

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031422\
 Data File : VN071278.D
 Acq On : 14 Mar 2022 20:03
 Operator : JC\MD
 Sample : PB143286ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143286ZHE#10

Quant Time: Mar 15 02:55:39 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)

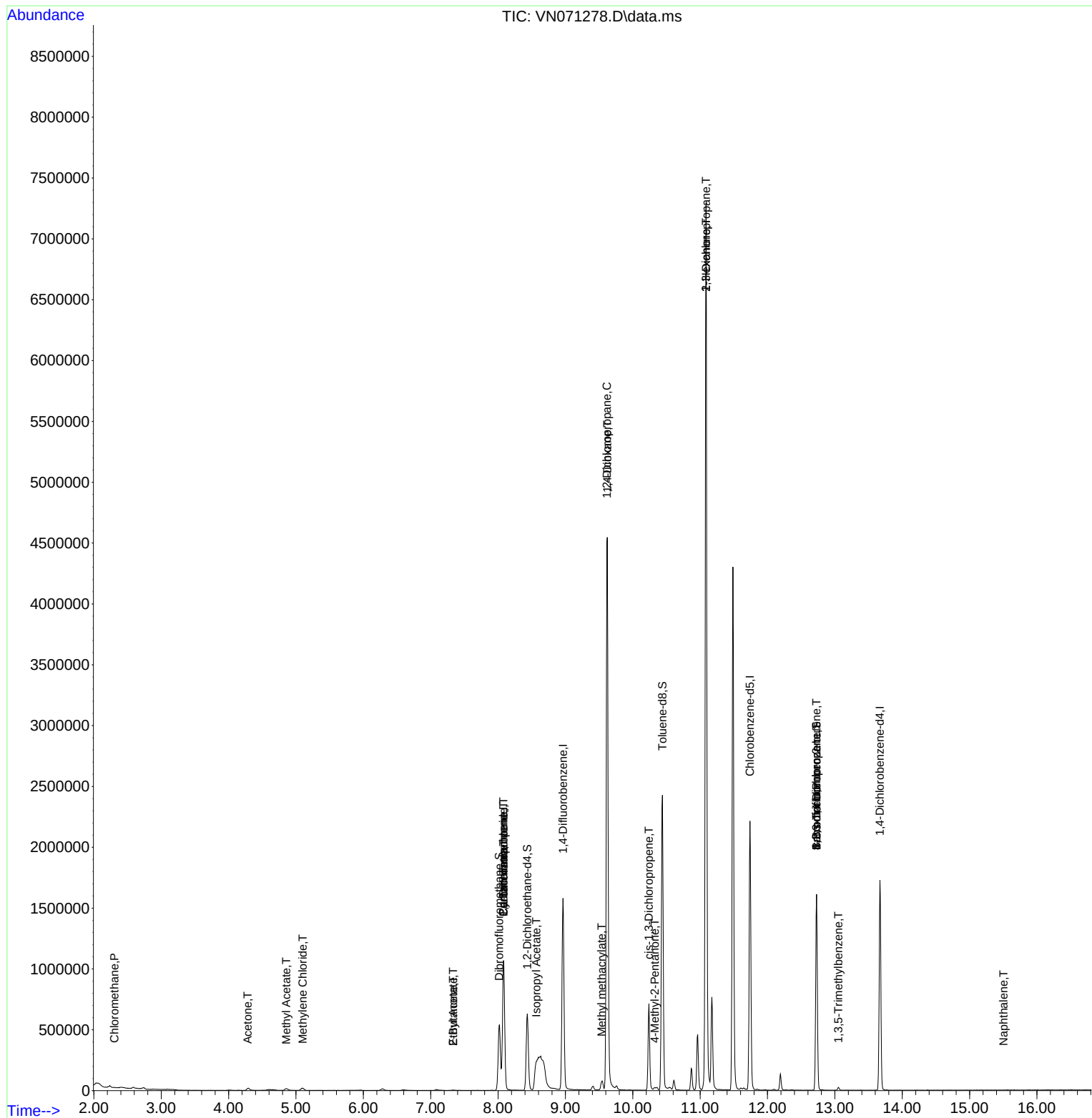
Internal Standards						
1) Pentafluorobenzene	8.081	168	817442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1371165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1258857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	472002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	519854	46.402	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.800%		
35) Dibromofluoromethane	8.016	113	400209	46.253	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.500%		
50) Toluene-d8	10.439	98	1686831	48.420	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.840%		
62) 4-Bromofluorobenzene	12.727	95	556683	47.189	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.380%		
Target Compounds						Qvalue
3) Chloromethane	2.305	50	2929	0.209	ug/l	97
5) Bromomethane	2.881	94	876	Below Cal		92
16) Acetone	4.281	43	34203	6.274	ug/l	91
18) Methyl Acetate	4.857	43	34055	2.774	ug/l	95
20) Methylene Chloride	5.099	84	14653	1.841	ug/l	93
25) 2-Butanone	7.334	43	6711	0.764	ug/l	93
31) Cyclohexane	8.081	56	17383	0.972	ug/l #	13
36) 1,1-Dichloropropene	8.081	75	64458	4.650	ug/l #	49
37) Ethyl Acetate	7.334	43	6711	0.352	ug/l #	68
38) Carbon Tetrachloride	8.081	117	81666	6.090	ug/l #	16
43) Isopropyl Acetate	8.569	43	200015	7.010	ug/l #	73
45) 1,2-Dichloropropane	9.616	63	5623	0.501	ug/l #	44
48) Methyl methacrylate	9.539	41	21763	1.646	ug/l #	8
49) 1,4-Dioxane	9.622	88	587	2.554	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	14991	0.847	ug/l	98
54) cis-1,3-Dichloropropene	10.239	75	122049	7.266	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	75079	4.058	ug/l #	43
59) 2-Hexanone	11.086	43	1169529	96.804	ug/l #	49
71) Bromoform	12.727	173	3480	0.462	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.792	83	70	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	283490	23.273	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.051	105	9549	0.270	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.727	75	283490	64.926	ug/l #	5
95) Naphthalene	15.504	128	177	5.075	ug/l #	69

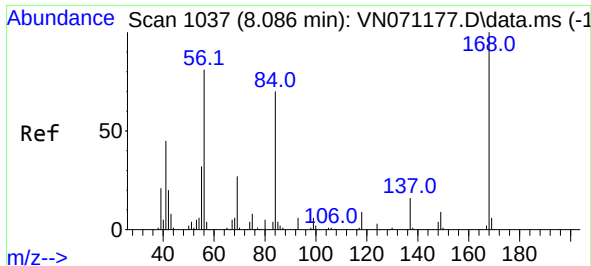
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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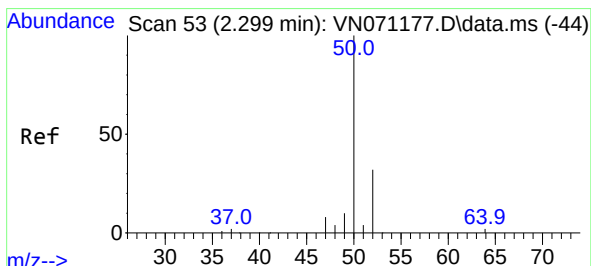
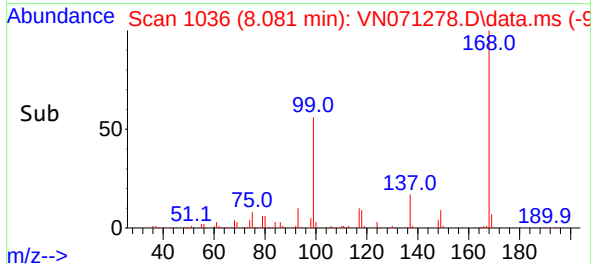
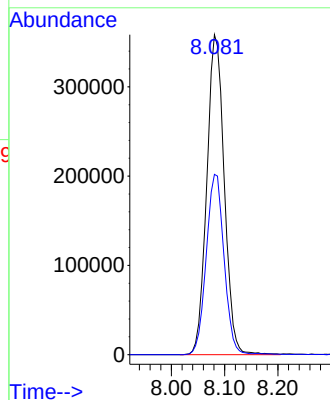
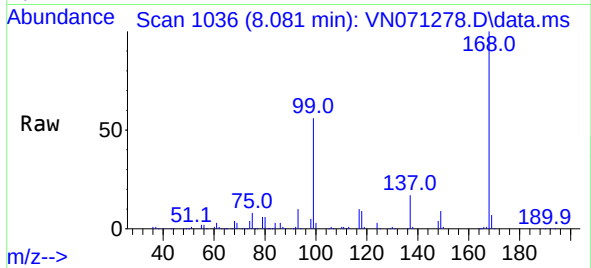




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

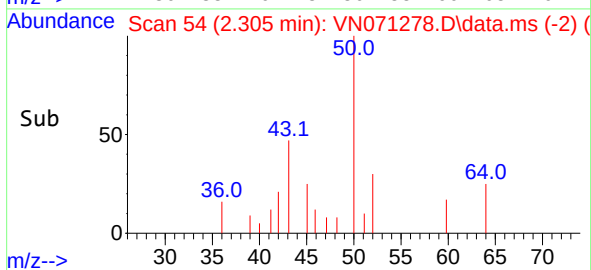
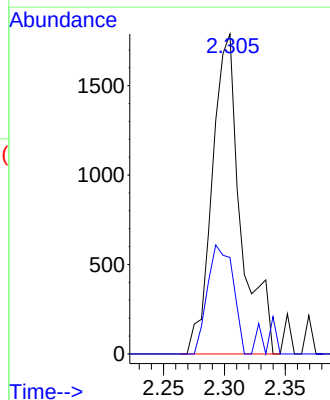
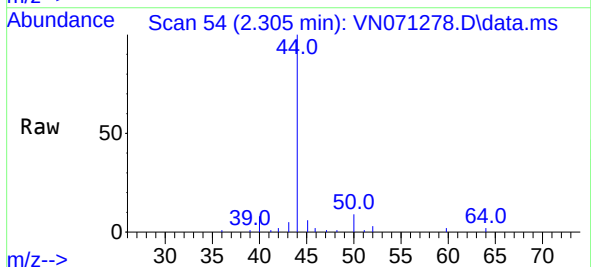
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#10

