

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032522\
 Data File : VN071551.D
 Acq On : 25 Mar 2022 16:42
 Operator : JC\MD
 Sample : PB143557ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143557ZHE#10

Quant Time: Mar 26 04:03:54 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)

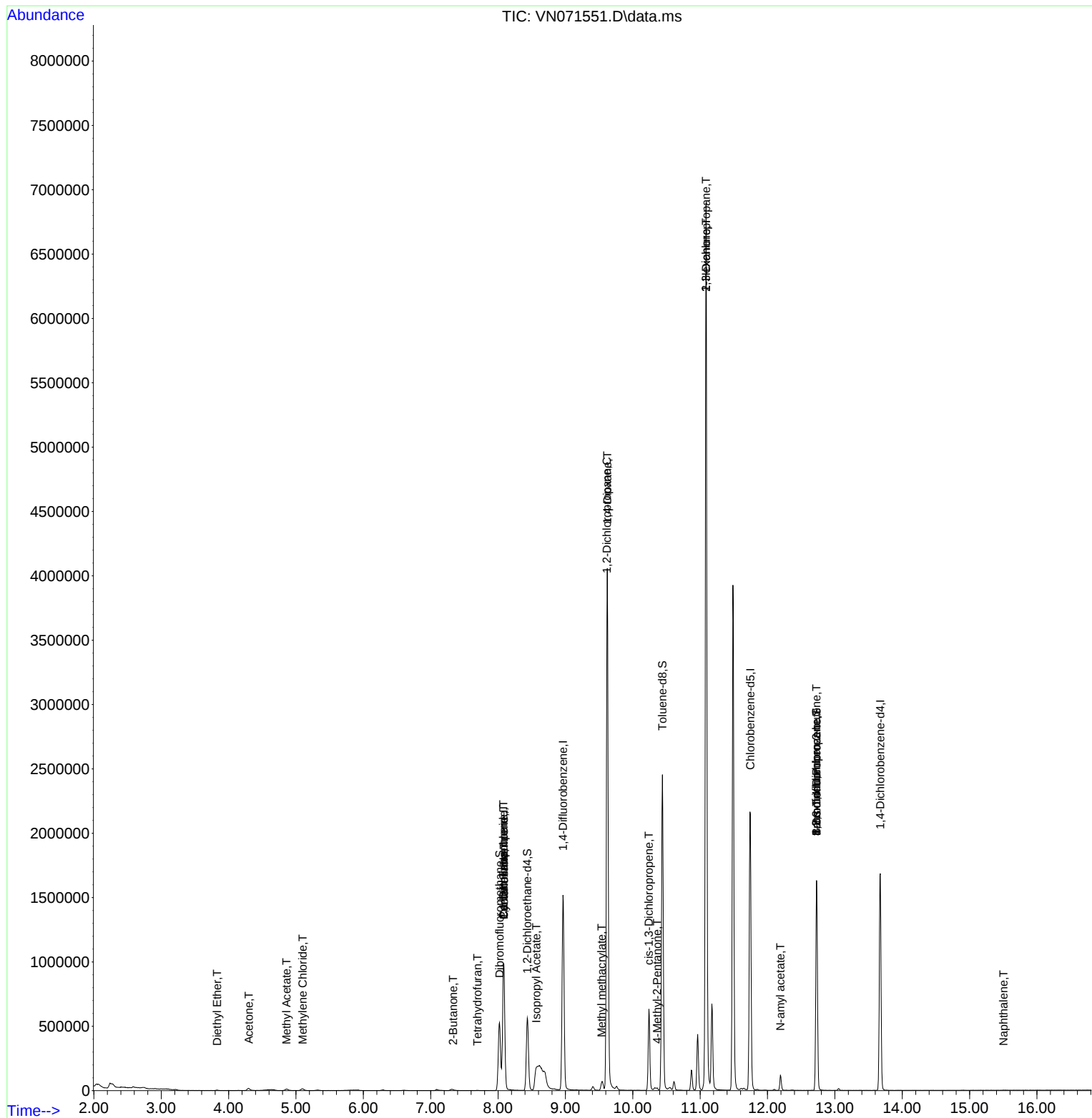
Internal Standards						
1) Pentafluorobenzene	8.086	168	815210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1398279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1377764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	504361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	476224	47.020	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.040%		
35) Dibromofluoromethane	8.022	113	394094	44.846	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	89.700%		
50) Toluene-d8	10.439	98	1749027	49.344	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.680%		
62) 4-Bromofluorobenzene	12.727	95	578855	49.840	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.680%		
Target Compounds						Qvalue
3) Chloromethane	2.298	50	4034	Below Cal		95
8) Diethyl Ether	3.828	74	1684	0.305 ug/l #		45
16) Acetone	4.298	43	28314	6.820 ug/l		95
18) Methyl Acetate	4.857	43	24959	1.077 ug/l		97
20) Methylene Chloride	5.098	84	11423	1.181 ug/l #		95
25) 2-Butanone	7.333	43	2678	0.402 ug/l #		74
29) Tetrahydrofuran	7.692	42	1181	0.267 ug/l #		92
31) Cyclohexane	8.086	56	14692	1.014 ug/l #		1
36) 1,1-Dichloropropene	8.080	75	56507	4.460 ug/l #		49
38) Carbon Tetrachloride	8.080	117	75668	6.127 ug/l #		17
43) Isopropyl Acetate	8.569	43	232332	10.199 ug/l #		68
45) 1,2-Dichloropropane	9.616	63	5253	0.538 ug/l #		44
48) Methyl methacrylate	9.539	41	18734	1.879 ug/l #		10
49) 1,4-Dioxane	9.622	88	635	2.760 ug/l #		1
51) 4-Methyl-2-Pentanone	10.363	43	26506	1.917 ug/l #		33
54) cis-1,3-Dichloropropene	10.239	75	118442	7.664 ug/l #		62
57) 1,3-Dichloropropane	11.086	76	77277	4.589 ug/l #		43
59) 2-Hexanone	11.086	43	993463	99.669 ug/l #		47
71) Bromoform	12.727	173	3244	0.399 ug/l #		1
74) N-amyl acetate	12.192	43	34428	2.409 ug/l #		49
75) 1,1,2,2-Tetrachloroethane	12.733	83	134	Below Cal #		1
76) 1,2,3-Trichloropropane	12.727	75	286081	25.437 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.727	75	286081	68.102 ug/l #		10
95) Naphthalene	15.503	128	1264	3.261 ug/l #		69

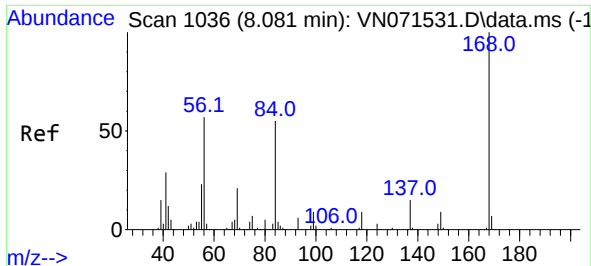
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB143557ZHE#10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Quant Time: Mar 26 04:03:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

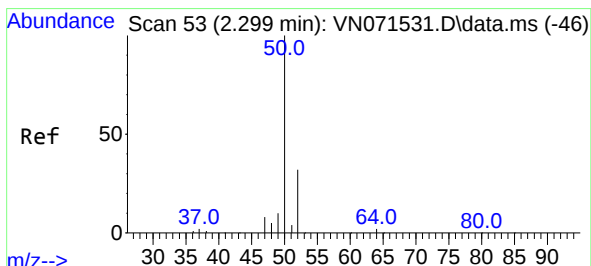
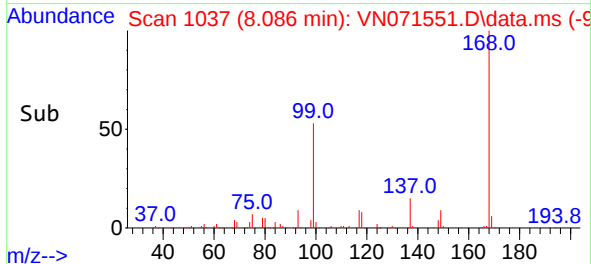
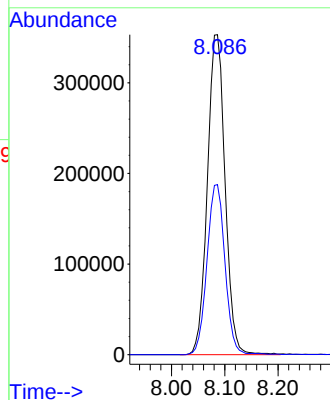
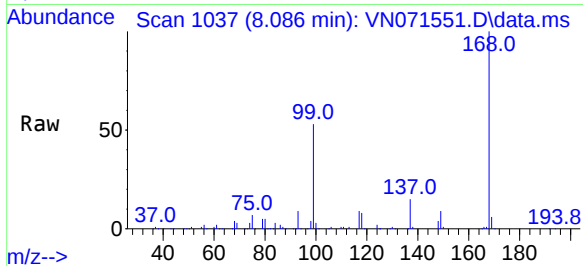




