

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030322\
 Data File : VN071152.D
 Acq On : 03 Mar 2022 14:46
 Operator : JC\MD
 Sample : PB143059ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143059ZHE#03

Quant Time: Mar 04 01:13:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

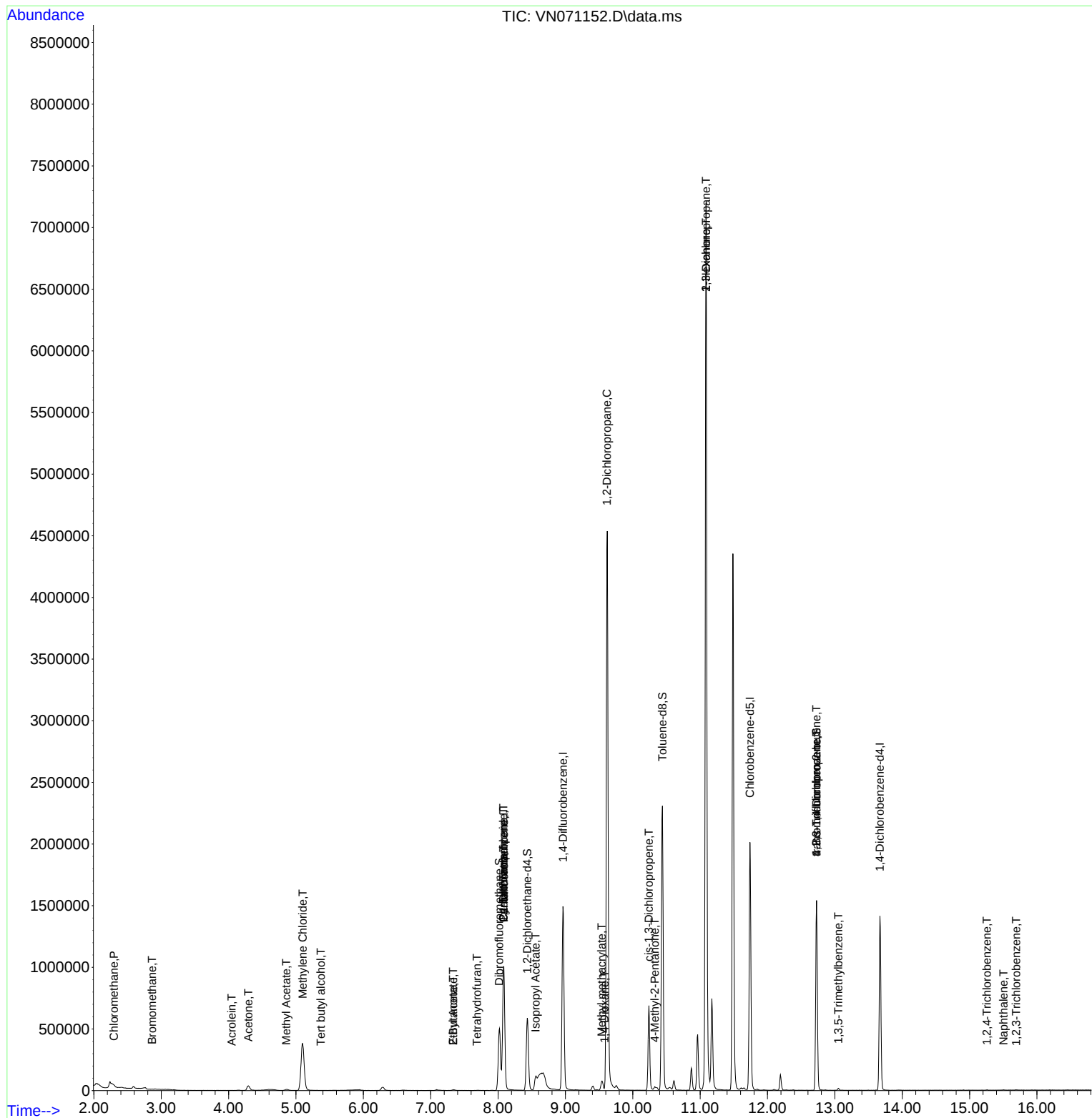
Internal Standards						
1) Pentafluorobenzene	8.087	168	787462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1301869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1166156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	393667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	487502	54.195	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.400%	
35) Dibromofluoromethane	8.016	113	374724	48.392	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.780%	
50) Toluene-d8	10.439	98	1602799	51.541	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.080%	
62) 4-Bromofluorobenzene	12.727	95	542561	48.811	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.620%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3185	0.310	ug/l #	82
5) Bromomethane	2.863	94	2227	0.381	ug/l	96
11) Tert butyl alcohol	5.369	59	534	0.326	ug/l #	71
13) Acrolein	4.046	56	750	0.512	ug/l #	45
16) Acetone	4.293	43	71713	14.476	ug/l	98
18) Methyl Acetate	4.857	43	21227	1.371	ug/l #	73
20) Methylene Chloride	5.099	84	312071	34.662	ug/l	90
25) 2-Butanone	7.334	43	12205	1.852	ug/l #	79
29) Tetrahydrofuran	7.687	42	854	0.200	ug/l #	45
31) Cyclohexane	8.081	56	16008	1.029	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	63200	4.982	ug/l #	49
37) Ethyl Acetate	7.334	43	12205	0.897	ug/l #	68
38) Carbon Tetrachloride	8.081	117	76783	6.143	ug/l #	17
43) Isopropyl Acetate	8.557	43	135416	6.314	ug/l #	78
45) 1,2-Dichloropropane	9.616	63	5739	0.597	ug/l #	44
48) Methyl methacrylate	9.539	41	21731	2.141	ug/l #	8
49) 1,4-Dioxane	9.581	88	61	0.338	ug/l #	27
51) 4-Methyl-2-Pentanone	10.328	43	19677	1.508	ug/l	99
54) cis-1,3-Dichloropropene	10.239	75	120920	7.920	ug/l #	62
57) 1,3-Dichloropropane	11.086	76	73031	4.574	ug/l #	43
59) 2-Hexanone	11.086	43	1156838	128.911	ug/l #	50
76) 1,2,3-Trichloropropane	12.727	75	272590	29.409	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.051	105	5769	0.225	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.727	75	272590	95.299	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	852	2.112	ug/l	84
95) Naphthalene	15.504	128	3606	5.174	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.692	180	1047	2.665	ug/l	87

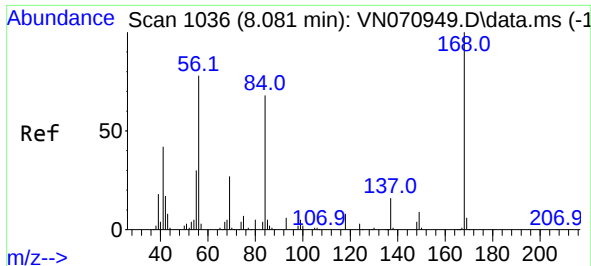
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030322\
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Instrument :
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Quant Time: Mar 04 01:13:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 21 07:57:15 2022
Response via : Initial Calibration

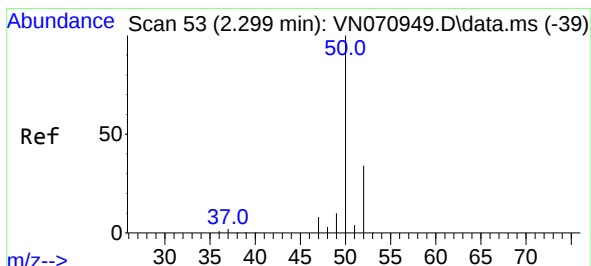
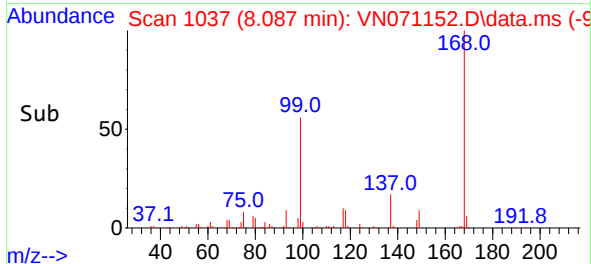
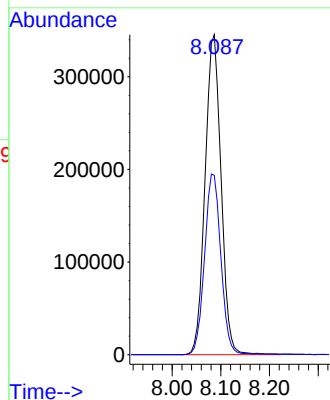
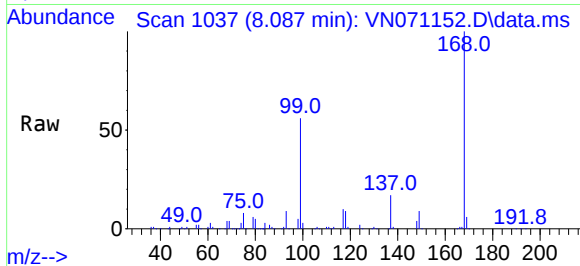




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

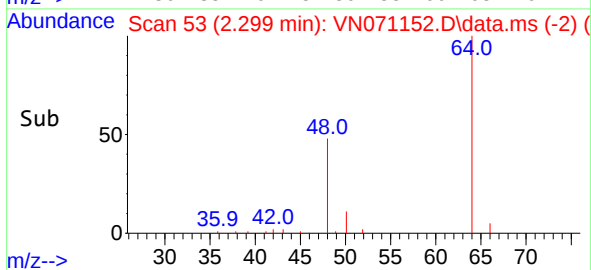
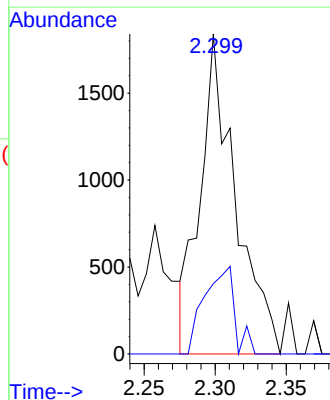
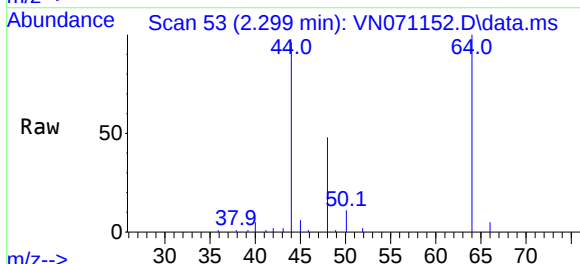
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#03