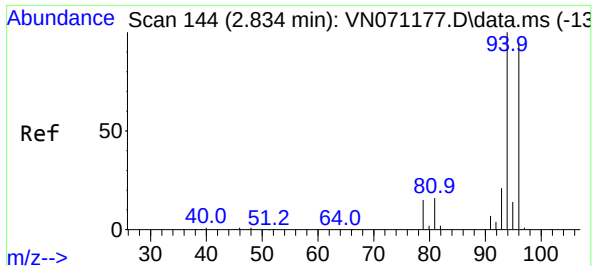
Tgt Ion:168 Resp: 817442
Ion Ratio Lower Upper
168 100
99 56.4 41.3 61.9



#3
Chloromethane
Concen: 0.209 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

Tgt Ion: 50 Resp: 2929
Ion Ratio Lower Upper
50 100
52 30.1 25.4 38.0

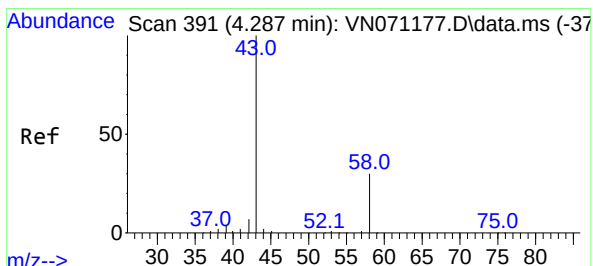
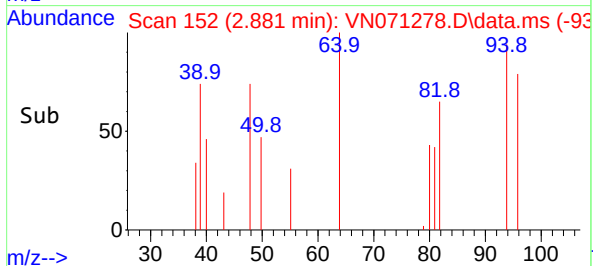
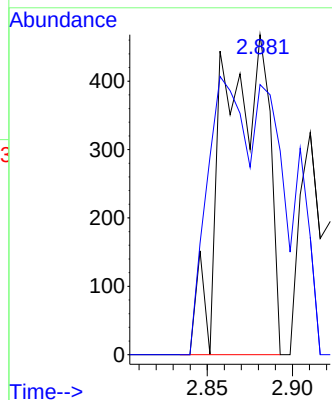
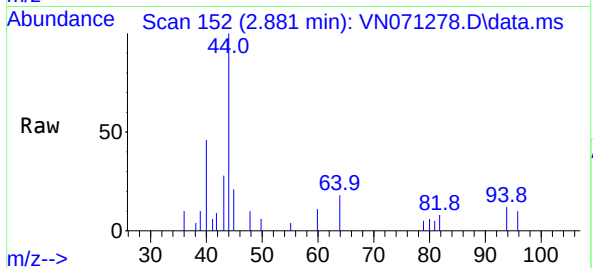




#5
Bromomethane
Concen: Below Cal
RT: 2.881 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

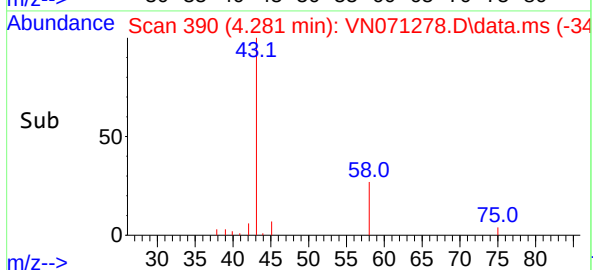
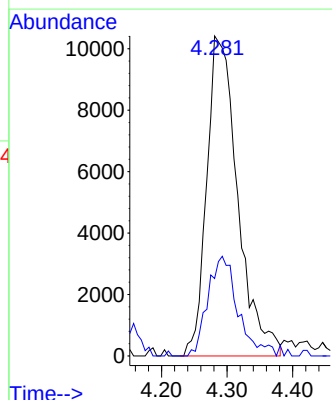
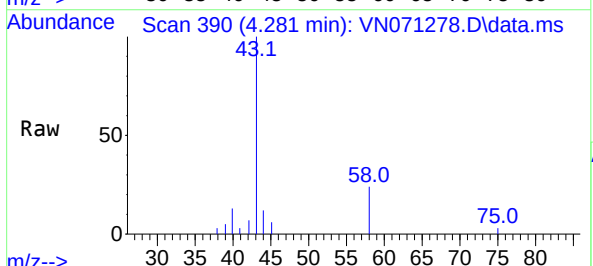
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#10

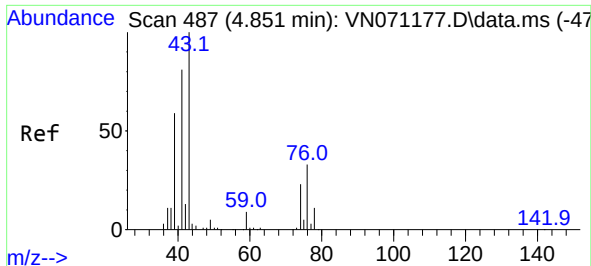
Tgt Ion: 94 Resp: 876
Ion Ratio Lower Upper
94 100
96 84.4 73.8 110.8



#16
Acetone
Concen: 6.274 ug/l
RT: 4.281 min Scan# 390
Delta R.T. -0.006 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

Tgt Ion: 43 Resp: 34203
Ion Ratio Lower Upper
43 100
58 24.2 23.1 34.7

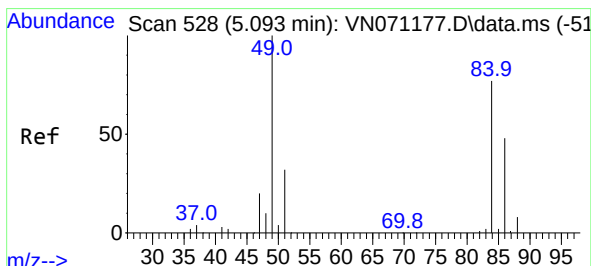
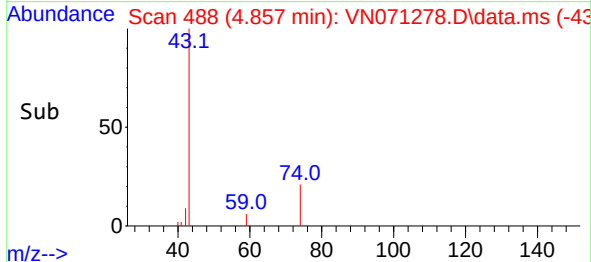
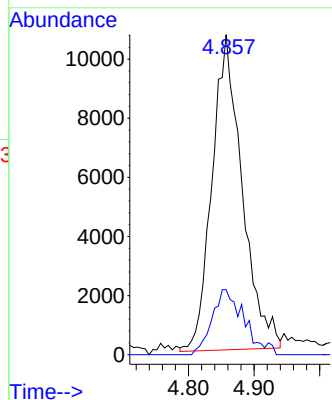
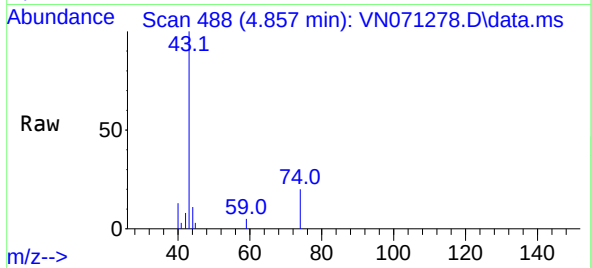




#18
Methyl Acetate
Concen: 2.774 ug/l
RT: 4.857 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

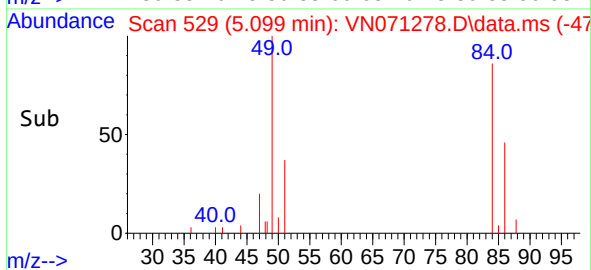
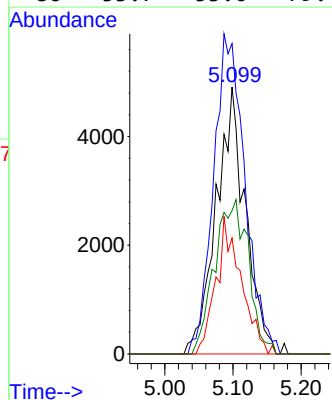
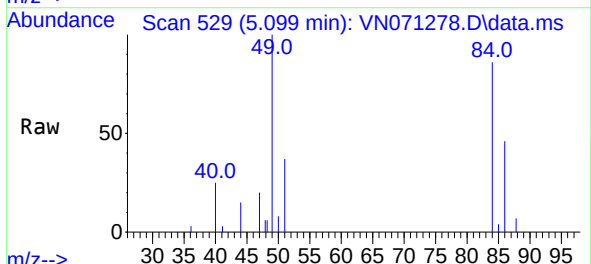
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#10

