

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069874.D
 Acq On : 8 Dec 2021 20:44
 Operator : JC/MD
 Sample : PB141231ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB141231ZHE#05

Quant Time: Dec 09 11:47:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

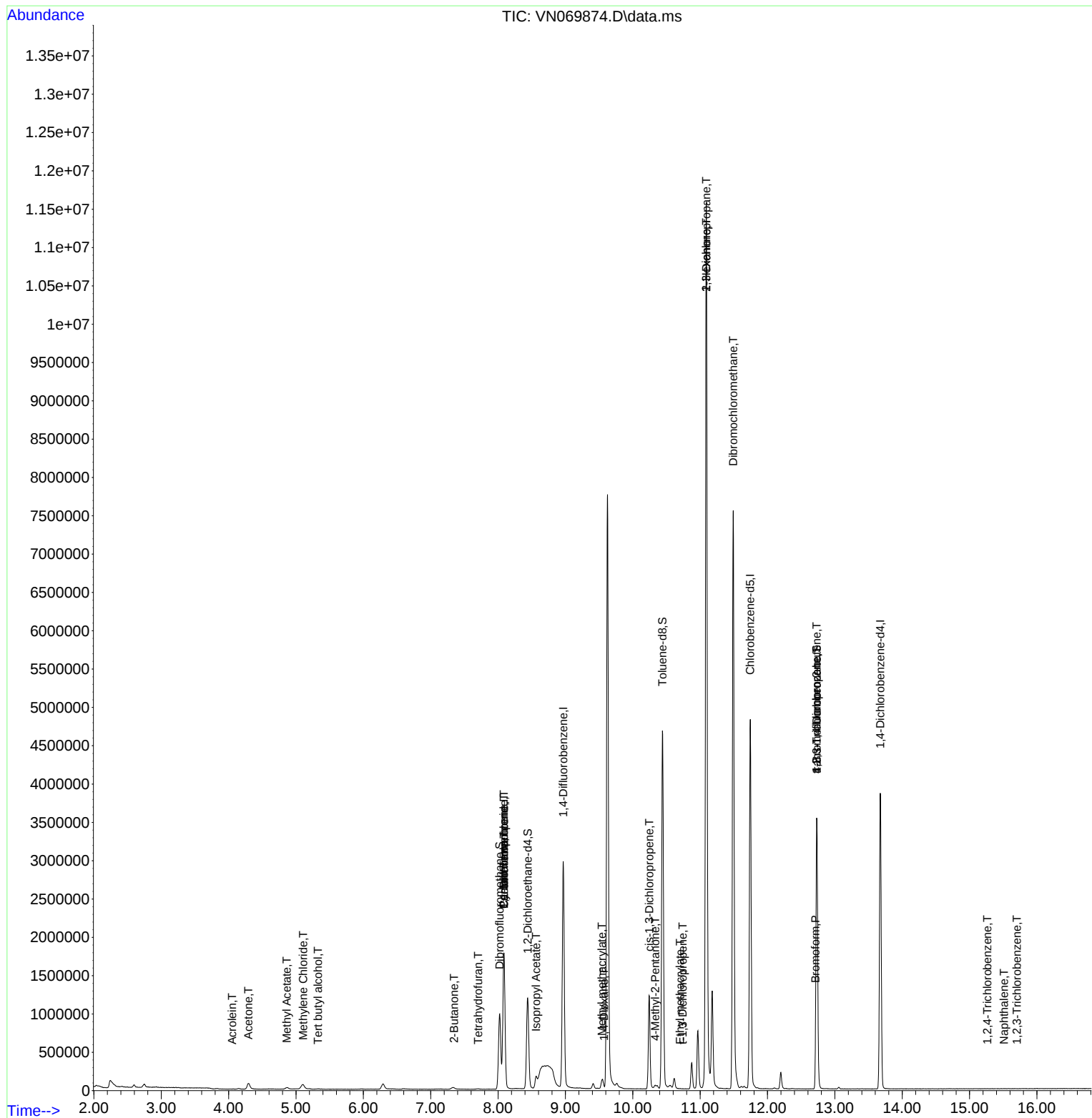
Internal Standards						
1) Pentafluorobenzene	8.085	168	1313458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2444028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2652928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1024027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1040988	51.331	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.660%			
35) Dibromofluoromethane	8.024	113	712600	46.548	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 93.100%			
50) Toluene-d8	10.440	98	3196041	51.993	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.980%			
62) 4-Bromofluorobenzene	12.731	95	1233416	55.386	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 110.780%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.326	59	3466	0.904	ug/l #	71
13) Acrolein	4.052	56	712	0.218	ug/l	92
16) Acetone	4.293	43	144526	11.847	ug/l	95
18) Methyl Acetate	4.862	43	46530	1.264	ug/l #	87
20) Methylene Chloride	5.106	84	40817	2.517	ug/l	84
25) 2-Butanone	7.348	43	24360	1.470	ug/l	96
29) Tetrahydrofuran	7.705	42	4988	0.496	ug/l #	52
31) Cyclohexane	8.085	56	34814	1.234	ug/l #	34
36) 1,1-Dichloropropene	8.085	75	110163	4.735	ug/l #	49
38) Carbon Tetrachloride	8.088	117	135230	5.927	ug/l #	17
43) Isopropyl Acetate	8.563	43	187525	3.659	ug/l #	81
48) Methyl methacrylate	9.542	41	36617	1.531	ug/l #	8
49) 1,4-Dioxane	9.571	88	112	0.261	ug/l #	27
51) 4-Methyl-2-Pentanone	10.333	43	21334	0.642	ug/l #	81
53) t-1,3-Dichloropropene	10.741	75	89	2.797	ug/l #	43
54) cis-1,3-Dichloropropene	10.244	75	195047	8.253	ug/l #	71
56) Ethyl methacrylate	10.700	69	768	2.301	ug/l #	24
57) 1,3-Dichloropropane	11.089	76	117755	3.818	ug/l #	43
59) 2-Hexanone	11.092	43	2082175	82.796	ug/l #	48
60) Dibromochloromethane	11.492	129	1062	2.430	ug/l #	11
71) Bromoform	12.712	173	772	2.776	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	692521	23.582	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	692521	74.973	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	85	2.883	ug/l #	84
95) Naphthalene	15.509	128	870	4.001	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.702	180	118	2.442	ug/l #	77

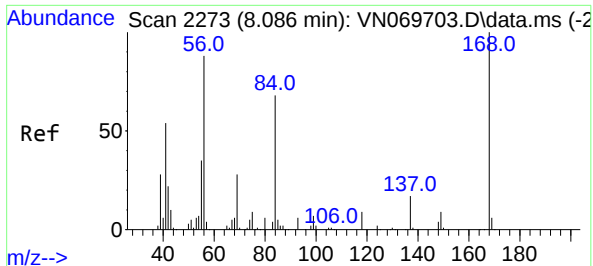
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
Data File : VN069874.D
Acq On : 8 Dec 2021 20:44
Operator : JC/MD
Sample : PB141231ZHE#05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#05

Quant Time: Dec 09 11:47:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

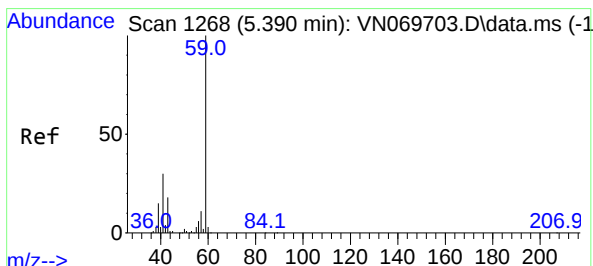
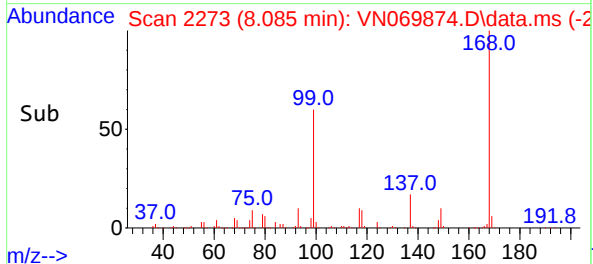
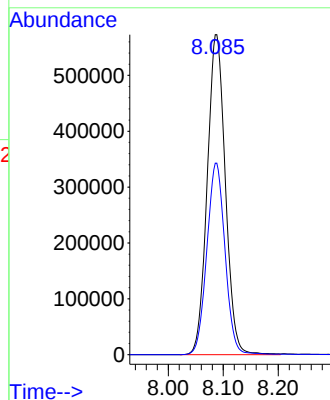
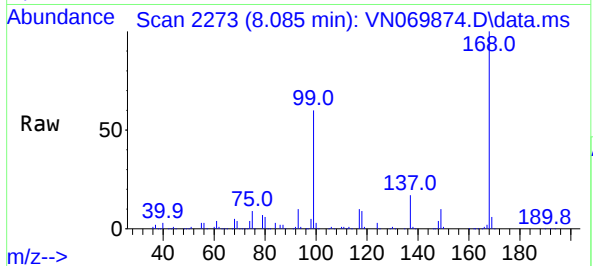




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

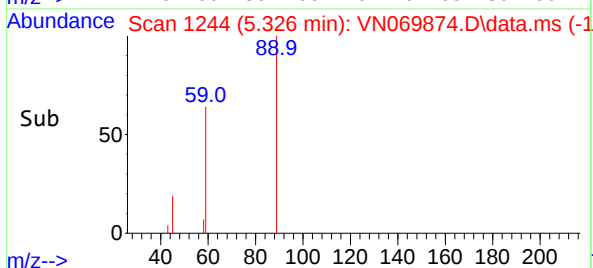
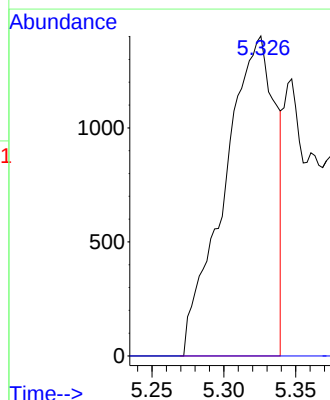
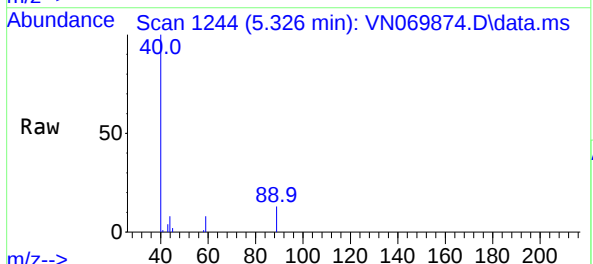
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#05

