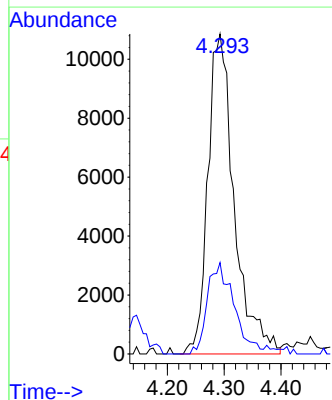
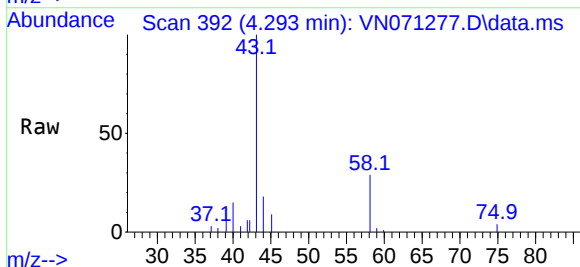
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#09

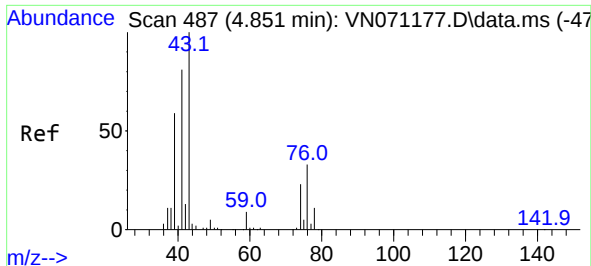
Tgt Ion: 94 Resp: 687
Ion Ratio Lower Upper
94 100
96 59.6 73.8 110.8#



#16
Acetone
Concen: 6.692 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

Tgt Ion: 43 Resp: 34881
Ion Ratio Lower Upper
43 100
58 28.6 23.1 34.7

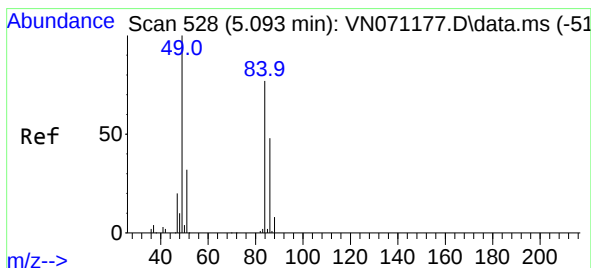
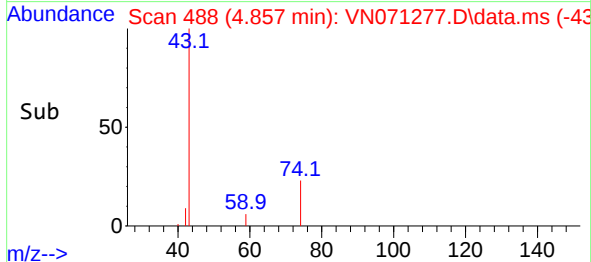
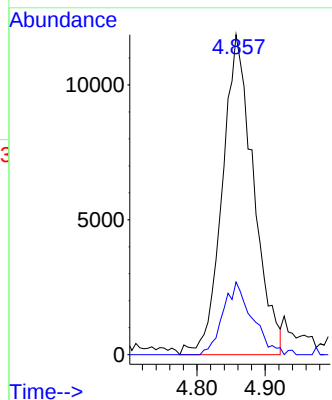
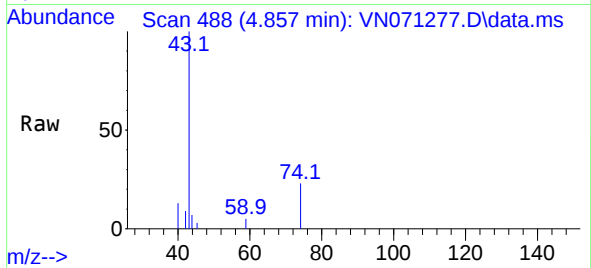




#18
Methyl Acetate
Concen: 3.146 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

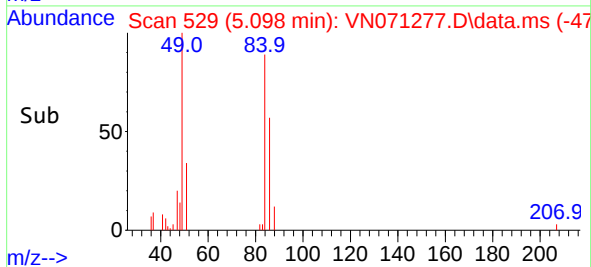
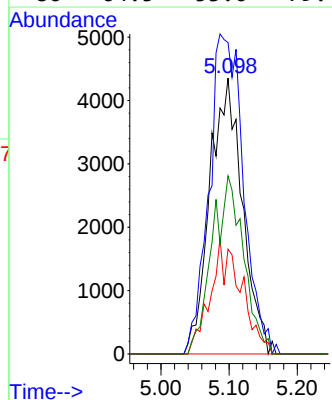
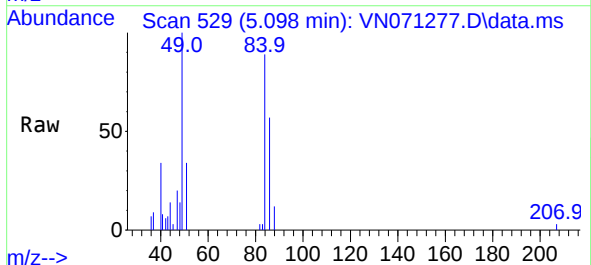
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#09

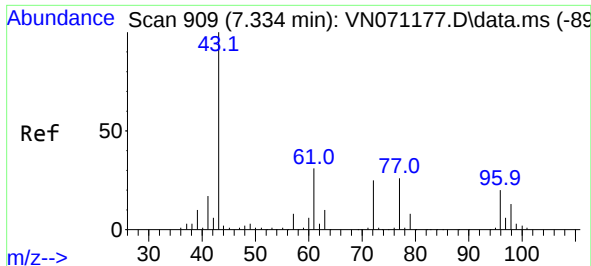
Tgt Ion: 43 Resp: 37820
Ion Ratio Lower Upper
43 100
74 21.2 19.4 29.2



#20
Methylene Chloride
Concen: 1.889 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

Tgt Ion: 84 Resp: 14467
Ion Ratio Lower Upper
84 100
49 112.9 93.5 140.3
51 38.0 29.4 44.2
86 64.5 53.0 79.4

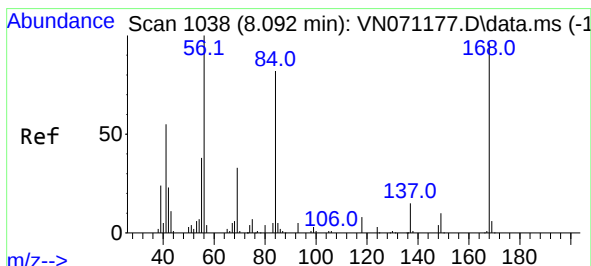
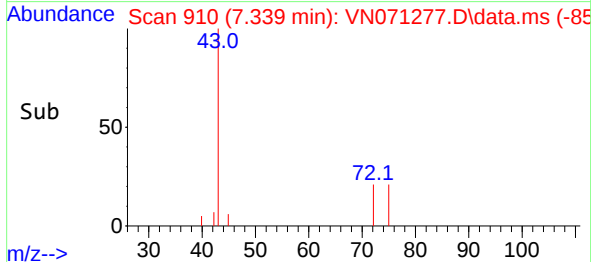
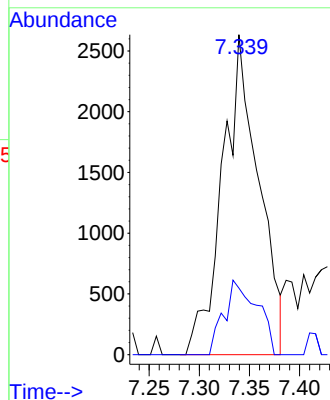
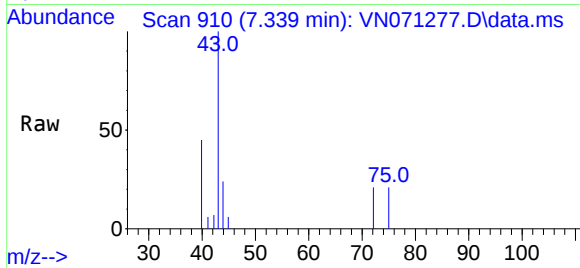




