

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071583.D
 Acq On : 26 Mar 2022 19:26
 Operator : JC\MD
 Sample : PB143590TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143590TB

Quant Time: Mar 28 02:20:39 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)

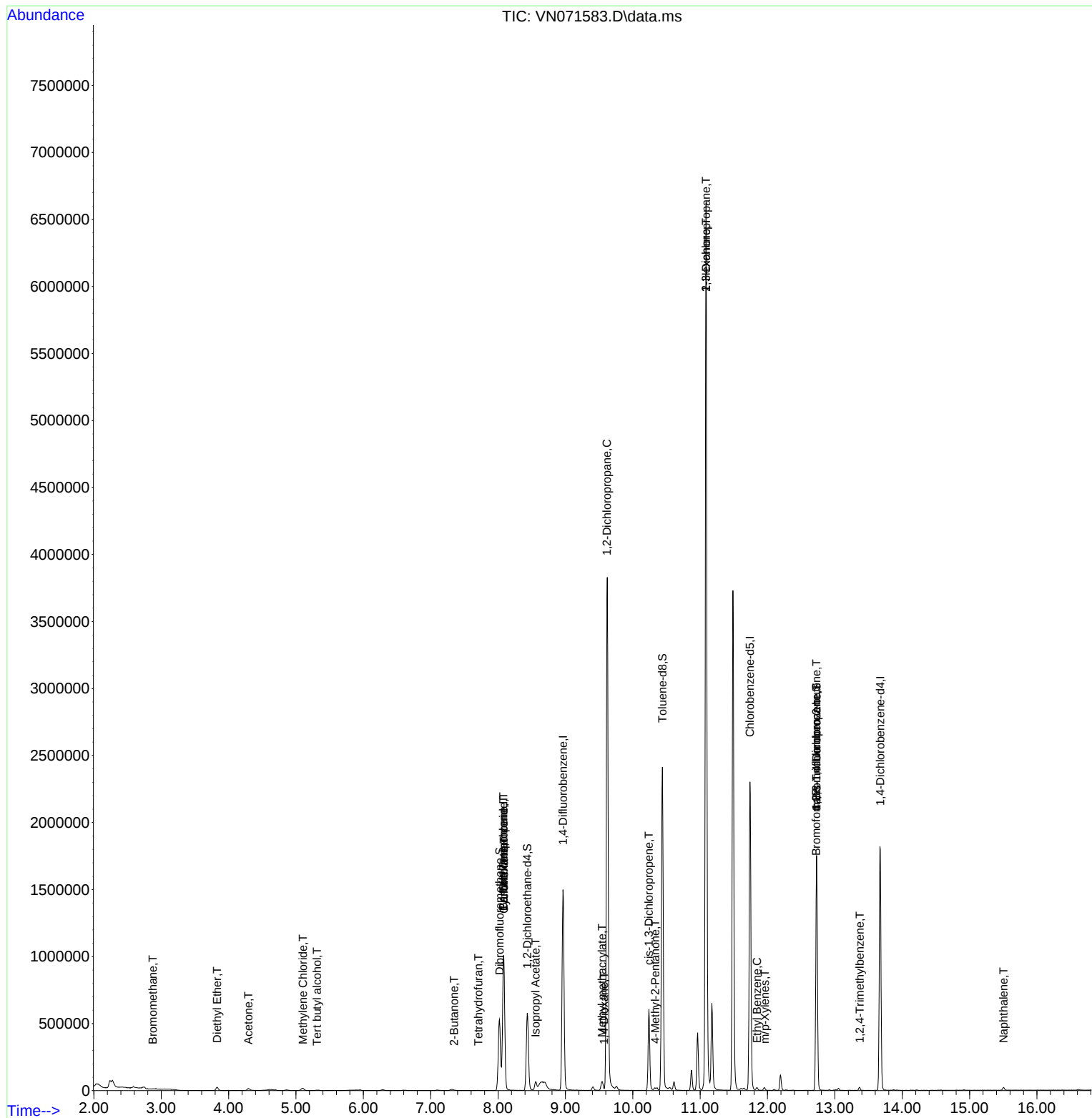
Internal Standards						
1) Pentafluorobenzene	8.080	168	826336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1393124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1411886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	538758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	484946	47.236	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.480%		
35) Dibromofluoromethane	8.022	113	394985	45.114	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.220%		
50) Toluene-d8	10.439	98	1745080	49.415	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.820%		
62) 4-Bromofluorobenzene	12.727	95	606309	52.397	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.800%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	3728	Below Cal	#	83
5) Bromomethane	2.875	94	2005	0.327	ug/l #	34
8) Diethyl Ether	3.828	74	15213	2.719	ug/l	98
11) Tert butyl alcohol	5.310	59	1812	0.947	ug/l #	72
16) Acetone	4.292	43	26550	6.309	ug/l	95
18) Methyl Acetate	4.857	43	9647	Below Cal		91
20) Methylene Chloride	5.104	84	13643	1.391	ug/l #	86
25) 2-Butanone	7.345	43	5346	0.792	ug/l	95
29) Tetrahydrofuran	7.710	42	1251	0.279	ug/l #	45
31) Cyclohexane	8.086	56	14905	1.015	ug/l #	26
36) 1,1-Dichloropropene	8.080	75	57437	4.550	ug/l #	49
38) Carbon Tetrachloride	8.080	117	74226	6.032	ug/l #	16
43) Isopropyl Acetate	8.557	43	74863	3.021	ug/l #	88
45) 1,2-Dichloropropane	9.616	63	5615	0.577	ug/l #	44
48) Methyl methacrylate	9.545	41	16692	1.680	ug/l #	10
49) 1,4-Dioxane	9.574	88	113	0.493	ug/l #	25
51) 4-Methyl-2-Pentanone	10.333	43	12797	0.929	ug/l	91
54) cis-1,3-Dichloropropene	10.239	75	117264	7.616	ug/l #	63
57) 1,3-Dichloropropane	11.086	76	75324	4.490	ug/l #	42
59) 2-Hexanone	11.086	43	959005	96.568	ug/l #	47
67) Ethyl Benzene	11.845	91	11493	0.223	ug/l	98
68) m/p-Xylenes	11.963	106	6730	0.342	ug/l	93
71) Bromoform	12.721	173	2439	0.293	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.733	83	247	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	306568	25.518	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	306568	68.320	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.368	105	14328	0.396	ug/l	96
95) Naphthalene	15.504	128	20416	3.911	ug/l	99

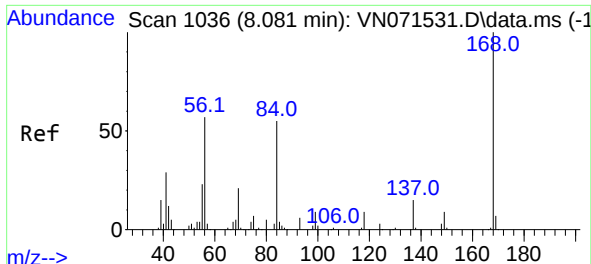
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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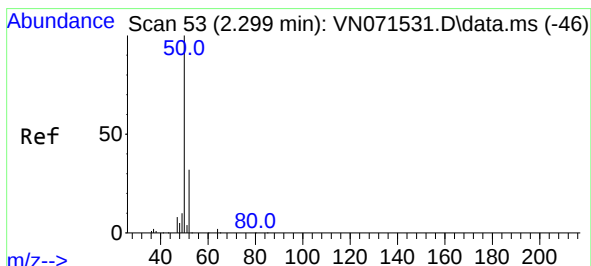
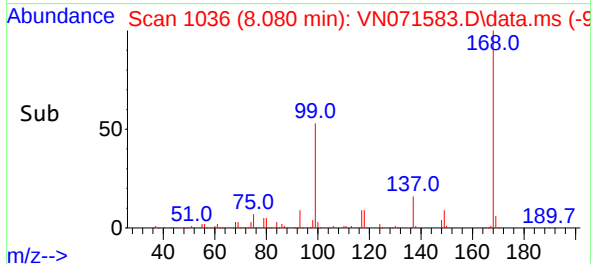
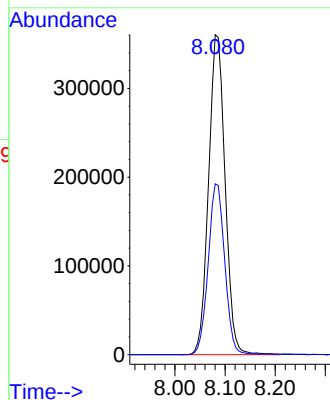
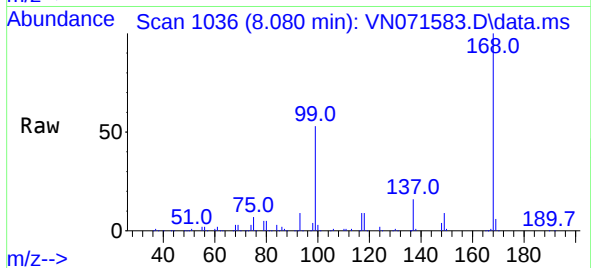




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

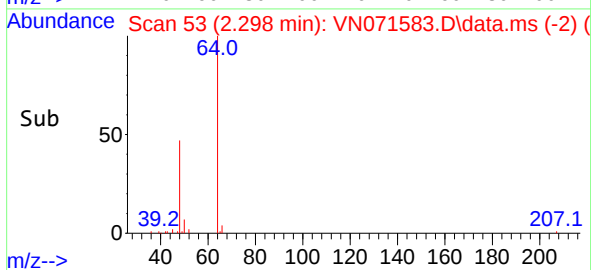
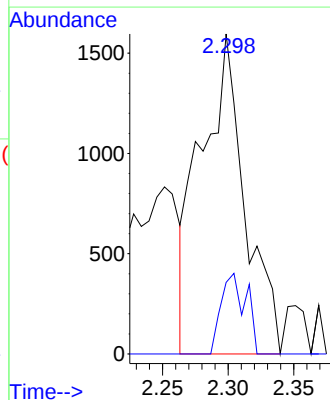
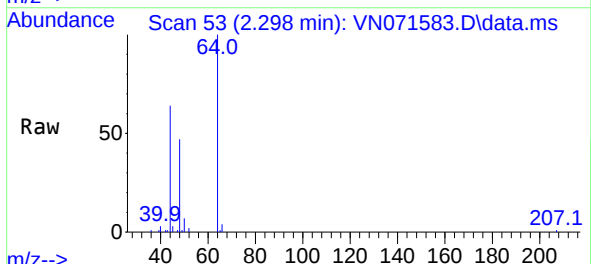
Instrument :
MSVOA_N
ClientSampleId :
PB143590TB