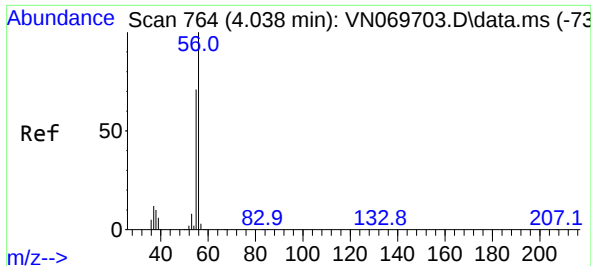
Tgt Ion:168 Resp: 1313458
Ion Ratio Lower Upper
168 100
99 59.8 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.904 ug/l
RT: 5.326 min Scan# 1244
Delta R.T. -0.064 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Tgt Ion: 59 Resp: 3466
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

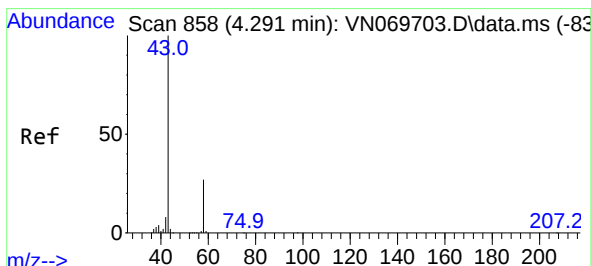
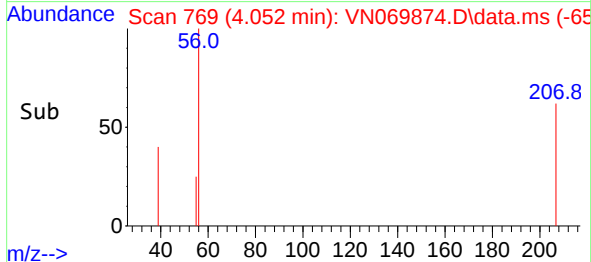
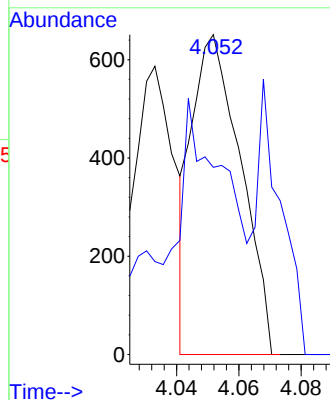
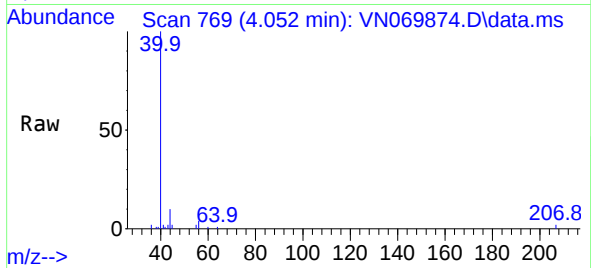




#13
Acrolein
Concen: 0.218 ug/l
RT: 4.052 min Scan# 712
Delta R.T. 0.013 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

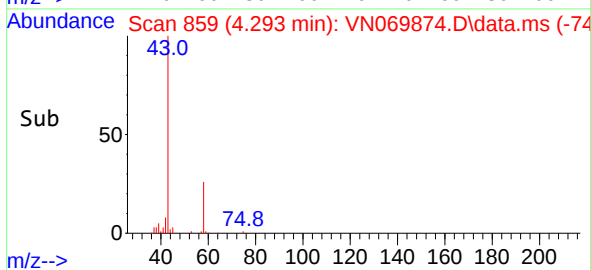
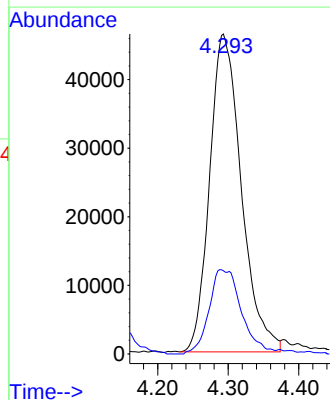
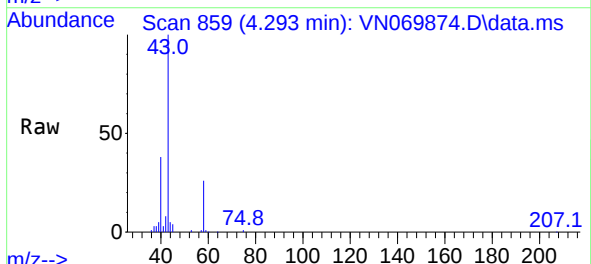
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#05

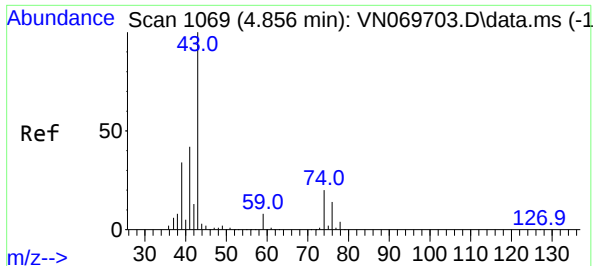
Tgt Ion: 56 Resp: 712
Ion Ratio Lower Upper
56 100
55 77.4 56.6 85.0



#16
Acetone
Concen: 11.847 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Tgt Ion: 43 Resp: 144526
Ion Ratio Lower Upper
43 100
58 26.2 23.1 34.7

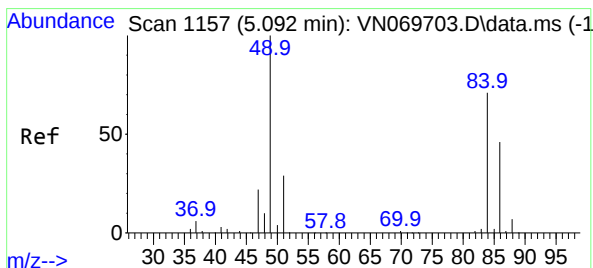
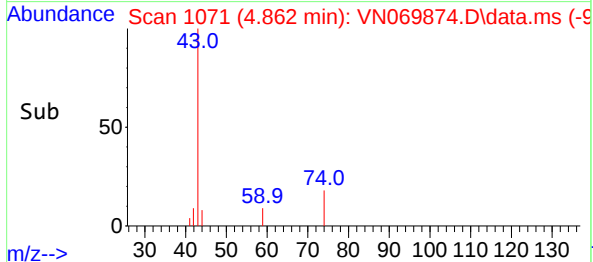
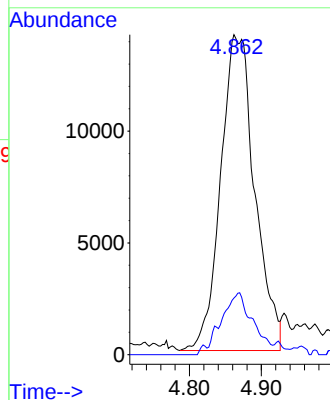
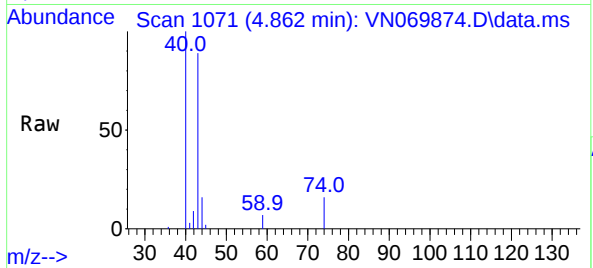




#18
Methyl Acetate
Concen: 1.264 ug/l
RT: 4.862 min Scan# 1069
Delta R.T. 0.005 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

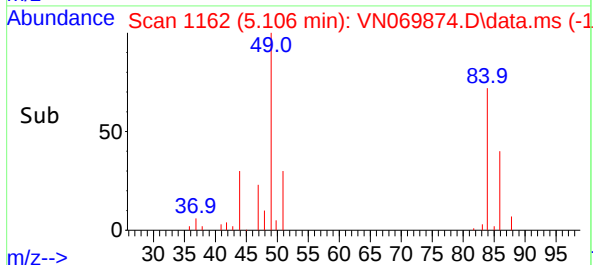
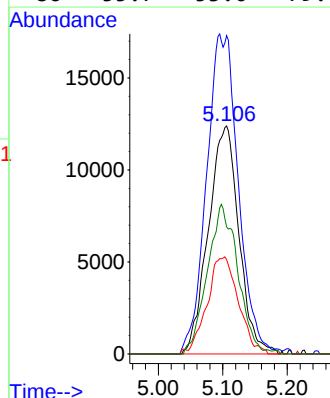
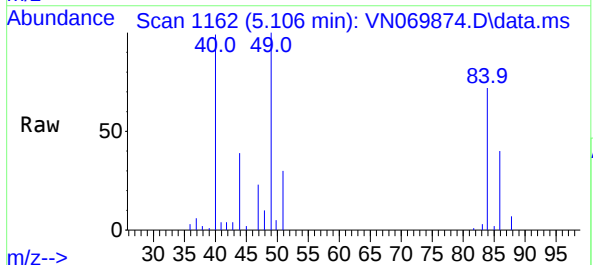
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#05

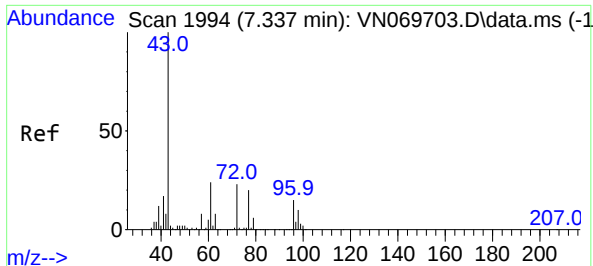
Tgt Ion: 43 Resp: 46530
Ion Ratio Lower Upper
43 100
74 17.7 19.4 29.2#



