

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032522\
 Data File : VN071543.D
 Acq On : 25 Mar 2022 13:28
 Operator : JC\MD
 Sample : PB143557ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143557ZHE#02

Quant Time: Mar 26 04:00:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

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

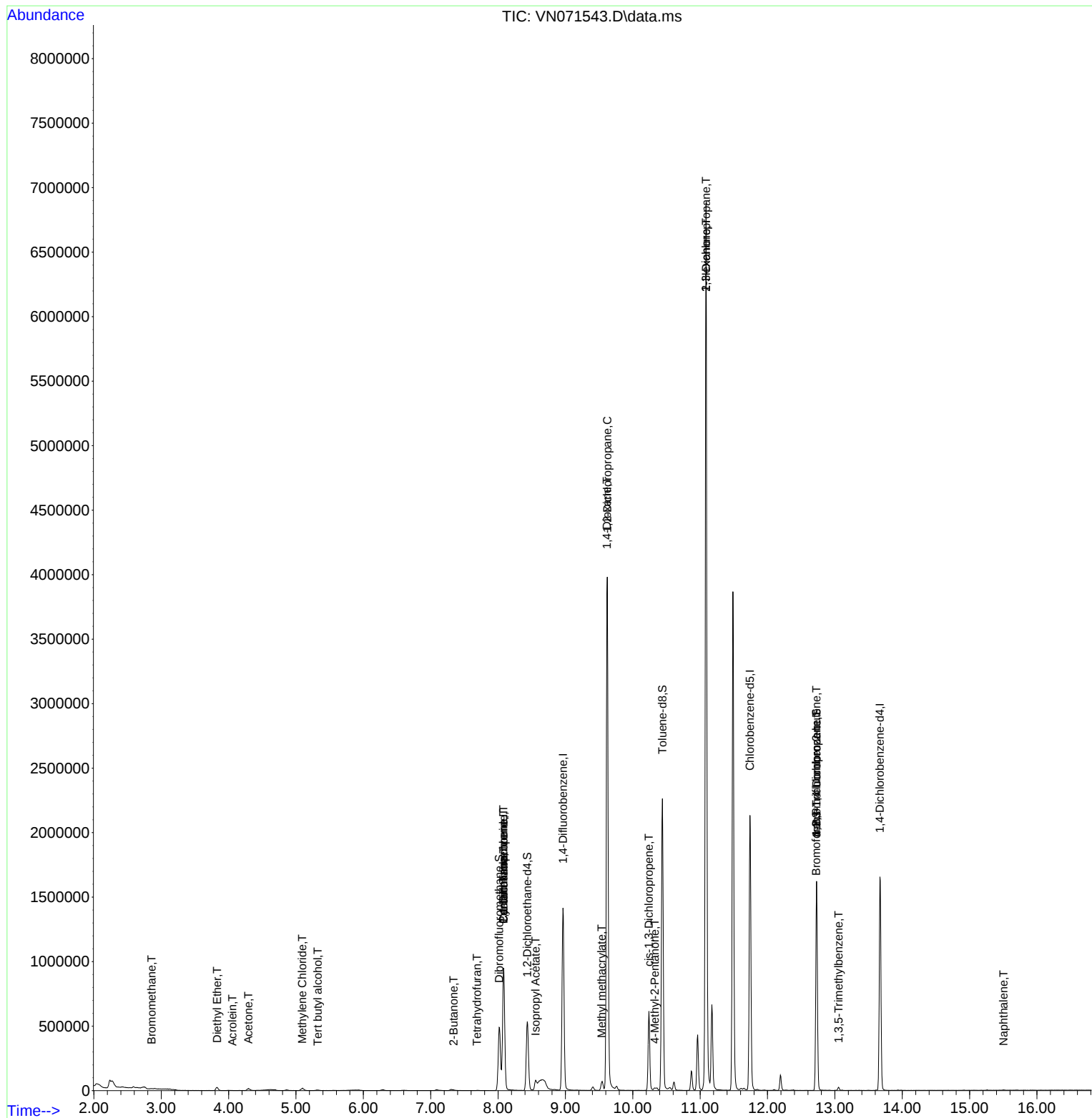
Internal Standards						
1) Pentafluorobenzene	8.080	168	764792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1308564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1293150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	485327	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	448579	47.210	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.420%		
35) Dibromofluoromethane	8.016	113	369774	44.963	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	89.920%		
50) Toluene-d8	10.439	98	1631502	49.184	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.360%		
62) 4-Bromofluorobenzene	12.727	95	555746	51.131	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.260%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	3330	Below Cal	#	79
5) Bromomethane	2.857	94	1495	0.263	ug/l	91
8) Diethyl Ether	3.828	74	14979	2.893	ug/l	95
11) Tert butyl alcohol	5.322	59	4384	2.476	ug/l #	72
13) Acrolein	4.057	56	520	0.384	ug/l #	64
16) Acetone	4.292	43	26664	6.846	ug/l	98
18) Methyl Acetate	4.863	43	10890	Below Cal		98
20) Methylene Chloride	5.092	84	14482	1.596	ug/l	97
25) 2-Butanone	7.339	43	6245	0.999	ug/l	96
29) Tetrahydrofuran	7.686	42	1165	0.280	ug/l	90
31) Cyclohexane	8.080	56	13391	0.985	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	54323	4.581	ug/l #	49
38) Carbon Tetrachloride	8.080	117	69302	5.996	ug/l #	16
43) Isopropyl Acetate	8.557	43	89296	3.947	ug/l #	84
45) 1,2-Dichloropropane	9.622	63	5521	0.604	ug/l #	44
48) Methyl methacrylate	9.539	41	17644	1.891	ug/l #	11
49) 1,4-Dioxane	9.616	88	571	2.652	ug/l #	1
51) 4-Methyl-2-Pentanone	10.327	43	9878	0.763	ug/l #	83
54) cis-1,3-Dichloropropene	10.239	75	119082	8.234	ug/l #	62
57) 1,3-Dichloropropane	11.086	76	76536	4.857	ug/l #	42
59) 2-Hexanone	11.086	43	990690	106.205	ug/l #	47
71) Bromoform	12.721	173	3132	0.410	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.851	83	72	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	276006	25.504	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	11643	0.345	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.727	75	276006	68.281	ug/l #	10
95) Naphthalene	15.504	128	3413	3.344	ug/l #	93

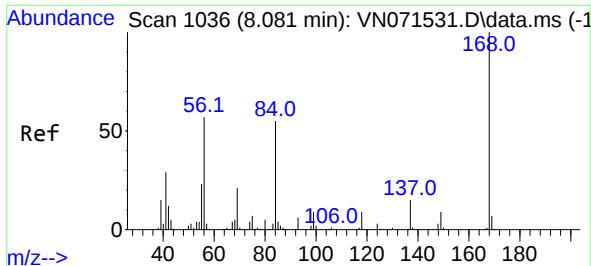
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032522\
Data File : VN071543.D
Acq On : 25 Mar 2022 13:28
Operator : JC\MD
Sample : PB143557ZHE#02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#02

Quant Time: Mar 26 04:00:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 25 09:52:40 2022
Response via : Initial Calibration

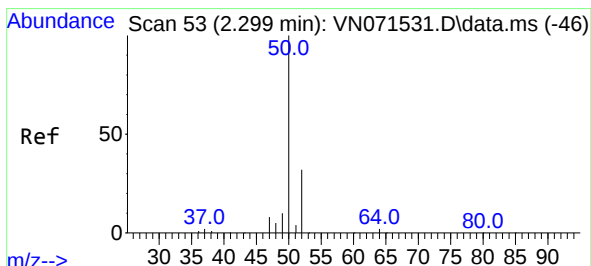
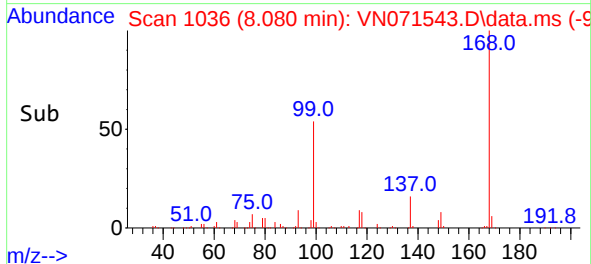
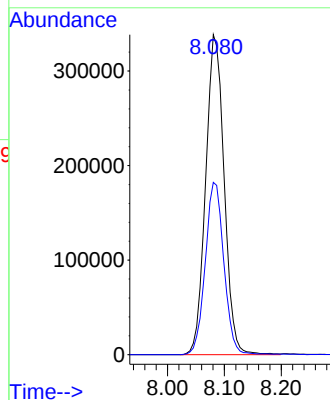
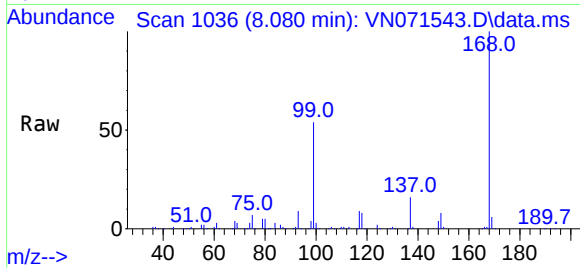




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

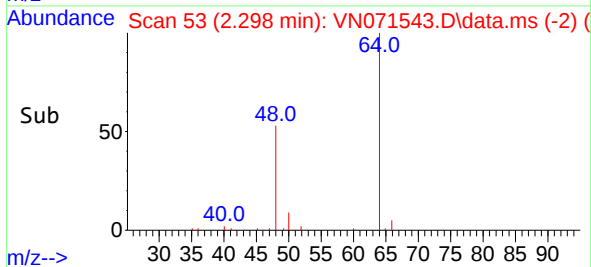
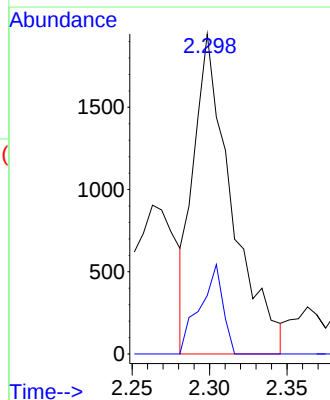
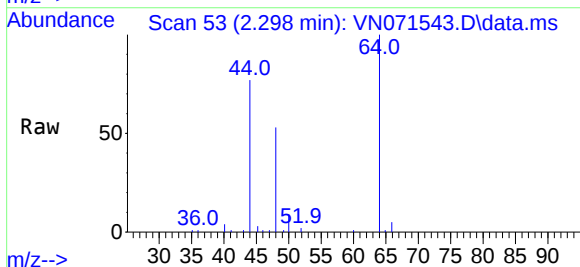
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#02

