

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030322\
 Data File : VN071153.D
 Acq On : 03 Mar 2022 15:10
 Operator : JC\MD
 Sample : PB143059ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143059ZHE#04

Quant Time: Mar 04 01:14:12 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)

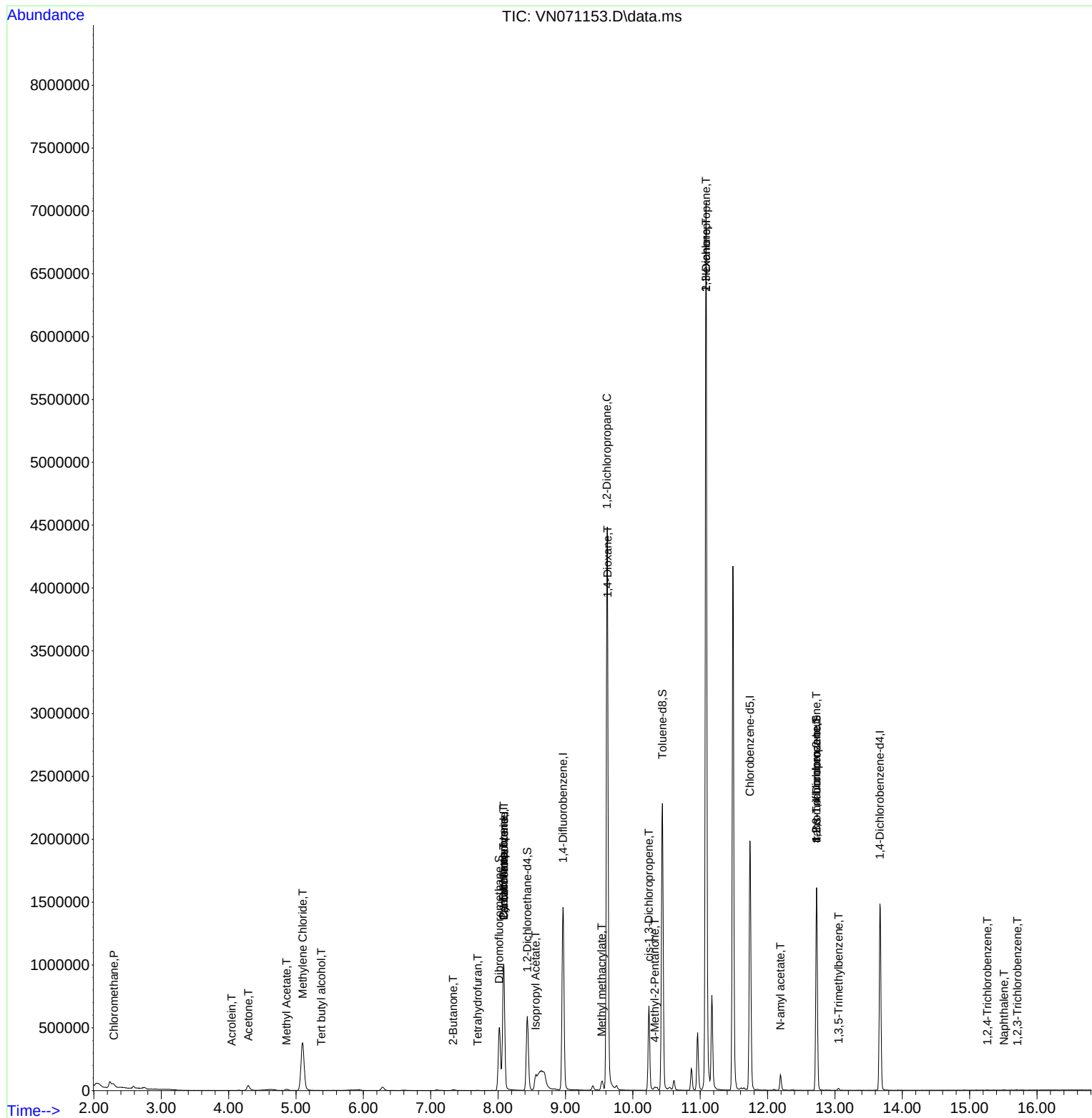
Internal Standards						
1) Pentafluorobenzene	8.086	168	797576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1297885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1168084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	414522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	487714	53.531	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.060%			
35) Dibromofluoromethane	8.016	113	372491	48.251	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.500%			
50) Toluene-d8	10.439	98	1589477	51.270	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.540%			
62) 4-Bromofluorobenzene	12.727	95	548596	49.505	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.020%			
Target Compounds						Qvalue
3) Chloromethane	2.298	50	3699	0.355	ug/l #	74
11) Tert butyl alcohol	5.375	59	534	0.322	ug/l #	71
13) Acrolein	4.045	56	483	0.326	ug/l #	64
16) Acetone	4.292	43	72478	14.445	ug/l	99
18) Methyl Acetate	4.857	43	23602	1.565	ug/l #	71
20) Methylene Chloride	5.098	84	305352	33.486	ug/l	90
25) 2-Butanone	7.333	43	12434	1.863	ug/l #	84
29) Tetrahydrofuran	7.698	42	1334	0.309	ug/l #	50
31) Cyclohexane	8.080	56	16475	1.046	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	60746	4.803	ug/l #	48
38) Carbon Tetrachloride	8.086	117	76434	6.133	ug/l #	17
43) Isopropyl Acetate	8.557	43	149612	6.998	ug/l #	75
45) 1,2-Dichloropropane	9.616	63	5455	0.569	ug/l #	44
48) Methyl methacrylate	9.539	41	21031	2.078	ug/l #	8
49) 1,4-Dioxane	9.627	88	609	3.388	ug/l #	1
51) 4-Methyl-2-Pentanone	10.327	43	16602	1.276	ug/l	94
54) cis-1,3-Dichloropropene	10.239	75	120327	7.906	ug/l #	58
57) 1,3-Dichloropropane	11.086	76	74096	4.655	ug/l #	43
59) 2-Hexanone	11.086	43	1139405	127.358	ug/l #	49
74) N-amyl acetate	12.192	43	40028	3.753	ug/l #	54
76) 1,2,3-Trichloropropane	12.727	75	279620	28.650	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	5900	0.218	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.727	75	279620	92.838	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	672	2.083	ug/l #	37
95) Naphthalene	15.509	128	3174	5.144	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.709	180	862	2.632	ug/l #	55

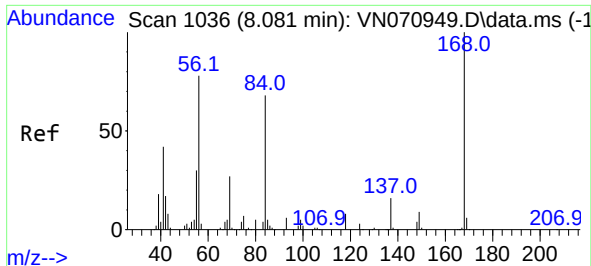
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030322\
Data File : VN071153.D
Acq On : 03 Mar 2022 15:10
Operator : JC\MD
Sample : PB143059ZHE#04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#04

Quant Time: Mar 04 01:14:12 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

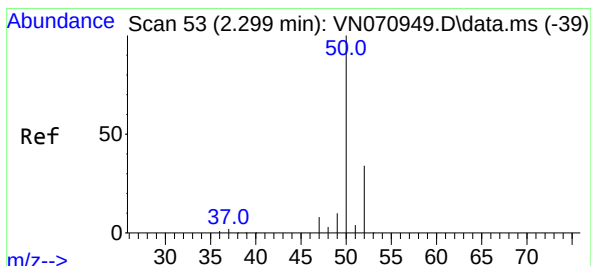
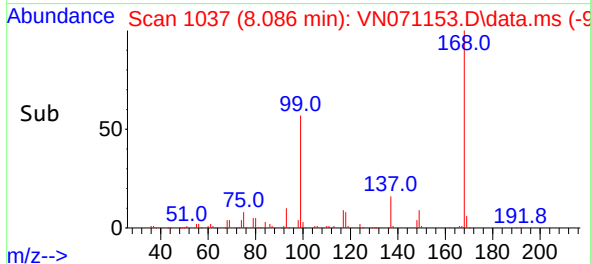
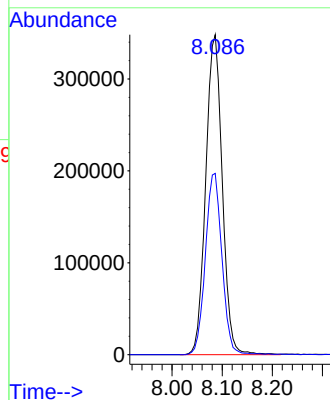
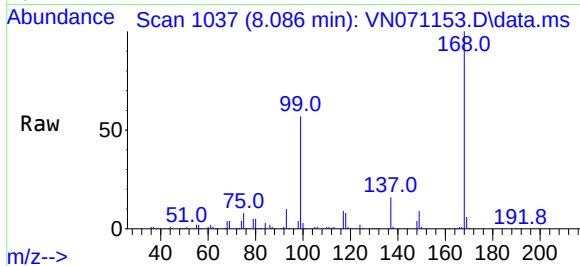




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

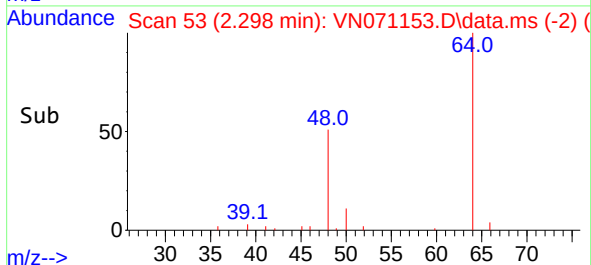
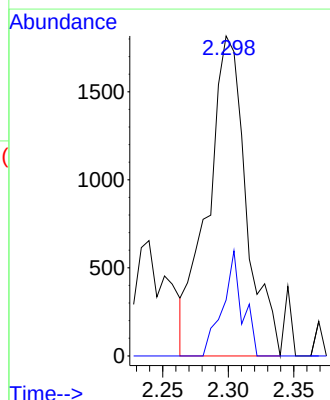
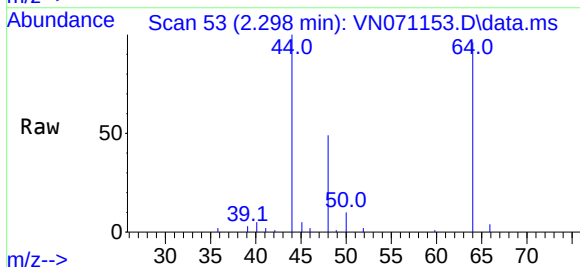
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#04