#20
Methylene Chloride
Concen: 2.517 ug/l
RT: 5.106 min Scan# 1162
Delta R.T. 0.013 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Tgt Ion: 84 Resp: 40817
Ion Ratio Lower Upper
84 100
49 139.6 93.5 140.3
51 41.4 29.4 44.2
86 55.7 53.0 79.4

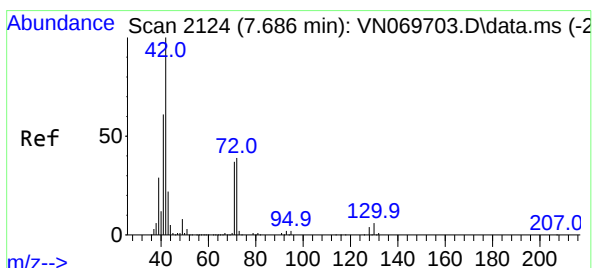
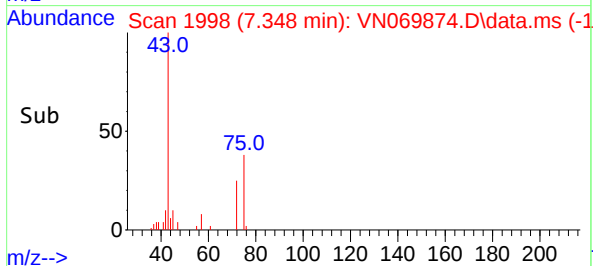
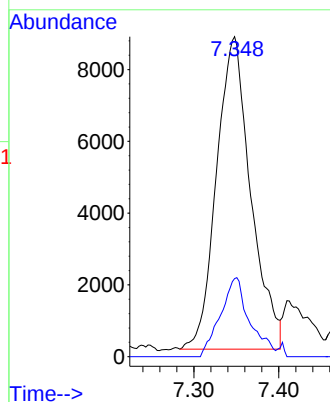
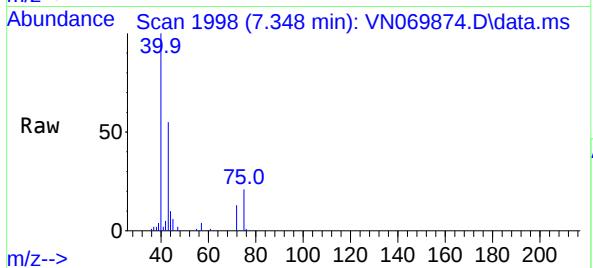




#25
2-Butanone
Concen: 1.470 ug/l
RT: 7.348 min Scan# 1994
Delta R.T. 0.011 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

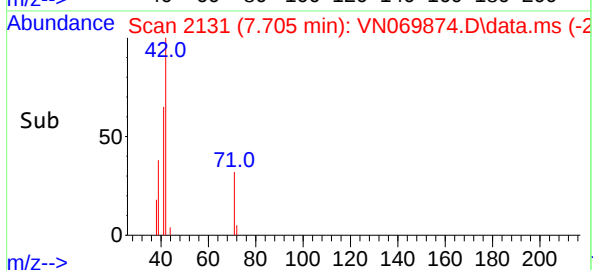
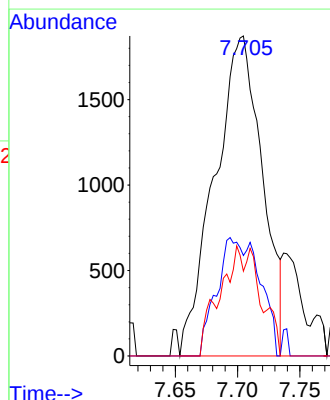
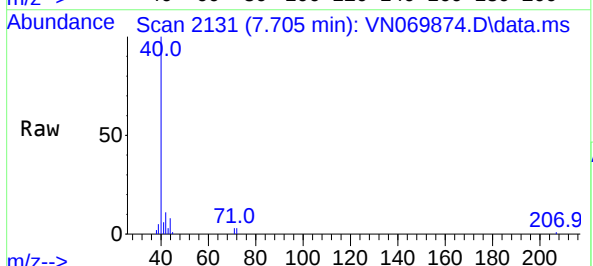
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#05

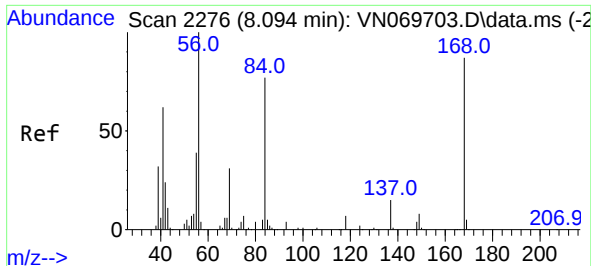
Tgt Ion: 43 Resp: 24360
Ion Ratio Lower Upper
43 100
72 25.0 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.496 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.019 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

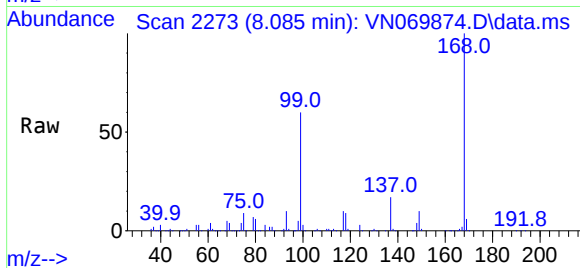
Tgt Ion: 42 Resp: 4988
Ion Ratio Lower Upper
42 100
72 20.1 36.3 54.5#
71 6.4 34.7 52.1#



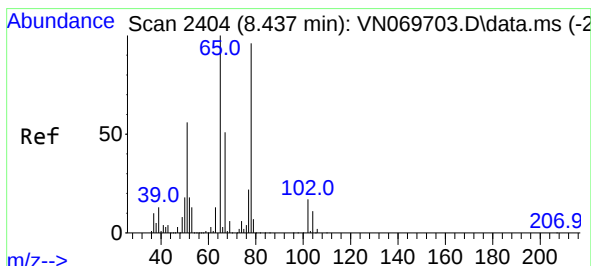
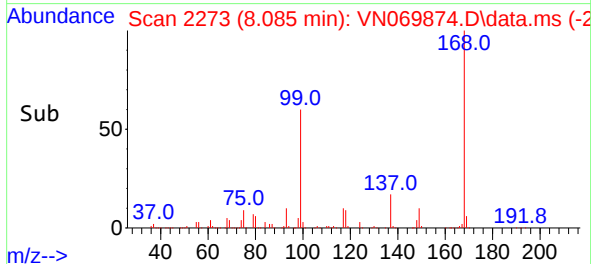
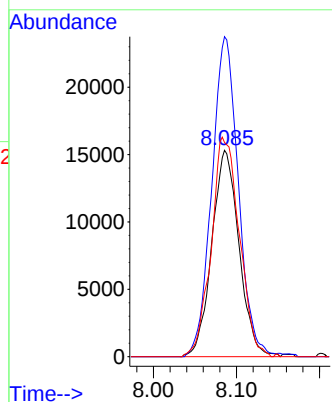


#31
Cyclohexane
Concen: 1.234 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#05

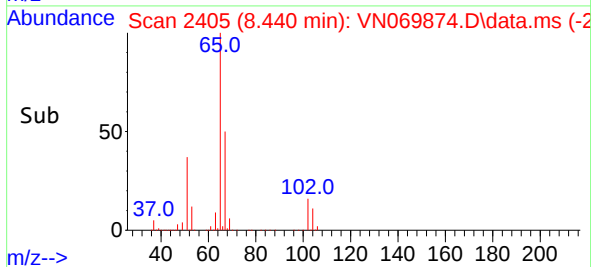
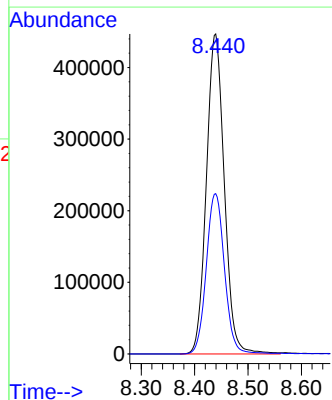
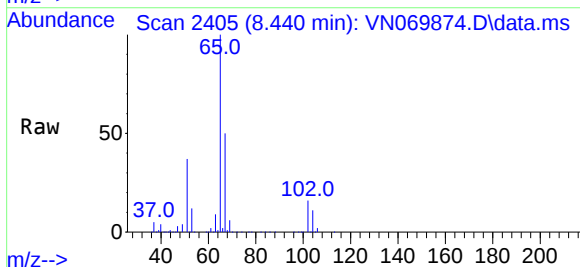


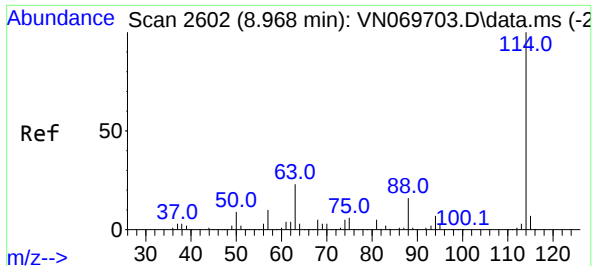
Tgt Ion: 56 Resp: 34814
Ion Ratio Lower Upper
56 100
69 155.1 27.1 40.7#
84 103.8 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 51.331 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Tgt Ion: 65 Resp: 1040988
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. -0.000 min

Lab File: VN069874.D

Acq: 8 Dec 2021 20:44

Instrument :

MSVOA_N

ClientSampleId :