#25
2-Butanone
Concen: 0.788 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

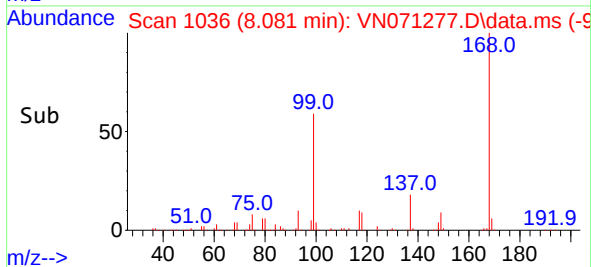
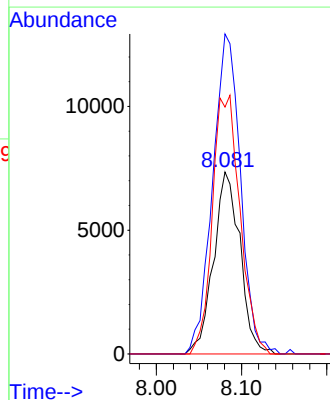
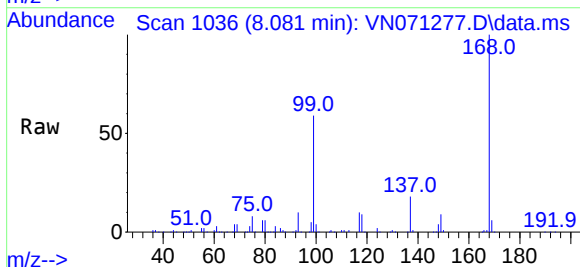
Instrument :
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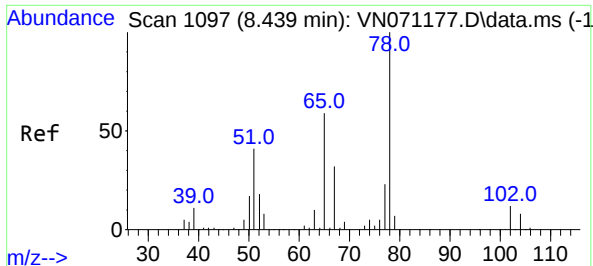
Tgt Ion: 43 Resp: 6618
Ion Ratio Lower Upper
43 100
72 20.8 21.7 32.5#



#31
Cyclohexane
Concen: 0.931 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

Tgt Ion: 56 Resp: 15918
Ion Ratio Lower Upper
56 100
69 175.9 27.1 40.7#
84 135.8 73.4 110.0#

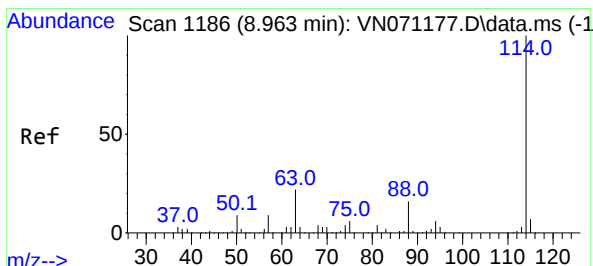
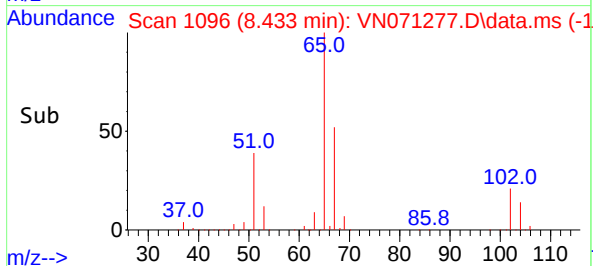
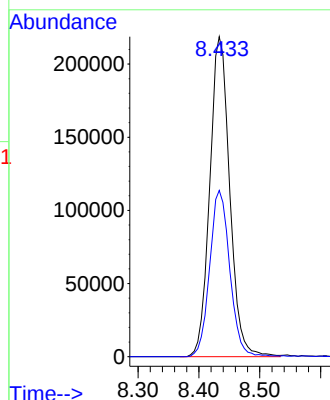
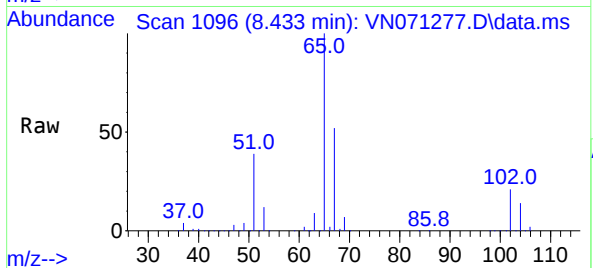




#33
1,2-Dichloroethane-d4
Concen: 46.493 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

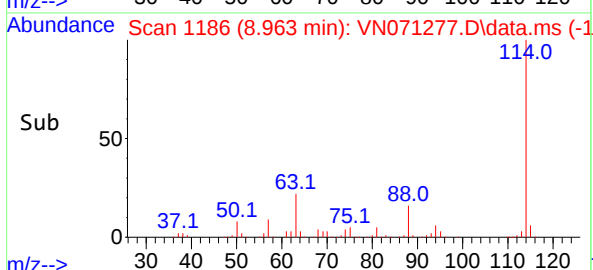
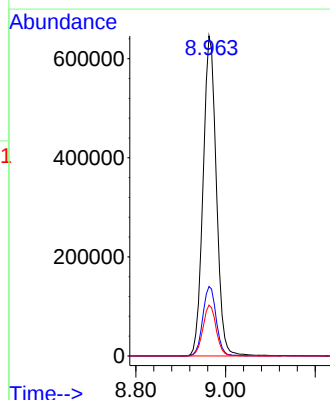
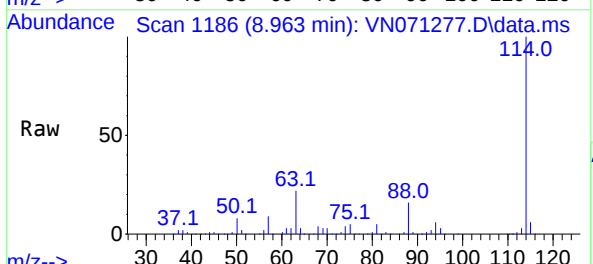
Instrument :
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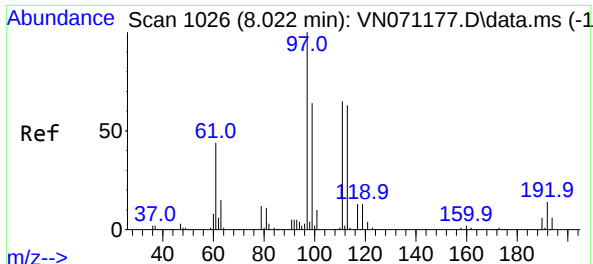
Tgt Ion: 65 Resp: 498038
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

Tgt Ion: 114 Resp: 1327279
Ion Ratio Lower Upper
114 100
63 21.7 0.0 37.8
88 15.9 0.0 27.4

