

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071465.D
 Acq On : 22 Mar 2022 14:07
 Operator : JC\MD
 Sample : PB143494ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143494ZHE#03

Quant Time: Mar 23 07:08:04 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)

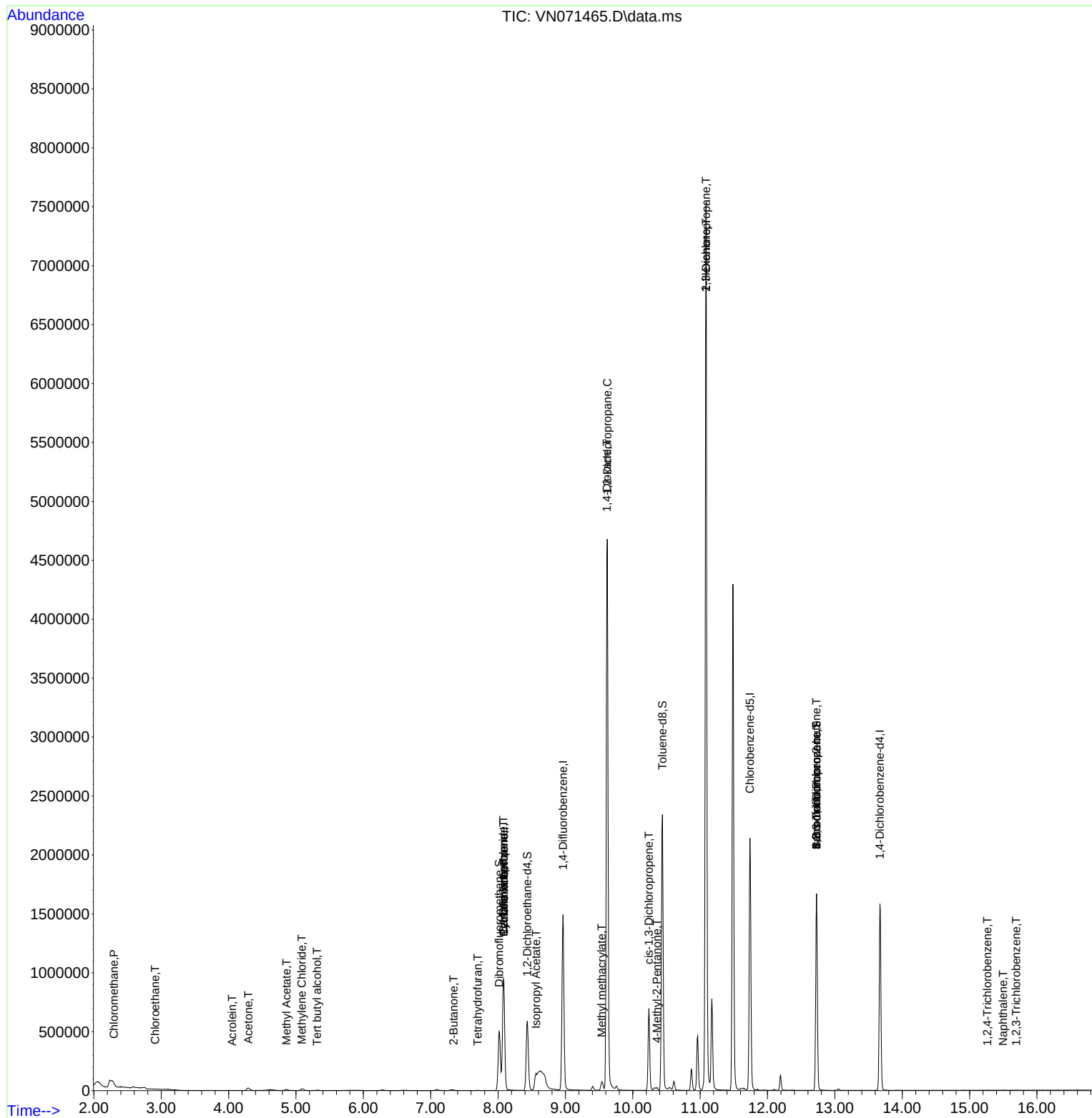
Internal Standards						
1) Pentafluorobenzene	8.086	168	737596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1269030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1220550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	436704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	492330	48.702	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.400%		
35) Dibromofluoromethane	8.016	113	368329	45.995	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.980%		
50) Toluene-d8	10.439	98	1573958	48.816	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.640%		
62) 4-Bromofluorobenzene	12.727	95	575103	52.674	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	105.340%		
Target Compounds						Qvalue
3) Chloromethane	2.299	50	5291	0.453	ug/l #	80
5) Bromomethane	2.840	94	1001	Below Cal	#	3
6) Chloroethane	2.910	64	1200	0.200	ug/l #	42
11) Tert butyl alcohol	5.310	59	4054	2.041	ug/l #	71
13) Acrolein	4.051	56	531	0.253	ug/l #	46
16) Acetone	4.293	43	40041	8.141	ug/l	90
18) Methyl Acetate	4.857	43	21467	2.080	ug/l #	71
20) Methylene Chloride	5.087	84	12039	1.711	ug/l #	93
25) 2-Butanone	7.339	43	7765	0.980	ug/l	93
29) Tetrahydrofuran	7.698	42	1703	0.310	ug/l #	48
31) Cyclohexane	8.086	56	16153	1.001	ug/l #	6
36) 1,1-Dichloropropene	8.081	75	58516	4.561	ug/l #	48
38) Carbon Tetrachloride	8.081	117	71824	5.787	ug/l #	16
43) Isopropyl Acetate	8.563	43	167575	6.346	ug/l #	74
45) 1,2-Dichloropropane	9.622	63	5819	0.561	ug/l #	44
48) Methyl methacrylate	9.539	41	22033	1.801	ug/l #	8
49) 1,4-Dioxane	9.616	88	682	3.206	ug/l #	1
51) 4-Methyl-2-Pentanone	10.357	43	32196	1.965	ug/l #	37
54) cis-1,3-Dichloropropene	10.239	75	121480	7.814	ug/l #	61
57) 1,3-Dichloropropane	11.086	76	73060	4.267	ug/l #	43
59) 2-Hexanone	11.086	43	1184055	105.894	ug/l #	49
71) Bromoform	12.727	173	3500	0.480	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.727	83	283	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	298109	26.859	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	298109	73.792	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	630	3.072	ug/l #	80
95) Naphthalene	15.498	128	2308	5.171	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.692	180	476	2.798	ug/l #	59

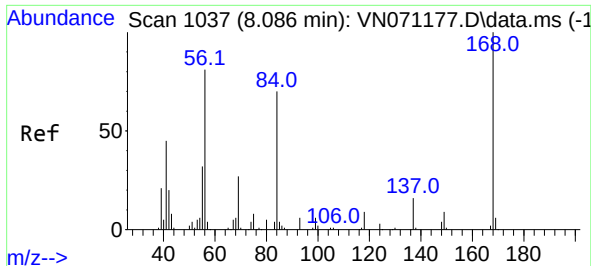
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
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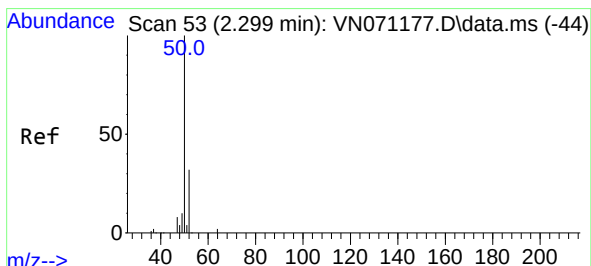
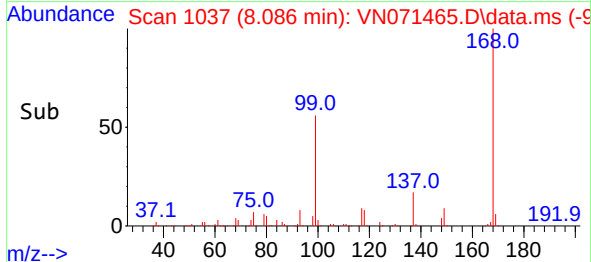
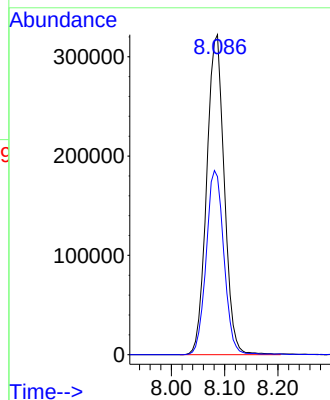
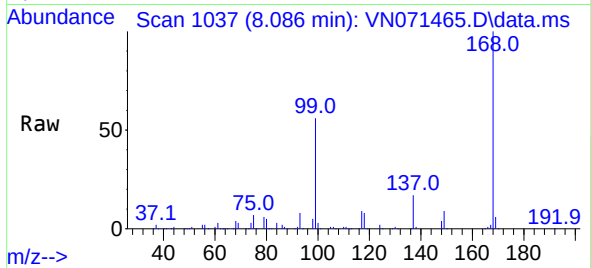




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

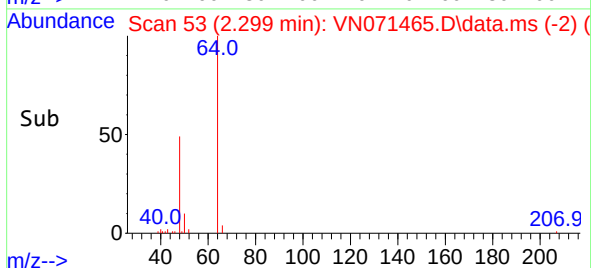
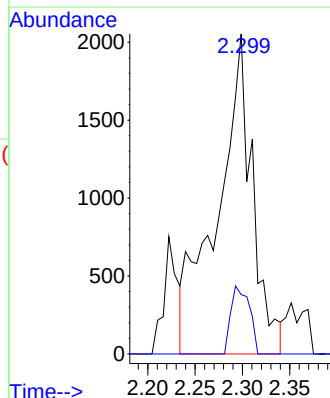
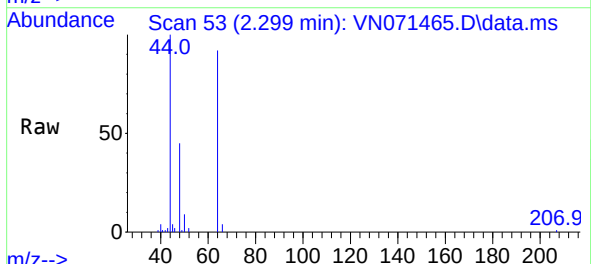
Instrument :
MSVOA_N
ClientSampleId :
PB143494ZHE#03