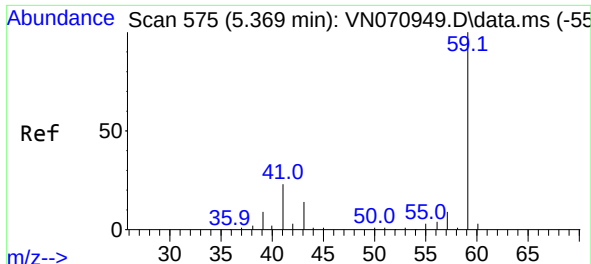
Tgt Ion:168 Resp: 797576
Ion Ratio Lower Upper
168 100
99 56.7 41.3 61.9



#3
Chloromethane
Concen: 0.355 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

Tgt Ion: 50 Resp: 3699
Ion Ratio Lower Upper
50 100
52 17.5 25.4 38.0#

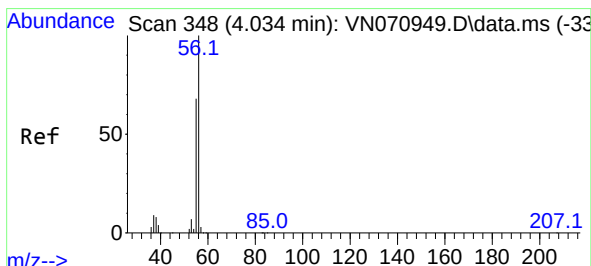
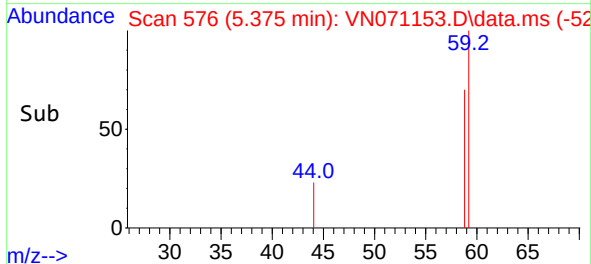
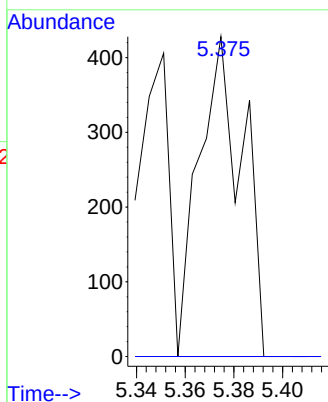
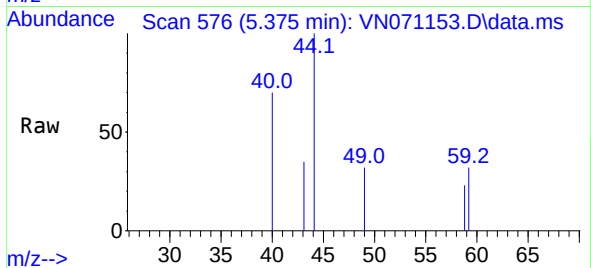




#11
Tert butyl alcohol
Concen: 0.322 ug/l
RT: 5.375 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

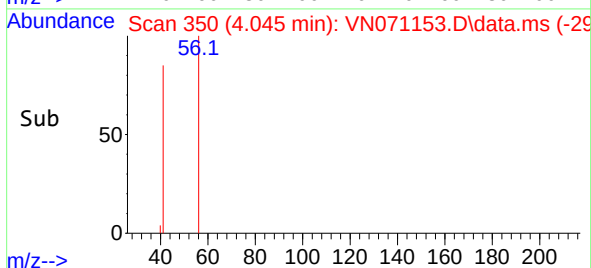
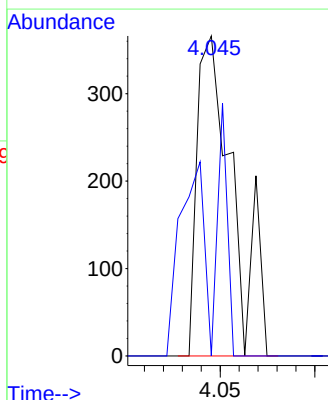
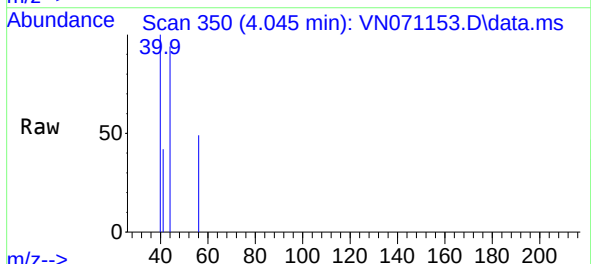
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#04

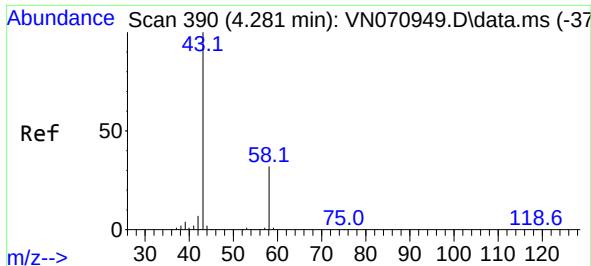
Tgt Ion: 59 Resp: 534
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.326 ug/l
RT: 4.045 min Scan# 350
Delta R.T. 0.011 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

Tgt Ion: 56 Resp: 483
Ion Ratio Lower Upper
56 100
55 41.0 56.6 85.0#

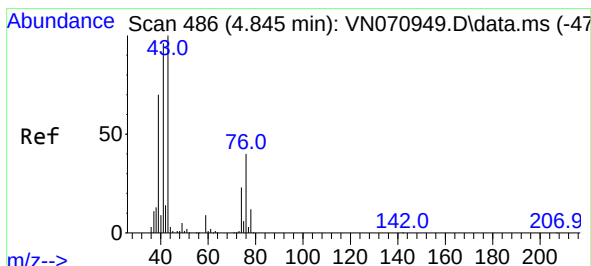
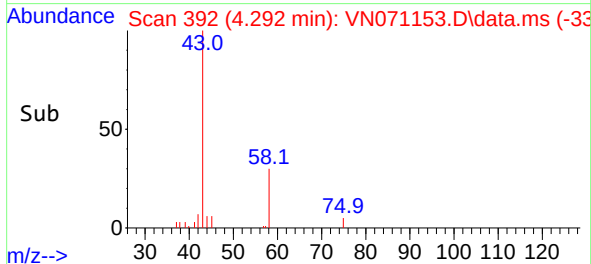
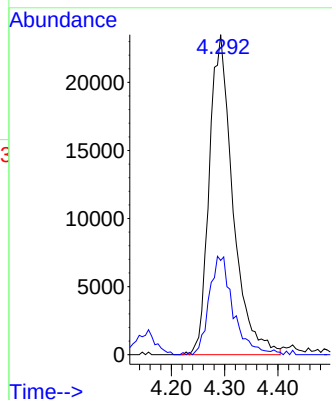
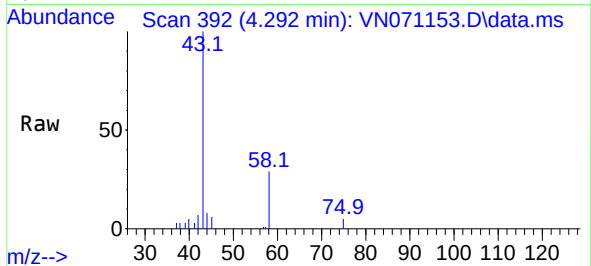




#16
Acetone
Concen: 14.445 ug/l
RT: 4.292 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

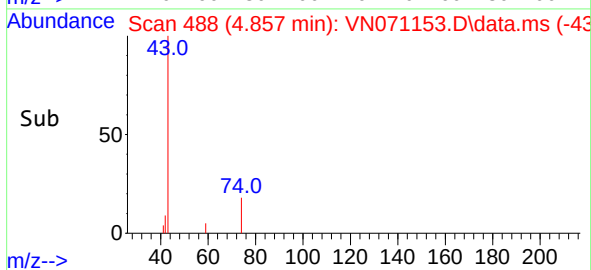
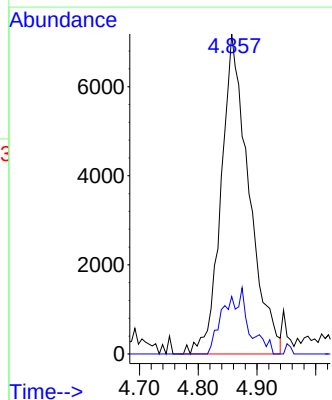
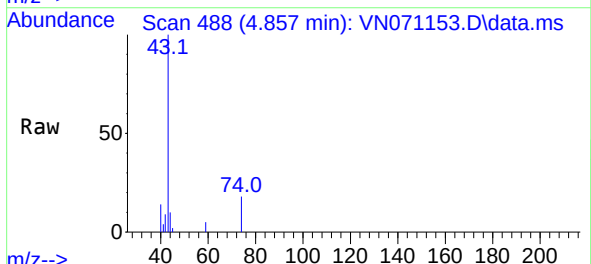
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#04

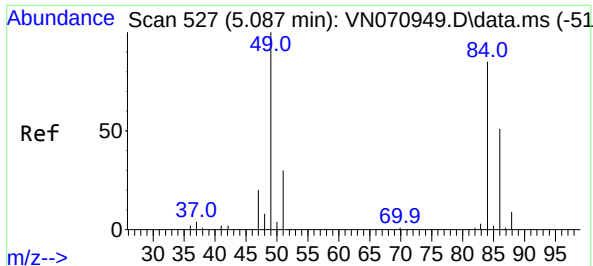
Tgt Ion: 43 Resp: 72478
Ion Ratio Lower Upper
43 100
58 29.4 23.1 34.7



#18
Methyl Acetate
Concen: 1.565 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.012 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