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

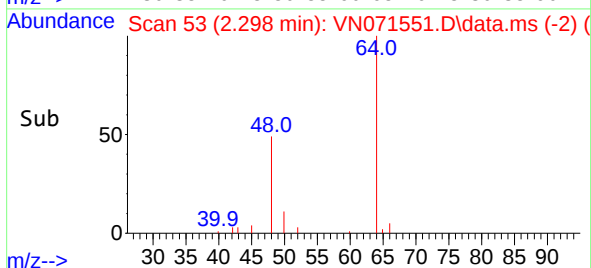
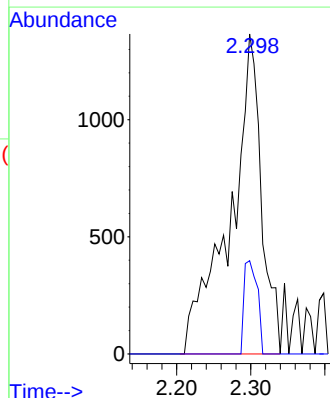
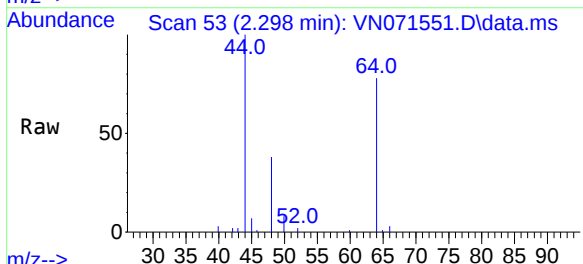
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#10

Tgt Ion:168 Resp: 815210
Ion Ratio Lower Upper
168 100
99 53.2 42.3 63.5

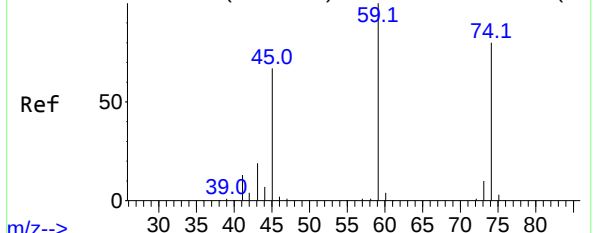


#3
Chloromethane
Concen: Below Cal
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

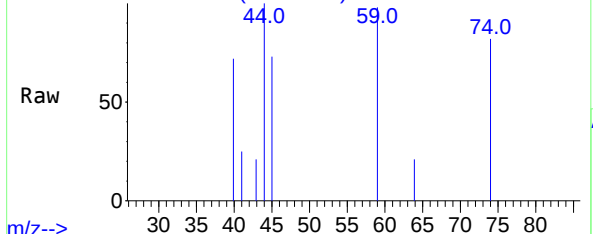
Tgt Ion: 50 Resp: 4034
Ion Ratio Lower Upper
50 100
52 29.1 25.7 38.5



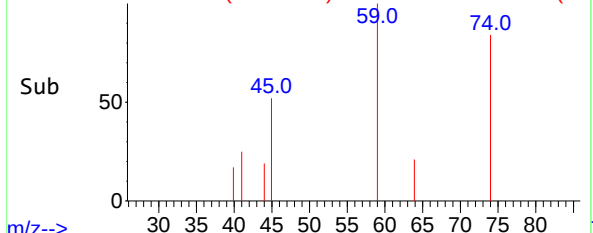
Abundance Scan 312 (3.822 min): VN071531.D\data.ms (-30



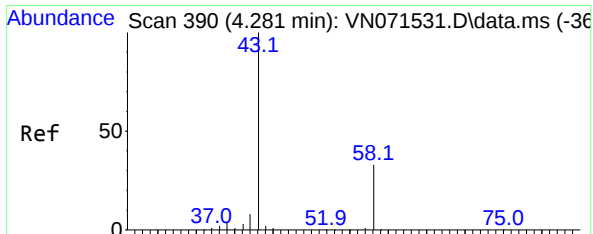
m/z--> Scan 313 (3.828 min): VN071551.D\data.ms



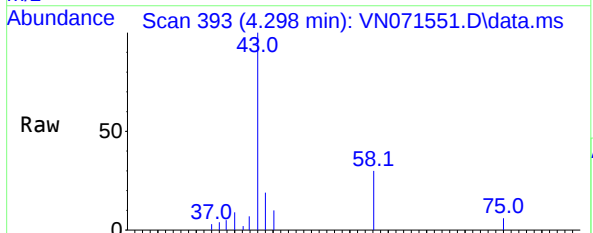
Abundance Scan 313 (3.828 min): VN071551.D\data.ms (-26



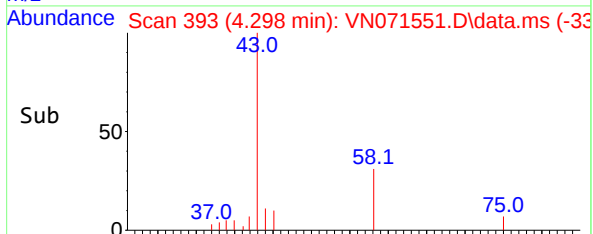
m/z--> Scan 390 (4.281 min): VN071531.D\data.ms (-36



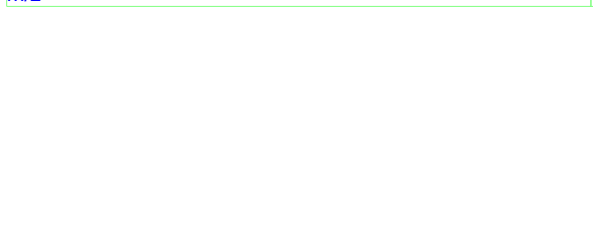
m/z--> Scan 393 (4.298 min): VN071551.D\data.ms



Abundance Scan 393 (4.298 min): VN071551.D\data.ms (-33



m/z--> Scan 393 (4.298 min): VN071551.D\data.ms (-33



m/z--> Scan 393 (4.298 min): VN071551.D\data.ms (-33

m/z--> Scan 393 (4.298 min): VN071551.D\data.ms (-33

#8

Diethyl Ether

Concen: 0.305 ug/l

RT: 3.828 min Scan# 312

Delta R.T. 0.006 min

Lab File: VN071551.D

Acq: 25 Mar 2022 16:42

Instrument :

MSVOA_N

ClientSampleId :

PB143557ZHE#10

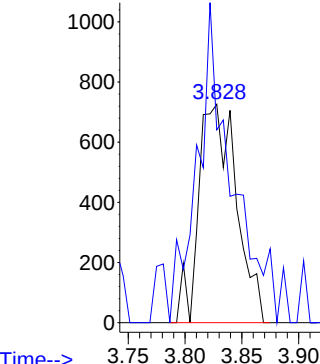
Tgt Ion: 74 Resp: 1684

Ion Ratio Lower Upper

74 100

45 136.5 42.9 128.5#

Abundance



#16

Acetone

Concen: 6.820 ug/l

RT: 4.298 min Scan# 393

Delta R.T. 0.017 min

Lab File: VN071551.D

Acq: 25 Mar 2022 16:42

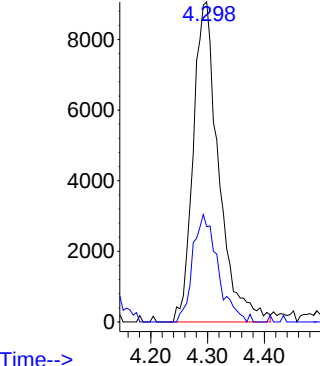
Tgt Ion: 43 Resp: 28314

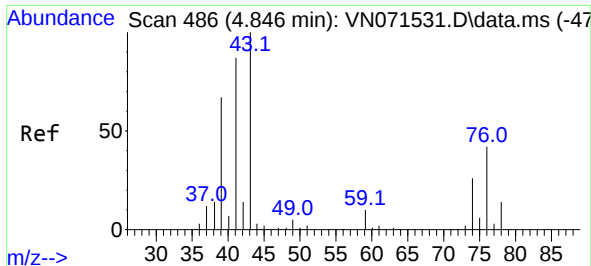
Ion Ratio Lower Upper

43 100

58 29.8 26.0 39.0

Abundance

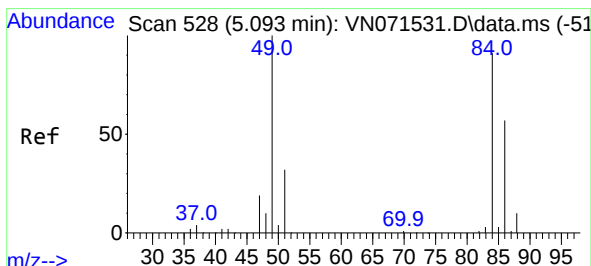
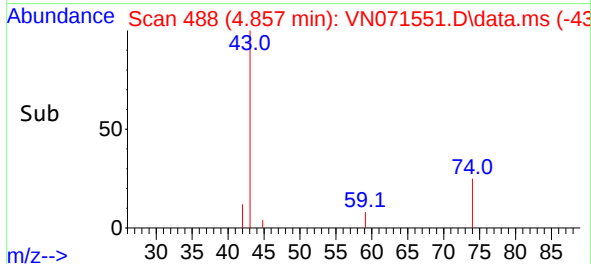
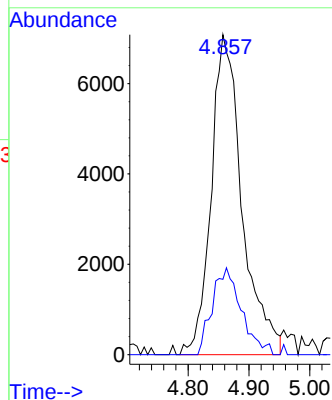
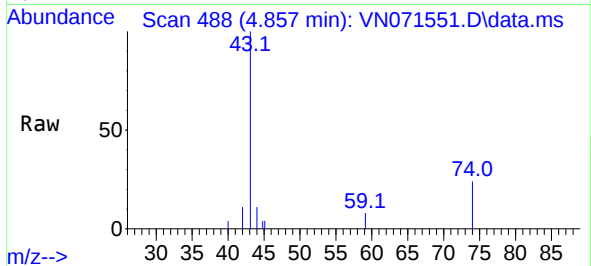




#18
Methyl Acetate
Concen: 1.077 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.011 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