PB141231ZHE#05

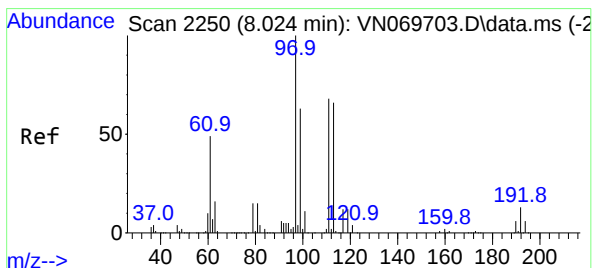
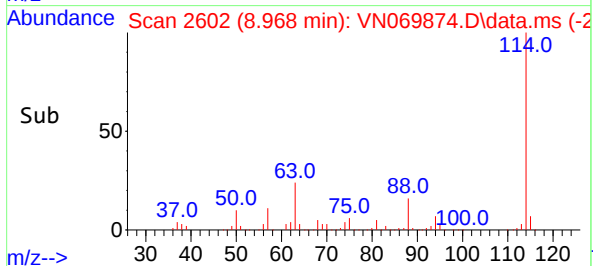
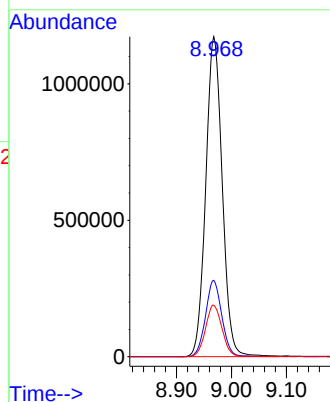
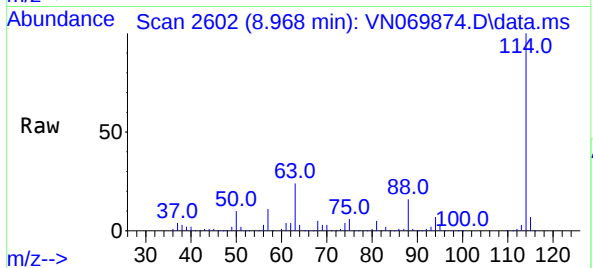
Tgt Ion:114 Resp: 2444028

Ion Ratio Lower Upper

114 100

63 23.9 0.0 37.8

88 16.1 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.548 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. -0.000 min

Lab File: VN069874.D

Acq: 8 Dec 2021 20:44

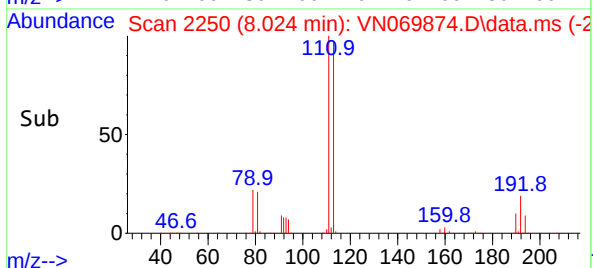
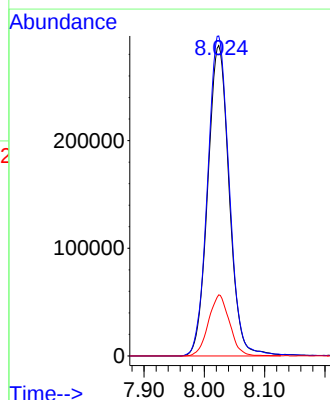
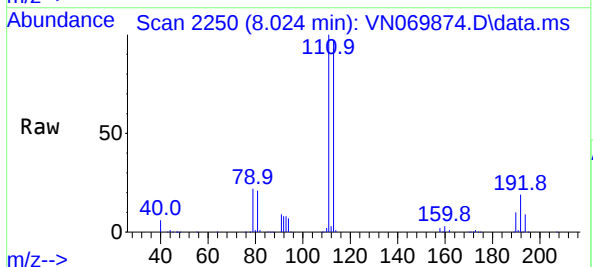
Tgt Ion:113 Resp: 712600

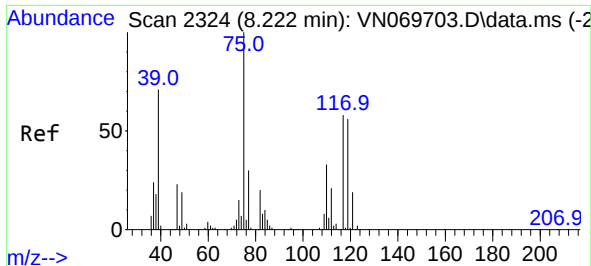
Ion Ratio Lower Upper

113 100

111 104.6 82.2 123.2

192 19.2 16.9 25.3

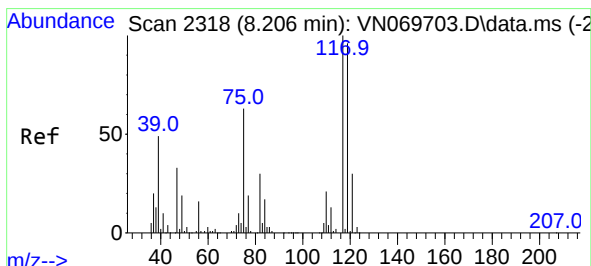
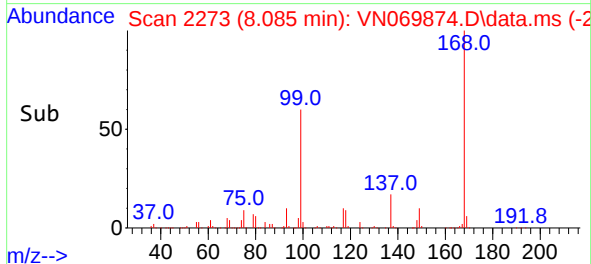
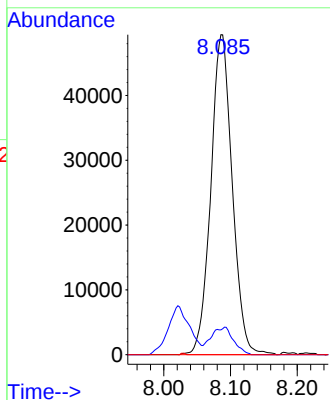
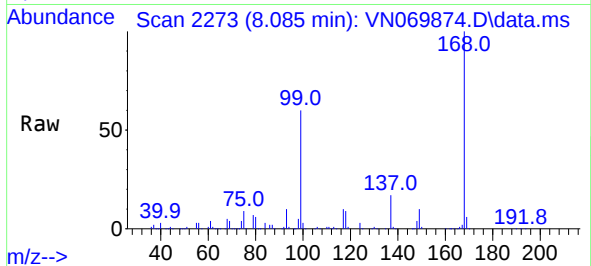




#36
1,1-Dichloropropene
Concen: 4.735 ug/l
RT: 8.085 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

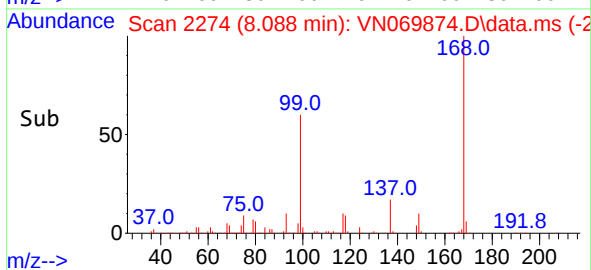
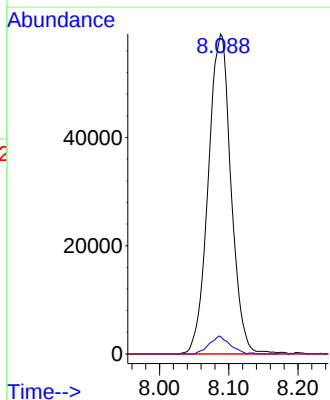
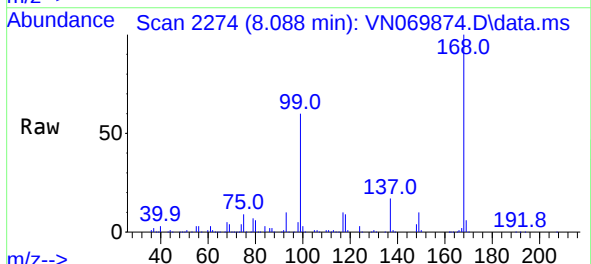
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#05

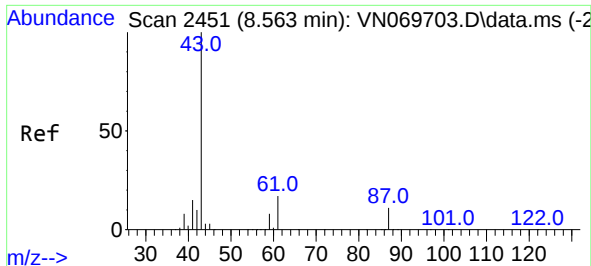
Tgt Ion: 75 Resp: 110163
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.927 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Tgt Ion: 117 Resp: 135230
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 3.659 ug/l

RT: 8.563 min Scan# 2451

Delta R.T. -0.000 min

Lab File: VN069874.D

Acq: 8 Dec 2021 20:44

Instrument :

MSVOA_N

ClientSampleId :

PB141231ZHE#05

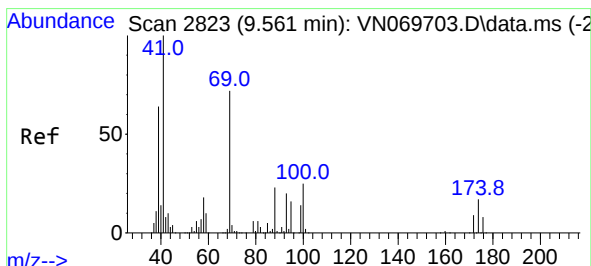
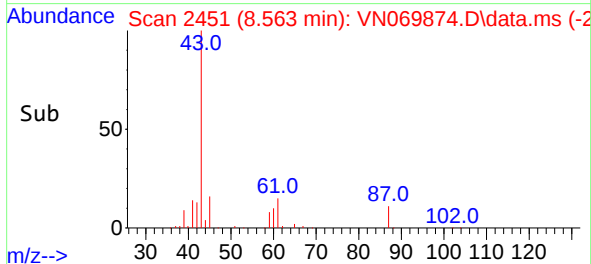
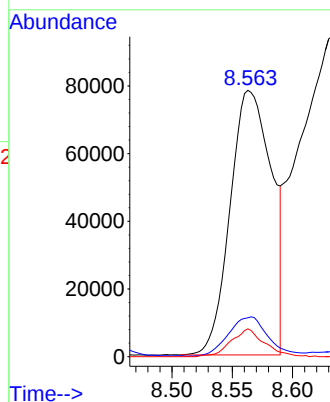
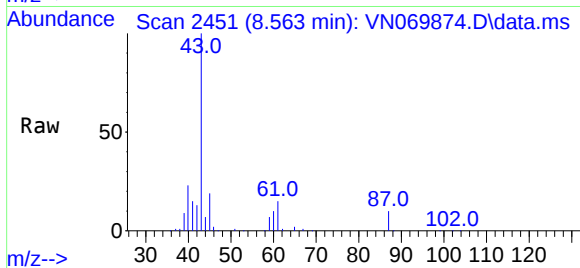
Tgt Ion: 43 Resp: 187525

