

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071584.D
 Acq On : 26 Mar 2022 19:51
 Operator : JC\MD
 Sample : PB143590ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143590ZHE#12

Quant Time: Mar 28 02:20:52 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)

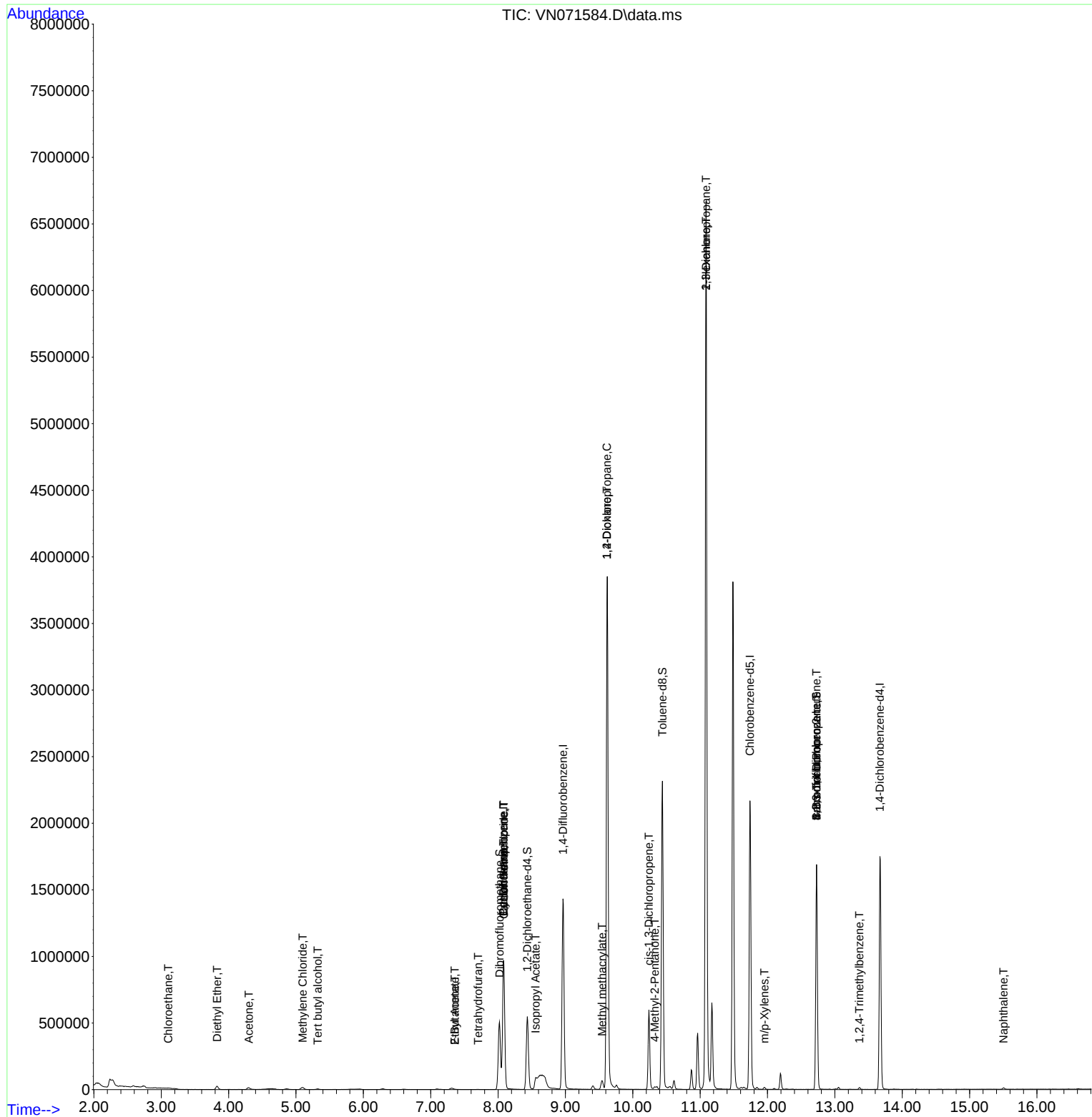
Internal Standards						
1) Pentafluorobenzene	8.081	168	788805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1335947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1337468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	514548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	456721	46.604	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.200%		
35) Dibromofluoromethane	8.022	113	378412	45.070	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.140%		
50) Toluene-d8	10.439	98	1670263	49.320	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.640%		
62) 4-Bromofluorobenzene	12.727	95	579226	52.199	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.400%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	4219	Below Cal	#	76
6) Chloroethane	3.104	64	6688	0.899	ug/l #	67
8) Diethyl Ether	3.828	74	15798	2.958	ug/l	97
11) Tert butyl alcohol	5.322	59	4052	2.219	ug/l #	72
16) Acetone	4.298	43	26349	6.559	ug/l	95
18) Methyl Acetate	4.869	43	12614	Below Cal		96
20) Methylene Chloride	5.098	84	13427	1.435	ug/l	98
25) 2-Butanone	7.357	43	5854	0.908	ug/l #	76
29) Tetrahydrofuran	7.704	42	1133	0.264	ug/l #	61
31) Cyclohexane	8.081	56	14393	1.026	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	55214	4.561	ug/l #	49
37) Ethyl Acetate	7.357	43	5854	0.444	ug/l #	67
38) Carbon Tetrachloride	8.086	117	72449	6.140	ug/l #	16
43) Isopropyl Acetate	8.557	43	103432	4.533	ug/l #	80
45) 1,2-Dichloropropane	9.616	63	5665	0.607	ug/l #	44
48) Methyl methacrylate	9.545	41	16926	1.777	ug/l #	10
49) 1,4-Dioxane	9.616	88	462	2.102	ug/l #	1
51) 4-Methyl-2-Pentanone	10.327	43	10934	0.828	ug/l	92
54) cis-1,3-Dichloropropene	10.239	75	115471	7.820	ug/l #	62
57) 1,3-Dichloropropane	11.086	76	76775	4.772	ug/l #	43
59) 2-Hexanone	11.086	43	965833	101.418	ug/l #	46
68) m/p-Xylenes	11.957	106	4781	0.256	ug/l	96
71) Bromoform	12.727	173	2965	0.376	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.721	83	205	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	292986	25.535	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	292986	68.365	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.363	105	9185	0.266	ug/l	99
95) Naphthalene	15.504	128	11986	3.643	ug/l	98

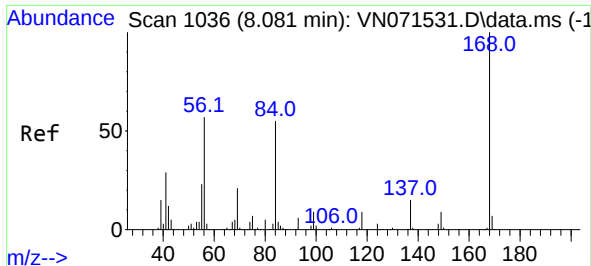
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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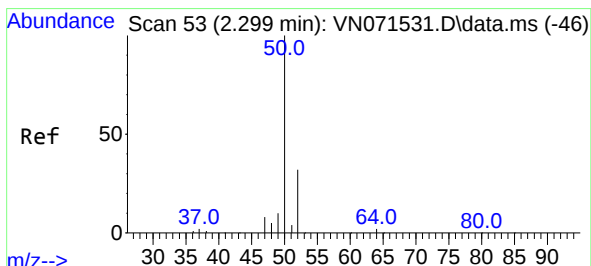
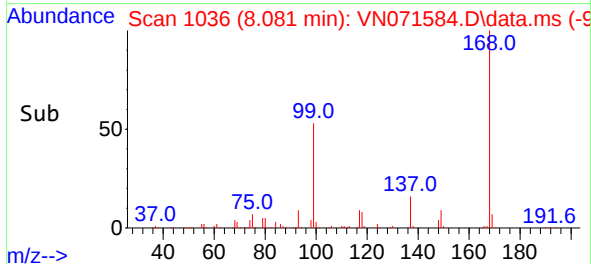
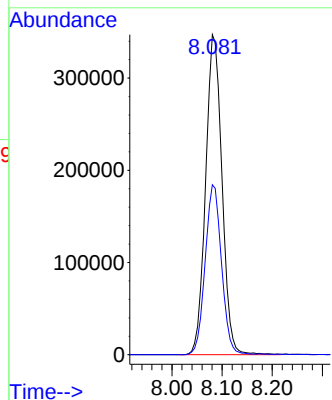
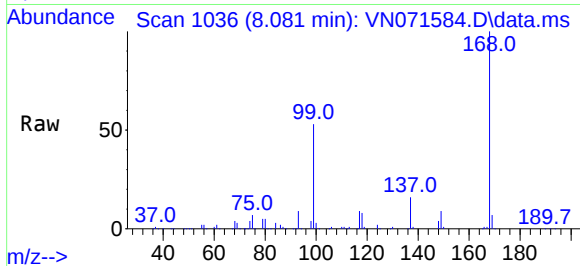




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

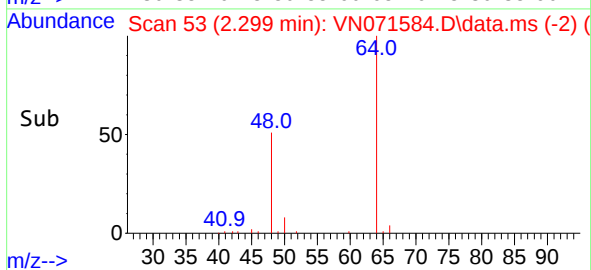
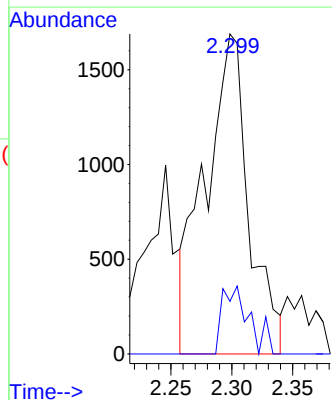
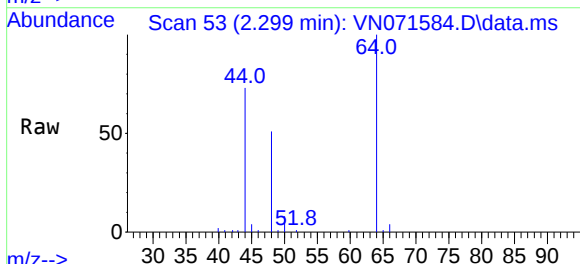
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#12