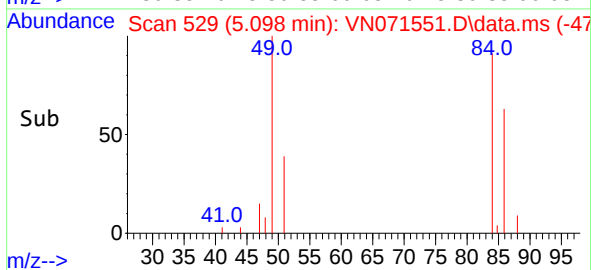
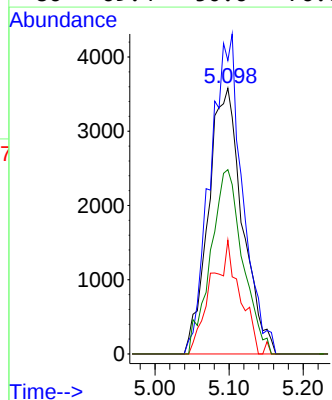
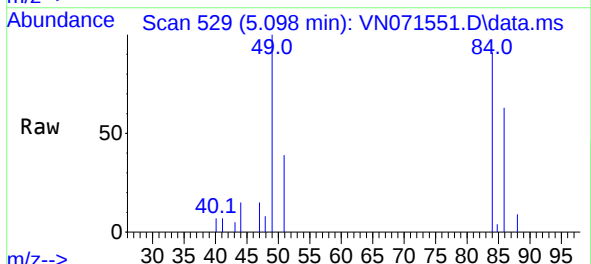
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#10

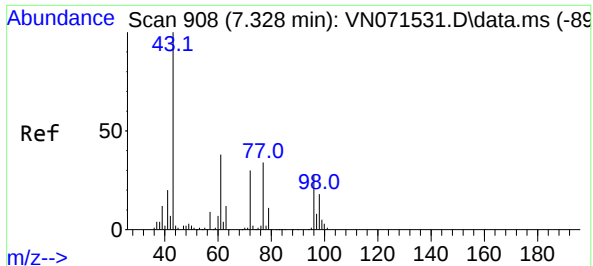
Tgt Ion: 43 Resp: 24959
Ion Ratio Lower Upper
43 100
74 25.7 21.6 32.4



#20
Methylene Chloride
Concen: 1.181 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.006 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

Tgt Ion: 84 Resp: 11423
Ion Ratio Lower Upper
84 100
49 110.4 88.3 132.5
51 42.8 28.2 42.2#
86 69.4 50.6 76.0





#25

2-Butanone

Concen: 0.402 ug/l

RT: 7.333 min Scan# 908

Delta R.T. 0.006 min

Lab File: VN071551.D

Acq: 25 Mar 2022 16:42

Instrument :

MSVOA_N

ClientSampleId :

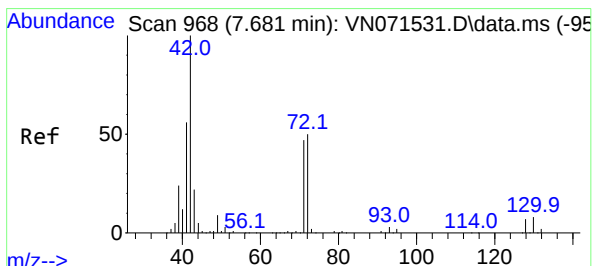
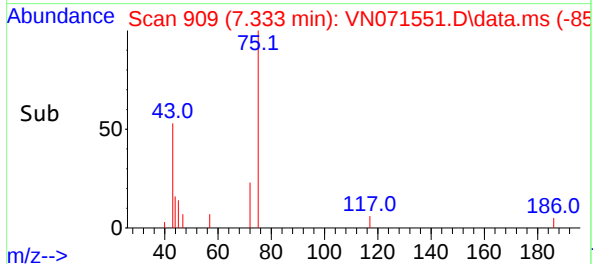
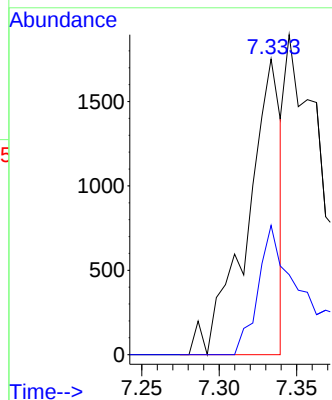
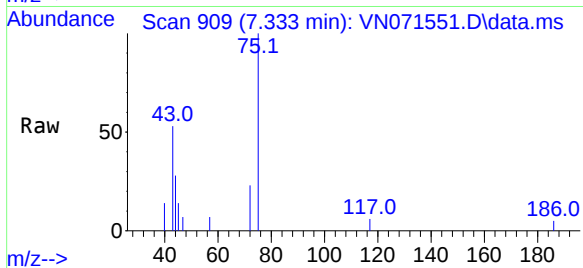
PB143557ZHE#10

Tgt Ion: 43 Resp: 2678

Ion Ratio Lower Upper

43 100

72 43.7 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.267 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.012 min

Lab File: VN071551.D

Acq: 25 Mar 2022 16:42

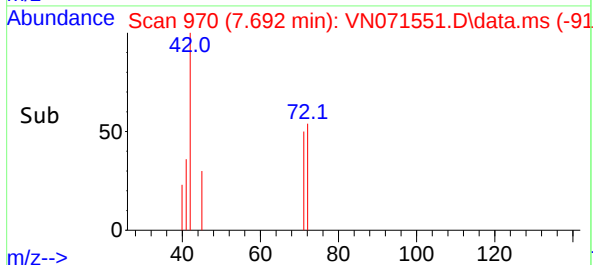
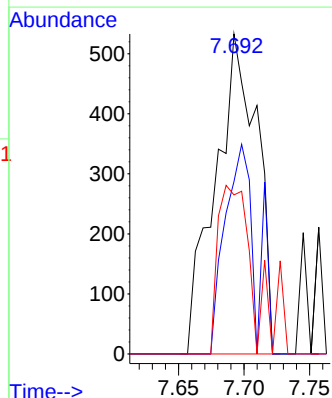
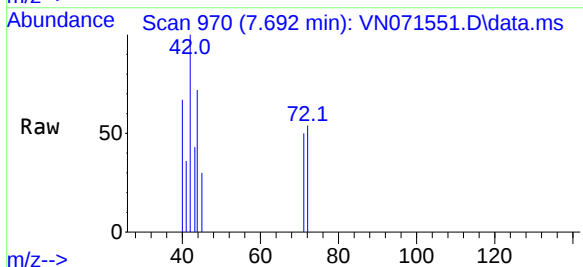
Tgt Ion: 42 Resp: 1181

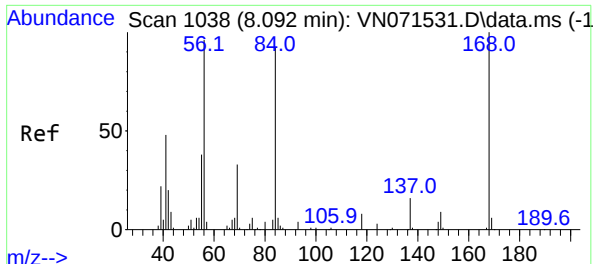
Ion Ratio Lower Upper

42 100

72 47.9 39.7 59.5

71 36.4 36.6 55.0#

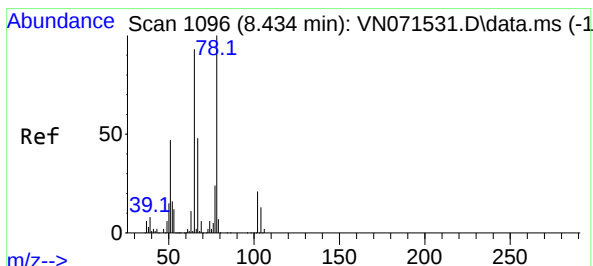
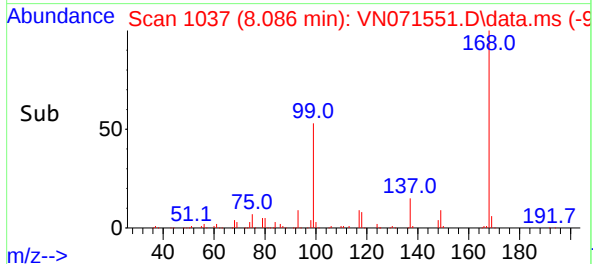
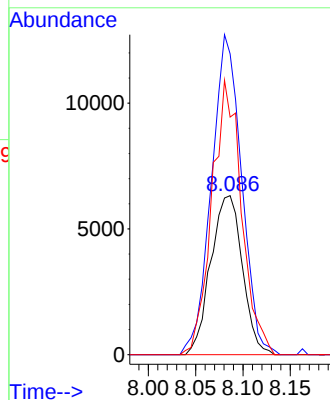
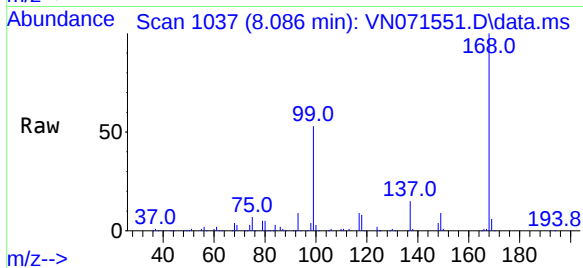




#31
Cyclohexane
Concen: 1.014 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