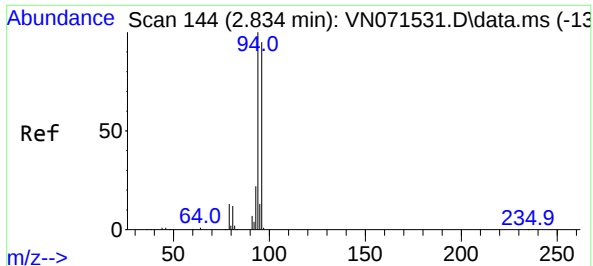
Tgt Ion:168 Resp: 826336
Ion Ratio Lower Upper
168 100
99 53.4 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Tgt Ion: 50 Resp: 3728
Ion Ratio Lower Upper
50 100
52 22.4 25.7 38.5#

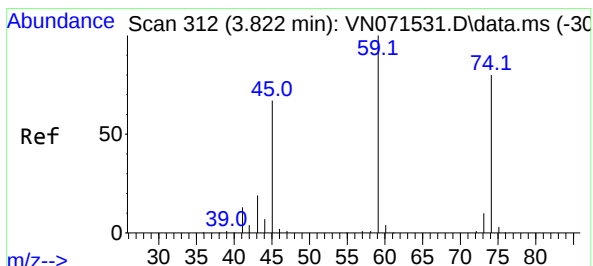
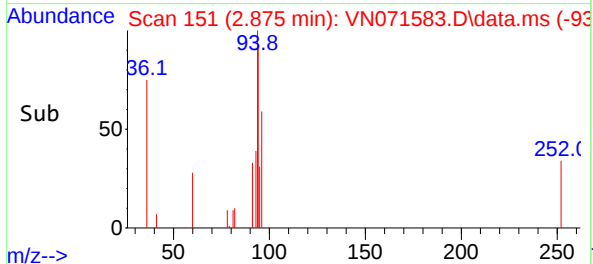
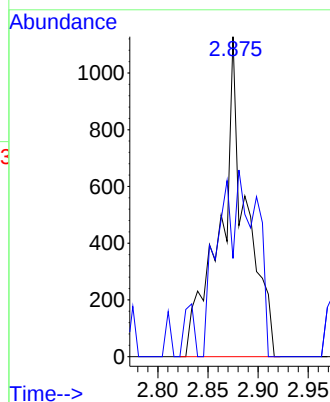
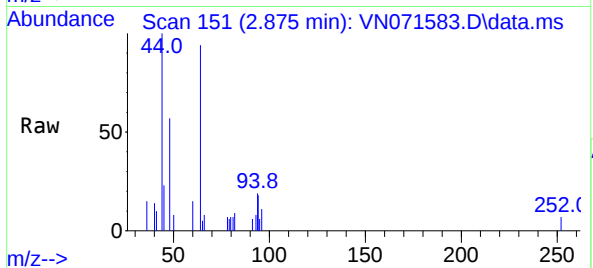




#5
Bromomethane
Concen: 0.327 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

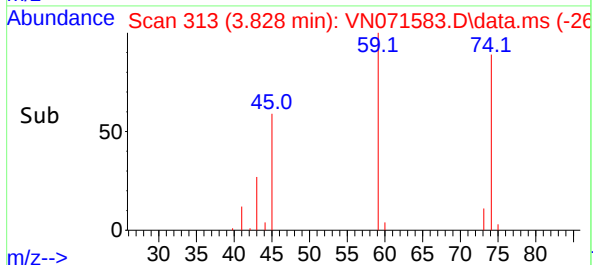
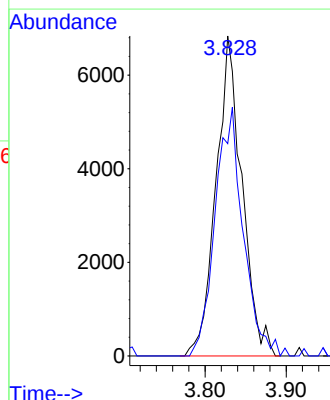
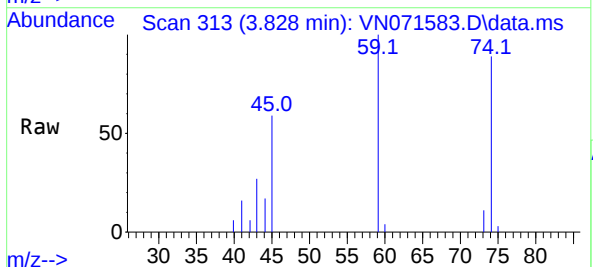
Instrument :
MSVOA_N
ClientSampleId :
PB143590TB

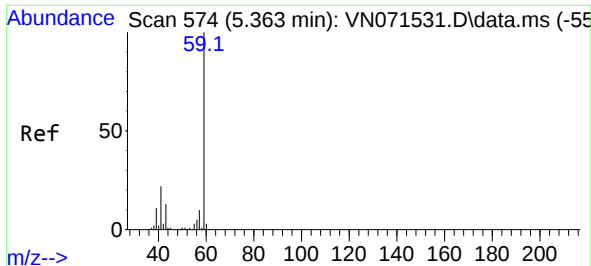
Tgt Ion: 94 Resp: 2005
Ion Ratio Lower Upper
94 100
96 30.7 76.0 114.0#



#8
Diethyl Ether
Concen: 2.719 ug/l
RT: 3.828 min Scan# 313
Delta R.T. 0.006 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Tgt Ion: 74 Resp: 15213
Ion Ratio Lower Upper
74 100
45 84.0 42.9 128.5





#11

Tert butyl alcohol

Concen: 0.947 ug/l

RT: 5.310 min Scan# 5

Delta R.T. -0.053 min

Lab File: VN071583.D

Acq: 26 Mar 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

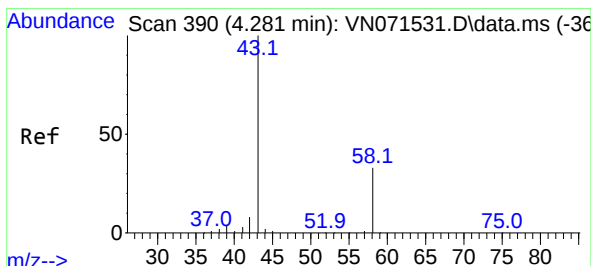
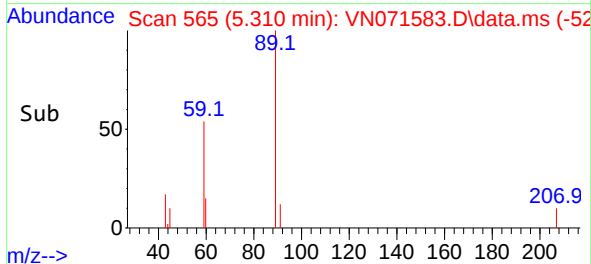
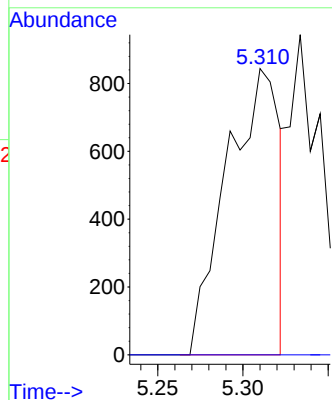
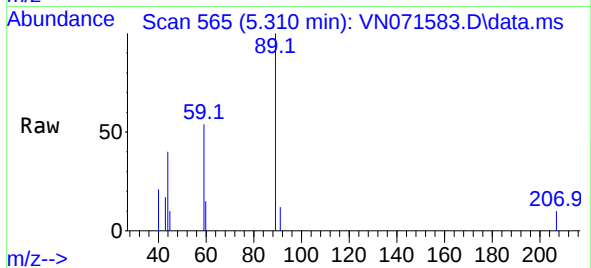
PB143590TB

Tgt Ion: 59 Resp: 1812

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 6.309 ug/l

RT: 4.292 min Scan# 392

Delta R.T. 0.011 min

Lab File: VN071583.D

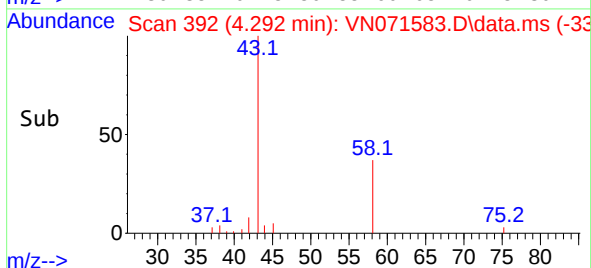
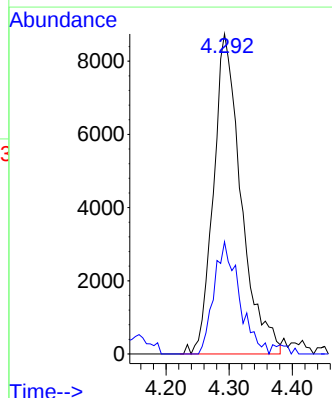
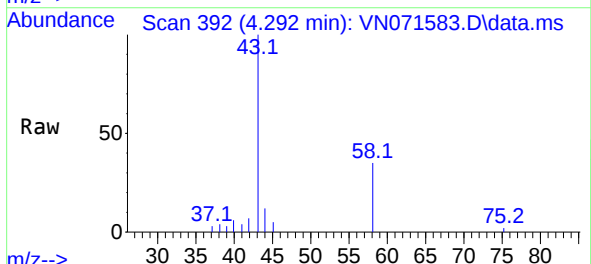
Acq: 26 Mar 2022 19:26

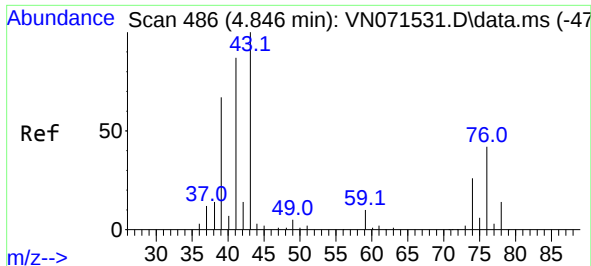
Tgt Ion: 43 Resp: 26550

Ion Ratio Lower Upper

43 100

58 35.1 26.0 39.0

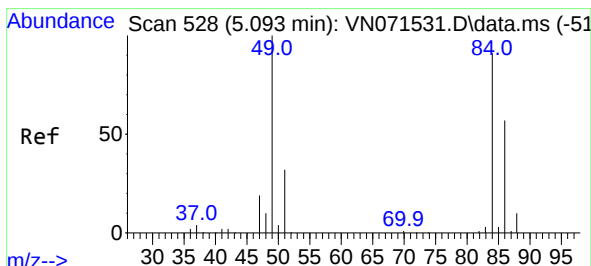
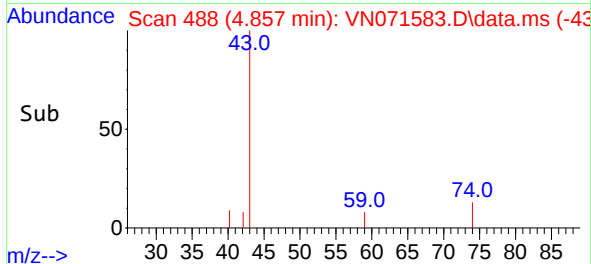
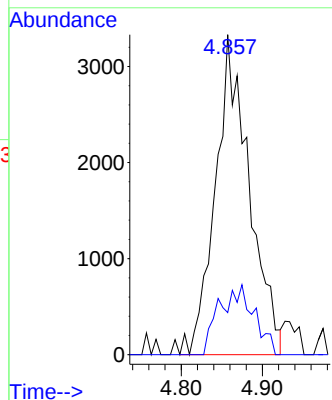
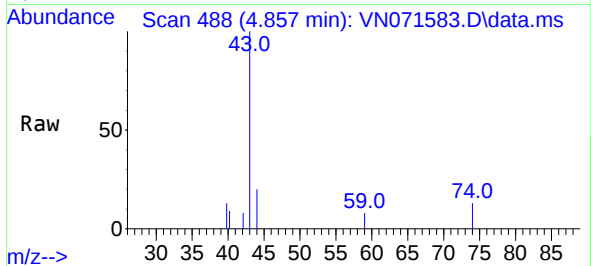