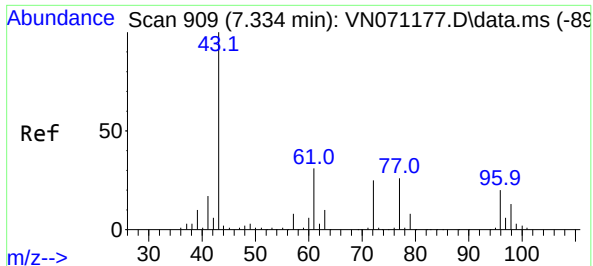
Tgt Ion: 43 Resp: 34055
Ion Ratio Lower Upper
43 100
74 21.9 19.4 29.2



#20
Methylene Chloride
Concen: 1.841 ug/l
RT: 5.099 min Scan# 529
Delta R.T. 0.006 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

Tgt Ion: 84 Resp: 14653
Ion Ratio Lower Upper
84 100
49 116.3 93.5 140.3
51 43.4 29.4 44.2
86 53.7 53.0 79.4





#25

2-Butanone

Concen: 0.764 ug/l

RT: 7.334 min Scan# 909

Delta R.T. 0.000 min

Lab File: VN071278.D

Acq: 14 Mar 2022 20:03

Instrument :

MSVOA_N

ClientSampleId :

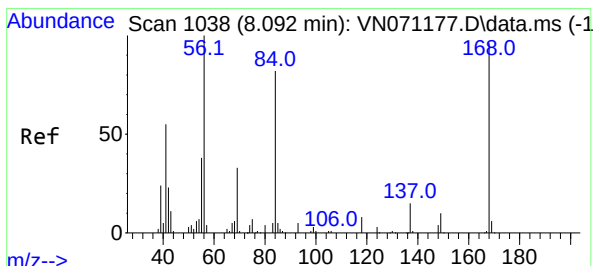
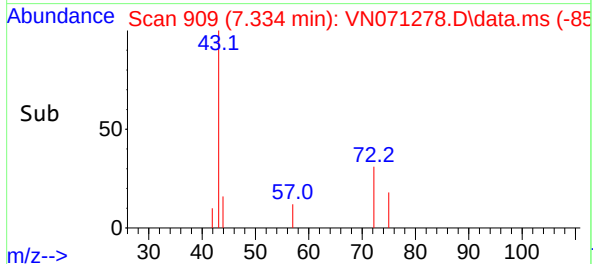
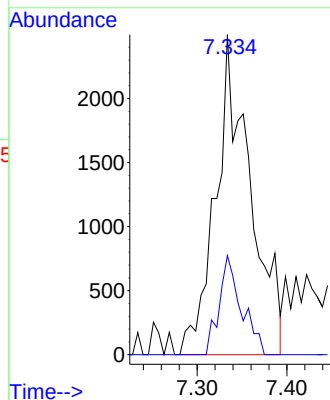
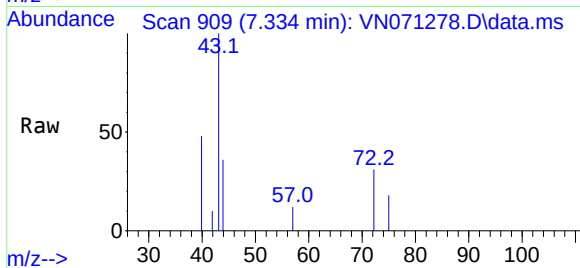
PB143286ZHE#10

Tgt Ion: 43 Resp: 6711

Ion Ratio Lower Upper

43 100

72 30.9 21.7 32.5



#31

Cyclohexane

Concen: 0.972 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071278.D

Acq: 14 Mar 2022 20:03

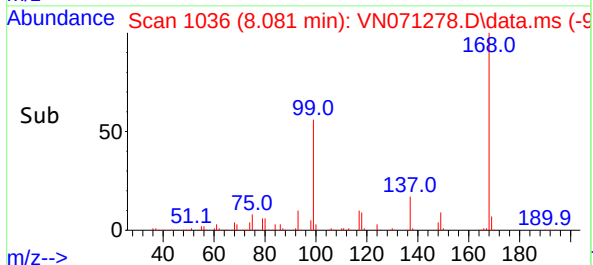
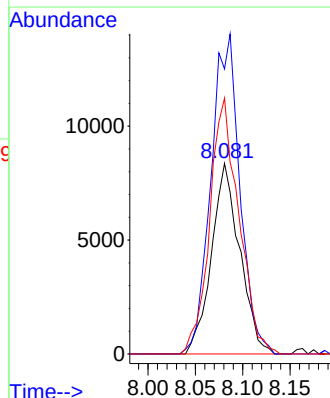
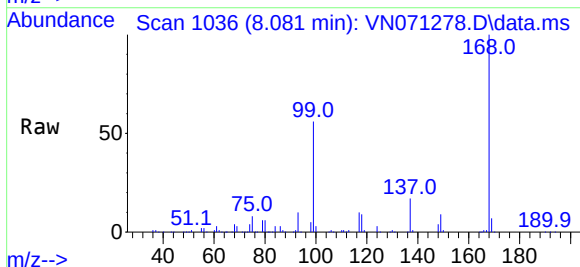
Tgt Ion: 56 Resp: 17383

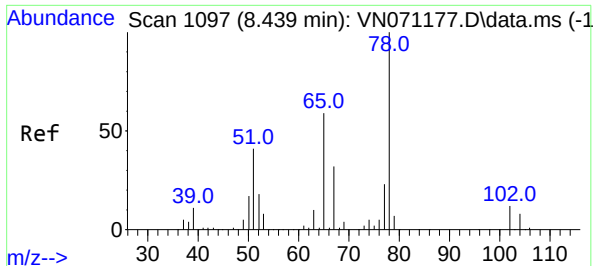
Ion Ratio Lower Upper

56 100

69 149.5 27.1 40.7#

84 134.2 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 46.402 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071278.D

Acq: 14 Mar 2022 20:03

Instrument :

MSVOA_N

ClientSampleId :

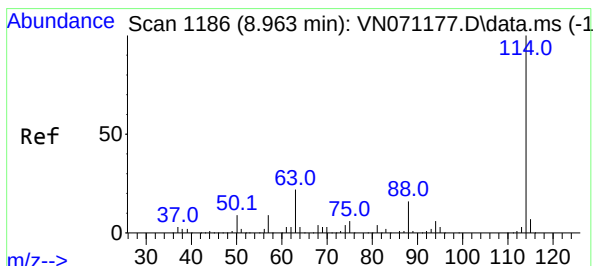
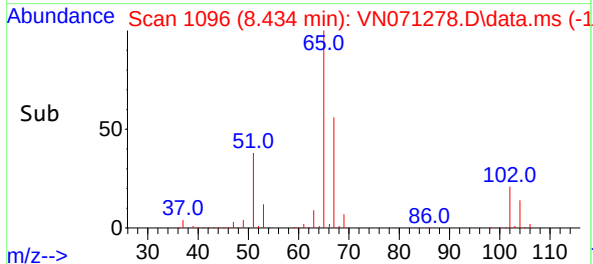
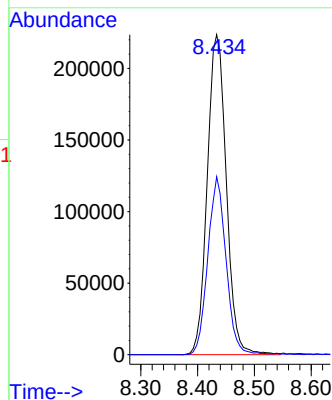
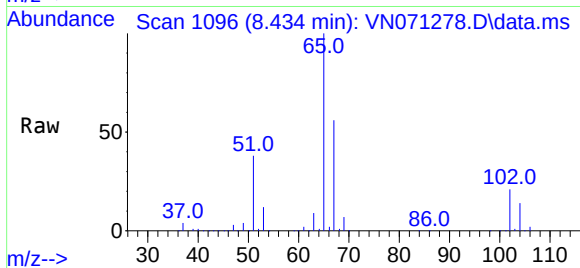
PB143286ZHE#10

Tgt Ion: 65 Resp: 519854

Ion Ratio Lower Upper

65 100

67 53.2 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: VN071278.D

Acq: 14 Mar 2022 20:03

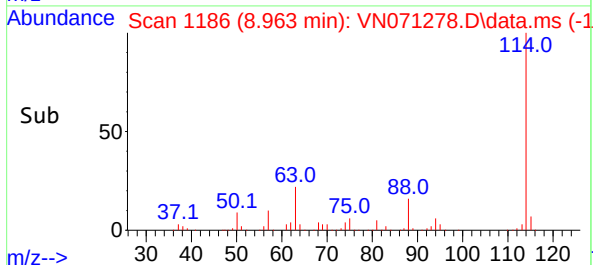
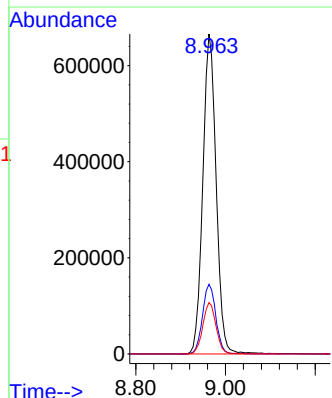
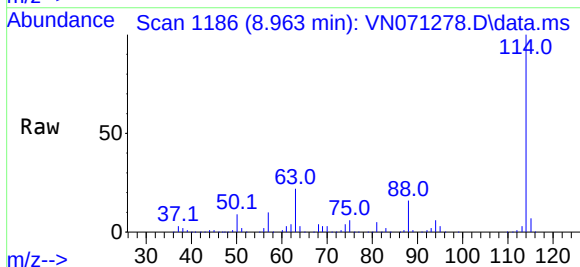
Tgt Ion: 114 Resp: 1371165