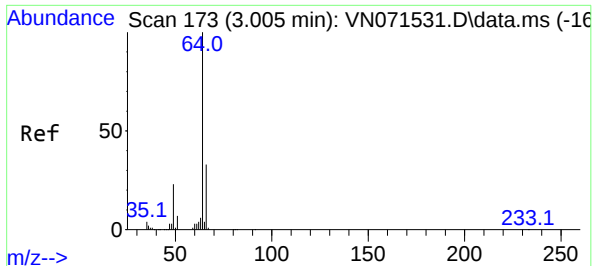
Tgt Ion:168 Resp: 788805
Ion Ratio Lower Upper
168 100
99 53.1 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

Tgt Ion: 50 Resp: 4219
Ion Ratio Lower Upper
50 100
52 18.7 25.7 38.5#

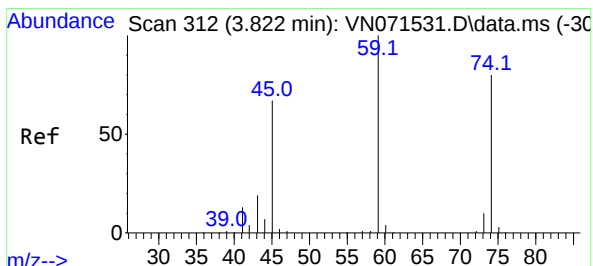
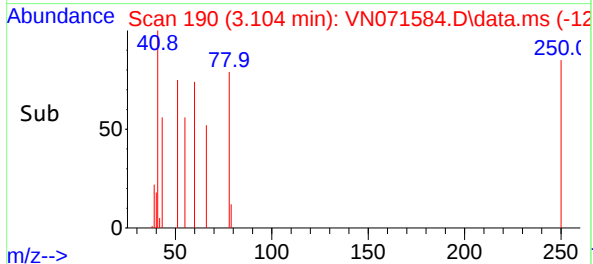
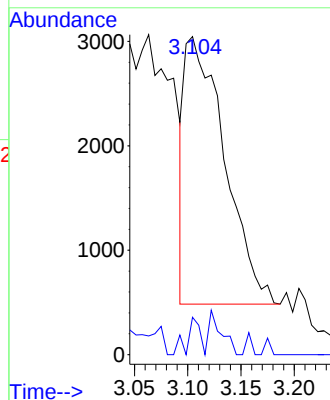
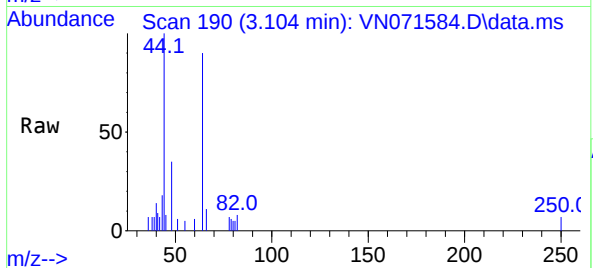




#6
Chloroethane
Concen: 0.899 ug/l
RT: 3.104 min Scan# 190
Delta R.T. 0.099 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

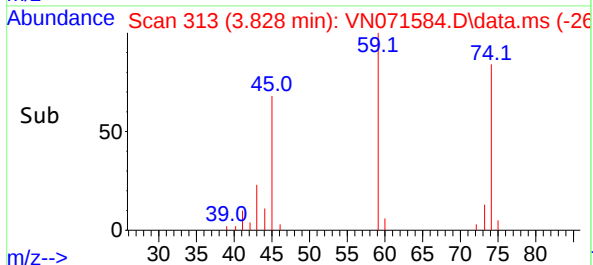
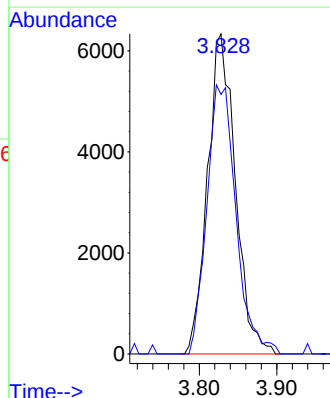
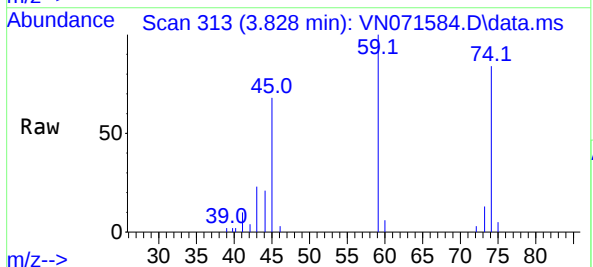
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#12

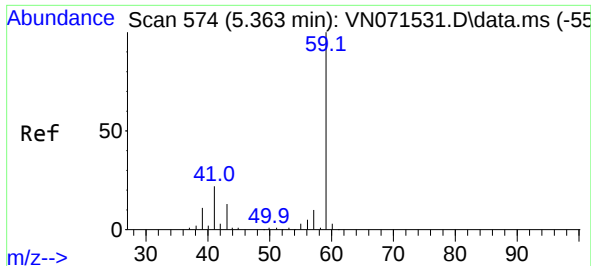
Tgt Ion: 64 Resp: 6688
Ion Ratio Lower Upper
64 100
66 14.0 26.2 39.4#



#8
Diethyl Ether
Concen: 2.958 ug/l
RT: 3.828 min Scan# 313
Delta R.T. 0.006 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

Tgt Ion: 74 Resp: 15798
Ion Ratio Lower Upper
74 100
45 88.2 42.9 128.5

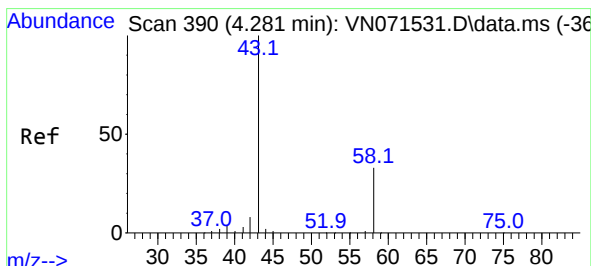
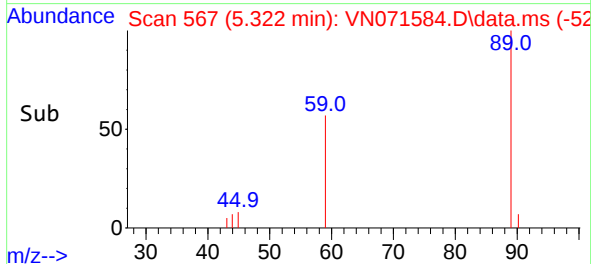
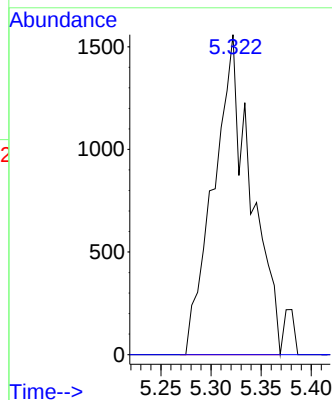
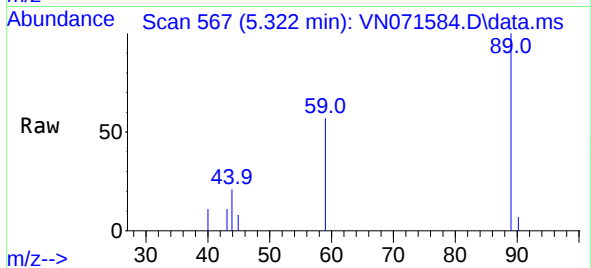




#11
Tert butyl alcohol
Concen: 2.219 ug/l
RT: 5.322 min Scan# 50
Delta R.T. -0.041 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

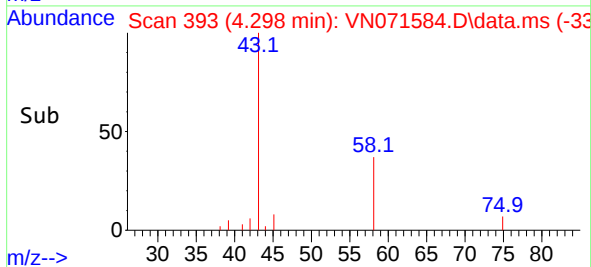
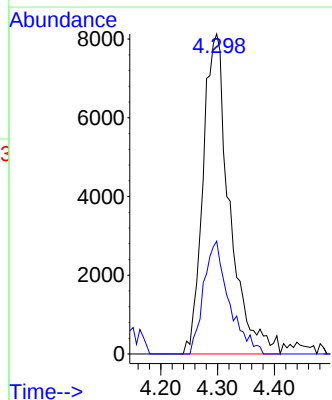
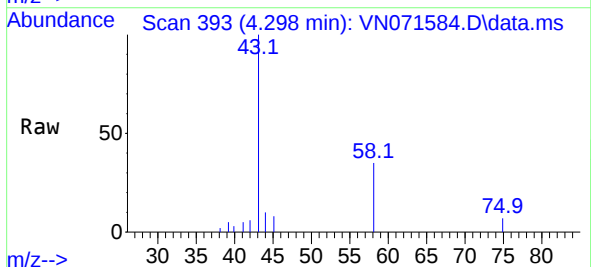
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#12

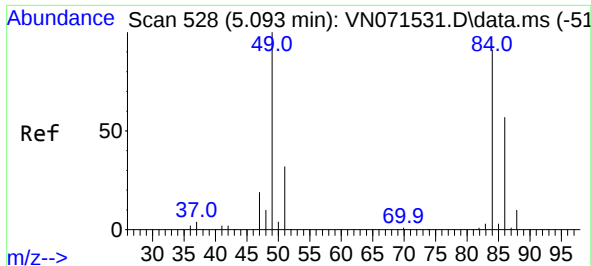
Tgt Ion: 59 Resp: 4052
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 6.559 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.017 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