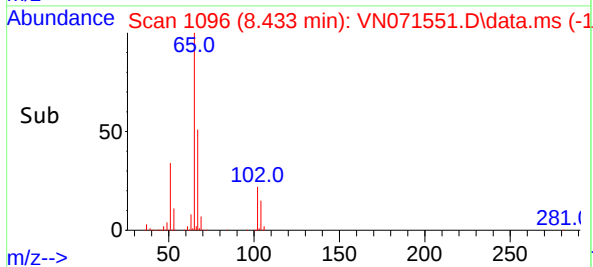
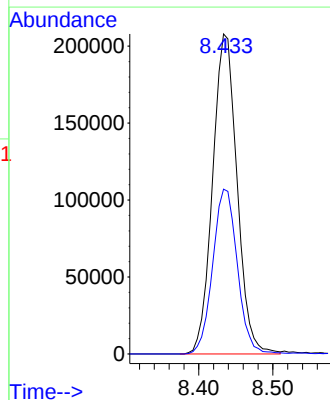
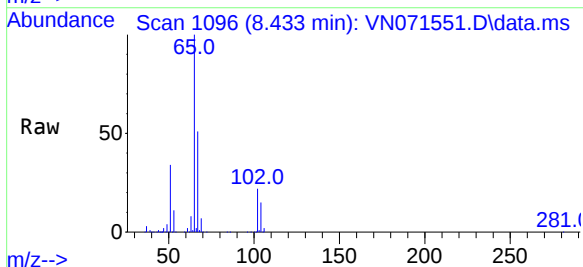
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#10

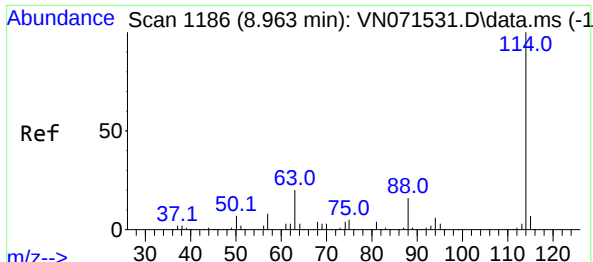
Tgt Ion: 56 Resp: 14692
Ion Ratio Lower Upper
56 100
69 189.2 27.8 41.8#
84 149.4 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.020 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

Tgt Ion: 65 Resp: 476224
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8

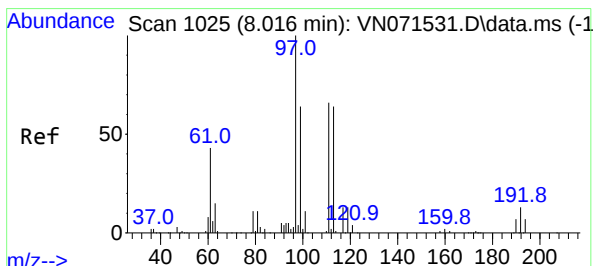
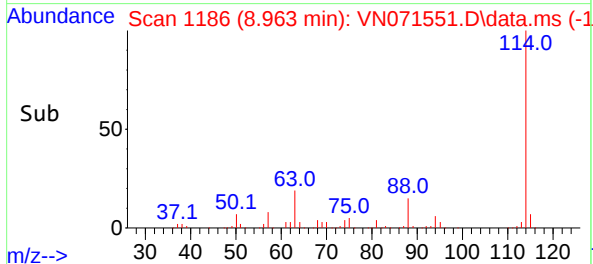
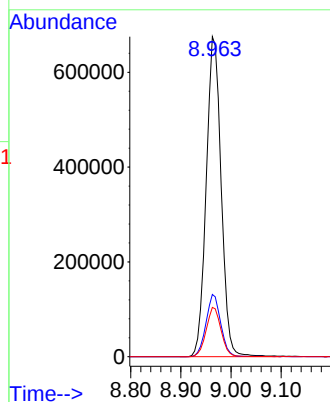
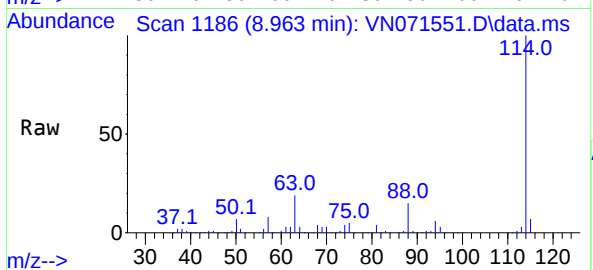




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

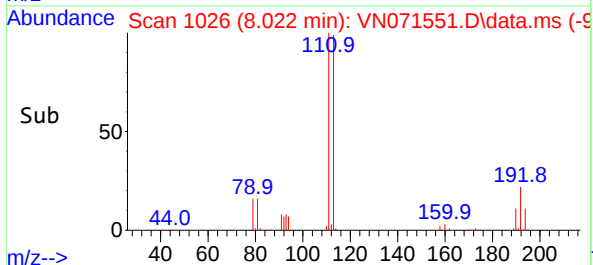
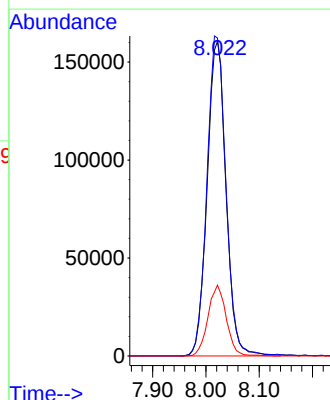
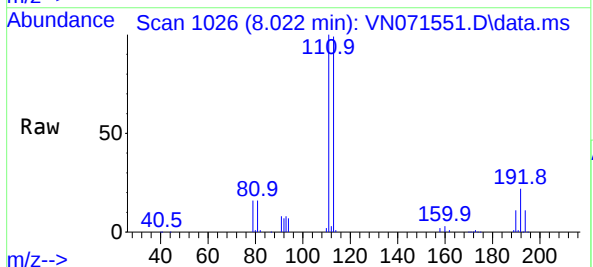
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#10

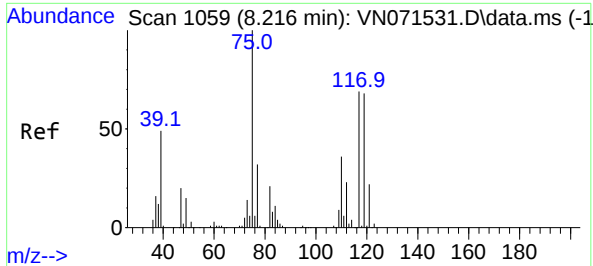
Tgt Ion:114 Resp: 1398279
Ion Ratio Lower Upper
114 100
63 19.5 0.0 40.0
88 15.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 44.846 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

Tgt Ion:113 Resp: 394094
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.0
192 21.7 17.0 25.6

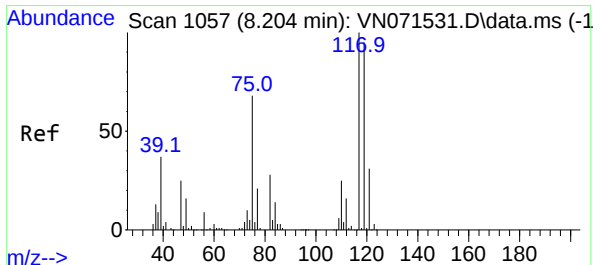
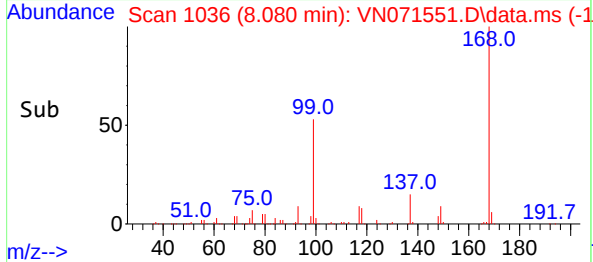
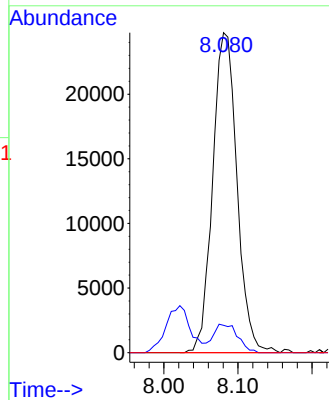
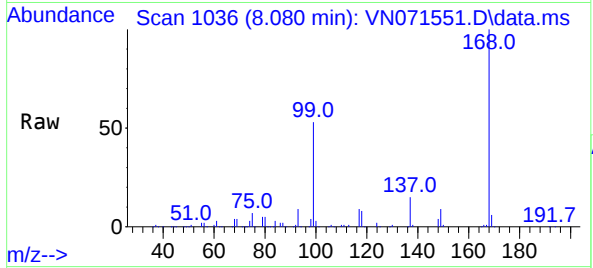




#36
1,1-Dichloropropene
Concen: 4.460 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.136 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

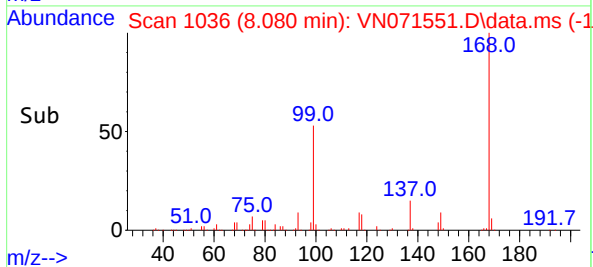
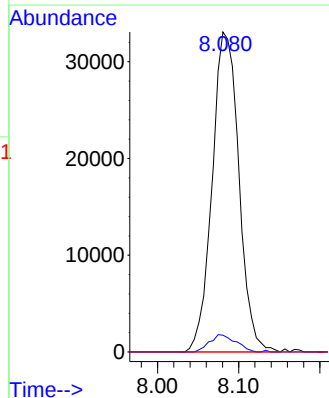
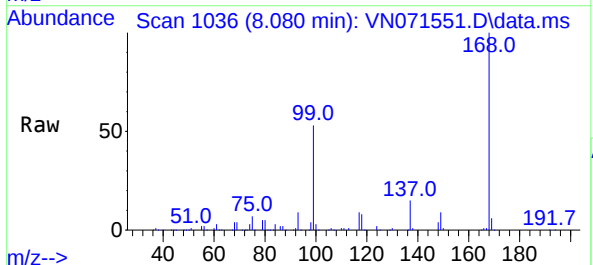
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MSVOA_N
ClientSampleId :
PB143557ZHE#10