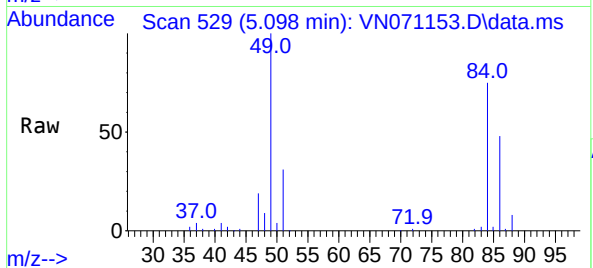
Tgt Ion: 43 Resp: 23602
Ion Ratio Lower Upper
43 100
74 9.9 19.4 29.2#





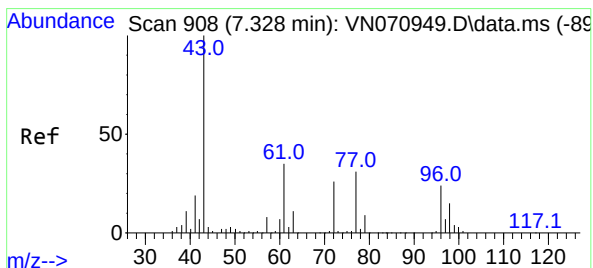
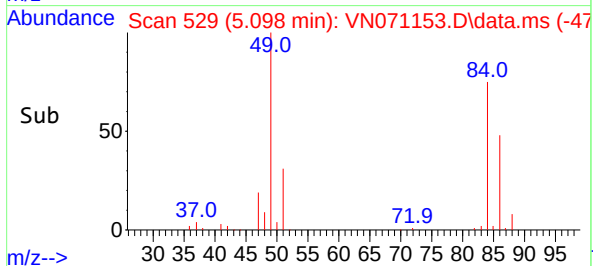
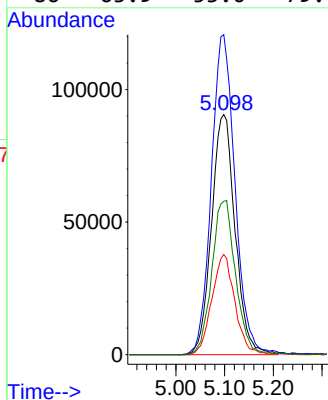
#20
Methylene Chloride
Concen: 33.486 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#04



Tgt Ion: 84 Resp: 305352

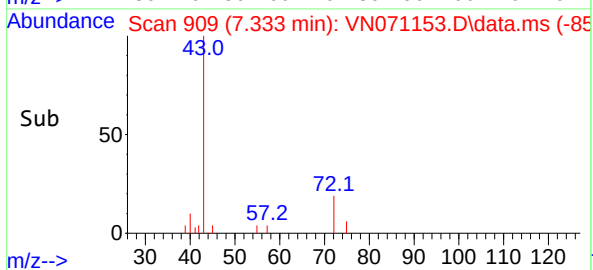
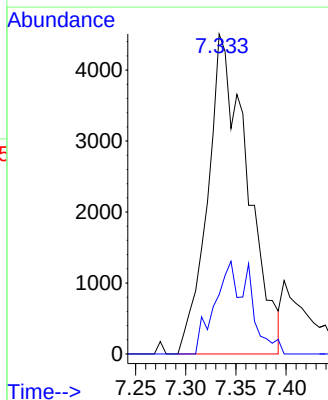
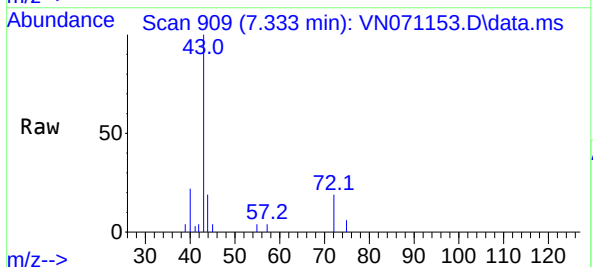
Ion	Ratio	Lower	Upper
84	100		
49	133.2	93.5	140.3
51	41.7	29.4	44.2
86	63.9	53.0	79.4

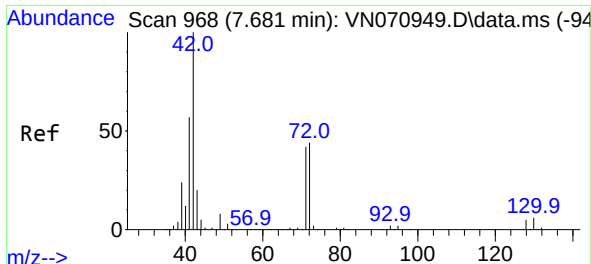


#25
2-Butanone
Concen: 1.863 ug/l
RT: 7.333 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

Tgt Ion: 43 Resp: 12434

Ion	Ratio	Lower	Upper
43	100		
72	18.6	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.309 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.017 min

Lab File: VN071153.D

Acq: 03 Mar 2022 15:10

Instrument :

MSVOA_N

ClientSampleId :

PB143059ZHE#04

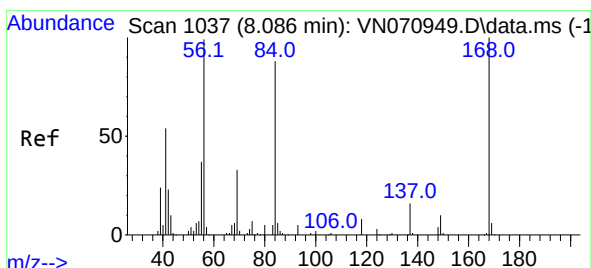
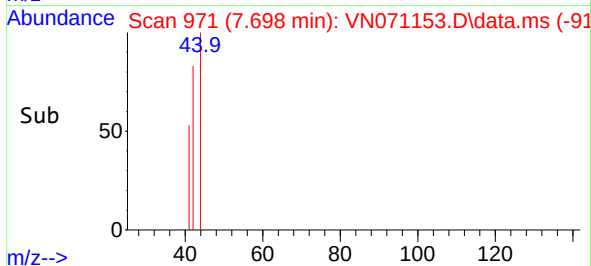
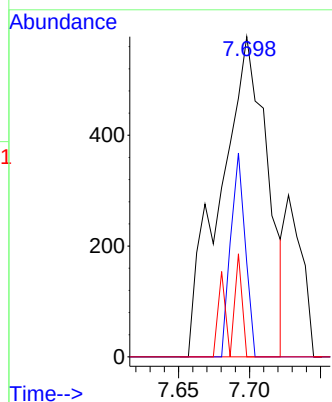
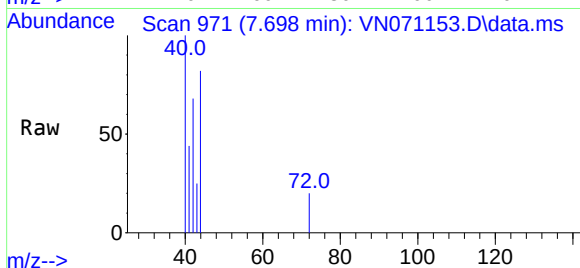
Tgt Ion: 42 Resp: 1334

Ion Ratio Lower Upper

42 100

72 19.7 36.3 54.5#

71 4.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.046 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN071153.D

Acq: 03 Mar 2022 15:10

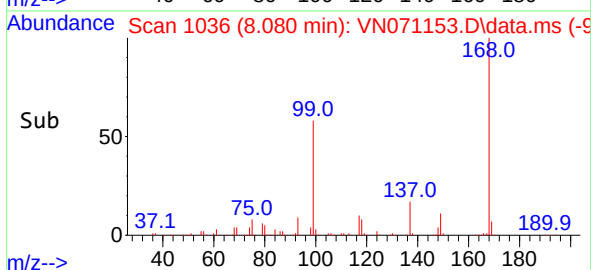
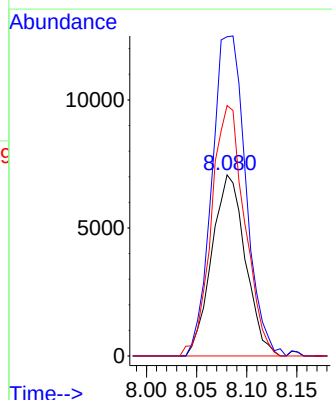
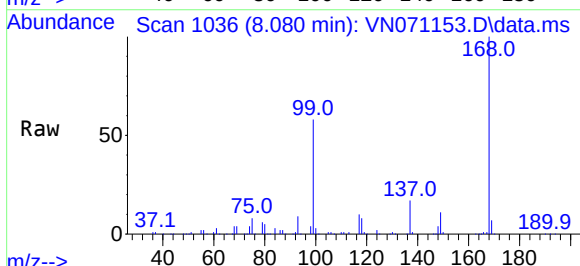
Tgt Ion: 56 Resp: 16475

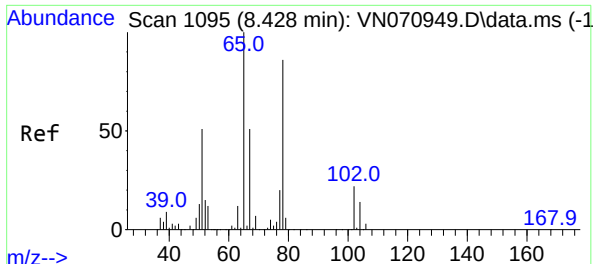
Ion Ratio Lower Upper

56 100

69 176.3 27.1 40.7#

84 138.3 73.4 110.0#

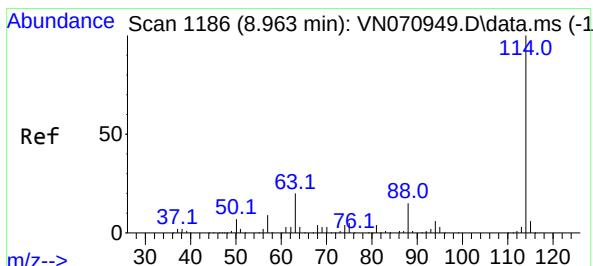
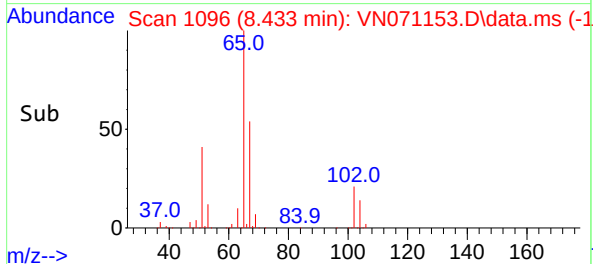
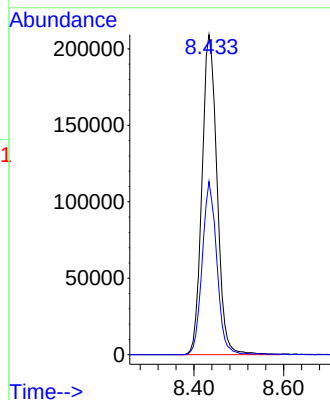
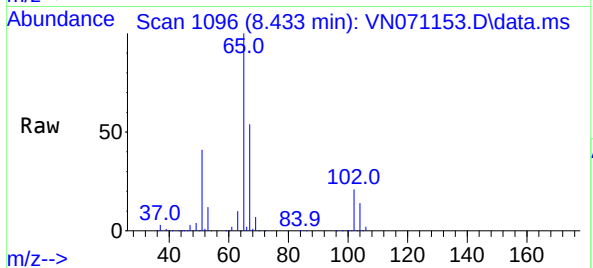