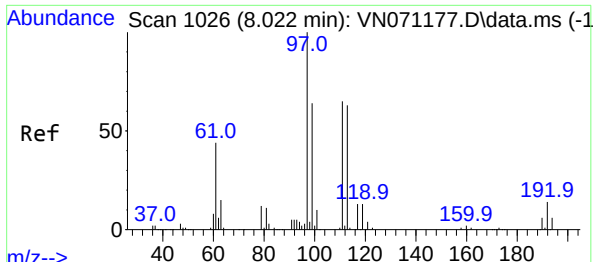
Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

88 16.0 0.0 27.4

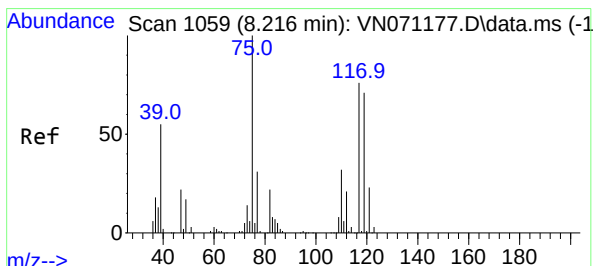
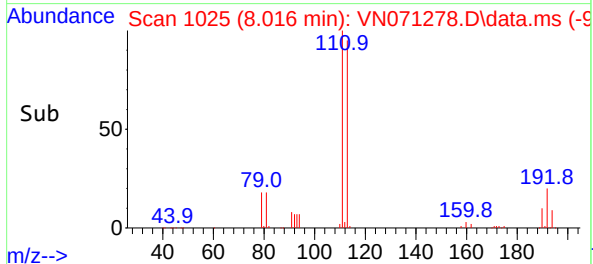
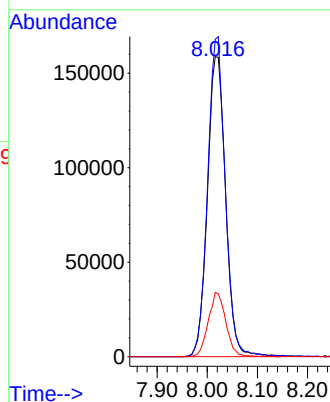
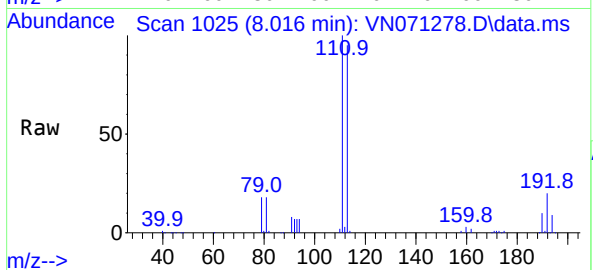




#35
Dibromofluoromethane
Concen: 46.253 ug/l
RT: 8.016 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

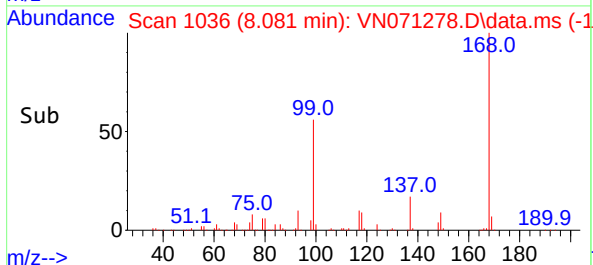
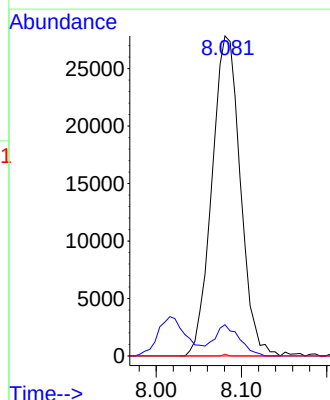
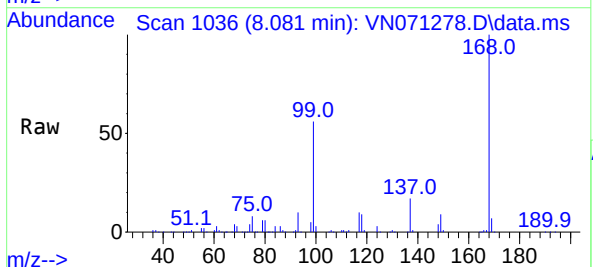
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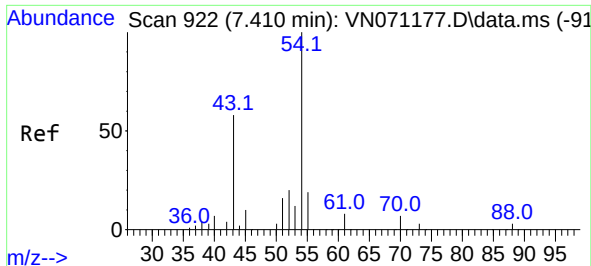
Tgt Ion:113 Resp: 400209
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 20.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.650 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

Tgt Ion: 75 Resp: 64458
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.1 24.4 36.6#

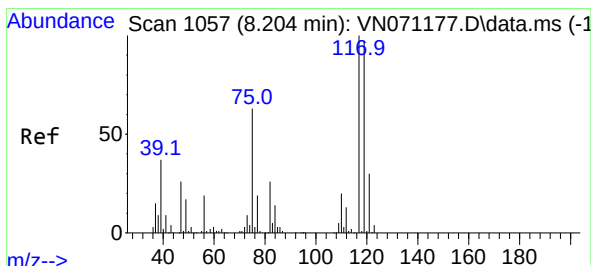
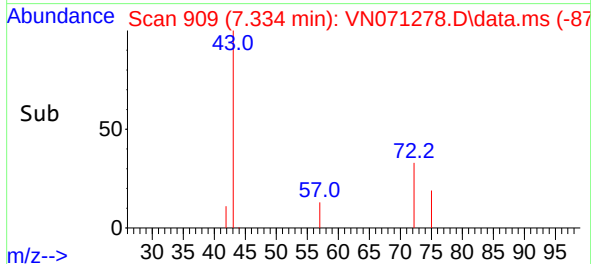
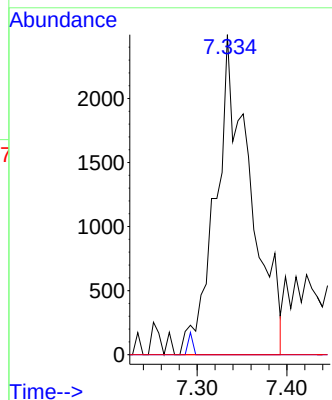
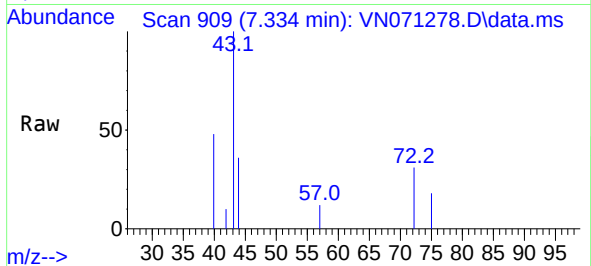




#37
Ethyl Acetate
Concen: 0.352 ug/l
RT: 7.334 min Scan# 90
Delta R.T. -0.076 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

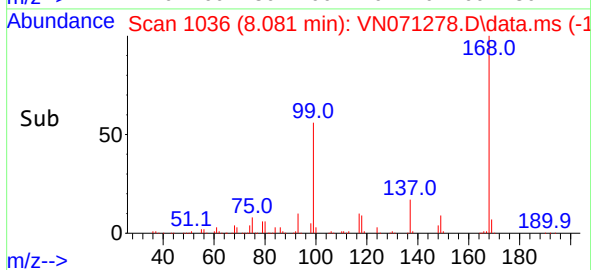
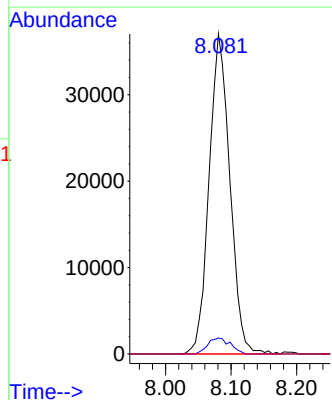
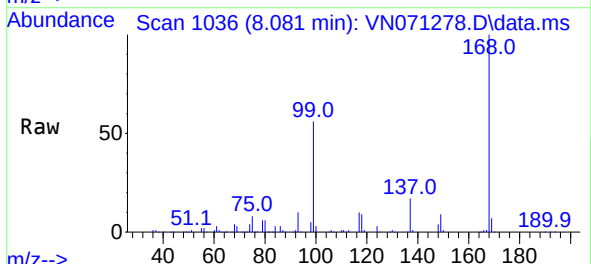
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#10

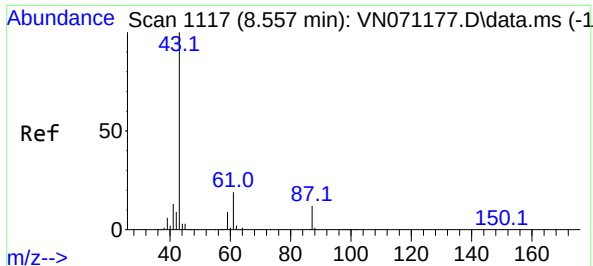
Tgt Ion: 43 Resp: 6711
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.090 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