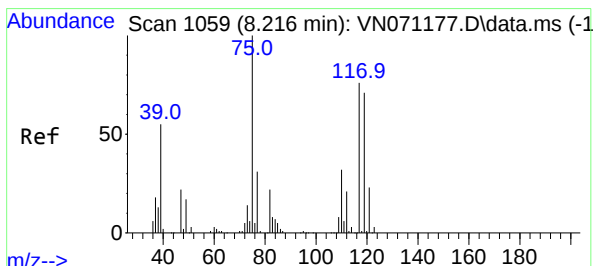
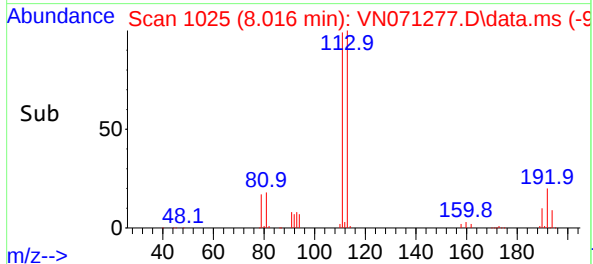
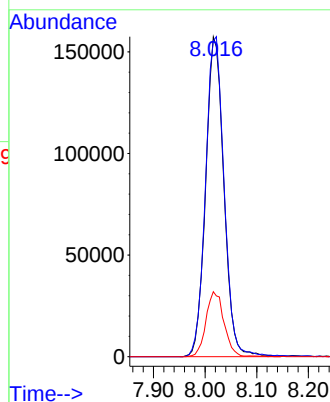
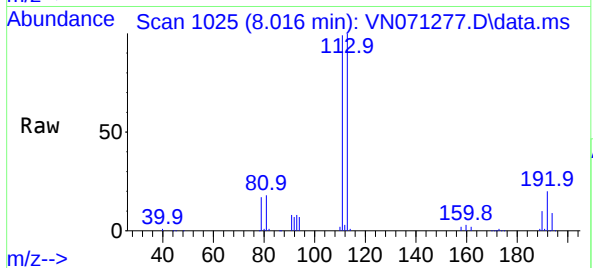




#35
Dibromofluoromethane
Concen: 45.951 ug/l
RT: 8.016 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

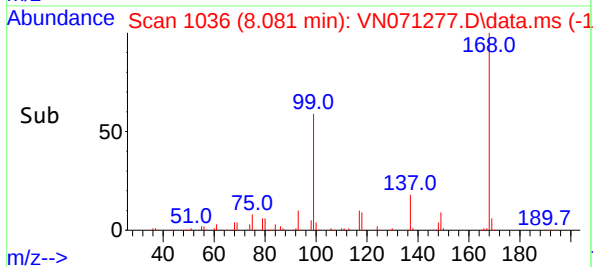
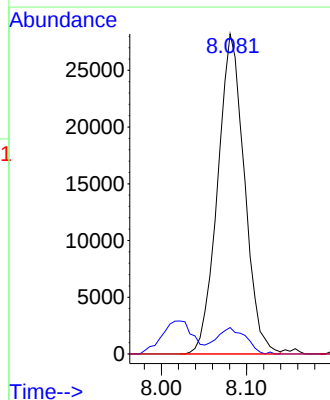
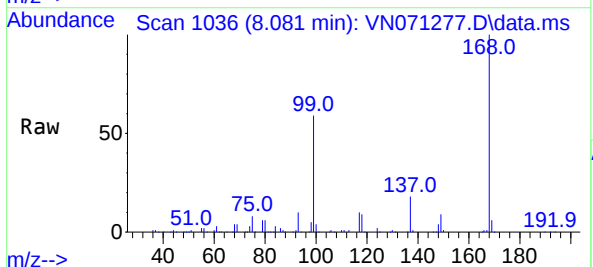
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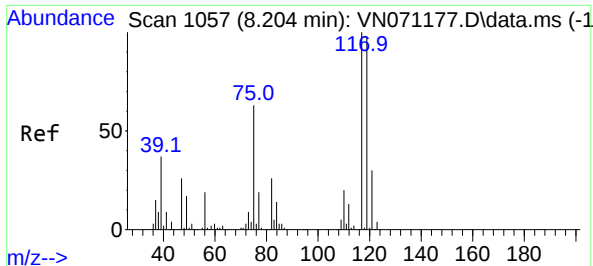
Tgt Ion:113 Resp: 384864
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 20.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.599 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

Tgt Ion: 75 Resp: 61712
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#

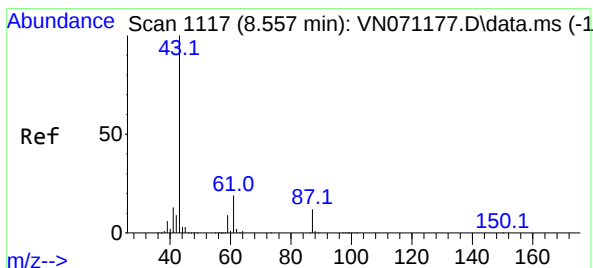
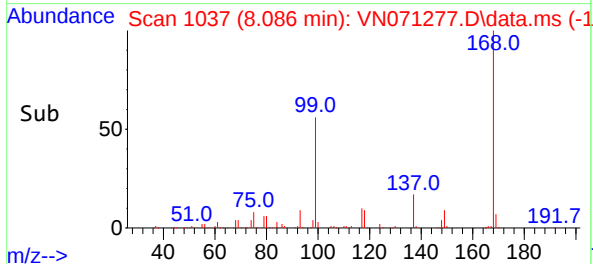
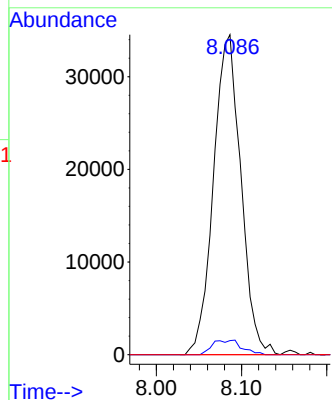
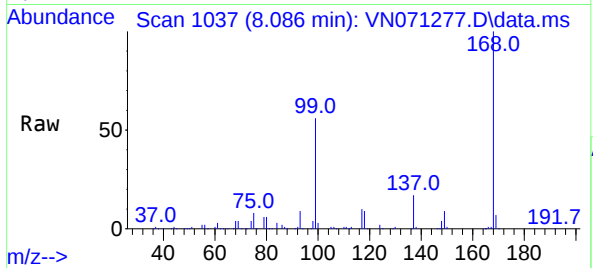




#38
Carbon Tetrachloride
Concen: 5.951 ug/l
RT: 8.086 min Scan# 1109
Delta R.T. -0.118 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

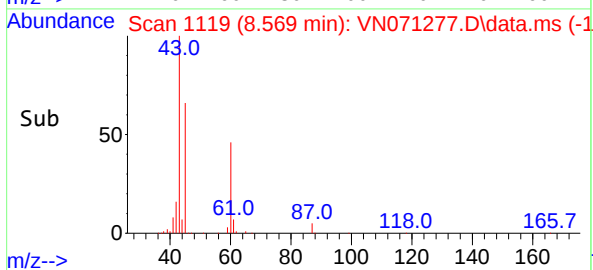
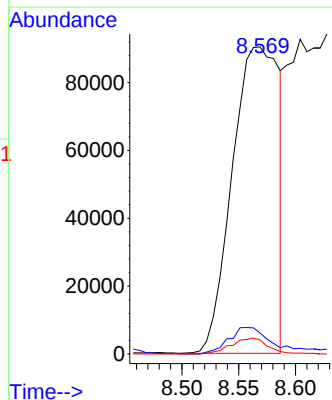
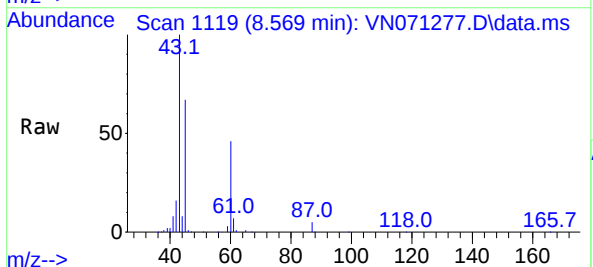
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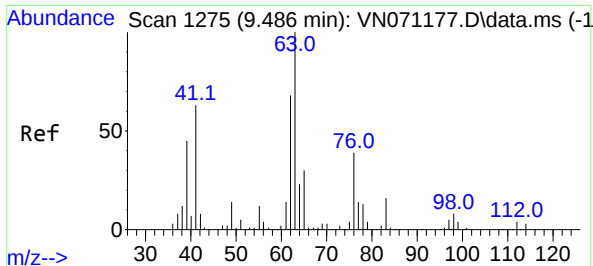
Tgt Ion:117 Resp: 77243
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 9.345 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.012 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