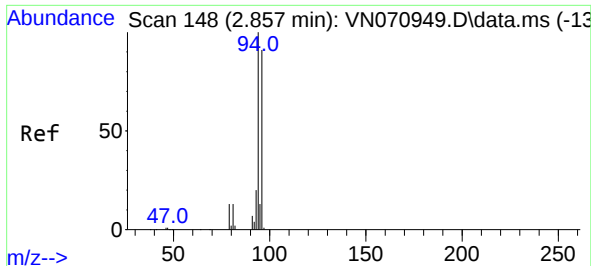
Tgt Ion:168 Resp: 787462
Ion Ratio Lower Upper
168 100
99 56.0 41.3 61.9



#3
Chloromethane
Concen: 0.310 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

Tgt Ion: 50 Resp: 3185
Ion Ratio Lower Upper
50 100
52 22.0 25.4 38.0#

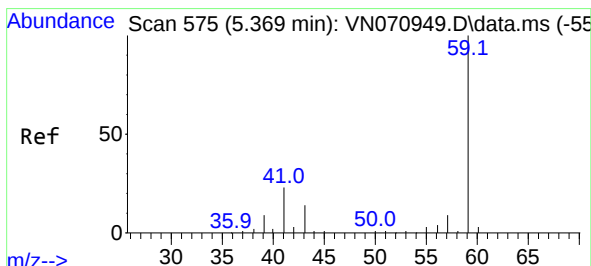
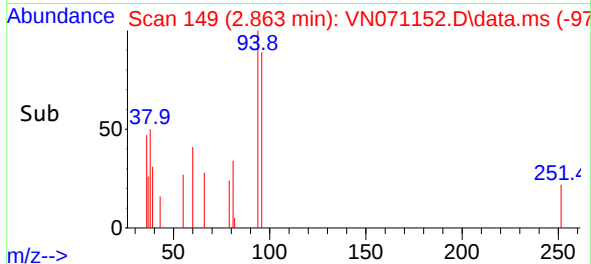
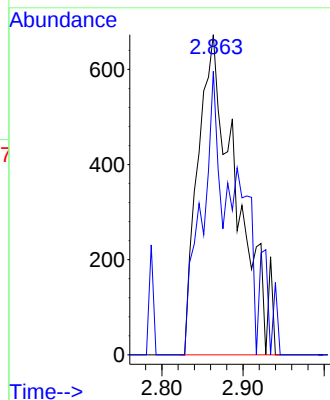
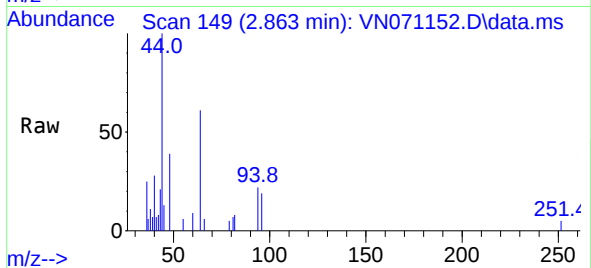




#5
Bromomethane
Concen: 0.381 ug/l
RT: 2.863 min Scan# 148
Delta R.T. 0.006 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

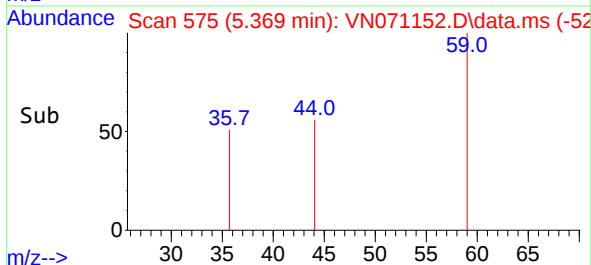
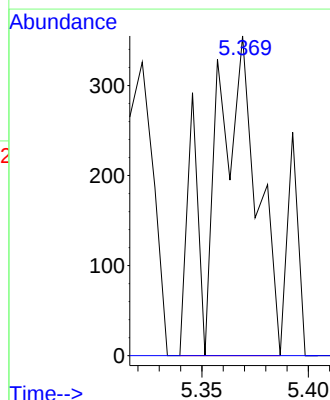
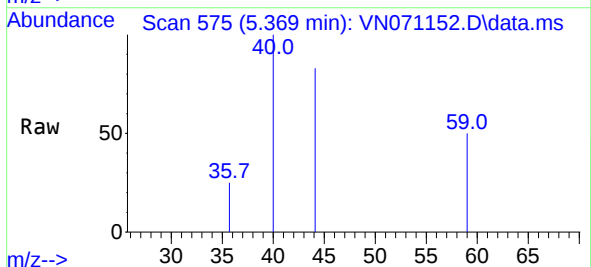
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#03

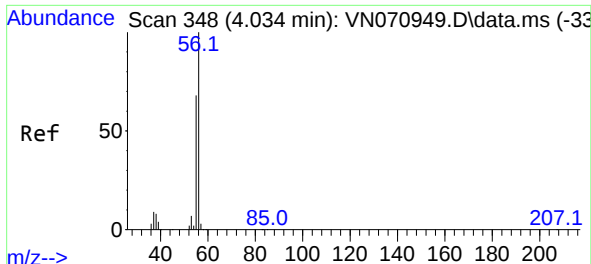
Tgt Ion: 94 Resp: 2227
Ion Ratio Lower Upper
94 100
96 88.6 73.8 110.8



#11
Tert butyl alcohol
Concen: 0.326 ug/l
RT: 5.369 min Scan# 575
Delta R.T. 0.000 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

Tgt Ion: 59 Resp: 534
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

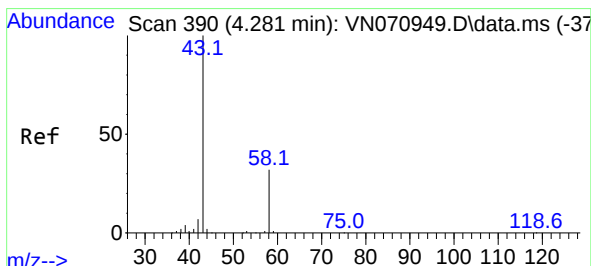
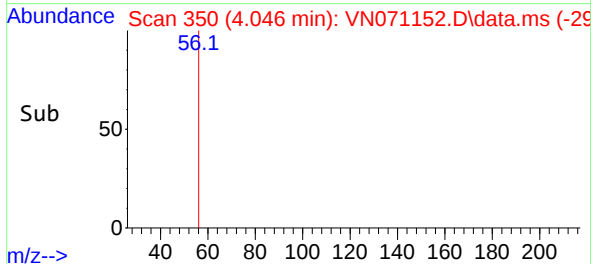
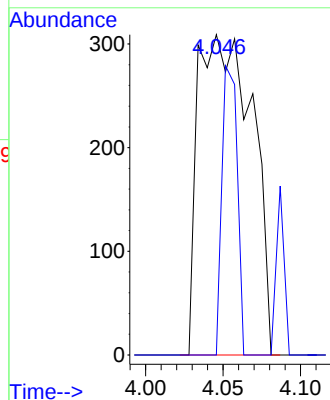
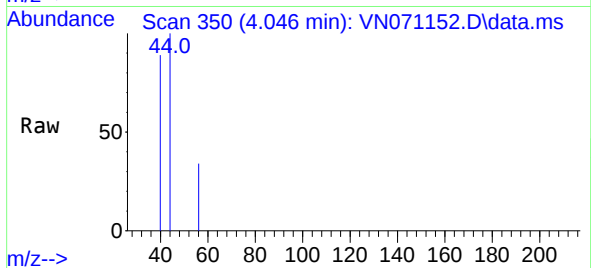




#13
Acrolein
Concen: 0.512 ug/l
RT: 4.046 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

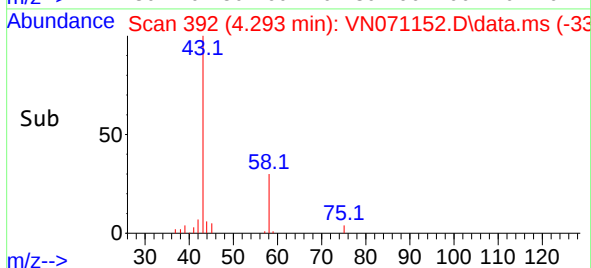
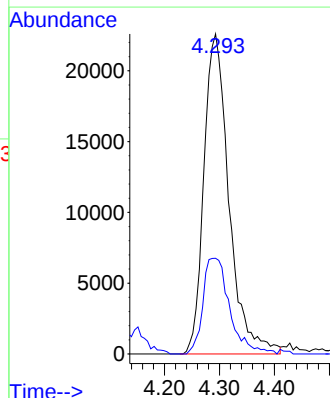
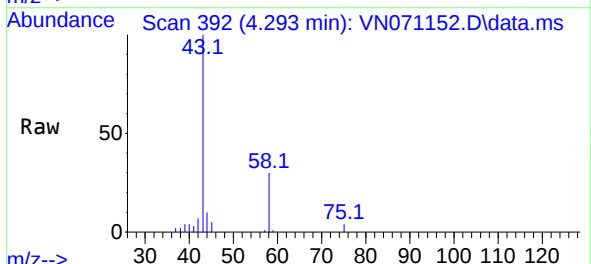
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#03

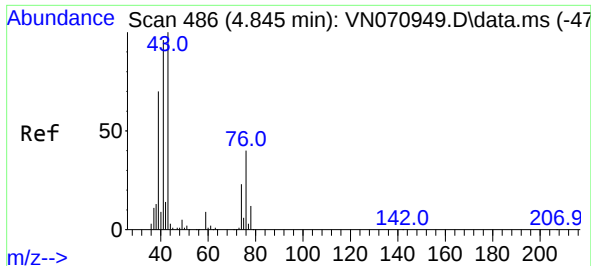
Tgt Ion: 56 Resp: 750
Ion Ratio Lower Upper
56 100
55 25.5 56.6 85.0#