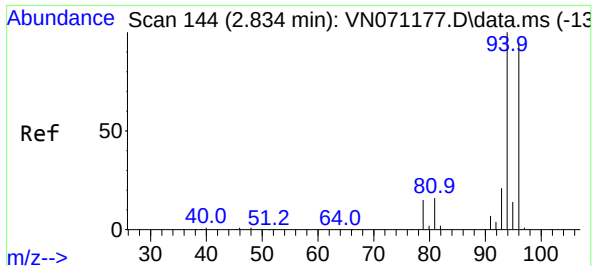
Tgt Ion:168 Resp: 737596
Ion Ratio Lower Upper
168 100
99 55.7 41.3 61.9



#3
Chloromethane
Concen: 0.453 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

Tgt Ion: 50 Resp: 5291
Ion Ratio Lower Upper
50 100
52 20.6 25.4 38.0#

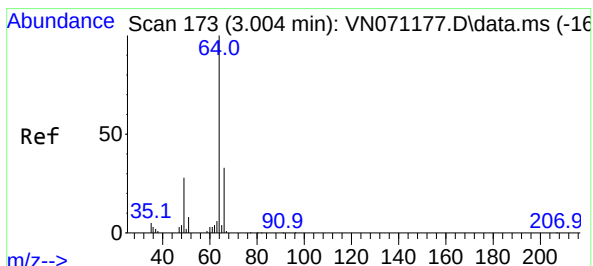
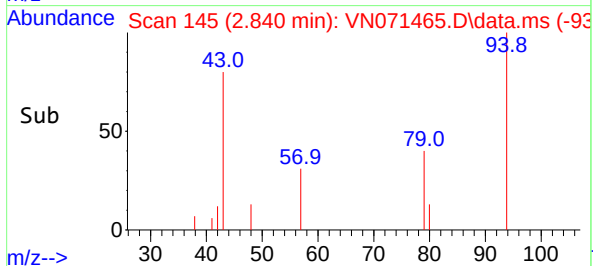
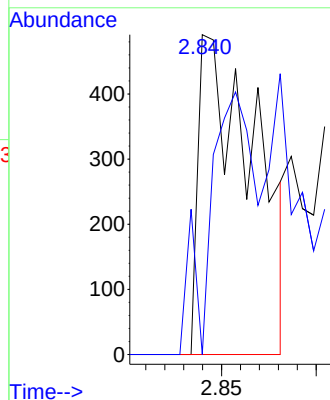
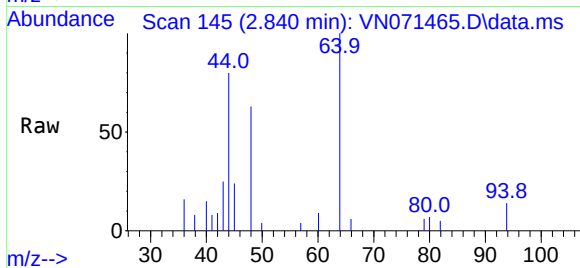




#5
Bromomethane
Concen: Below Cal
RT: 2.840 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

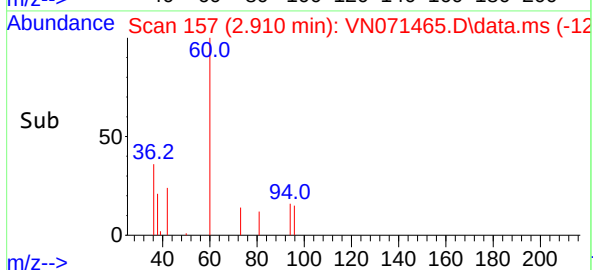
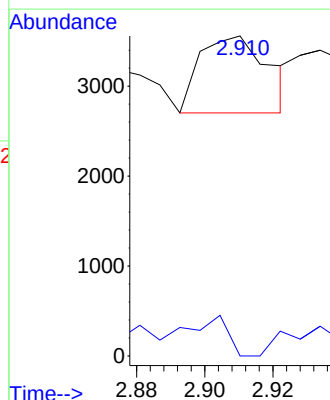
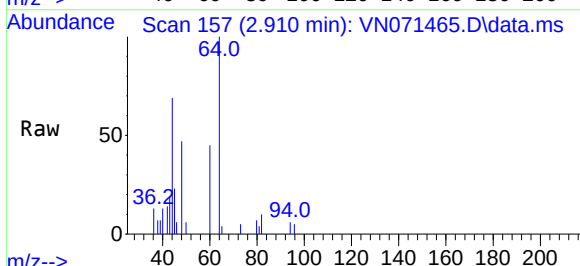
Instrument :
MSVOA_N
ClientSampleId :
PB143494ZHE#03

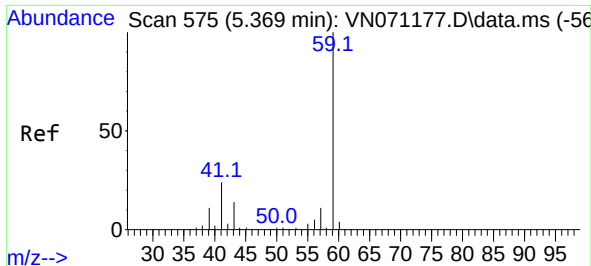
Tgt Ion: 94 Resp: 1001
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.8#



#6
Chloroethane
Concen: 0.200 ug/l
RT: 2.910 min Scan# 157
Delta R.T. -0.094 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

Tgt Ion: 64 Resp: 1200
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#

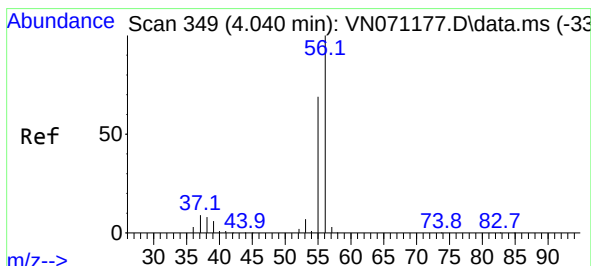
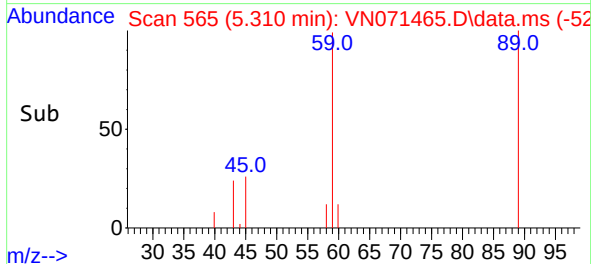
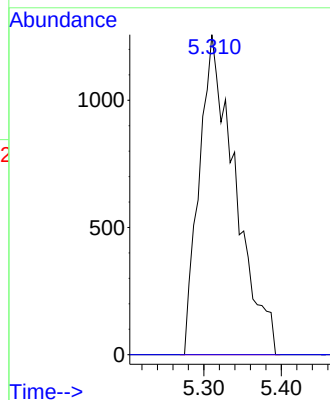
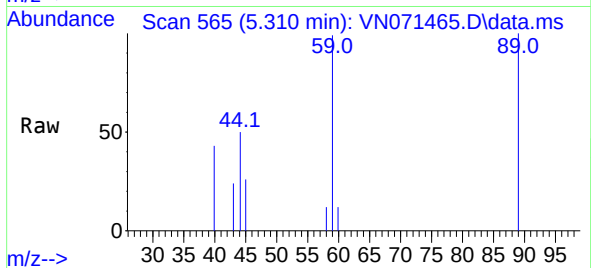




#11
Tert butyl alcohol
Concen: 2.041 ug/l
RT: 5.310 min Scan# 509
Delta R.T. -0.059 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

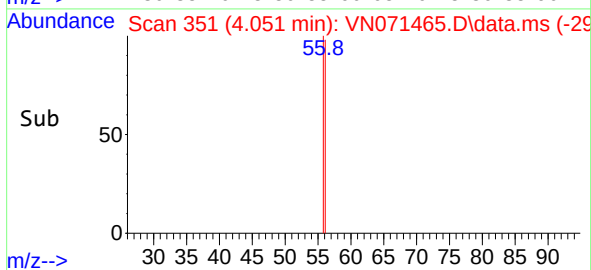
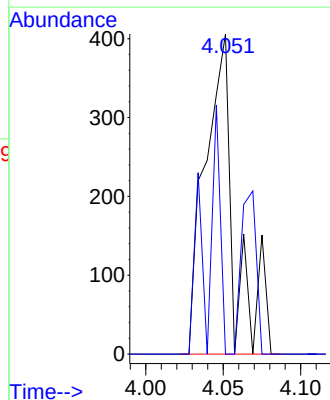
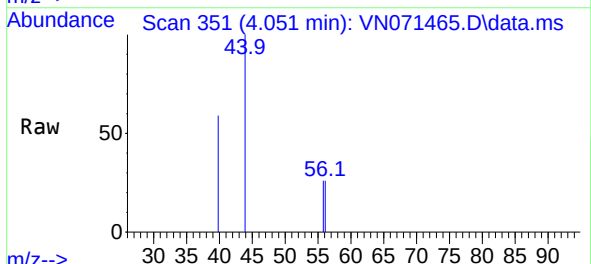
Instrument :
MSVOA_N
ClientSampleId :
PB143494ZHE#03

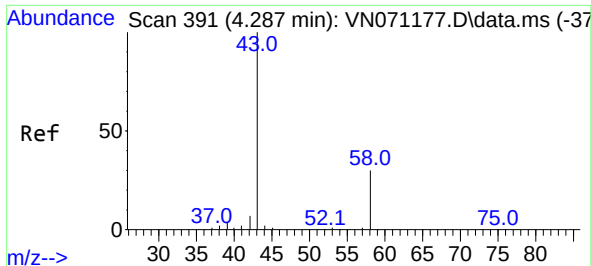
Tgt Ion: 59 Resp: 4054
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.253 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.012 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

Tgt Ion: 56 Resp: 531
Ion Ratio Lower Upper
56 100
55 26.4 56.6 85.0#

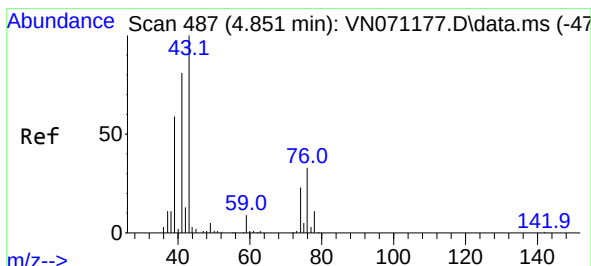
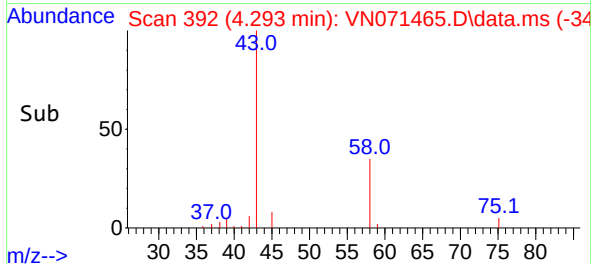
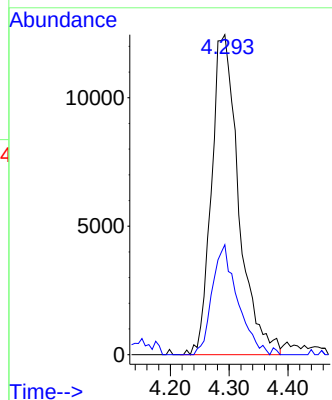
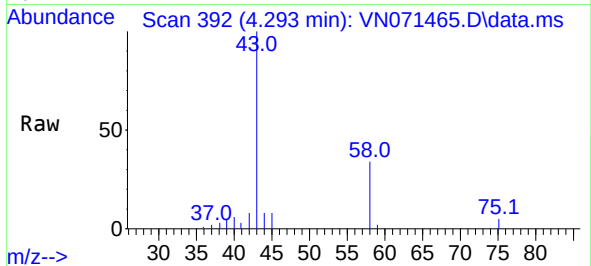