Tgt Ion: 43 Resp: 26349
Ion Ratio Lower Upper
43 100
58 35.2 26.0 39.0



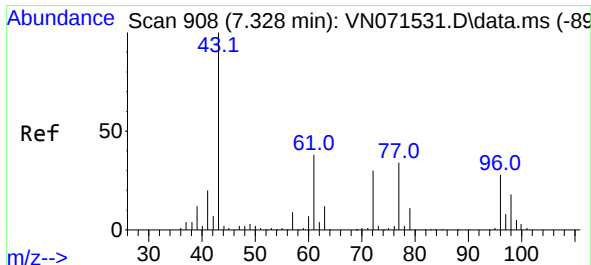
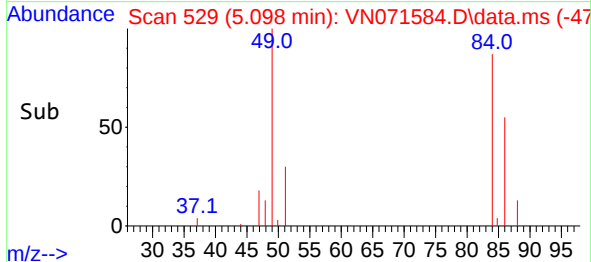
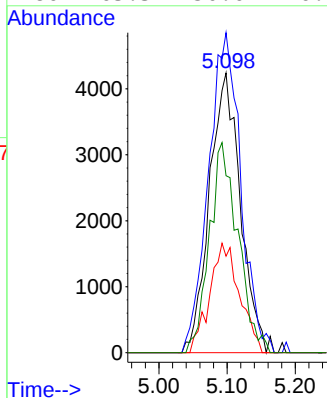
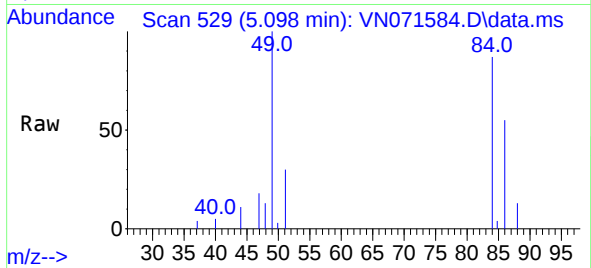


#20
Methylene Chloride
Concen: 1.435 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#12

Tgt Ion: 84 Resp: 13427

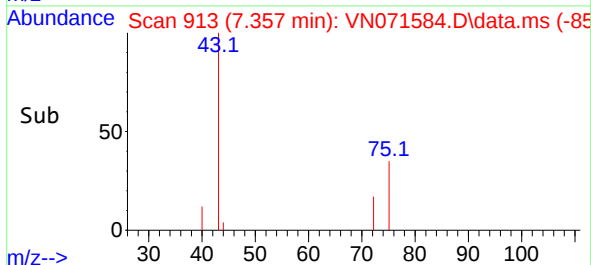
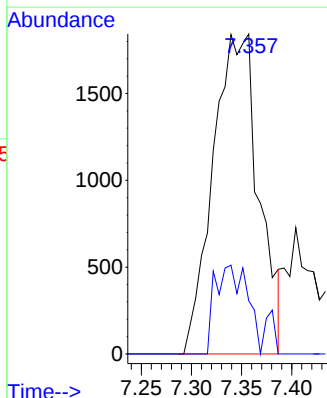
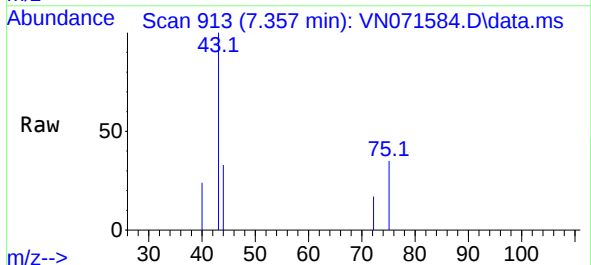
Ion	Ratio	Lower	Upper
84	100		
49	114.4	88.3	132.5
51	34.5	28.2	42.2
86	63.3	50.6	76.0

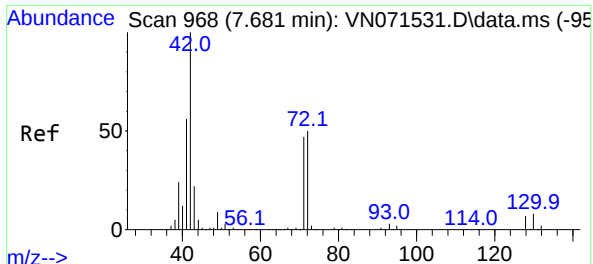


#25
2-Butanone
Concen: 0.908 ug/l
RT: 7.357 min Scan# 913
Delta R.T. 0.029 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

Tgt Ion: 43 Resp: 5854

Ion	Ratio	Lower	Upper
43	100		
72	16.6	23.7	35.5

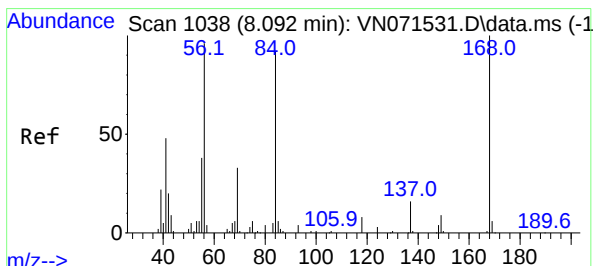
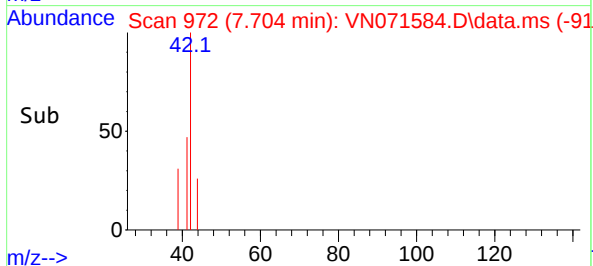
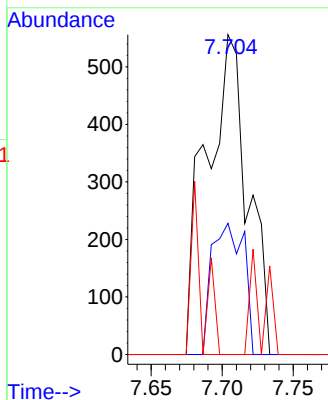
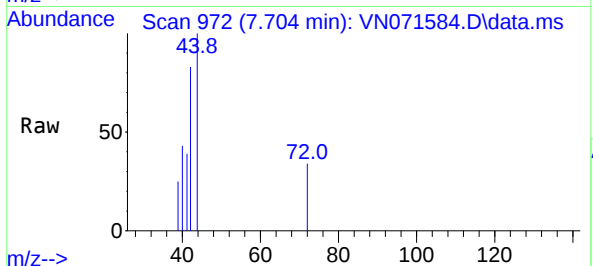




#29
Tetrahydrofuran
Concen: 0.264 ug/l
RT: 7.704 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

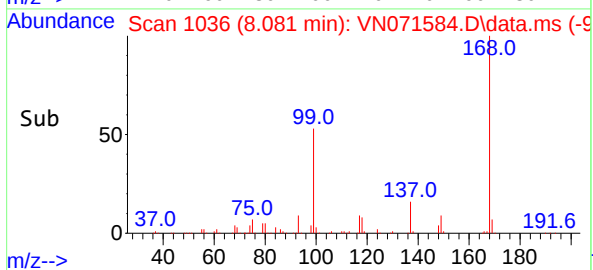
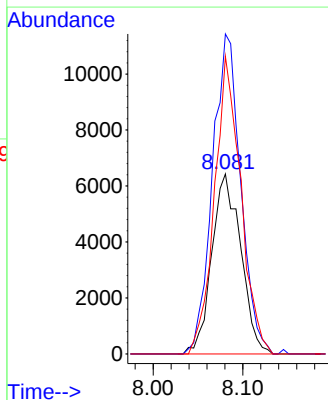
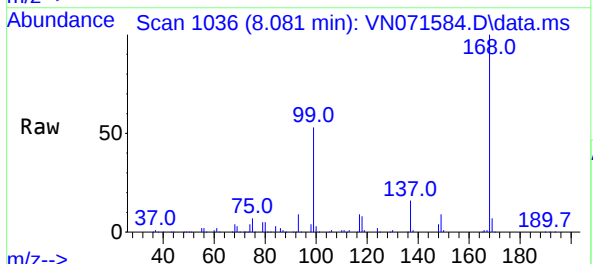
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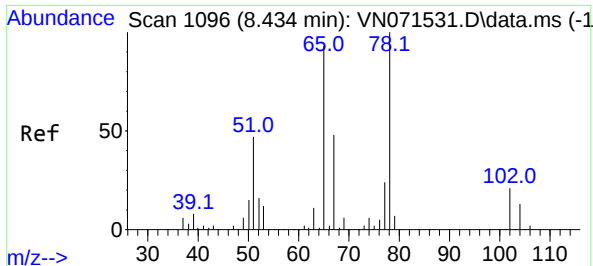
Tgt Ion: 42 Resp: 1133
Ion Ratio Lower Upper
42 100
72 31.4 39.7 59.5#
71 10.5 36.6 55.0#



#31
Cyclohexane
Concen: 1.026 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

Tgt Ion: 56 Resp: 14393
Ion Ratio Lower Upper
56 100
69 177.7 27.8 41.8#
84 165.3 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.604 ug/l

RT: 8.433 min Scan# 1106

Delta R.T. -0.000 min

Lab File: VN071584.D

Acq: 26 Mar 2022 19:51

Instrument :

MSVOA_N

ClientSampleId :

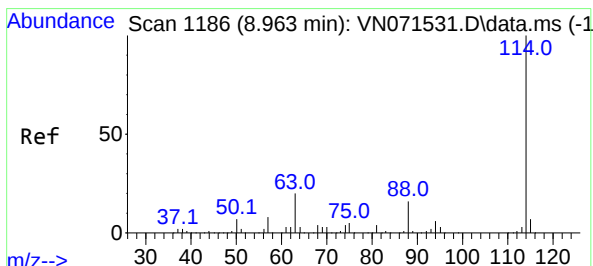
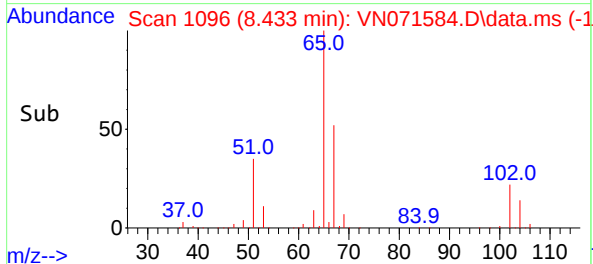
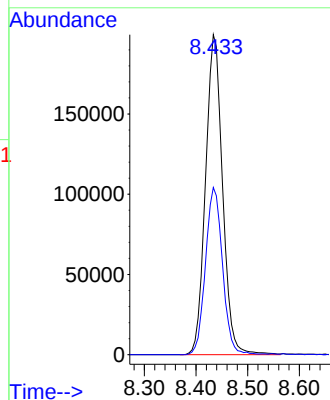
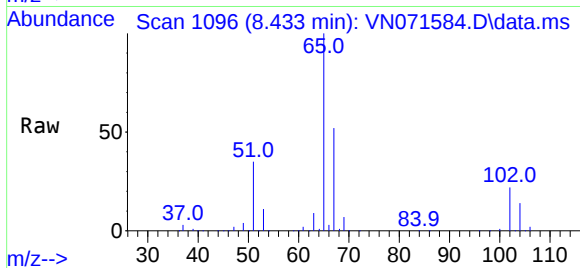
PB143590ZHE#12

