

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069883.D
 Acq On : 9 Dec 2021 1:23
 Operator : JC/MD
 Sample : PB141231ZHE#08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB141231ZHE#08

Quant Time: Dec 09 11:53:31 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

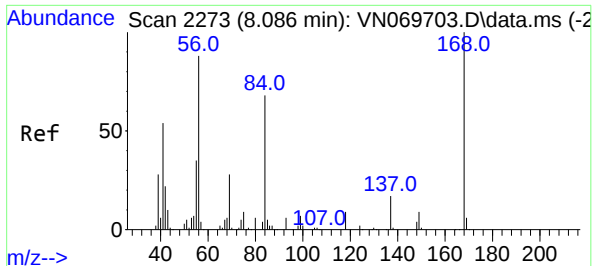
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	1337168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2479962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2753816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1082792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1056790	51.186	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.380%	
35) Dibromofluoromethane	8.024	113	732525	47.156	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 94.320%	
50) Toluene-d8	10.440	98	3255290	52.190	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.380%	
62) 4-Bromofluorobenzene	12.731	95	1310135	57.979	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 115.960%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.893	94	3932	0.403	ug/l #	67
13) Acrolein	4.039	56	861	0.259	ug/l #	55
16) Acetone	4.291	43	98974	7.969	ug/l	94
18) Methyl Acetate	4.870	43	25544	0.681	ug/l #	62
20) Methylene Chloride	5.103	84	46630	2.824	ug/l	89
25) 2-Butanone	7.340	43	22014	1.305	ug/l #	84
29) Tetrahydrofuran	7.699	42	4425	0.432	ug/l #	36
31) Cyclohexane	8.086	56	35371	1.231	ug/l #	21
36) 1,1-Dichloropropene	8.086	75	114127	4.834	ug/l #	49
37) Ethyl Acetate	7.340	43	22014	0.626	ug/l #	74
38) Carbon Tetrachloride	8.088	117	139131	6.010	ug/l #	16
43) Isopropyl Acetate	8.563	43	182126	3.503	ug/l #	83
48) Methyl methacrylate	9.545	41	42621	1.756	ug/l #	9
49) 1,4-Dioxane	9.572	88	237	0.544	ug/l #	27
51) 4-Methyl-2-Pentanone	10.339	43	22908	0.679	ug/l #	84
53) t-1,3-Dichloropropene	10.717	75	561	2.812	ug/l #	45
54) cis-1,3-Dichloropropene	10.245	75	221652	9.004	ug/l #	72
56) Ethyl methacrylate	10.757	69	1341	2.317	ug/l #	24
57) 1,3-Dichloropropane	11.090	76	130511	4.170	ug/l #	44
58) 2-Chloroethyl Vinyl ether	9.791	63	50	18.394	ug/l #	45
59) 2-Hexanone	11.090	43	2347091	91.978	ug/l #	48
60) Dibromochloromethane	11.489	129	1071	2.430	ug/l #	11
71) Bromoform	12.709	173	355	2.751	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	739260	23.807	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.058	105	29196	0.377	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.731	75	739260	75.650	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	3861	3.083	ug/l	92
95) Naphthalene	15.504	128	18113	4.300	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	4581	2.687	ug/l	97

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

Quant Time: Dec 09 11:53:31 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

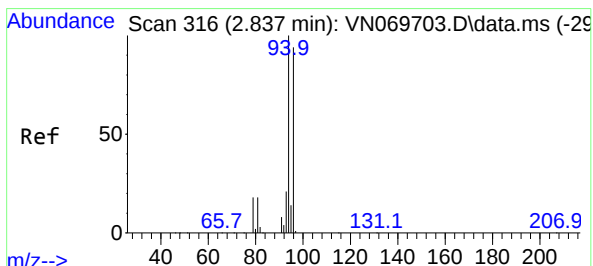
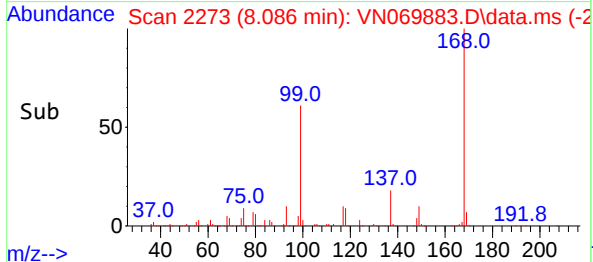
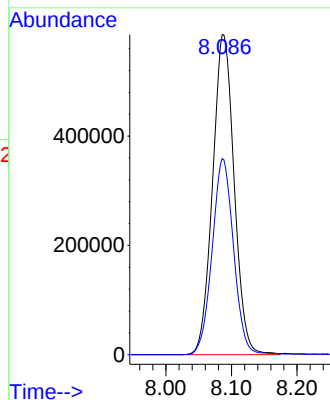
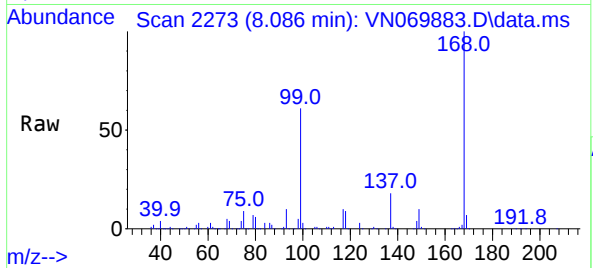