#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

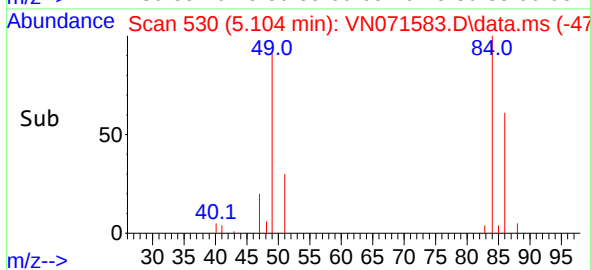
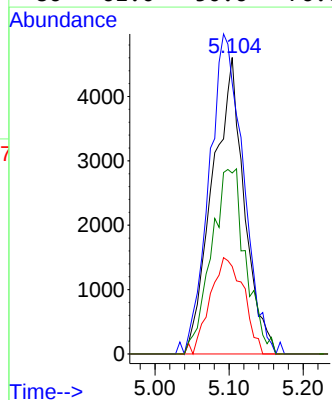
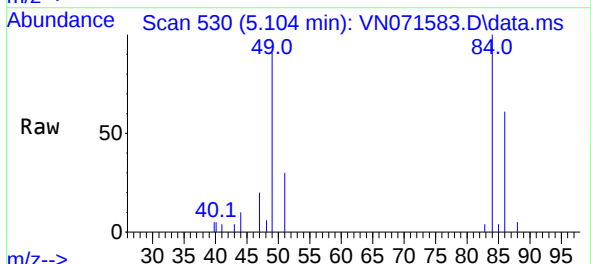
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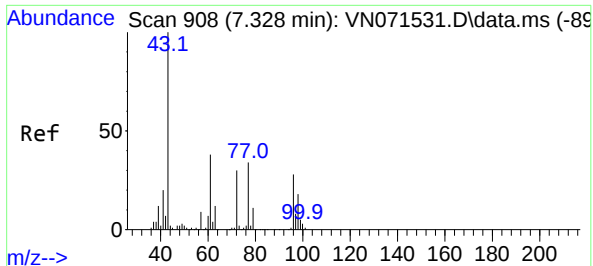
Tgt Ion: 43 Resp: 9647
Ion Ratio Lower Upper
43 100
74 22.3 21.6 32.4



#20
Methylene Chloride
Concen: 1.391 ug/l
RT: 5.104 min Scan# 530
Delta R.T. 0.012 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Tgt Ion: 84 Resp: 13643
Ion Ratio Lower Upper
84 100
49 87.4 88.3 132.5#
51 29.5 28.2 42.2
86 61.0 50.6 76.0

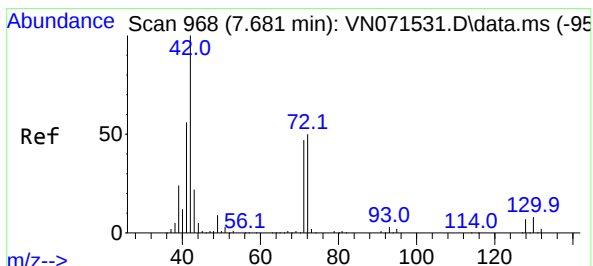
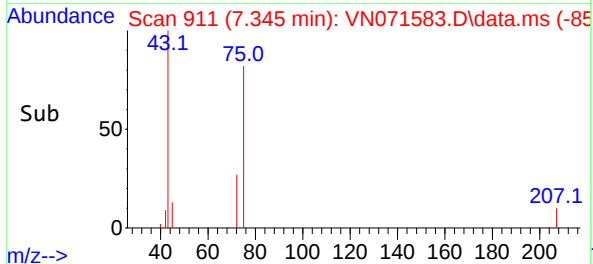
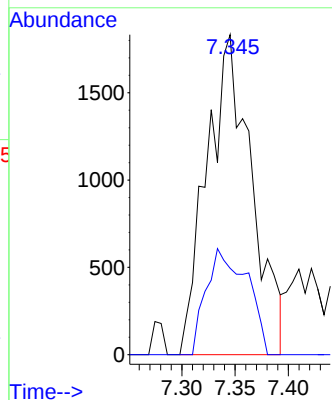
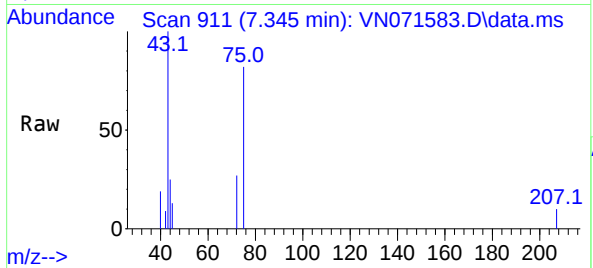




#25
2-Butanone
Concen: 0.792 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

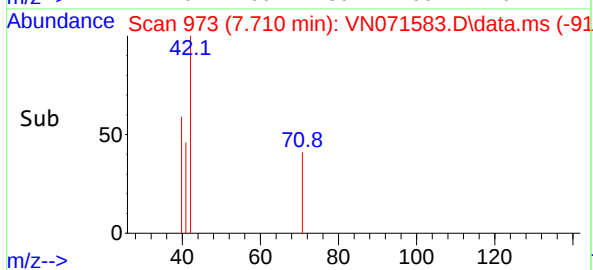
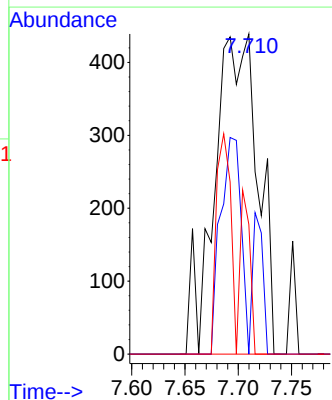
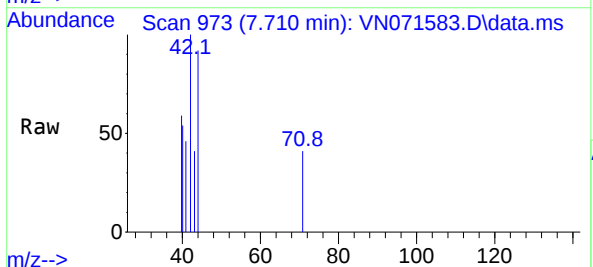
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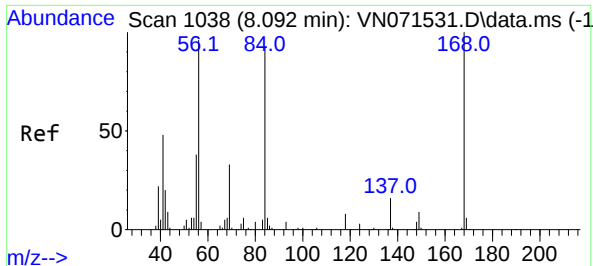
Tgt Ion: 43 Resp: 5346
Ion Ratio Lower Upper
43 100
72 27.0 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.279 ug/l
RT: 7.710 min Scan# 973
Delta R.T. 0.029 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Tgt Ion: 42 Resp: 1251
Ion Ratio Lower Upper
42 100
72 10.2 39.7 59.5#
71 11.4 36.6 55.0#

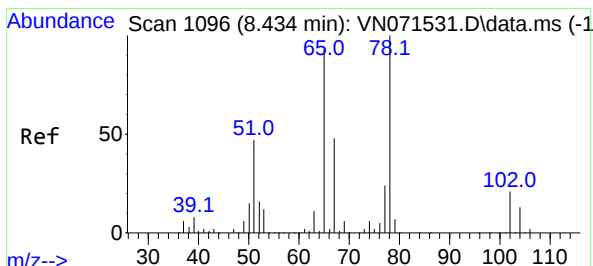
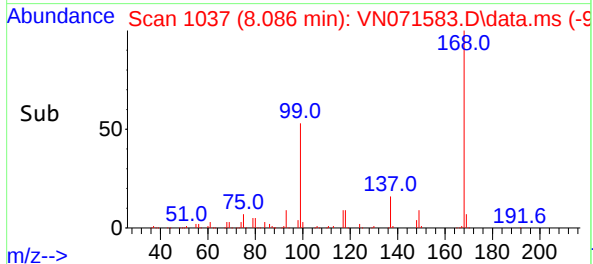
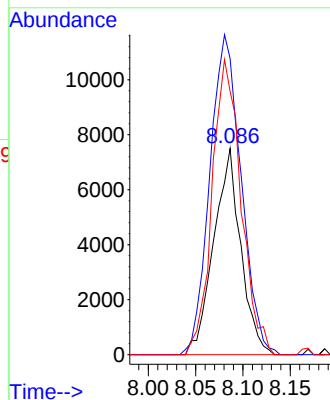
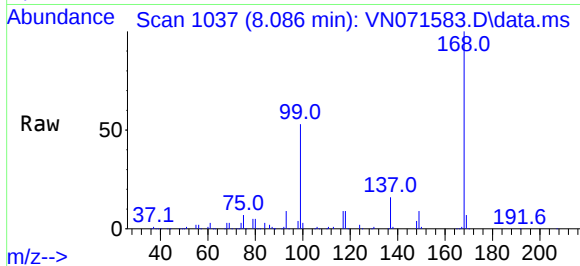




#31
Cyclohexane
Concen: 1.015 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

