

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033022\
 Data File : VN071694.D
 Acq On : 31 Mar 2022 06:09
 Operator : JC\MD
 Sample : PB143736ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143736ZHE#09

Quant Time: Mar 31 07:48:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

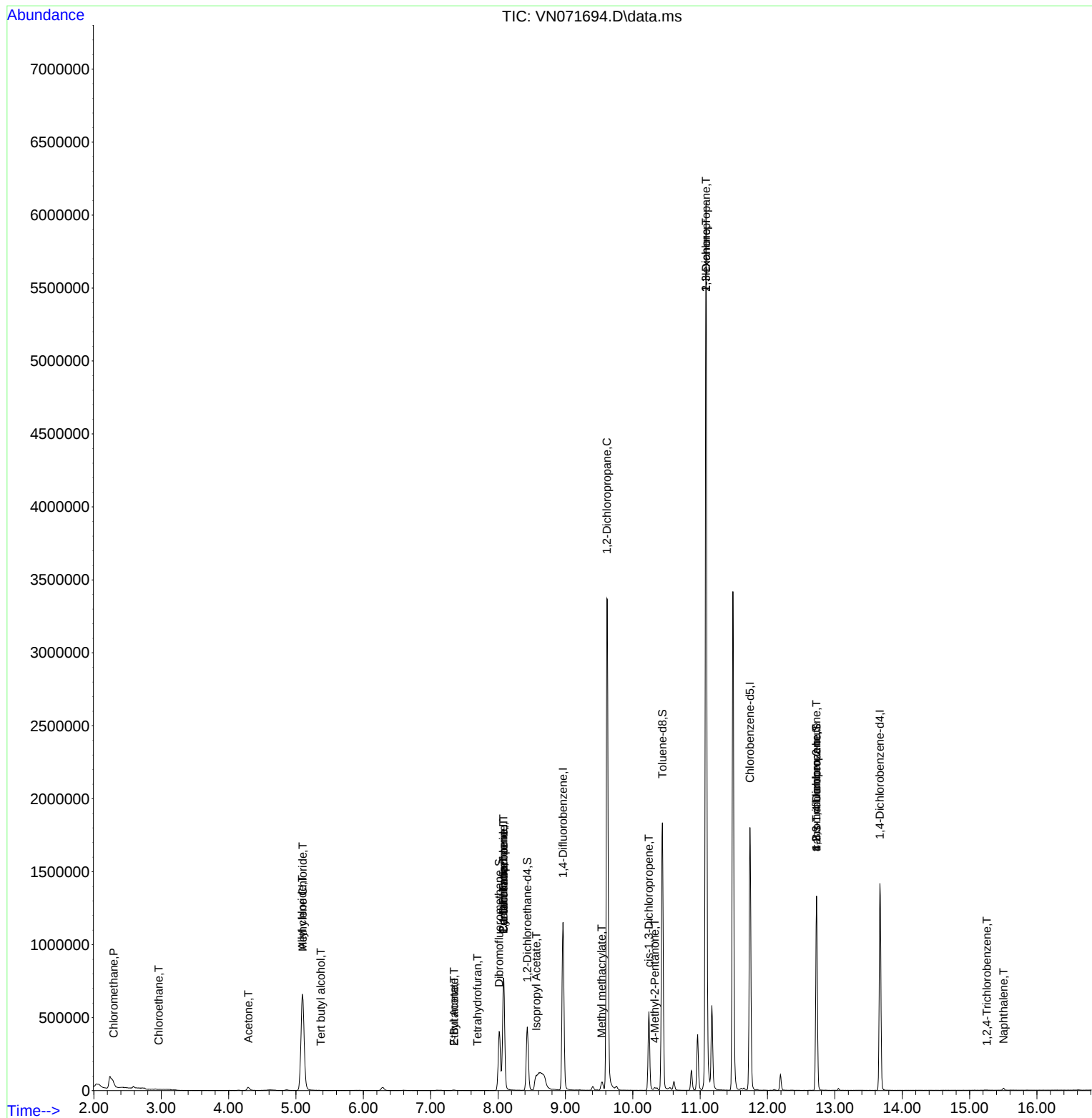
Internal Standards						
1) Pentafluorobenzene	8.081	168	621608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1068188	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1090883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	416603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	354787	49.995	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.000%			
35) Dibromofluoromethane	8.016	113	301772	48.009	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.020%			
50) Toluene-d8	10.439	98	1346924	52.383	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.760%			
62) 4-Bromofluorobenzene	12.727	95	470263	56.549	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 113.100%			
Target Compounds						Qvalue
3) Chloromethane	2.293	50	2377	0.380	ug/l #	43
6) Chloroethane	2.963	64	1352	0.273	ug/l #	42
11) Tert butyl alcohol	5.369	59	515	0.447	ug/l #	72
14) Allyl chloride	5.093	41	16019	1.924	ug/l #	24
16) Acetone	4.293	43	39012	12.864	ug/l	97
18) Methyl Acetate	4.857	43	9728	Below Cal		96
20) Methylene Chloride	5.099	84	580398	90.797	ug/l	98
25) 2-Butanone	7.345	43	6625	1.515	ug/l	90
29) Tetrahydrofuran	7.692	42	820	0.290	ug/l #	43
31) Cyclohexane	8.081	56	11014	1.141	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	42771	4.873	ug/l #	49
37) Ethyl Acetate	7.345	43	6625	0.690	ug/l #	67
38) Carbon Tetrachloride	8.081	117	56094	6.521	ug/l #	17
43) Isopropyl Acetate	8.569	43	131383	8.222	ug/l #	73
45) 1,2-Dichloropropane	9.616	63	4532	0.654	ug/l #	44
48) Methyl methacrylate	9.539	41	15423	2.326	ug/l #	10
49) 1,4-Dioxane	9.563	88	54	Below Cal	#	25
51) 4-Methyl-2-Pentanone	10.328	43	11637	1.267	ug/l	95
54) cis-1,3-Dichloropropene	10.239	75	105125	9.805	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	68381	5.669	ug/l #	42
59) 2-Hexanone	11.086	43	856989	132.484	ug/l #	47
76) 1,2,3-Trichloropropane	12.727	75	230768	23.912	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	230768	74.101	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.257	180	54	2.094	ug/l #	12
95) Naphthalene	15.504	128	13941	4.482	ug/l	98

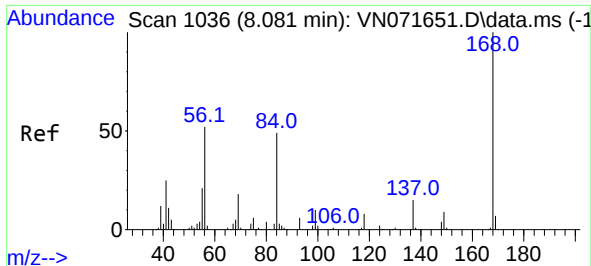
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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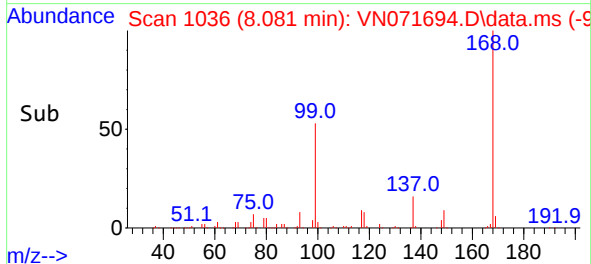
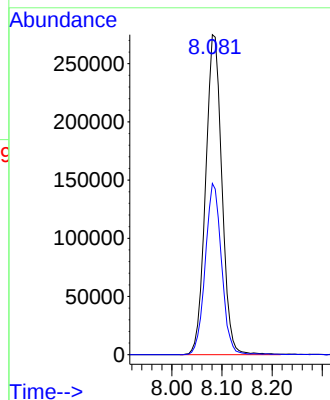
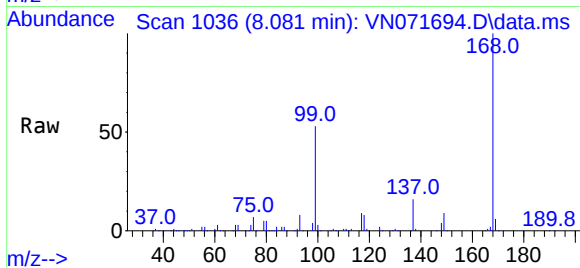




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

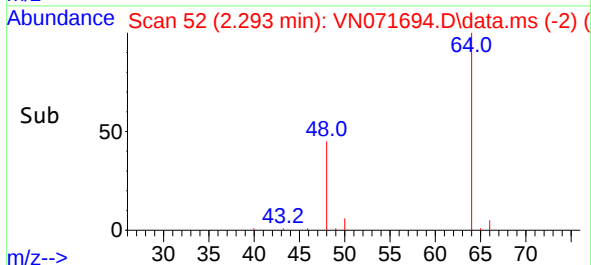
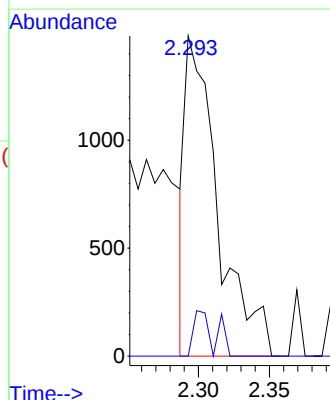
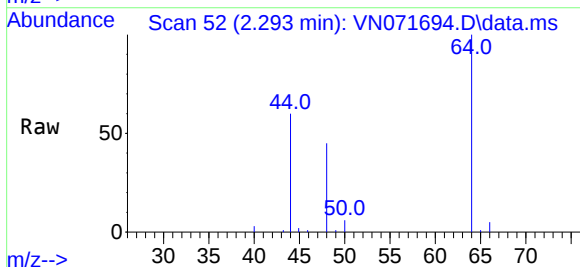
Instrument :
MSVOA_N
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PB143736ZHE#09