Tgt Ion: 43 Resp: 258094
Ion Ratio Lower Upper
43 100
61 8.9 20.4 30.6#
87 4.1 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.495 ug/l

RT: 9.622 min Scan# 11

Delta R.T. 0.136 min

Lab File: VN071277.D

Acq: 14 Mar 2022 19:39

Instrument :

MSVOA_N

ClientSampleId :

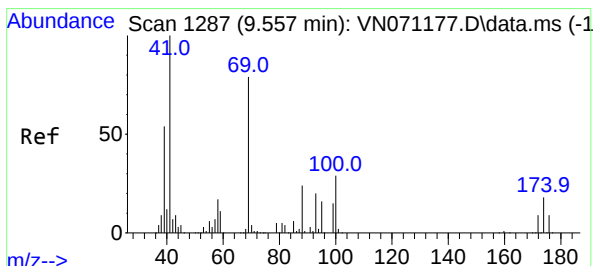
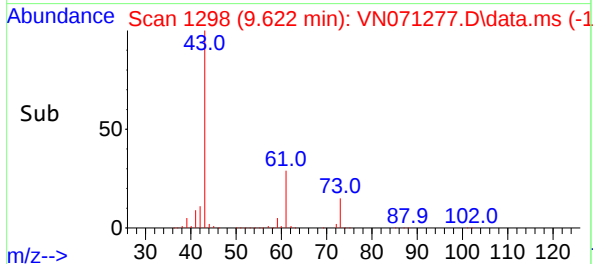
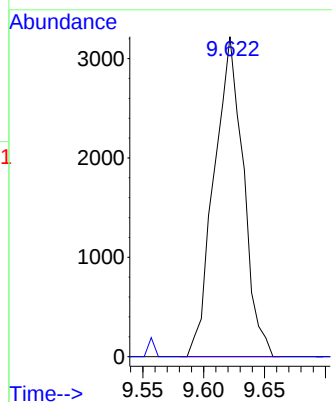
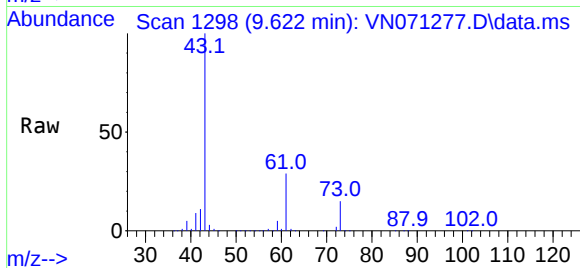
PB143286ZHE#09

Tgt Ion: 63 Resp: 5375

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.751 ug/l

RT: 9.545 min Scan# 1285

Delta R.T. -0.012 min

Lab File: VN071277.D

Acq: 14 Mar 2022 19:39

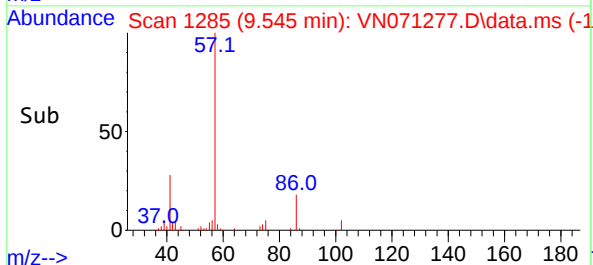
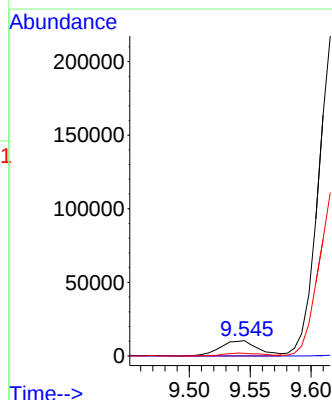
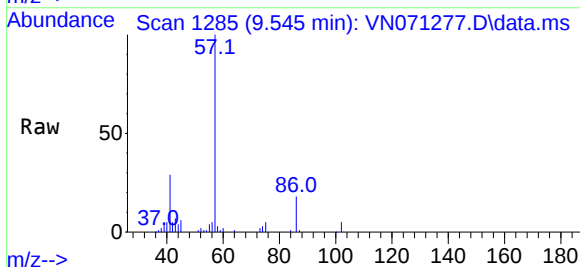
Tgt Ion: 41 Resp: 22412

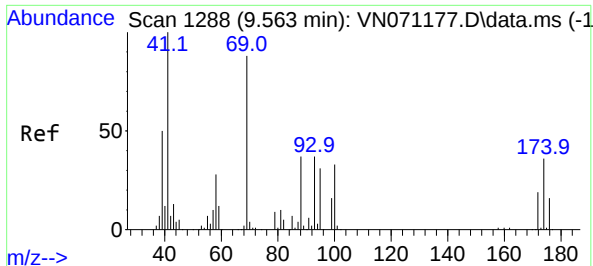
Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#

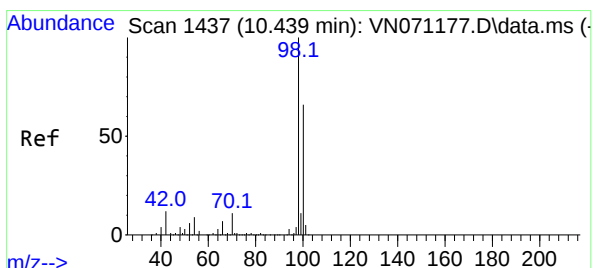
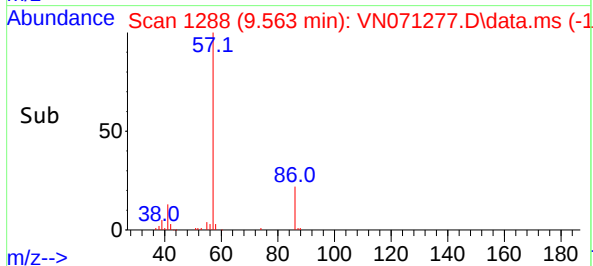
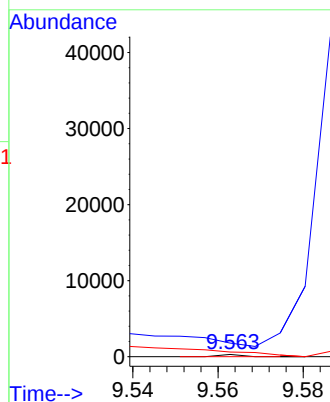
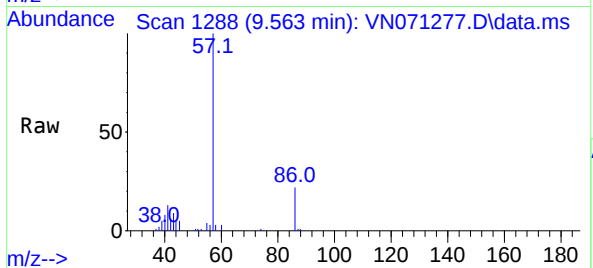




#49
1,4-Dioxane
Concen: 0.476 ug/l
RT: 9.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