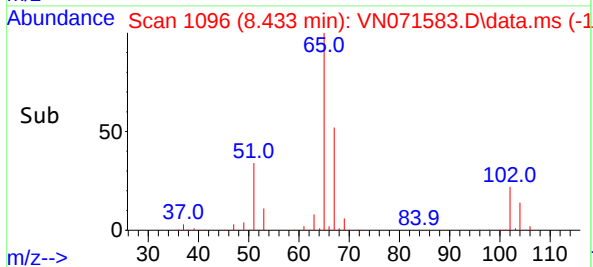
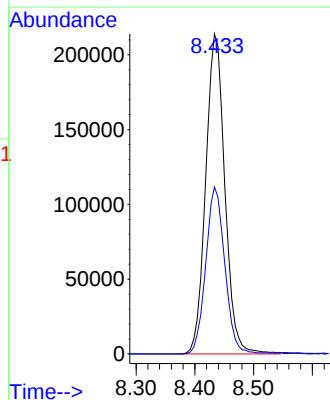
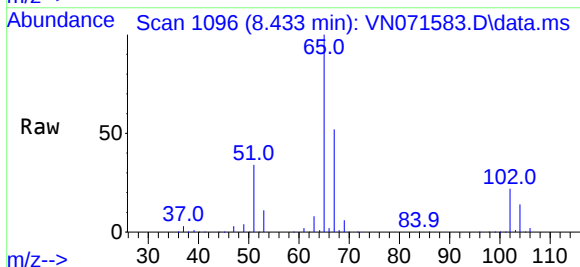
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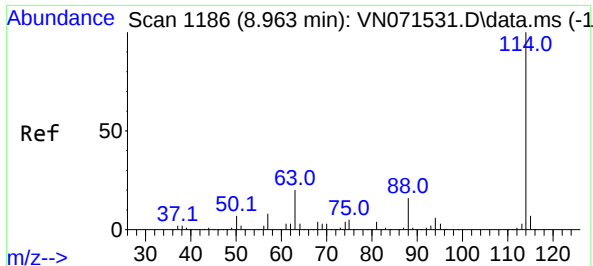
Tgt Ion: 56 Resp: 14905
Ion Ratio Lower Upper
56 100
69 143.5 27.8 41.8#
84 127.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.236 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Tgt Ion: 65 Resp: 484946
Ion Ratio Lower Upper
65 100
67 52.1 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: VN071583.D

Acq: 26 Mar 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

PB143590TB

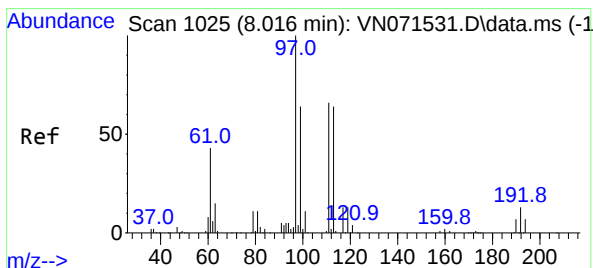
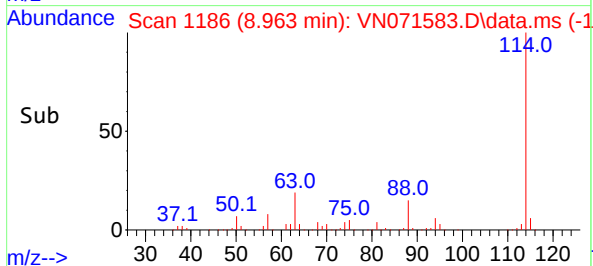
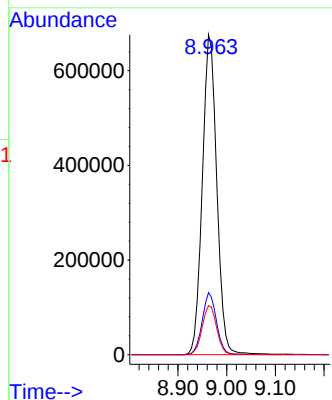
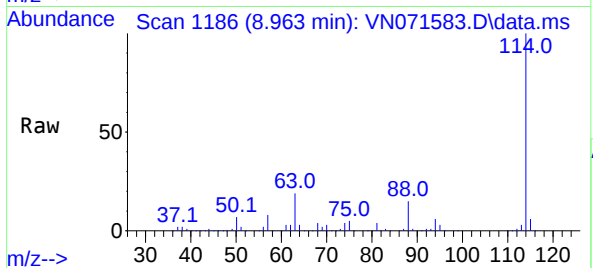
Tgt Ion:114 Resp: 1393124

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 15.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 45.114 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071583.D

Acq: 26 Mar 2022 19:26

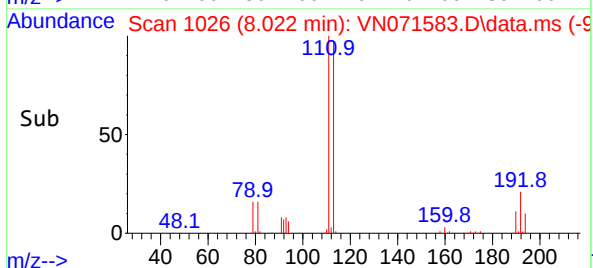
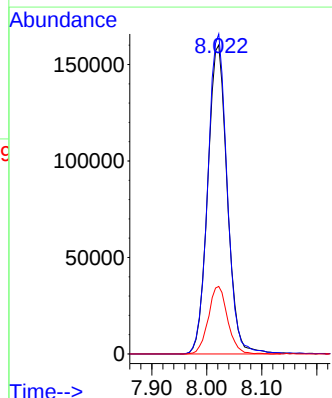
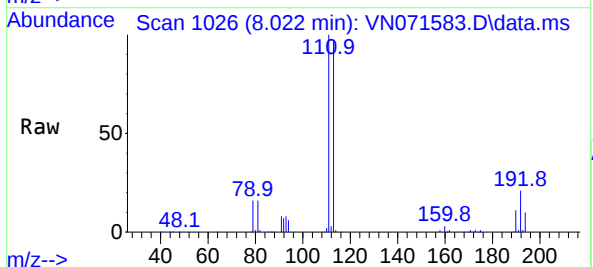
Tgt Ion:113 Resp: 394985

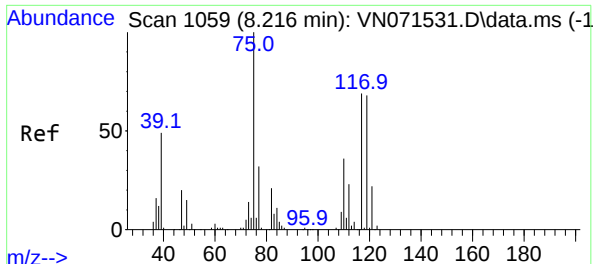
Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 21.5 17.0 25.6

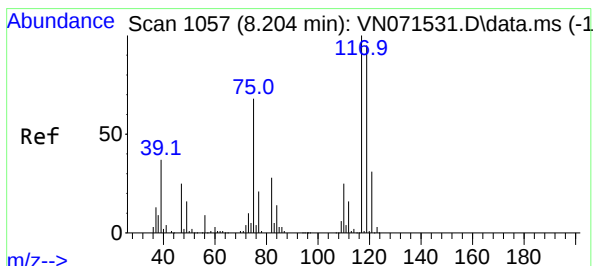
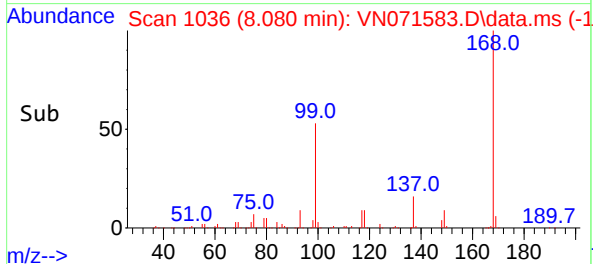
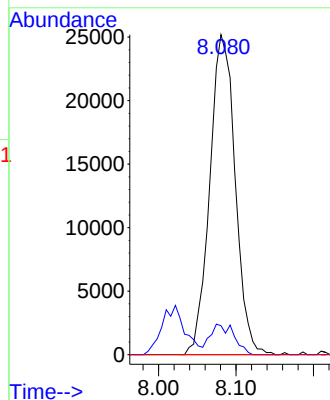
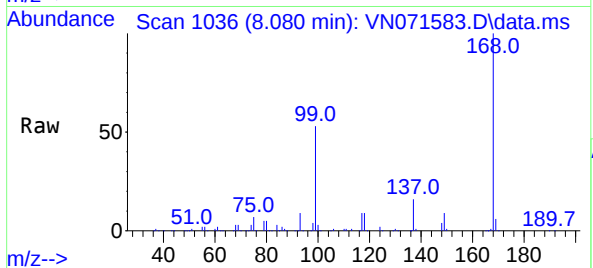




#36
1,1-Dichloropropene
Concen: 4.550 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

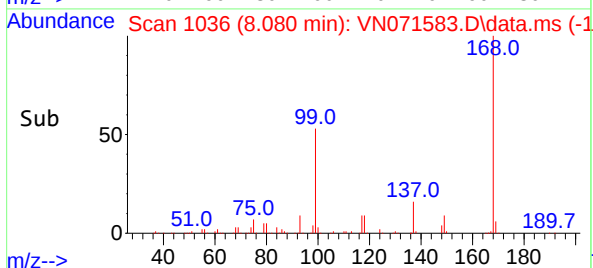
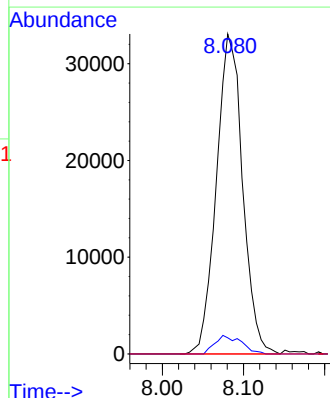
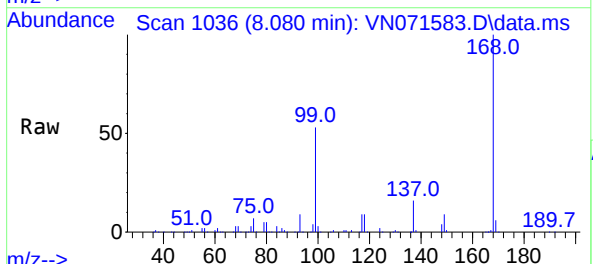
Instrument :
MSVOA_N
ClientSampleId :
PB143590TB

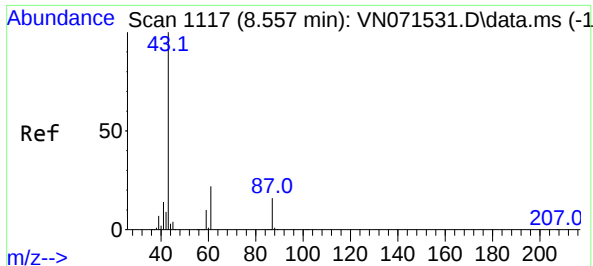
Tgt Ion: 75 Resp: 57437
Ion Ratio Lower Upper
75 100
110 8.9 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.032 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.124 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Tgt Ion: 117 Resp: 74226
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 24.6 37.0#