#33
1,2-Dichloroethane-d4
Concen: 53.531 ug/l
RT: 8.433 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

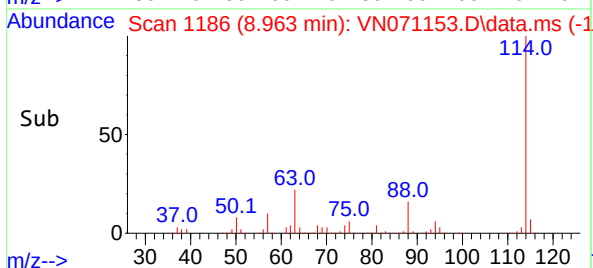
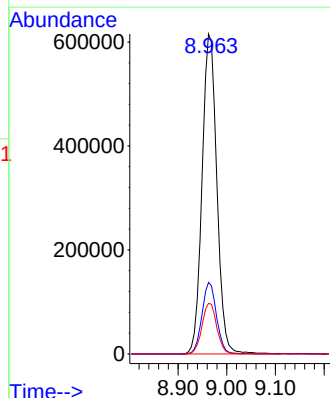
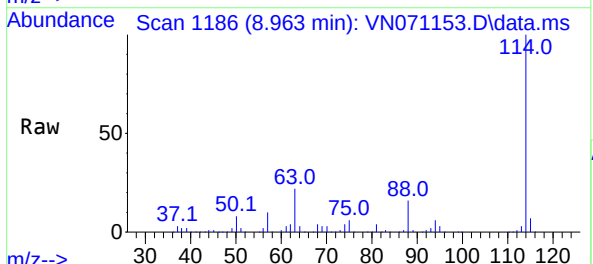
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#04

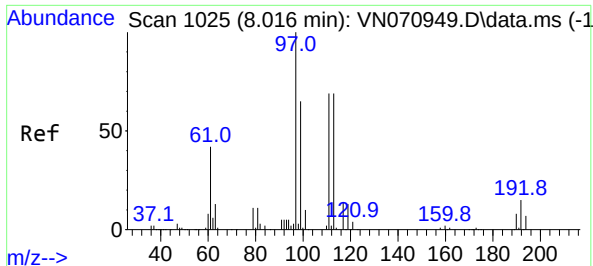
Tgt Ion: 65 Resp: 487714
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

Tgt Ion: 114 Resp: 1297885
Ion Ratio Lower Upper
114 100
63 22.4 0.0 37.8
88 15.8 0.0 27.4

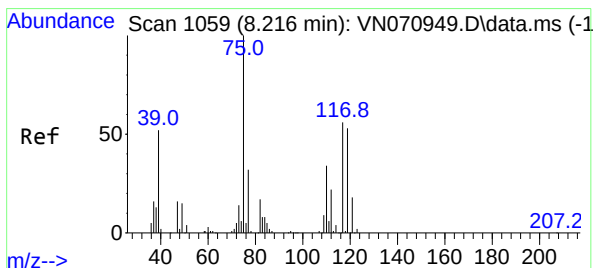
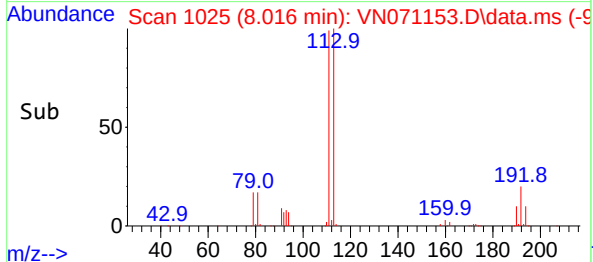
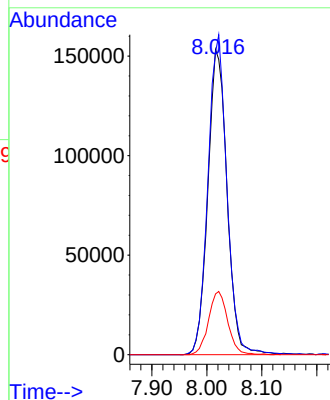
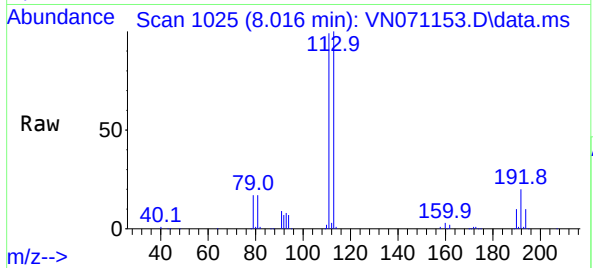




#35
Dibromofluoromethane
Concen: 48.251 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

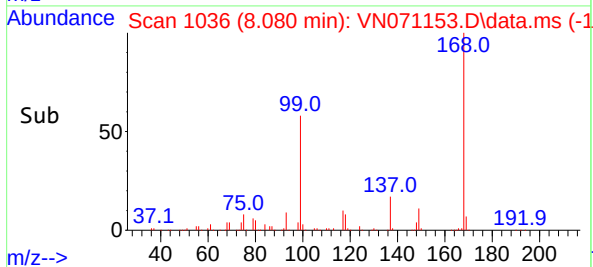
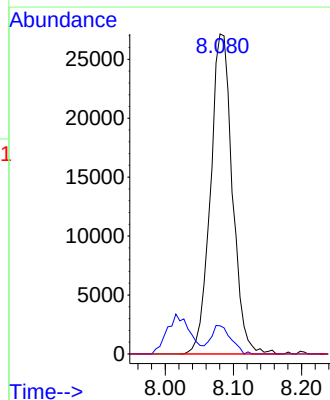
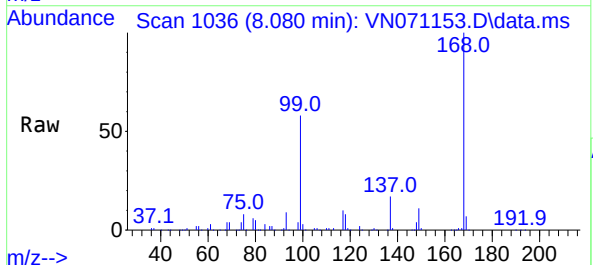
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#04

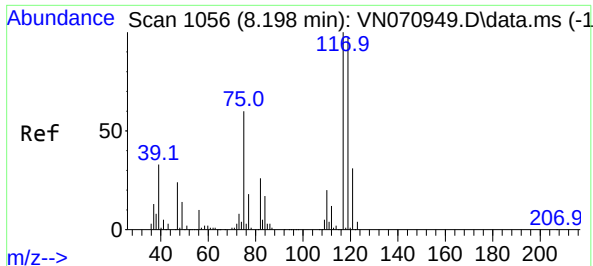
Tgt Ion:113 Resp: 372491
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 20.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.803 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.136 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

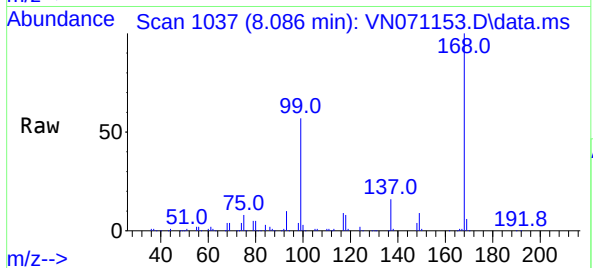
Tgt Ion: 75 Resp: 60746
Ion Ratio Lower Upper
75 100
110 8.0 18.4 55.2#
77 0.0 24.4 36.6#



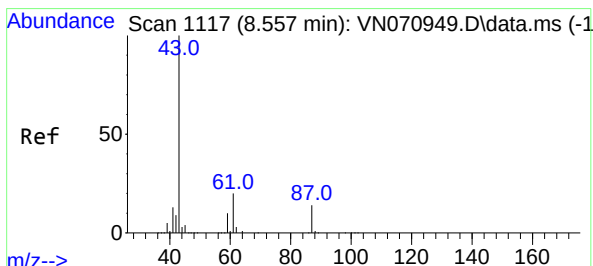
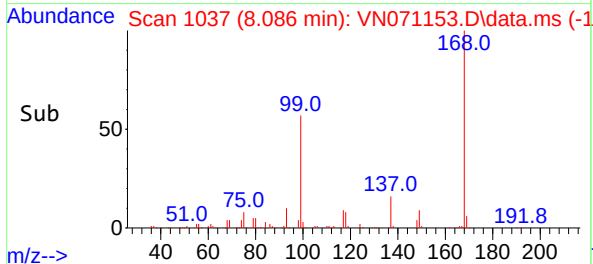
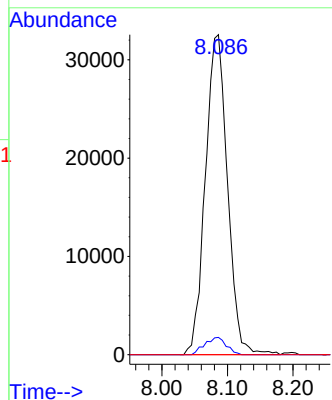


#38
Carbon Tetrachloride
Concen: 6.133 ug/l
RT: 8.086 min Scan# 1107
Delta R.T. -0.112 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#04