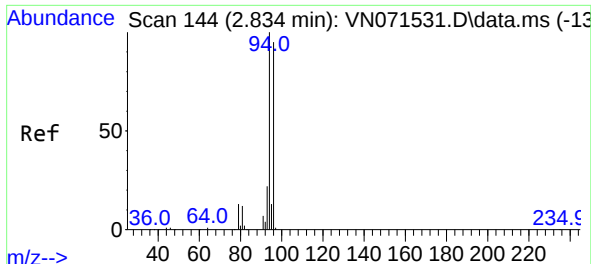
Tgt Ion:168 Resp: 764792
Ion Ratio Lower Upper
168 100
99 53.9 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

Tgt Ion: 50 Resp: 3330
Ion Ratio Lower Upper
50 100
52 20.2 25.7 38.5#

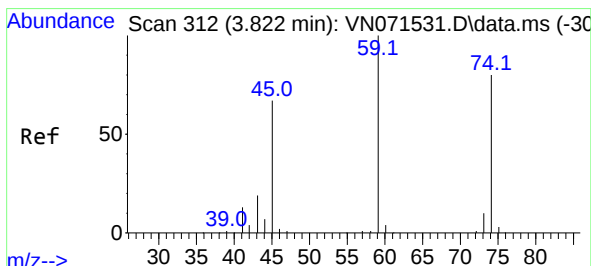
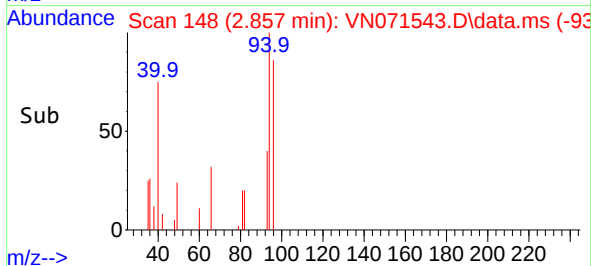
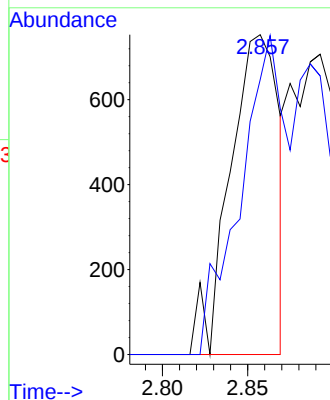
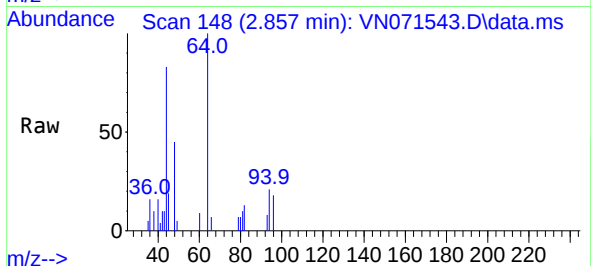




#5
Bromomethane
Concen: 0.263 ug/l
RT: 2.857 min Scan# 144
Delta R.T. 0.023 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

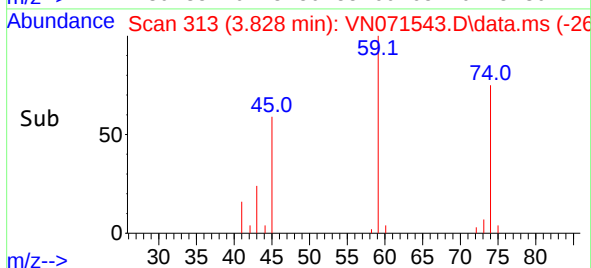
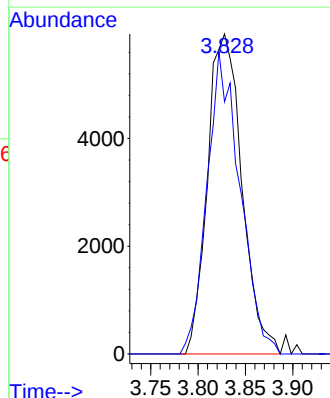
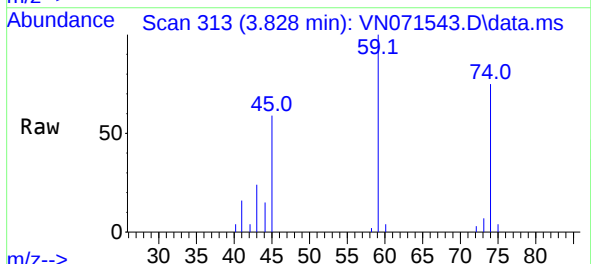
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#02

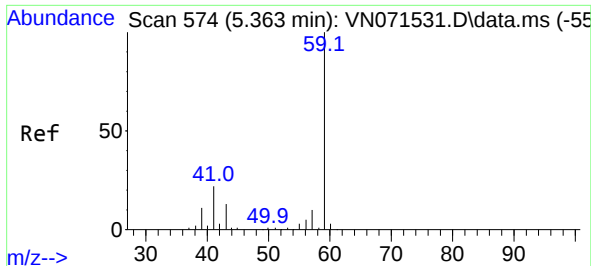
Tgt Ion: 94 Resp: 1495
Ion Ratio Lower Upper
94 100
96 85.9 76.0 114.0



#8
Diethyl Ether
Concen: 2.893 ug/l
RT: 3.828 min Scan# 313
Delta R.T. 0.006 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

Tgt Ion: 74 Resp: 14979
Ion Ratio Lower Upper
74 100
45 90.6 42.9 128.5

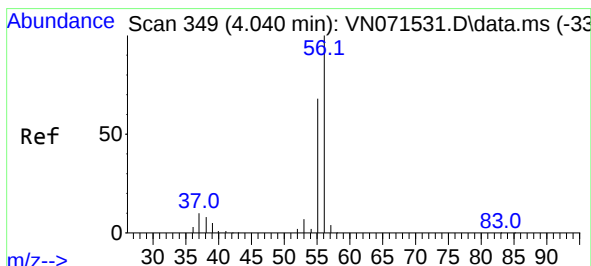
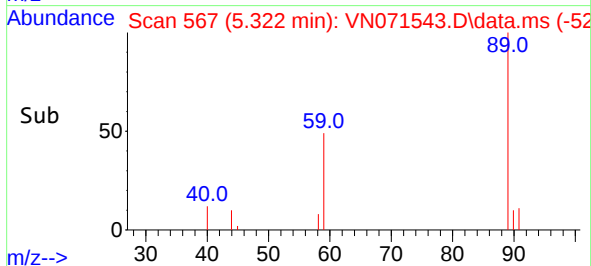
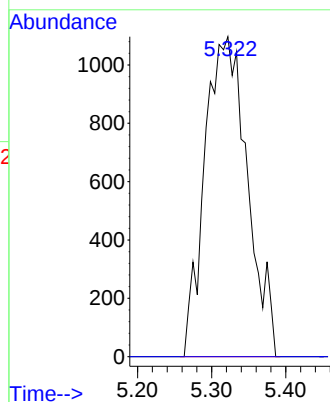
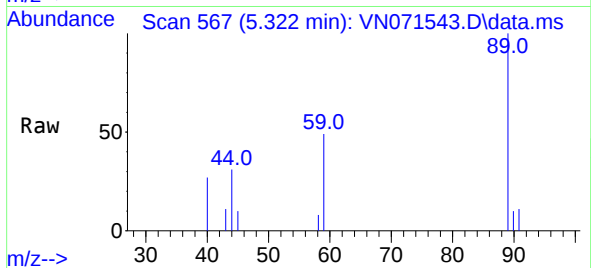




#11
Tert butyl alcohol
Concen: 2.476 ug/l
RT: 5.322 min Scan# 50
Delta R.T. -0.041 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

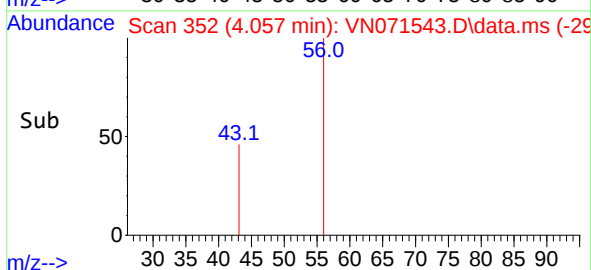
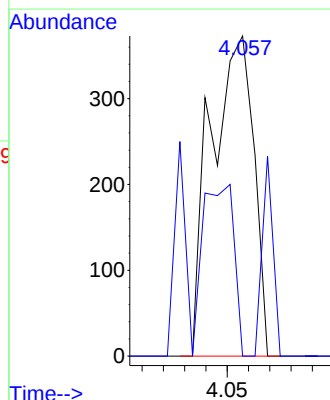
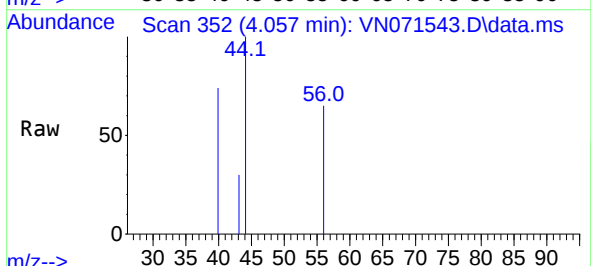
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#02

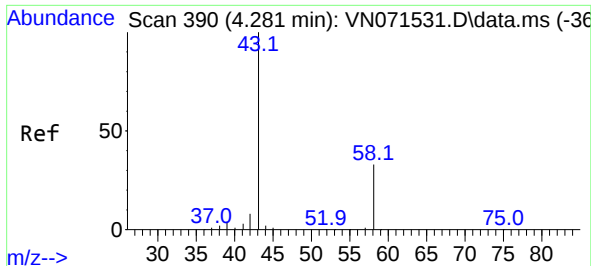
Tgt Ion: 59 Resp: 4384
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.384 ug/l
RT: 4.057 min Scan# 352
Delta R.T. 0.017 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