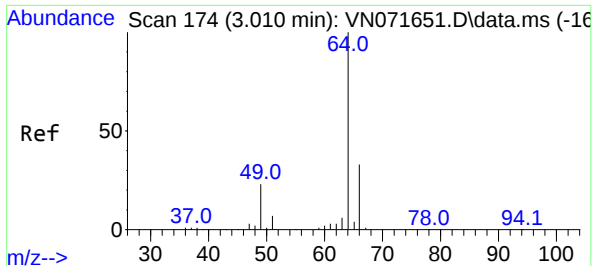
Tgt Ion:168 Resp: 621608
Ion Ratio Lower Upper
168 100
99 53.5 42.3 63.5



#3
Chloromethane
Concen: 0.380 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

Tgt Ion: 50 Resp: 2377
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

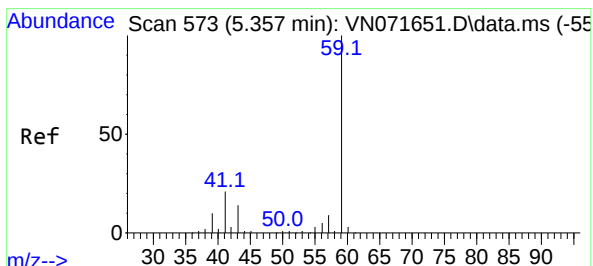
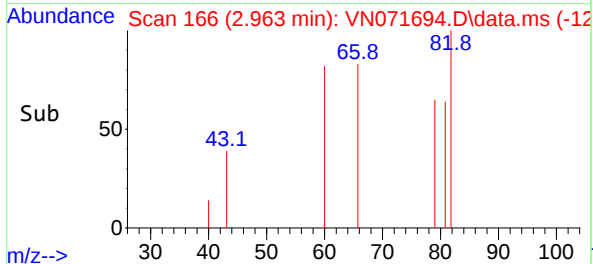
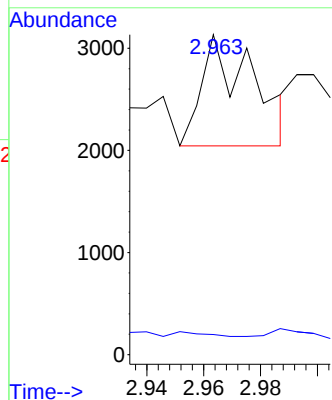
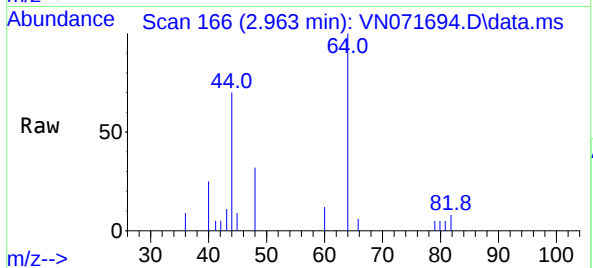




#6
Chloroethane
Concen: 0.273 ug/l
RT: 2.963 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

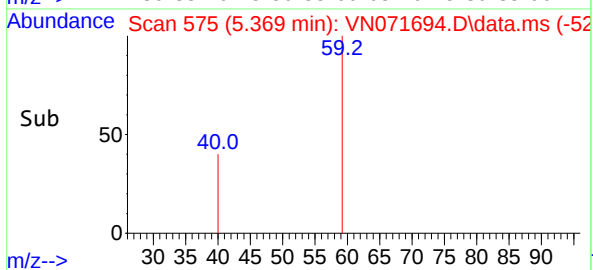
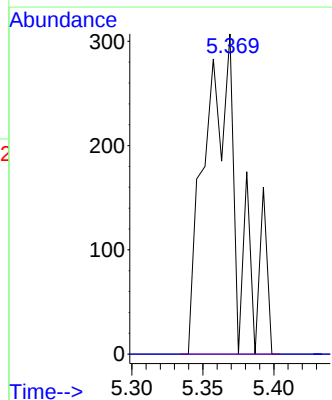
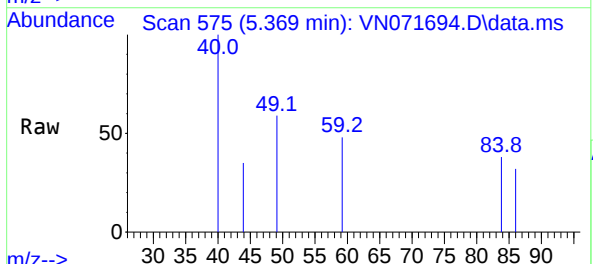
Instrument :
MSVOA_N
ClientSampleId :
PB143736ZHE#09

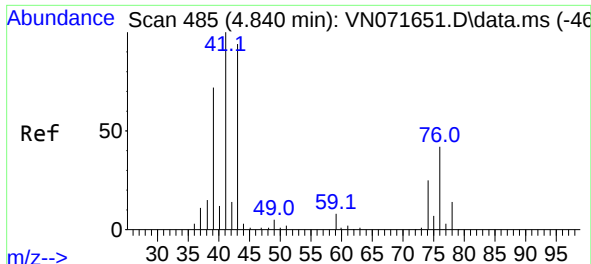
Tgt Ion: 64 Resp: 1352
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.447 ug/l
RT: 5.369 min Scan# 575
Delta R.T. 0.012 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

Tgt Ion: 59 Resp: 515
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#14

Allyl chloride

Concen: 1.924 ug/l

RT: 5.093 min Scan# 51

Delta R.T. 0.253 min

Lab File: VN071694.D

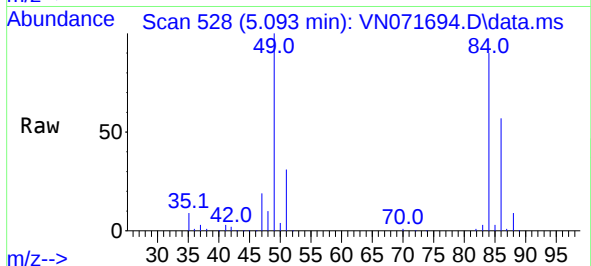
Acq: 31 Mar 2022 06:09

Instrument :

MSVOA_N

ClientSampleId :

PB143736ZHE#09



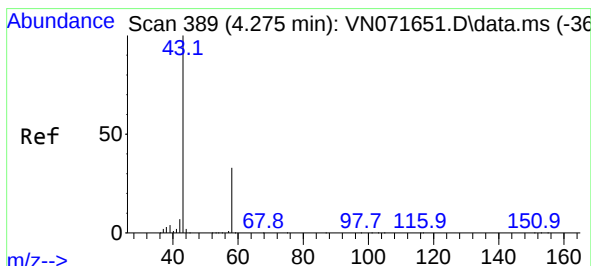
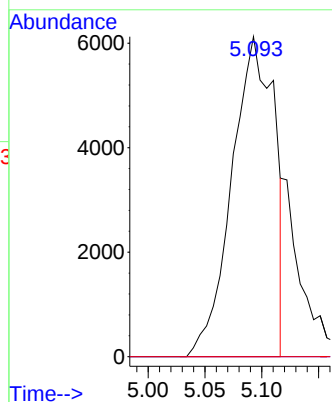
Tgt Ion: 41 Resp: 16019

Ion Ratio Lower Upper

41 100

39 0.0 53.2 79.8#

76 0.0 29.9 44.9#



#16

Acetone

Concen: 12.864 ug/l

RT: 4.293 min Scan# 392

Delta R.T. 0.018 min

Lab File: VN071694.D

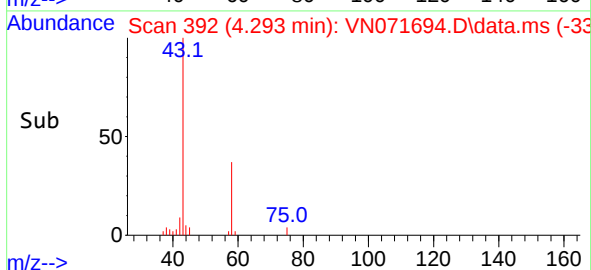
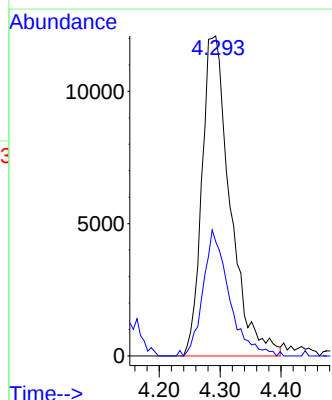
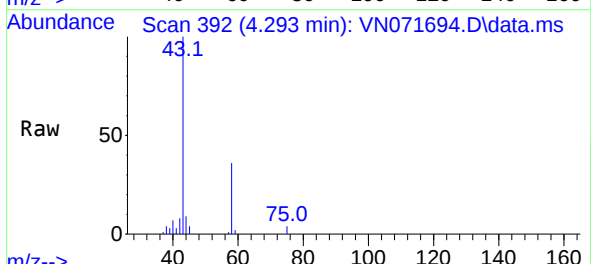
Acq: 31 Mar 2022 06:09