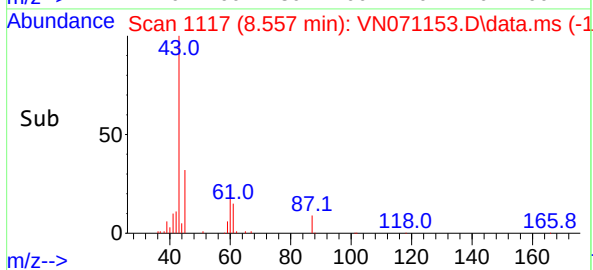
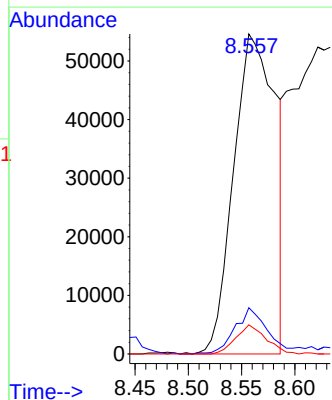
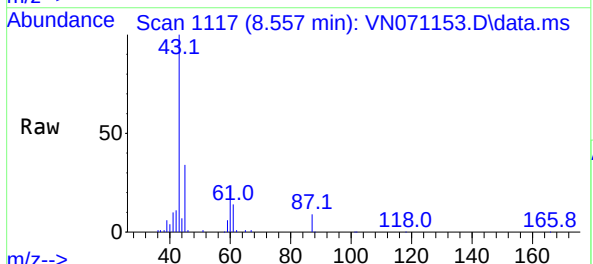


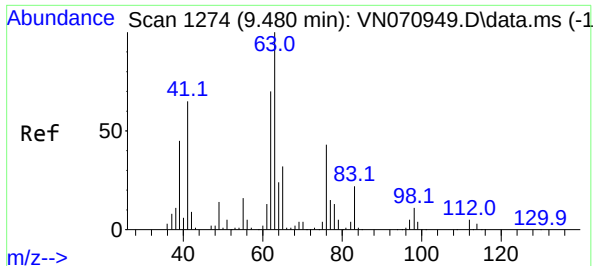
Tgt Ion:117 Resp: 76434
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 6.998 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

Tgt Ion: 43 Resp: 149612
Ion Ratio Lower Upper
43 100
61 11.1 20.4 30.6#
87 6.5 11.2 16.8#

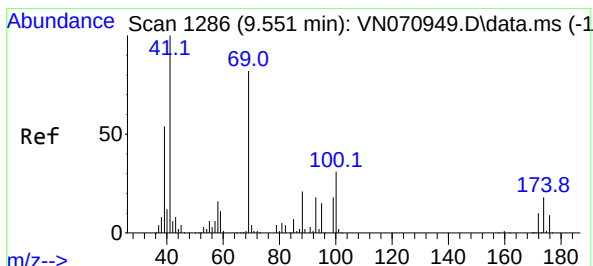
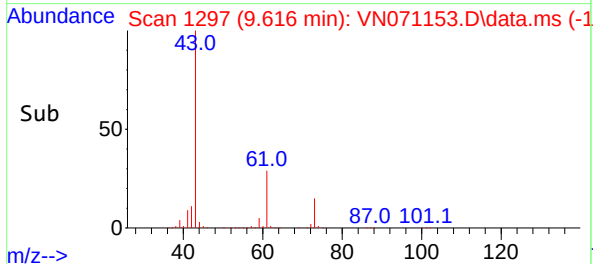
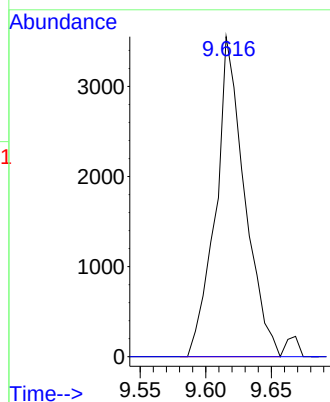
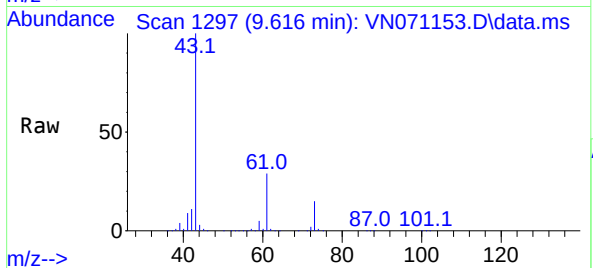




#45
1,2-Dichloropropane
Concen: 0.569 ug/l
RT: 9.616 min Scan# 11
Delta R.T. 0.135 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

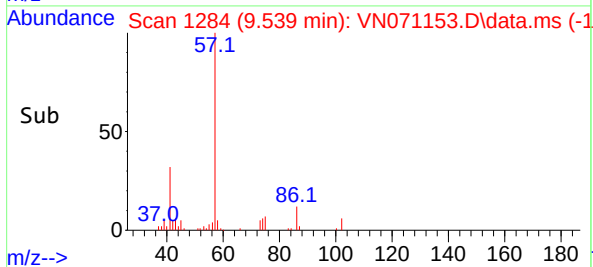
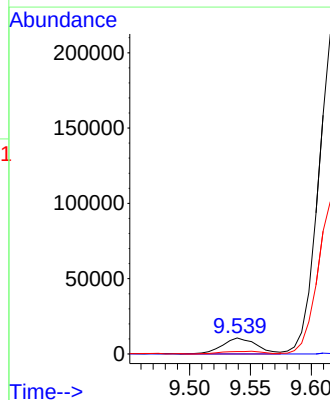
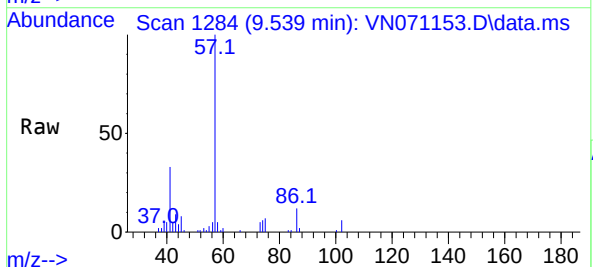
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#04

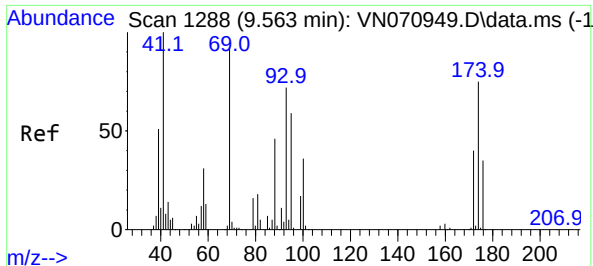
Tgt Ion: 63 Resp: 5455
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#



#48
Methyl methacrylate
Concen: 2.078 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

Tgt Ion: 41 Resp: 21031
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#

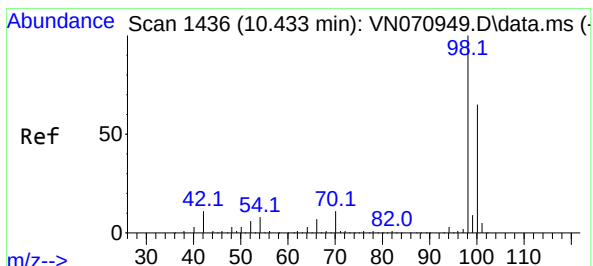
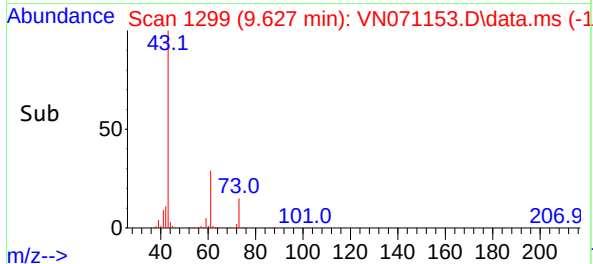
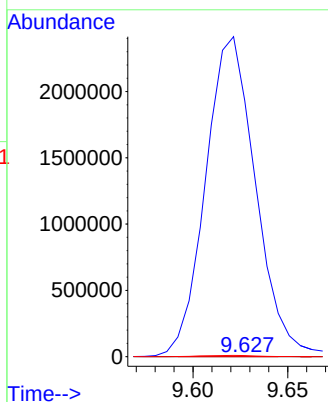
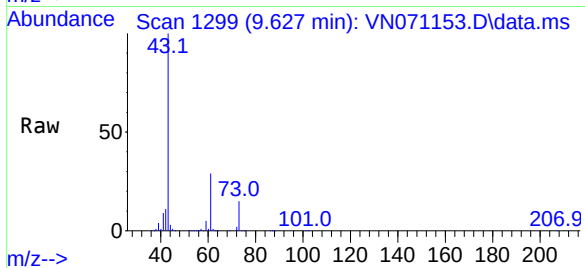




#49
1,4-Dioxane
Concen: 3.388 ug/l
RT: 9.627 min Scan# 11
Delta R.T. 0.064 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

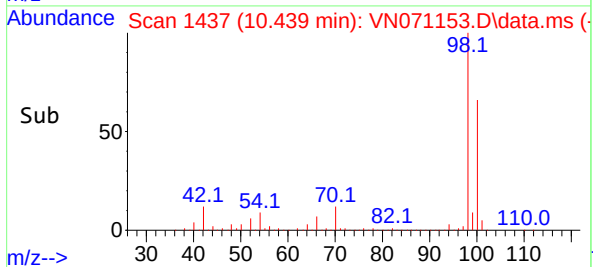
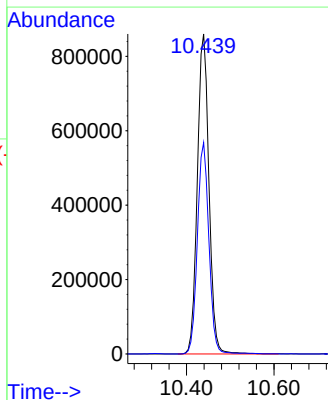
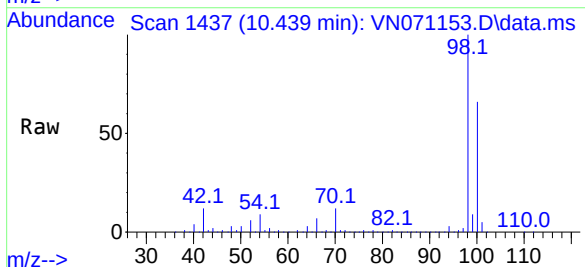
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#04