Tgt Ion: 56 Resp: 520
Ion Ratio Lower Upper
56 100
55 39.2 54.8 82.2#

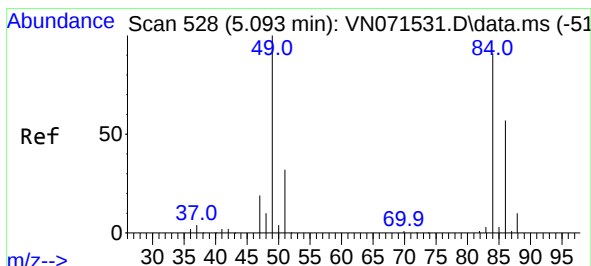
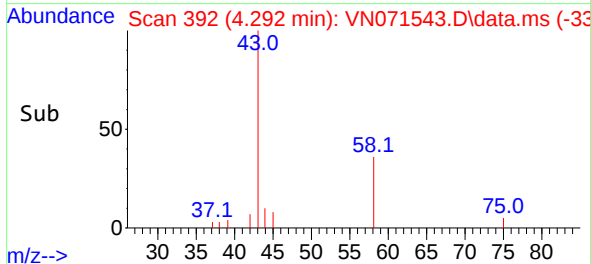
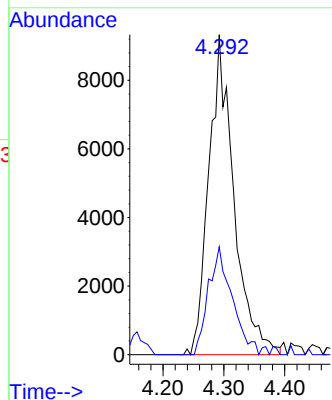
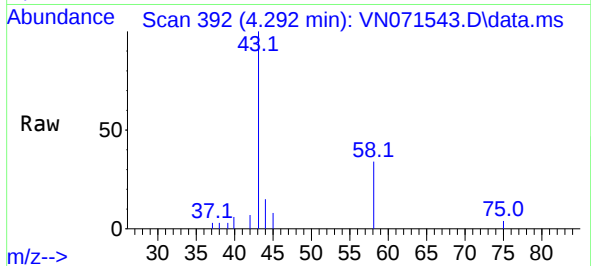




#16
Acetone
Concen: 6.846 ug/l
RT: 4.292 min Scan# 390
Delta R.T. 0.011 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

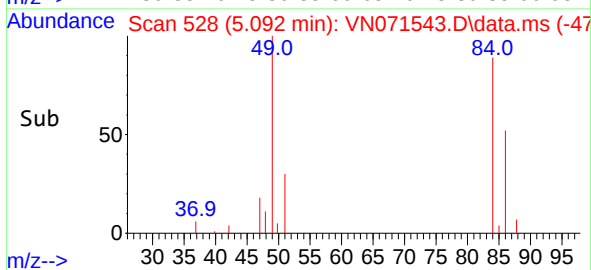
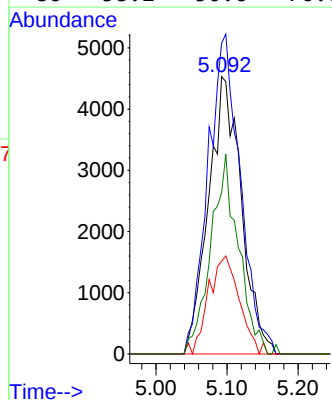
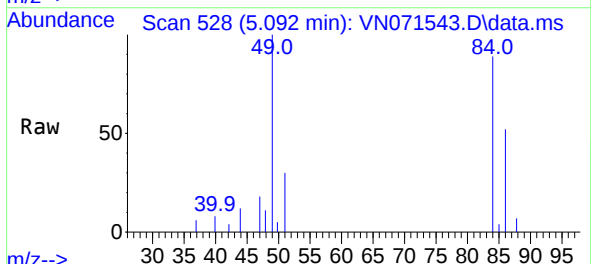
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#02

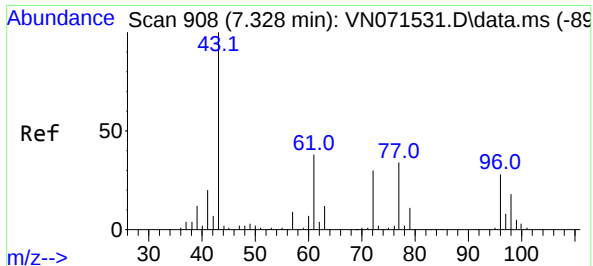
Tgt Ion: 43 Resp: 26664
Ion Ratio Lower Upper
43 100
58 33.7 26.0 39.0



#20
Methylene Chloride
Concen: 1.596 ug/l
RT: 5.092 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

Tgt Ion: 84 Resp: 14482
Ion Ratio Lower Upper
84 100
49 112.1 88.3 132.5
51 33.5 28.2 42.2
86 58.2 50.6 76.0





#25

2-Butanone

Concen: 0.999 ug/l

RT: 7.339 min Scan# 910

Delta R.T. 0.012 min

Lab File: VN071543.D

Acq: 25 Mar 2022 13:28

Instrument :

MSVOA_N

ClientSampleId :

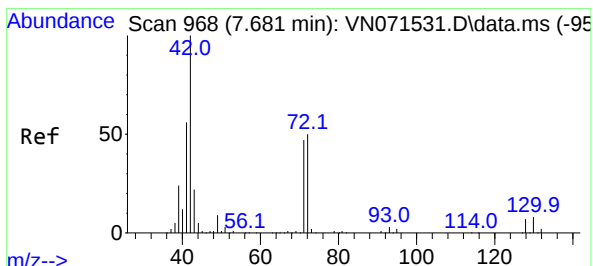
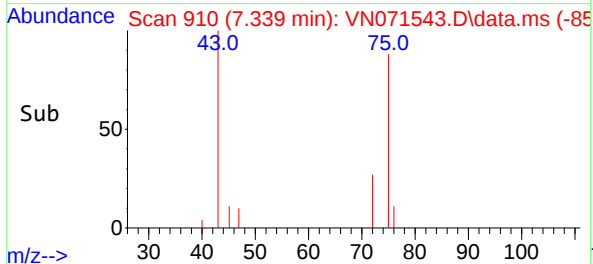
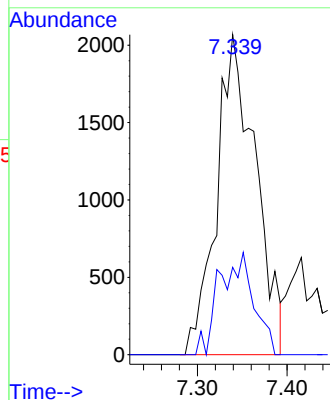
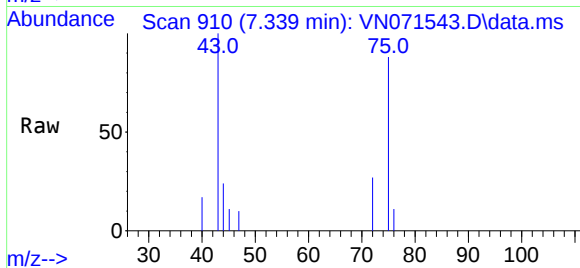
PB143557ZHE#02

Tgt Ion: 43 Resp: 6245

Ion Ratio Lower Upper

43 100

72 27.3 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.280 ug/l

RT: 7.686 min Scan# 969

Delta R.T. 0.006 min

Lab File: VN071543.D

Acq: 25 Mar 2022 13:28

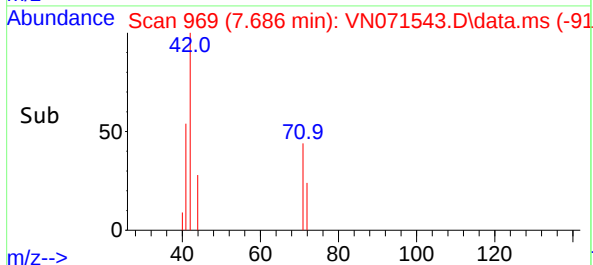
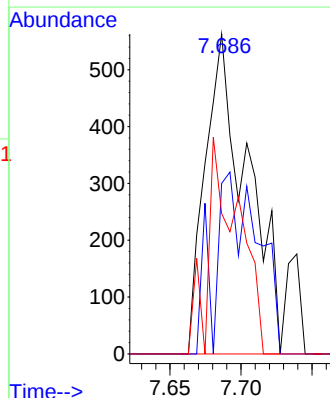
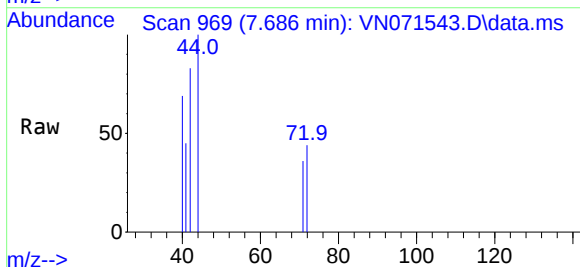
Tgt Ion: 42 Resp: 1165