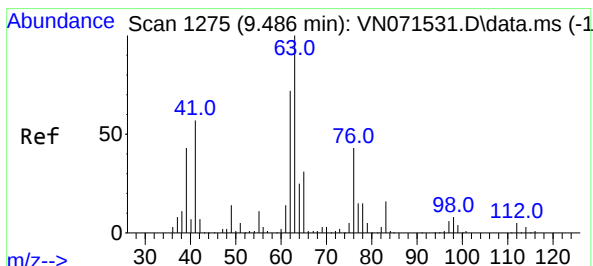
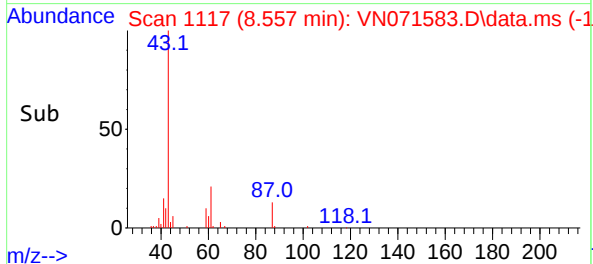
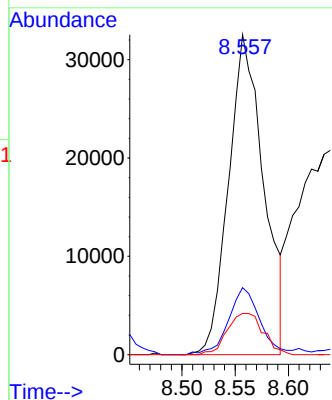
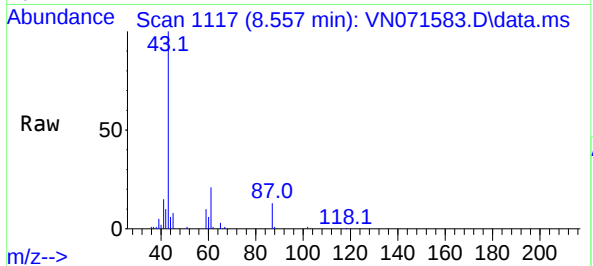




#43
Isopropyl Acetate
Concen: 3.021 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

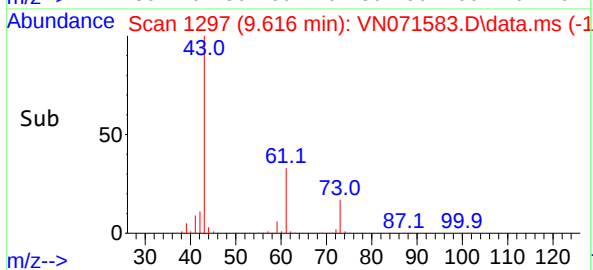
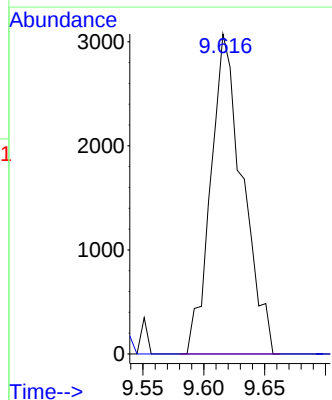
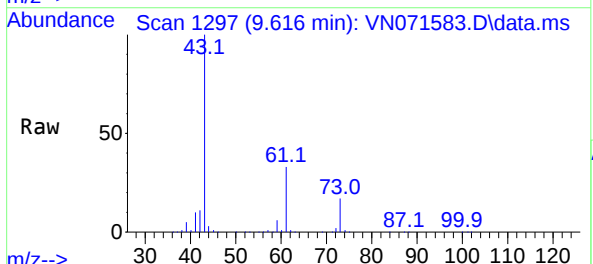
Instrument :
MSVOA_N
ClientSampleId :
PB143590TB

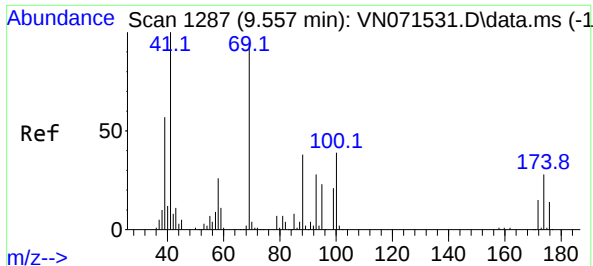
Tgt Ion: 43 Resp: 74863
Ion Ratio Lower Upper
43 100
61 18.7 21.9 32.9#
87 13.2 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.577 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.129 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Tgt Ion: 63 Resp: 5615
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

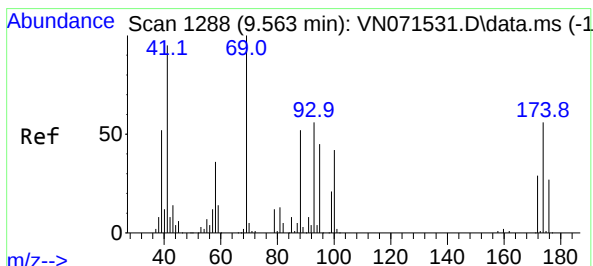
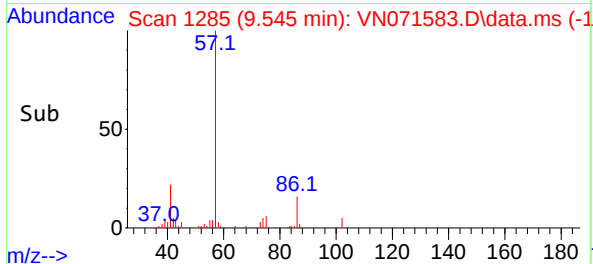
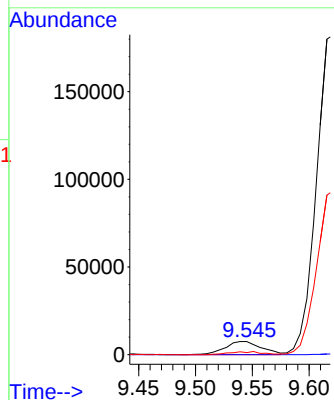
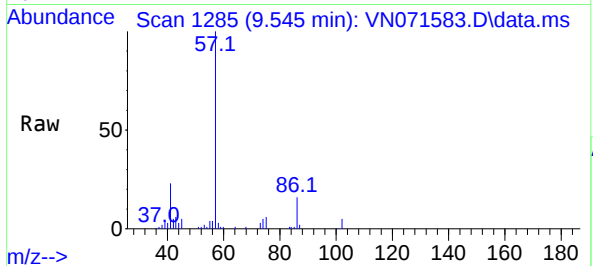




#48
Methyl methacrylate
Concen: 1.680 ug/l
RT: 9.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

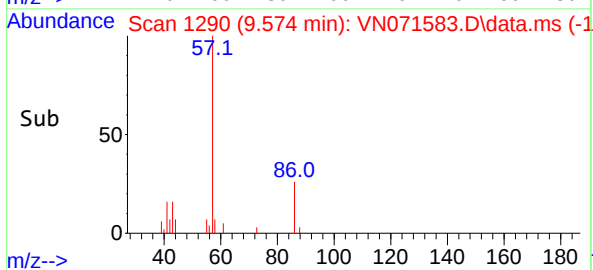
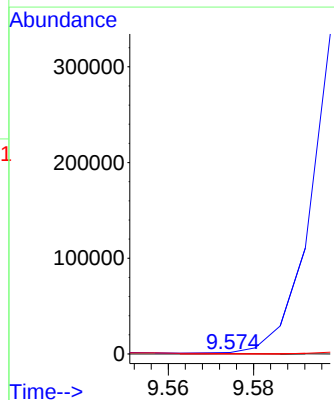
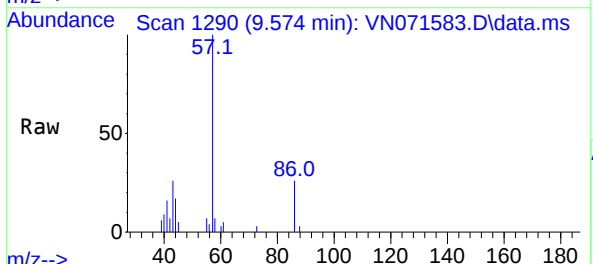
Instrument :
MSVOA_N
ClientSampleId :
PB143590TB

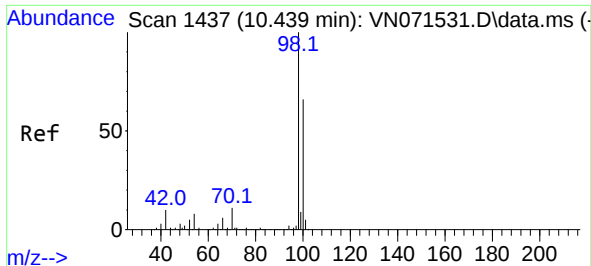
Tgt Ion: 41 Resp: 16692
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 0.493 ug/l
RT: 9.574 min Scan# 1290
Delta R.T. 0.012 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Tgt Ion: 88 Resp: 113
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#

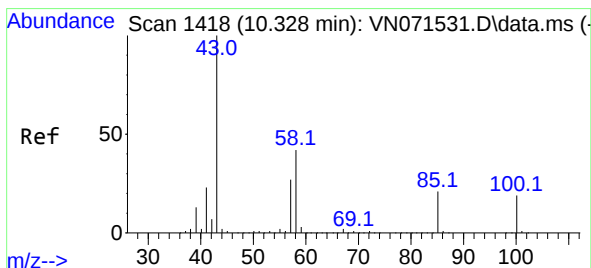
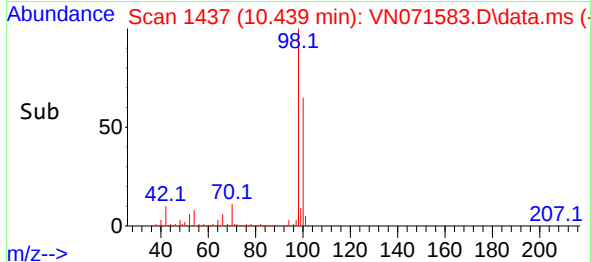
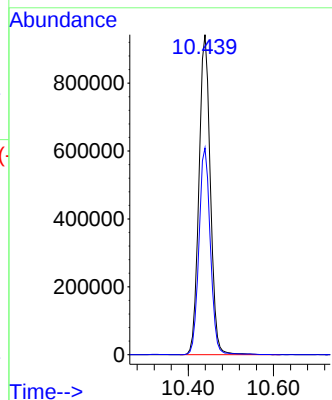
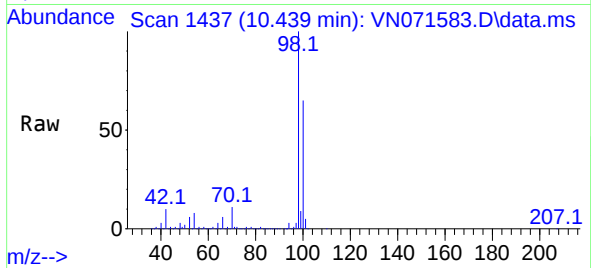