#16
Acetone
Concen: 14.476 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

Tgt Ion: 43 Resp: 71713
Ion Ratio Lower Upper
43 100
58 29.9 23.1 34.7

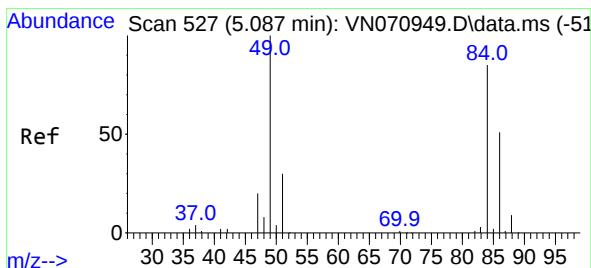
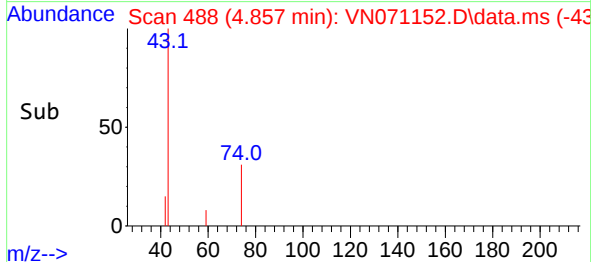
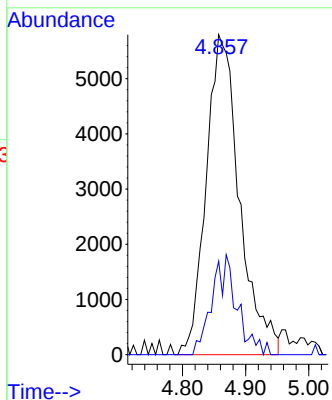
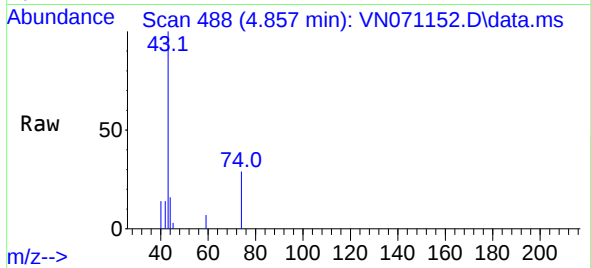




#18
Methyl Acetate
Concen: 1.371 ug/l
RT: 4.857 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

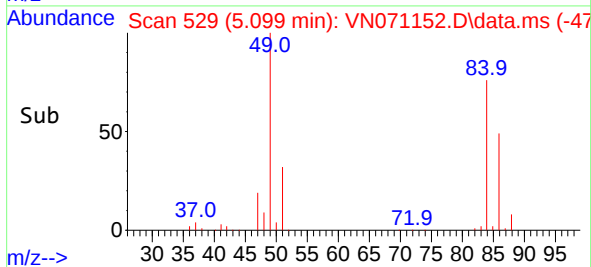
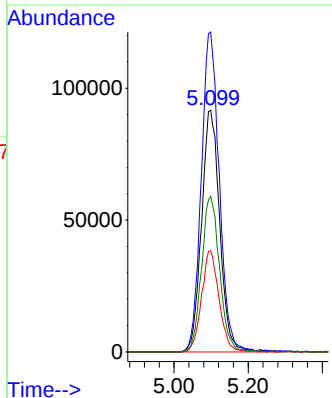
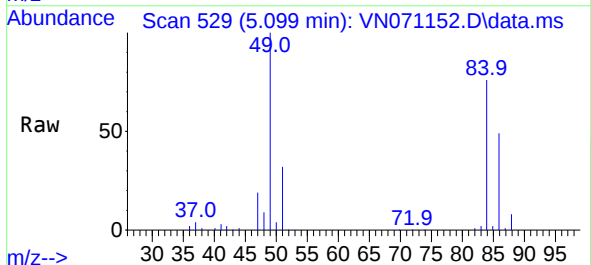
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ClientSampleId :
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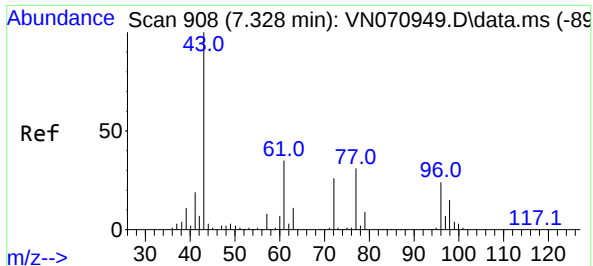
Tgt Ion: 43 Resp: 21227
Ion Ratio Lower Upper
43 100
74 11.1 19.4 29.2#



#20
Methylene Chloride
Concen: 34.662 ug/l
RT: 5.099 min Scan# 529
Delta R.T. 0.012 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

Tgt Ion: 84 Resp: 312071
Ion Ratio Lower Upper
84 100
49 132.4 93.5 140.3
51 41.9 29.4 44.2
86 64.3 53.0 79.4

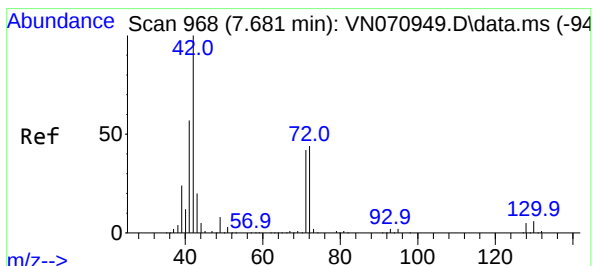
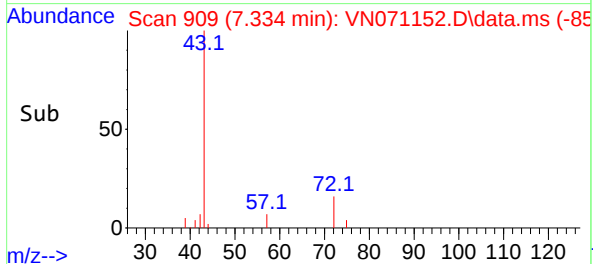
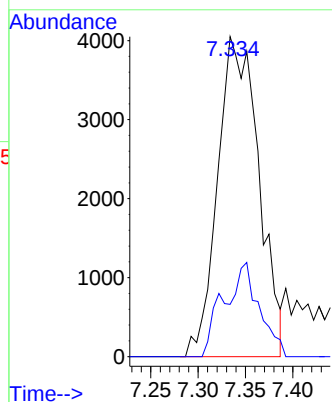
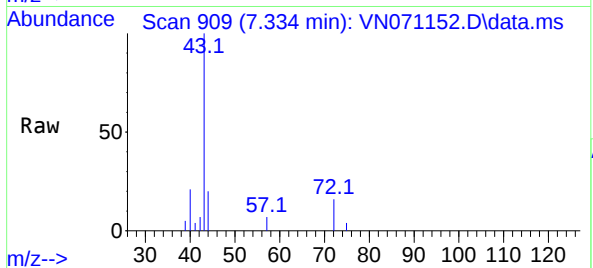




#25
2-Butanone
Concen: 1.852 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

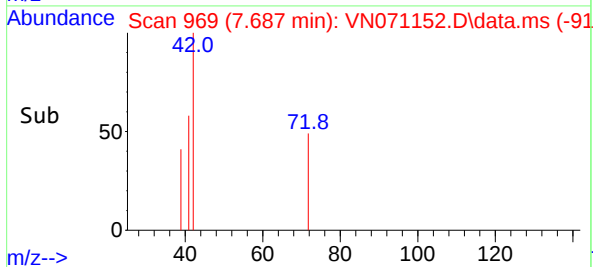
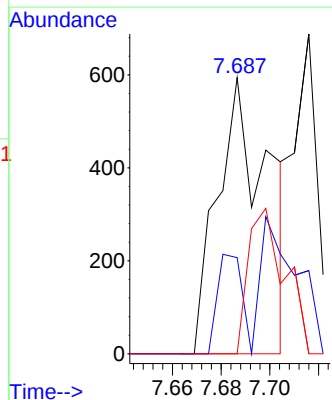
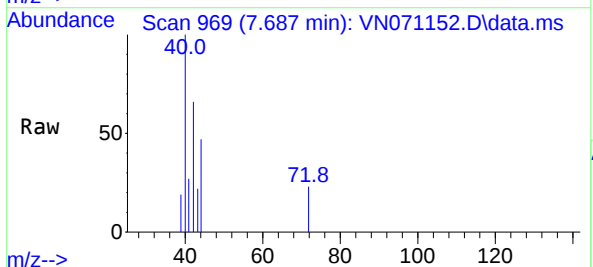
Instrument :
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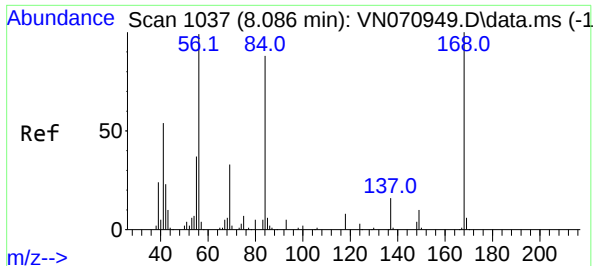
Tgt Ion: 43 Resp: 12205
Ion Ratio Lower Upper
43 100
72 16.3 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.200 ug/l
RT: 7.687 min Scan# 969
Delta R.T. 0.006 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

Tgt Ion: 42 Resp: 854
Ion Ratio Lower Upper
42 100
72 17.4 36.3 54.5#
71 0.0 34.7 52.1#

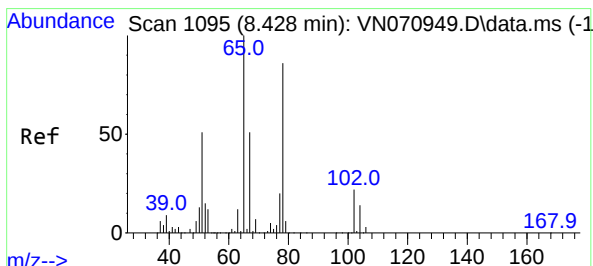
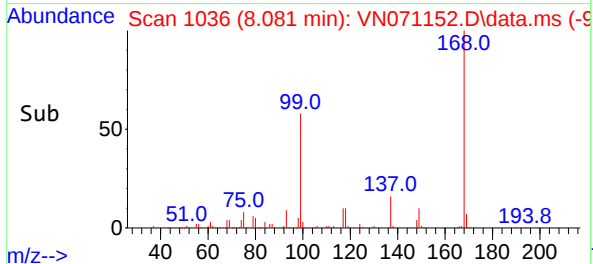
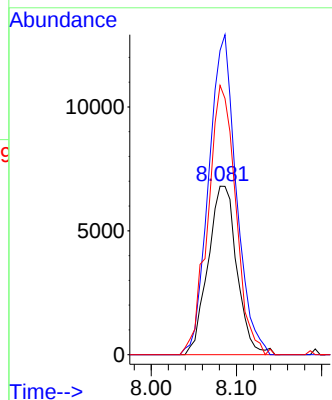
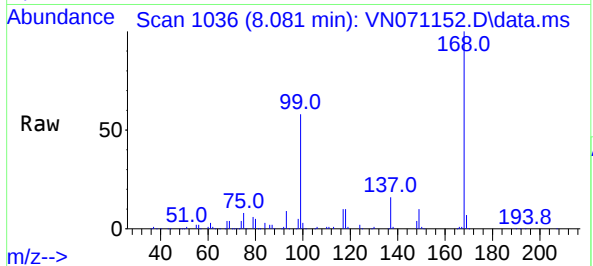