#16
Acetone
Concen: 8.141 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

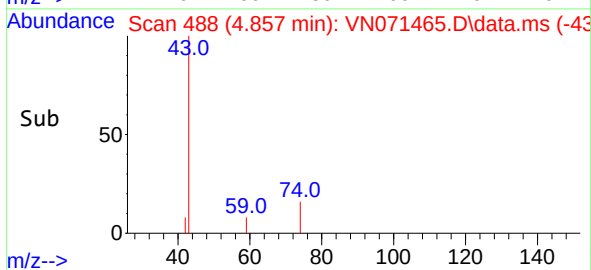
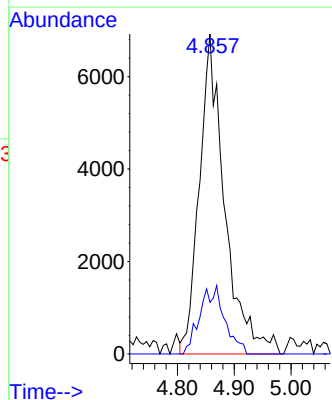
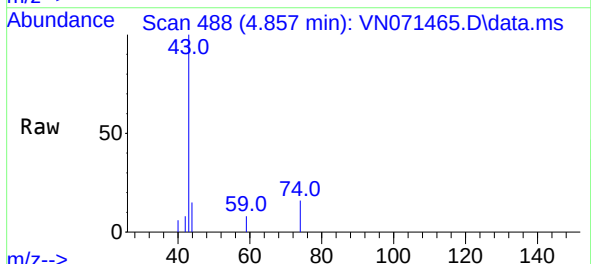
Instrument :
MSVOA_N
ClientSampleId :
PB143494ZHE#03

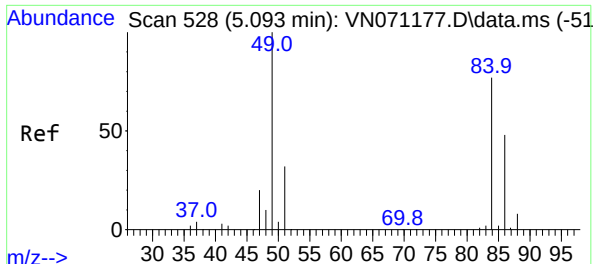
Tgt Ion: 43 Resp: 40041
Ion Ratio Lower Upper
43 100
58 34.3 23.1 34.7



#18
Methyl Acetate
Concen: 2.080 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

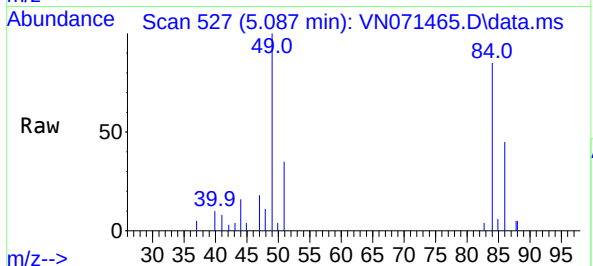
Tgt Ion: 43 Resp: 21467
Ion Ratio Lower Upper
43 100
74 10.0 19.4 29.2#



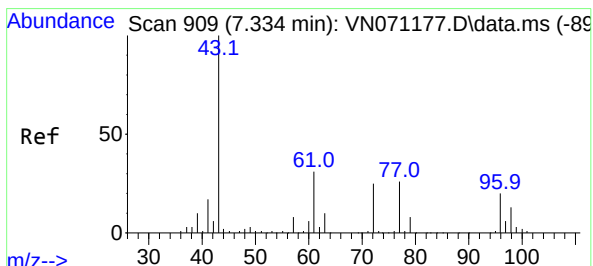
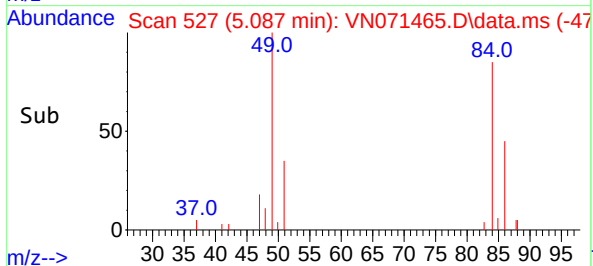
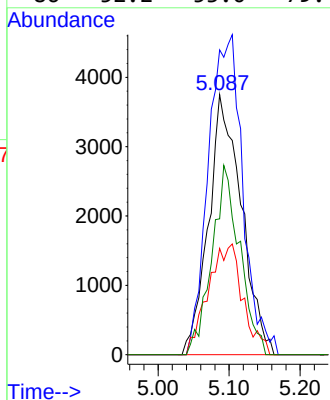


#20
Methylene Chloride
Concen: 1.711 ug/l
RT: 5.087 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

Instrument :
MSVOA_N
ClientSampleId :
PB143494ZHE#03

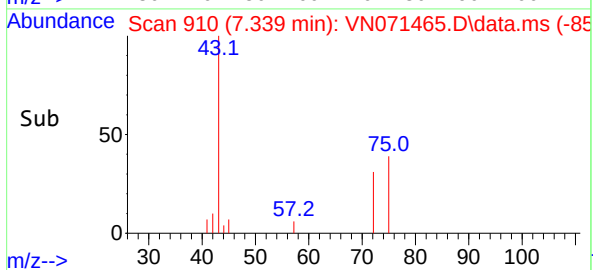
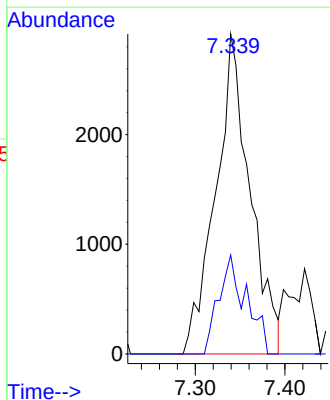
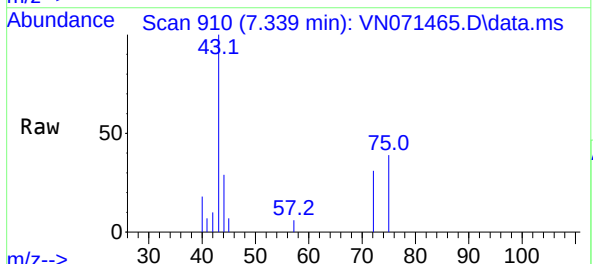


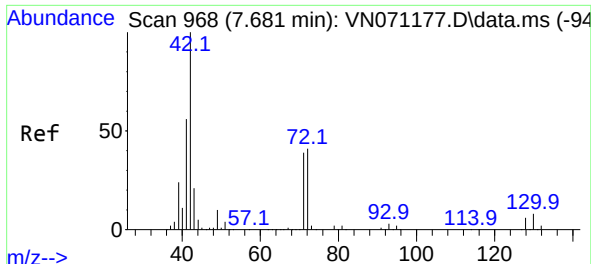
Tgt Ion: 84 Resp: 12039
Ion Ratio Lower Upper
84 100
49 117.2 93.5 140.3
51 40.9 29.4 44.2
86 52.2 53.0 79.4#



#25
2-Butanone
Concen: 0.980 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

Tgt Ion: 43 Resp: 7765
Ion Ratio Lower Upper
43 100
72 30.9 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.310 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN071465.D

Acq: 22 Mar 2022 14:07

Instrument :

MSVOA_N

ClientSampleId :

PB143494ZHE#03

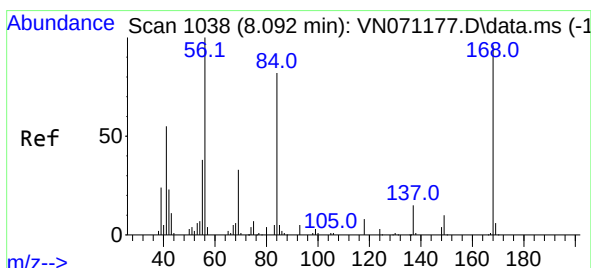
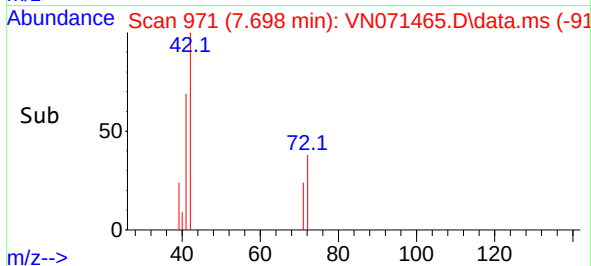
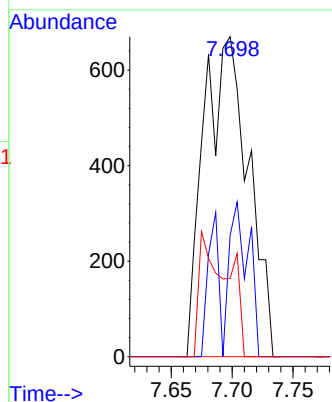
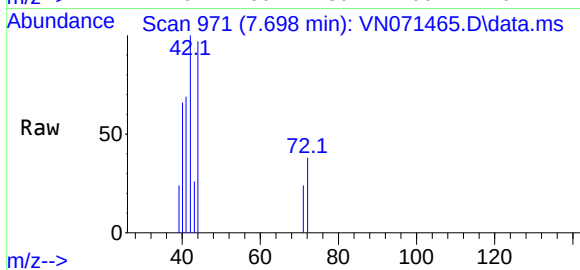
Tgt Ion: 42 Resp: 1703

Ion Ratio Lower Upper

42 100

72 21.0 36.3 54.5#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.001 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071465.D