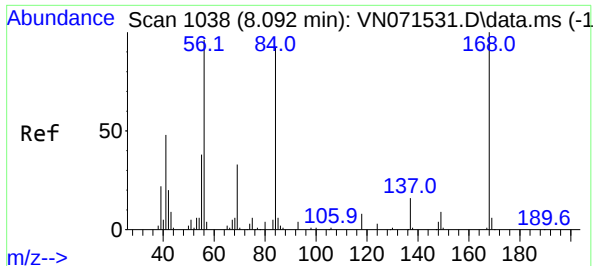
Ion Ratio Lower Upper

42 100

72 58.6 39.7 59.5

71 49.7 36.6 55.0

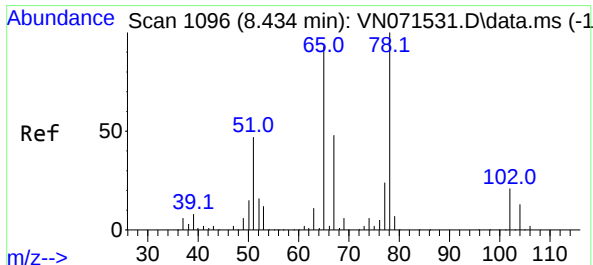
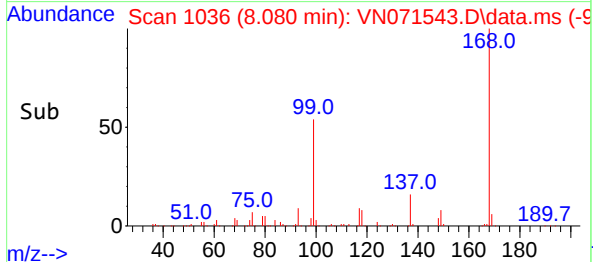
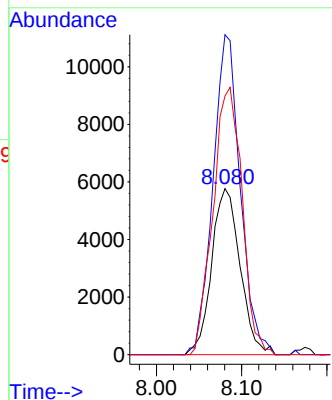
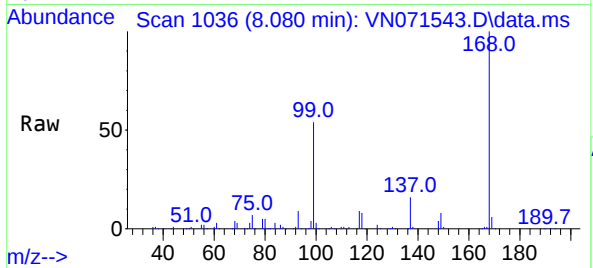




#31
Cyclohexane
Concen: 0.985 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

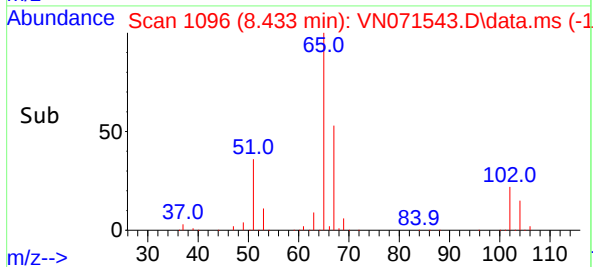
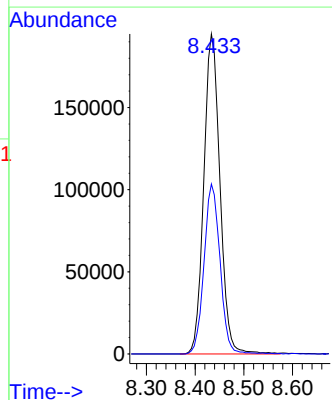
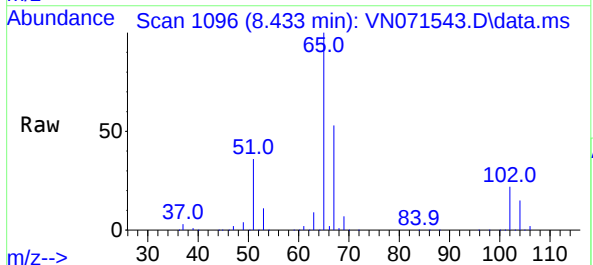
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#02

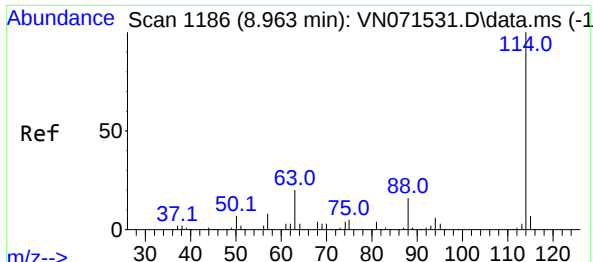
Tgt Ion: 56 Resp: 13391
Ion Ratio Lower Upper
56 100
69 192.6 27.8 41.8#
84 155.7 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.210 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

Tgt Ion: 65 Resp: 448579
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8

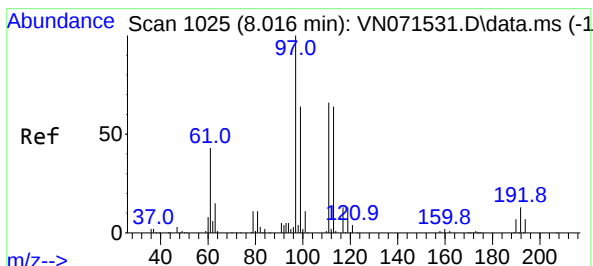
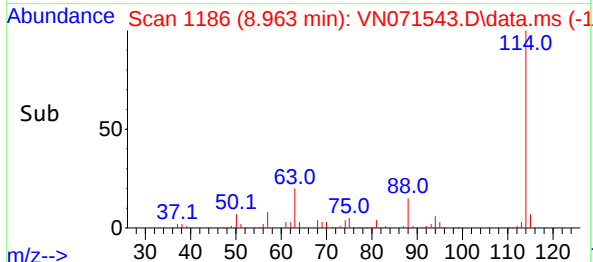
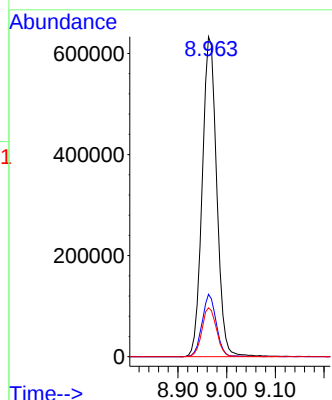
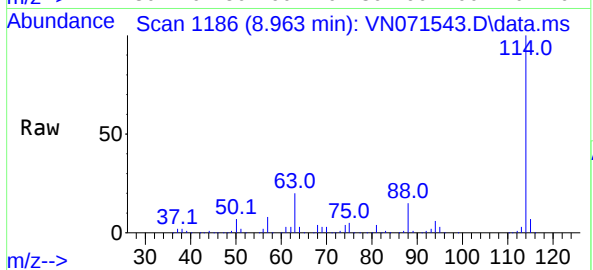




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

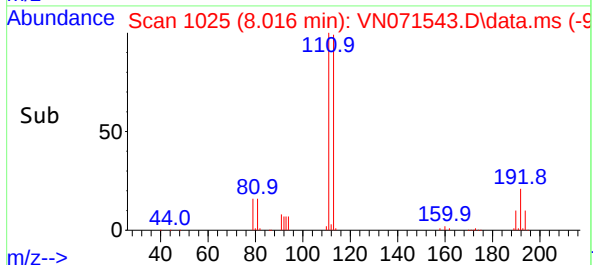
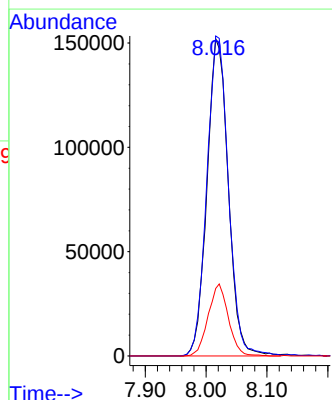
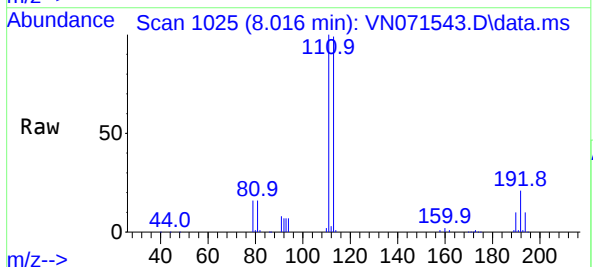
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#02

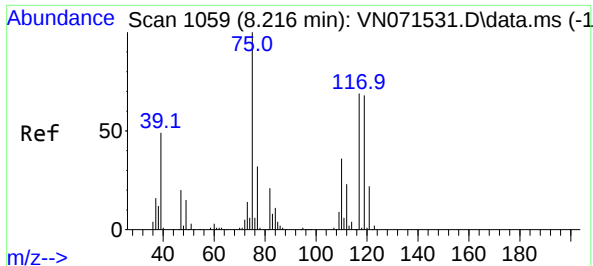
Tgt Ion:114 Resp: 1308564
Ion Ratio Lower Upper
114 100
63 19.5 0.0 40.0
88 15.3 0.0 32.6



#35
Dibromofluoromethane
Concen: 44.963 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

Tgt Ion:113 Resp: 369774
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 21.6 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.581 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071543.D

Acq: 25 Mar 2022 13:28

Instrument :

MSVOA_N

ClientSampleId :

PB143557ZHE#02

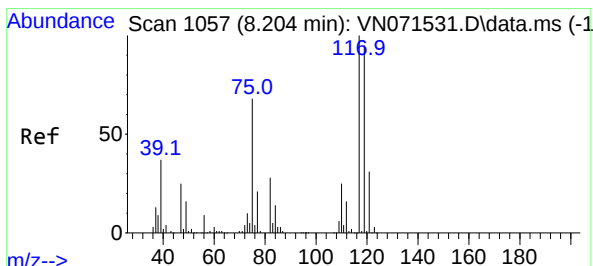
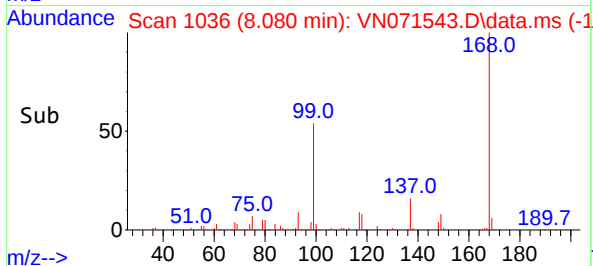
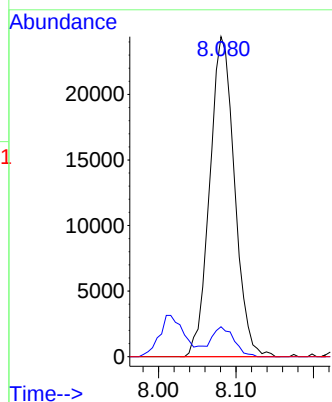
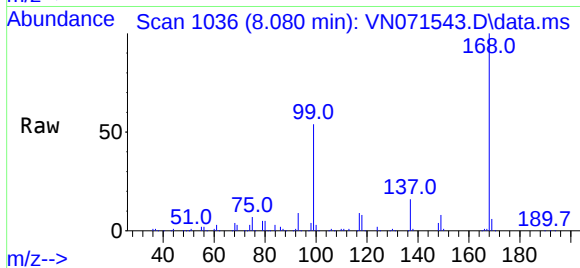
Tgt Ion: 75 Resp: 54323

Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.996 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.124 min

Lab File: VN071543.D

Acq: 25 Mar 2022 13:28

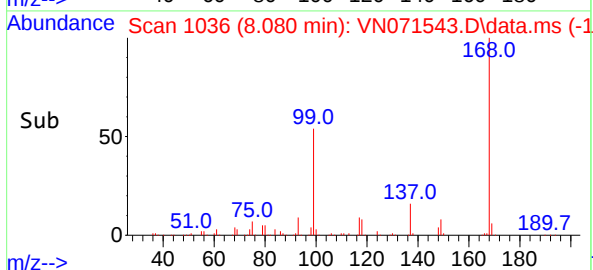
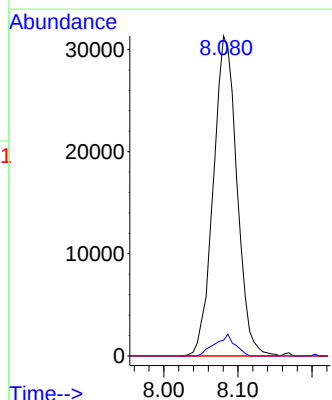
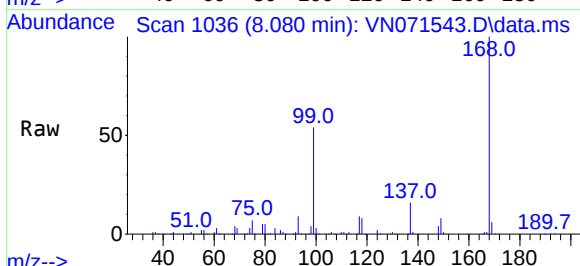
Tgt Ion: 117 Resp: 69302

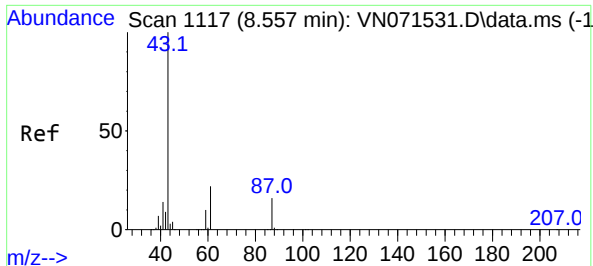
Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

121 0.0 24.6 37.0#

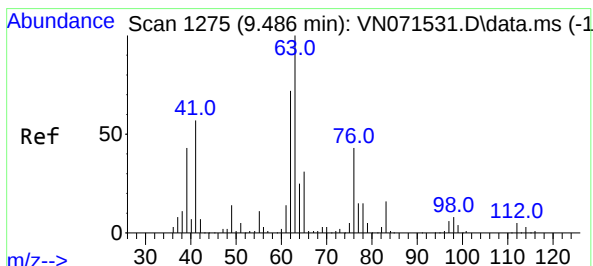
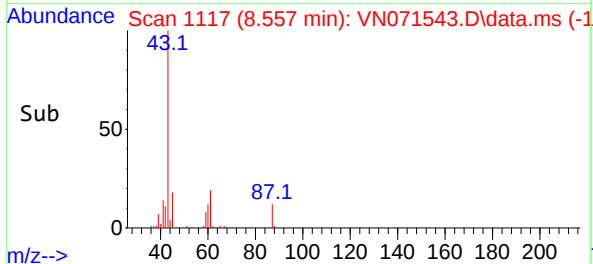
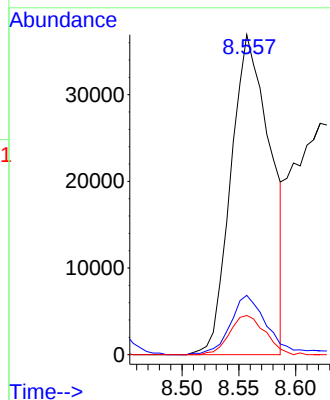
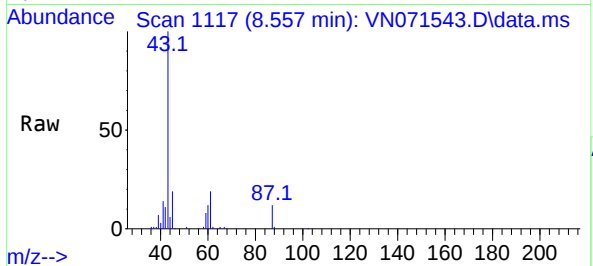




#43
Isopropyl Acetate
Concen: 3.947 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

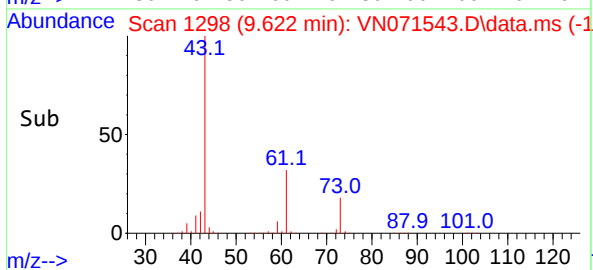
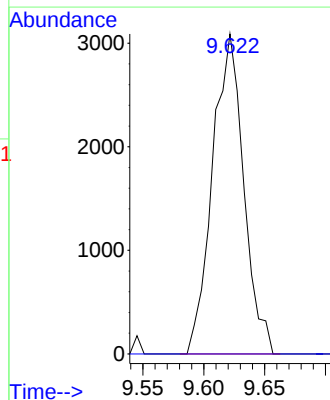
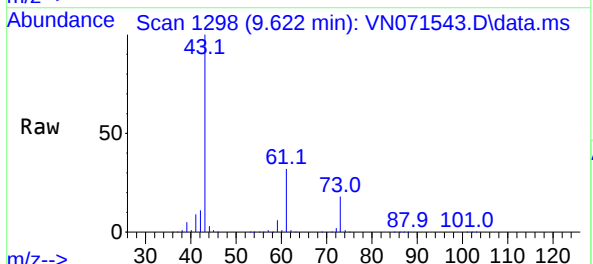
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#02

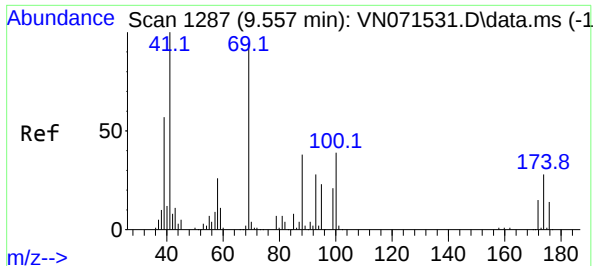
Tgt Ion: 43 Resp: 89296
Ion Ratio Lower Upper
43 100
61 17.4 21.9 32.9#
87 11.0 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.604 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.135 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

Tgt Ion: 63 Resp: 5521
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 1.891 ug/l

RT: 9.539 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN071543.D

Acq: 25 Mar 2022 13:28

Instrument :

MSVOA_N

ClientSampleId :

PB143557ZHE#02

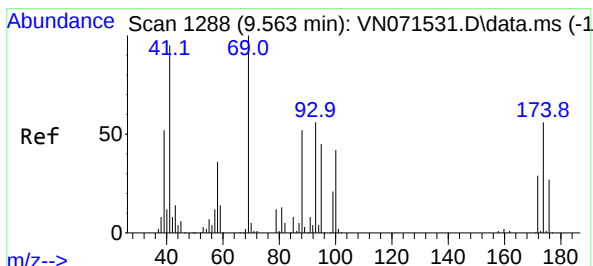
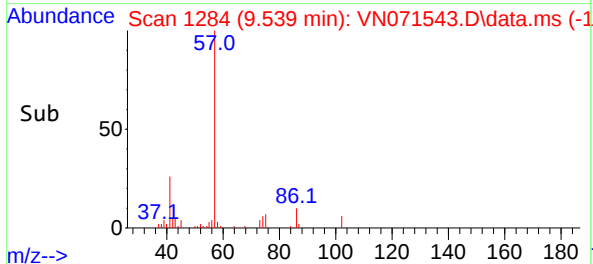
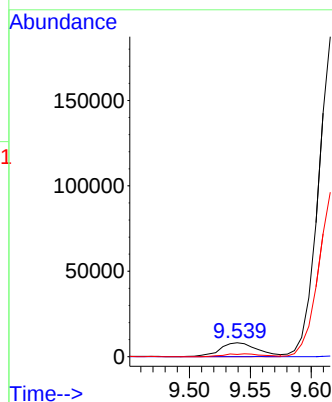
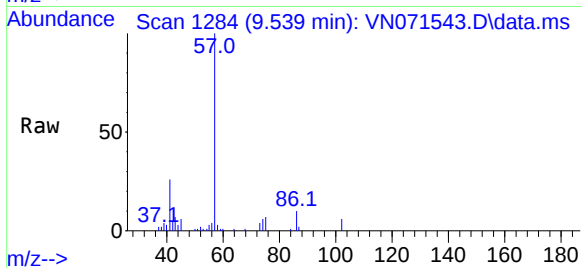
Tgt Ion: 41 Resp: 17644

Ion Ratio Lower Upper

41 100

69 0.5 74.7 112.1#

39 0.0 45.6 68.4#



#49

1,4-Dioxane

Concen: 2.652 ug/l

RT: 9.616 min Scan# 1297

Delta R.T. 0.053 min

Lab File: VN071543.D

Acq: 25 Mar 2022 13:28

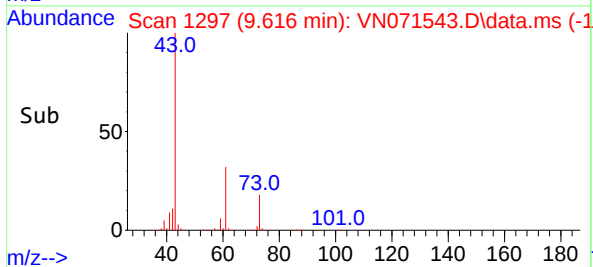
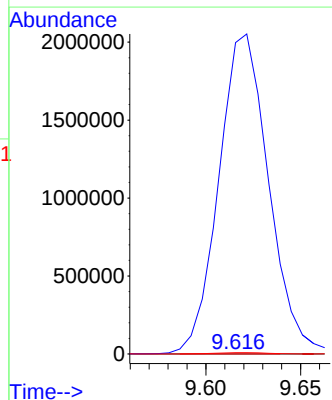
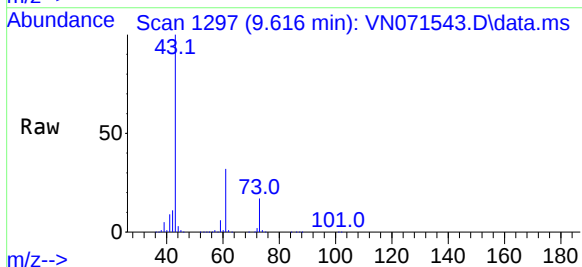
Tgt Ion: 88 Resp: 571