Tgt Ion: 117 Resp: 81666
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#

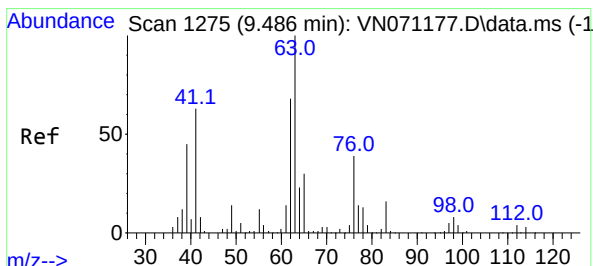
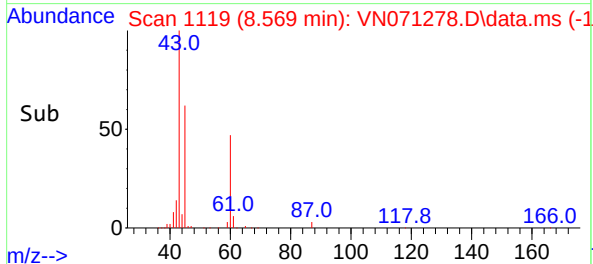
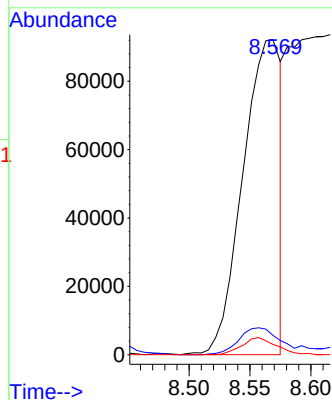
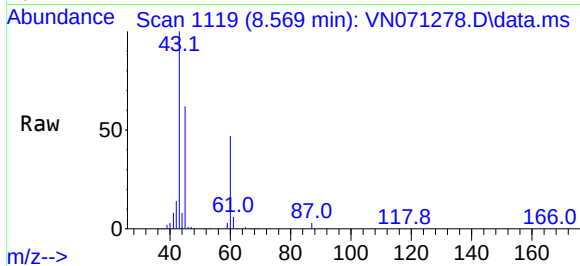




#43
Isopropyl Acetate
Concen: 7.010 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.012 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

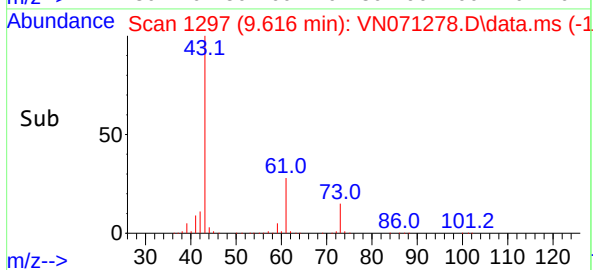
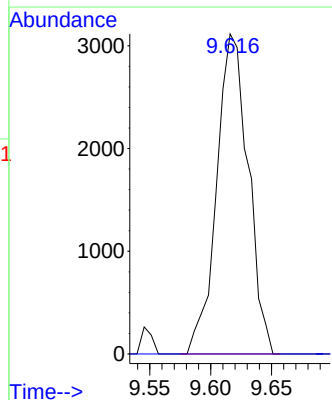
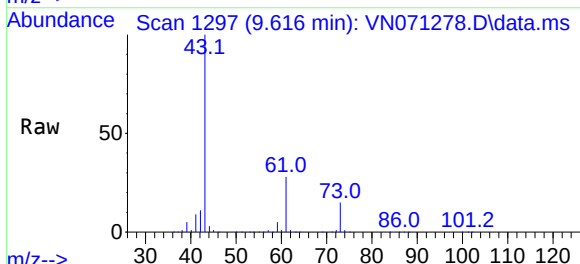
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#10

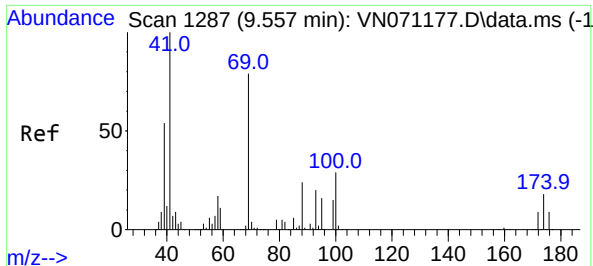
Tgt Ion: 43 Resp: 200015
Ion Ratio Lower Upper
43 100
61 10.5 20.4 30.6#
87 4.9 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.501 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

Tgt Ion: 63 Resp: 5623
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

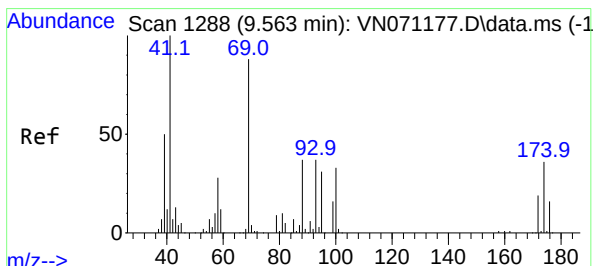
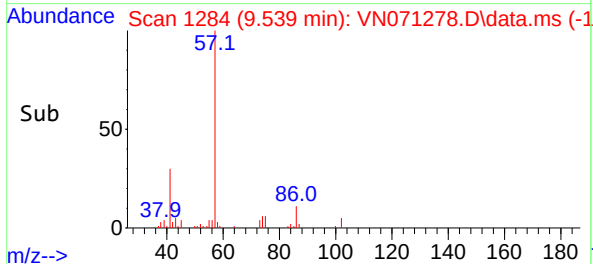
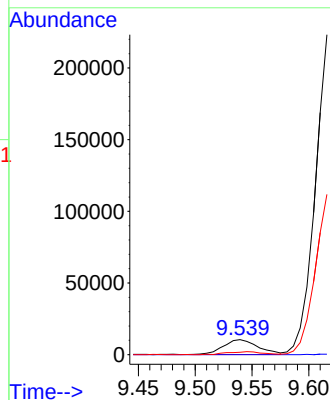
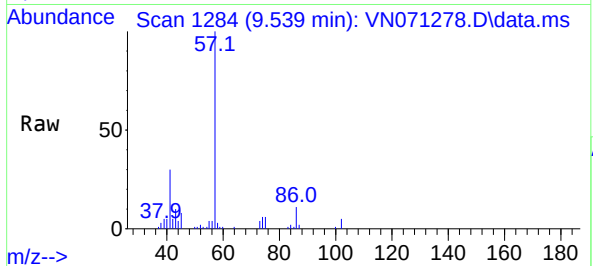




#48
Methyl methacrylate
Concen: 1.646 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.018 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

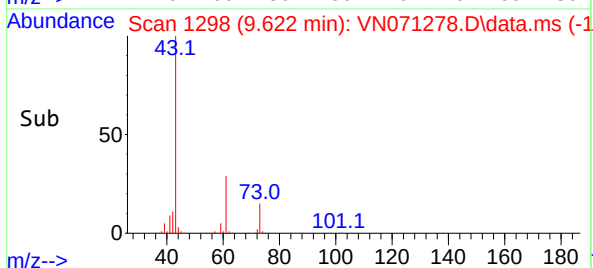
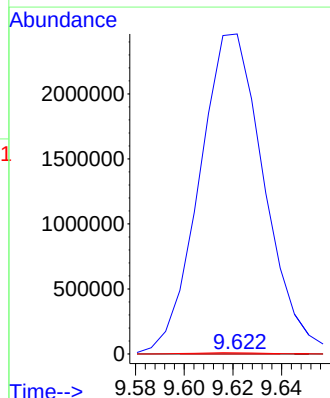
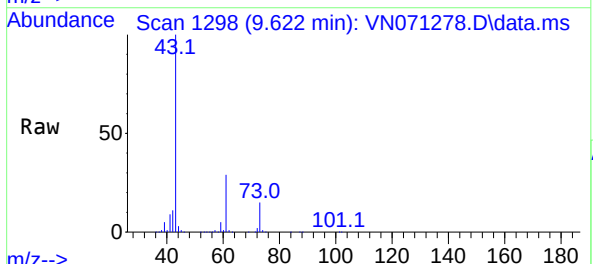
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#10

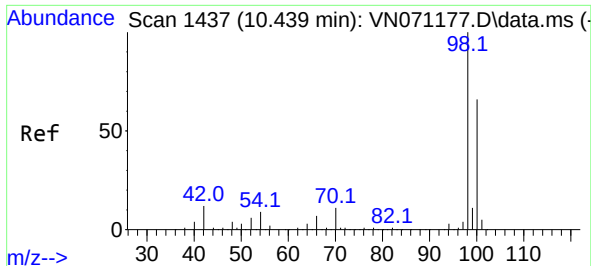
Tgt Ion: 41 Resp: 21763
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 2.554 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

Tgt Ion: 88 Resp: 587
Ion Ratio Lower Upper
88 100
43 795418.4 23.4 35.2#
58 3299.1 50.6 75.8#