#31
Cyclohexane
Concen: 1.029 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

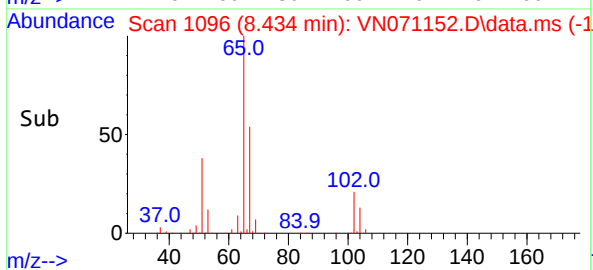
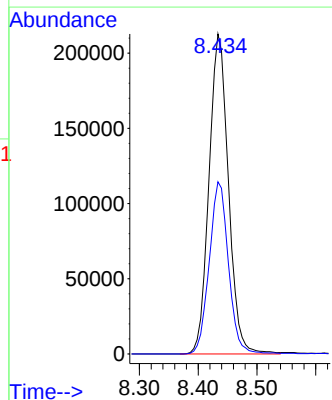
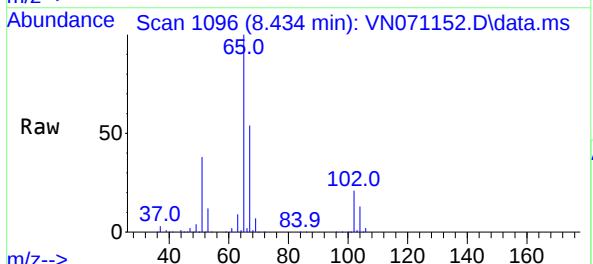
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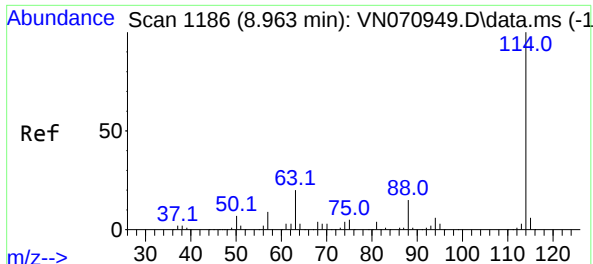
Tgt Ion: 56 Resp: 16008
Ion Ratio Lower Upper
56 100
69 180.4 27.1 40.7#
84 159.8 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 54.195 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

Tgt Ion: 65 Resp: 487502
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.0

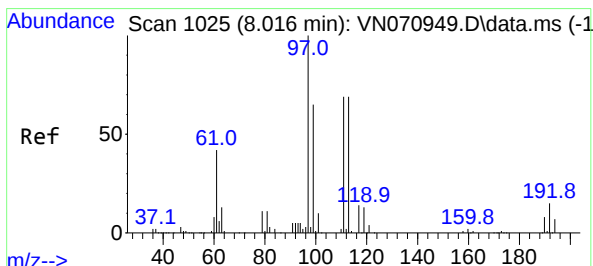
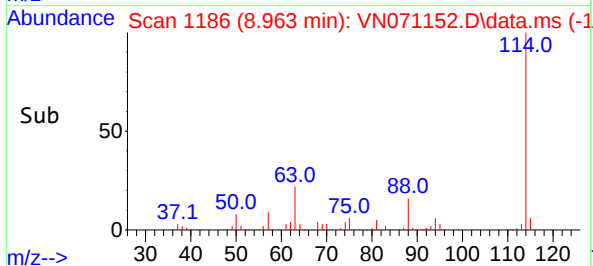
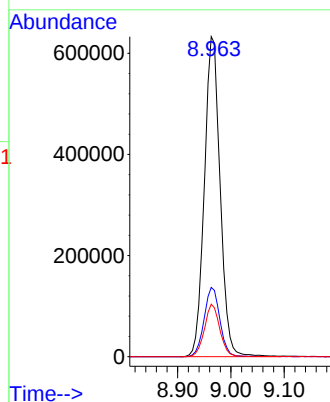
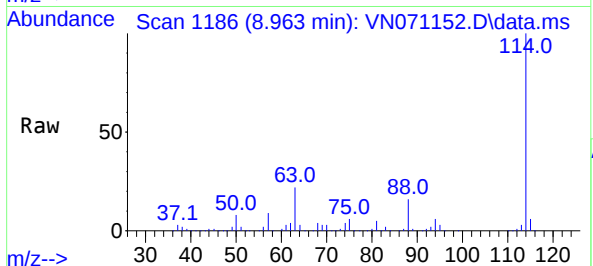




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

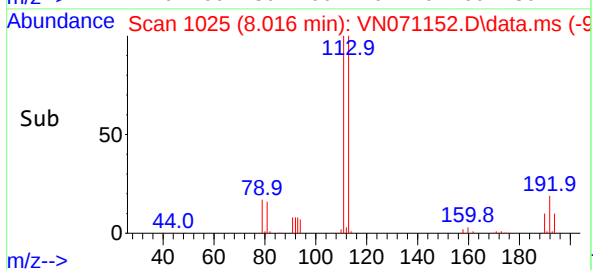
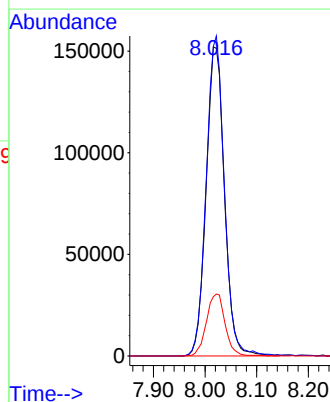
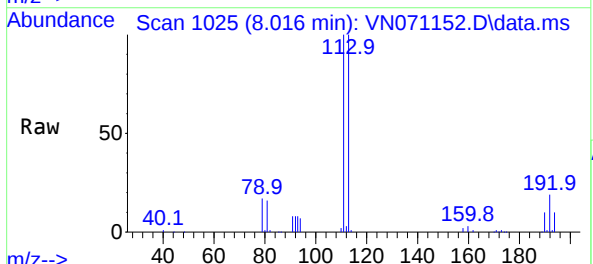
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#03

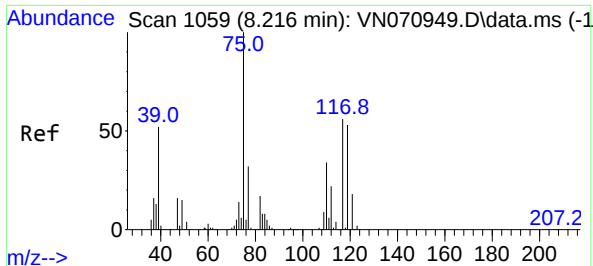
Tgt Ion:114 Resp: 1301869
Ion Ratio Lower Upper
114 100
63 21.6 0.0 37.8
88 16.4 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.392 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

Tgt Ion:113 Resp: 374724
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 20.4 16.9 25.3

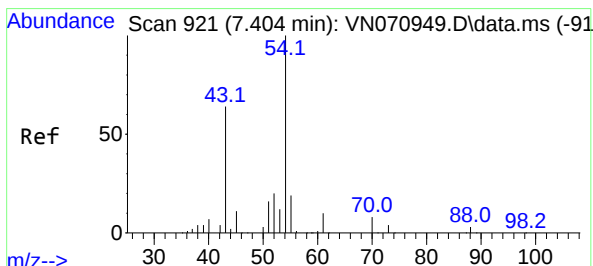
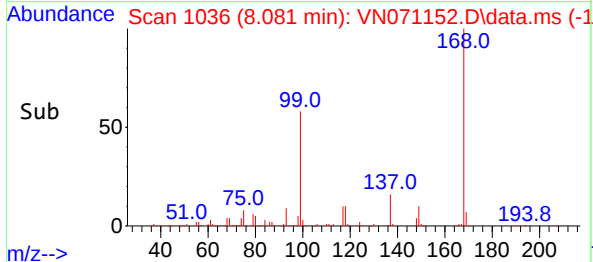
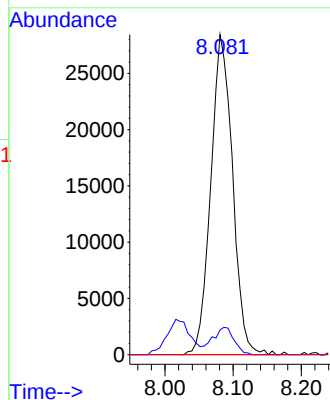
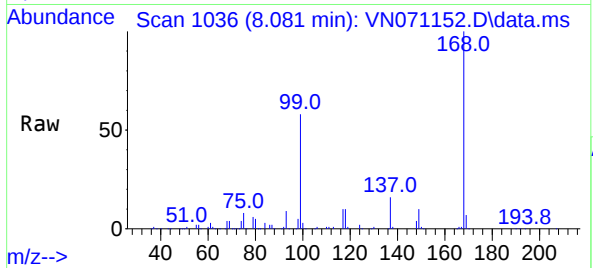




#36
1,1-Dichloropropene
Concen: 4.982 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

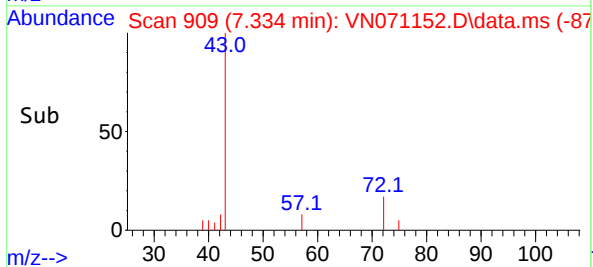
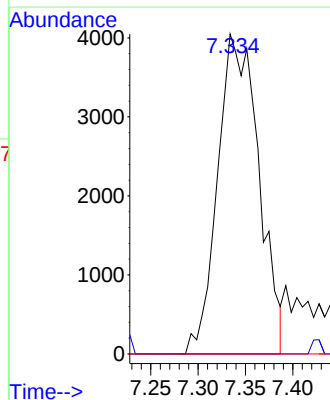
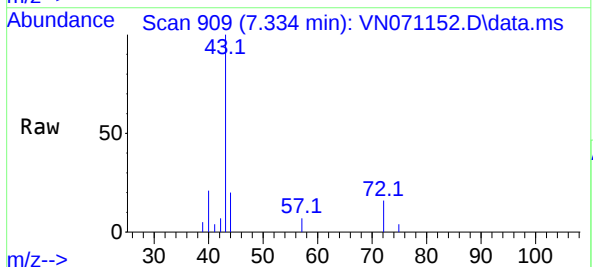
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#03