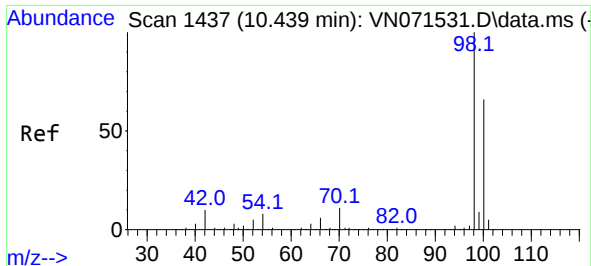
Ion Ratio Lower Upper

88 100

43 669817.7 20.2 30.4#

58 2977.4 54.2 81.4#

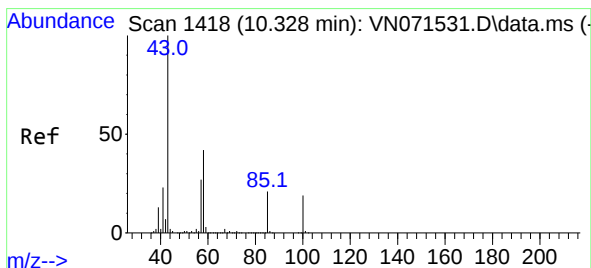
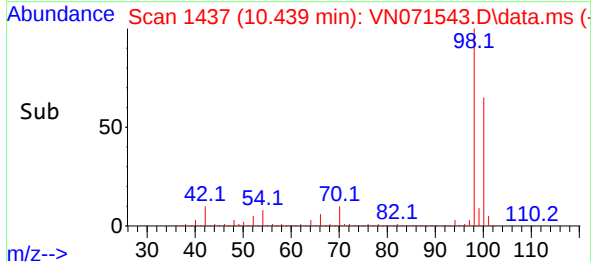
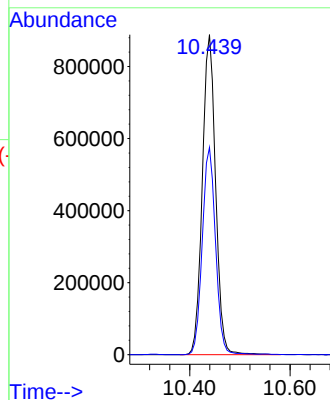
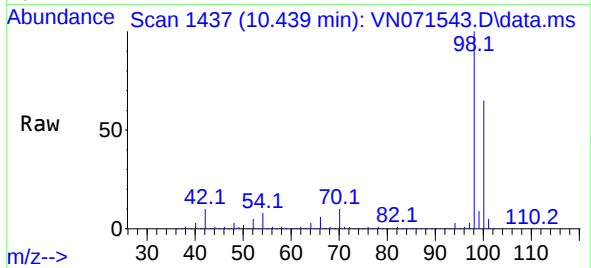




#50
Toluene-d8
Concen: 49.184 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

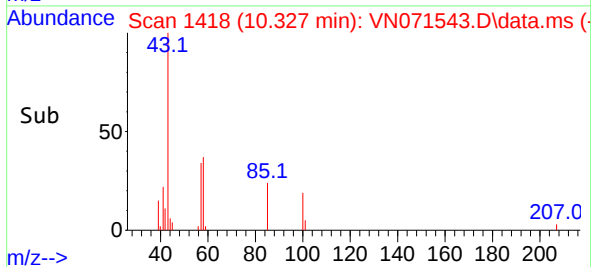
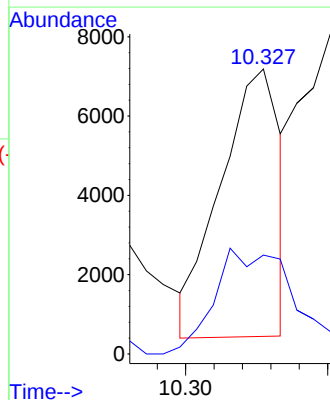
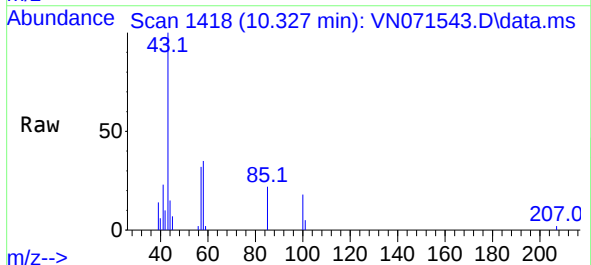
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#02

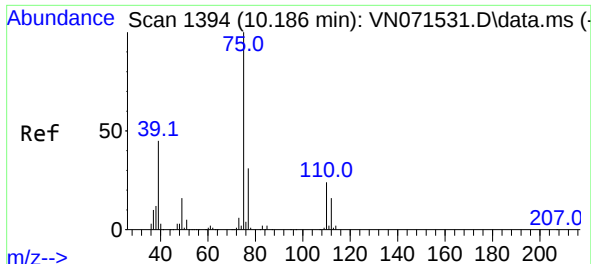
Tgt Ion: 98 Resp: 1631502
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.763 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

Tgt Ion: 43 Resp: 9878
Ion Ratio Lower Upper
43 100
58 53.5 34.1 51.1#

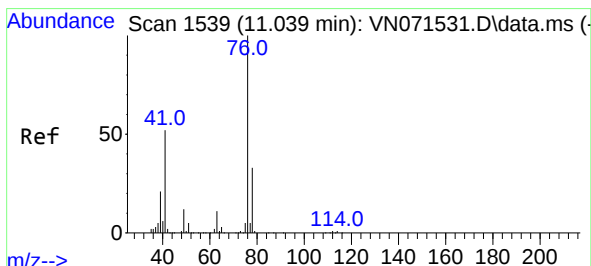
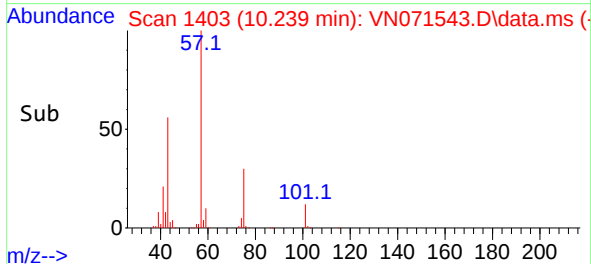
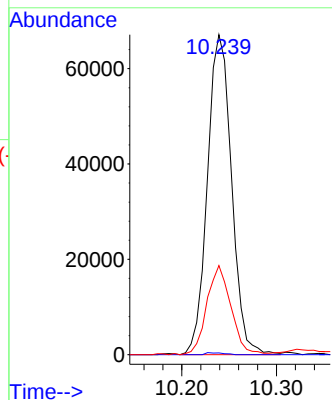
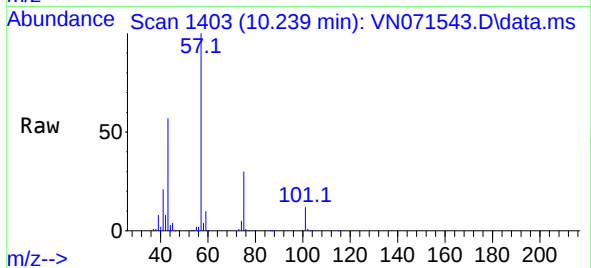




#54
 cis-1,3-Dichloropropene
 Concen: 8.234 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN071543.D
 Acq: 25 Mar 2022 13:28

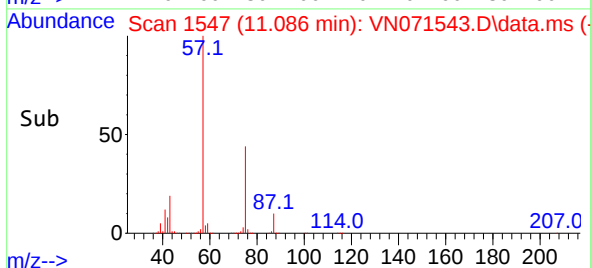
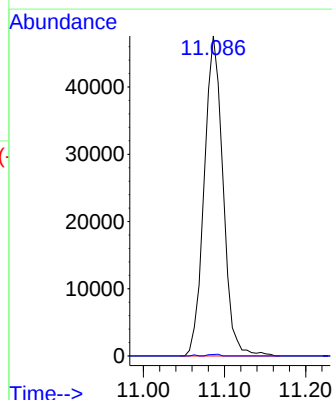
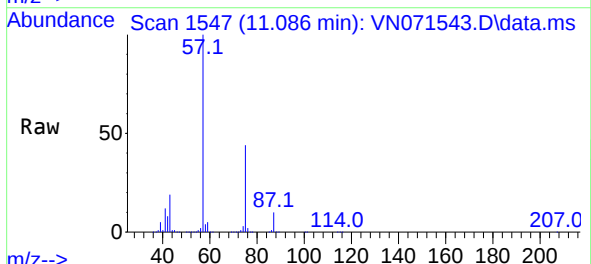
Instrument :
 MSVOA_N
 ClientSampleId :
 PB143557ZHE#02

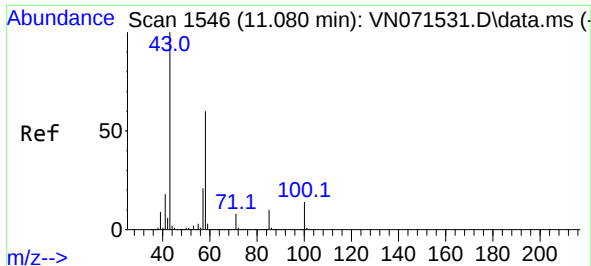
Tgt Ion: 75 Resp: 119082
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 27.9 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 4.857 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071543.D
 Acq: 25 Mar 2022 13:28