Acq: 22 Mar 2022 14:07

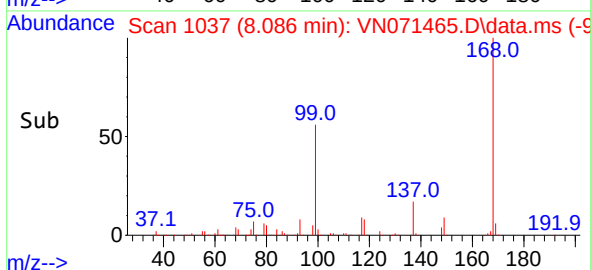
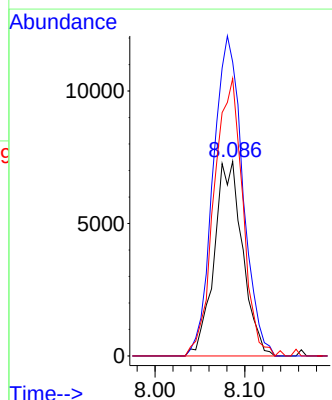
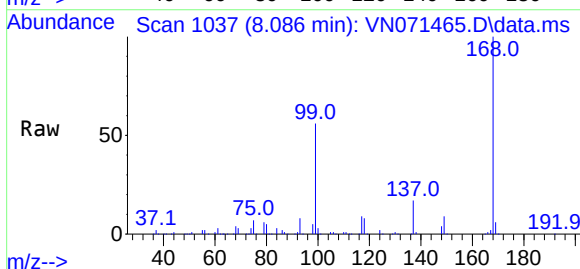
Tgt Ion: 56 Resp: 16153

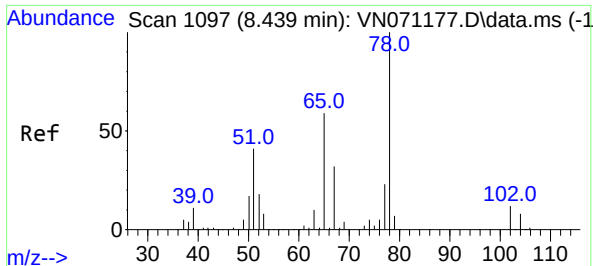
Ion Ratio Lower Upper

56 100

69 151.1 27.1 40.7#

84 142.6 73.4 110.0#

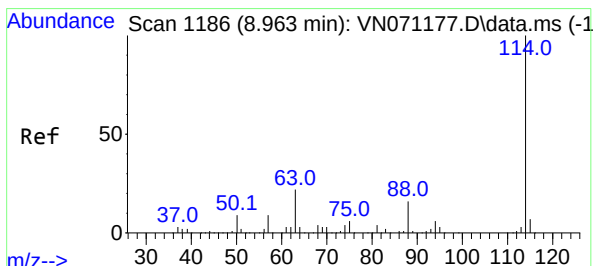
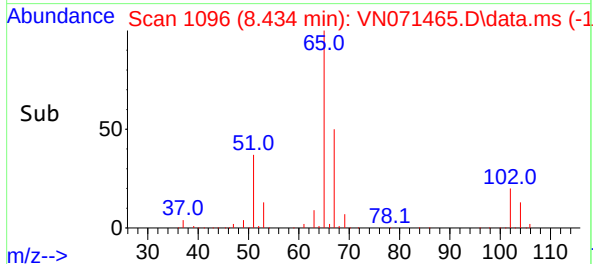
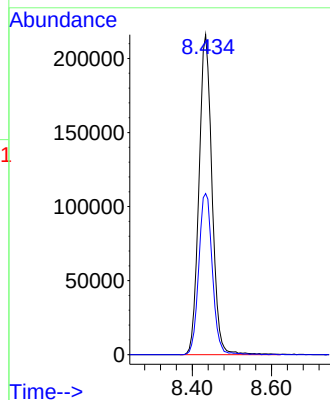
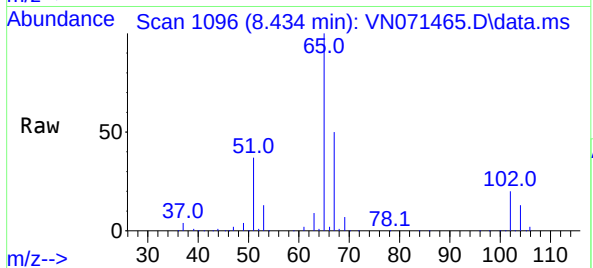




#33
1,2-Dichloroethane-d4
Concen: 48.702 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

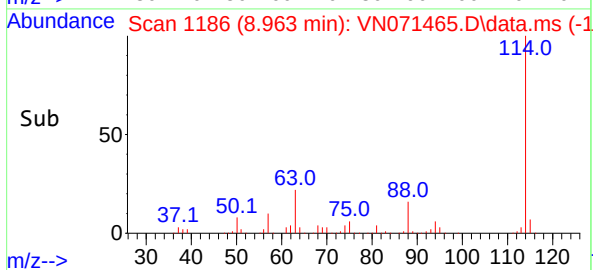
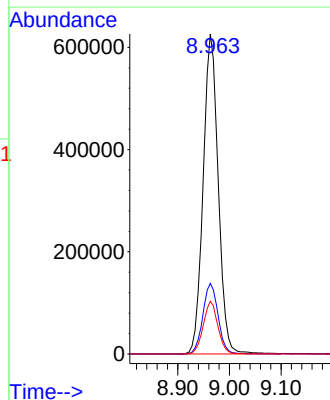
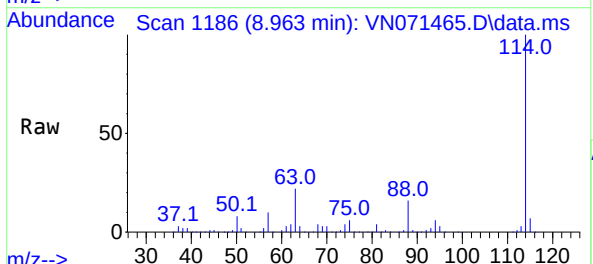
Instrument :
MSVOA_N
ClientSampleId :
PB143494ZHE#03

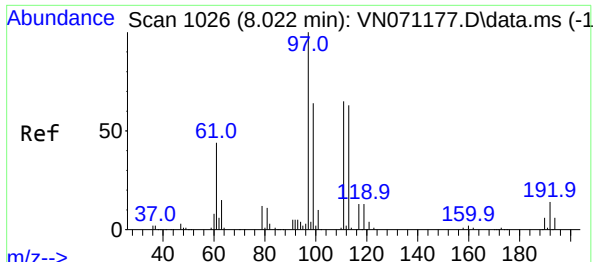
Tgt Ion: 65 Resp: 492330
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

Tgt Ion: 114 Resp: 1269030
Ion Ratio Lower Upper
114 100
63 22.1 0.0 37.8
88 16.5 0.0 27.4

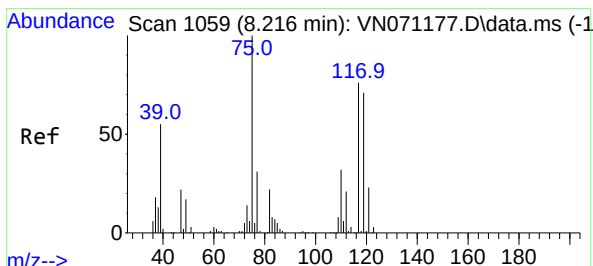
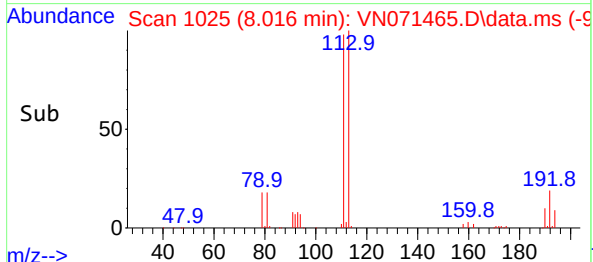
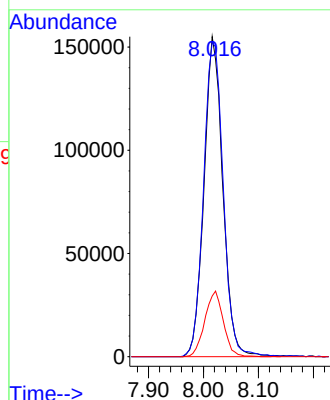
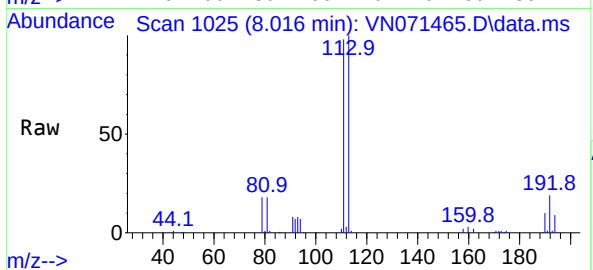




#35
Dibromofluoromethane
Concen: 45.995 ug/l
RT: 8.016 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

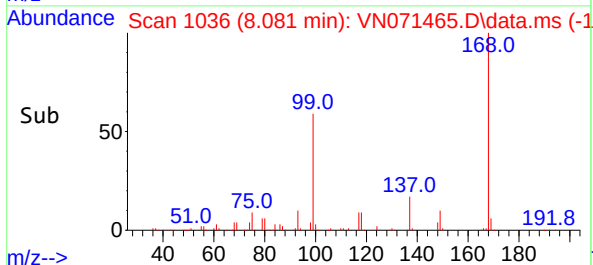
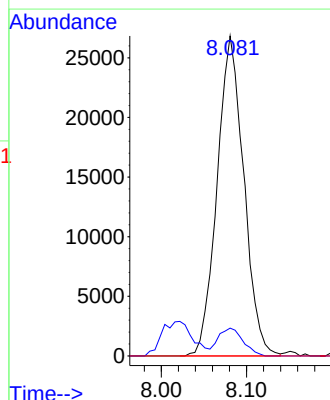
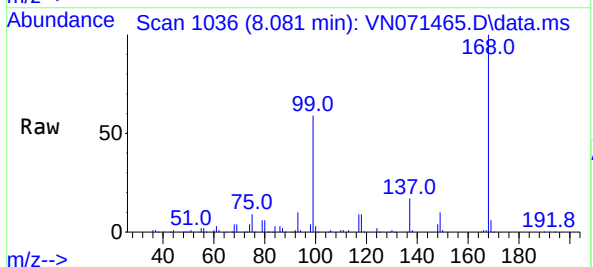
Instrument :
MSVOA_N
ClientSampleId :
PB143494ZHE#03

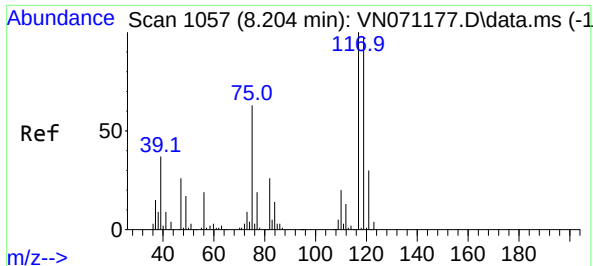
Tgt Ion:113 Resp: 368329
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.561 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

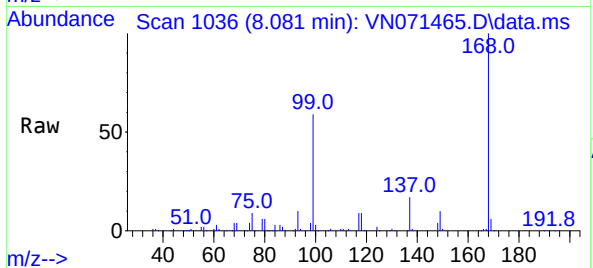
Tgt Ion: 75 Resp: 58516
Ion Ratio Lower Upper
75 100
110 8.0 18.4 55.2#
77 0.0 24.4 36.6#