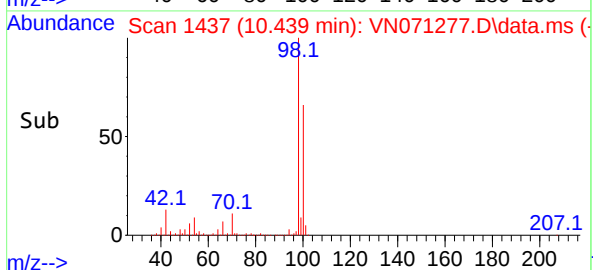
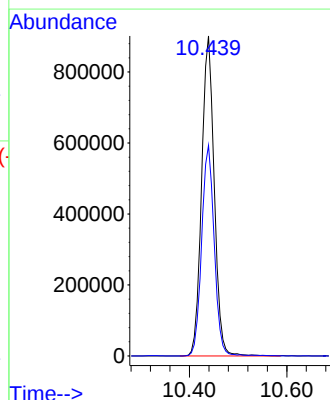
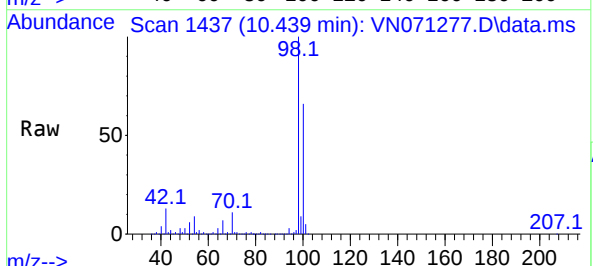
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#09

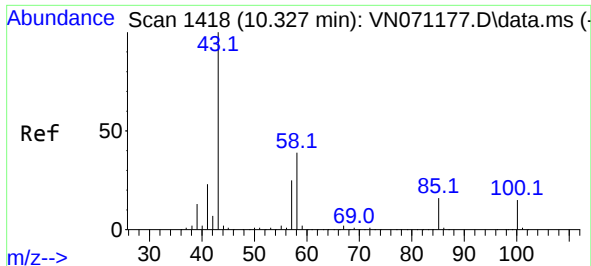
Tgt Ion: 88 Resp: 106
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 47.951 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

Tgt Ion: 98 Resp: 1617039
Ion Ratio Lower Upper
98 100
100 65.9 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.803 ug/l

RT: 10.327 min Scan# 1418

Delta R.T. 0.000 min

Lab File: VN071277.D

Acq: 14 Mar 2022 19:39

Instrument :

MSVOA_N

ClientSampleId :

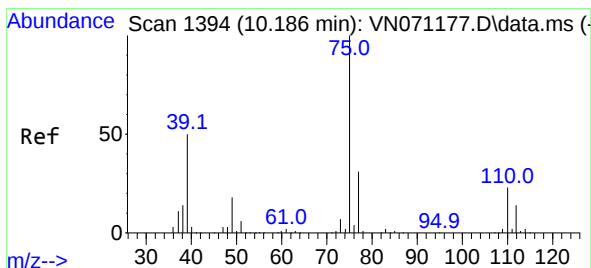
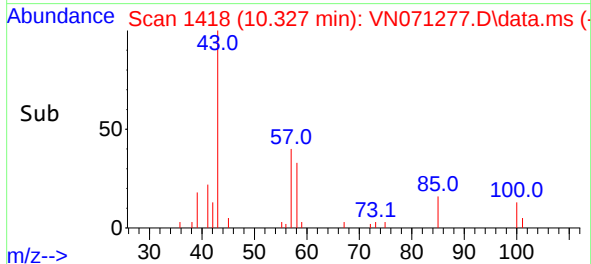
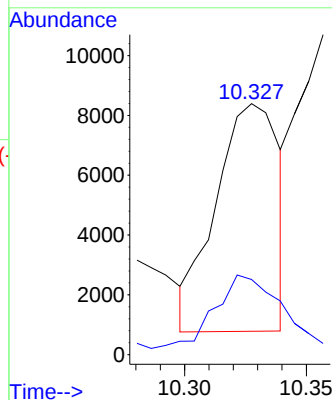
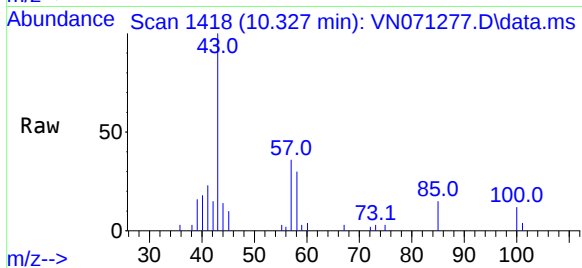
PB143286ZHE#09

Tgt Ion: 43 Resp: 13760

Ion Ratio Lower Upper

43 100

58 42.5 30.4 45.6



#54

cis-1,3-Dichloropropene

Concen: 7.535 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN071277.D

Acq: 14 Mar 2022 19:39

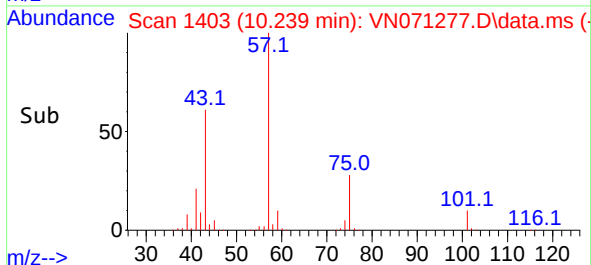
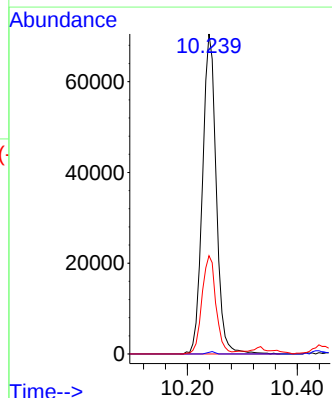
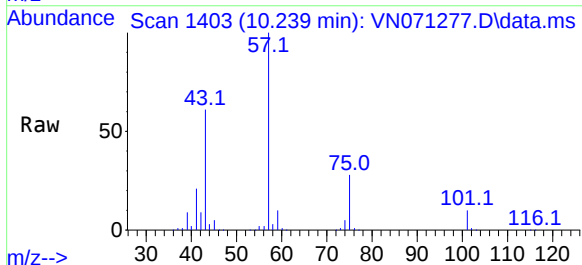
Tgt Ion: 75 Resp: 122518

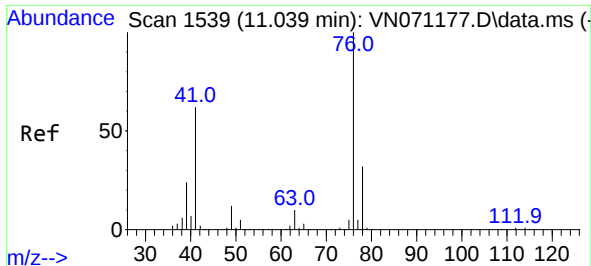
Ion Ratio Lower Upper

75 100

77 0.5 26.4 39.6#

39 30.7 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 4.052 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071277.D

Acq: 14 Mar 2022 19:39

Instrument :

MSVOA_N

ClientSampleId :

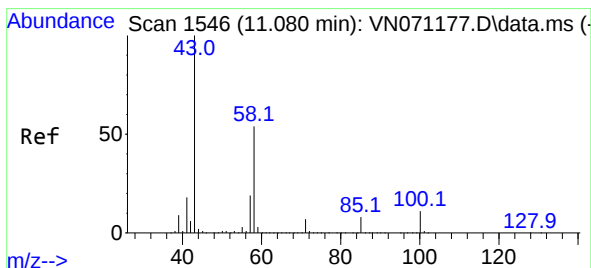
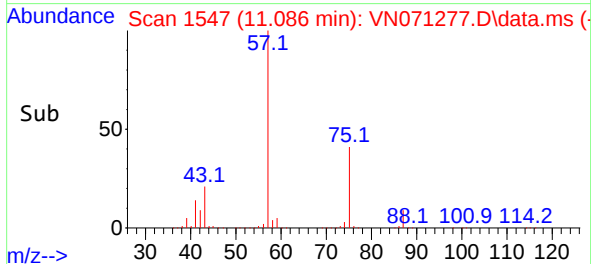
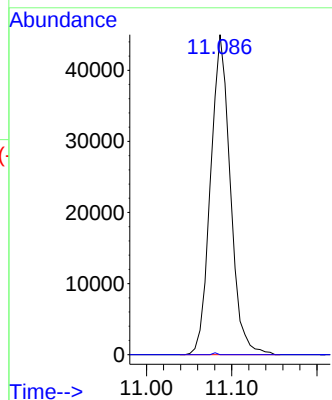
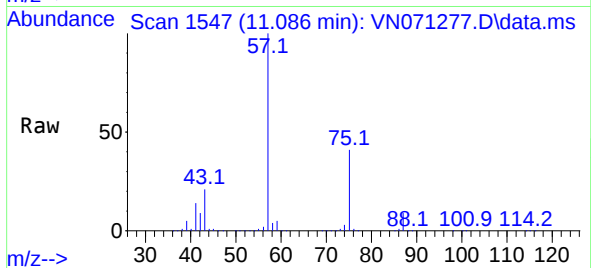
PB143286ZHE#09