Tgt Ion: 76 Resp: 76536
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.2 39.2#

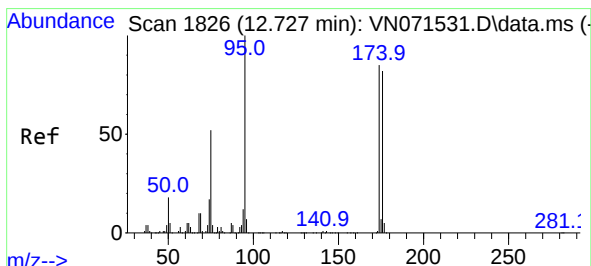
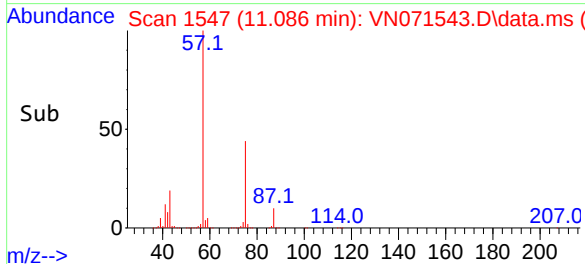
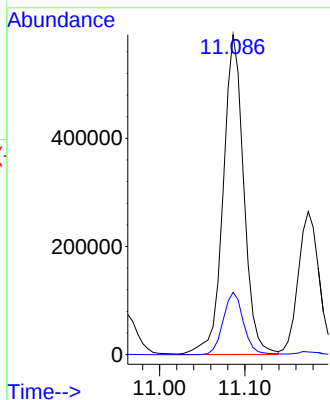
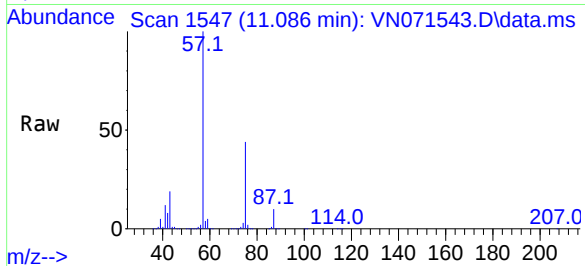




#59
2-Hexanone
Concen: 106.205 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.006 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

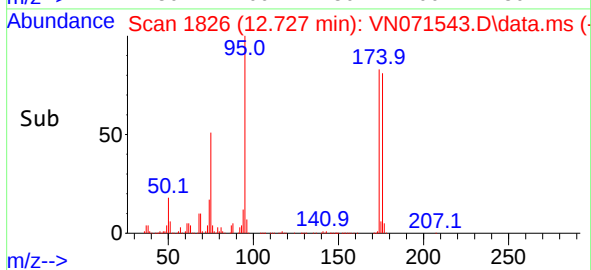
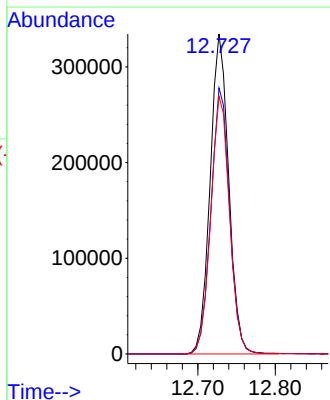
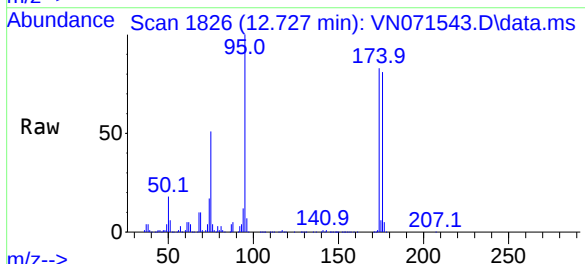
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#02

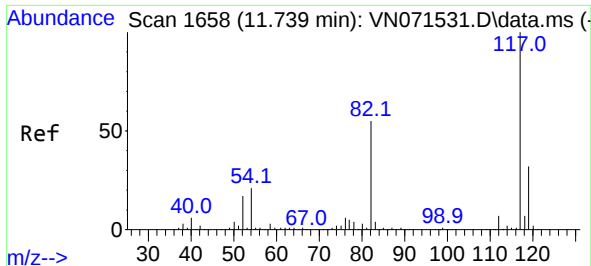
Tgt Ion: 43 Resp: 990690
Ion Ratio Lower Upper
43 100
58 19.2 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 51.131 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

Tgt Ion: 95 Resp: 555746
Ion Ratio Lower Upper
95 100
174 83.7 0.0 167.6
176 81.6 0.0 163.4

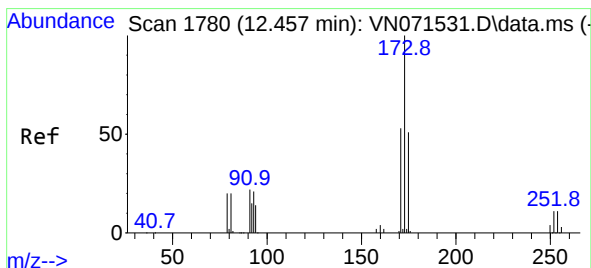
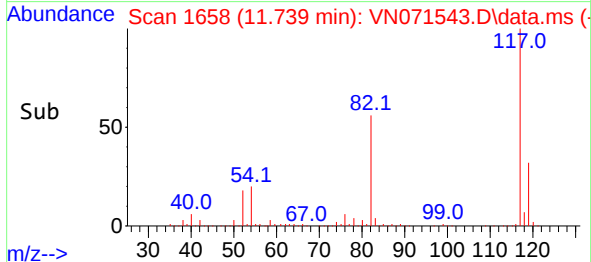
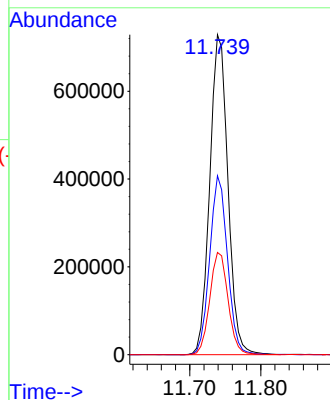
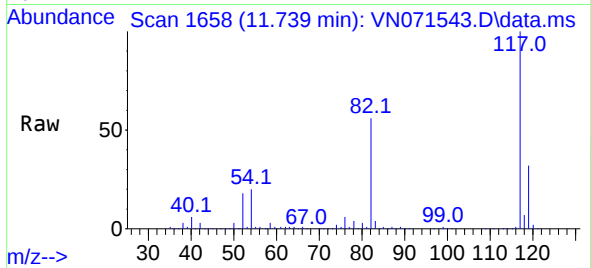




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

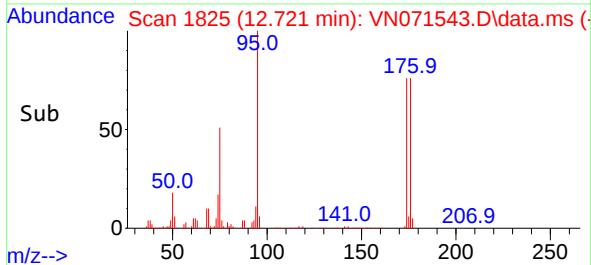
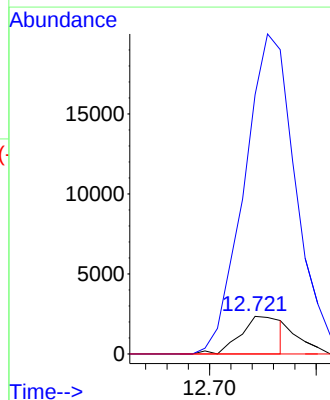
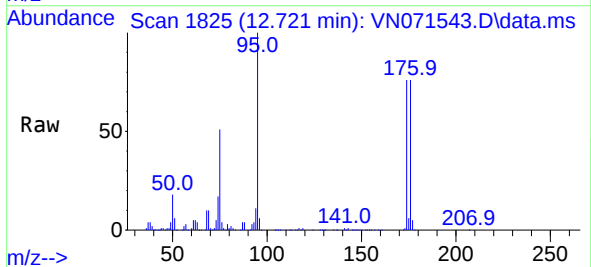
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#02

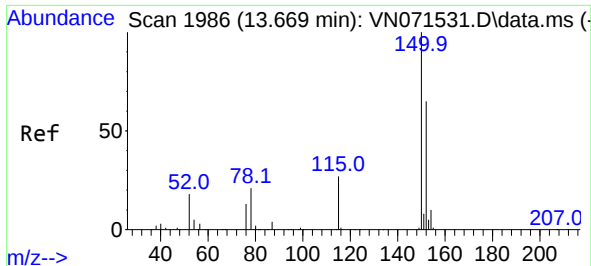
Tgt Ion:117 Resp: 1293150
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.2
119 32.0 25.4 38.0



#71
Bromoform
Concen: 0.410 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

Tgt Ion:173 Resp: 3132
Ion Ratio Lower Upper
173 100
175 816.7 24.6 73.6#
254 0.0 0.1 0.1#

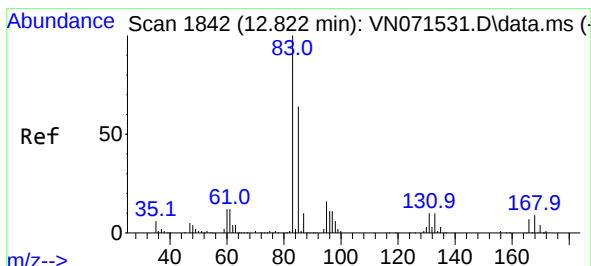
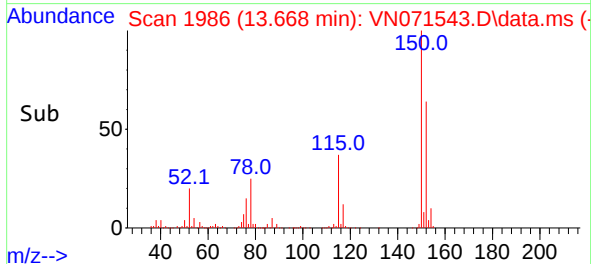
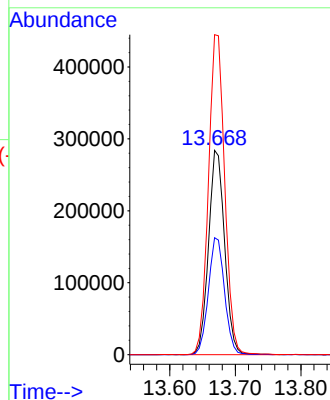
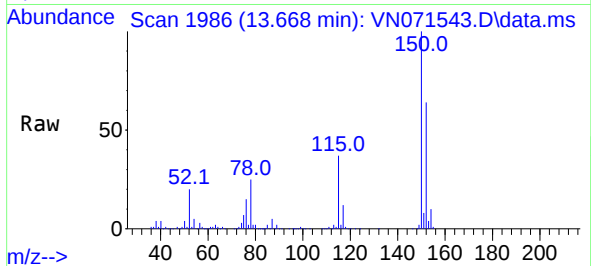