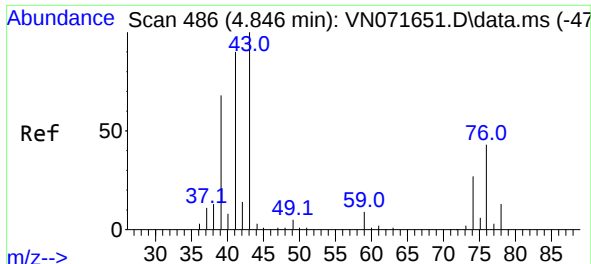
Tgt Ion: 43 Resp: 39012

Ion Ratio Lower Upper

43 100

58 34.3 26.0 39.0

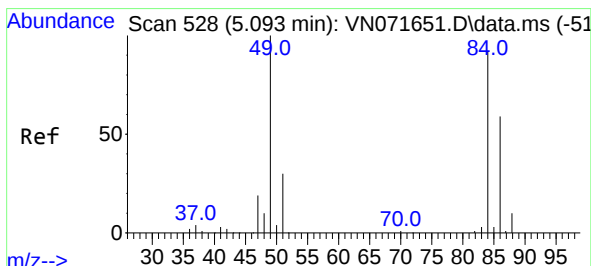
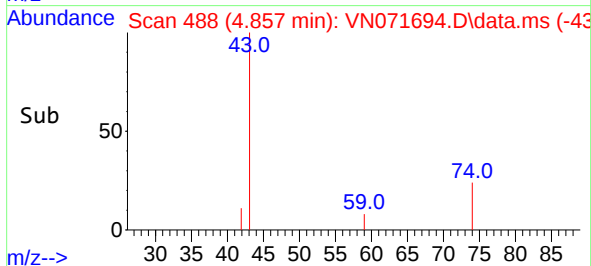
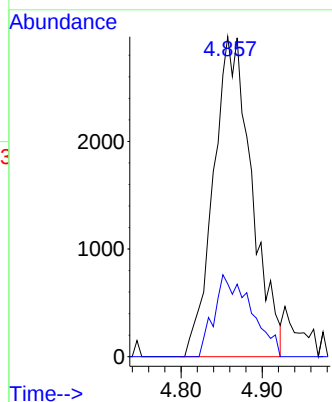
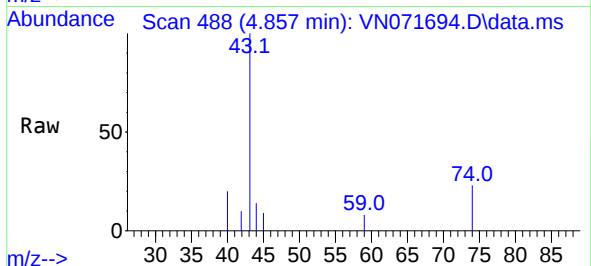




#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

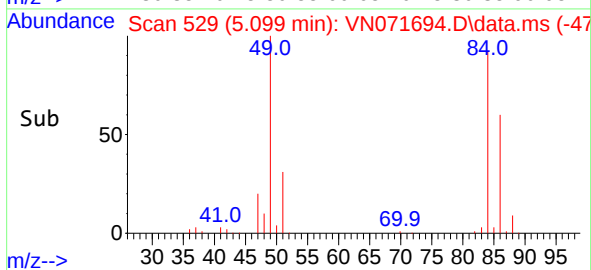
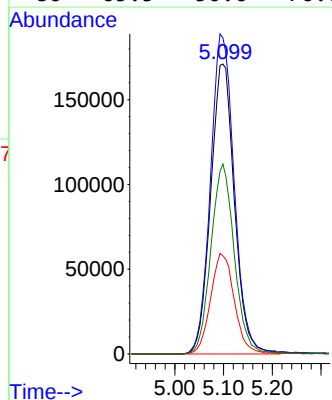
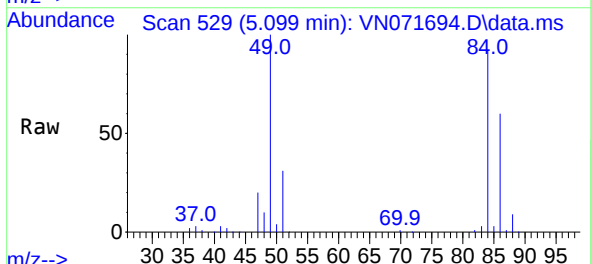
Instrument :
MSVOA_N
ClientSampleId :
PB143736ZHE#09

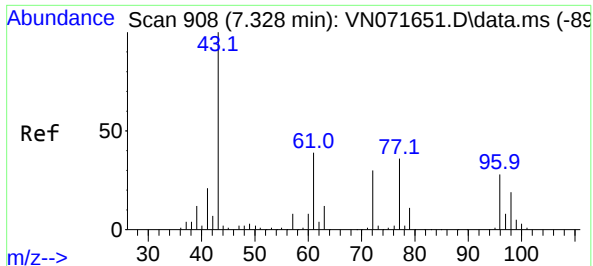
Tgt Ion: 43 Resp: 9728
Ion Ratio Lower Upper
43 100
74 24.8 21.6 32.4



#20
Methylene Chloride
Concen: 90.797 ug/l
RT: 5.099 min Scan# 529
Delta R.T. 0.006 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

Tgt Ion: 84 Resp: 580398
Ion Ratio Lower Upper
84 100
49 109.0 88.3 132.5
51 33.8 28.2 42.2
86 65.5 50.6 76.0





#25

2-Butanone

Concen: 1.515 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN071694.D

Acq: 31 Mar 2022 06:09

Instrument :

MSVOA_N

ClientSampleId :

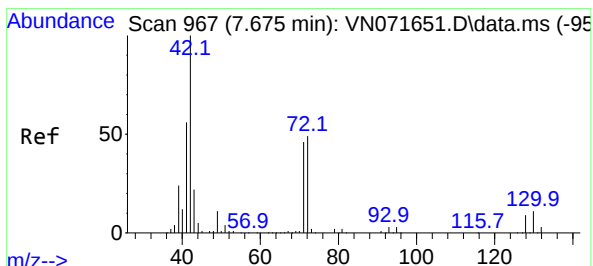
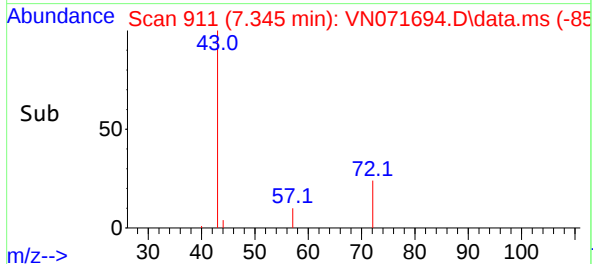
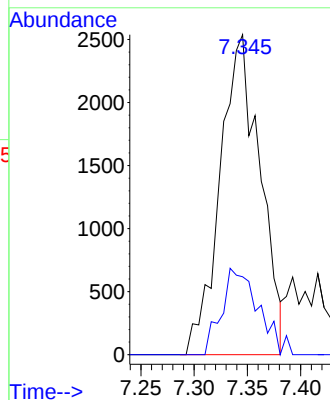
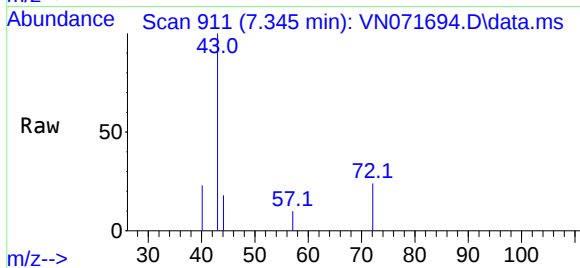
PB143736ZHE#09

Tgt Ion: 43 Resp: 6625

Ion Ratio Lower Upper

43 100

72 24.3 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.290 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.017 min

Lab File: VN071694.D

Acq: 31 Mar 2022 06:09

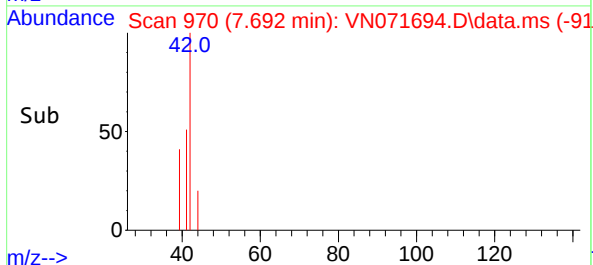
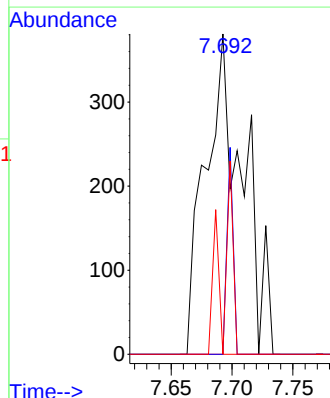
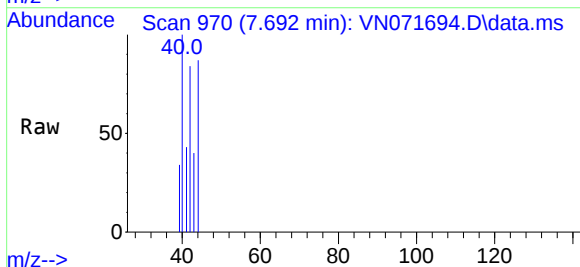
Tgt Ion: 42 Resp: 820

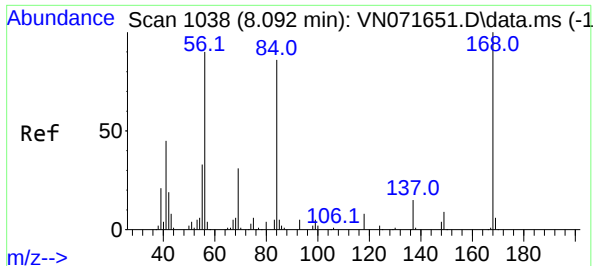
Ion Ratio Lower Upper

42 100

72 10.6 39.7 59.5#

71 7.4 36.6 55.0#

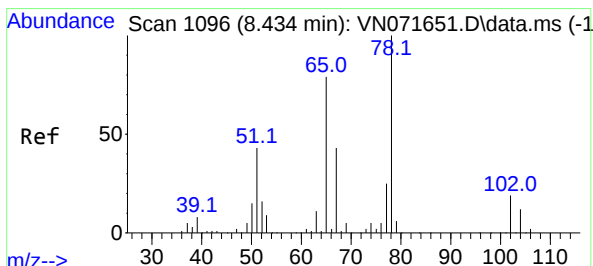
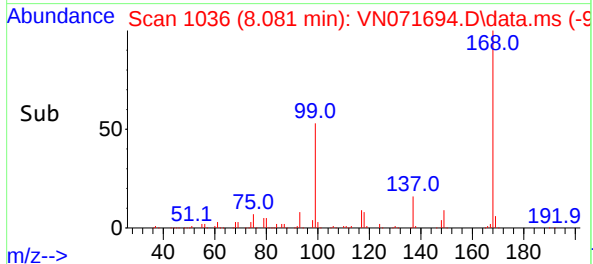
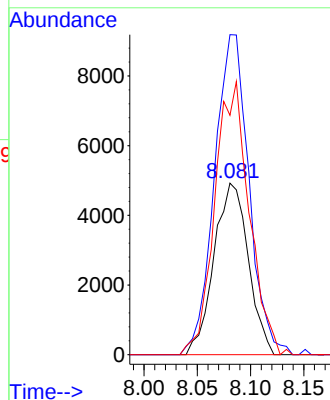
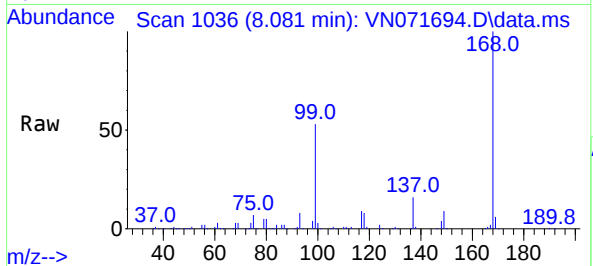