Ion Ratio Lower Upper

43 100

61 14.1 20.4 30.6#

87 8.4 11.2 16.8#



#48

Methyl methacrylate

Concen: 1.531 ug/l

RT: 9.542 min Scan# 2816

Delta R.T. -0.019 min

Lab File: VN069874.D

Acq: 8 Dec 2021 20:44

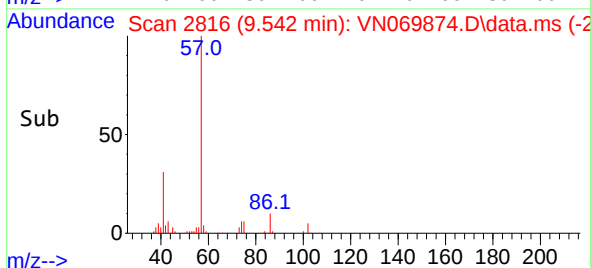
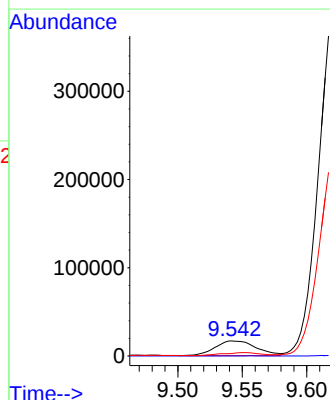
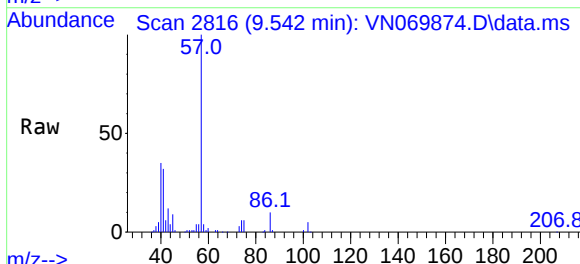
Tgt Ion: 41 Resp: 36617

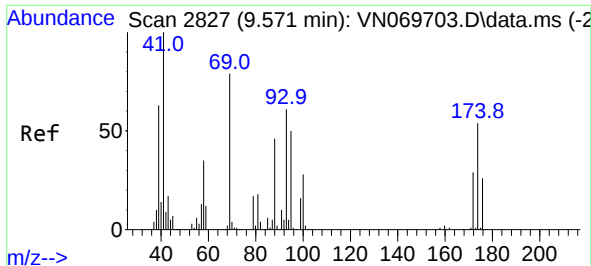
Ion Ratio Lower Upper

41 100

69 0.1 72.4 108.6#

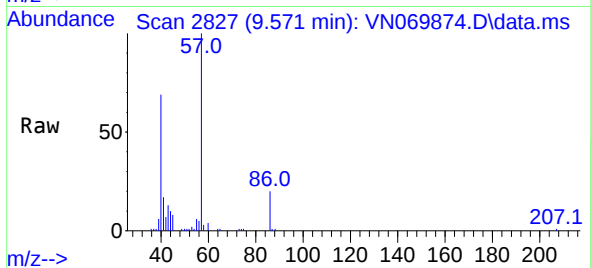
39 0.0 58.4 87.6#



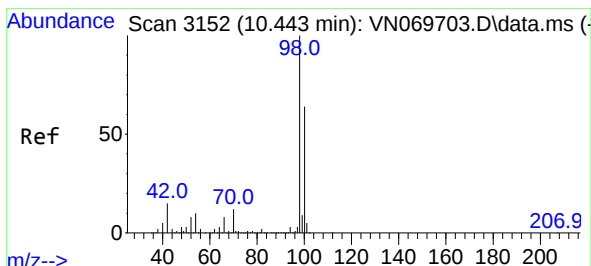
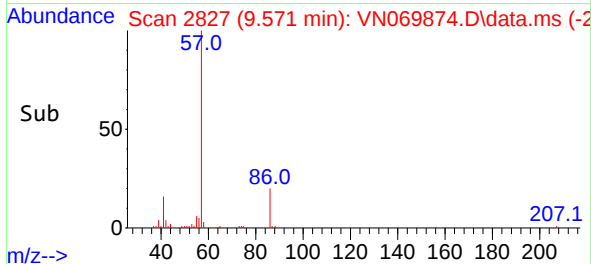
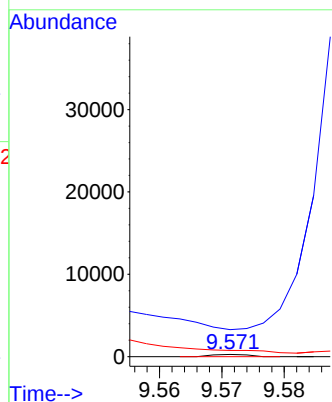


#49
1,4-Dioxane
Concen: 0.261 ug/l
RT: 9.571 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#05

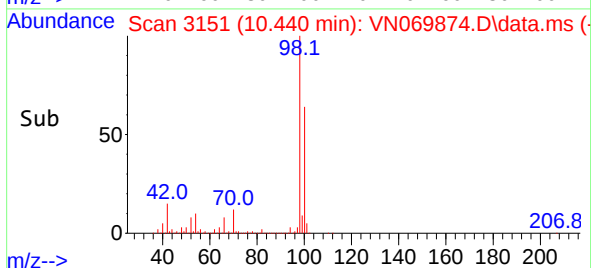
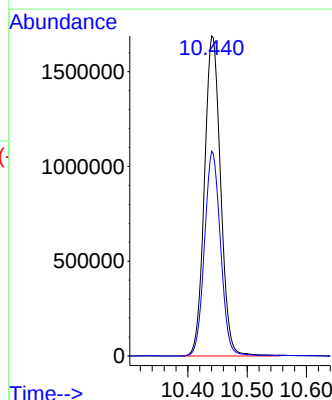
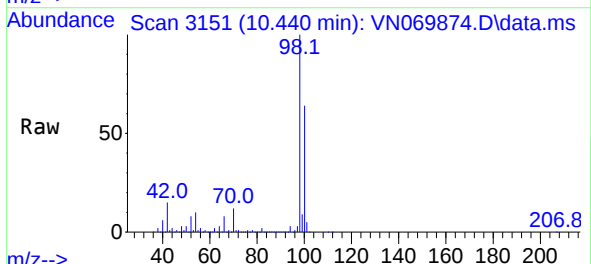


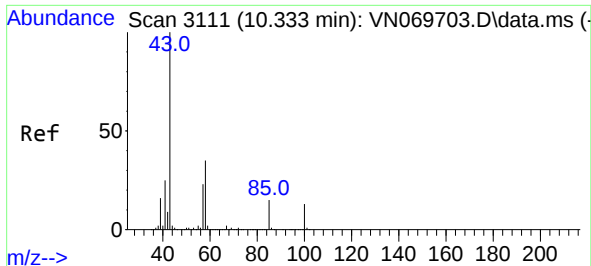
Tgt Ion: 88 Resp: 112
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 51.993 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Tgt Ion: 98 Resp: 3196041
Ion Ratio Lower Upper
98 100
100 63.5 50.4 75.6

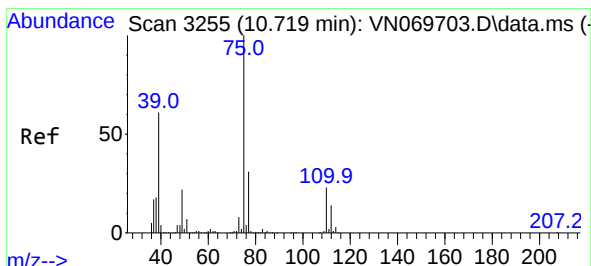
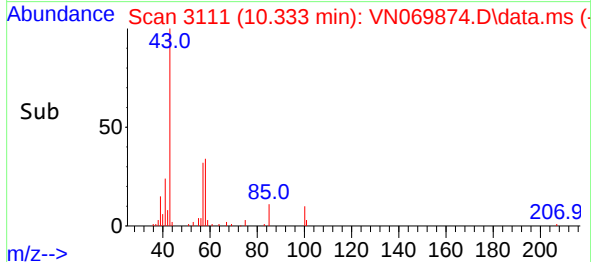
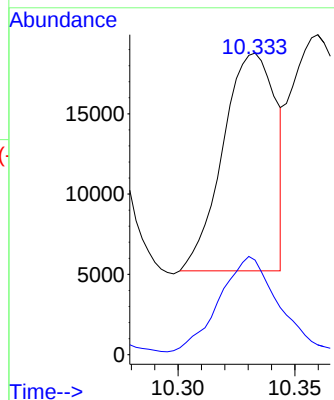
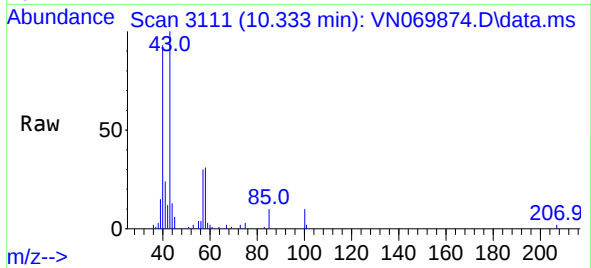




#51
4-Methyl-2-Pentanone
Concen: 0.642 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. -0.000 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