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN071543.D
 Acq: 25 Mar 2022 13:28

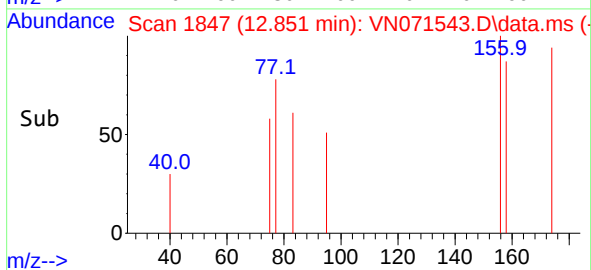
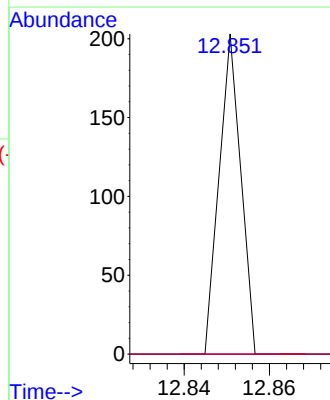
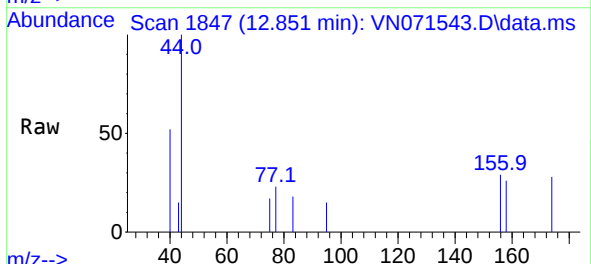
Instrument :
 MSVOA_N
 ClientSampleId :
 PB143557ZHE#02

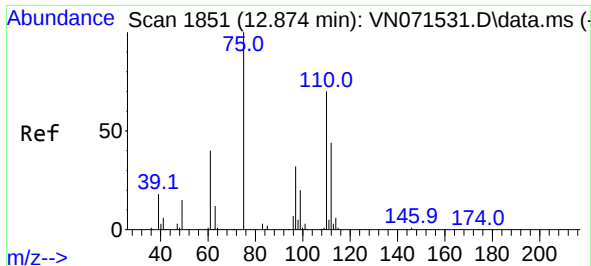
Tgt Ion:152 Resp: 485327
 Ion Ratio Lower Upper
 152 100
 115 57.6 28.9 86.7
 150 158.4 0.0 356.2



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.851 min Scan# 1847
 Delta R.T. 0.029 min
 Lab File: VN071543.D
 Acq: 25 Mar 2022 13:28

Tgt Ion: 83 Resp: 72
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.3 15.9#
 85 0.0 32.3 96.9#

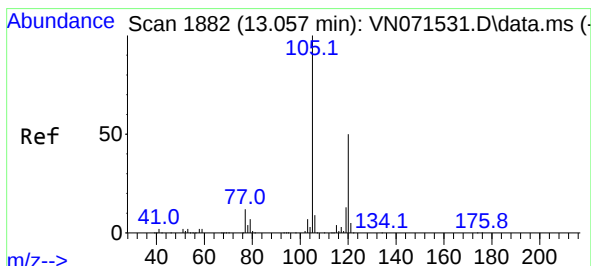
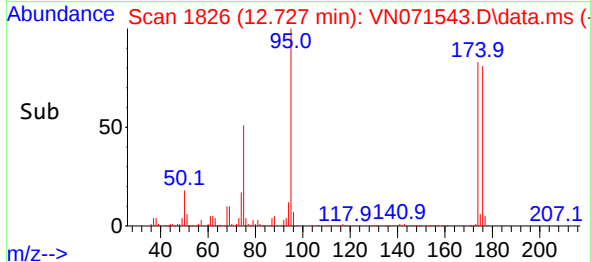
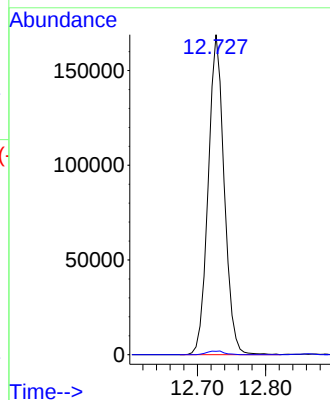
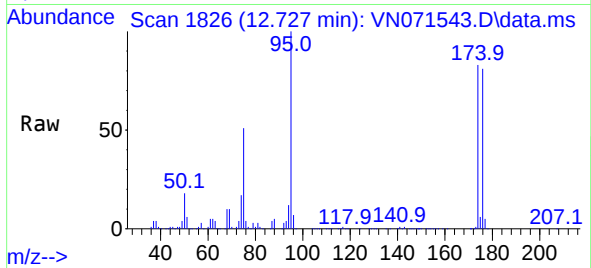




#76
1,2,3-Trichloropropane
Concen: 25.504 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

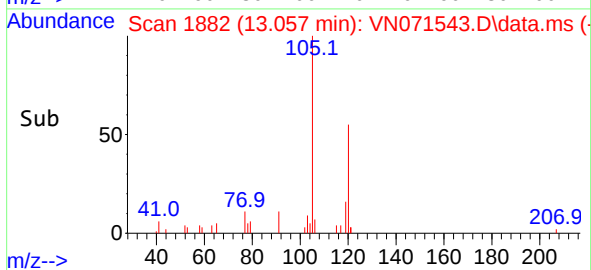
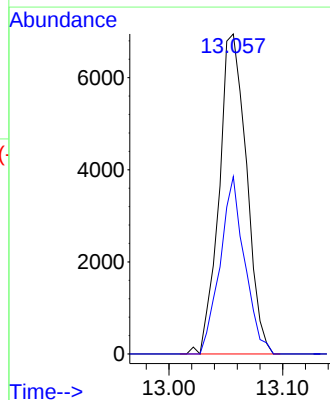
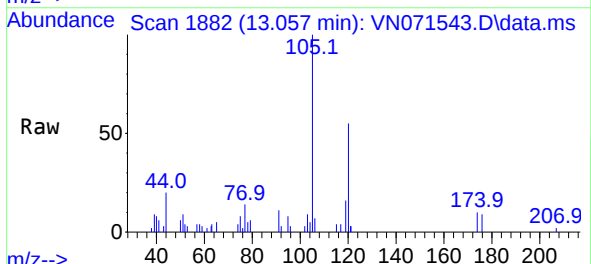
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#02

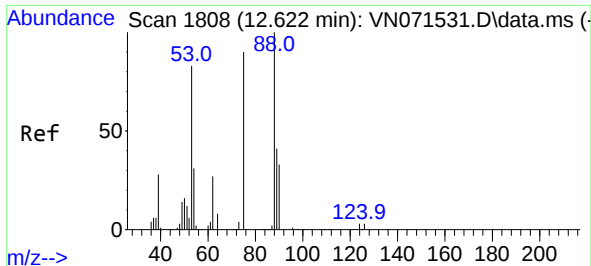
Tgt Ion: 75 Resp: 276006
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.345 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

Tgt Ion: 105 Resp: 11643
Ion Ratio Lower Upper
105 100
120 49.8 24.9 74.7

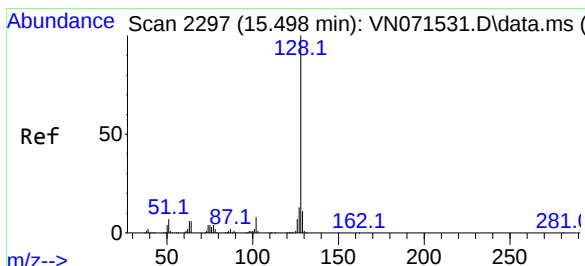
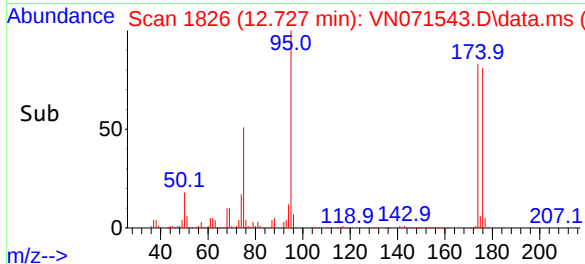
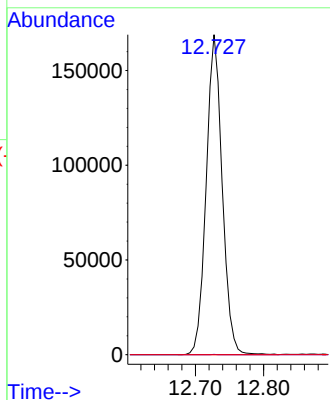
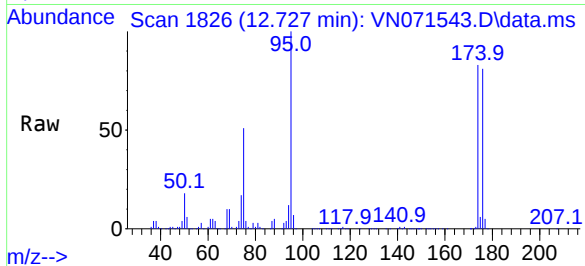




#81
trans-1,4-Dichloro-2-butene
Concen: 68.281 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#02

Tgt Ion: 75 Resp: 276006
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.344 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071543.D
Acq: 25 Mar 2022 13:28

Tgt Ion:128 Resp: 3413
Ion Ratio Lower Upper
128 100
127 11.9 10.3 15.5
129 6.4 8.6 13.0#