#31
Cyclohexane
Concen: 1.141 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

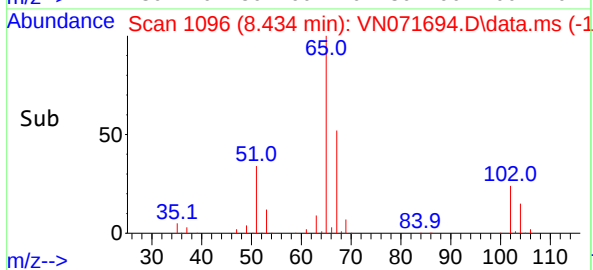
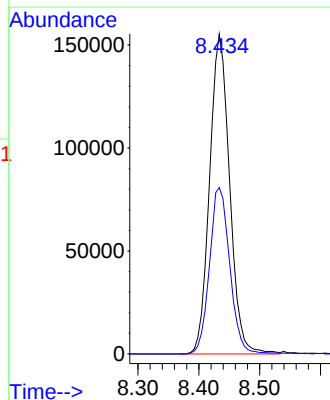
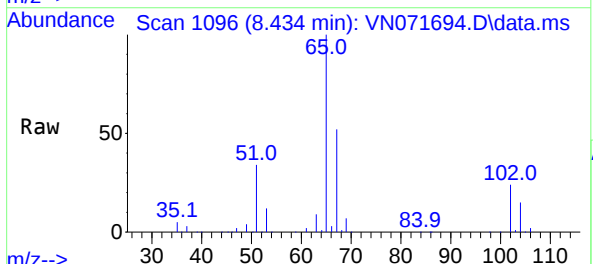
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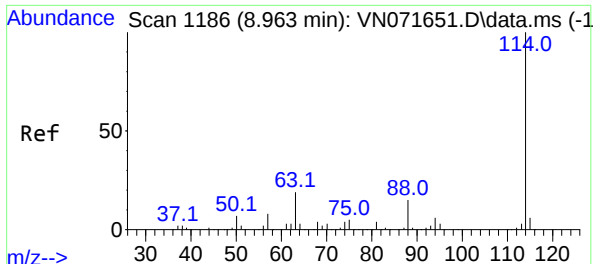
Tgt Ion: 56 Resp: 11014
Ion Ratio Lower Upper
56 100
69 186.6 27.8 41.8#
84 139.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 49.995 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

Tgt Ion: 65 Resp: 354787
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.8

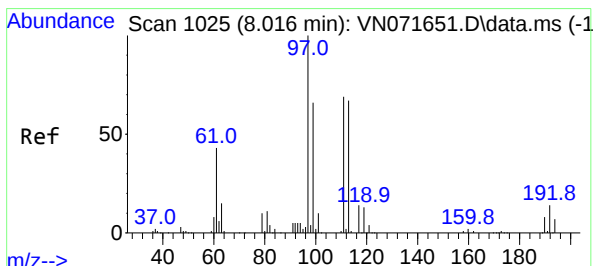
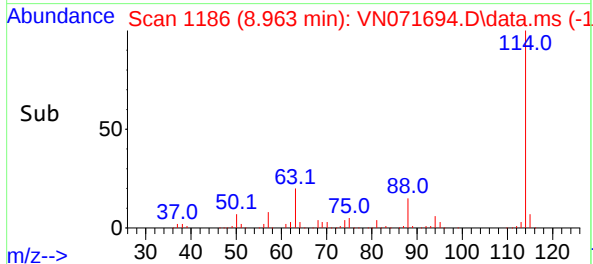
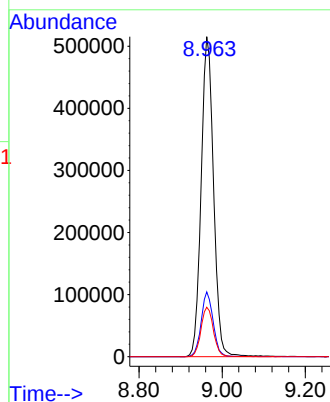
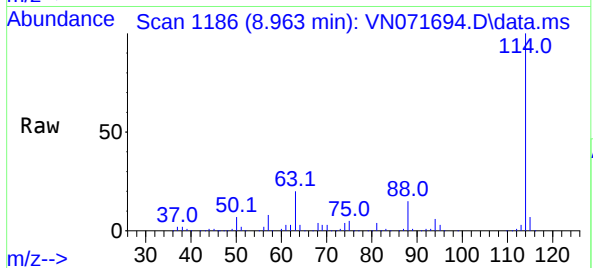




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

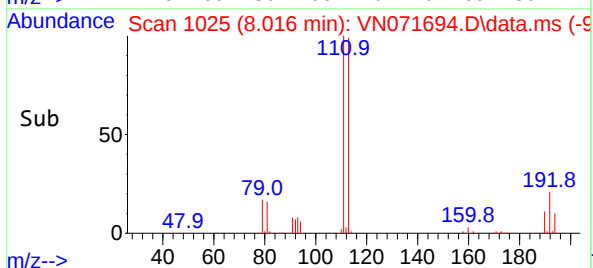
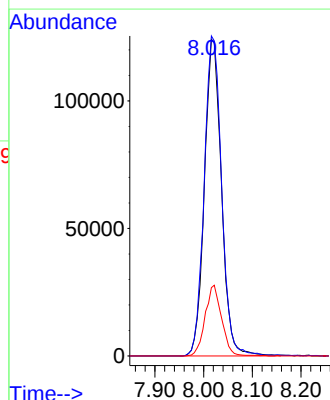
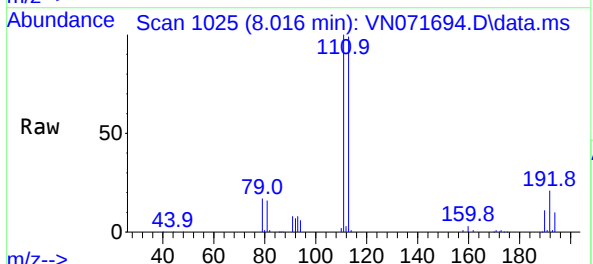
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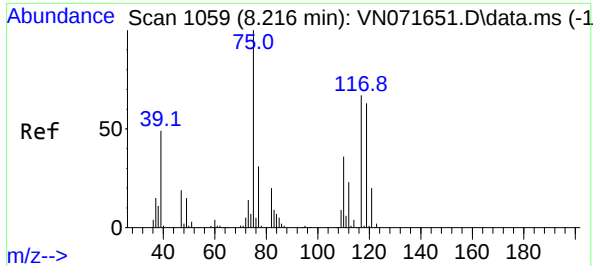
Tgt Ion:114 Resp: 1068188
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.0
88 15.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.009 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

Tgt Ion:113 Resp: 301772
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.0
192 21.5 17.0 25.6



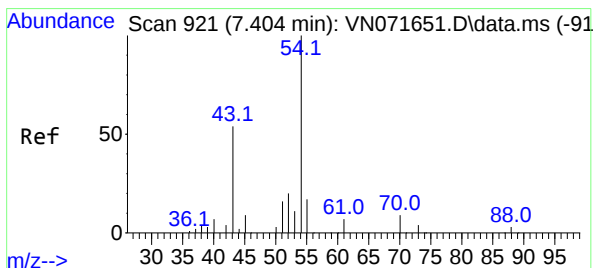
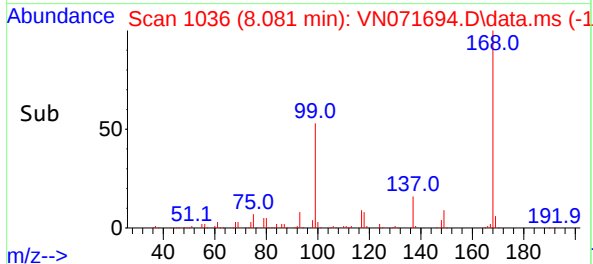
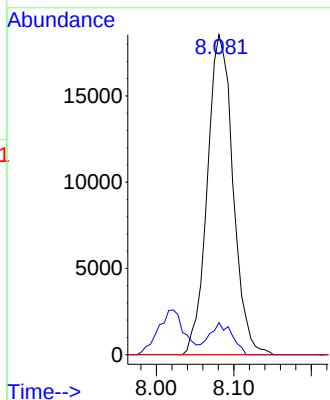
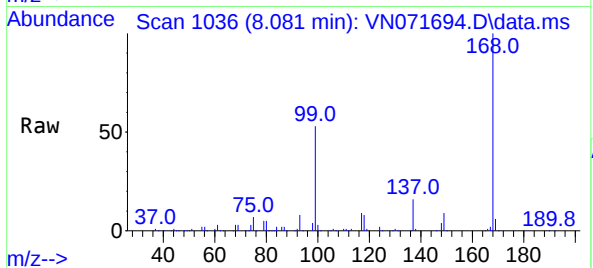


#36
1,1-Dichloropropene
Concen: 4.873 ug/l
RT: 8.081 min Scan# 1059
Delta R.T. -0.135 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