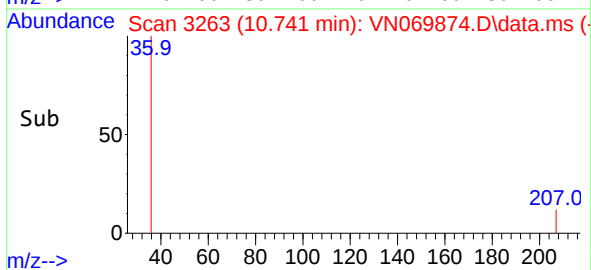
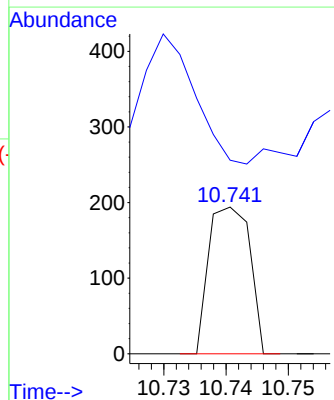
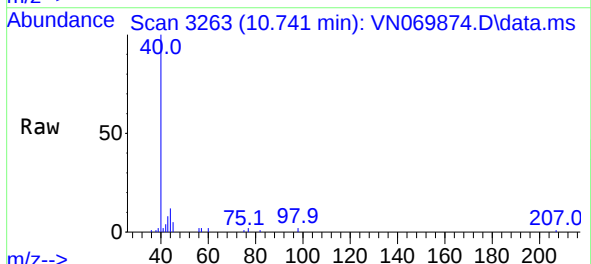
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#05

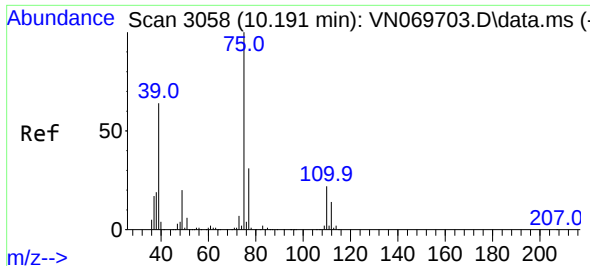
Tgt Ion: 43 Resp: 21334
Ion Ratio Lower Upper
43 100
58 49.2 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.797 ug/l
RT: 10.741 min Scan# 3263
Delta R.T. 0.022 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Tgt Ion: 75 Resp: 89
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#

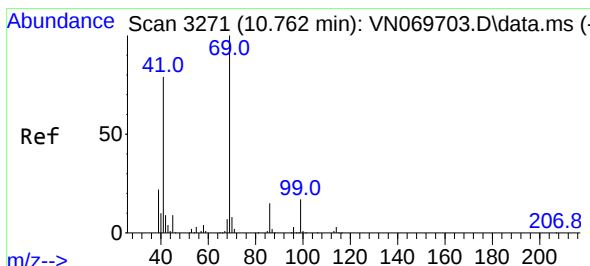
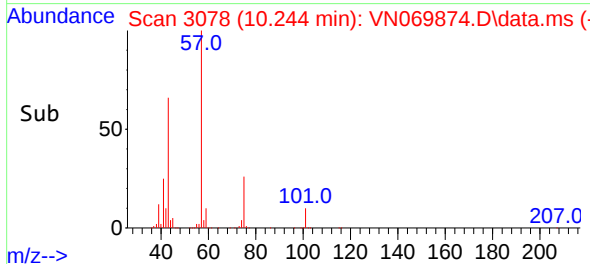
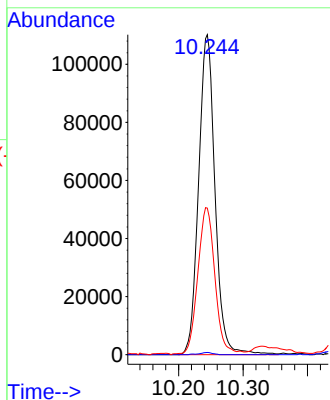
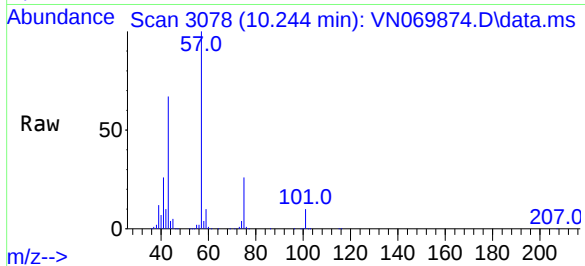




#54
cis-1,3-Dichloropropene
Concen: 8.253 ug/l
RT: 10.244 min Scan# 3058
Delta R.T. 0.053 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

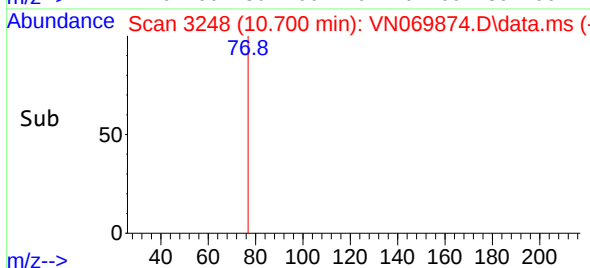
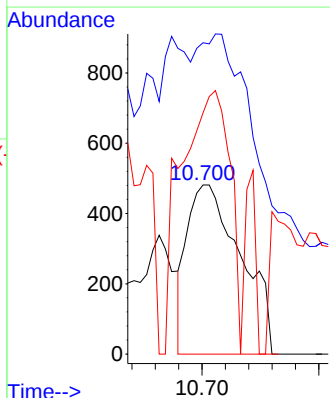
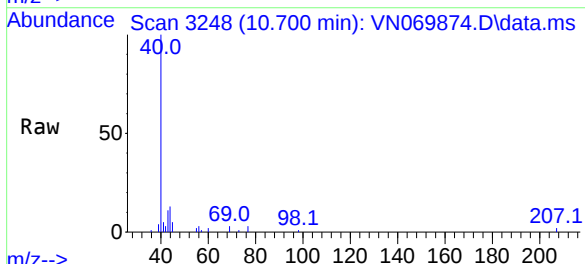
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#05

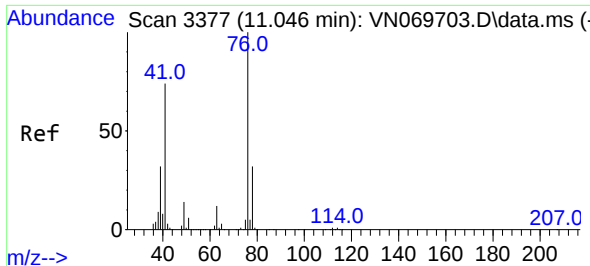
Tgt Ion: 75 Resp: 195047
Ion Ratio Lower Upper
75 100
77 0.7 26.4 39.6#
39 45.5 42.5 63.7



#56
Ethyl methacrylate
Concen: 2.301 ug/l
RT: 10.700 min Scan# 3248
Delta R.T. -0.062 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Tgt Ion: 69 Resp: 768
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#

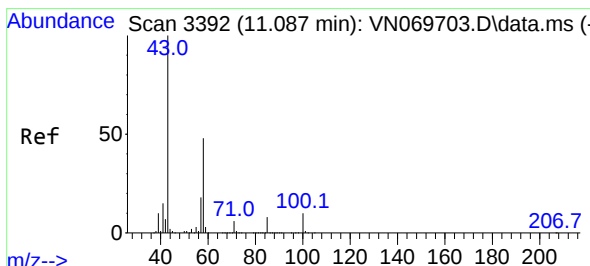
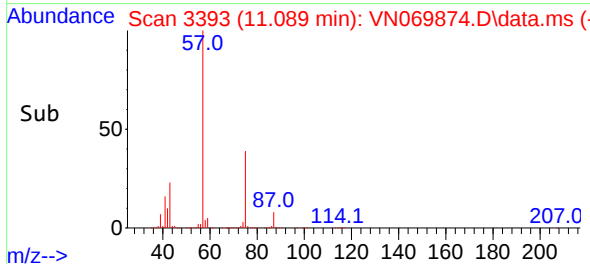
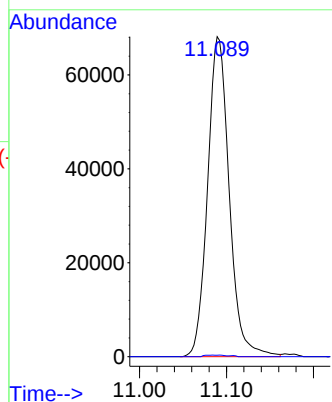
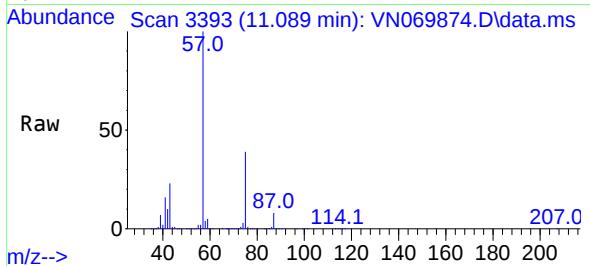




#57
1,3-Dichloropropane
Concen: 3.818 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.043 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

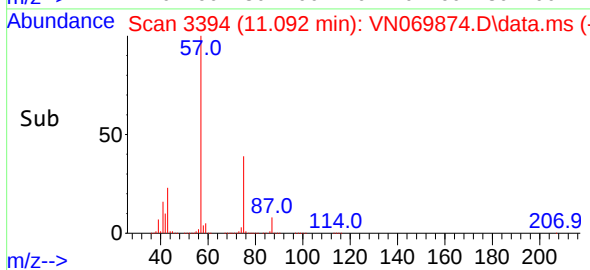
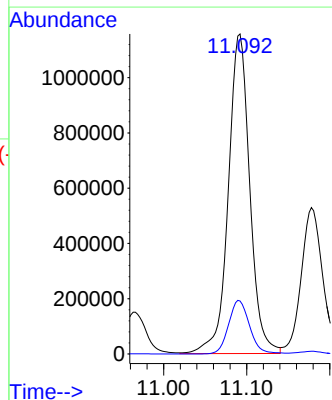
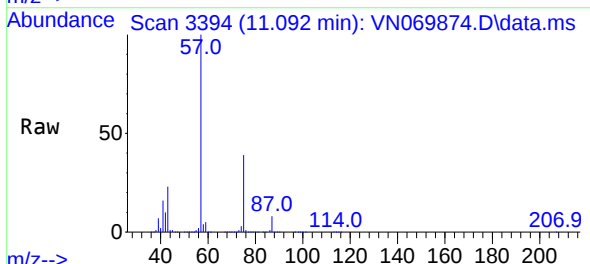
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#05

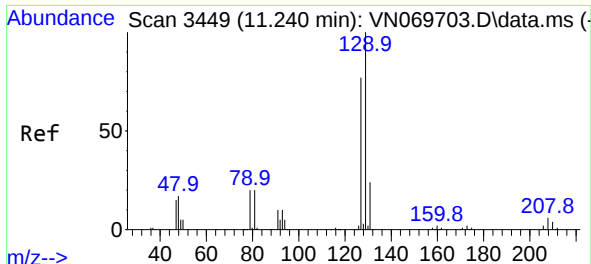
Tgt Ion: 76 Resp: 117755
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#