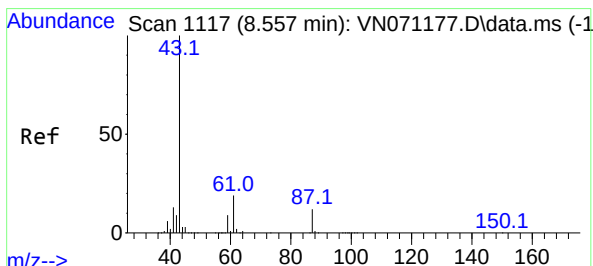
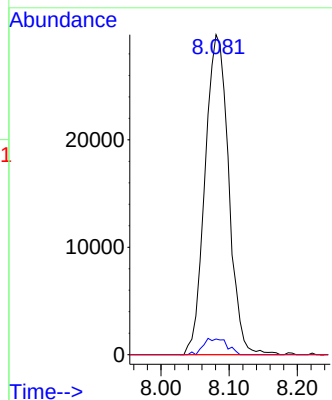
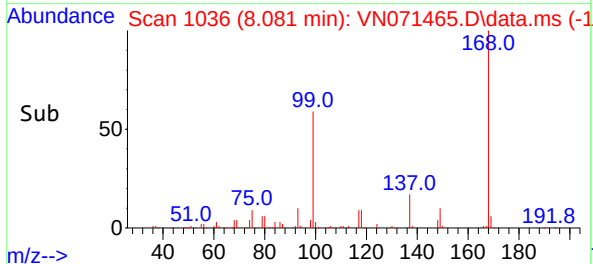


#38
Carbon Tetrachloride
Concen: 5.787 ug/l
RT: 8.081 min Scan# 110
Delta R.T. -0.123 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

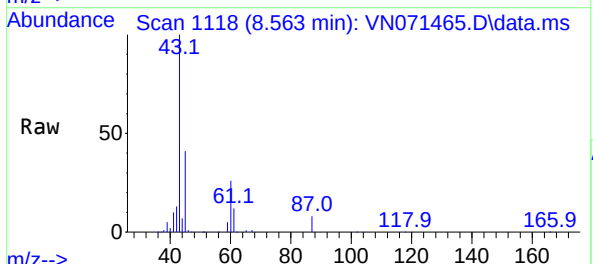
Instrument :
MSVOA_N
ClientSampleId :
PB143494ZHE#03



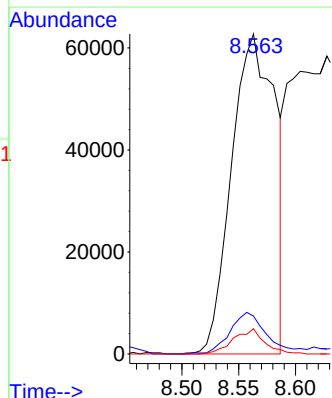
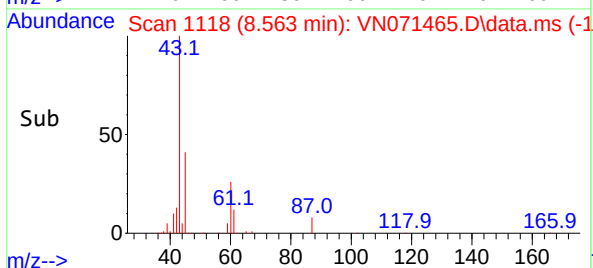
Tgt Ion:117 Resp: 71824
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#

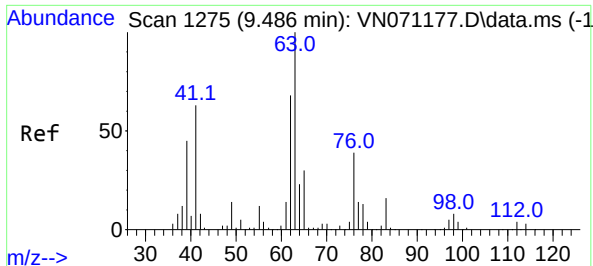


#43
Isopropyl Acetate
Concen: 6.346 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07



Tgt Ion: 43 Resp: 167575
Ion Ratio Lower Upper
43 100
61 11.1 20.4 30.6#
87 5.6 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.561 ug/l

RT: 9.622 min Scan# 1

Delta R.T. 0.136 min

Lab File: VN071465.D

Acq: 22 Mar 2022 14:07

Instrument :

MSVOA_N

ClientSampleId :

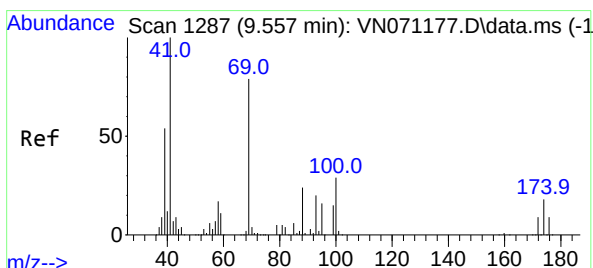
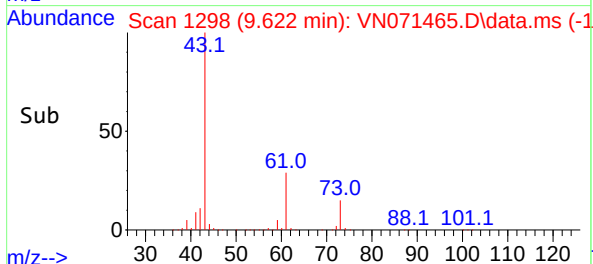
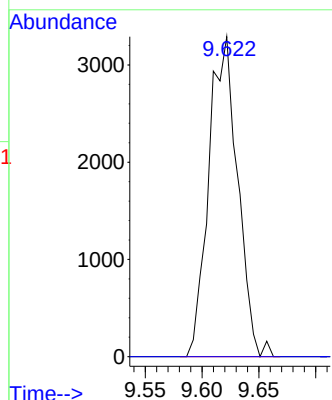
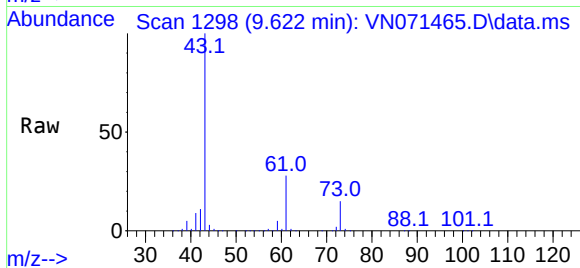
PB143494ZHE#03

Tgt Ion: 63 Resp: 5819

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.801 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.018 min

Lab File: VN071465.D

Acq: 22 Mar 2022 14:07

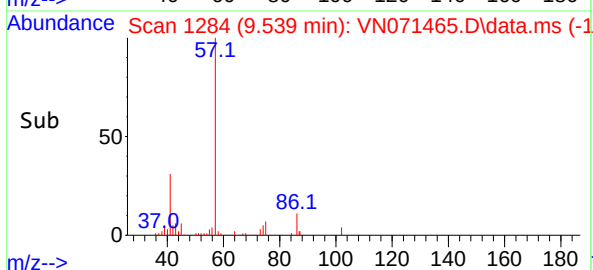
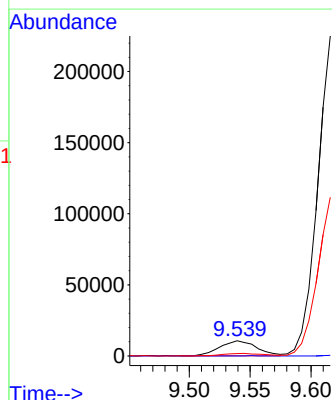
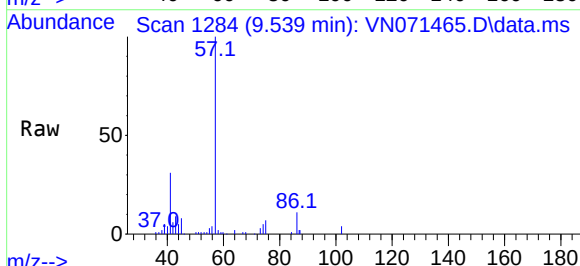
Tgt Ion: 41 Resp: 22033

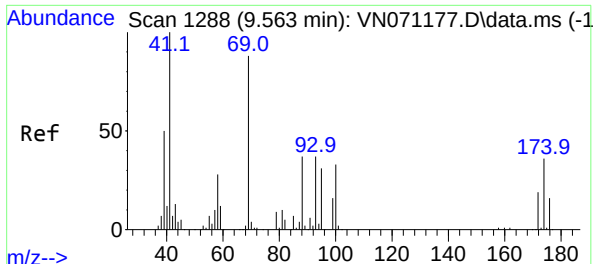
Ion Ratio Lower Upper

41 100

69 0.3 72.4 108.6#

39 0.0 58.4 87.6#

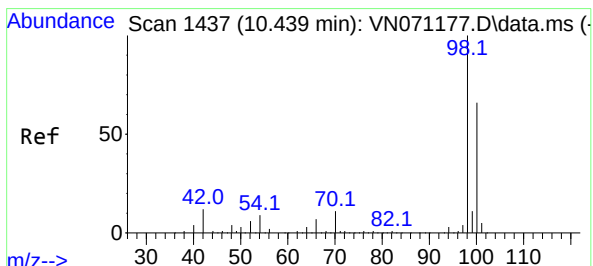
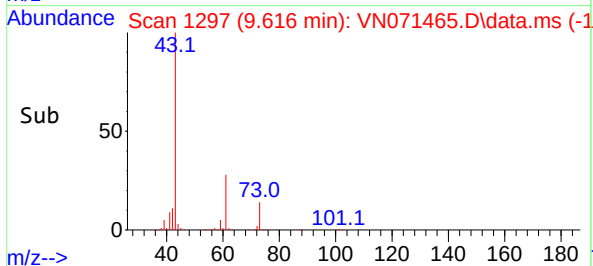
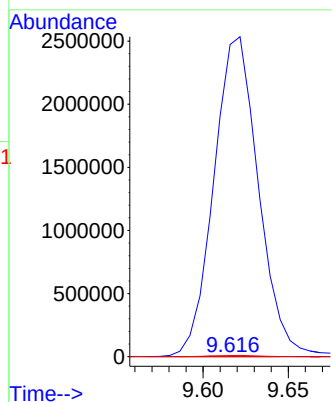
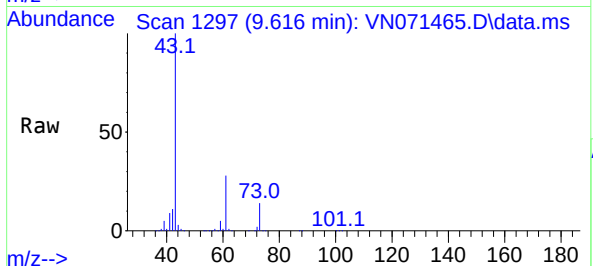