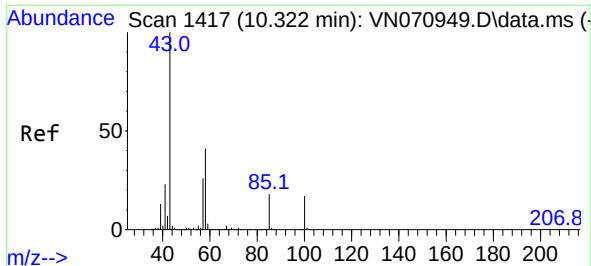
Tgt Ion: 88 Resp: 609
Ion Ratio Lower Upper
88 100
43 742557.6 23.4 35.2#
58 3192.4 50.6 75.8#



#50
Toluene-d8
Concen: 51.270 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

Tgt Ion: 98 Resp: 1589477
Ion Ratio Lower Upper
98 100
100 65.4 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 1.276 ug/l

RT: 10.327 min Scan# 1417

Delta R.T. 0.006 min

Lab File: VN071153.D

Acq: 03 Mar 2022 15:10

Instrument :

MSVOA_N

ClientSampleId :

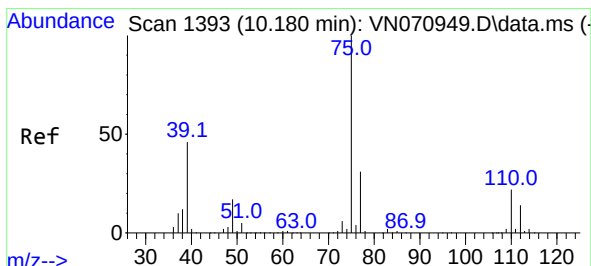
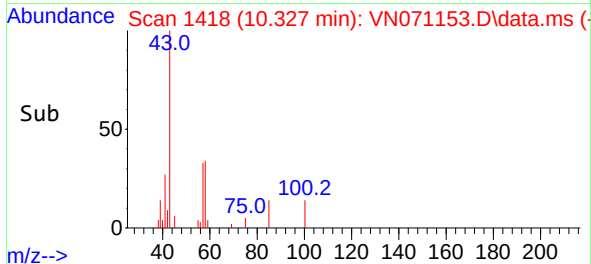
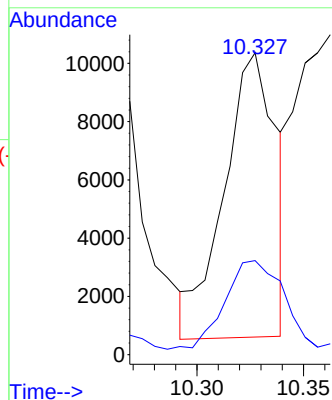
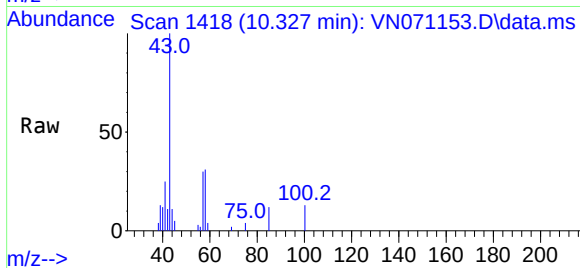
PB143059ZHE#04

Tgt Ion: 43 Resp: 16602

Ion Ratio Lower Upper

43 100

58 41.8 30.4 45.6



#54

cis-1,3-Dichloropropene

Concen: 7.906 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.059 min

Lab File: VN071153.D

Acq: 03 Mar 2022 15:10

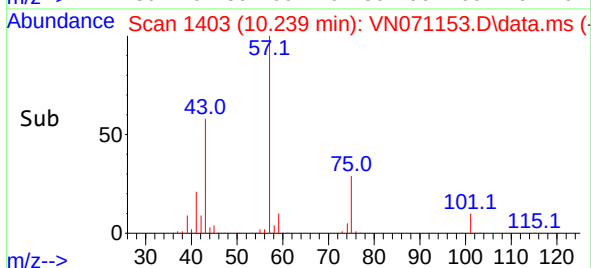
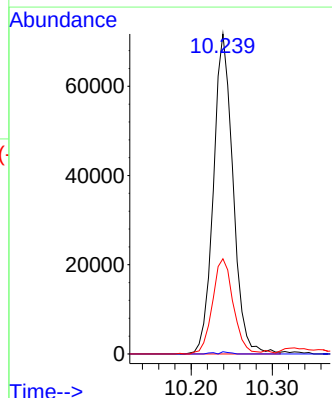
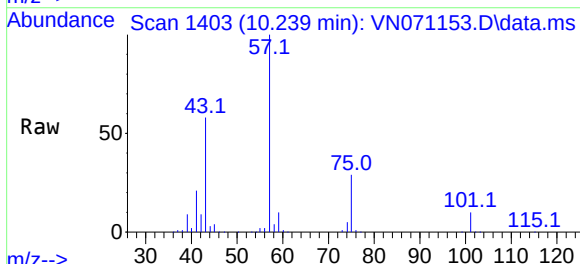
Tgt Ion: 75 Resp: 120327

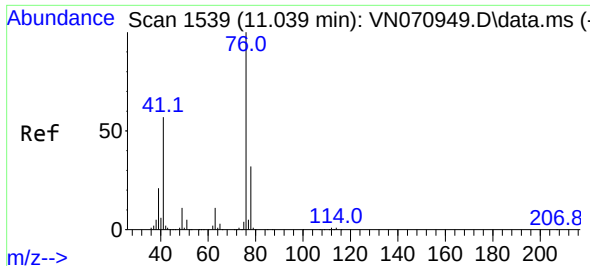
Ion Ratio Lower Upper

75 100

77 0.7 26.4 39.6#

39 29.5 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 4.655 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071153.D

Acq: 03 Mar 2022 15:10

Instrument :

MSVOA_N

ClientSampleId :

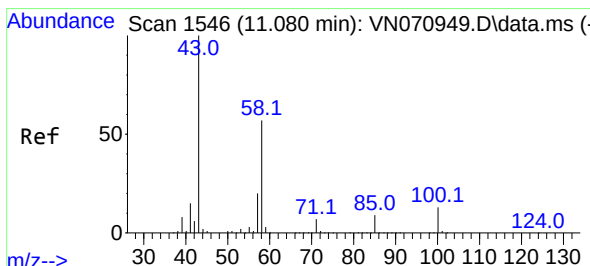
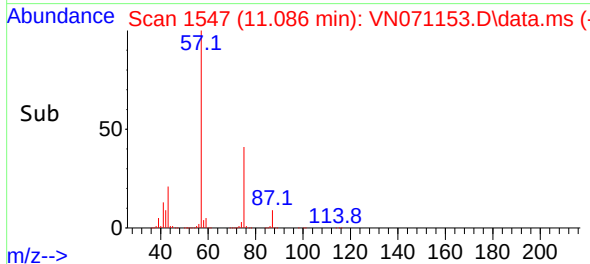
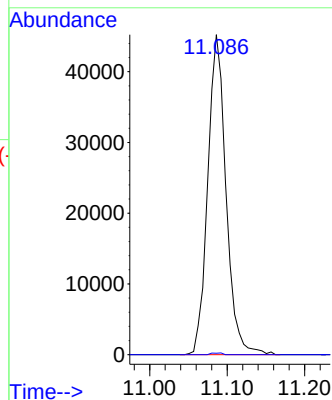
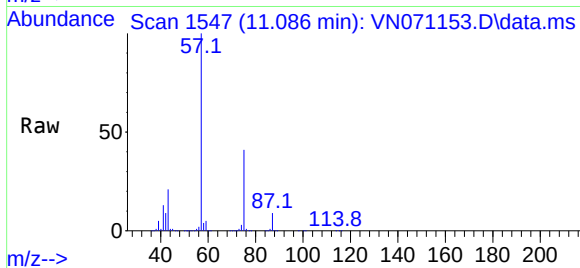
PB143059ZHE#04

Tgt Ion: 76 Resp: 74096

Ion Ratio Lower Upper

76 100

78 0.3 25.7 38.5#



#59

2-Hexanone

Concen: 127.358 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071153.D

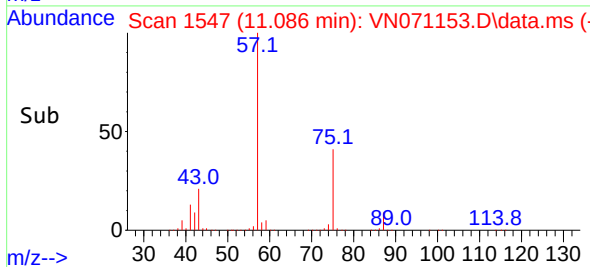
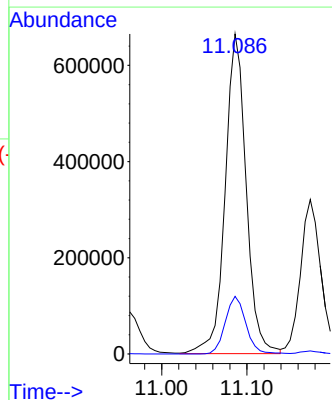
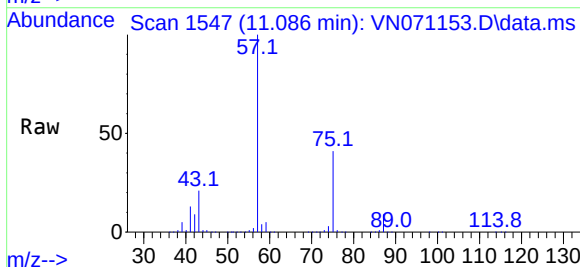
Acq: 03 Mar 2022 15:10