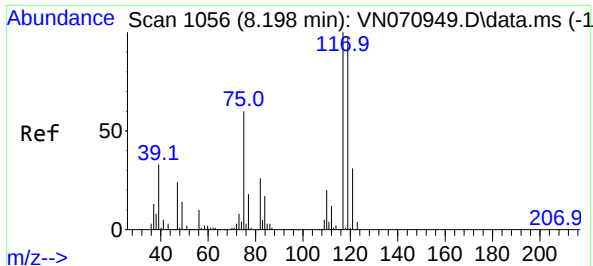
Tgt Ion: 75 Resp: 63200
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.897 ug/l
RT: 7.334 min Scan# 909
Delta R.T. -0.070 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

Tgt Ion: 43 Resp: 12205
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#

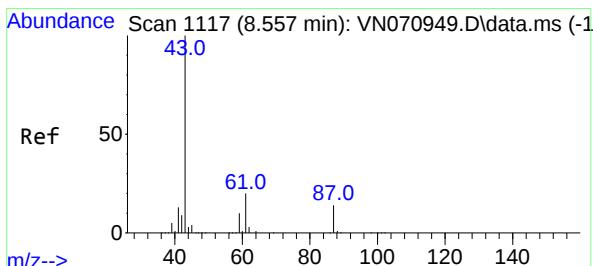
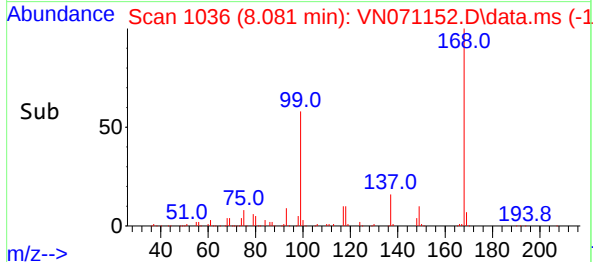
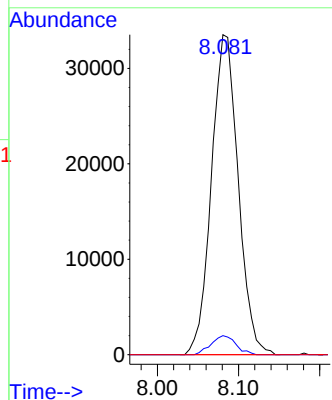
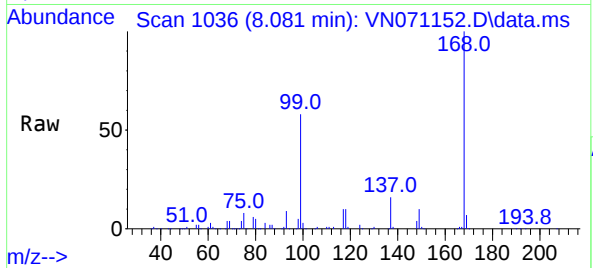




#38
Carbon Tetrachloride
Concen: 6.143 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.118 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

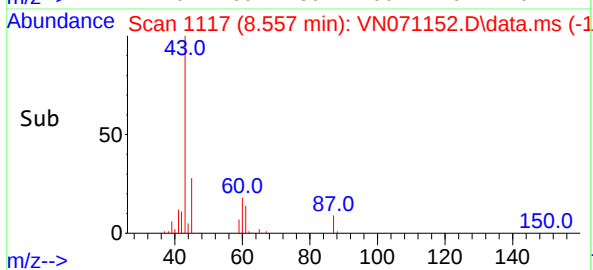
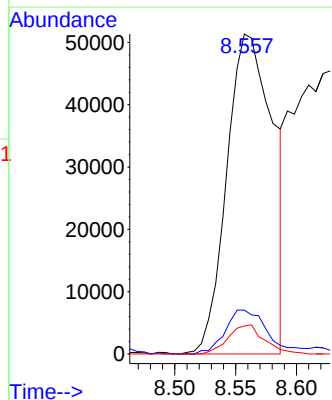
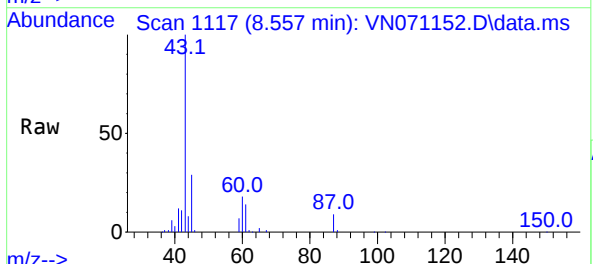
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#03

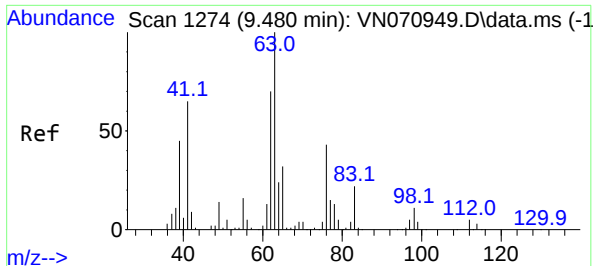
Tgt Ion:117 Resp: 76783
Ion Ratio Lower Upper
117 100
119 6.0 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 6.314 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

Tgt Ion: 43 Resp: 135416
Ion Ratio Lower Upper
43 100
61 12.7 20.4 30.6#
87 7.1 11.2 16.8#

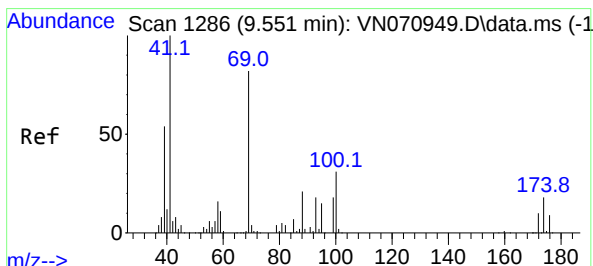
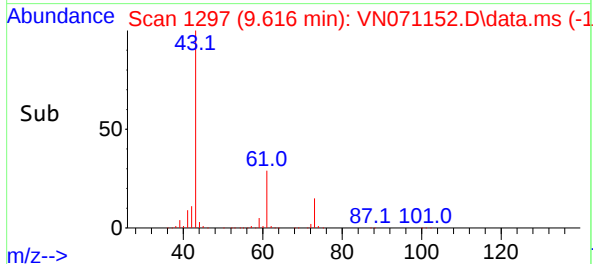
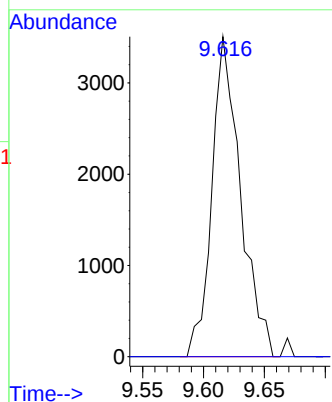
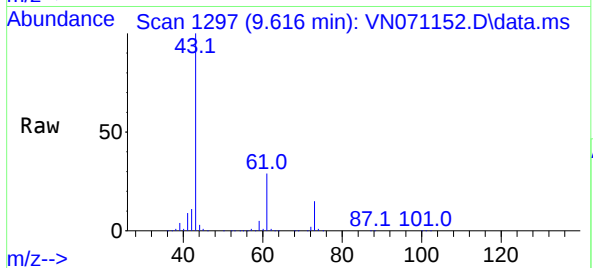




#45
1,2-Dichloropropane
Concen: 0.597 ug/l
RT: 9.616 min Scan# 11
Delta R.T. 0.135 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

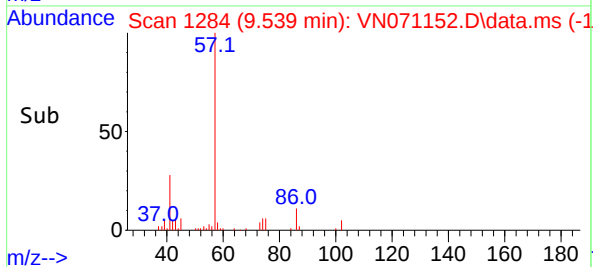
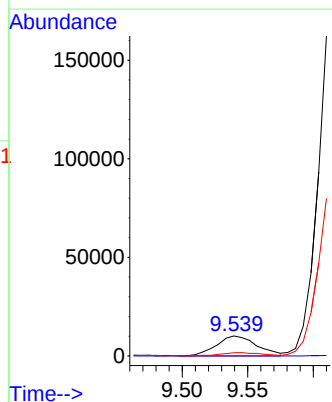
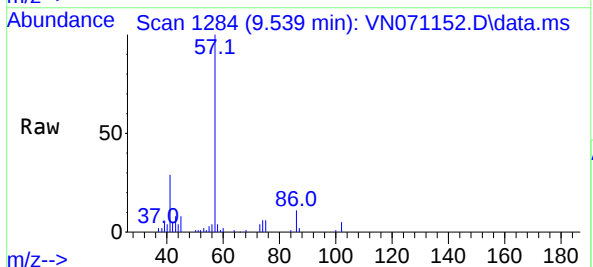
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#03

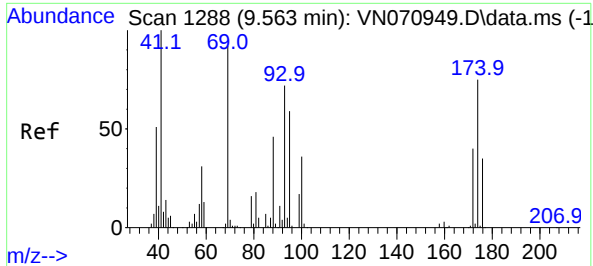
Tgt Ion: 63 Resp: 5739
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#



#48
Methyl methacrylate
Concen: 2.141 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