Instrument :
MSVOA_N
ClientSampleId :
PB143736ZHE#09

Tgt Ion: 75 Resp: 42771

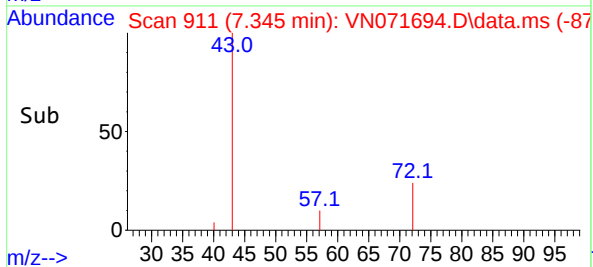
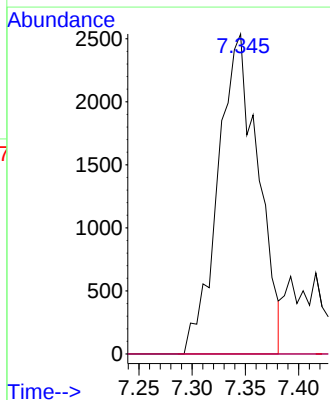
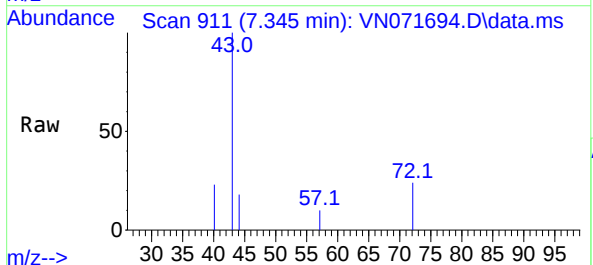
Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.3	54.8#
77	0.0	25.1	37.7#

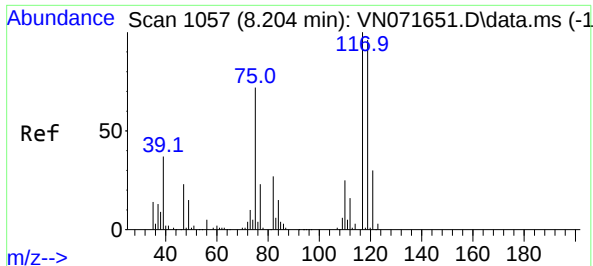


#37
Ethyl Acetate
Concen: 0.690 ug/l
RT: 7.345 min Scan# 911
Delta R.T. -0.059 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

Tgt Ion: 43 Resp: 6625

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.0	9.3	13.9#

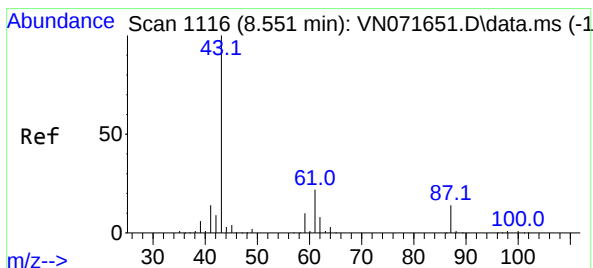
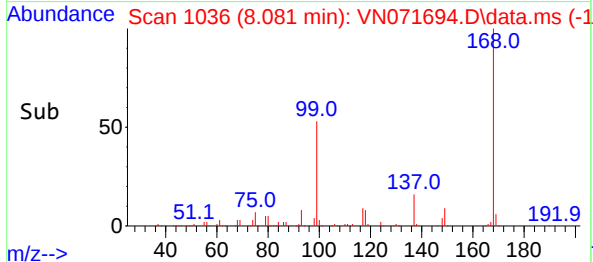
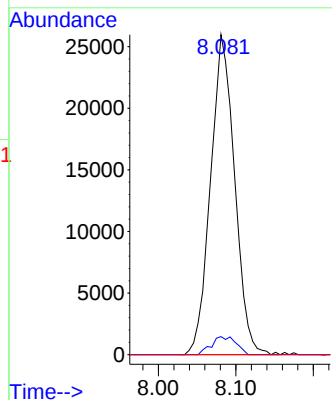
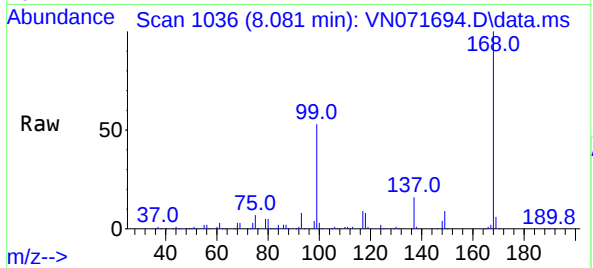




#38
Carbon Tetrachloride
Concen: 6.521 ug/l
RT: 8.081 min Scan# 1109
Delta R.T. -0.123 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

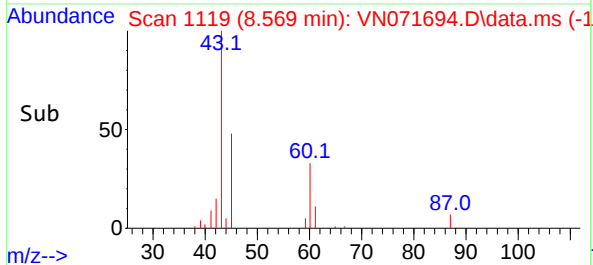
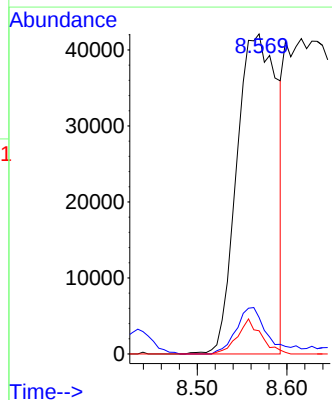
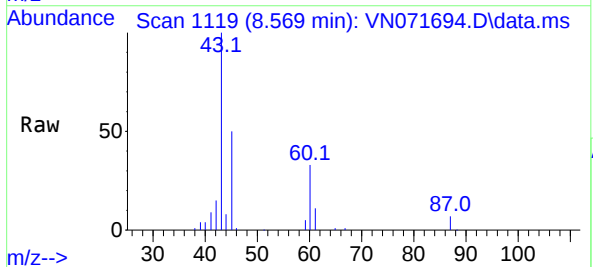
Instrument :
MSVOA_N
ClientSampleId :
PB143736ZHE#09

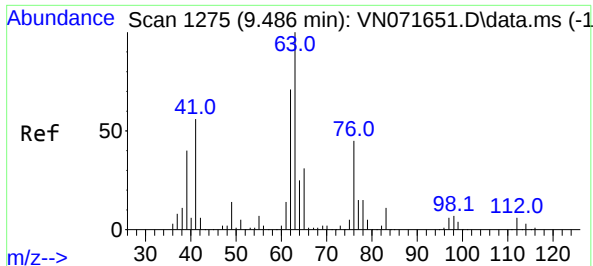
Tgt Ion:117 Resp: 56094
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 8.222 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.018 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

Tgt Ion: 43 Resp: 131383
Ion Ratio Lower Upper
43 100
61 11.5 21.9 32.9#
87 6.5 12.0 18.0#

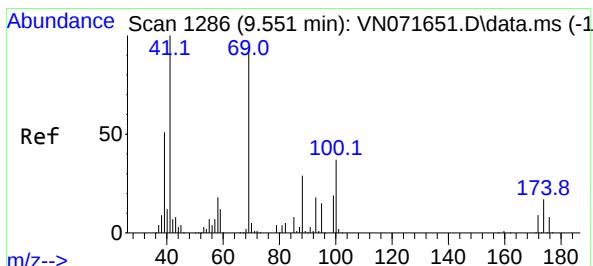
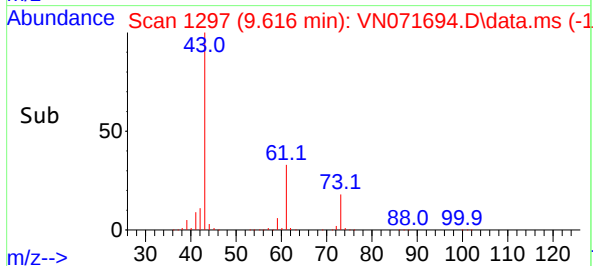
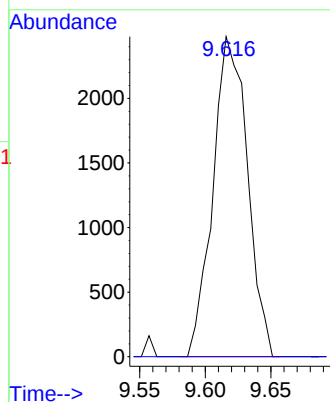
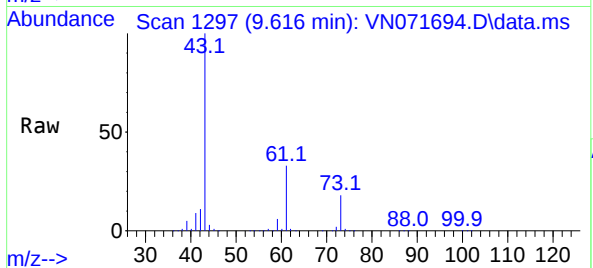




#45
1,2-Dichloropropane
Concen: 0.654 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