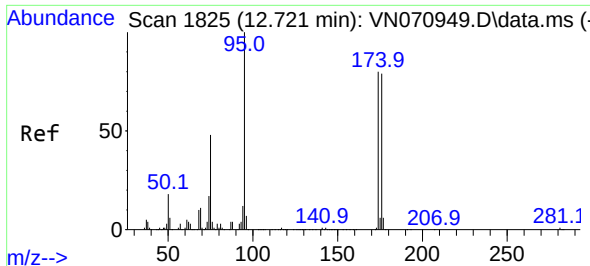
Tgt Ion: 43 Resp: 1139405

Ion Ratio Lower Upper

43 100

58 17.7 26.9 80.7#

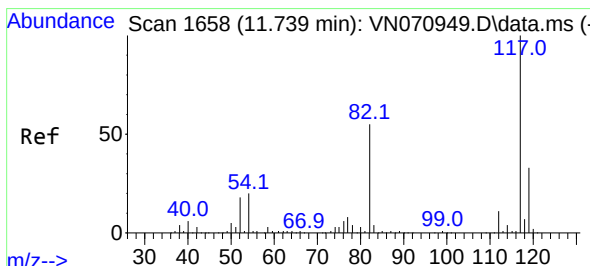
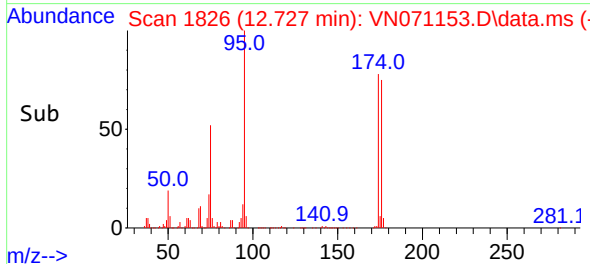
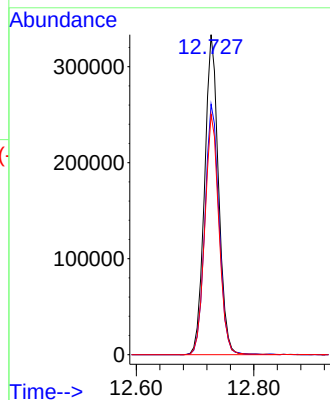
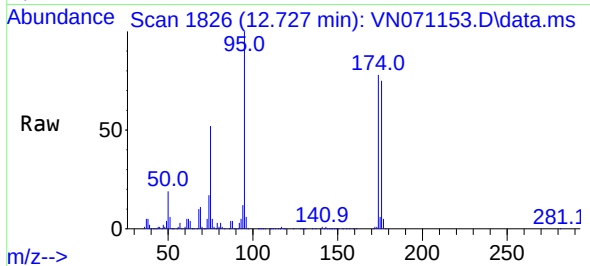




#62
4-Bromofluorobenzene
Concen: 49.505 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

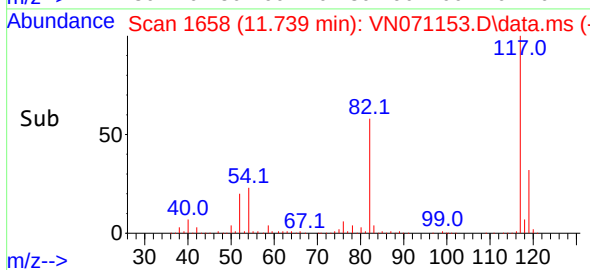
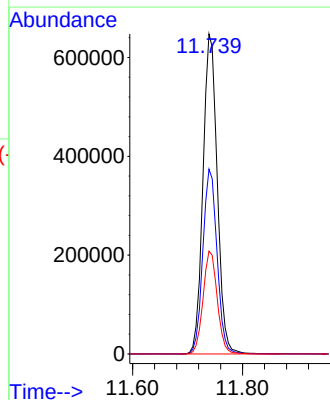
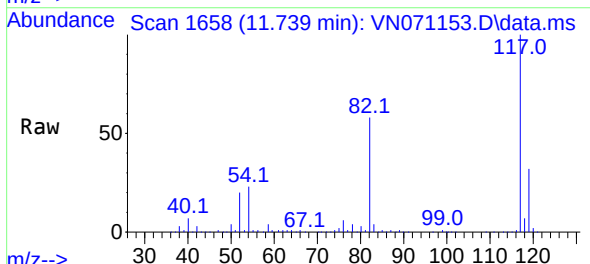
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#04

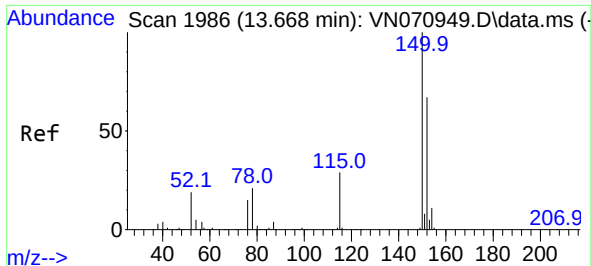
Tgt Ion: 95 Resp: 548596
Ion Ratio Lower Upper
95 100
174 79.4 0.0 187.2
176 75.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

Tgt Ion: 117 Resp: 1168084
Ion Ratio Lower Upper
117 100
82 57.7 42.4 63.6
119 32.1 25.4 38.2

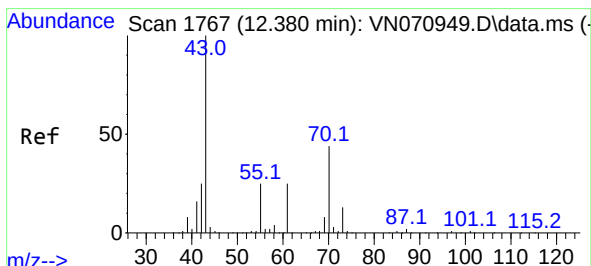
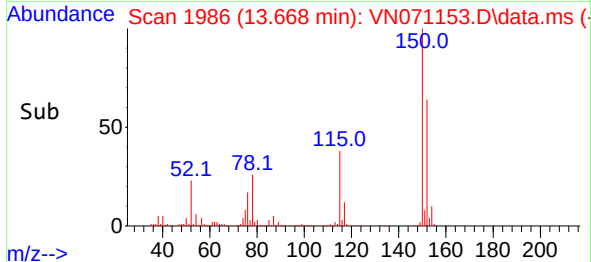
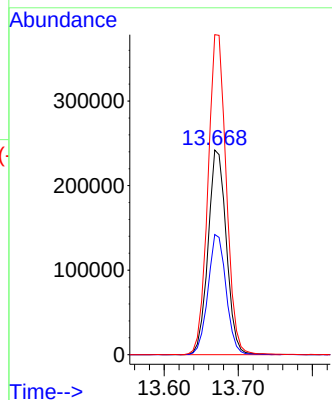
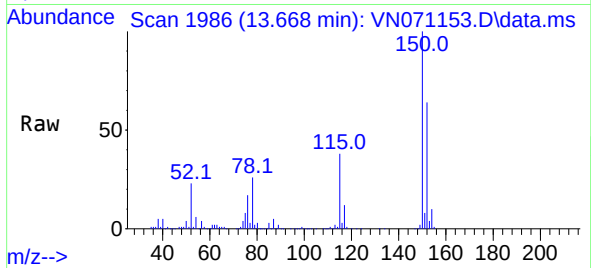




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

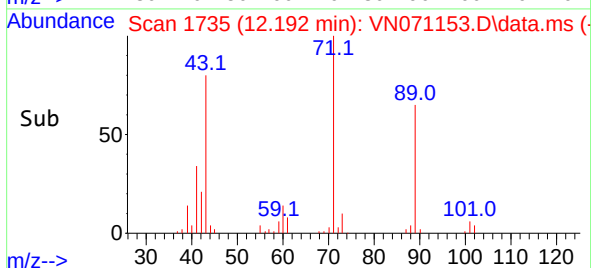
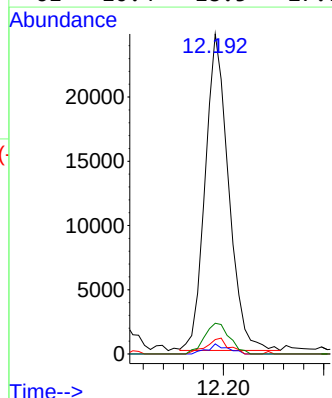
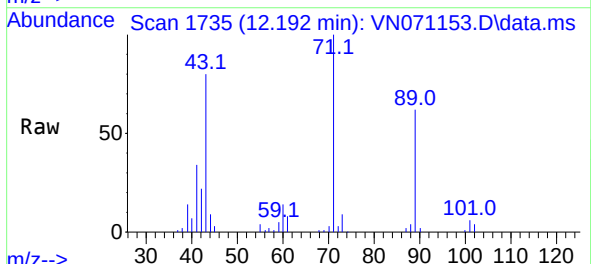
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#04

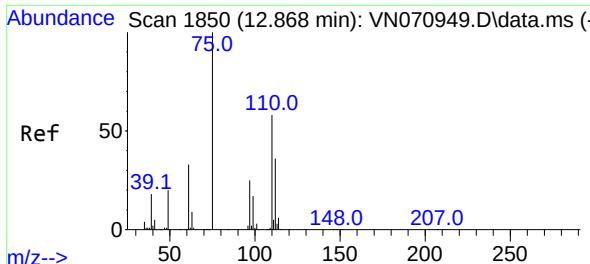
Tgt Ion:152 Resp: 414522
Ion Ratio Lower Upper
152 100
115 58.5 27.5 82.5
150 157.1 0.0 344.4



#74
N-ethyl acetate
Concen: 3.753 ug/l
RT: 12.192 min Scan# 1735
Delta R.T. -0.188 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

Tgt Ion: 43 Resp: 40028
Ion Ratio Lower Upper
43 100
70 2.7 33.4 50.0#
55 4.8 19.3 28.9#
61 10.4 18.5 27.7#

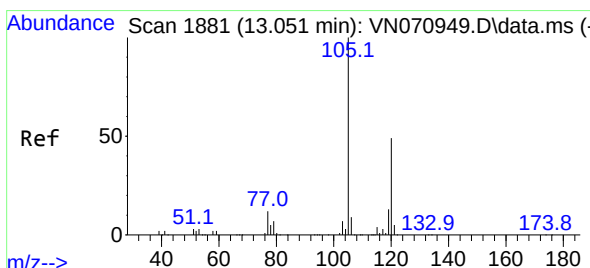
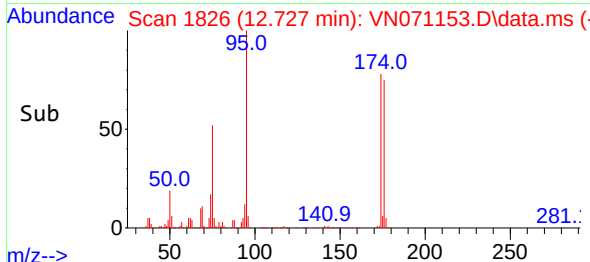
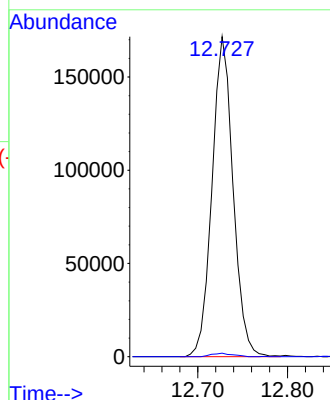
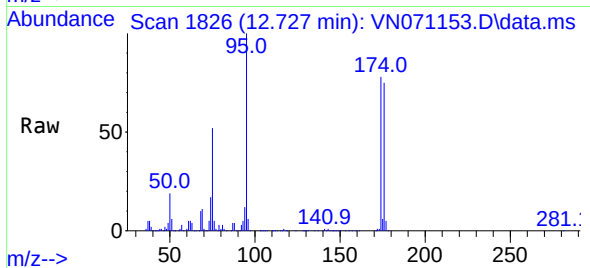