Tgt Ion: 41 Resp: 21731
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#

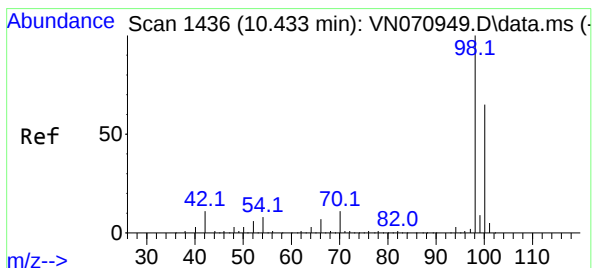
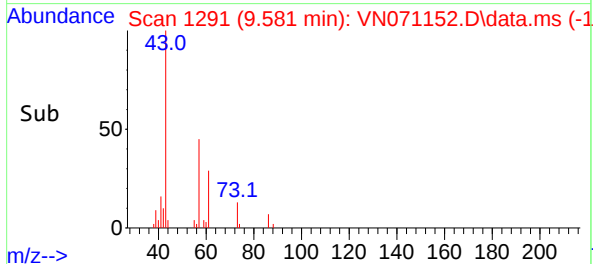
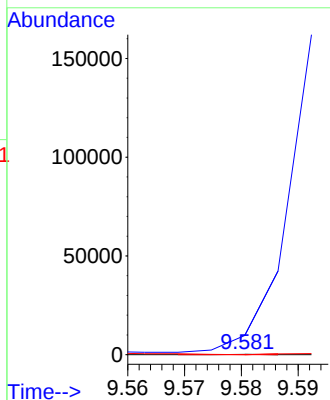
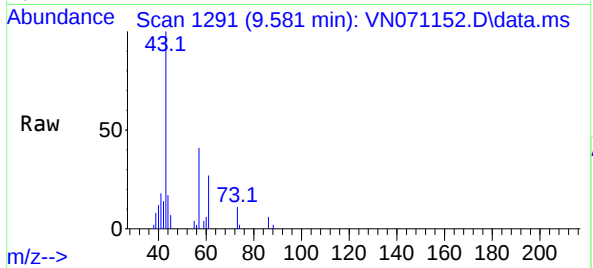




#49
1,4-Dioxane
Concen: 0.338 ug/l
RT: 9.581 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

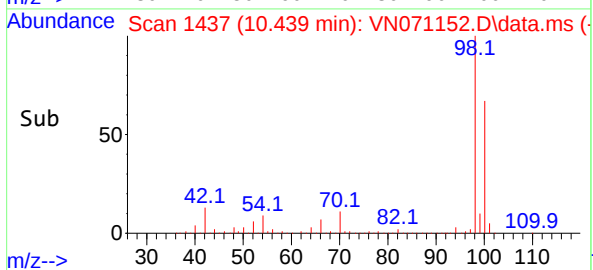
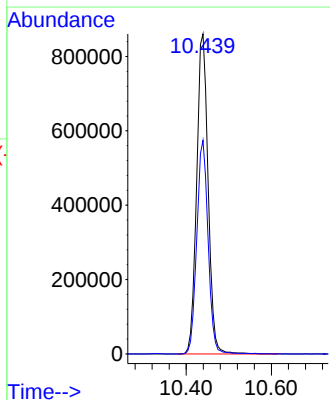
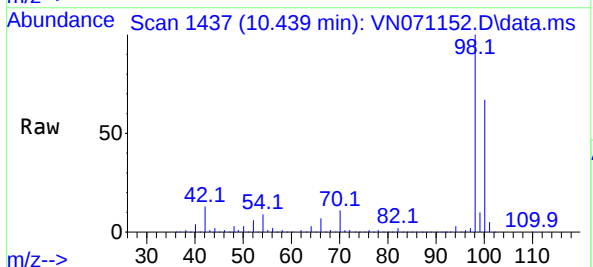
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#03

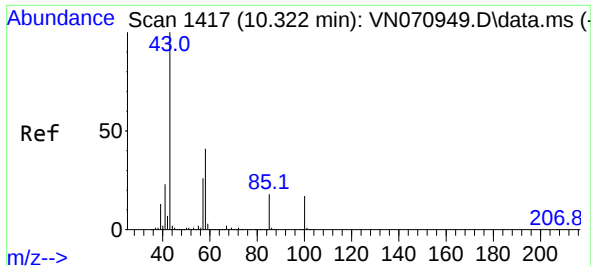
Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 51.541 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

Tgt Ion: 98 Resp: 1602799
Ion Ratio Lower Upper
98 100
100 65.8 50.4 75.6

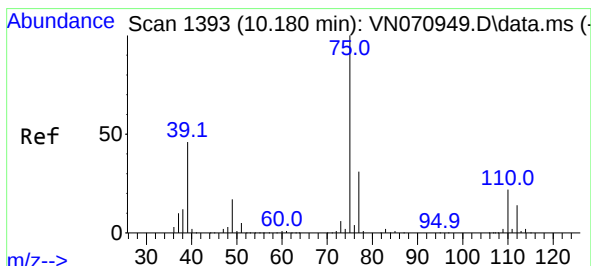
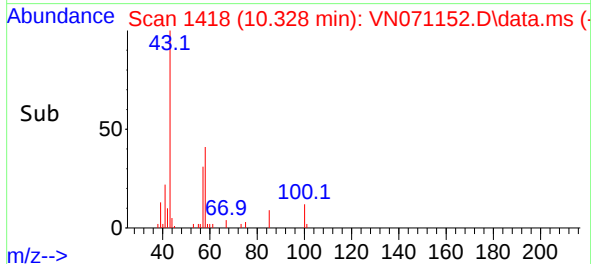
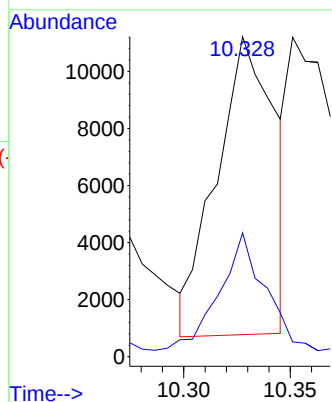
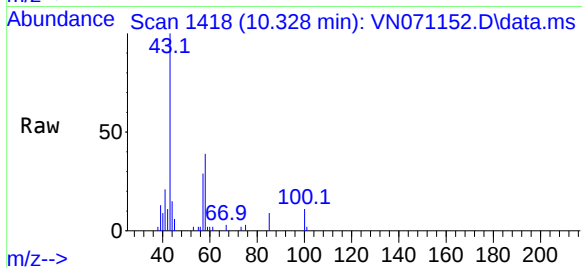




#51
4-Methyl-2-Pentanone
Concen: 1.508 ug/l
RT: 10.328 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

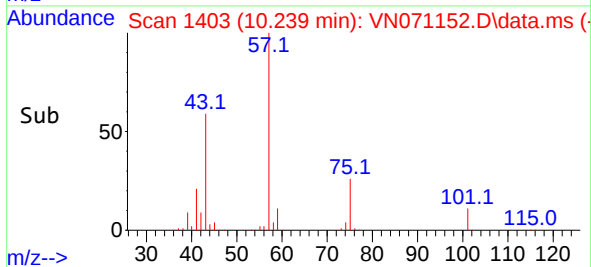
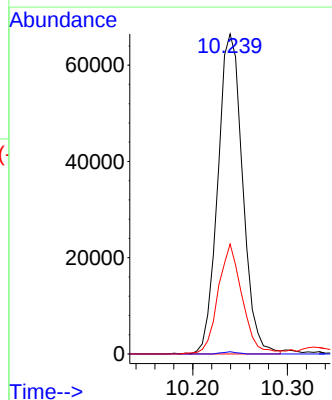
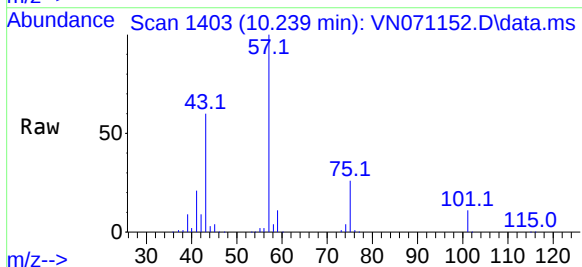
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#03

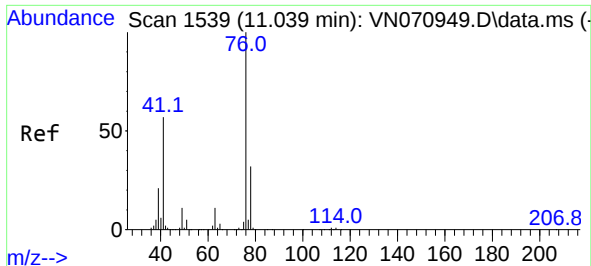
Tgt Ion: 43 Resp: 19677
Ion Ratio Lower Upper
43 100
58 37.4 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 7.920 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.059 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

Tgt Ion: 75 Resp: 120920
Ion Ratio Lower Upper
75 100
77 0.7 26.4 39.6#
39 34.3 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 4.574 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071152.D

Acq: 03 Mar 2022 14:46

Instrument :

MSVOA_N

ClientSampleId :

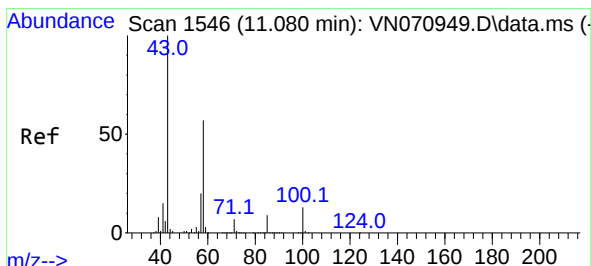
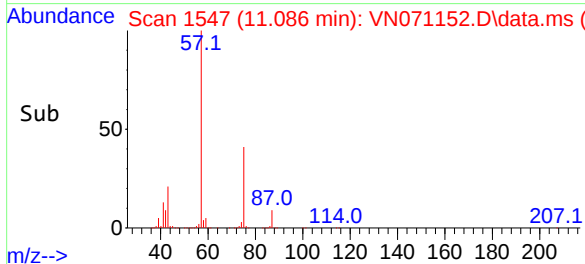
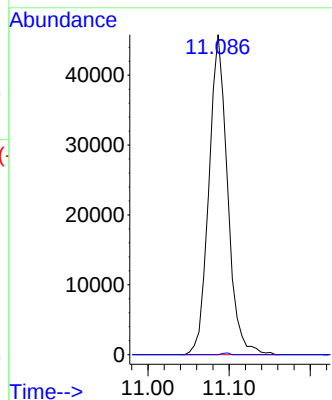
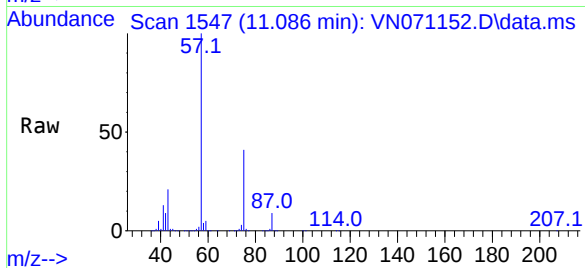
PB143059ZHE#03