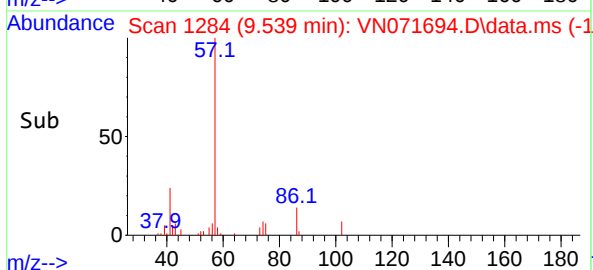
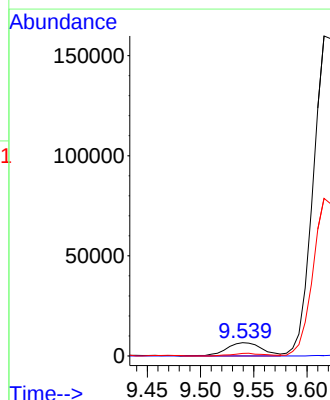
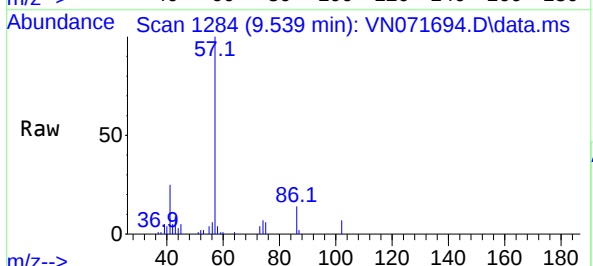
Instrument :
MSVOA_N
ClientSampleId :
PB143736ZHE#09

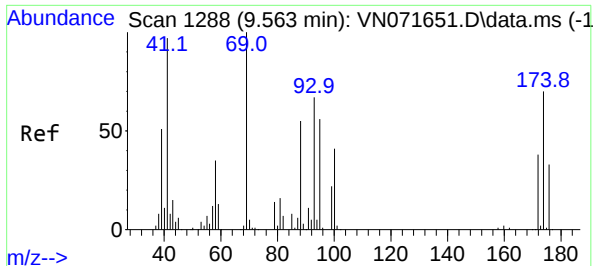
Tgt Ion: 63 Resp: 4532
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 2.326 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

Tgt Ion: 41 Resp: 15423
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.563 min Scan# 1288

Delta R.T. -0.000 min

Lab File: VN071694.D

Acq: 31 Mar 2022 06:09

Instrument :

MSVOA_N

ClientSampleId :

PB143736ZHE#09

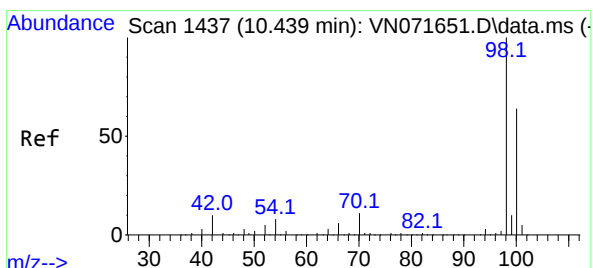
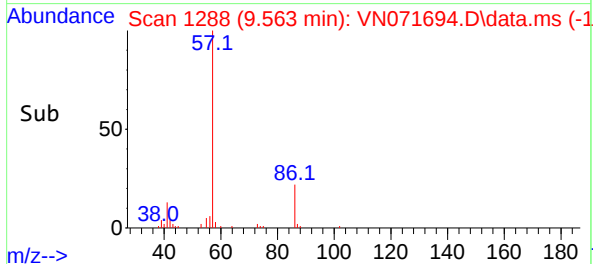
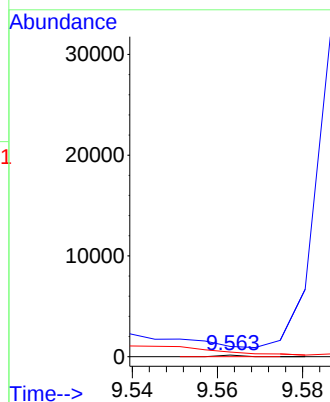
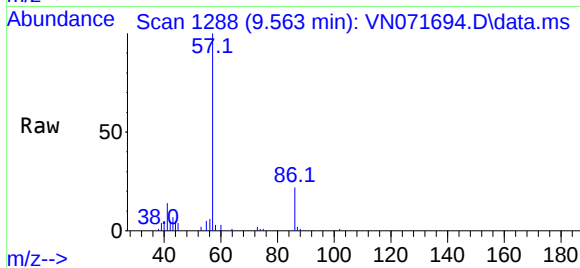
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 0.0 54.2 81.4#



#50

Toluene-d8

Concen: 52.383 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN071694.D

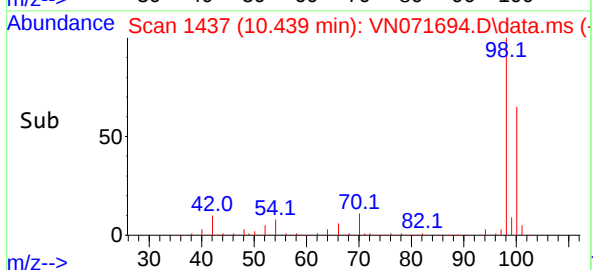
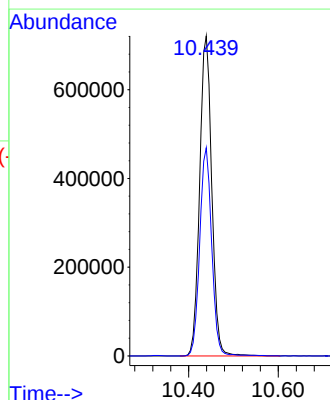
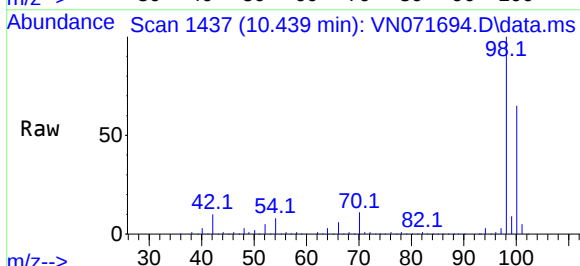
Acq: 31 Mar 2022 06:09

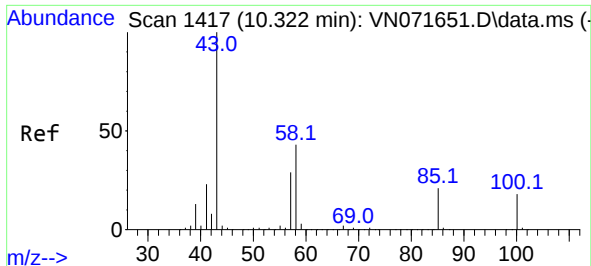
Tgt Ion: 98 Resp: 1346924

Ion Ratio Lower Upper

98 100

100 64.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.267 ug/l

RT: 10.328 min Scan# 1417

Delta R.T. 0.006 min

Lab File: VN071694.D

Acq: 31 Mar 2022 06:09

Instrument :

MSVOA_N

ClientSampleId :

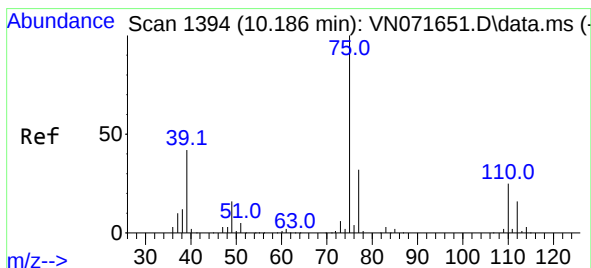
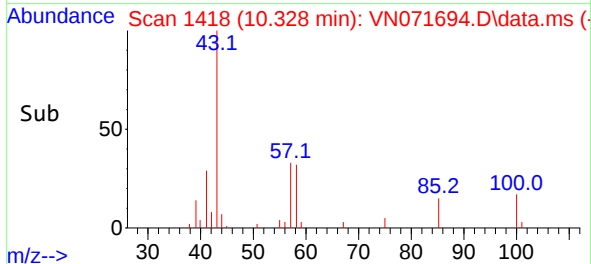
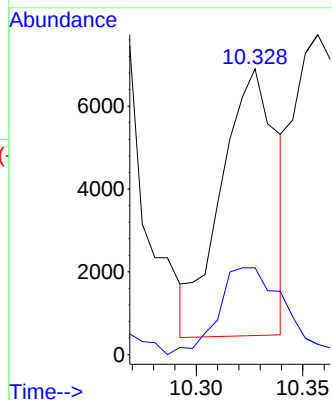
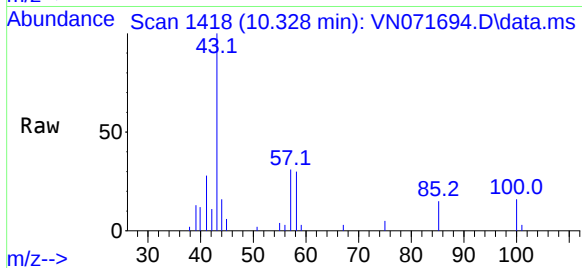
PB143736ZHE#09

Tgt Ion: 43 Resp: 11637

Ion Ratio Lower Upper

43 100

58 39.6 34.1 51.1



#54

cis-1,3-Dichloropropene

Concen: 9.805 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN071694.D

Acq: 31 Mar 2022 06:09

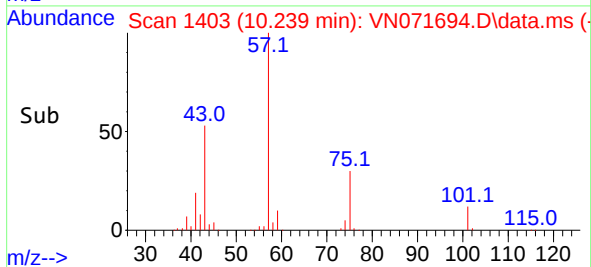
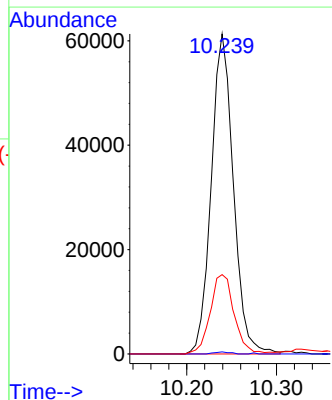
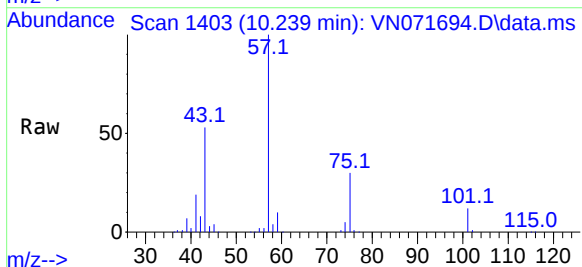
Tgt Ion: 75 Resp: 105125