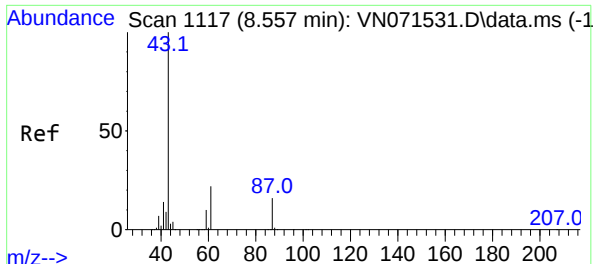
Tgt Ion: 75 Resp: 56507
Ion Ratio Lower Upper
75 100
110 8.8 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.127 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.124 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

Tgt Ion: 117 Resp: 75668
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.8#
121 0.0 24.6 37.0#

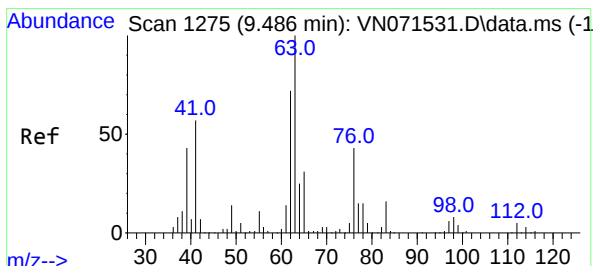
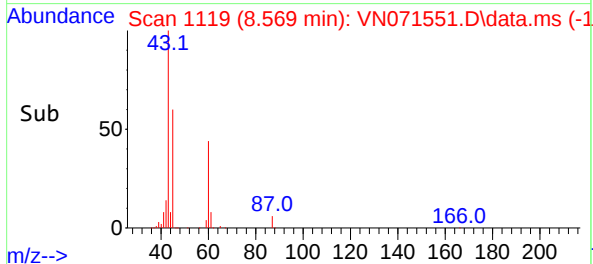
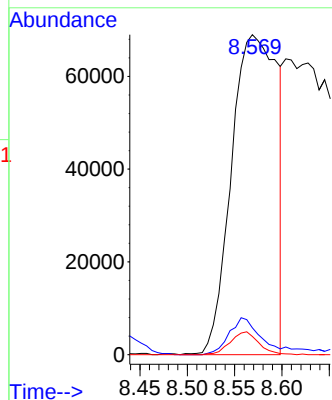
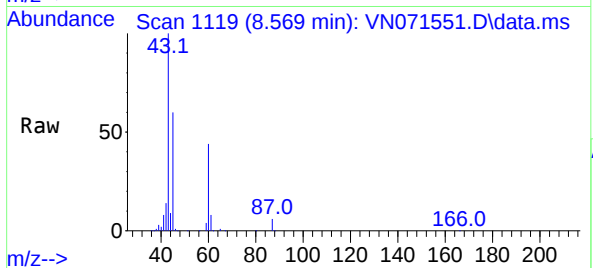




#43
Isopropyl Acetate
Concen: 10.199 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.012 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

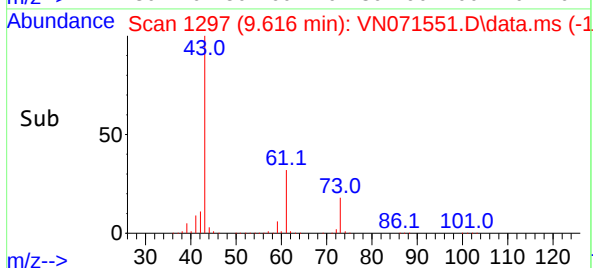
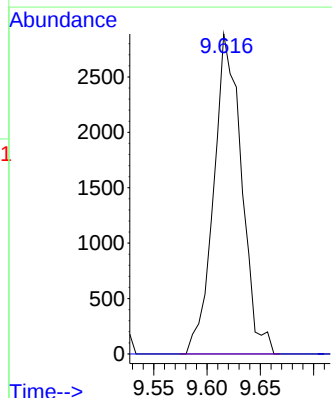
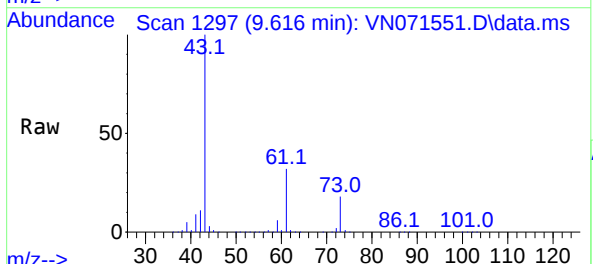
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#10

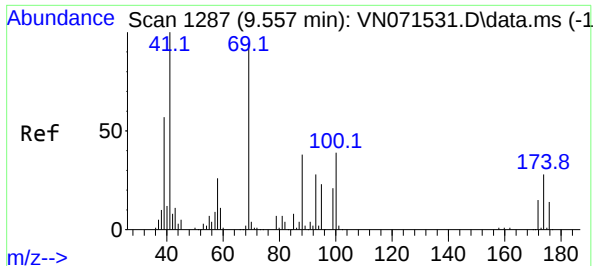
Tgt Ion: 43 Resp: 232332
Ion Ratio Lower Upper
43 100
61 9.1 21.9 32.9#
87 4.5 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.538 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.129 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

Tgt Ion: 63 Resp: 5253
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

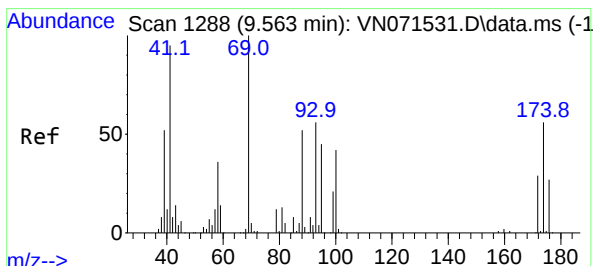
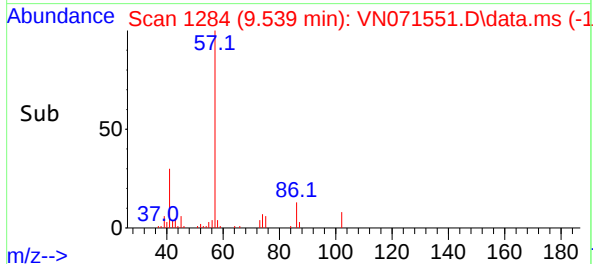
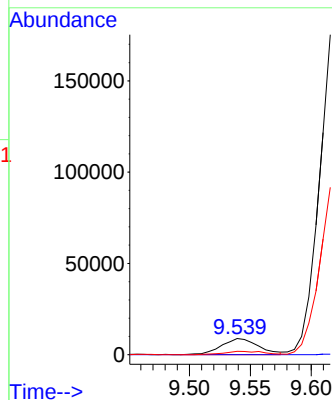
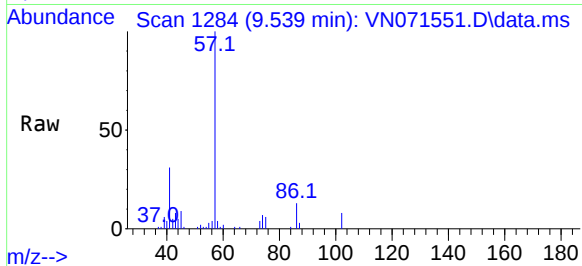




#48
Methyl methacrylate
Concen: 1.879 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.018 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

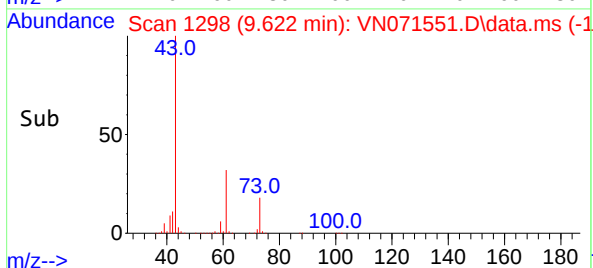
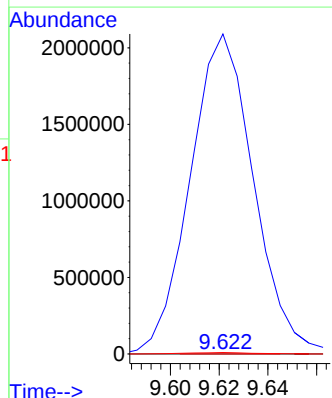
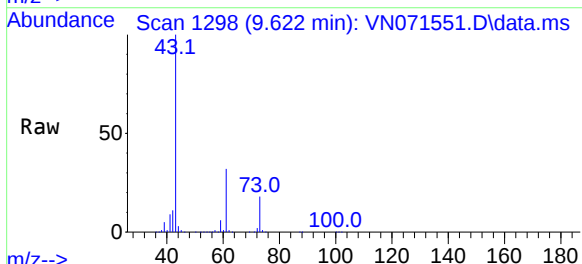
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#10

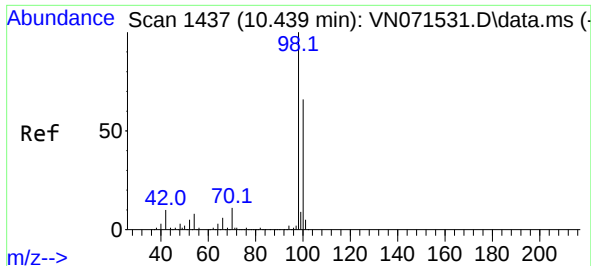
Tgt Ion: 41 Resp: 18734
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 2.760 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

Tgt Ion: 88 Resp: 635
Ion Ratio Lower Upper
88 100
43 606071.5 20.2 30.4#
58 2691.5 54.2 81.4#