#49
1,4-Dioxane
Concen: 3.206 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.053 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

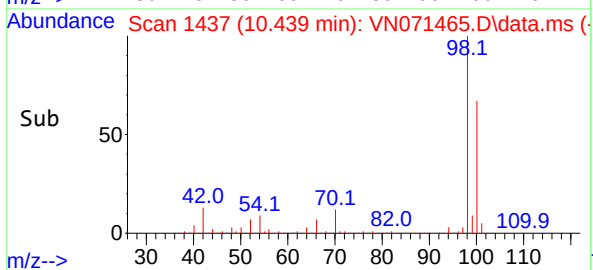
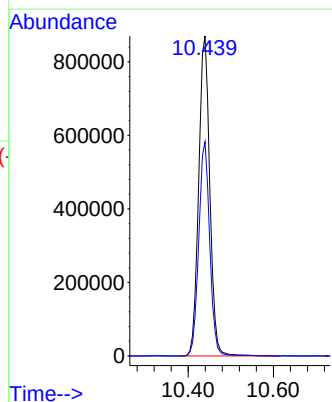
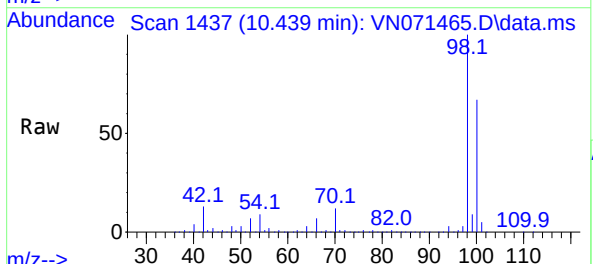
Instrument :
MSVOA_N
ClientSampleId :
PB143494ZHE#03

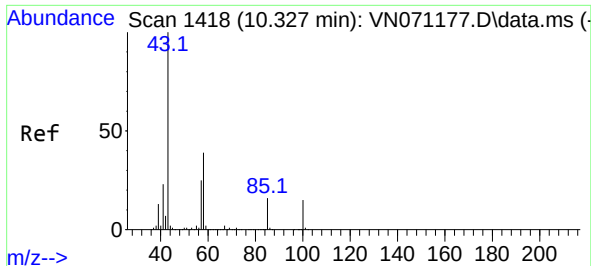
Tgt Ion: 88 Resp: 682
Ion Ratio Lower Upper
88 100
43 687616.3 23.4 35.2#
58 2935.9 50.6 75.8#



#50
Toluene-d8
Concen: 48.816 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

Tgt Ion: 98 Resp: 1573958
Ion Ratio Lower Upper
98 100
100 66.0 50.4 75.6

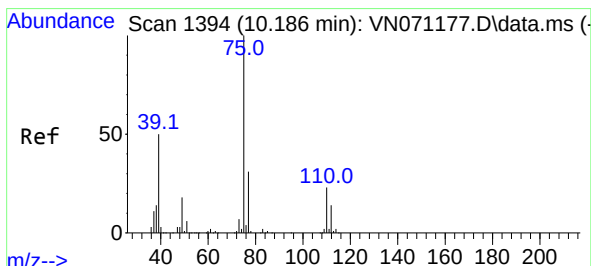
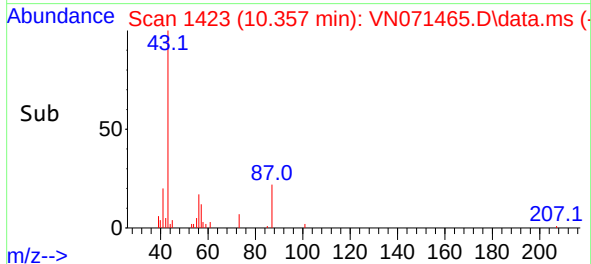
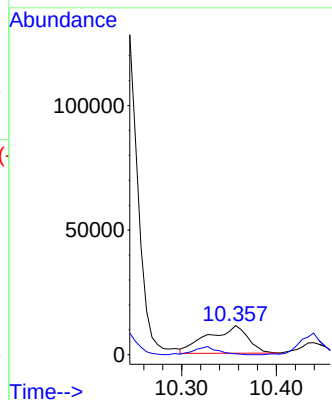
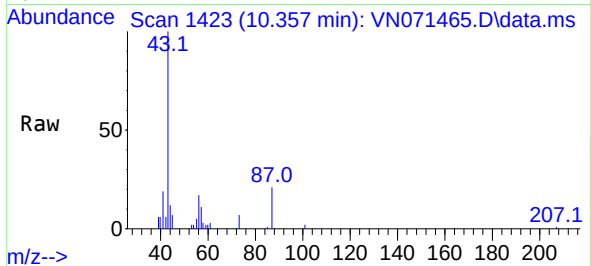




#51
4-Methyl-2-Pentanone
Concen: 1.965 ug/l
RT: 10.357 min Scan# 1418
Delta R.T. 0.030 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

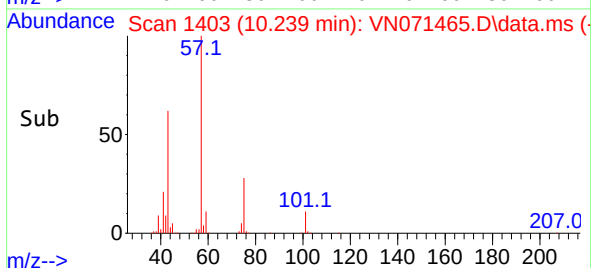
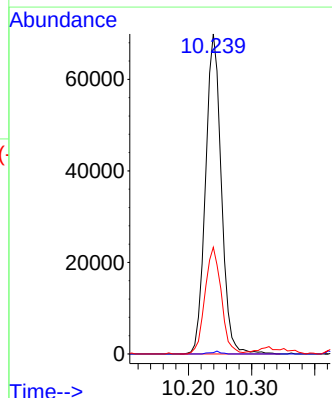
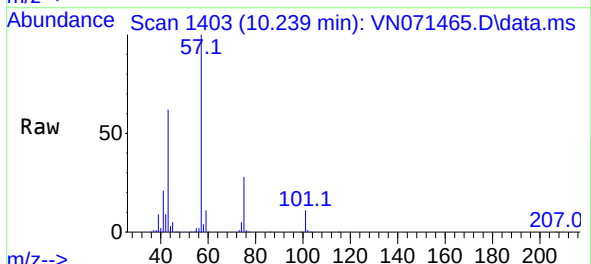
Instrument :
MSVOA_N
ClientSampleId :
PB143494ZHE#03

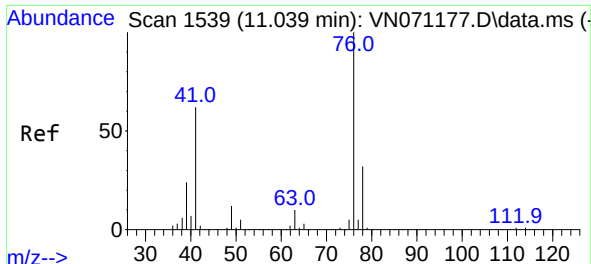
Tgt Ion: 43 Resp: 32196
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 7.814 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

Tgt Ion: 75 Resp: 121480
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 33.4 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 4.267 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071465.D

Acq: 22 Mar 2022 14:07

Instrument :

MSVOA_N

ClientSampleId :

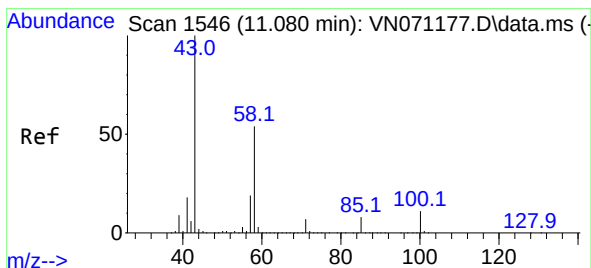
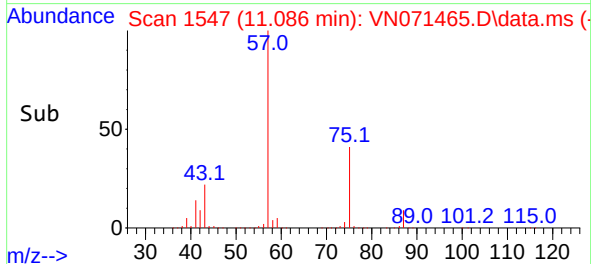
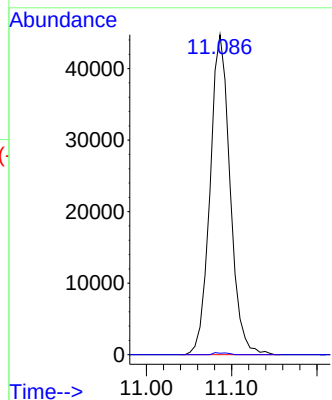
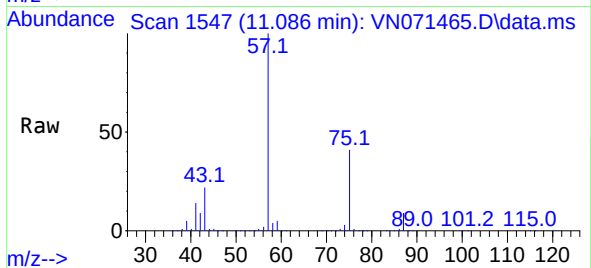
PB143494ZHE#03

Tgt Ion: 76 Resp: 73060

Ion Ratio Lower Upper

76 100

78 0.4 25.7 38.5#



#59

2-Hexanone

Concen: 105.894 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071465.D

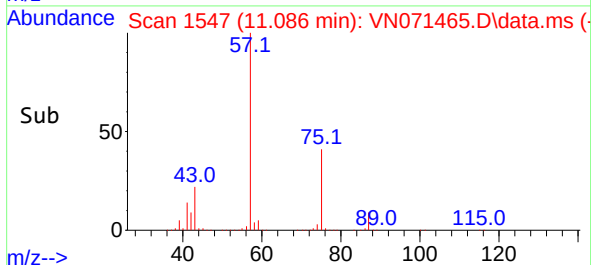
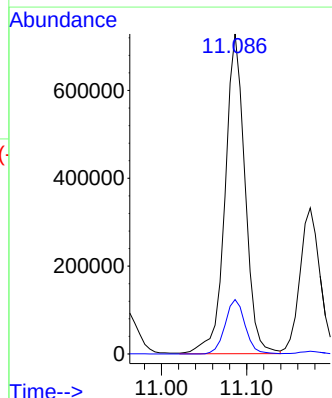
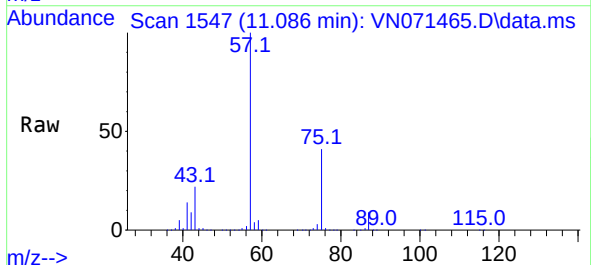
Acq: 22 Mar 2022 14:07