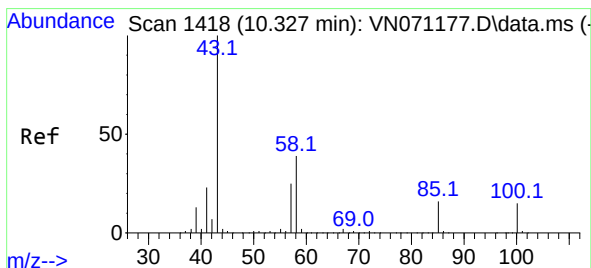
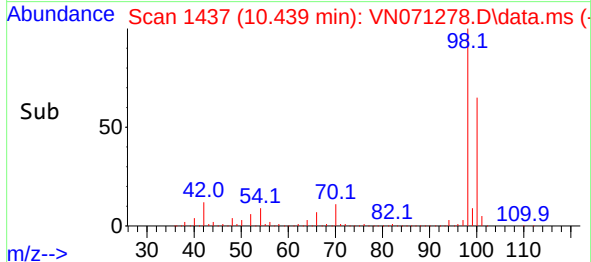
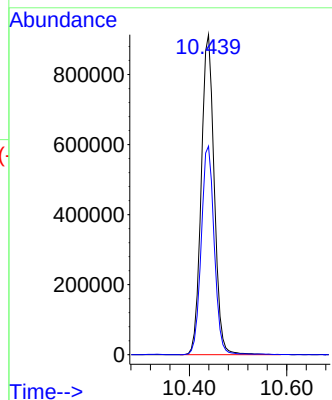
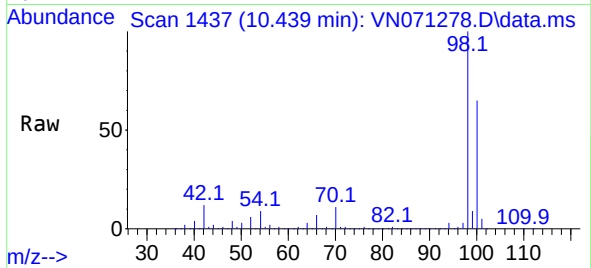




#50
Toluene-d8
Concen: 48.420 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

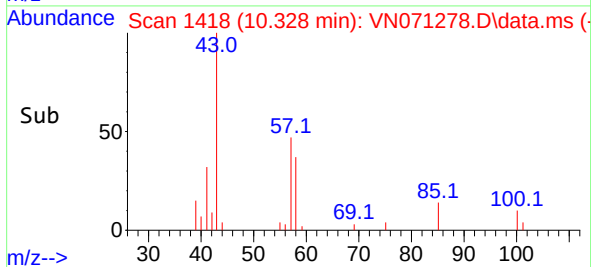
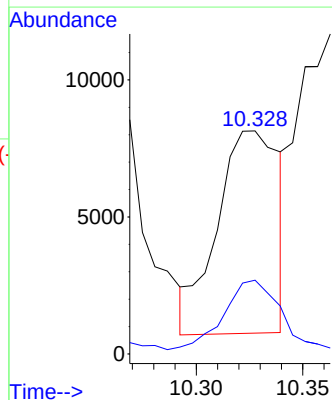
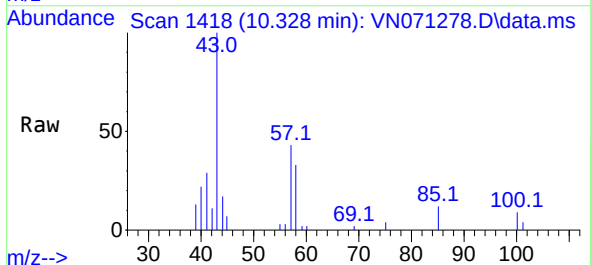
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#10

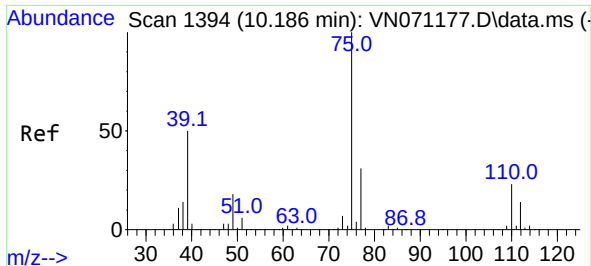
Tgt Ion: 98 Resp: 1686831
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.847 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

Tgt Ion: 43 Resp: 14991
Ion Ratio Lower Upper
43 100
58 36.8 30.4 45.6

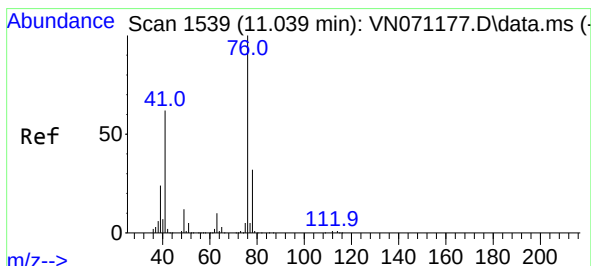
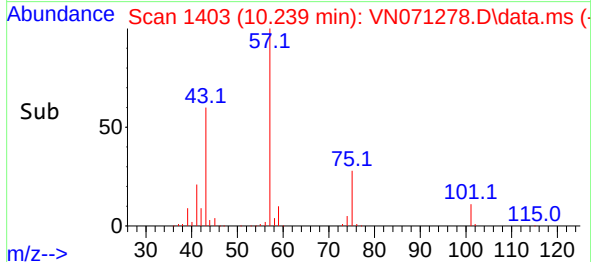
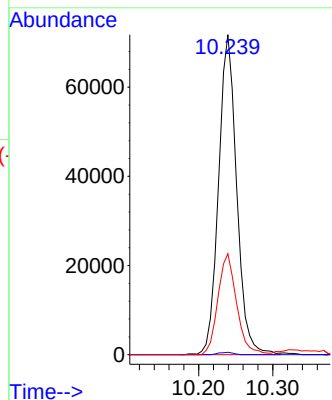
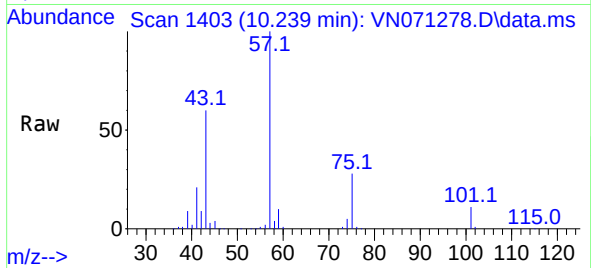




#54
cis-1,3-Dichloropropene
Concen: 7.266 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

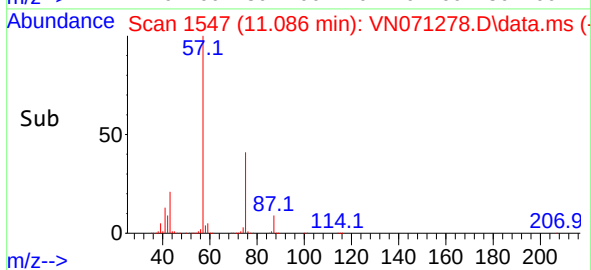
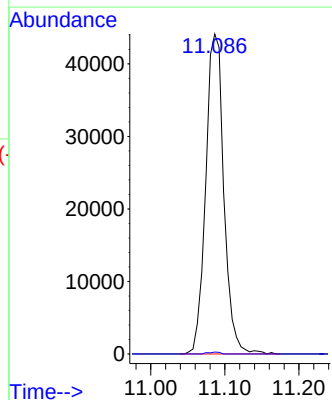
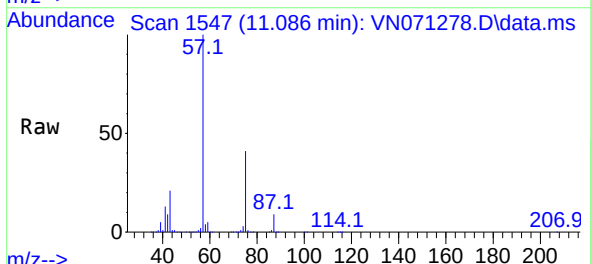
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#10

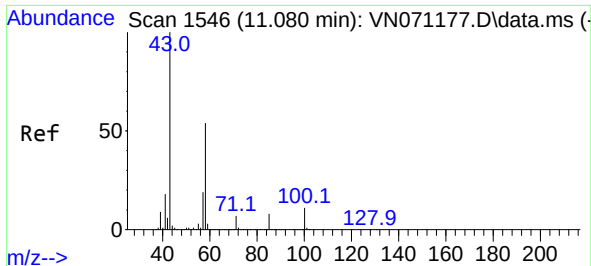
Tgt Ion: 75 Resp: 122049
Ion Ratio Lower Upper
75 100
77 0.8 26.4 39.6#
39 31.6 42.5 63.7#



#57
1,3-Dichloropropane
Concen: 4.058 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

Tgt Ion: 76 Resp: 75079
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

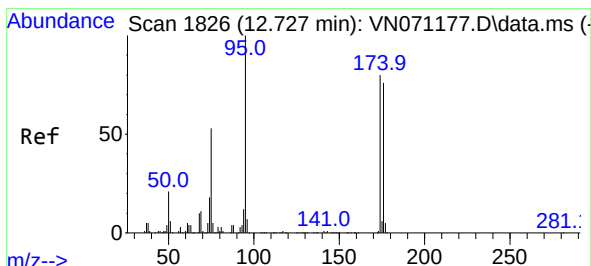
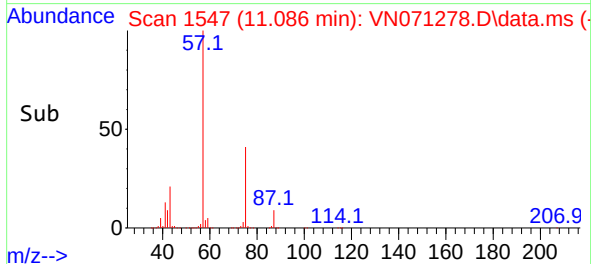
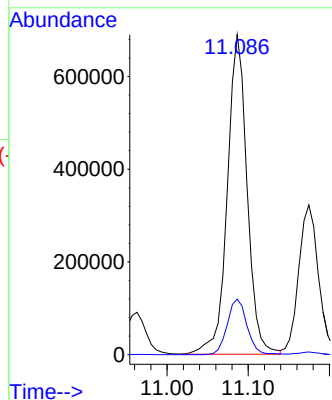
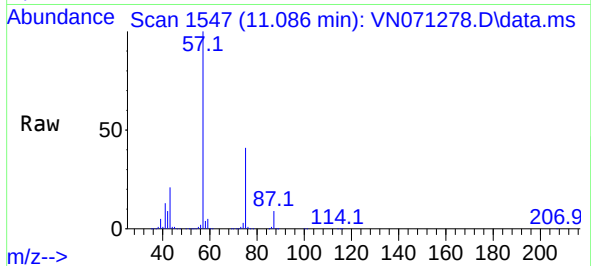