#50
Toluene-d8
Concen: 49.415 ug/l
RT: 10.439 min Scan# 1419
Delta R.T. -0.000 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

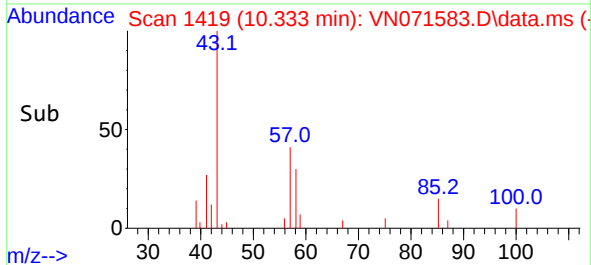
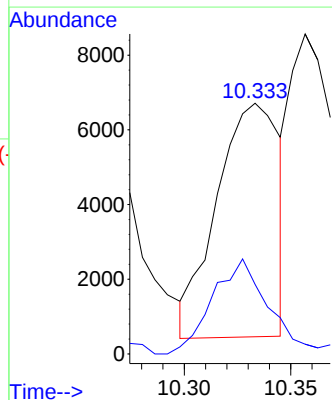
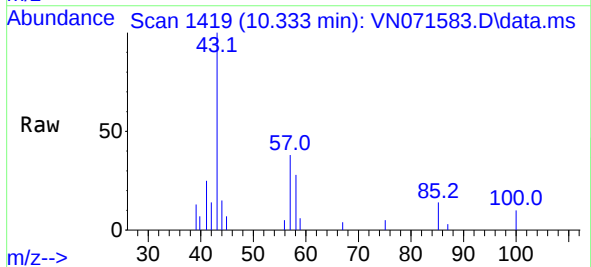
Instrument :
MSVOA_N
ClientSampleId :
PB143590TB

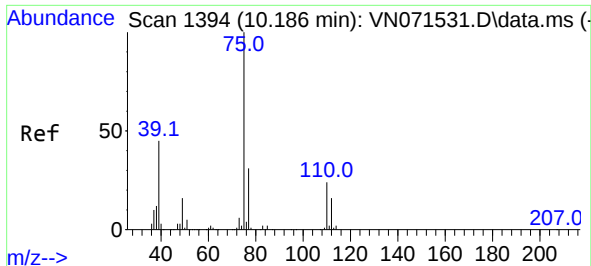
Tgt Ion: 98 Resp: 1745080
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.929 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.006 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Tgt Ion: 43 Resp: 12797
Ion Ratio Lower Upper
43 100
58 36.8 34.1 51.1

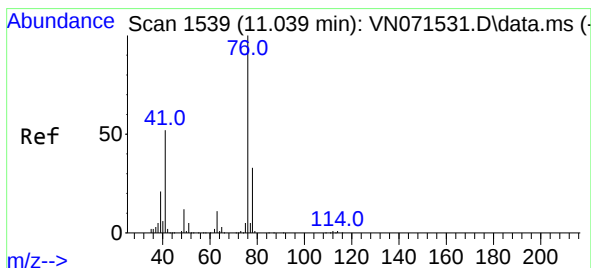
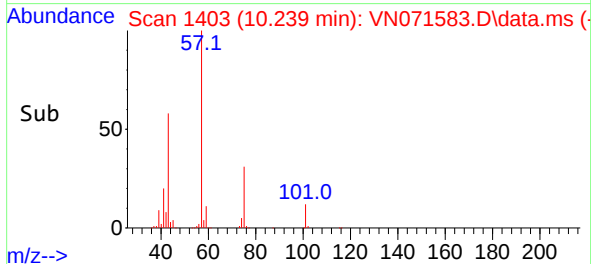
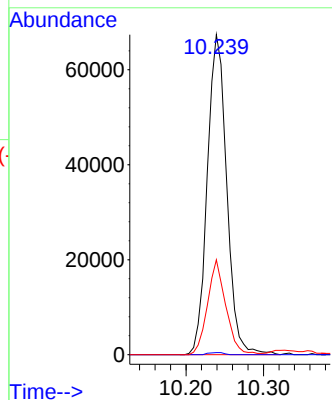
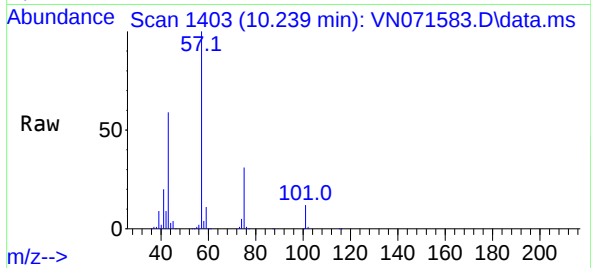




#54
cis-1,3-Dichloropropene
Concen: 7.616 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

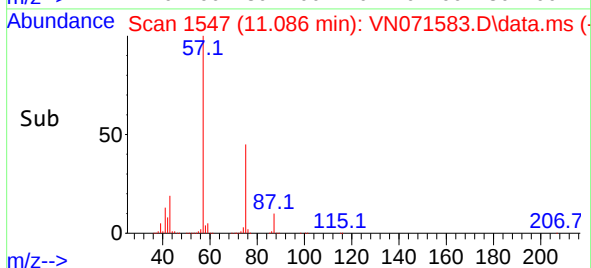
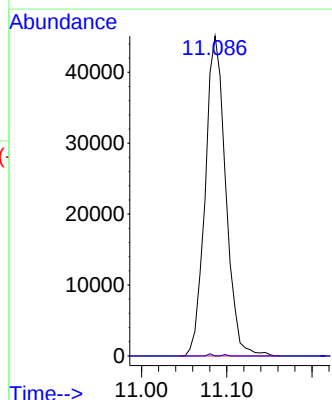
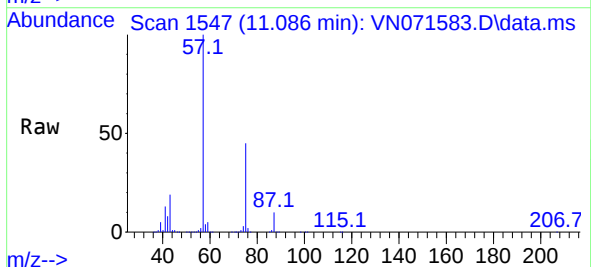
Instrument :
MSVOA_N
ClientSampleId :
PB143590TB

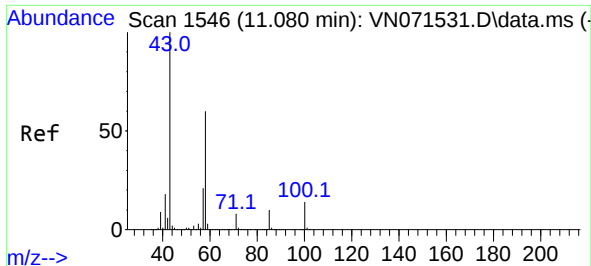
Tgt Ion: 75 Resp: 117264
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 29.6 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 4.490 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Tgt Ion: 76 Resp: 75324
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#

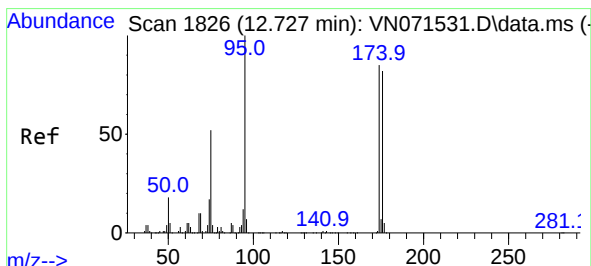
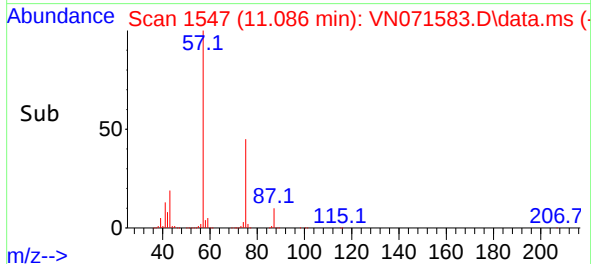
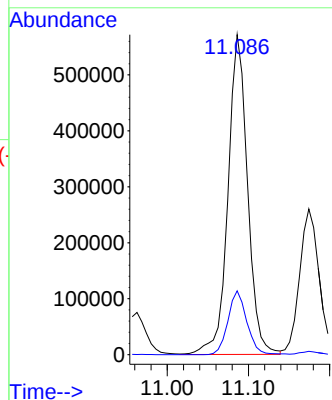
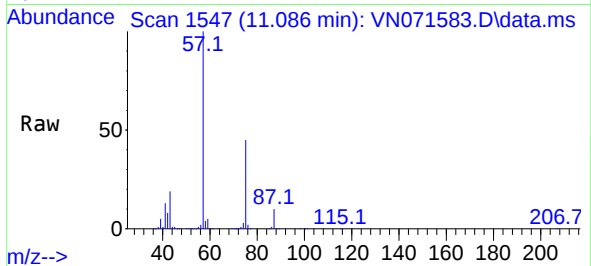




#59
2-Hexanone
Concen: 96.568 ug/l
RT: 11.086 min Scan# 1108
Delta R.T. 0.006 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

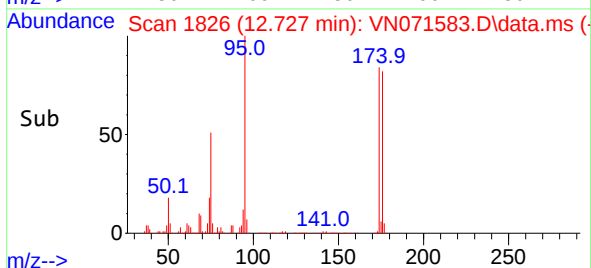
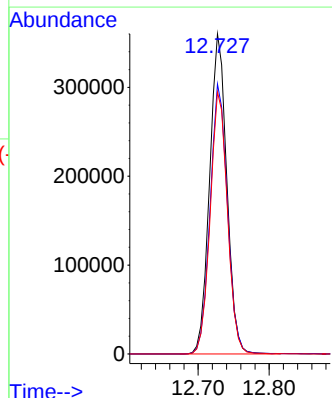
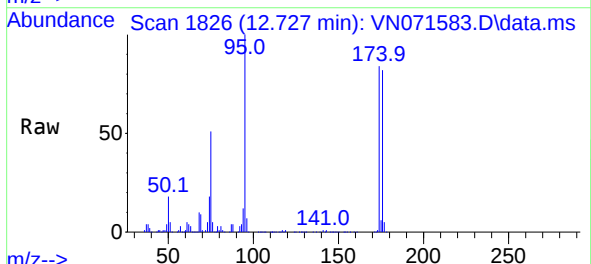
Instrument :
MSVOA_N
ClientSampleId :
PB143590TB