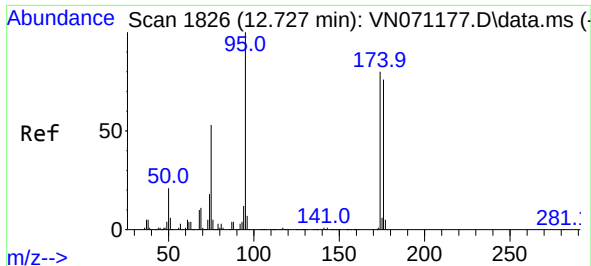
Tgt Ion: 43 Resp: 1184055

Ion Ratio Lower Upper

43 100

58 17.1 26.9 80.7#

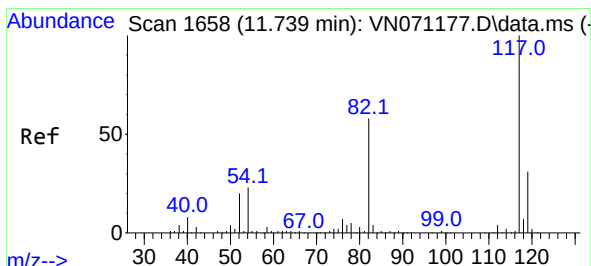
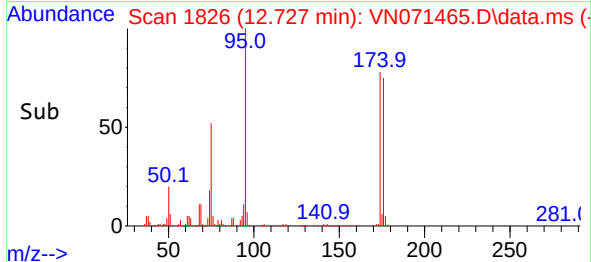
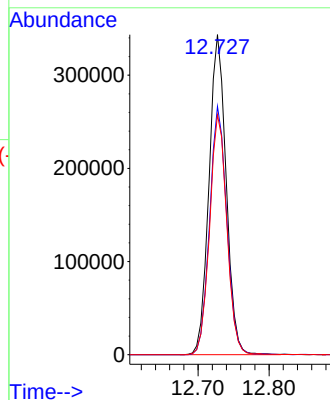
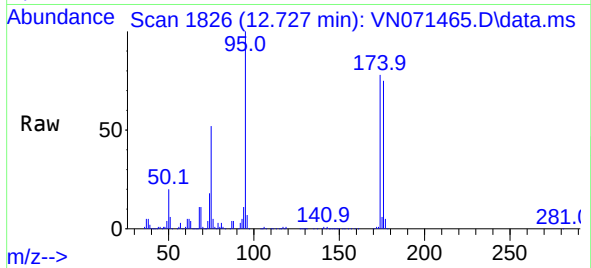




#62
4-Bromofluorobenzene
Concen: 52.674 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

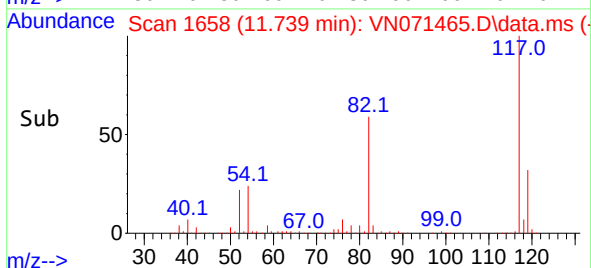
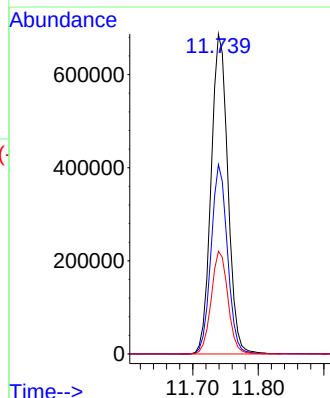
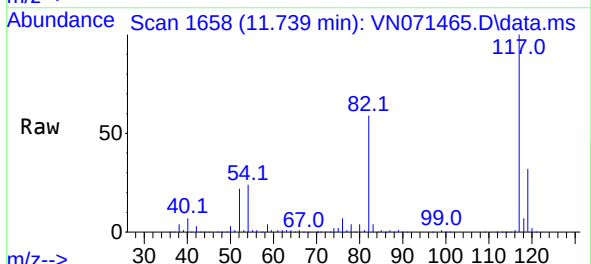
Instrument :
MSVOA_N
ClientSampleId :
PB143494ZHE#03

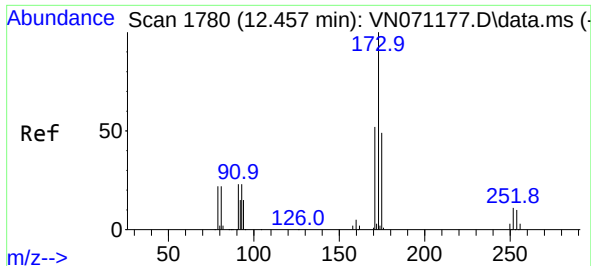
Tgt Ion: 95 Resp: 575103
Ion Ratio Lower Upper
95 100
174 77.9 0.0 187.2
176 75.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

Tgt Ion: 117 Resp: 1220550
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 32.1 25.4 38.2

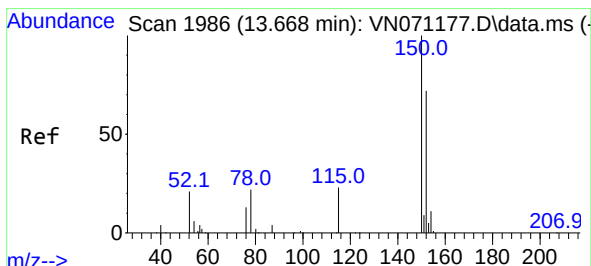
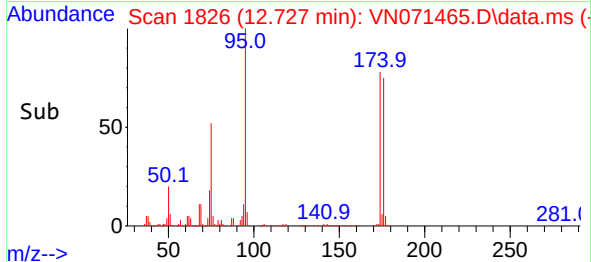
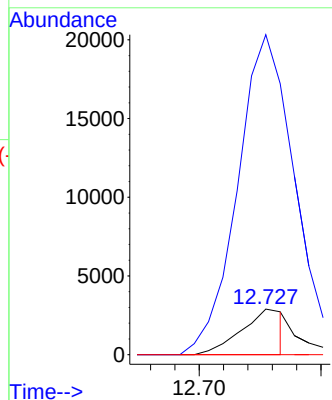
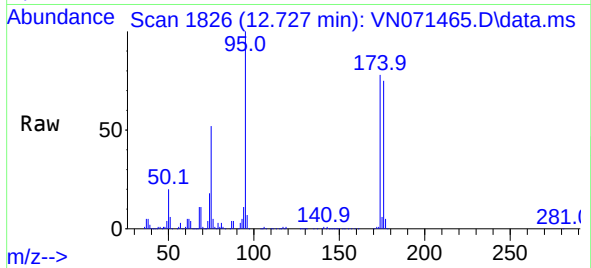




#71
Bromoform
Concen: 0.480 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

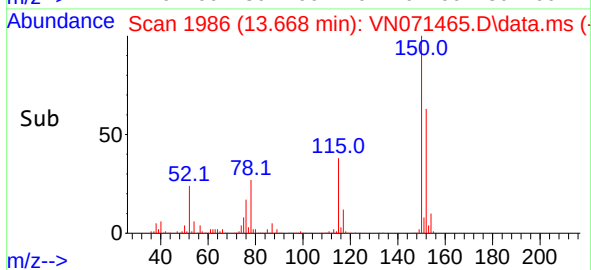
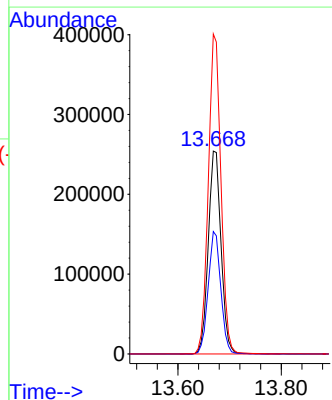
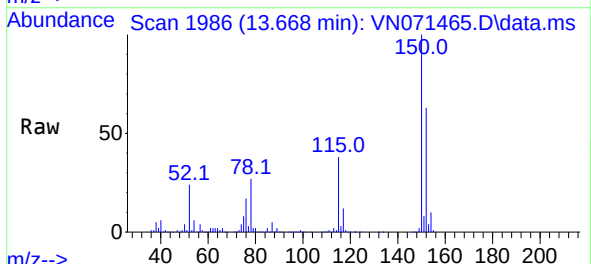
Instrument :
MSVOA_N
ClientSampleId :
PB143494ZHE#03

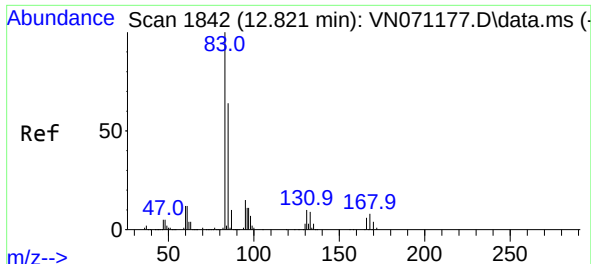
Tgt Ion:173 Resp: 3500
Ion Ratio Lower Upper
173 100
175 739.9 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

Tgt Ion:152 Resp: 436704
Ion Ratio Lower Upper
152 100
115 59.3 27.5 82.5
150 155.8 0.0 344.4