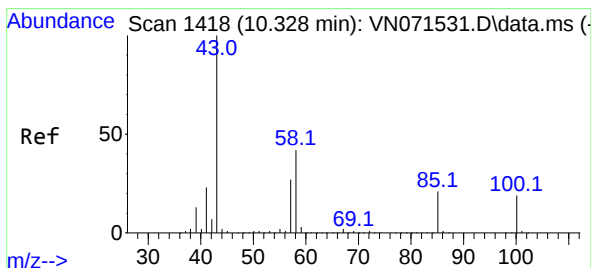
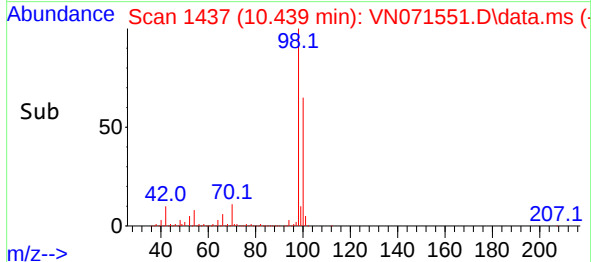
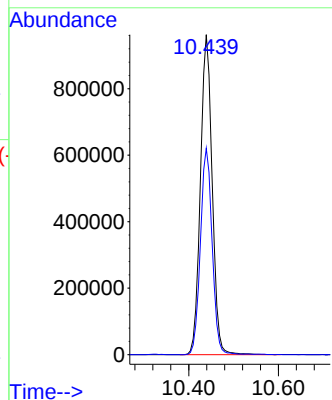
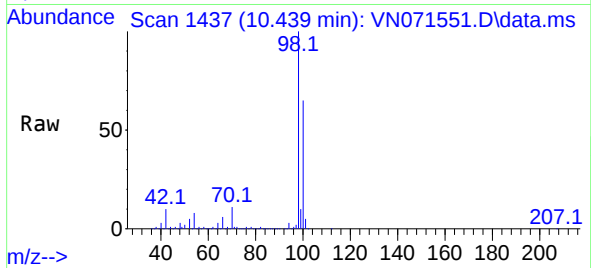




#50
Toluene-d8
Concen: 49.344 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

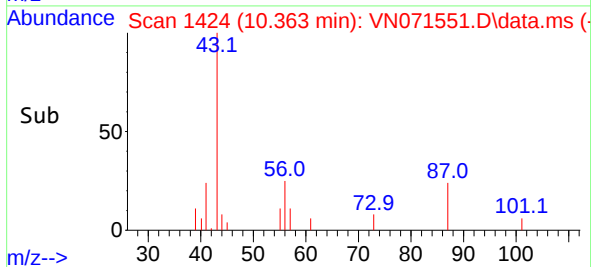
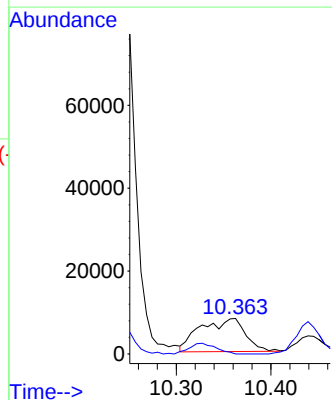
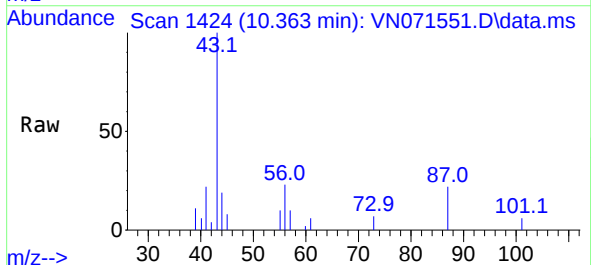
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#10

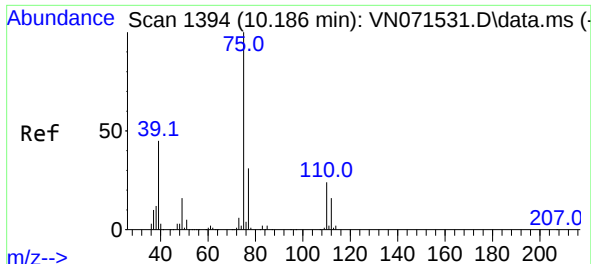
Tgt Ion: 98 Resp: 1749027
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.917 ug/l
RT: 10.363 min Scan# 1424
Delta R.T. 0.035 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

Tgt Ion: 43 Resp: 26506
Ion Ratio Lower Upper
43 100
58 0.0 34.1 51.1#

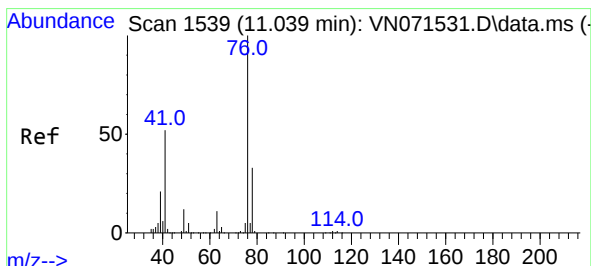
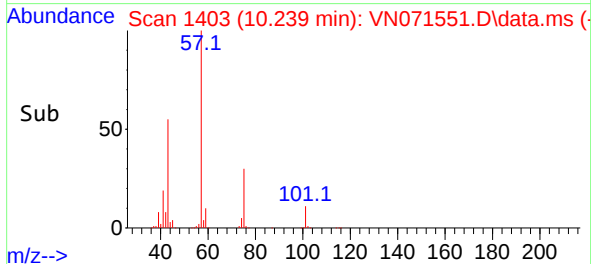
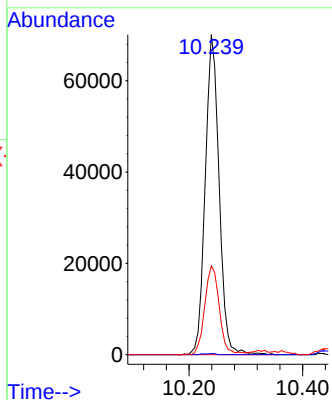
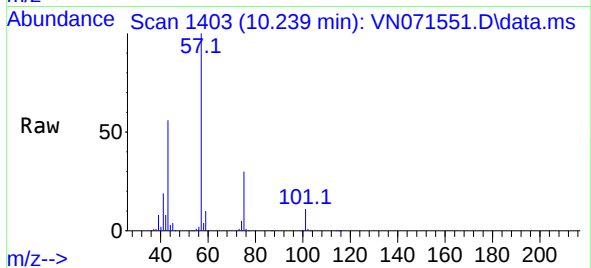




#54
 cis-1,3-Dichloropropene
 Concen: 7.664 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN071551.D
 Acq: 25 Mar 2022 16:42

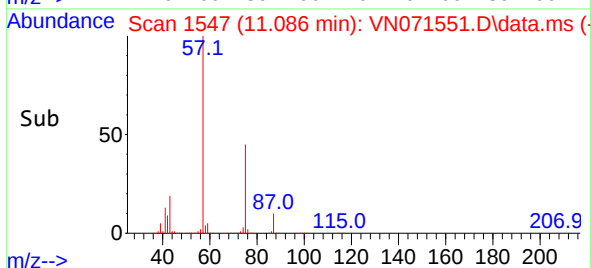
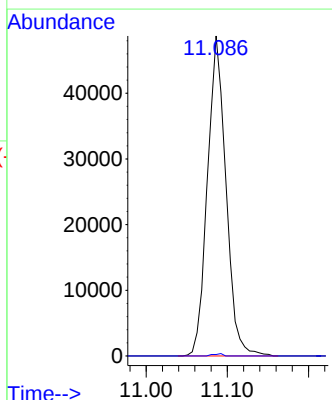
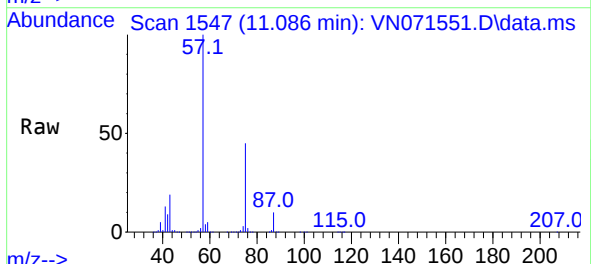
Instrument :
 MSVOA_N
 ClientSampleId :
 PB143557ZHE#10

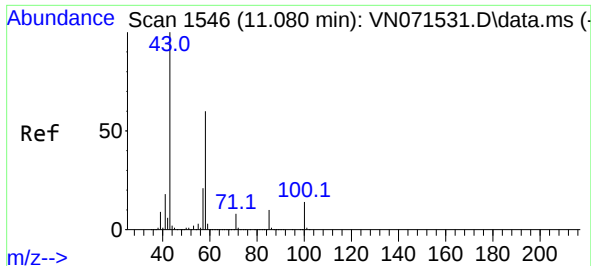
Tgt Ion: 75 Resp: 118442
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.2 37.8#
 39 27.8 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 4.589 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071551.D
 Acq: 25 Mar 2022 16:42

Tgt Ion: 76 Resp: 77277
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.2 39.2#