#59
2-Hexanone
Concen: 96.804 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

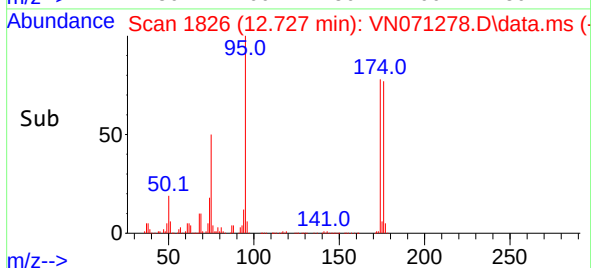
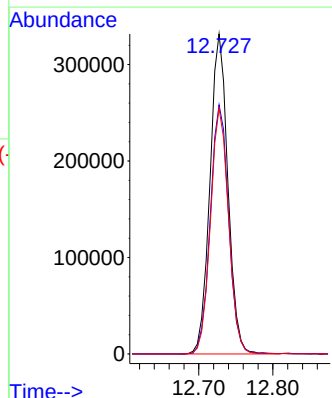
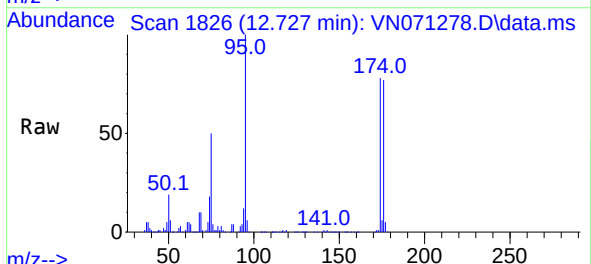
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#10

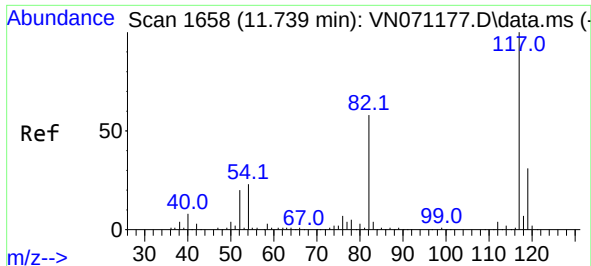
Tgt Ion: 43 Resp: 1169529
Ion Ratio Lower Upper
43 100
58 17.4 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 47.189 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

Tgt Ion: 95 Resp: 556683
Ion Ratio Lower Upper
95 100
174 79.9 0.0 187.2
176 77.5 0.0 181.4

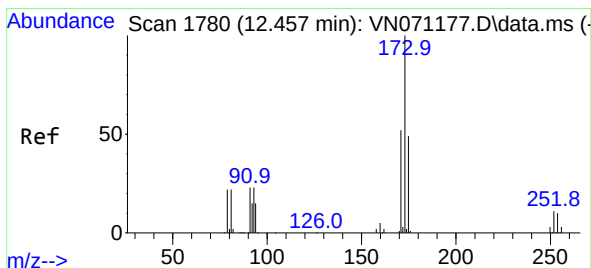
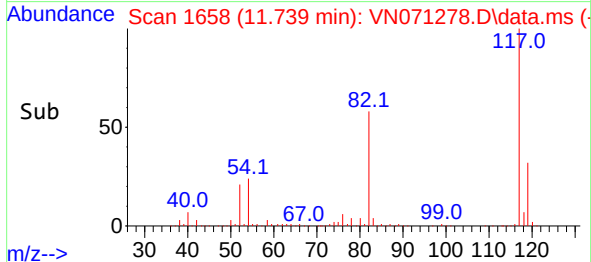
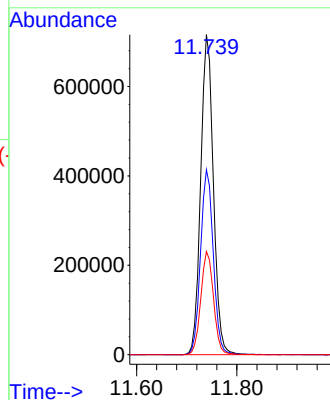
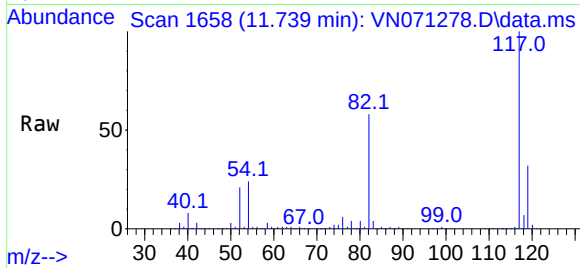




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

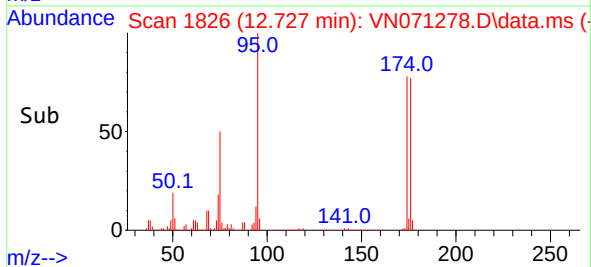
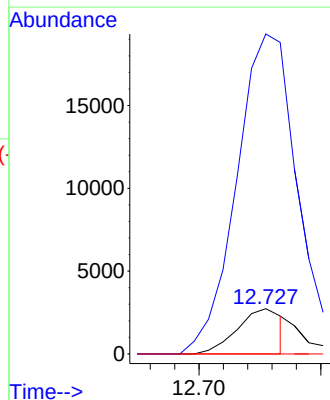
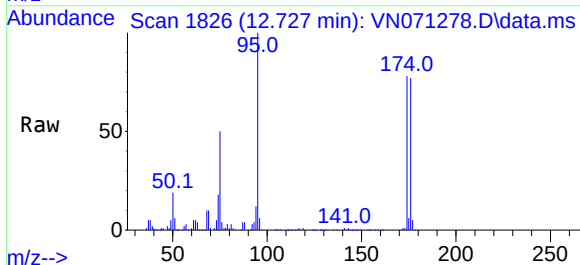
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#10

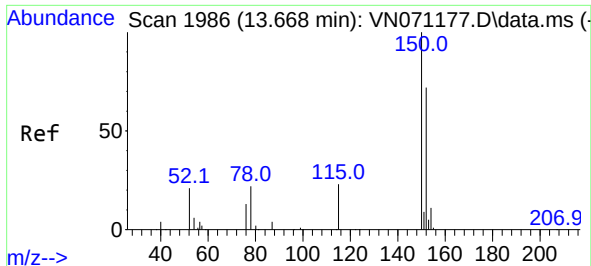
Tgt Ion:117 Resp: 1258857
Ion Ratio Lower Upper
117 100
82 57.8 42.4 63.6
119 32.2 25.4 38.2



#71
Bromoform
Concen: 0.462 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

Tgt Ion:173 Resp: 3480
Ion Ratio Lower Upper
173 100
175 750.1 24.2 72.6#
254 0.0 0.0 0.0

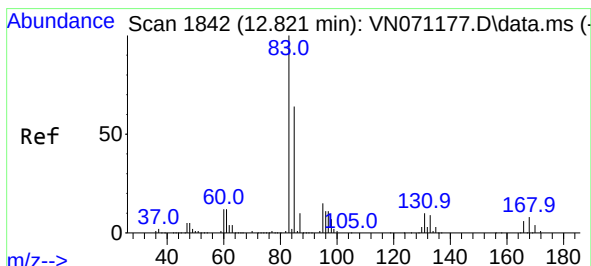
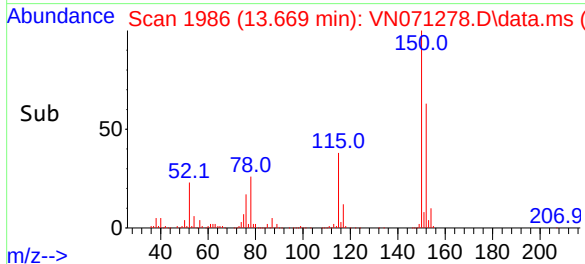
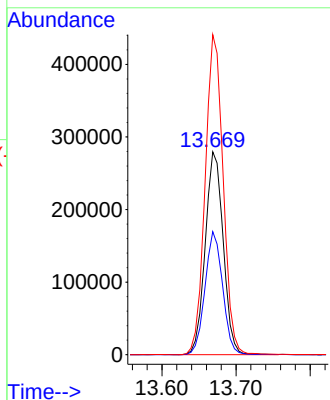
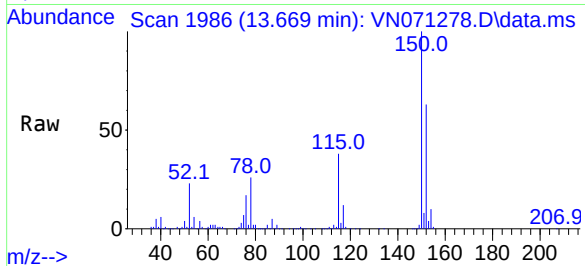