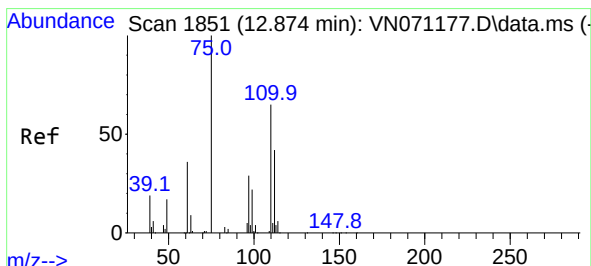
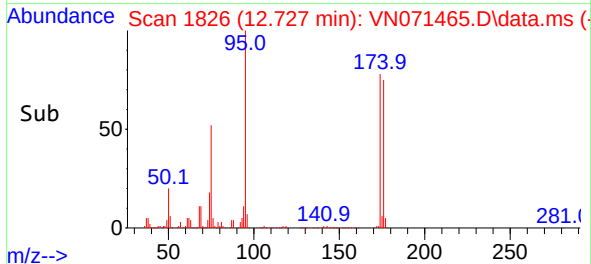
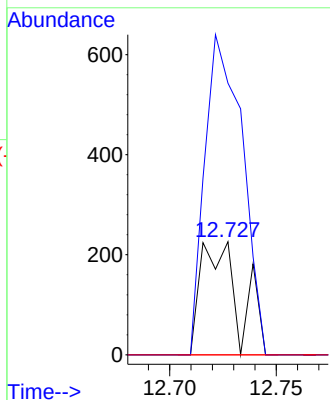
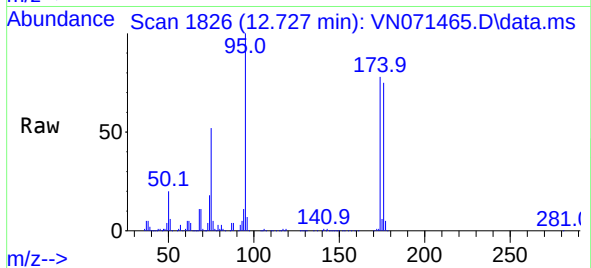




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.094 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

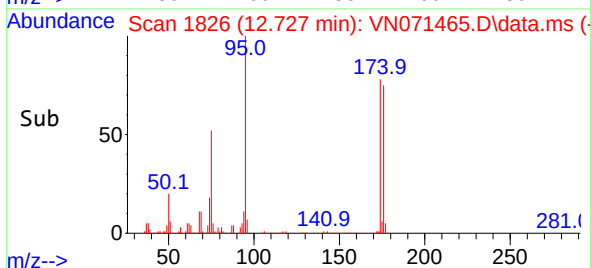
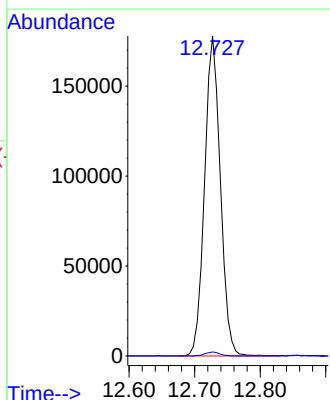
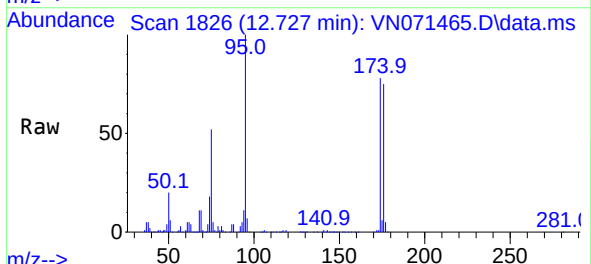
Instrument :
MSVOA_N
ClientSampleId :
PB143494ZHE#03

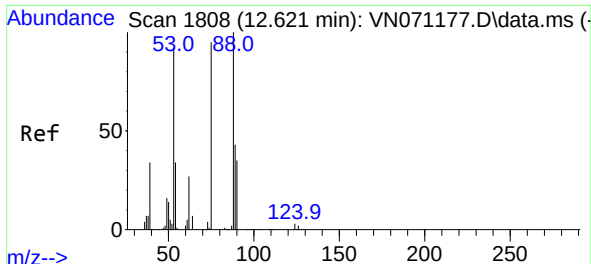
Tgt Ion: 83 Resp: 283
Ion Ratio Lower Upper
83 100
131 277.4 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.859 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

Tgt Ion: 75 Resp: 298109
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

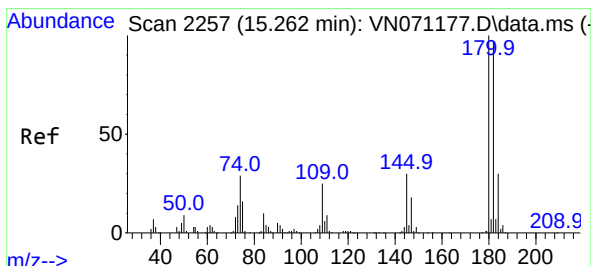
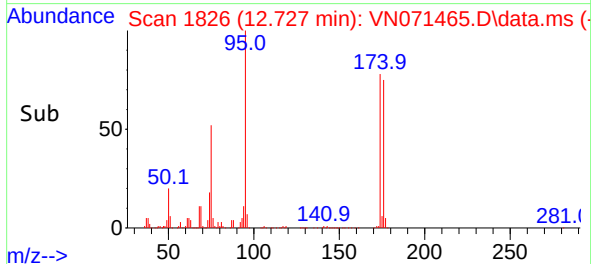
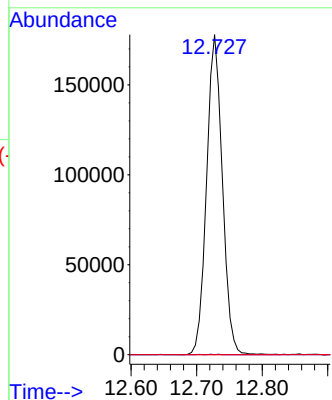
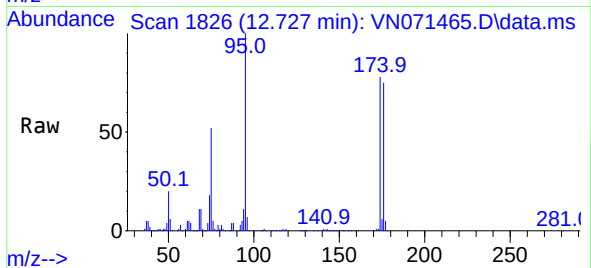




#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.792 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.106 min
 Lab File: VN071465.D
 Acq: 22 Mar 2022 14:07

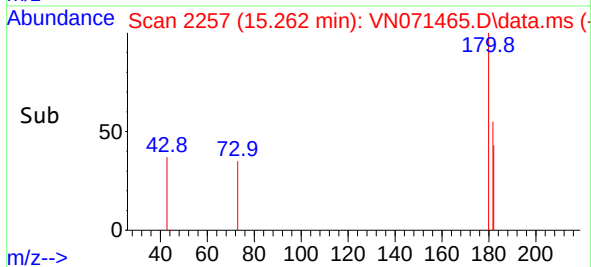
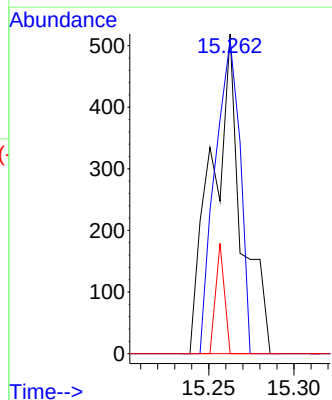
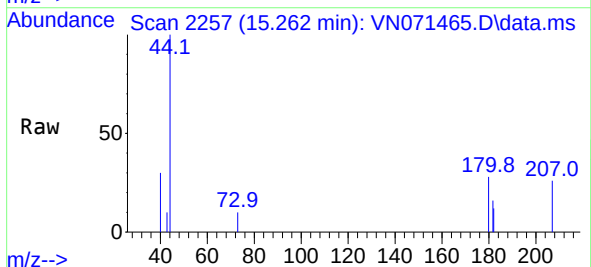
Instrument :
 MSVOA_N
 ClientSampleId :
 PB143494ZHE#03

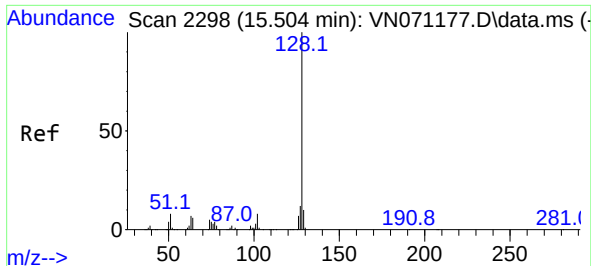
Tgt Ion: 75 Resp: 298109
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.072 ug/l
 RT: 15.262 min Scan# 2257
 Delta R.T. 0.000 min
 Lab File: VN071465.D
 Acq: 22 Mar 2022 14:07

Tgt Ion: 180 Resp: 630
 Ion Ratio Lower Upper
 180 100
 182 82.1 48.3 144.9
 145 10.0 14.5 43.5#

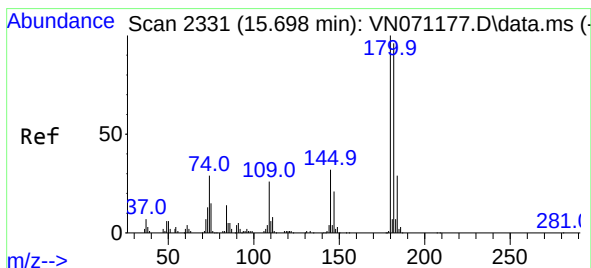
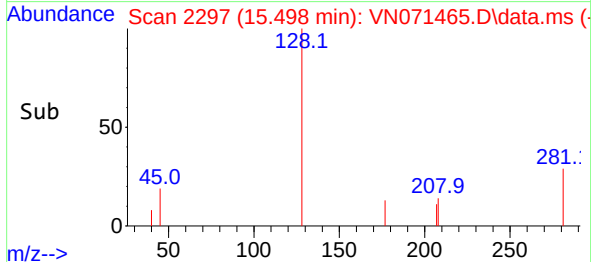
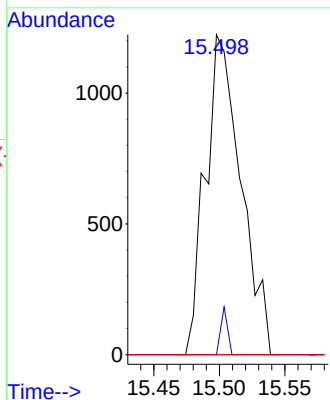
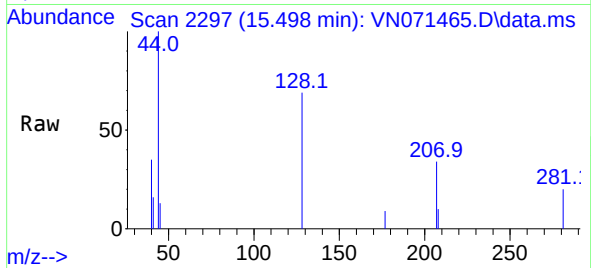




#95
Naphthalene
Concen: 5.171 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

Instrument :
MSVOA_N
ClientSampleId :
PB143494ZHE#03

Tgt Ion:128 Resp: 2308
Ion Ratio Lower Upper
128 100
127 2.8 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.798 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN071465.D
Acq: 22 Mar 2022 14:07

Tgt Ion:180 Resp: 476
Ion Ratio Lower Upper
180 100
182 129.8 47.4 142.2
145 0.0 15.0 45.1#