Tgt Ion: 76 Resp: 72554

Ion Ratio Lower Upper

76 100

78 0.1 25.7 38.5#



#59

2-Hexanone

Concen: 100.273 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071277.D

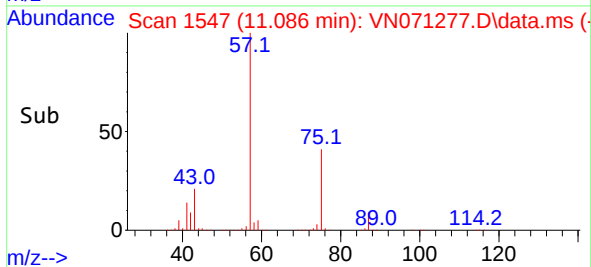
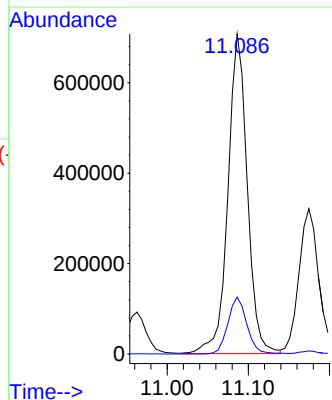
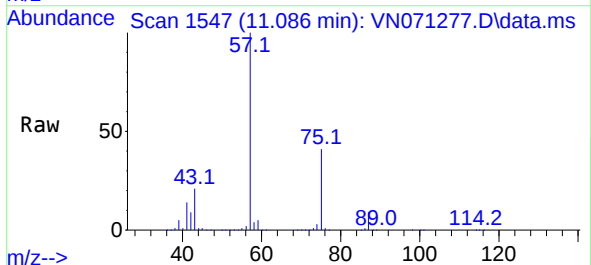
Acq: 14 Mar 2022 19:39

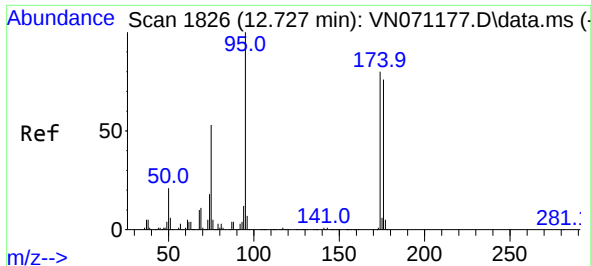
Tgt Ion: 43 Resp: 1172667

Ion Ratio Lower Upper

43 100

58 17.5 26.9 80.7#

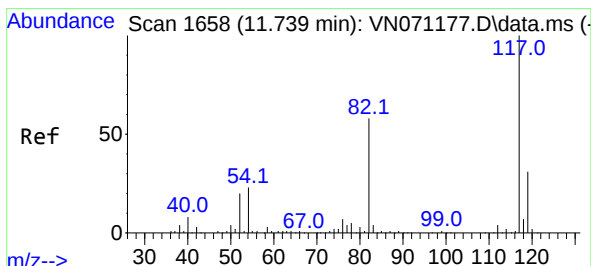
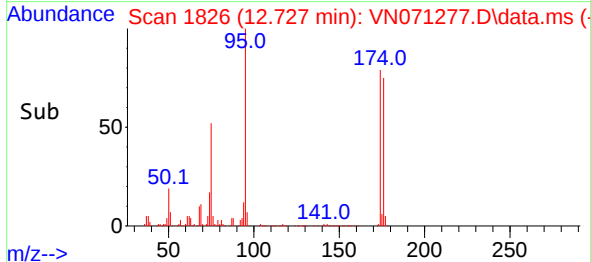
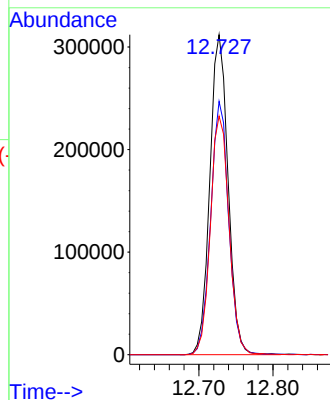
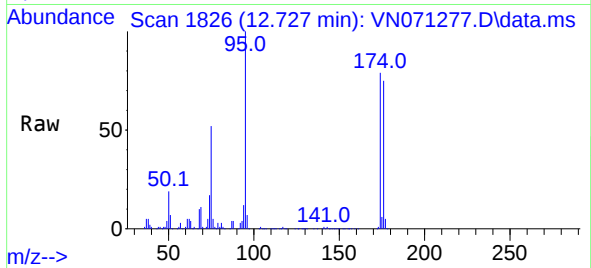




#62
4-Bromofluorobenzene
Concen: 46.662 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

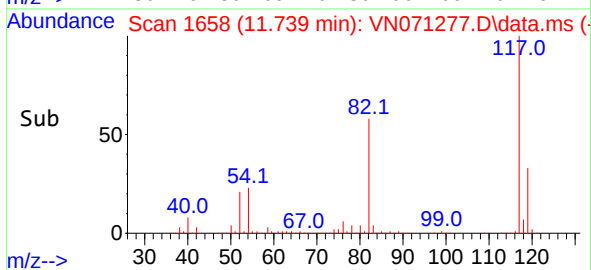
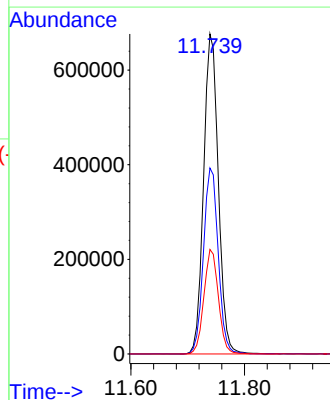
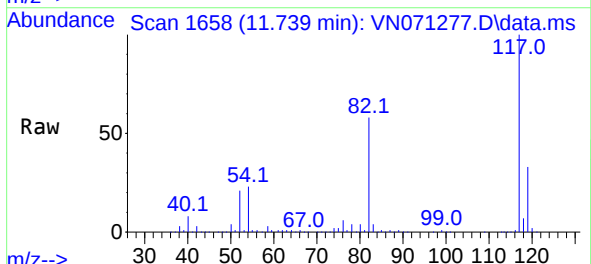
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#09

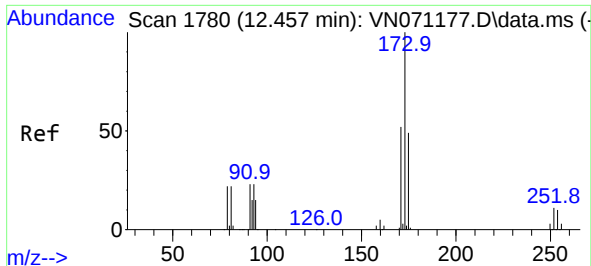
Tgt Ion: 95 Resp: 532851
Ion Ratio Lower Upper
95 100
174 78.4 0.0 187.2
176 76.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

Tgt Ion: 117 Resp: 1216105
Ion Ratio Lower Upper
117 100
82 58.1 42.4 63.6
119 32.6 25.4 38.2