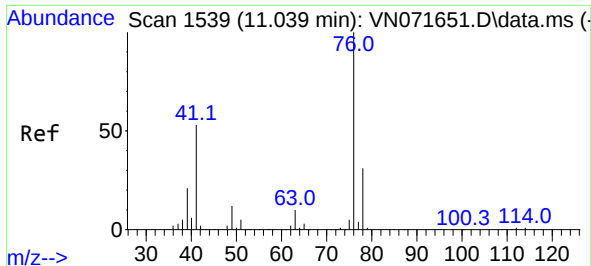
Ion Ratio Lower Upper

75 100

77 0.6 25.2 37.8#

39 24.8 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 5.669 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071694.D

Acq: 31 Mar 2022 06:09

Instrument :

MSVOA_N

ClientSampleId :

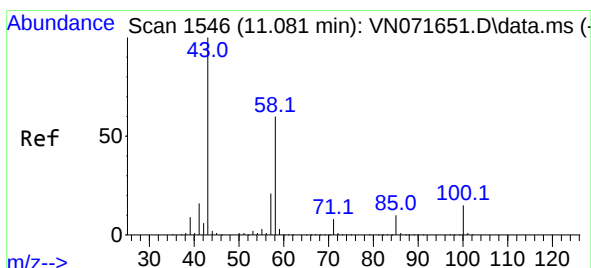
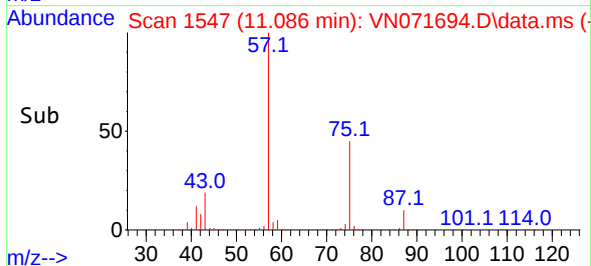
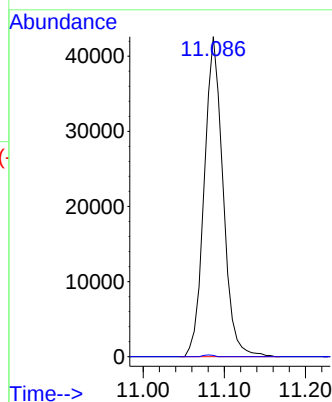
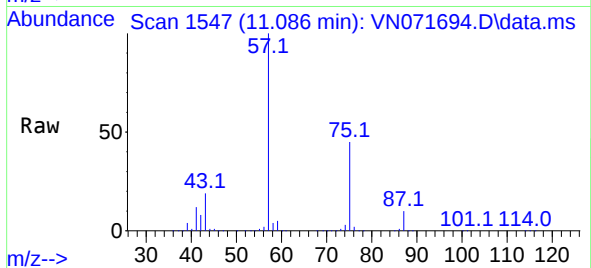
PB143736ZHE#09

Tgt Ion: 76 Resp: 68381

Ion Ratio Lower Upper

76 100

78 0.3 26.2 39.2#



#59

2-Hexanone

Concen: 132.484 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN071694.D

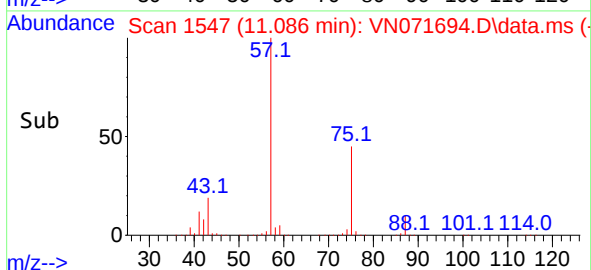
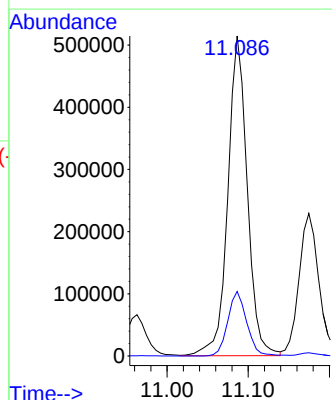
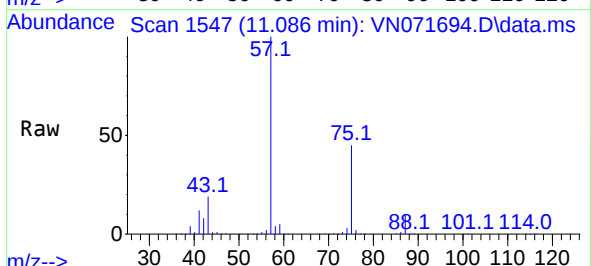
Acq: 31 Mar 2022 06:09

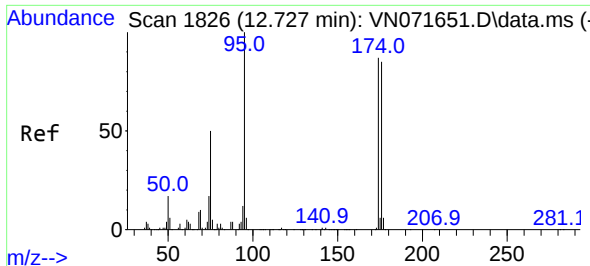
Tgt Ion: 43 Resp: 856989

Ion Ratio Lower Upper

43 100

58 19.7 29.7 89.1#

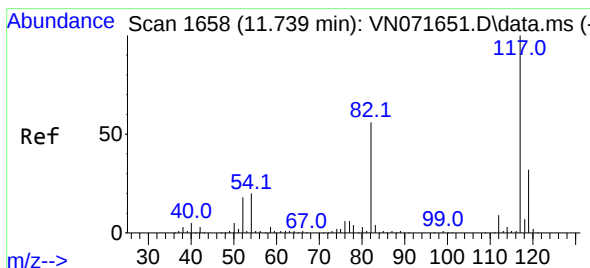
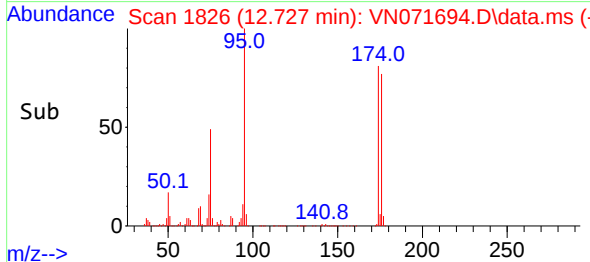
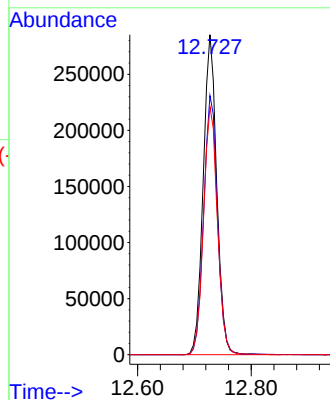
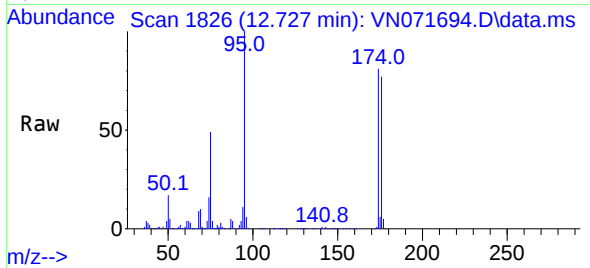




#62
4-Bromofluorobenzene
Concen: 56.549 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

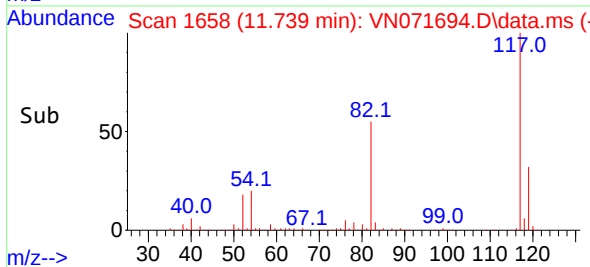
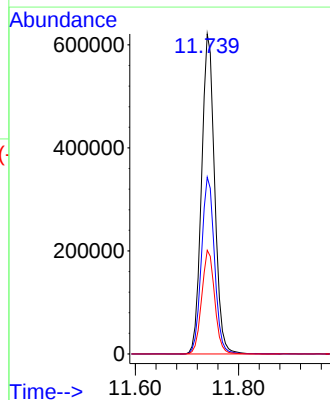
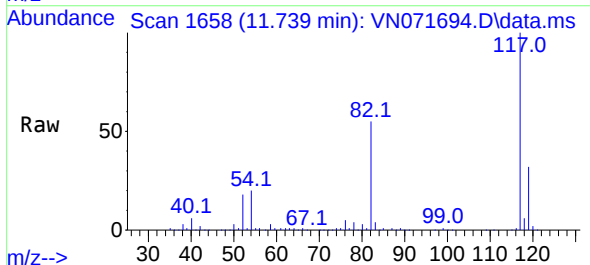
Instrument :
MSVOA_N
ClientSampleId :
PB143736ZHE#09

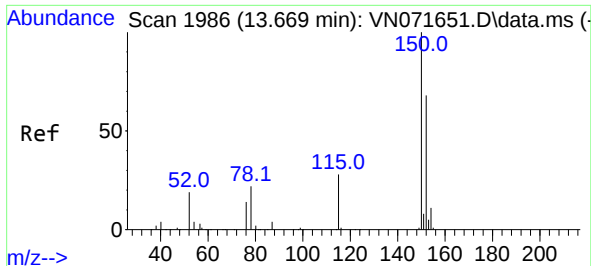
Tgt Ion: 95 Resp: 470263
Ion Ratio Lower Upper
95 100
174 82.5 0.0 167.6
176 79.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