Tgt Ion: 65 Resp: 456721

Ion Ratio Lower Upper

65 100

67 52.2 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: VN071584.D

Acq: 26 Mar 2022 19:51

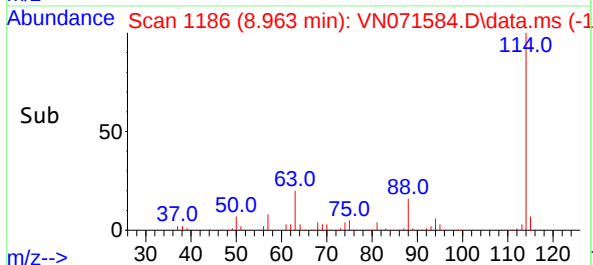
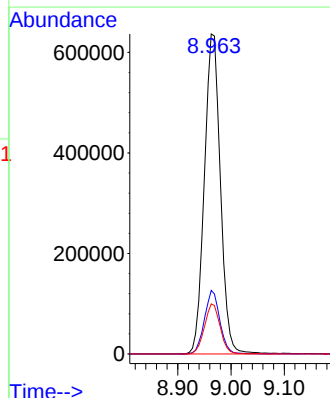
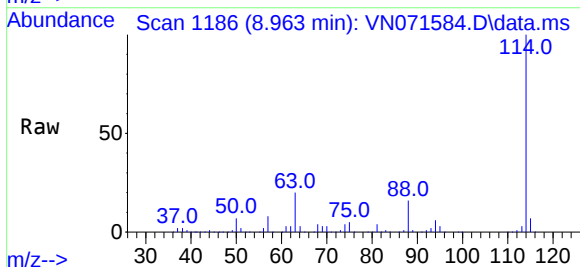
Tgt Ion: 114 Resp: 1335947

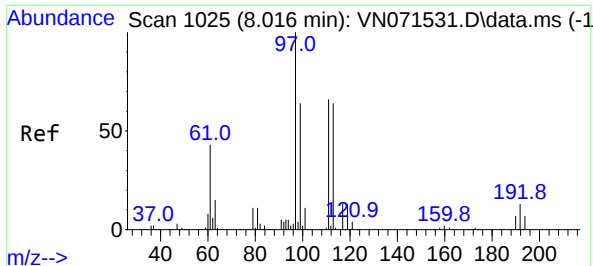
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 15.7 0.0 32.6

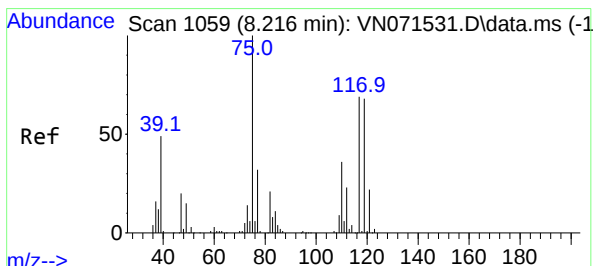
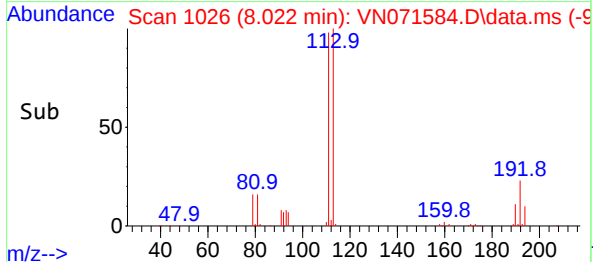
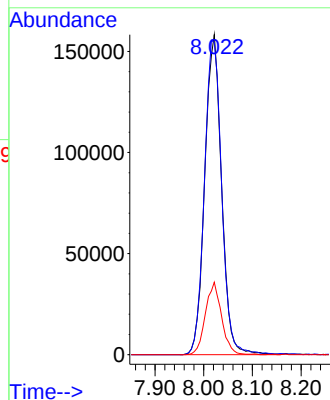
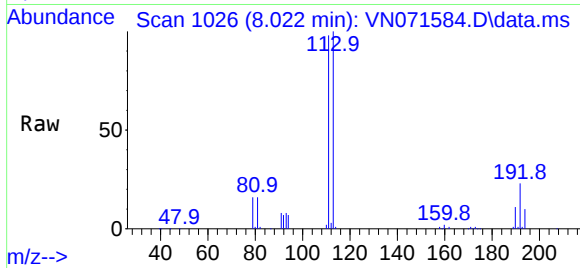




#35
Dibromofluoromethane
Concen: 45.070 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

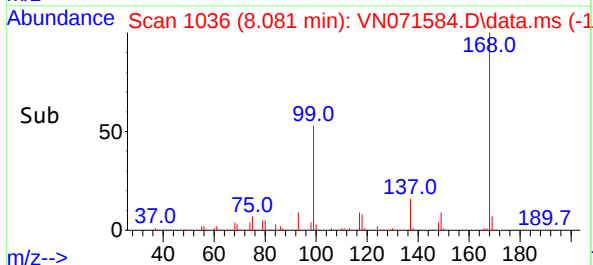
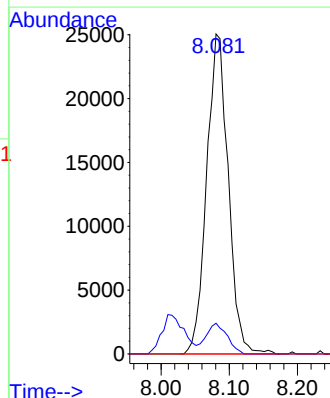
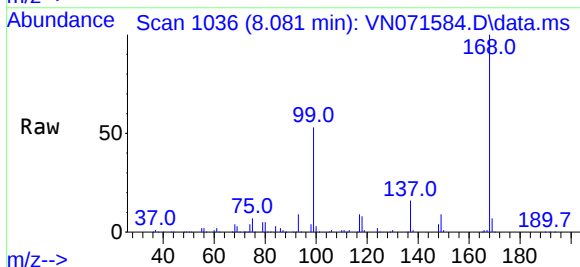
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#12

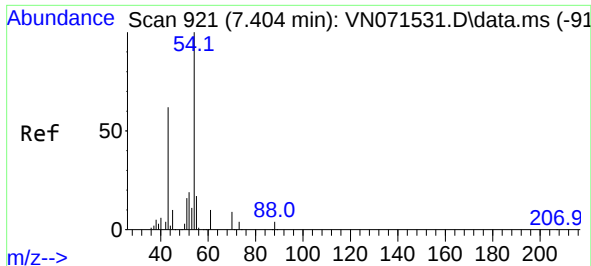
Tgt Ion:113 Resp: 378412
Ion Ratio Lower Upper
113 100
111 101.2 81.4 122.0
192 21.7 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.561 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

Tgt Ion: 75 Resp: 55214
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 25.1 37.7#

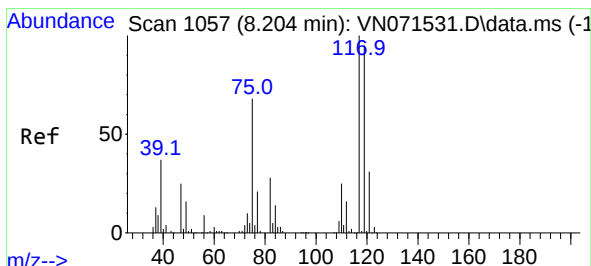
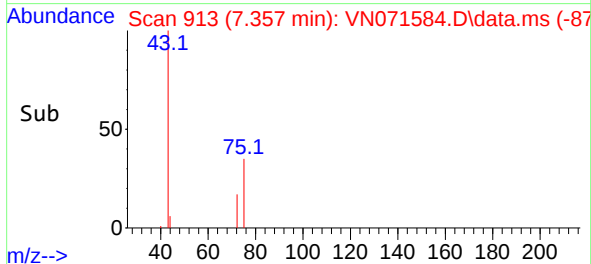
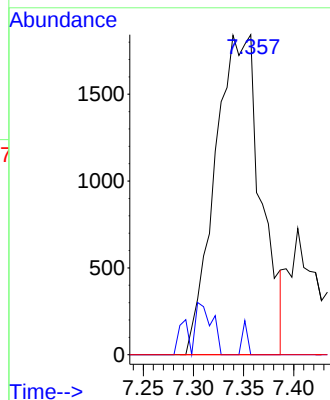
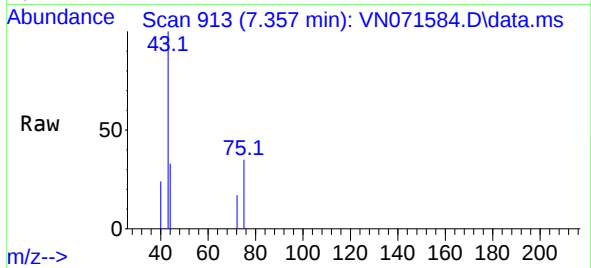




#37
Ethyl Acetate
Concen: 0.444 ug/l
RT: 7.357 min Scan# 91
Delta R.T. -0.047 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

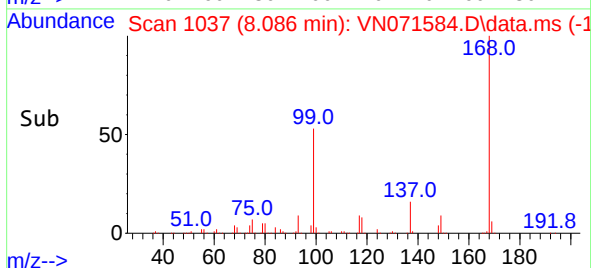
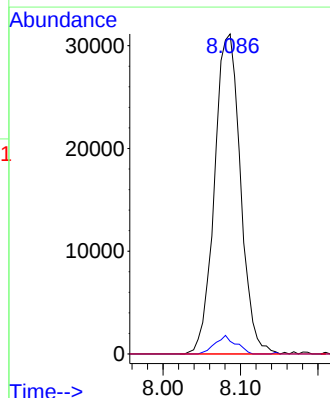
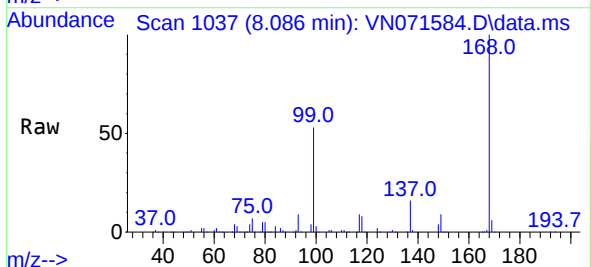
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#12