#59
2-Hexanone
Concen: 82.796 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Tgt Ion: 43 Resp: 2082175
Ion Ratio Lower Upper
43 100
58 16.4 26.9 80.7#

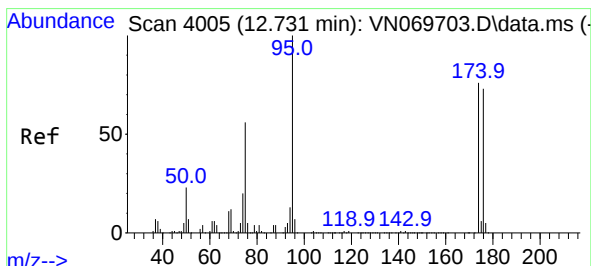
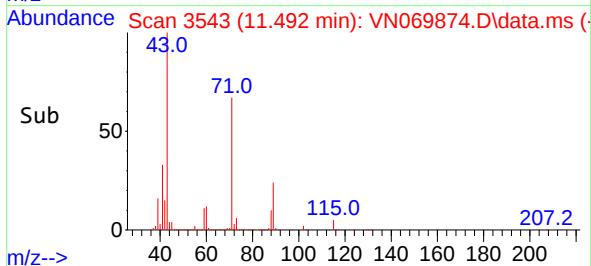
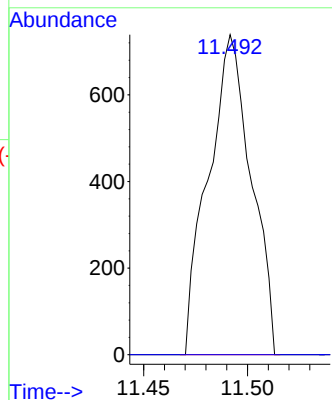
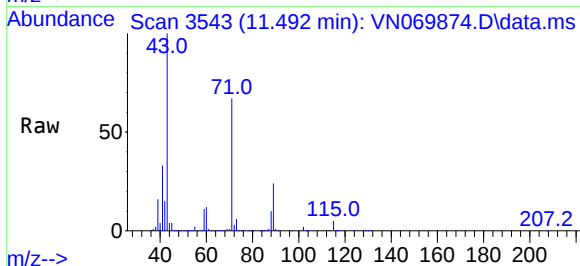




#60
Dibromochloromethane
Concen: 2.430 ug/l
RT: 11.492 min Scan# 311
Delta R.T. 0.252 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

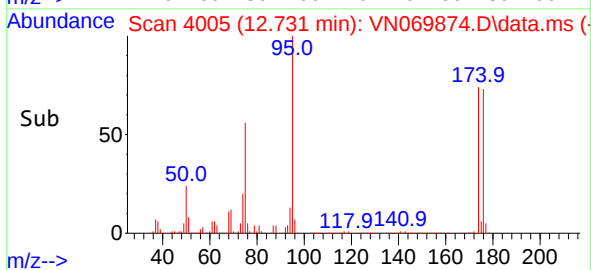
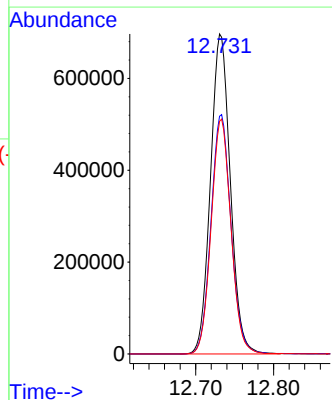
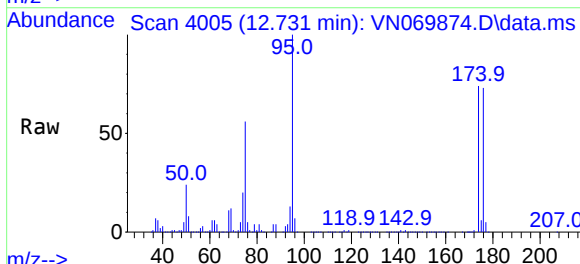
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#05

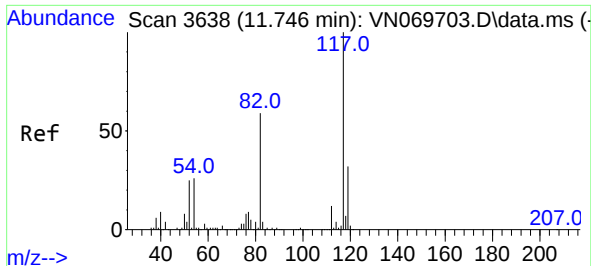
Tgt Ion:129 Resp: 1062
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 55.386 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

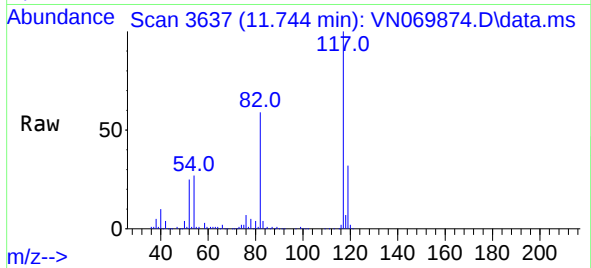
Tgt Ion: 95 Resp: 1233416
Ion Ratio Lower Upper
95 100
174 75.5 0.0 187.2
176 73.2 0.0 181.4





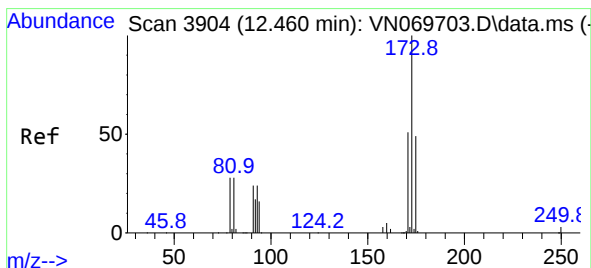
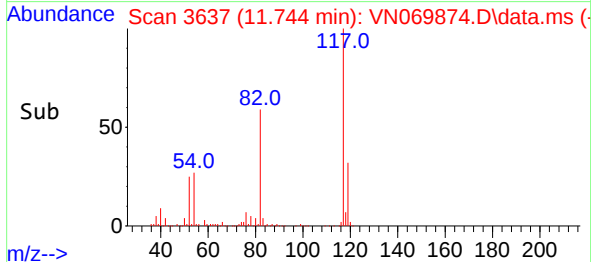
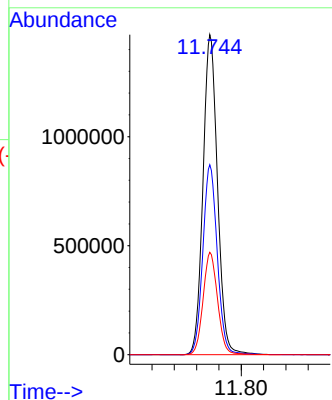
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#05



Tgt Ion:117 Resp: 2652928

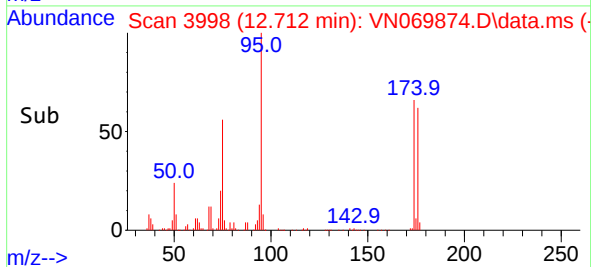
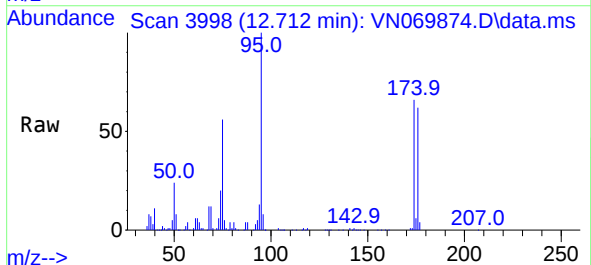
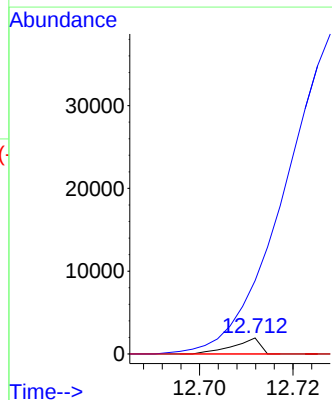
Ion	Ratio	Lower	Upper
117	100		
82	59.4	42.4	63.6
119	32.0	25.4	38.2

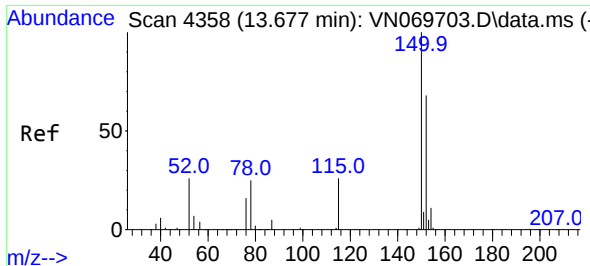


#71
Bromoform
Concen: 2.776 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Tgt Ion:173 Resp: 772

Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6#
254	0.0	0.0	0.0

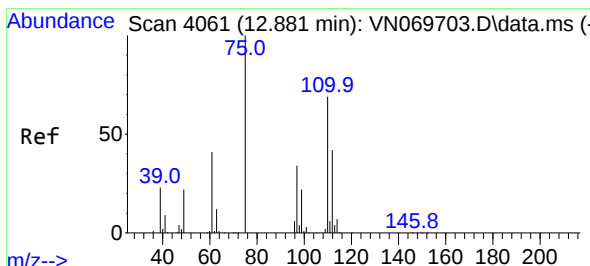
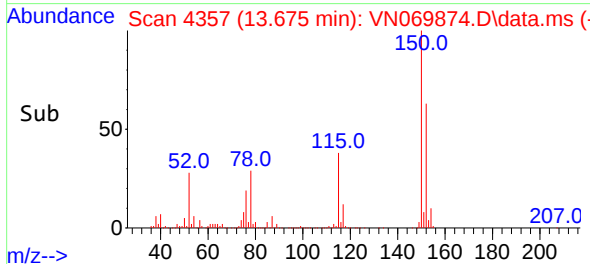
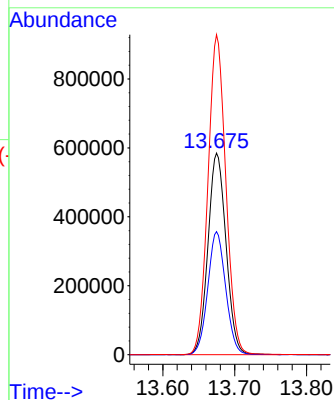
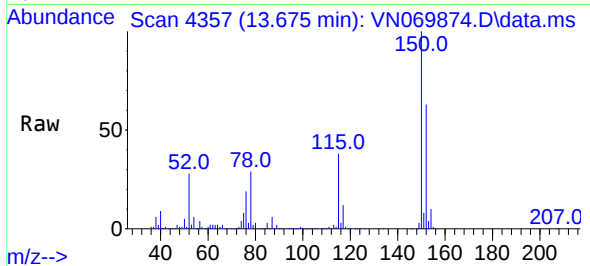




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

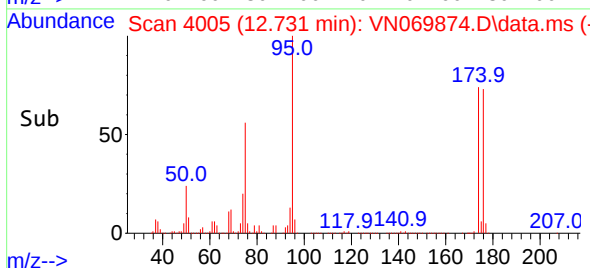
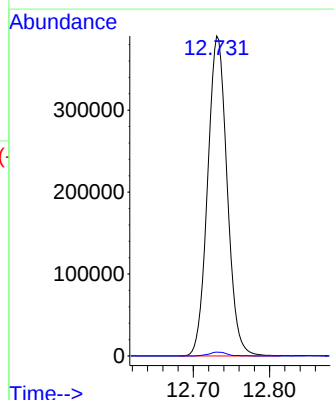
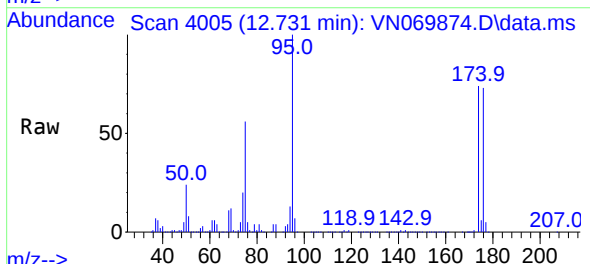
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#05

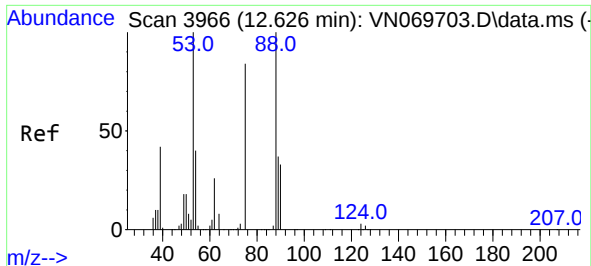
Tgt Ion:152 Resp: 1024027
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 156.7 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 23.582 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Tgt Ion: 75 Resp: 692521
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

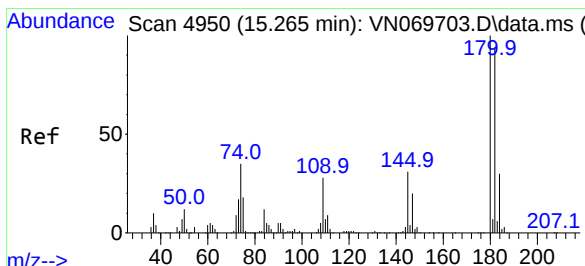
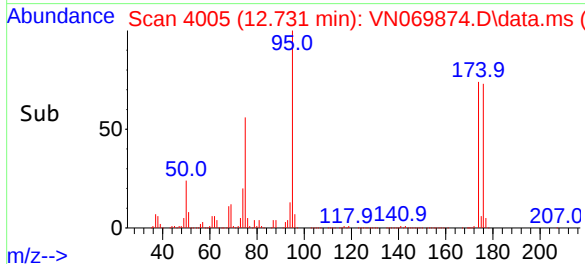
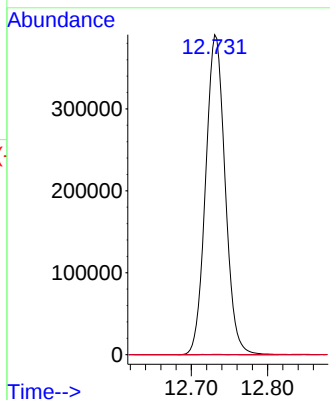
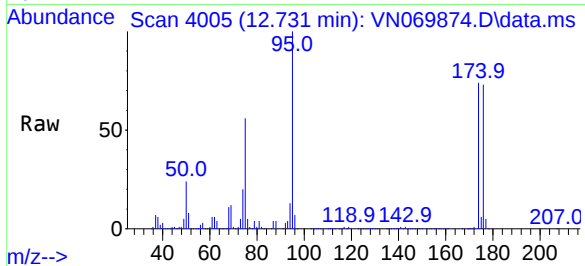




#81
trans-1,4-Dichloro-2-butene
Concen: 74.973 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

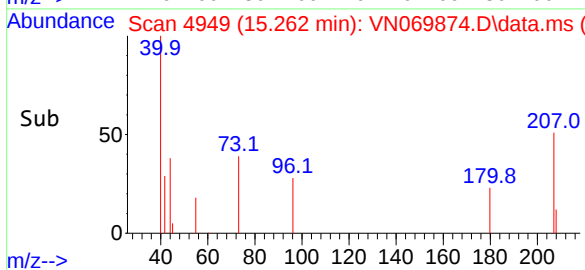
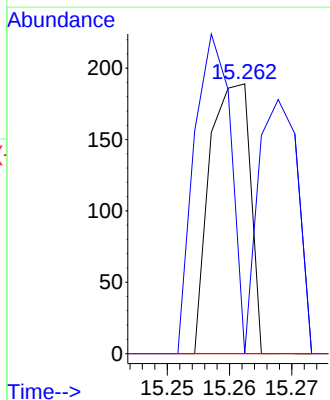
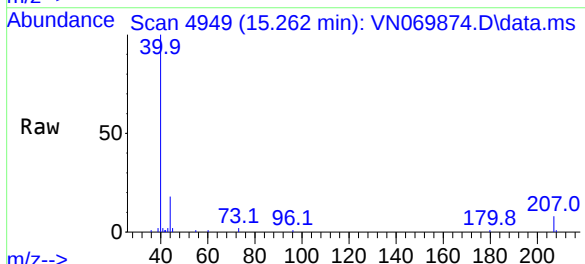
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#05

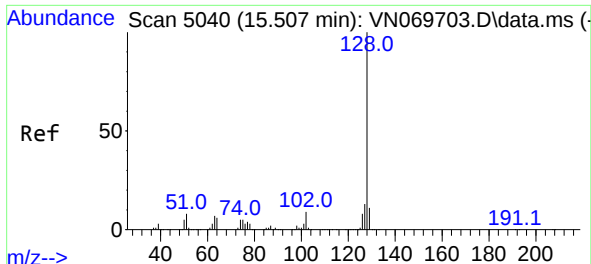
Tgt Ion: 75 Resp: 692521
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.883 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Tgt Ion:180 Resp: 85
Ion Ratio Lower Upper
180 100
182 91.8 48.3 144.9
145 0.0 14.5 43.5#

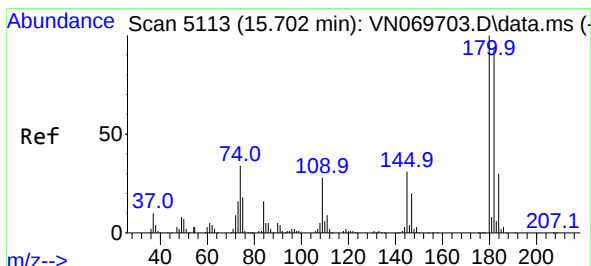
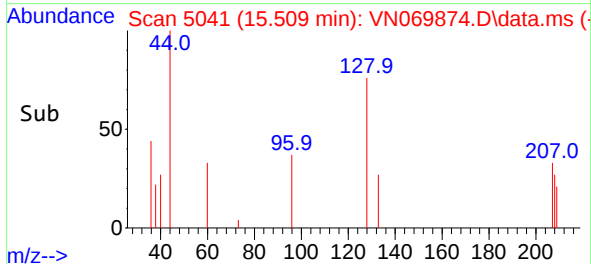
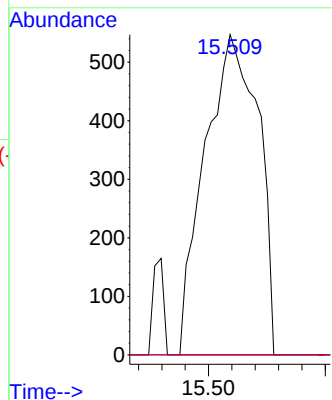
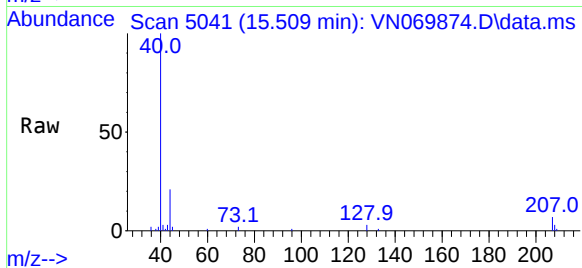




#95
Naphthalene
Concen: 4.001 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#05

Tgt Ion:128 Resp: 870
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.442 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069874.D
Acq: 8 Dec 2021 20:44

Tgt Ion:180 Resp: 118
Ion Ratio Lower Upper
180 100
182 107.6 47.4 142.2
145 0.0 15.0 45.1#