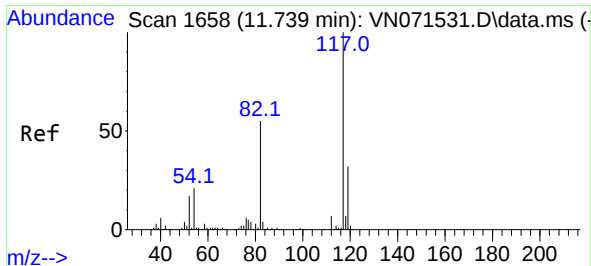
Tgt Ion: 43 Resp: 959005
Ion Ratio Lower Upper
43 100
58 19.3 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 52.397 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

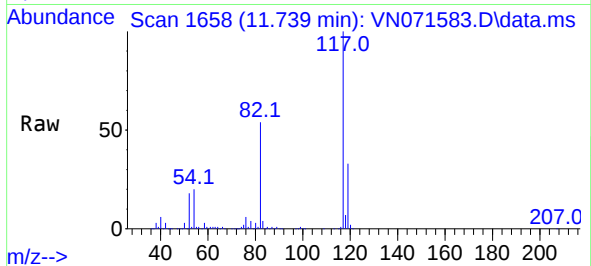
Tgt Ion: 95 Resp: 606309
Ion Ratio Lower Upper
95 100
174 84.9 0.0 167.6
176 81.8 0.0 163.4





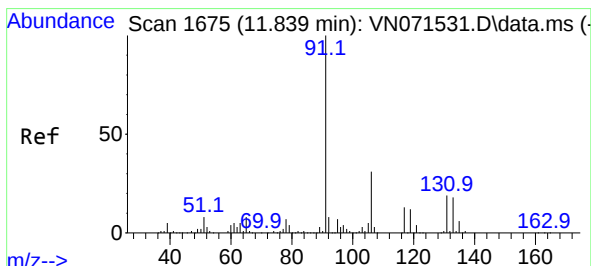
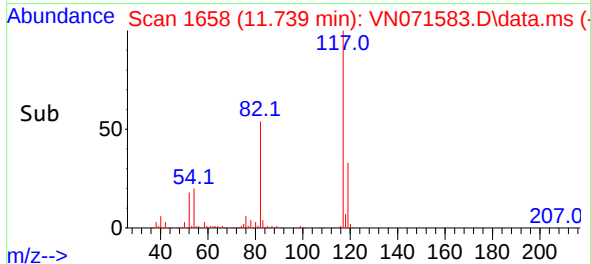
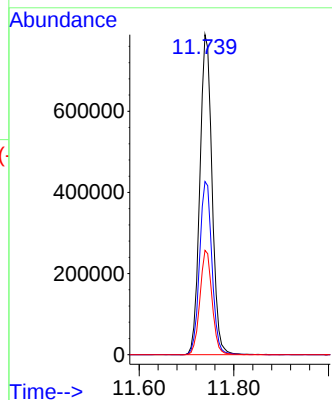
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Instrument :
MSVOA_N
ClientSampleId :
PB143590TB



Tgt Ion:117 Resp: 1411886

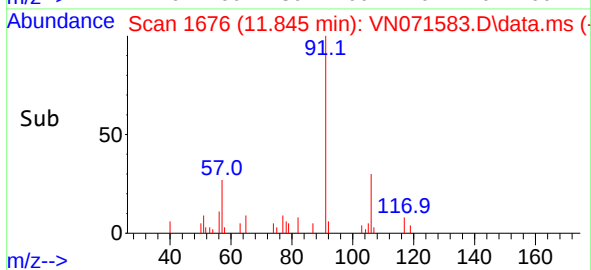
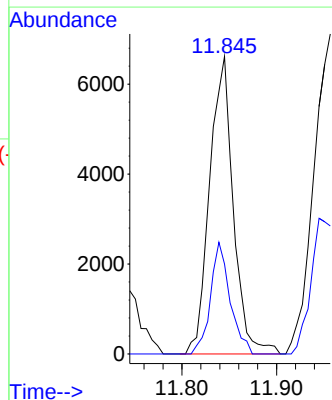
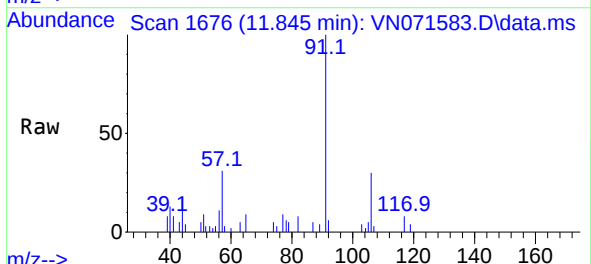
Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.2	66.2
119	32.6	25.4	38.0

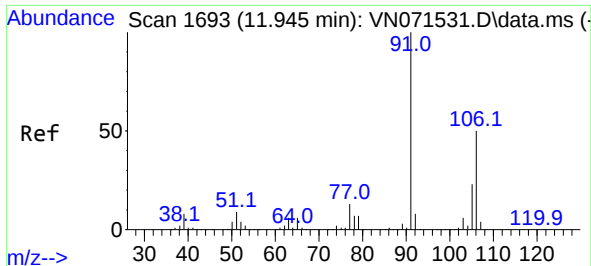


#67
Ethyl Benzene
Concen: 0.223 ug/l
RT: 11.845 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Tgt Ion: 91 Resp: 11493

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.9	37.3

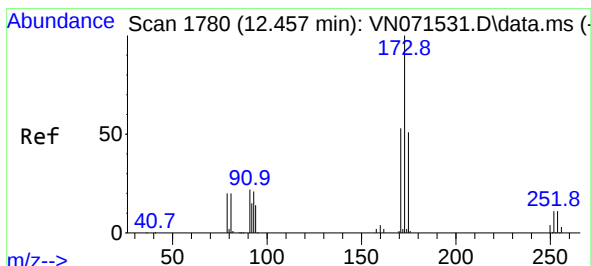
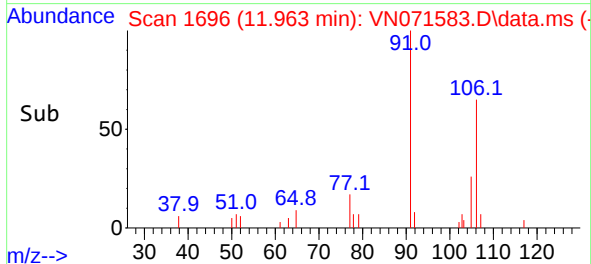
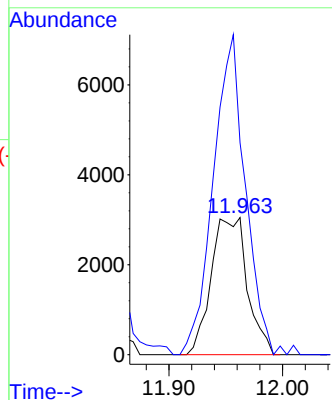
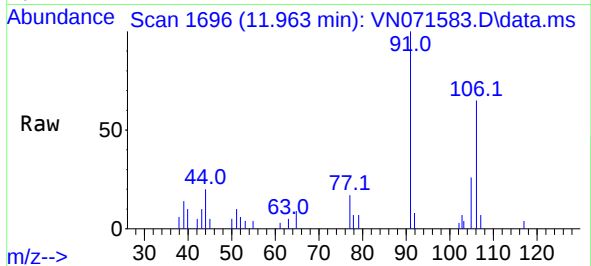




#68
m/p-Xylenes
Concen: 0.342 ug/l
RT: 11.963 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

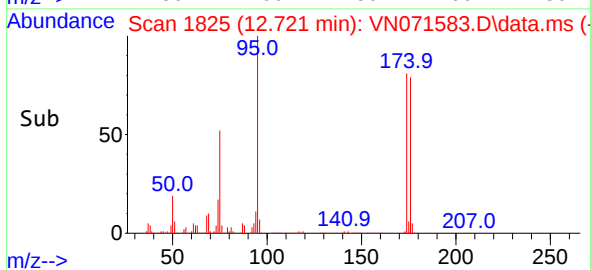
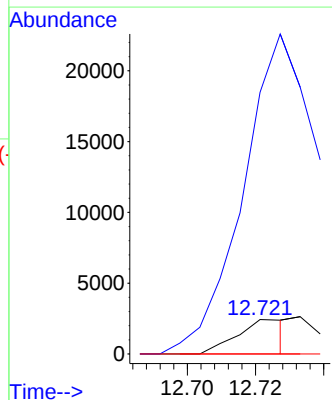
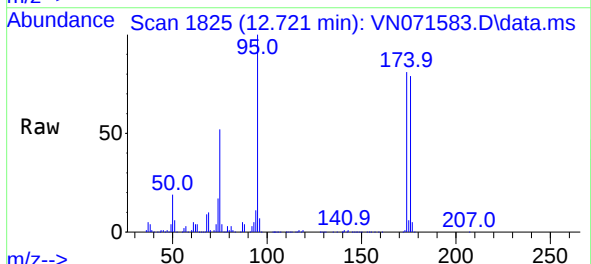
Instrument :
MSVOA_N
ClientSampleId :
PB143590TB

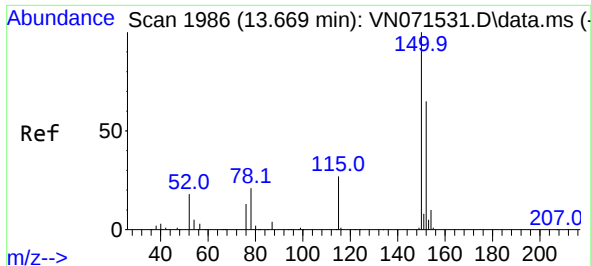
Tgt Ion:106 Resp: 6730
Ion Ratio Lower Upper
106 100
91 208.8 158.9 238.3



#71
Bromoform
Concen: 0.293 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Tgt Ion:173 Resp: 2439
Ion Ratio Lower Upper
173 100
175 1127.1 24.6 73.6#
254 0.0 0.1 0.1#