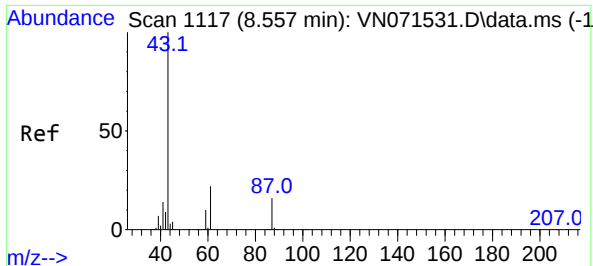
Tgt Ion: 43 Resp: 5854
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.140 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

Tgt Ion: 117 Resp: 72449
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.8#
121 0.0 24.6 37.0#

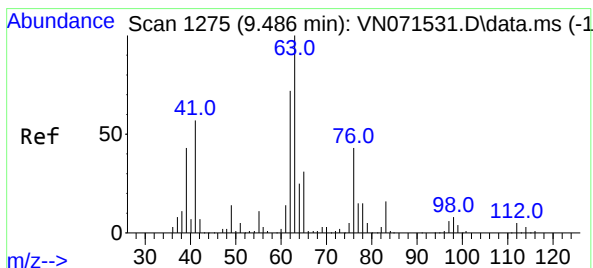
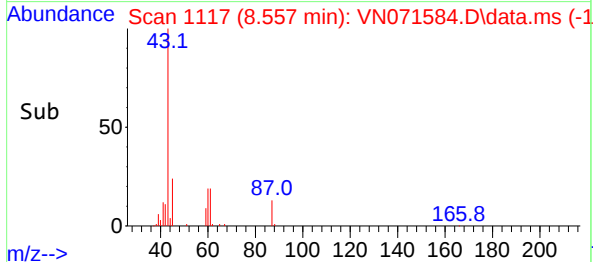
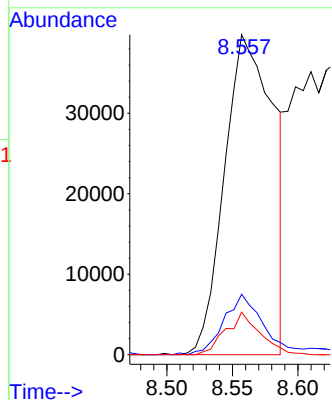
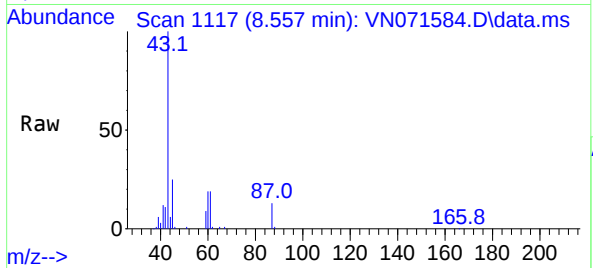




#43
Isopropyl Acetate
Concen: 4.533 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

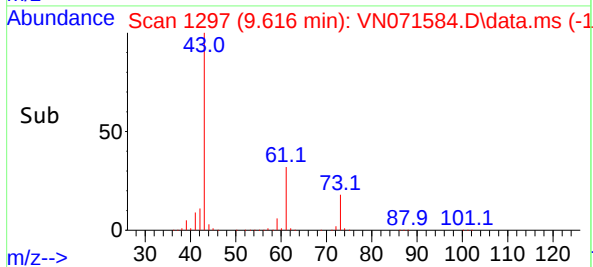
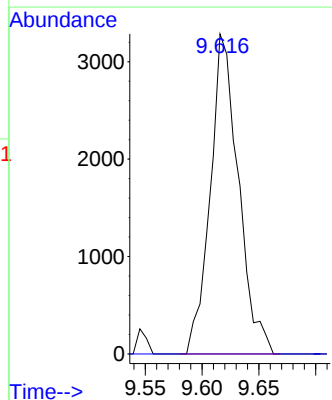
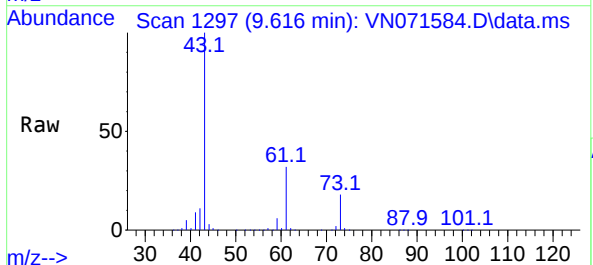
Instrument : MSVOA_N
ClientSampleId : PB143590ZHE#12

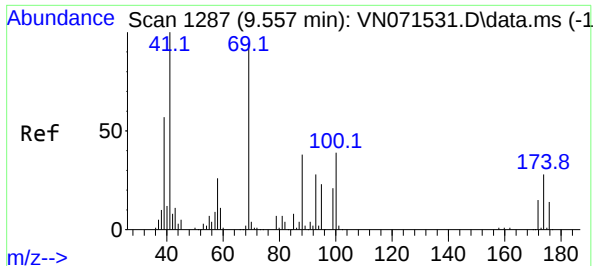
Tgt Ion: 43 Resp: 103432
Ion Ratio Lower Upper
43 100
61 15.2 21.9 32.9#
87 9.3 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.607 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.129 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

Tgt Ion: 63 Resp: 5665
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 1.777 ug/l

RT: 9.545 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN071584.D

Acq: 26 Mar 2022 19:51

Instrument :

MSVOA_N

ClientSampleId :

PB143590ZHE#12

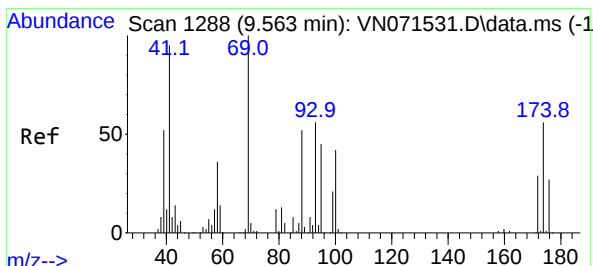
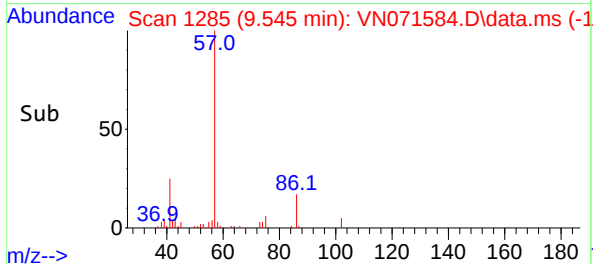
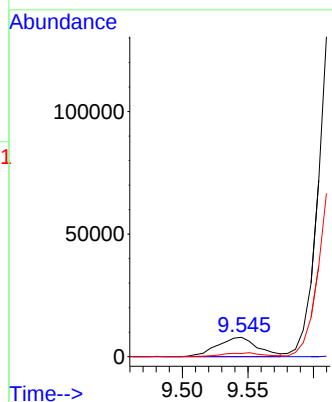
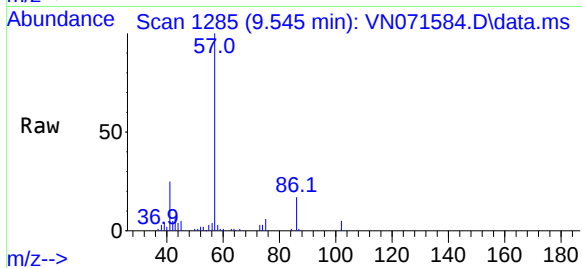
Tgt Ion: 41 Resp: 16926

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: 2.102 ug/l

RT: 9.616 min Scan# 1297

Delta R.T. 0.053 min

Lab File: VN071584.D

Acq: 26 Mar 2022 19:51

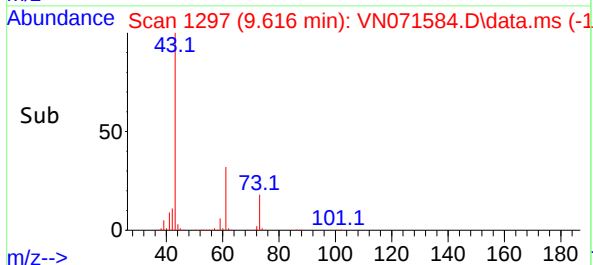
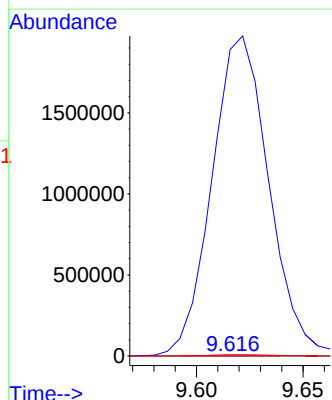
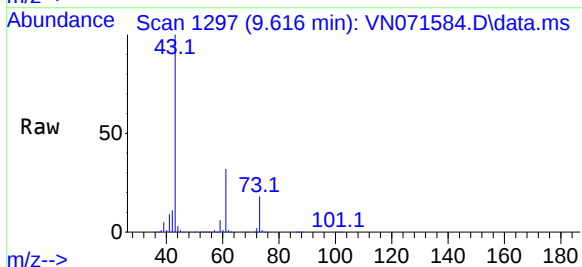
Tgt Ion: 88 Resp: 462