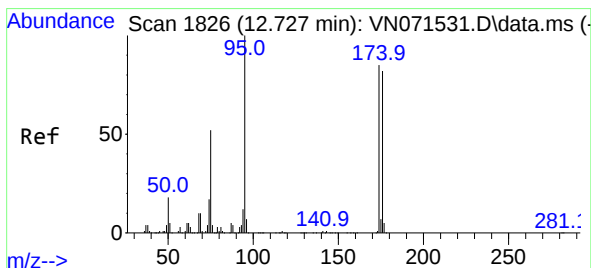
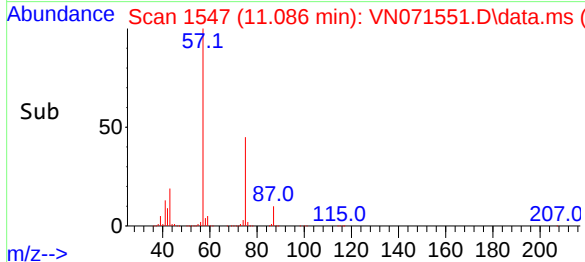
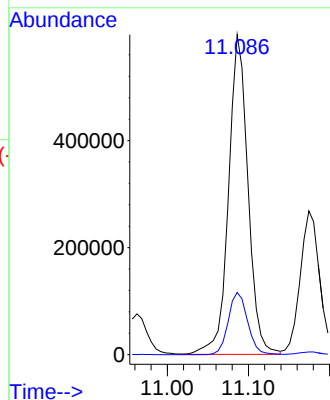
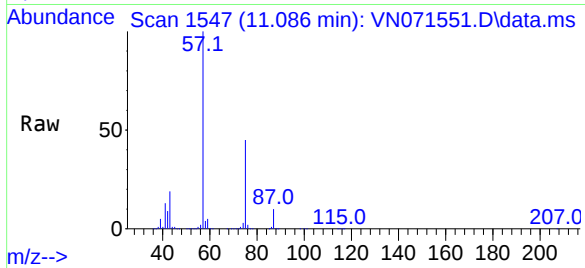




#59
2-Hexanone
Concen: 99.669 ug/l
RT: 11.086 min Scan# 11547
Delta R.T. 0.006 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

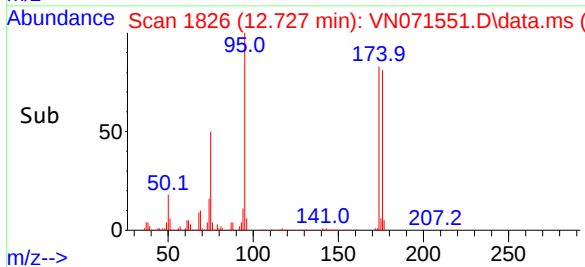
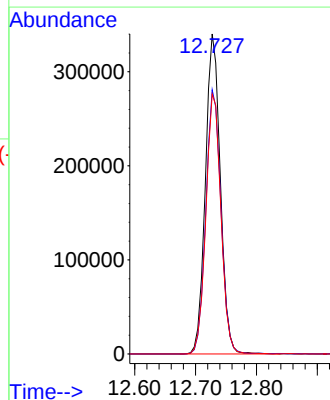
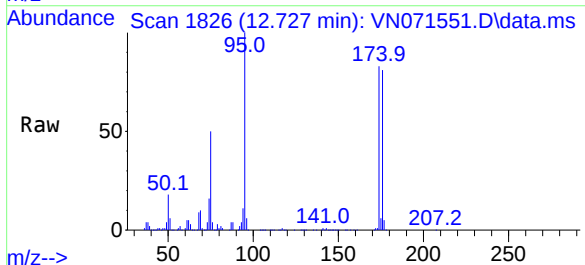
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#10

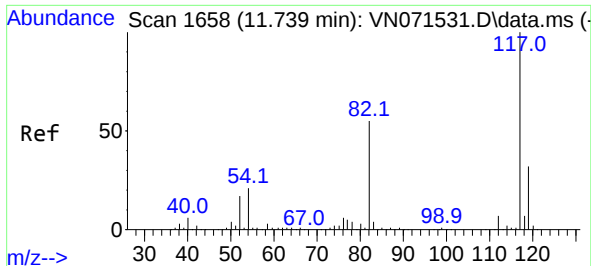
Tgt Ion: 43 Resp: 993463
Ion Ratio Lower Upper
43 100
58 19.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 49.840 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

Tgt Ion: 95 Resp: 578855
Ion Ratio Lower Upper
95 100
174 83.7 0.0 167.6
176 82.1 0.0 163.4

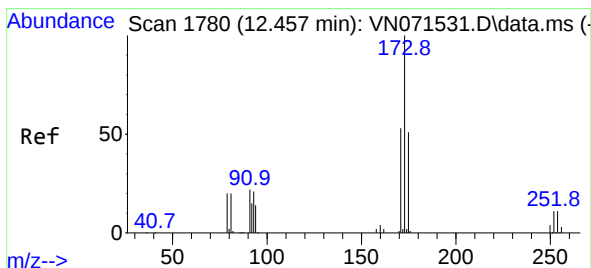
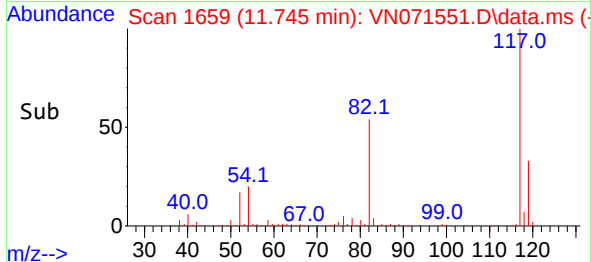
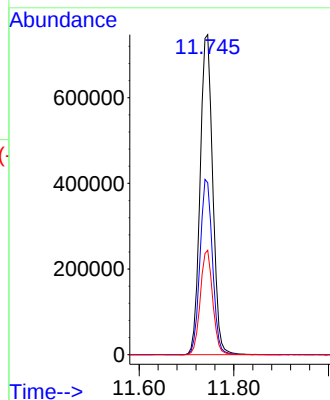
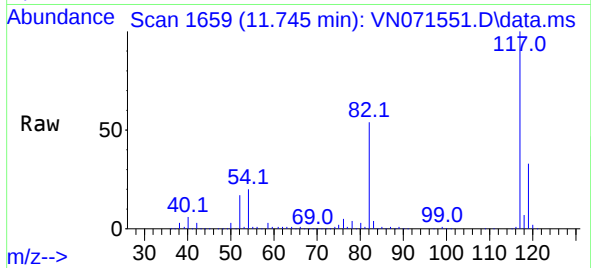




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

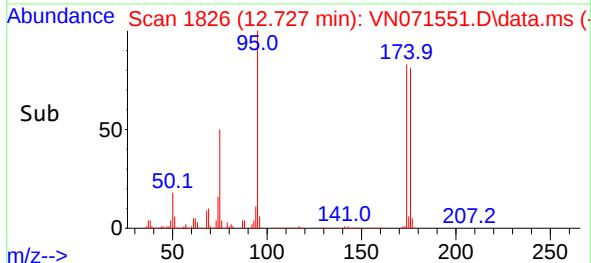
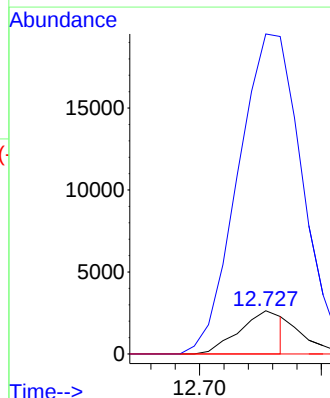
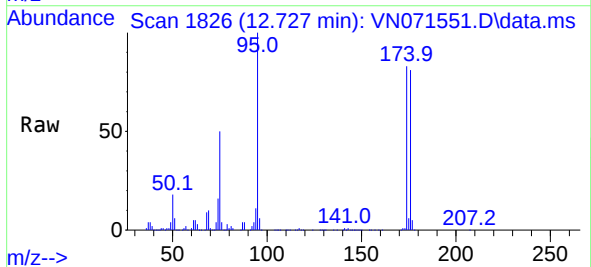
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#10

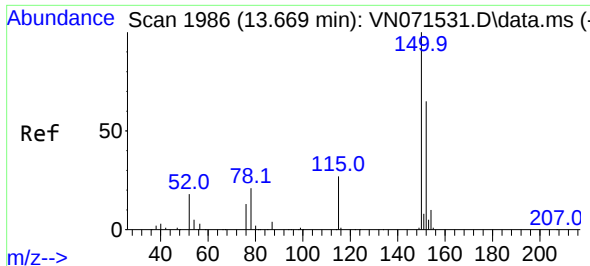
Tgt Ion:117 Resp: 1377764
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 32.7 25.4 38.0



#71
Bromoform
Concen: 0.399 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

Tgt Ion:173 Resp: 3244
Ion Ratio Lower Upper
173 100
175 799.8 24.6 73.6#
254 0.0 0.1 0.1#

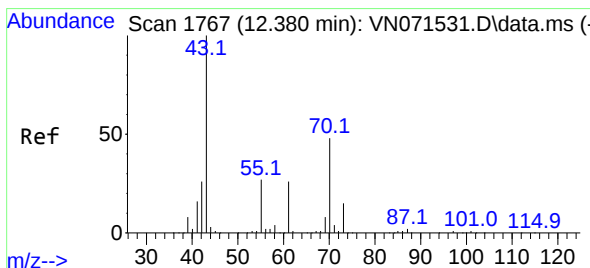
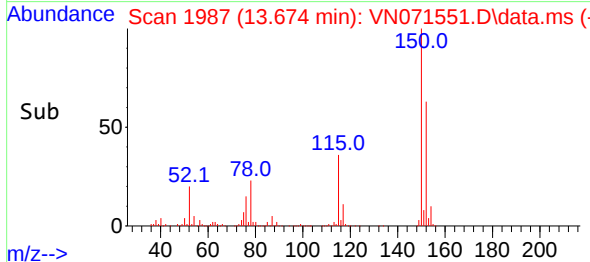
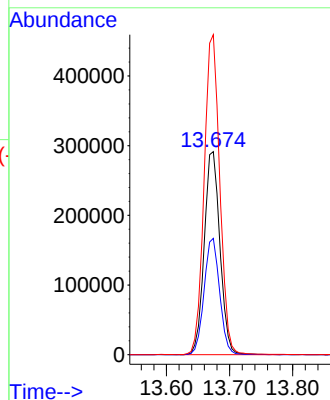
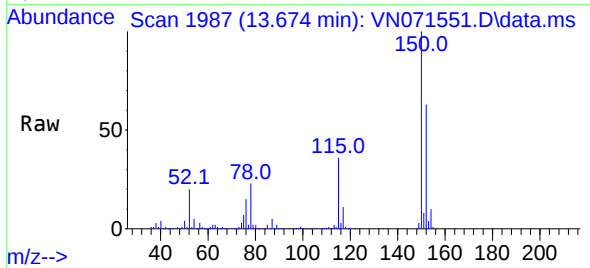