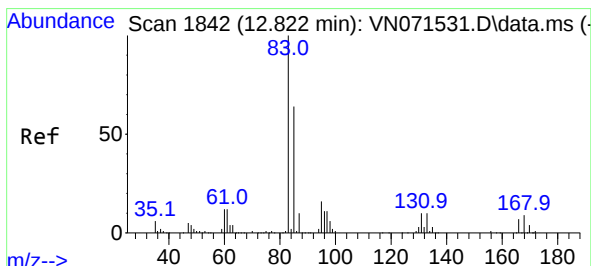
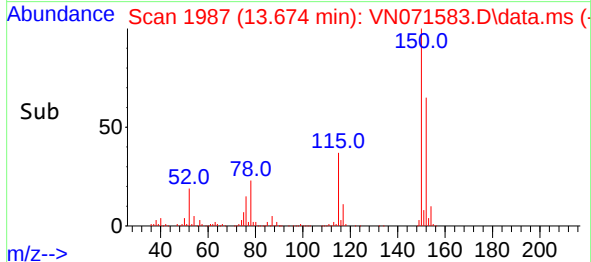
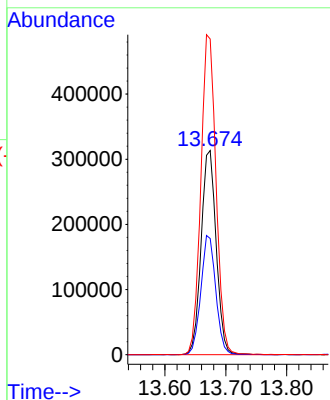
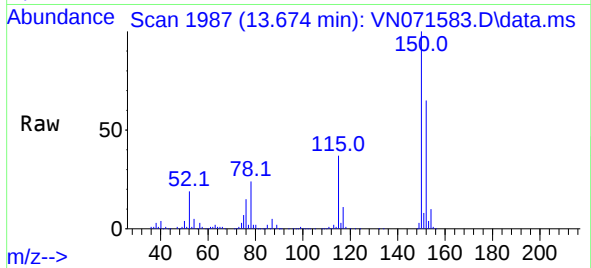




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

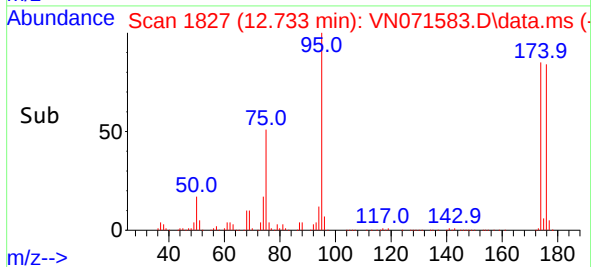
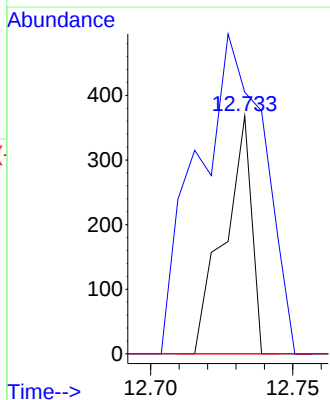
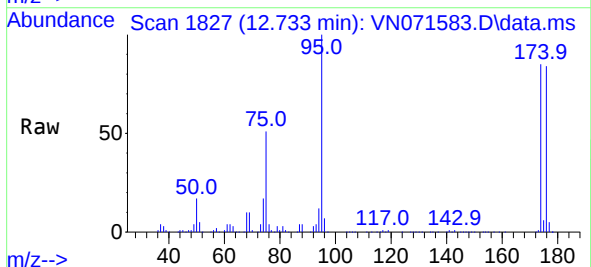
Instrument :
MSVOA_N
ClientSampleId :
PB143590TB

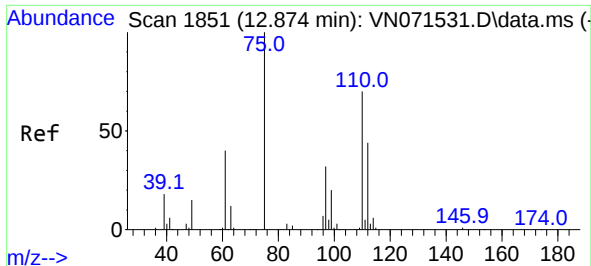
Tgt Ion:152 Resp: 538758
Ion Ratio Lower Upper
152 100
115 57.8 28.9 86.7
150 158.0 0.0 356.2



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.733 min Scan# 1827
Delta R.T. -0.089 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Tgt Ion: 83 Resp: 247
Ion Ratio Lower Upper
83 100
131 326.3 5.3 15.9#
85 0.0 32.3 96.9#

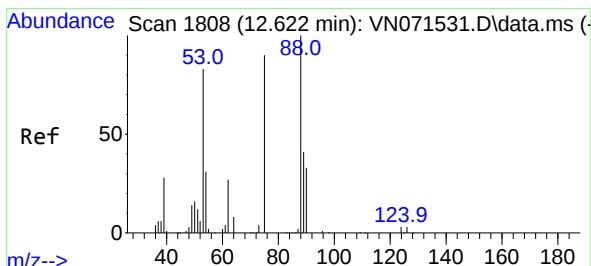
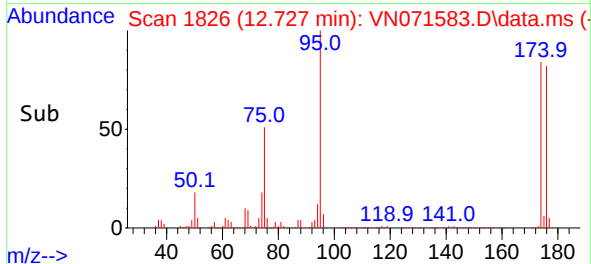
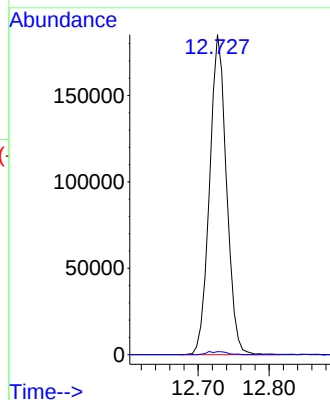
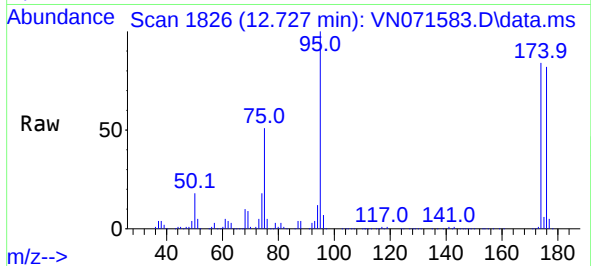




#76
1,2,3-Trichloropropane
Concen: 25.518 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

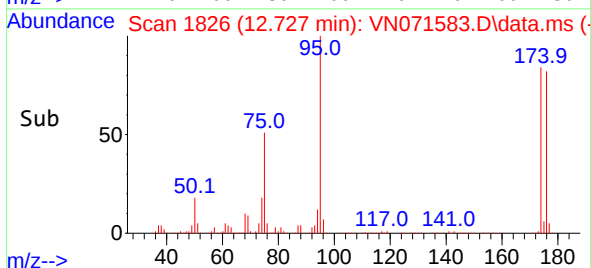
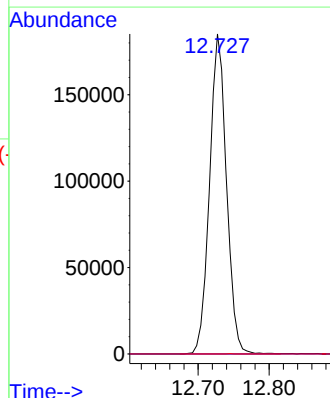
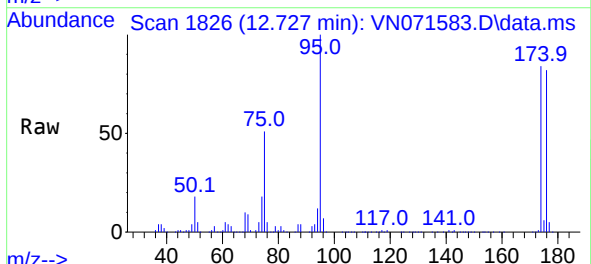
Instrument :
MSVOA_N
ClientSampleId :
PB143590TB

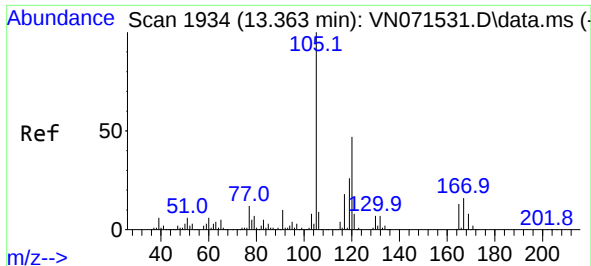
Tgt Ion: 75 Resp: 306568
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.320 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Tgt Ion: 75 Resp: 306568
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

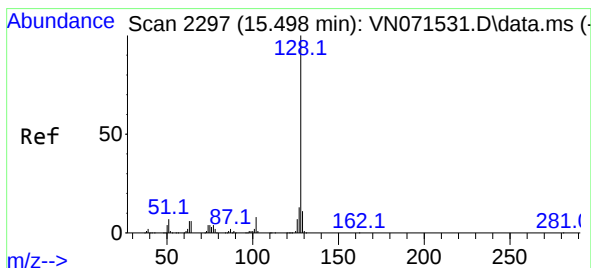
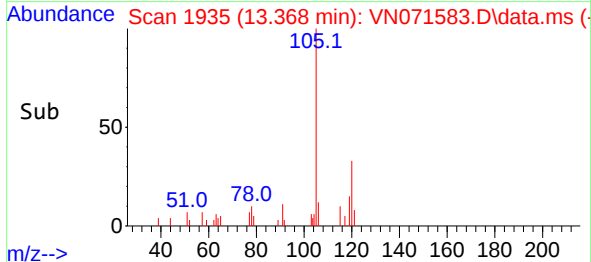
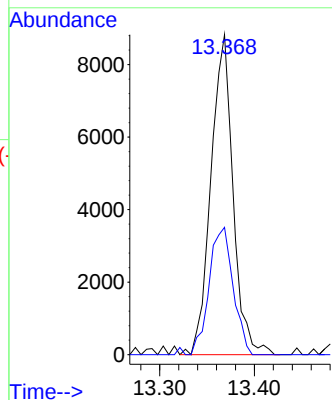
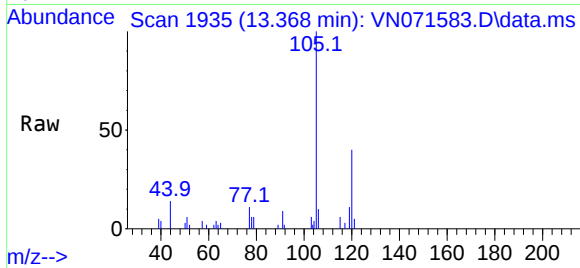




#84
1,2,4-Trimethylbenzene
Concen: 0.396 ug/l
RT: 13.368 min Scan# 1934
Delta R.T. 0.006 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Instrument :
MSVOA_N
ClientSampleId :
PB143590TB

Tgt Ion:105 Resp: 14328
Ion Ratio Lower Upper
105 100
120 43.7 23.3 69.8



#95
Naphthalene
Concen: 3.911 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071583.D
Acq: 26 Mar 2022 19:26

Tgt Ion:128 Resp: 20416
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 10.9 8.6 13.0