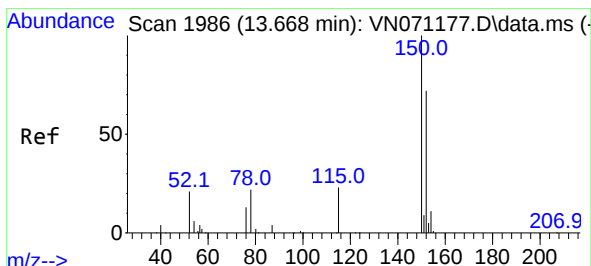
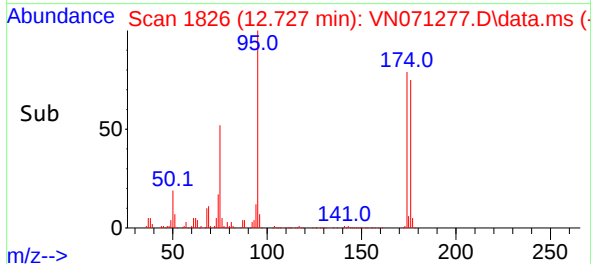
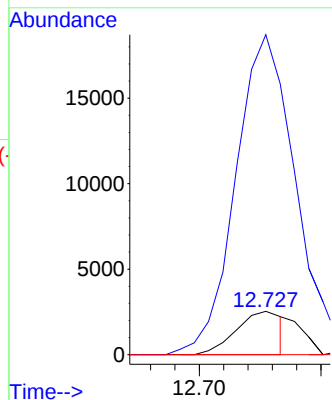
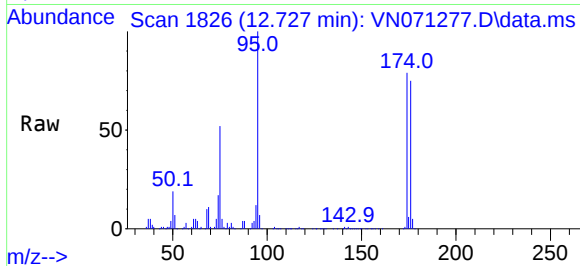




#71
Bromoform
Concen: 0.460 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

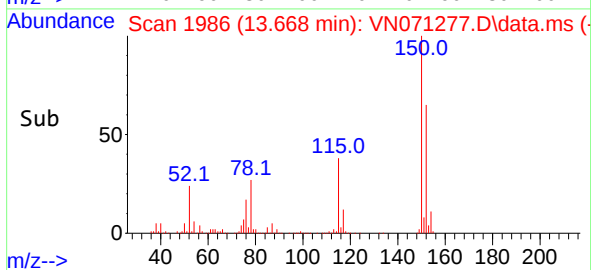
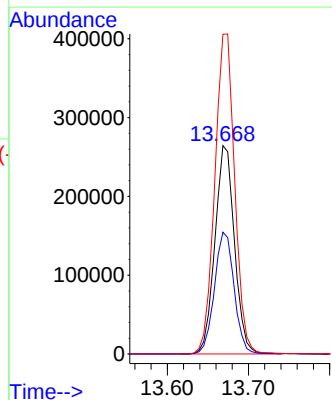
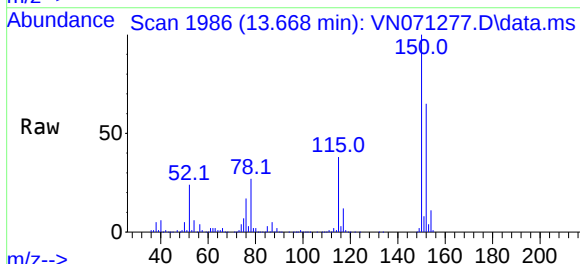
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#09

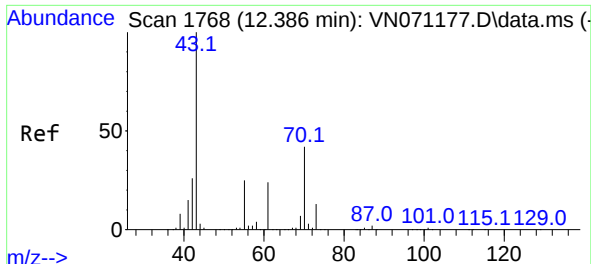
Tgt Ion:173 Resp: 3347
Ion Ratio Lower Upper
173 100
175 739.8 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

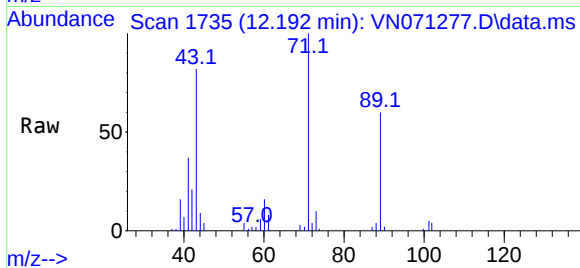
Tgt Ion:152 Resp: 443423
Ion Ratio Lower Upper
152 100
115 58.7 27.5 82.5
150 156.2 0.0 344.4



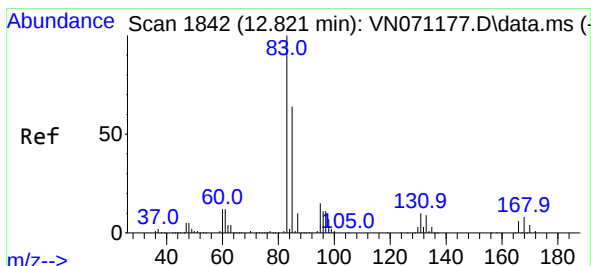
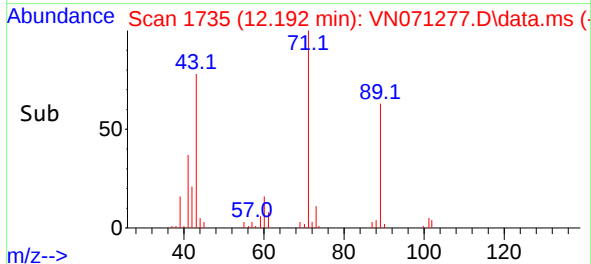
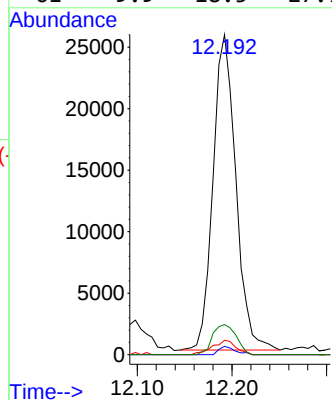


#74
N-amy1 acetate
Concen: 2.678 ug/l
RT: 12.192 min Scan# 11
Delta R.T. -0.194 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#09

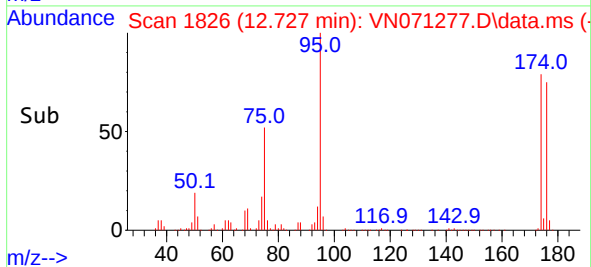
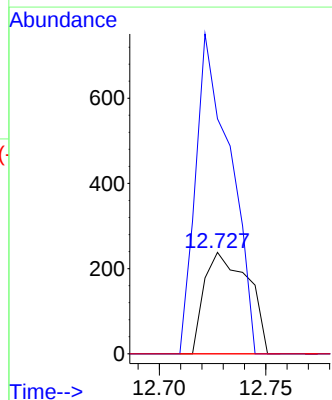
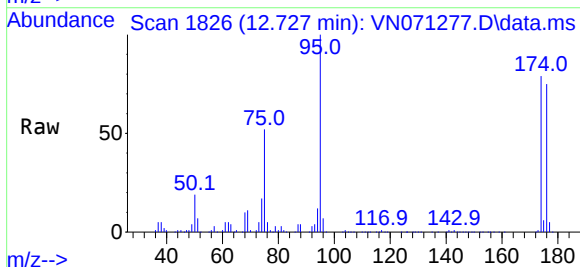