Tgt Ion: 76 Resp: 73031

Ion Ratio Lower Upper

76 100

78 0.2 25.7 38.5#



#59

2-Hexanone

Concen: 128.911 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071152.D

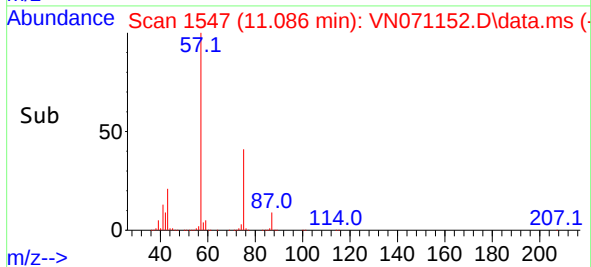
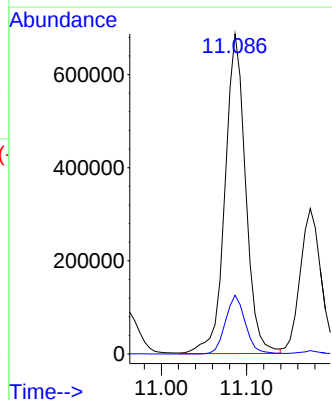
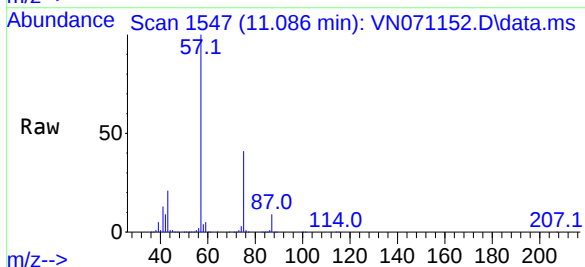
Acq: 03 Mar 2022 14:46

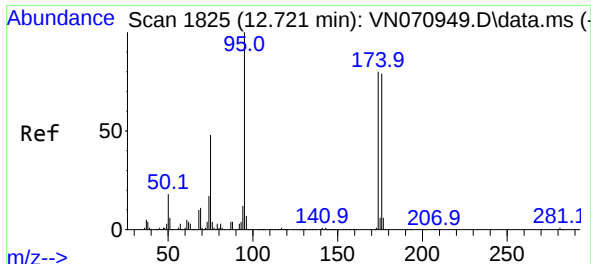
Tgt Ion: 43 Resp: 1156838

Ion Ratio Lower Upper

43 100

58 17.7 26.9 80.7#

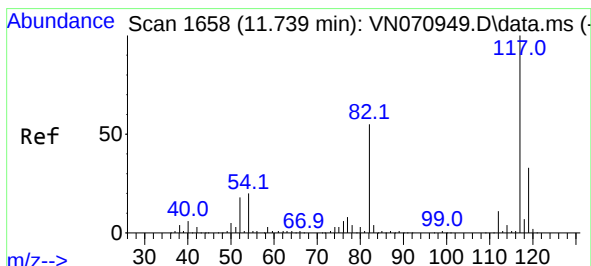
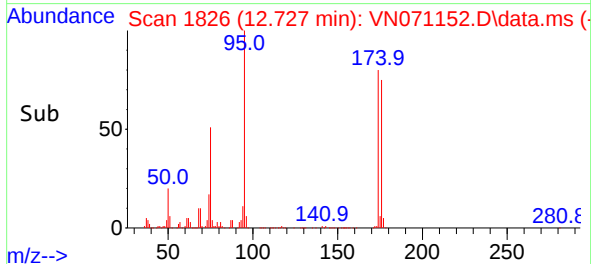
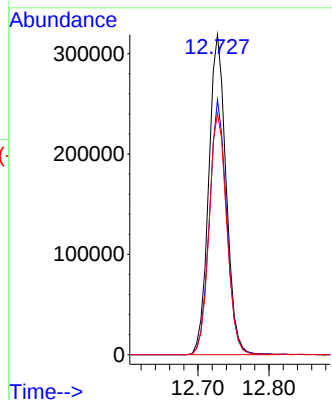
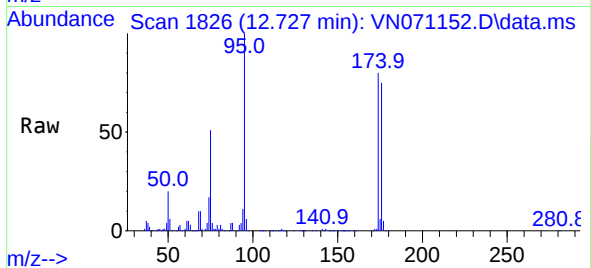




#62
4-Bromofluorobenzene
Concen: 48.811 ug/l
RT: 12.727 min Scan# 1825
Delta R.T. 0.006 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

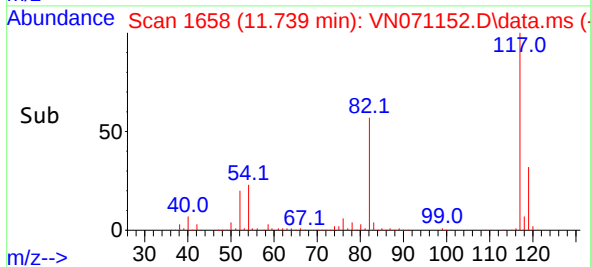
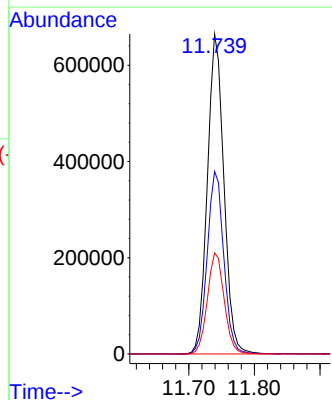
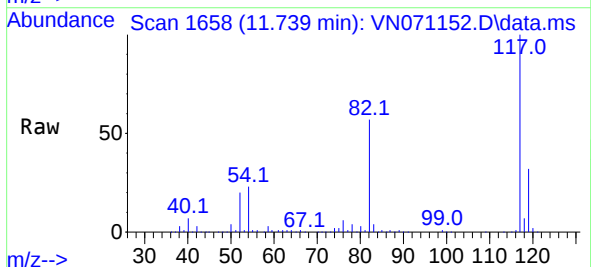
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#03

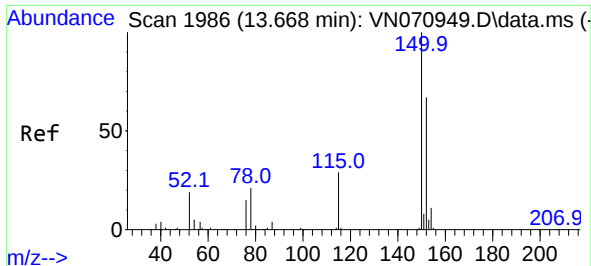
Tgt Ion: 95 Resp: 542561
Ion Ratio Lower Upper
95 100
174 78.7 0.0 187.2
176 76.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

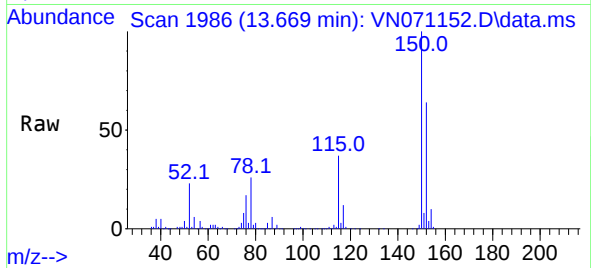
Tgt Ion: 117 Resp: 1166156
Ion Ratio Lower Upper
117 100
82 57.1 42.4 63.6
119 31.6 25.4 38.2



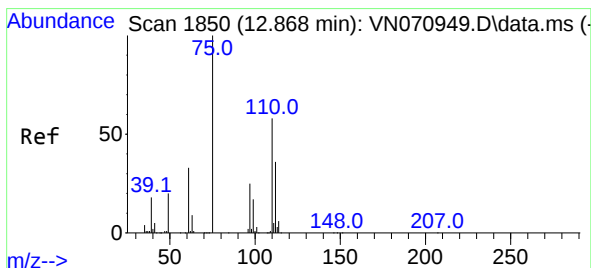
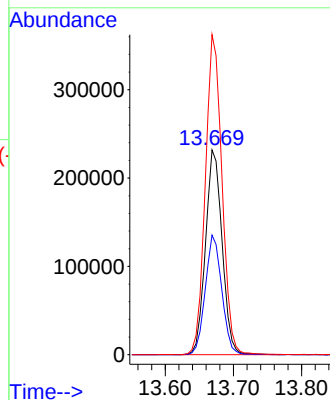
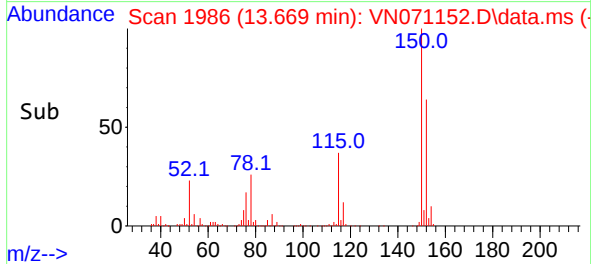


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#03

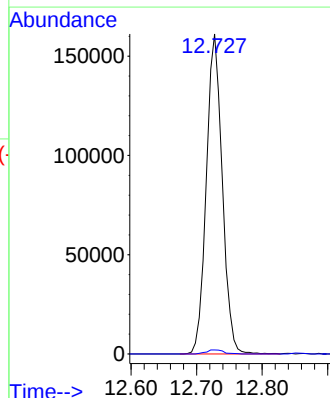
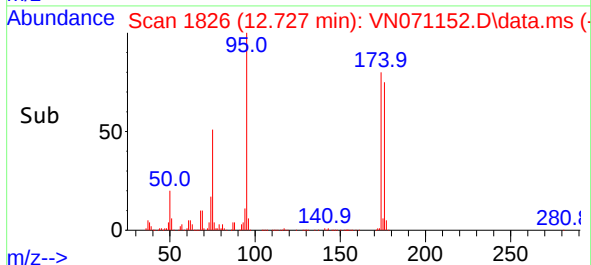
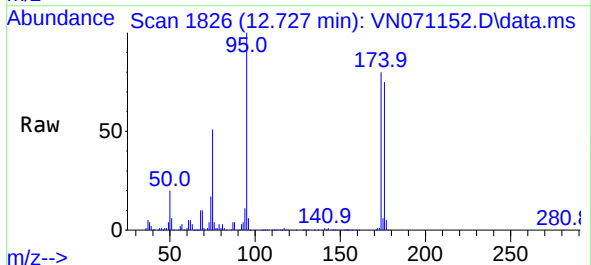