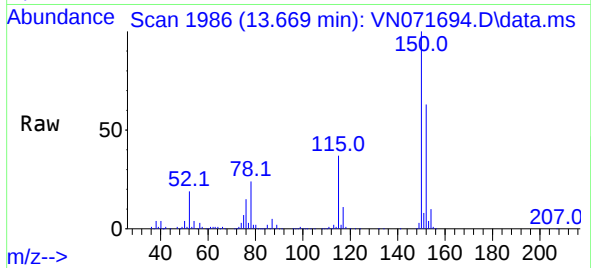
Tgt Ion: 117 Resp: 1090883
Ion Ratio Lower Upper
117 100
82 55.3 44.2 66.2
119 32.4 25.4 38.0



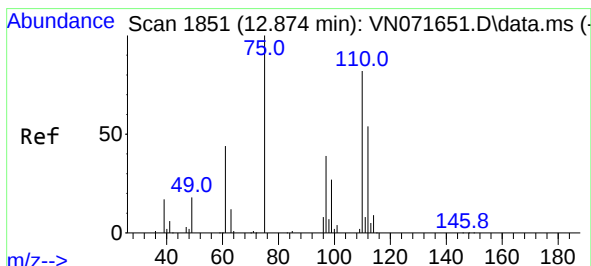
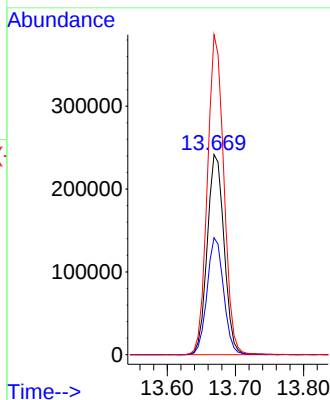
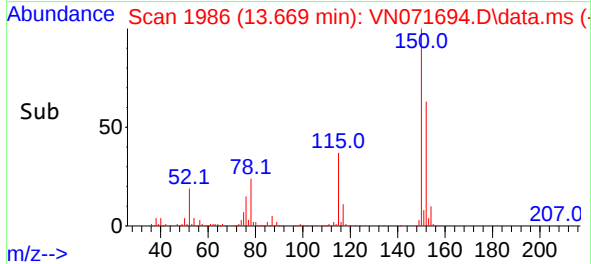


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

Instrument :
MSVOA_N
ClientSampleId :
PB143736ZHE#09

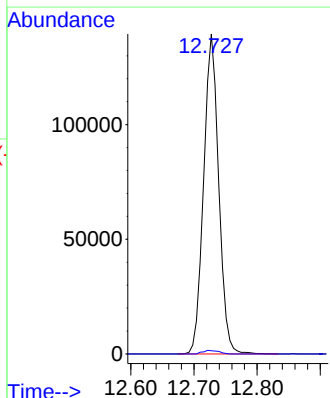
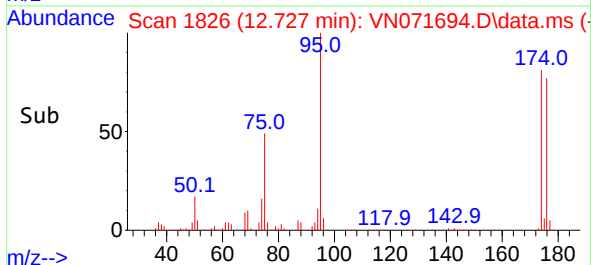
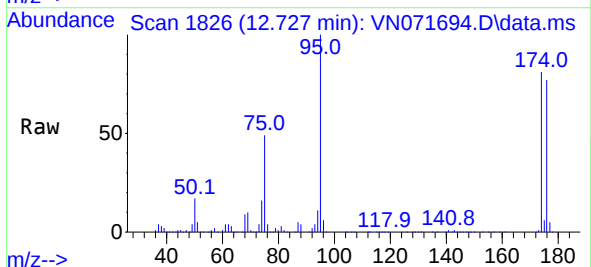


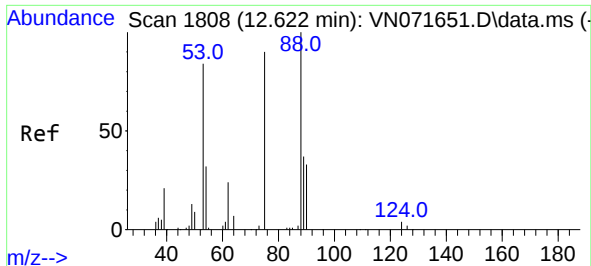
Tgt Ion:152 Resp: 416603
Ion Ratio Lower Upper
152 100
115 57.6 28.9 86.7
150 156.1 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 23.912 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

Tgt Ion: 75 Resp: 230768
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

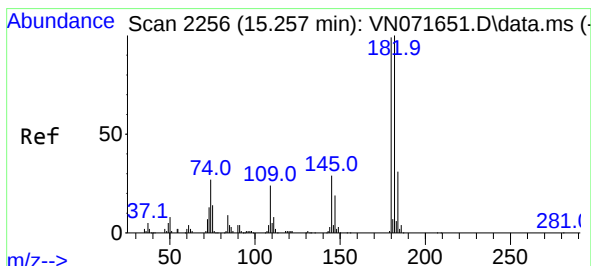
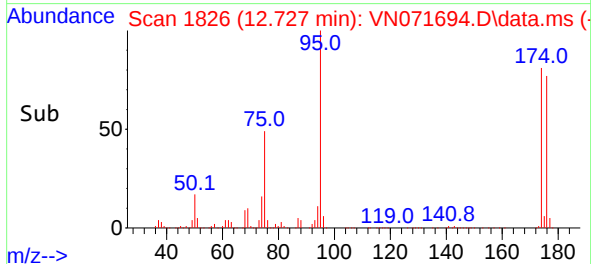
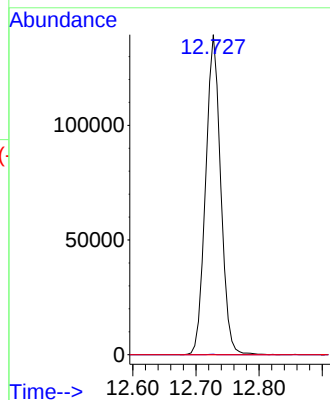
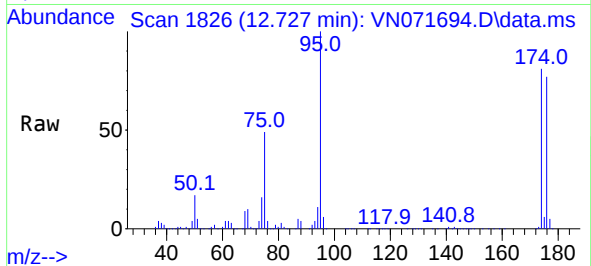




#81
trans-1,4-Dichloro-2-butene
Concen: 74.101 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

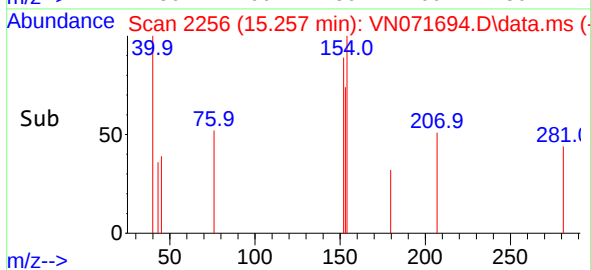
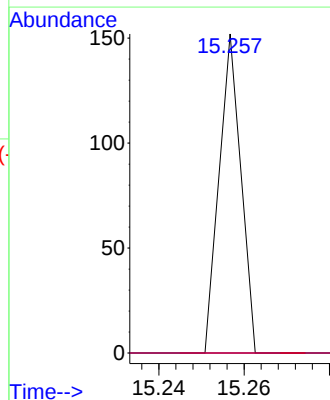
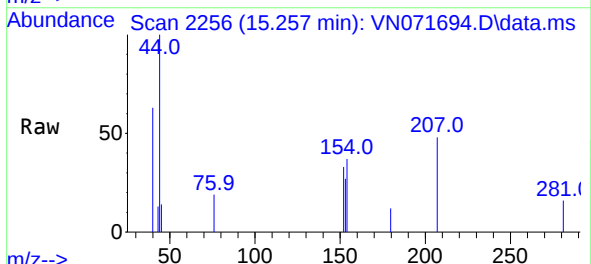
Instrument :
MSVOA_N
ClientSampleId :
PB143736ZHE#09

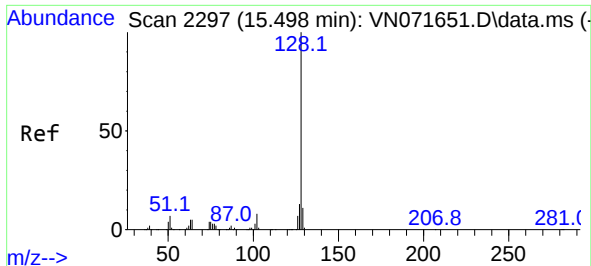
Tgt Ion: 75 Resp: 230768
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.094 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

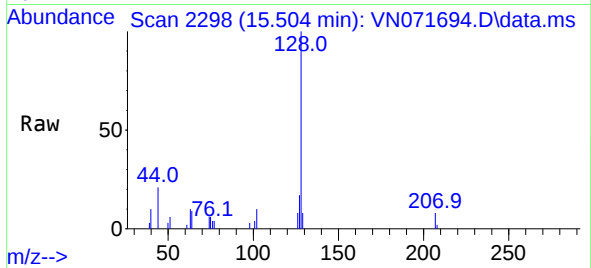
Tgt Ion:180 Resp: 54
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 14.5 43.5#





#95
Naphthalene
Concen: 4.482 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071694.D
Acq: 31 Mar 2022 06:09

Instrument :
MSVOA_N
ClientSampleId :
PB143736ZHE#09



Tgt Ion:	128	Resp:	13941
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	10.1	8.6	13.0