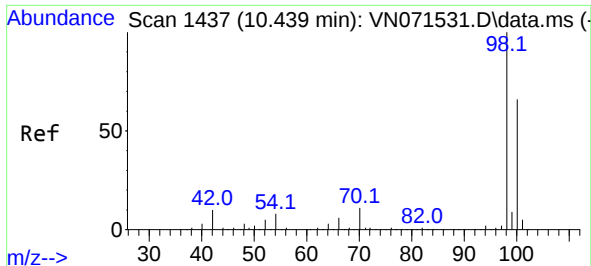
Ion Ratio Lower Upper

88 100

43 809597.2 20.2 30.4#

58 3543.9 54.2 81.4#

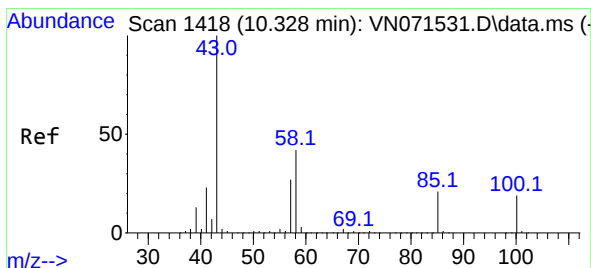
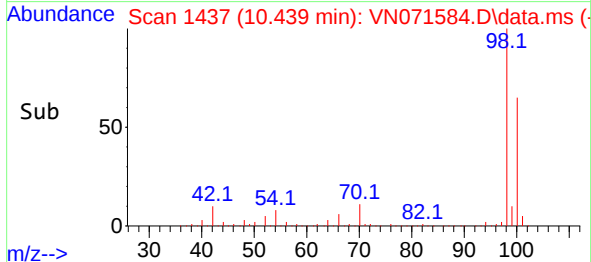
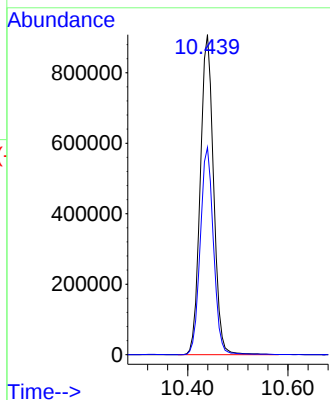
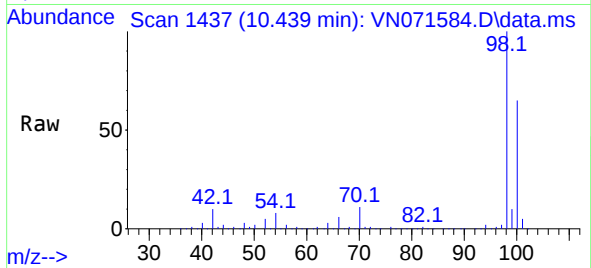




#50
Toluene-d8
Concen: 49.320 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

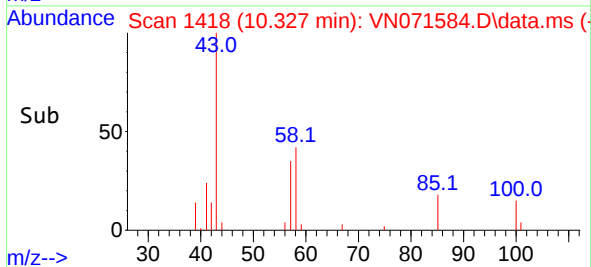
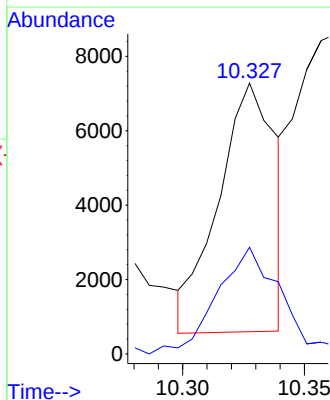
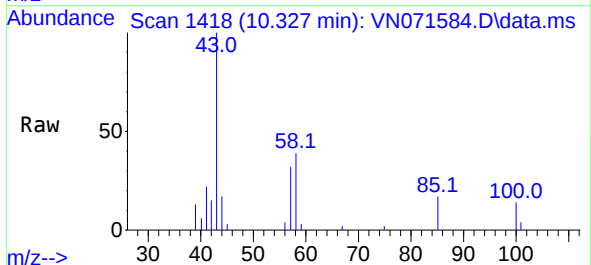
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#12

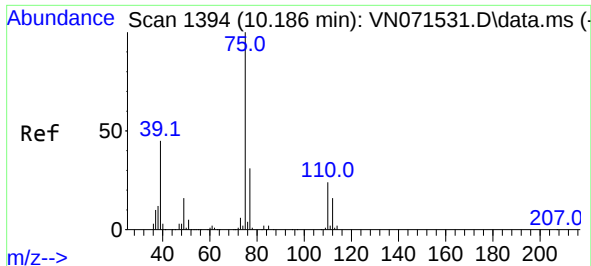
Tgt Ion: 98 Resp: 1670263
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.828 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

Tgt Ion: 43 Resp: 10934
Ion Ratio Lower Upper
43 100
58 47.5 34.1 51.1

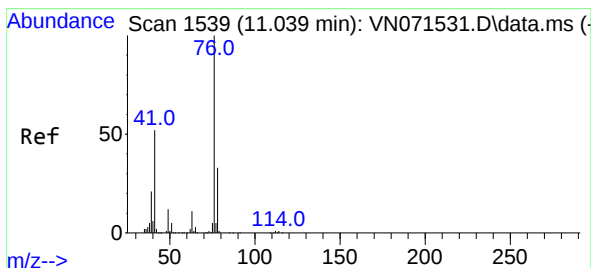
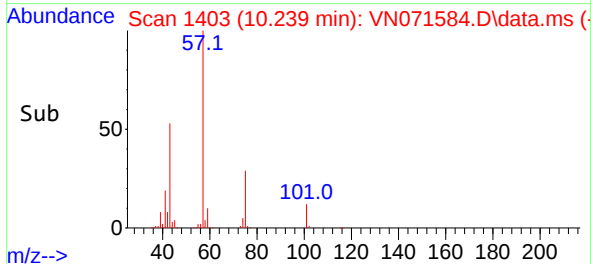
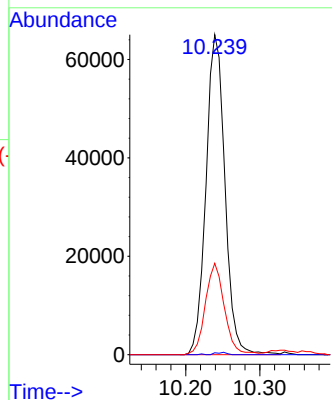
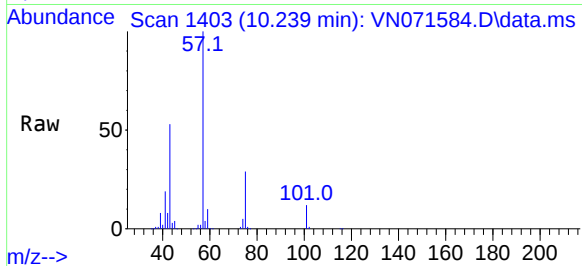




#54
cis-1,3-Dichloropropene
Concen: 7.820 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

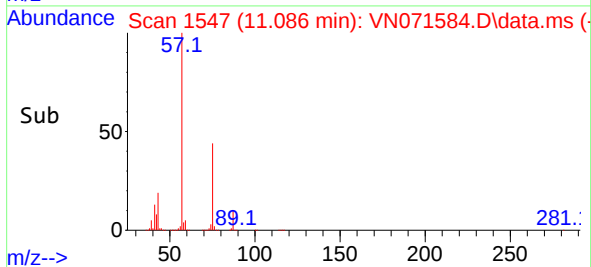
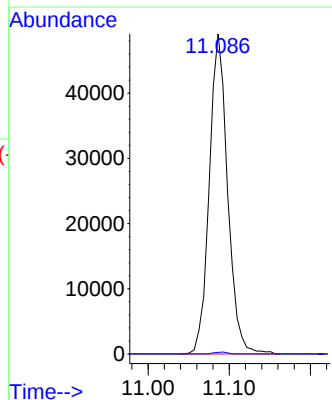
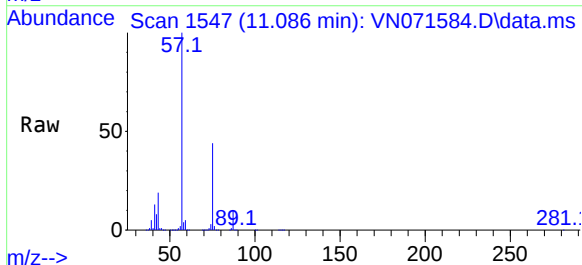
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#12

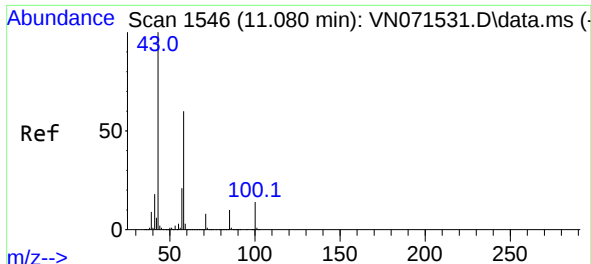
Tgt Ion: 75 Resp: 115471
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 28.6 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 4.772 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

Tgt Ion: 76 Resp: 76775
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

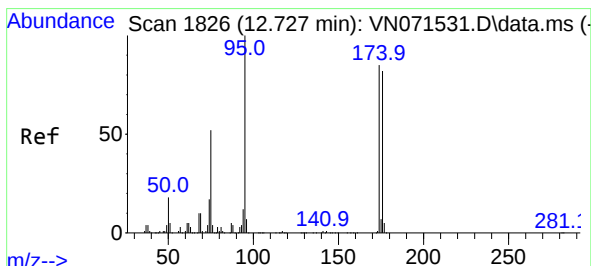
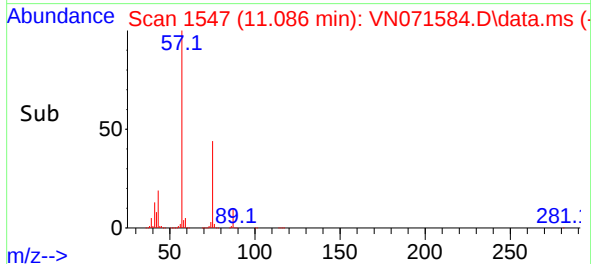
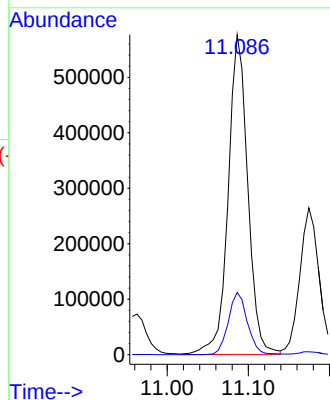
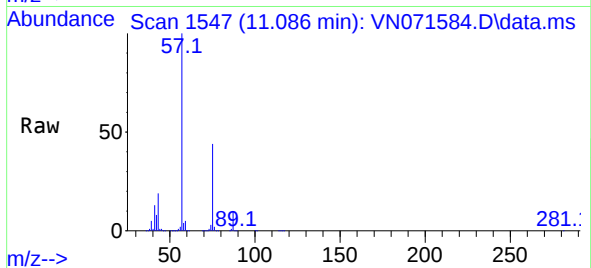