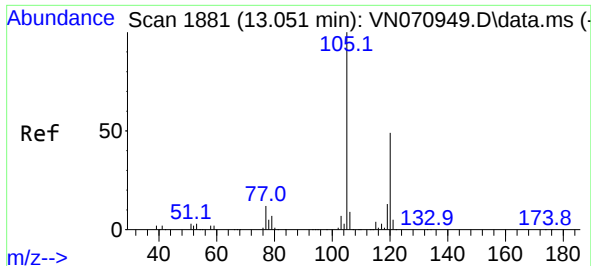
Tgt Ion:152 Resp: 393667
Ion Ratio Lower Upper
152 100
115 58.1 27.5 82.5
150 156.6 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 29.409 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

Tgt Ion: 75 Resp: 272590
Ion Ratio Lower Upper
75 100
77 1.4 82.6 247.8#

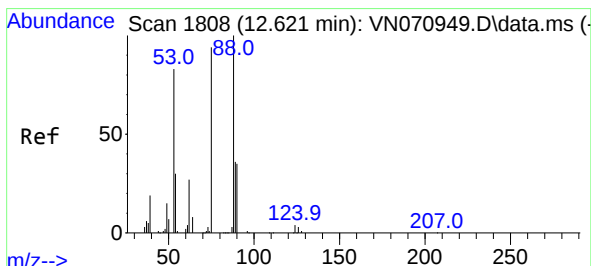
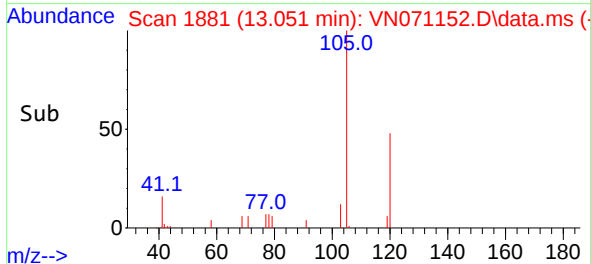
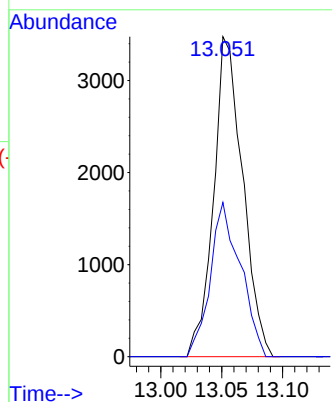
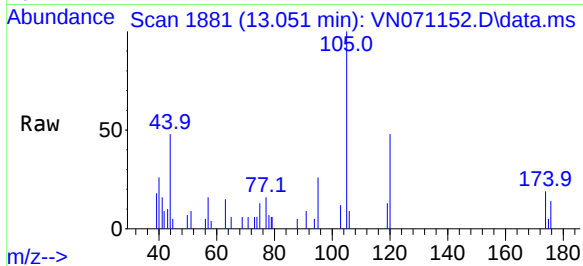




#80
1,3,5-Trimethylbenzene
Concen: 0.225 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. 0.000 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

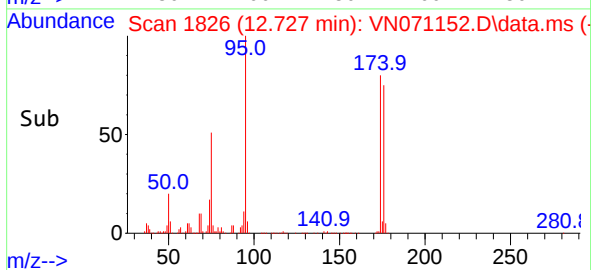
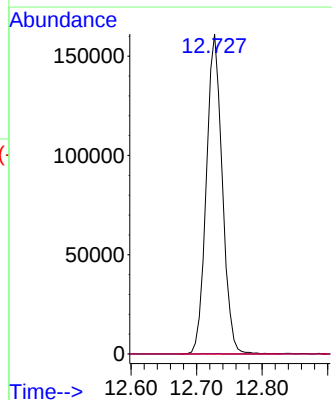
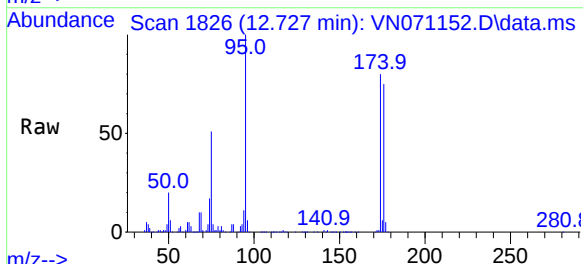
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#03

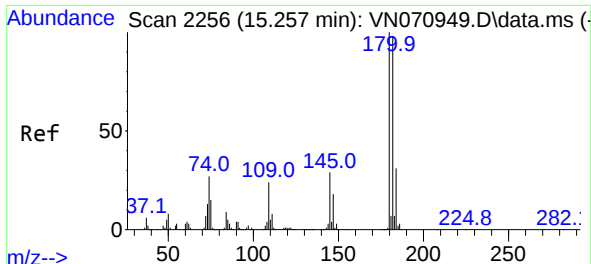
Tgt Ion:105 Resp: 5769
Ion Ratio Lower Upper
105 100
120 50.0 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 95.299 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

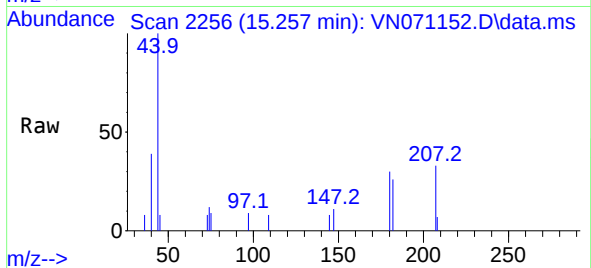
Tgt Ion: 75 Resp: 272590
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



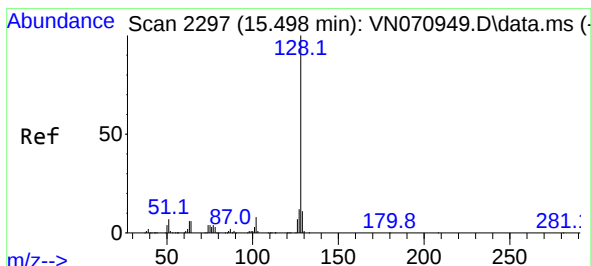
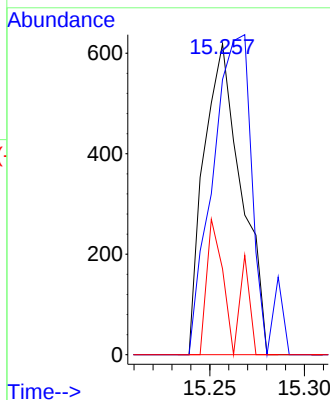
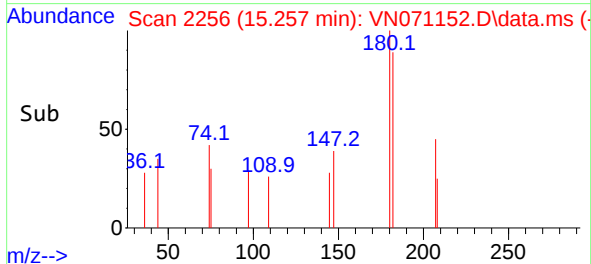


#93
1,2,4-Trichlorobenzene
Concen: 2.112 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46

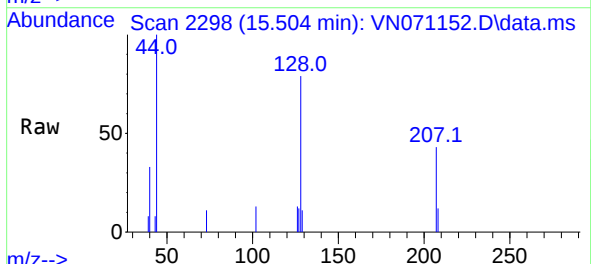
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#03



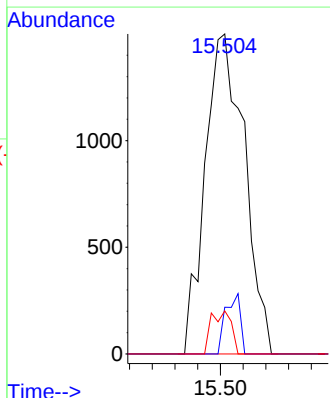
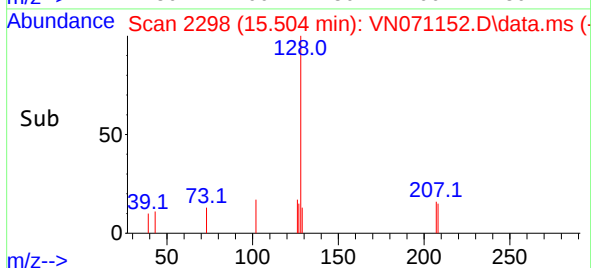
Tgt Ion:180 Resp: 852
Ion Ratio Lower Upper
180 100
182 111.6 48.3 144.9
145 18.3 14.5 43.5

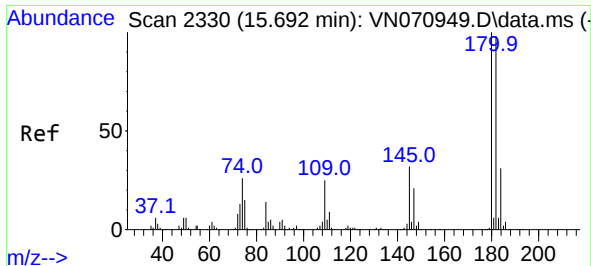


#95
Naphthalene
Concen: 5.174 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071152.D
Acq: 03 Mar 2022 14:46



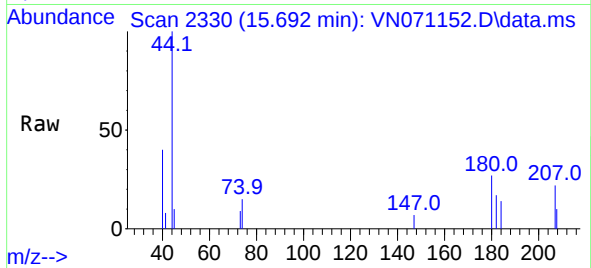
Tgt Ion:128 Resp: 3606
Ion Ratio Lower Upper
128 100
127 7.0 10.5 15.7#
129 6.8 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.665 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071152.D
 Acq: 03 Mar 2022 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143059ZHE#03



Tgt Ion:	180	Resp:	1047
Ion	Ratio	Lower	Upper
180	100		
182	84.6	47.4	142.2
145	19.1	15.0	45.1