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. 0.001 min
 Lab File: VN071278.D
 Acq: 14 Mar 2022 20:03

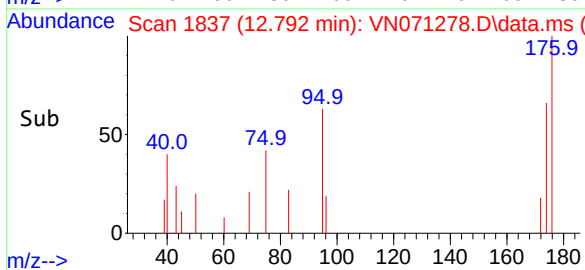
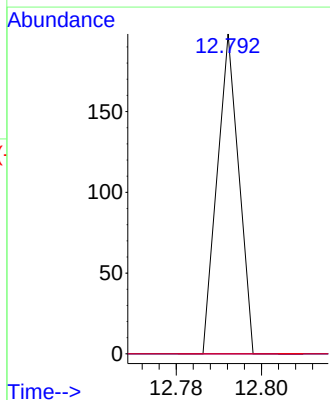
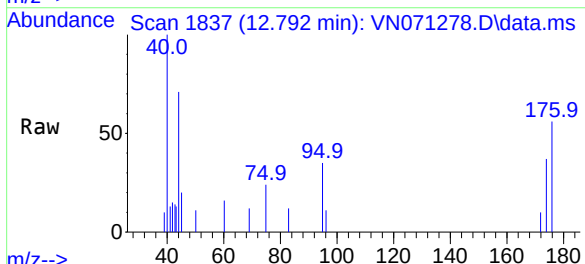
Instrument :
 MSVOA_N
 ClientSampleId :
 PB143286ZHE#10

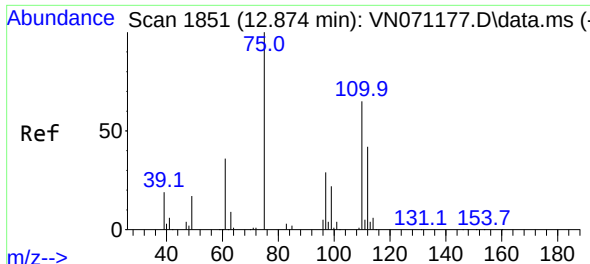
Tgt Ion:152 Resp: 472002
 Ion Ratio Lower Upper
 152 100
 115 59.4 27.5 82.5
 150 157.8 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.792 min Scan# 1837
 Delta R.T. -0.029 min
 Lab File: VN071278.D
 Acq: 14 Mar 2022 20:03

Tgt Ion: 83 Resp: 70
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 0.0 32.4 97.2#

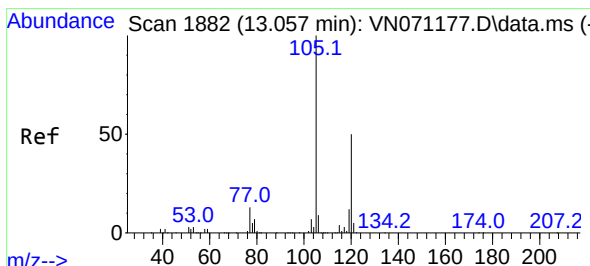
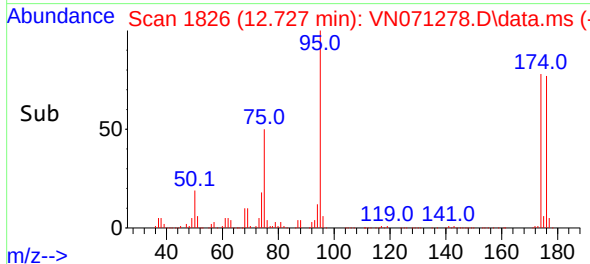
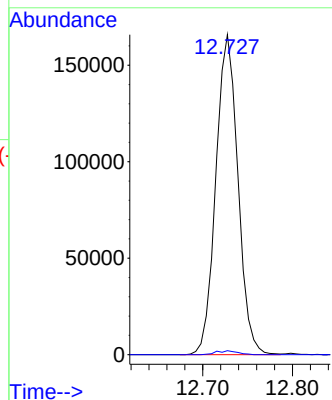
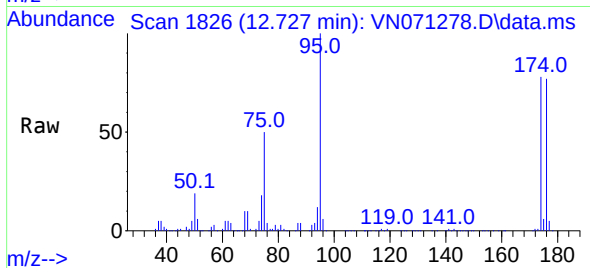




#76
1,2,3-Trichloropropane
Concen: 23.273 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

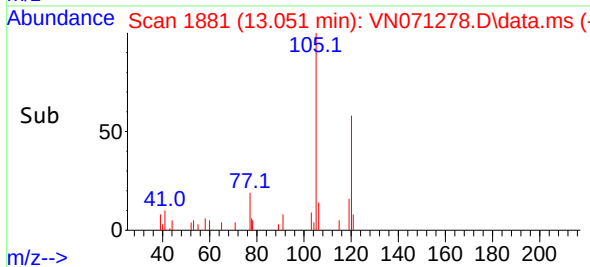
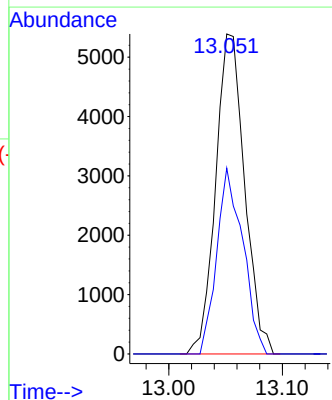
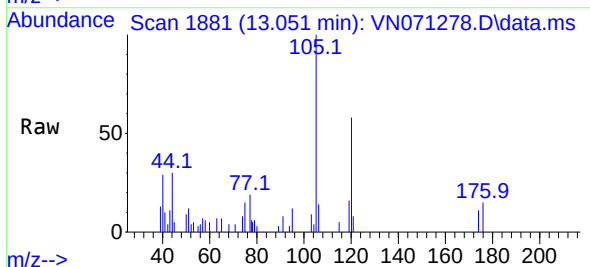
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#10

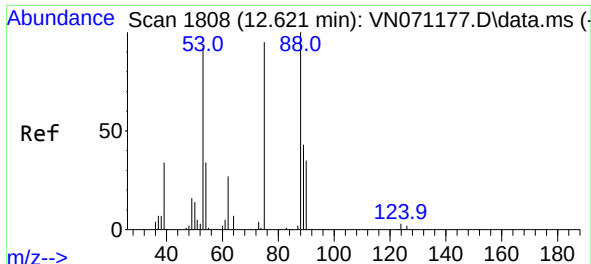
Tgt Ion: 75 Resp: 283490
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.270 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.006 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

Tgt Ion:105 Resp: 9549
Ion Ratio Lower Upper
105 100
120 52.1 24.6 73.6

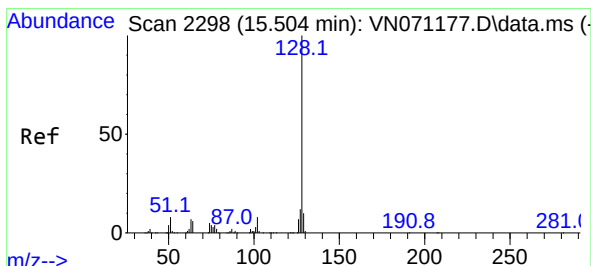
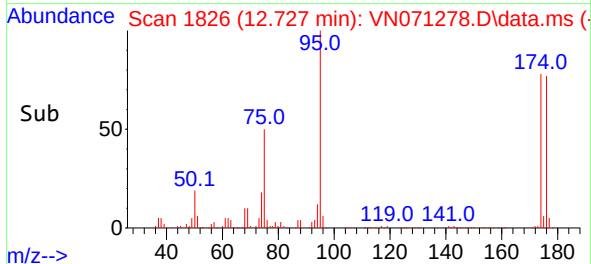
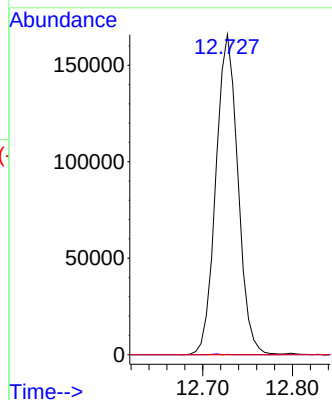
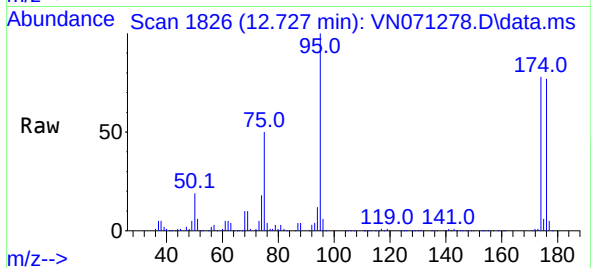




#81
trans-1,4-Dichloro-2-butene
Concen: 64.926 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#10

Tgt Ion: 75 Resp: 283490
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 5.075 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071278.D
Acq: 14 Mar 2022 20:03

Tgt Ion: 128 Resp: 177
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