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

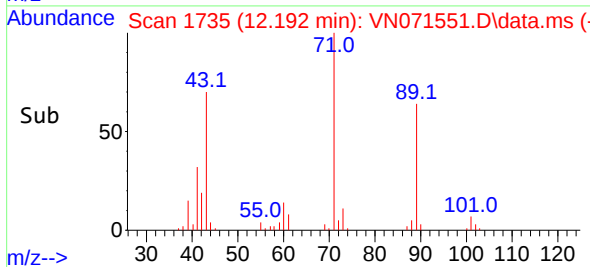
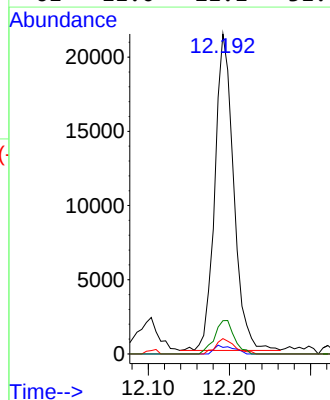
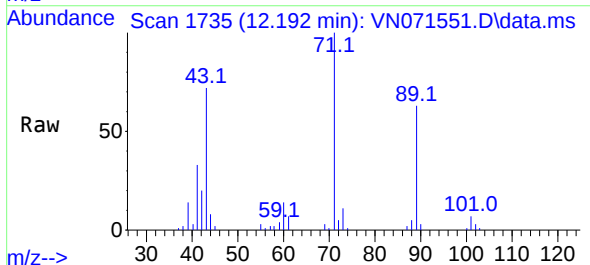
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#10

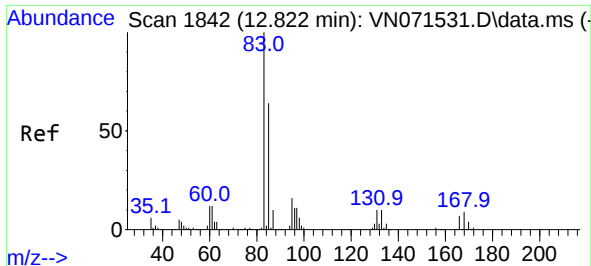
Tgt Ion:152 Resp: 504361
Ion Ratio Lower Upper
152 100
115 56.7 28.9 86.7
150 157.2 0.0 356.2



#74
N-ethyl acetate
Concen: 2.409 ug/l
RT: 12.192 min Scan# 1735
Delta R.T. -0.188 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

Tgt Ion: 43 Resp: 34428
Ion Ratio Lower Upper
43 100
70 2.7 39.0 58.4#
55 4.9 21.1 31.7#
61 11.0 21.1 31.7#

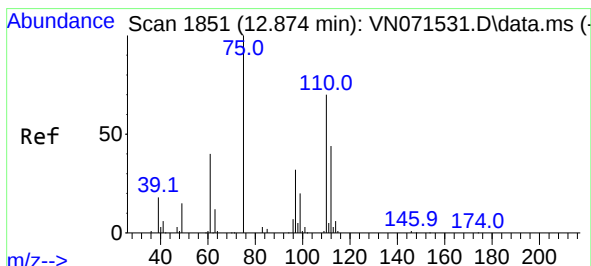
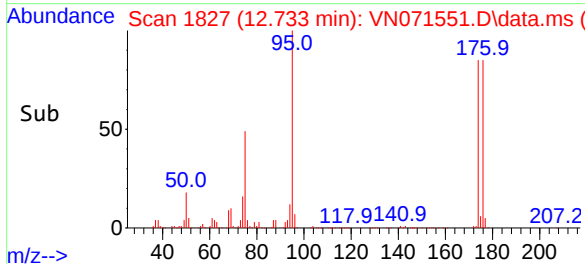
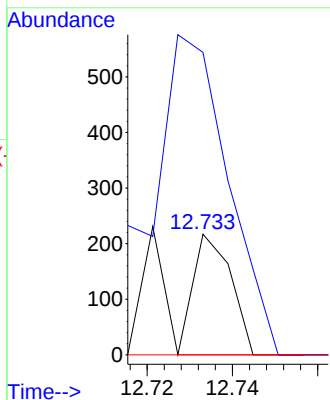
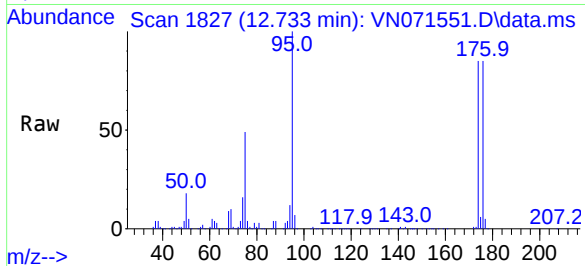




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.733 min Scan# 1842
Delta R.T. -0.089 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

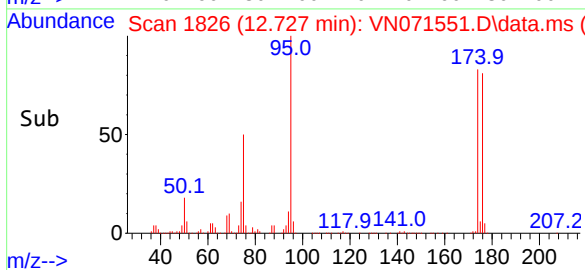
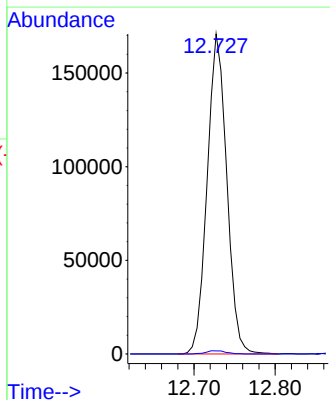
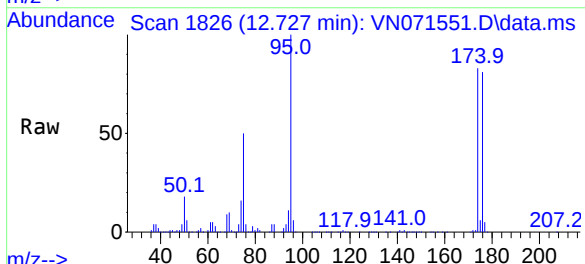
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#10

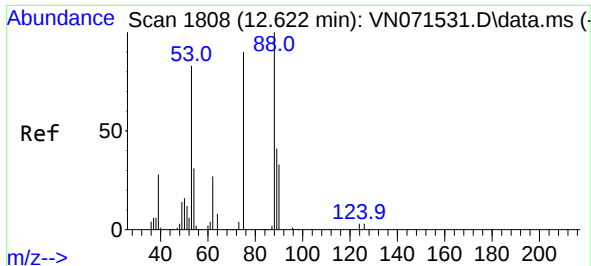
Tgt Ion: 83 Resp: 134
Ion Ratio Lower Upper
83 100
131 535.8 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 25.437 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

Tgt Ion: 75 Resp: 286081
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#

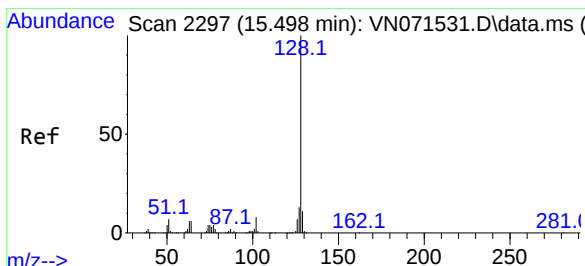
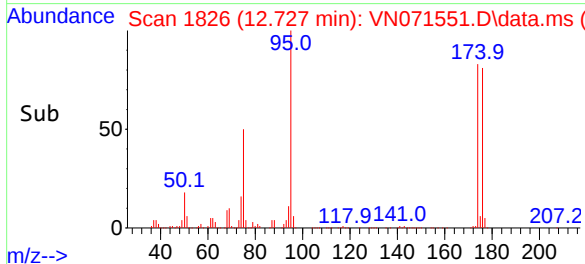
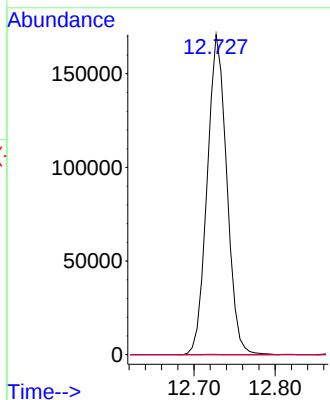
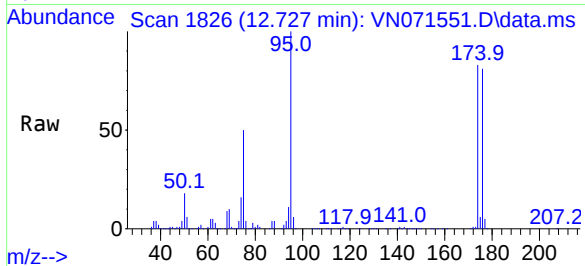




#81
trans-1,4-Dichloro-2-butene
Concen: 68.102 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#10

Tgt Ion: 75 Resp: 286081
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.261 ug/l
RT: 15.503 min Scan# 2298
Delta R.T. 0.005 min
Lab File: VN071551.D
Acq: 25 Mar 2022 16:42

Tgt Ion: 128 Resp: 1264
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