#76
1,2,3-Trichloropropane
Concen: 28.650 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

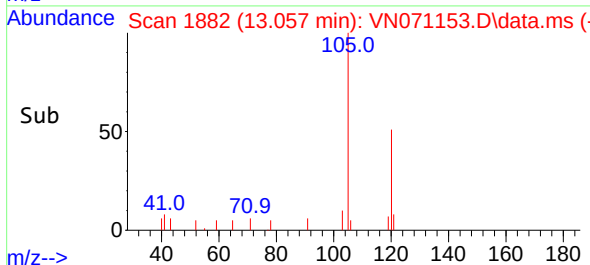
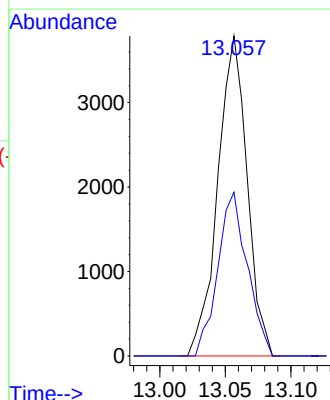
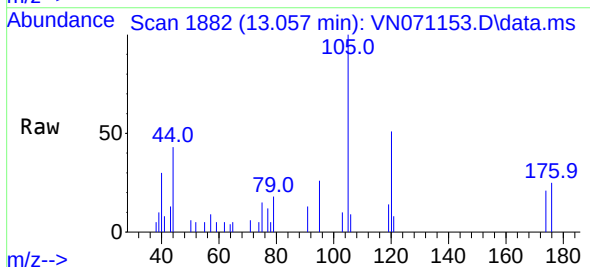
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#04

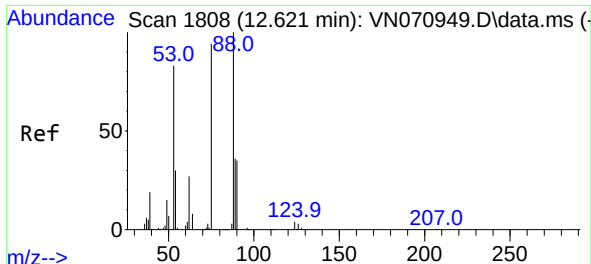
Tgt Ion: 75 Resp: 279620
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.218 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

Tgt Ion: 105 Resp: 5900
Ion Ratio Lower Upper
105 100
120 51.5 24.6 73.6

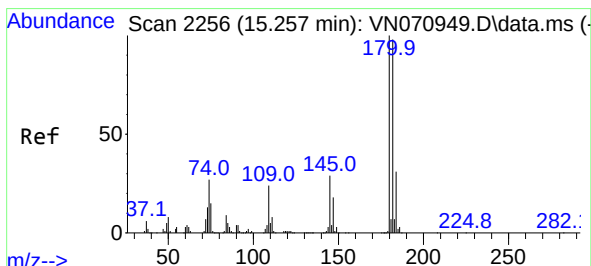
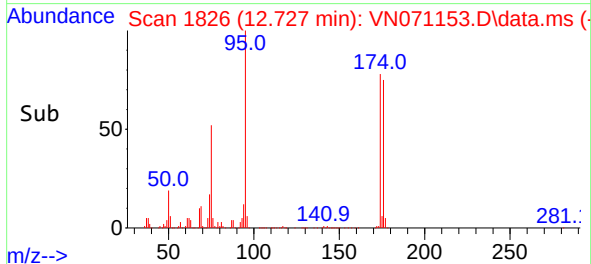
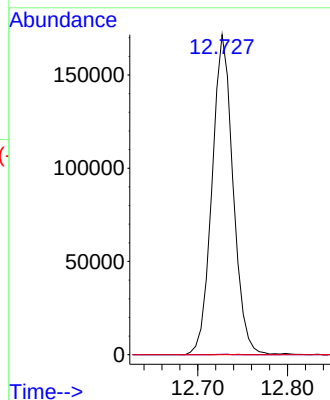
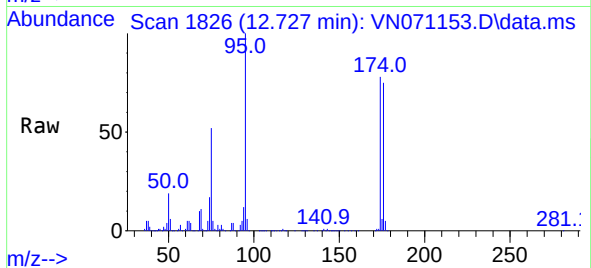




#81
trans-1,4-Dichloro-2-butene
Concen: 92.838 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

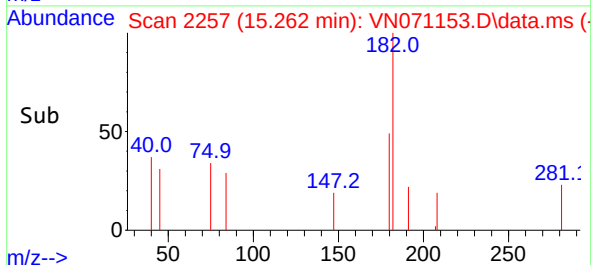
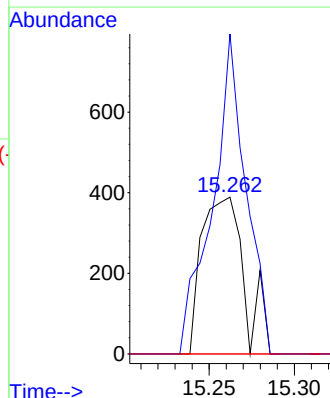
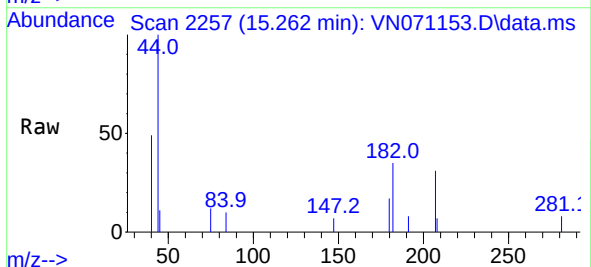
Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#04

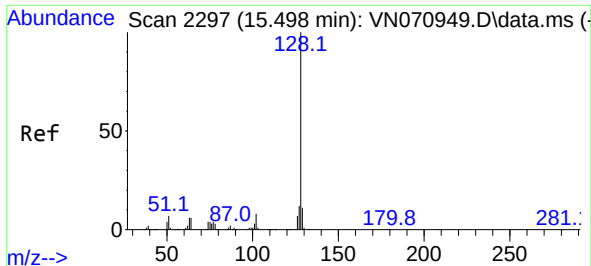
Tgt Ion: 75 Resp: 279620
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.083 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.005 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

Tgt Ion:180 Resp: 672
Ion Ratio Lower Upper
180 100
182 161.3 48.3 144.9#
145 0.0 14.5 43.5#

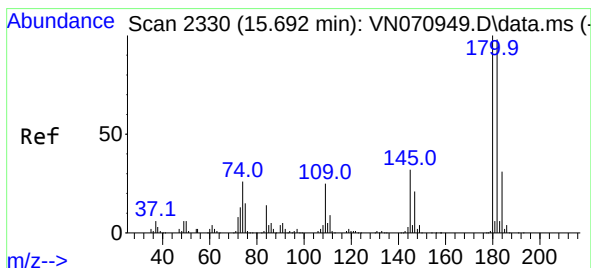
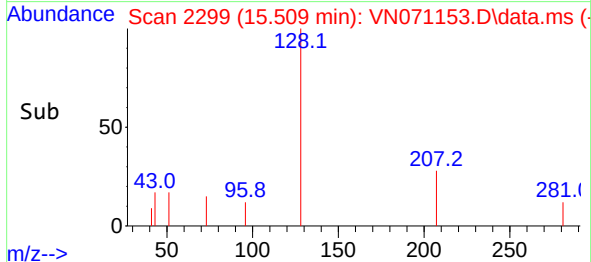
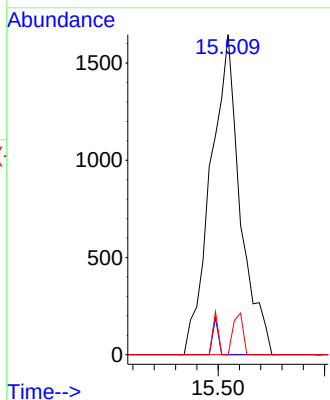
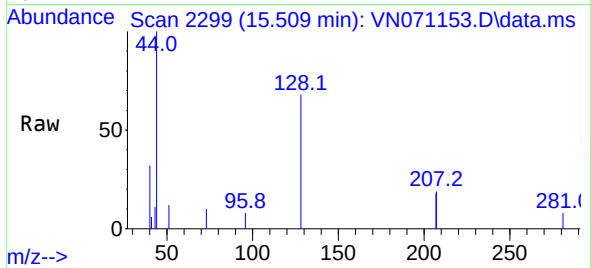




#95
Naphthalene
Concen: 5.144 ug/l
RT: 15.509 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

Instrument :
MSVOA_N
ClientSampleId :
PB143059ZHE#04

Tgt Ion:128 Resp: 3174
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 4.3 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.632 ug/l
RT: 15.709 min Scan# 2333
Delta R.T. 0.017 min
Lab File: VN071153.D
Acq: 03 Mar 2022 15:10

Tgt Ion:180 Resp: 862
Ion Ratio Lower Upper
180 100
182 138.9 47.4 142.2
145 6.4 15.0 45.1#