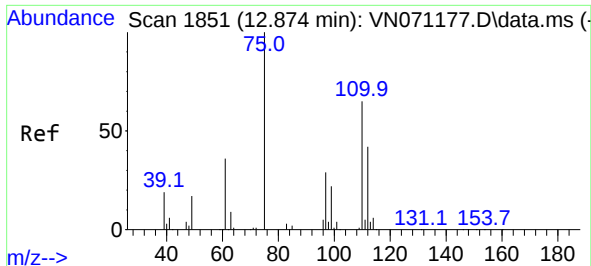
Tgt Ion: 43	Resp: 43043
Ion Ratio	Lower Upper
43 100	
70 1.8	33.4 50.0#
55 4.7	19.3 28.9#
61 9.9	18.5 27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.094 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

Tgt Ion: 83	Resp: 341
Ion Ratio	Lower Upper
83 100	
131 248.7	5.5 16.5#
85 0.0	32.4 97.2#

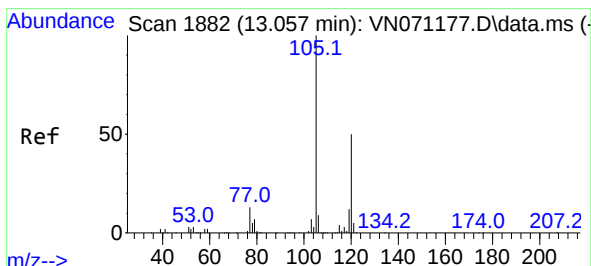
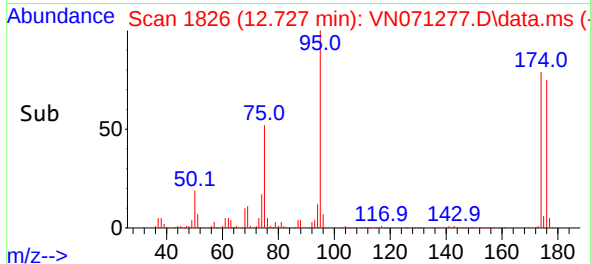
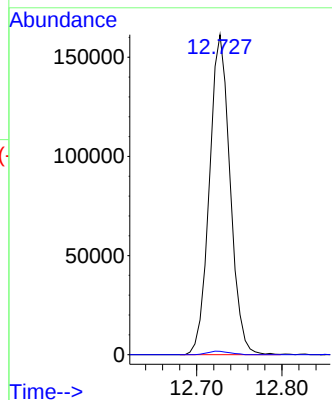
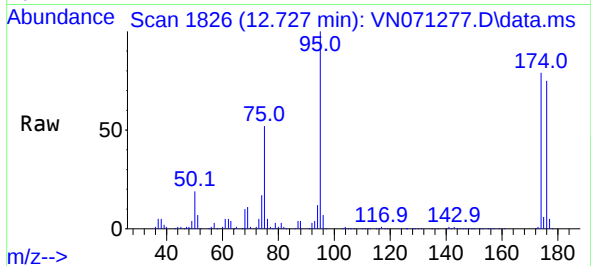




#76
1,2,3-Trichloropropane
Concen: 23.820 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

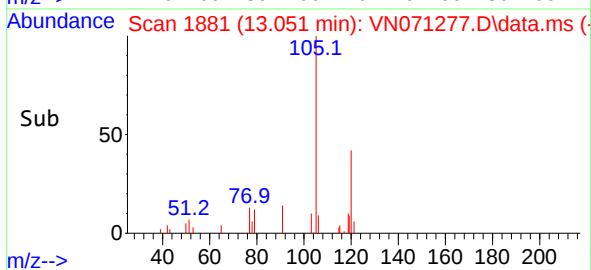
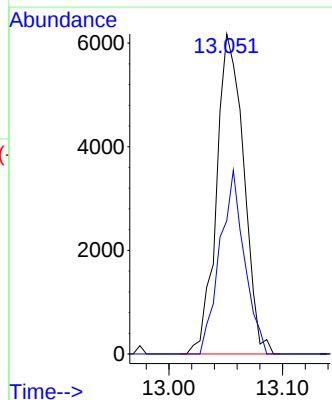
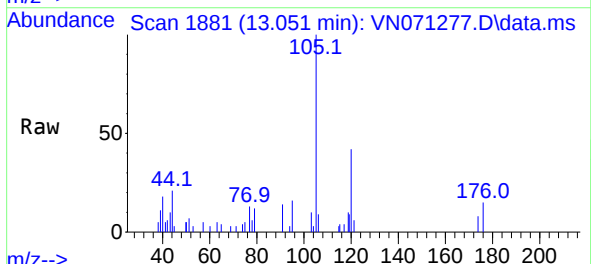
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#09

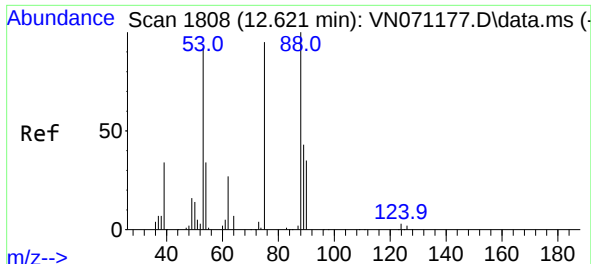
Tgt Ion: 75 Resp: 271878
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.309 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.006 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

Tgt Ion:105 Resp: 10267
Ion Ratio Lower Upper
105 100
120 51.9 24.6 73.6

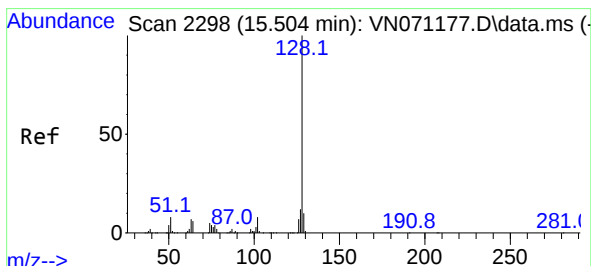
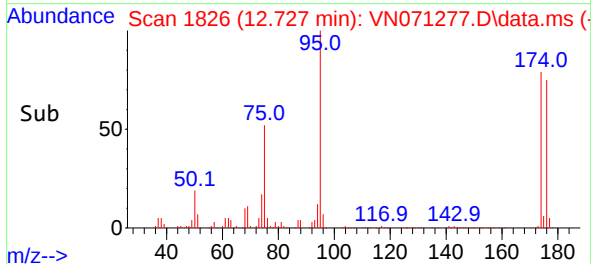
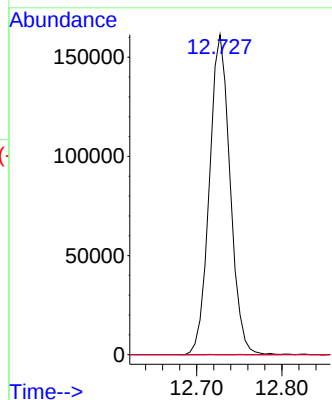
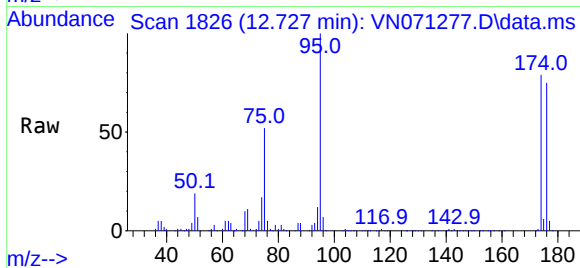




#81
trans-1,4-Dichloro-2-butene
Concen: 66.280 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#09

Tgt Ion: 75 Resp: 271878
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 5.085 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN071277.D
Acq: 14 Mar 2022 19:39

Tgt Ion: 128 Resp: 400
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