#59
2-Hexanone
Concen: 101.418 ug/l
RT: 11.086 min Scan# 1108
Delta R.T. 0.006 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

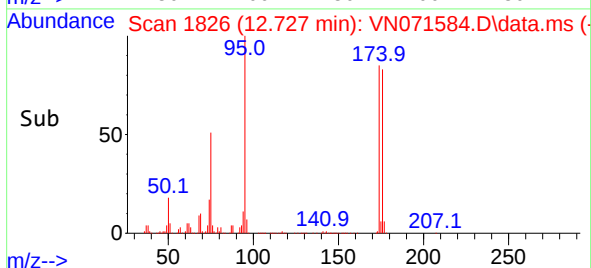
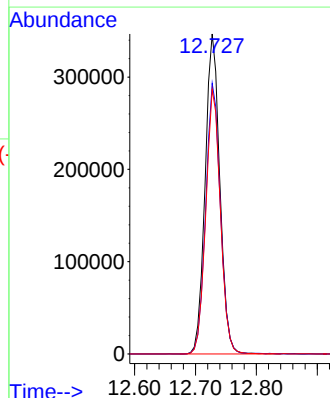
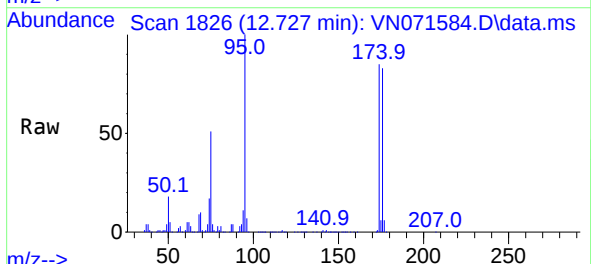
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#12

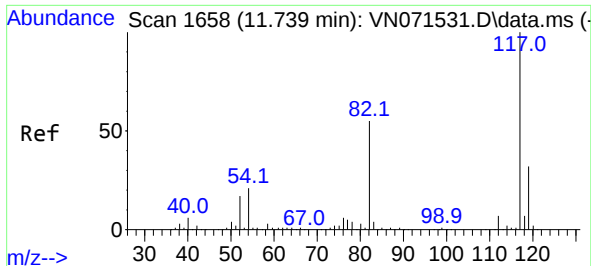
Tgt Ion: 43 Resp: 965833
Ion Ratio Lower Upper
43 100
58 19.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 52.199 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

Tgt Ion: 95 Resp: 579226
Ion Ratio Lower Upper
95 100
174 84.5 0.0 167.6
176 82.3 0.0 163.4

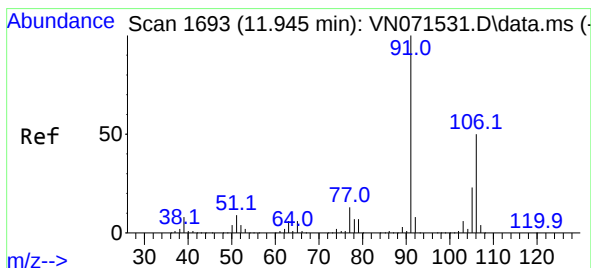
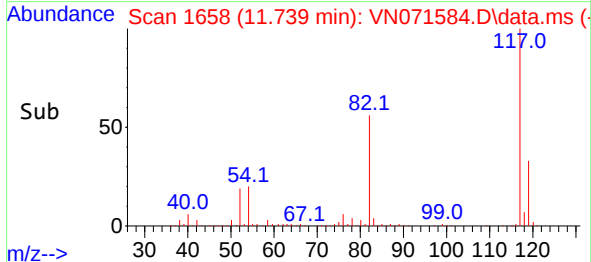
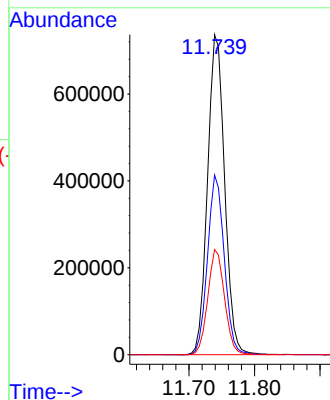
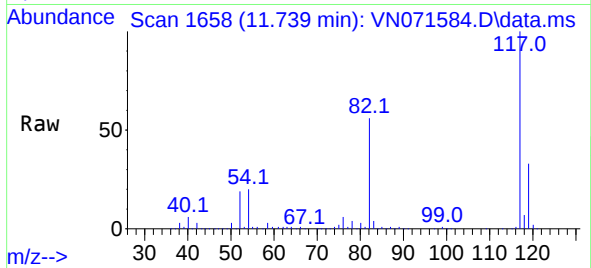




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

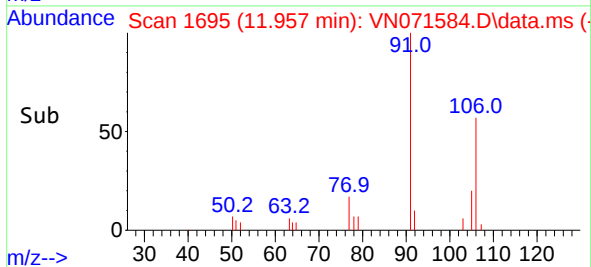
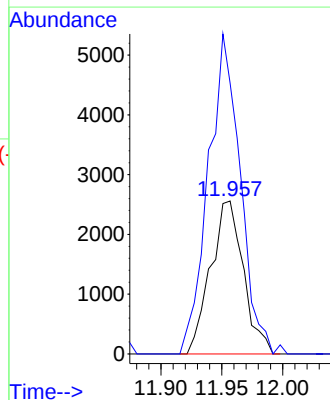
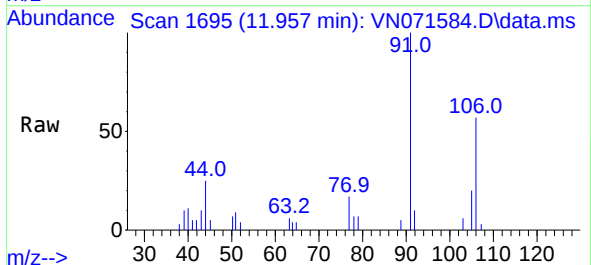
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#12

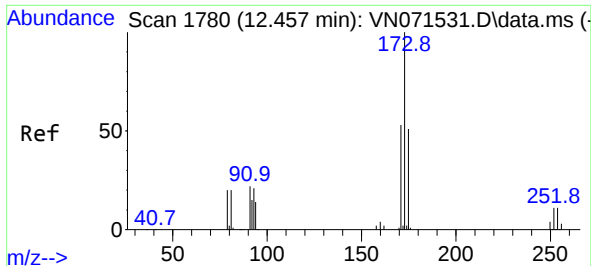
Tgt Ion:117 Resp: 1337468
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.2
119 32.9 25.4 38.0



#68
m/p-Xylenes
Concen: 0.256 ug/l
RT: 11.957 min Scan# 1695
Delta R.T. 0.012 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

Tgt Ion:106 Resp: 4781
Ion Ratio Lower Upper
106 100
91 205.1 158.9 238.3

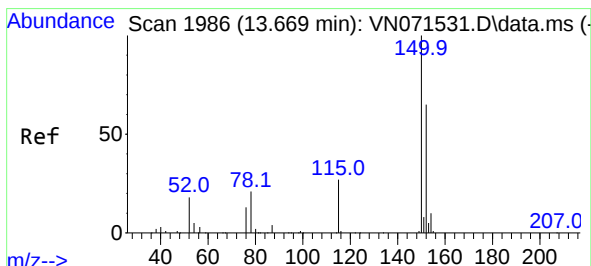
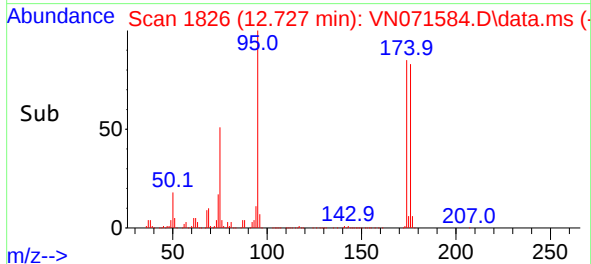
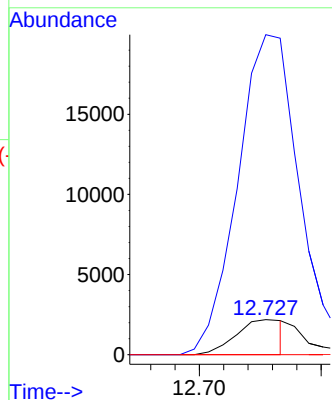
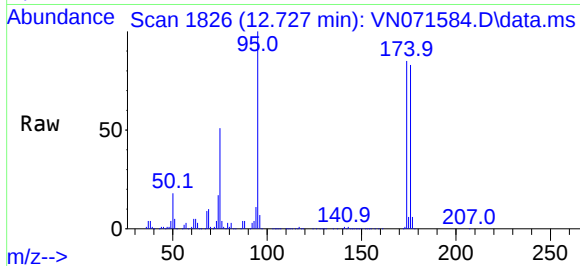




#71
Bromoform
Concen: 0.376 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

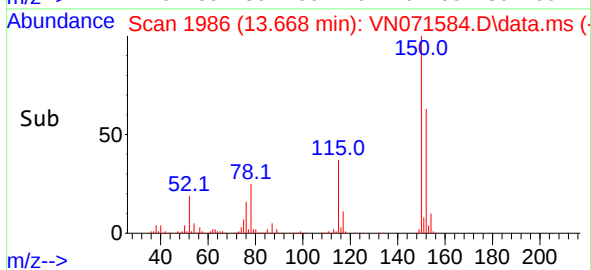
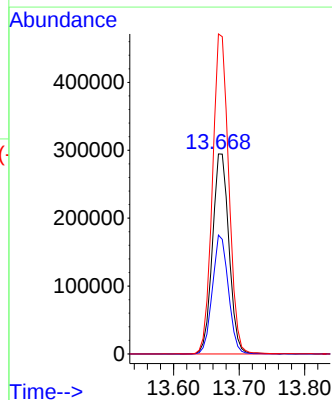
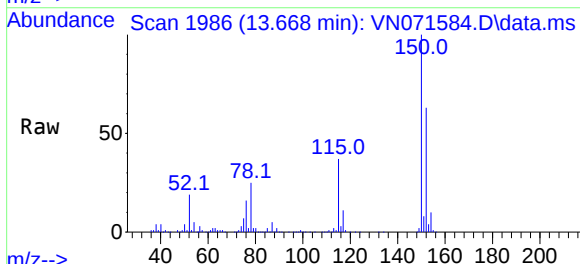
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#12

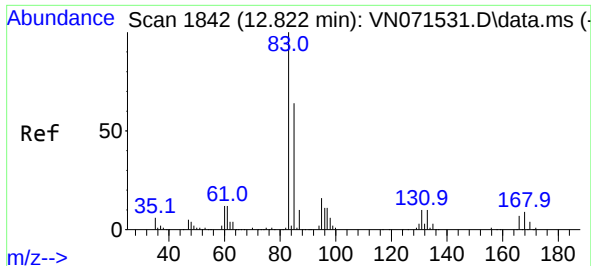
Tgt Ion:173 Resp: 2965
Ion Ratio Lower Upper
173 100
175 893.6 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

Tgt Ion:152 Resp: 514548
Ion Ratio Lower Upper
152 100
115 57.6 28.9 86.7
150 158.0 0.0 356.2

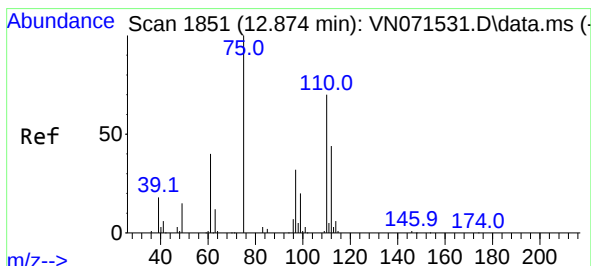
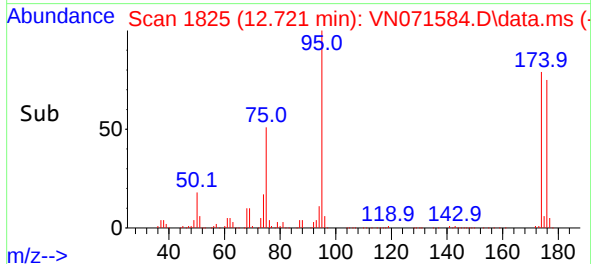
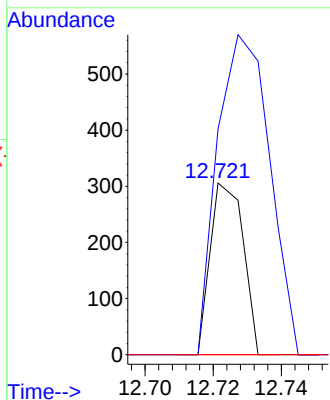
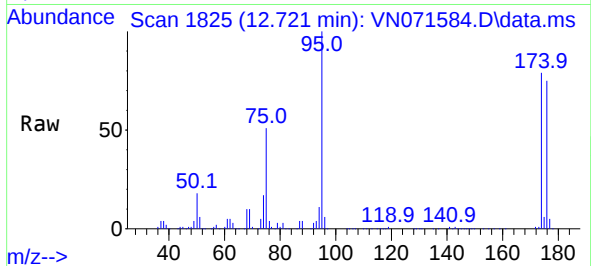




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.721 min Scan# 1825
Delta R.T. -0.101 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

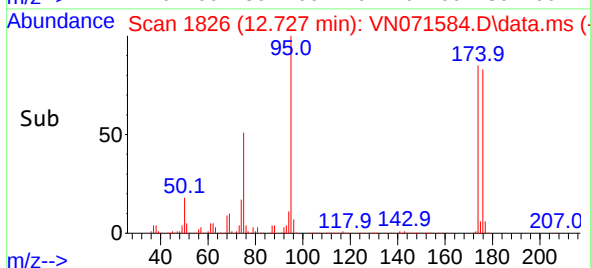
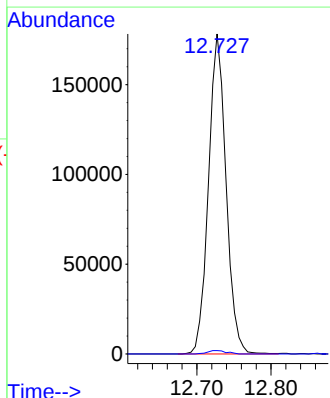
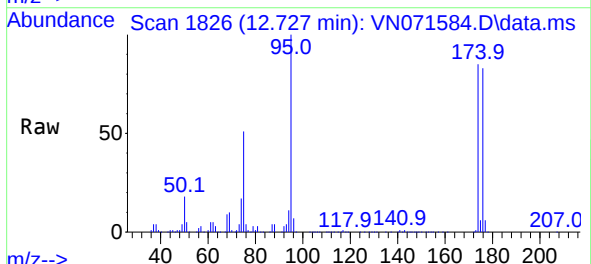
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#12

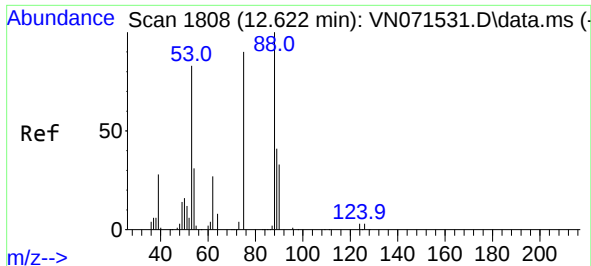
Tgt Ion: 83 Resp: 205
Ion Ratio Lower Upper
83 100
131 296.6 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 25.535 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

Tgt Ion: 75 Resp: 292986
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#

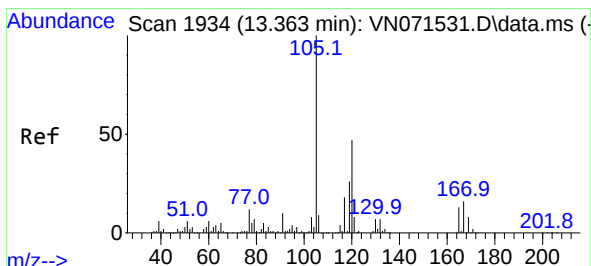
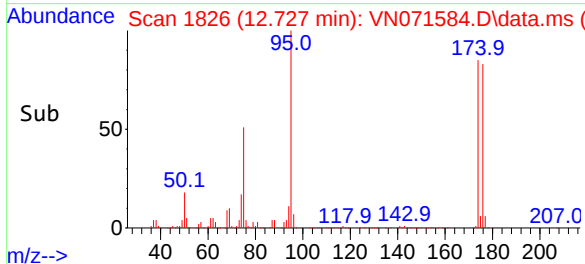
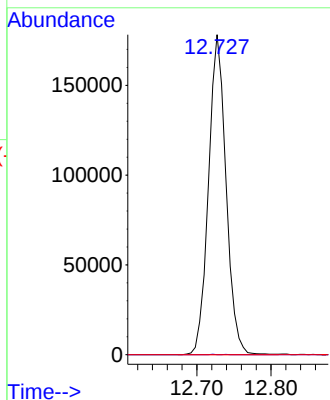
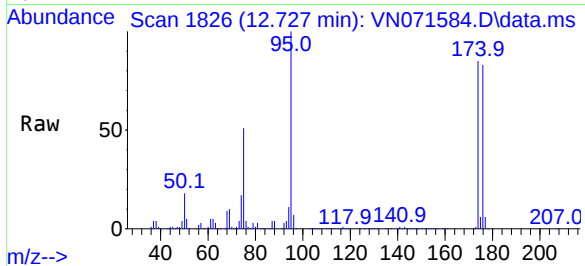




#81
trans-1,4-Dichloro-2-butene
Concen: 68.365 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

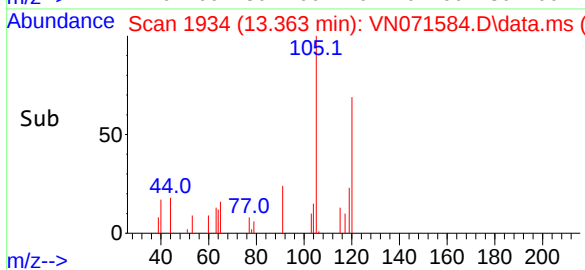
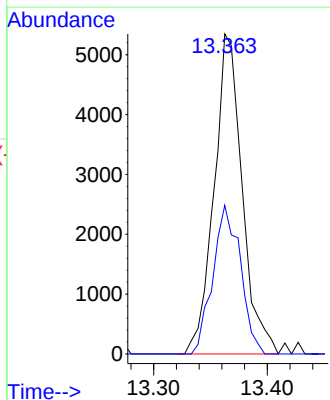
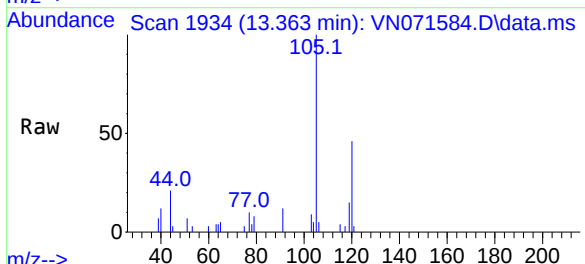
Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#12

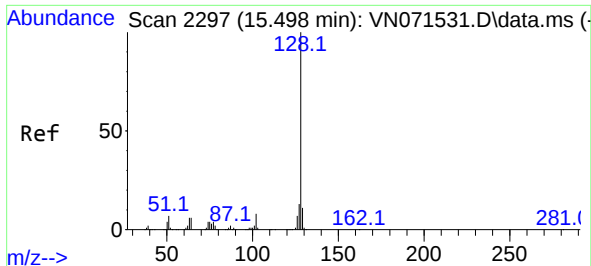
Tgt Ion: 75 Resp: 292986
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.266 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

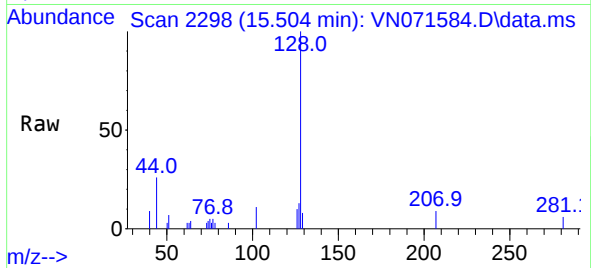
Tgt Ion: 105 Resp: 9185
Ion Ratio Lower Upper
105 100
120 45.5 23.3 69.8





#95
Naphthalene
Concen: 3.643 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071584.D
Acq: 26 Mar 2022 19:51

Instrument :
MSVOA_N
ClientSampleId :
PB143590ZHE#12



Tgt Ion:	128	Resp:	11986
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	9.7	8.6	13.0