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

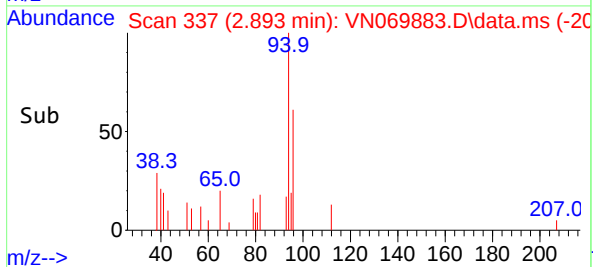
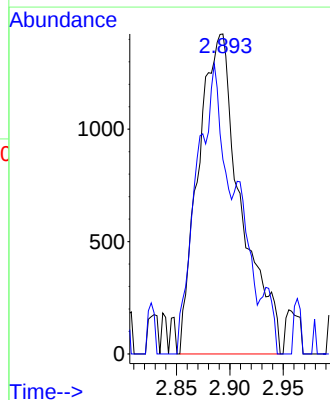
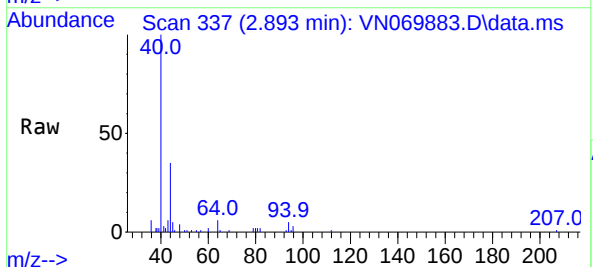
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#08

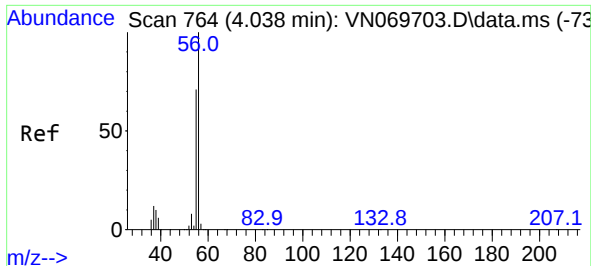
Tgt Ion:168 Resp: 1337168
Ion Ratio Lower Upper
168 100
99 61.3 41.3 61.9



#5
Bromomethane
Concen: 0.403 ug/l
RT: 2.893 min Scan# 337
Delta R.T. 0.057 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

Tgt Ion: 94 Resp: 3932
Ion Ratio Lower Upper
94 100
96 60.7 73.8 110.8#

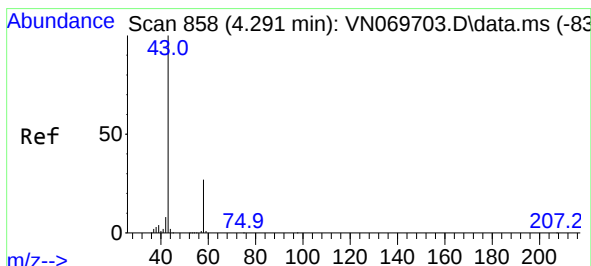
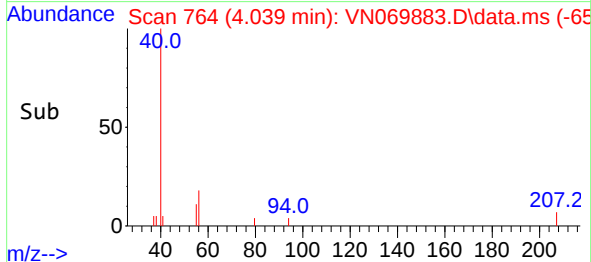
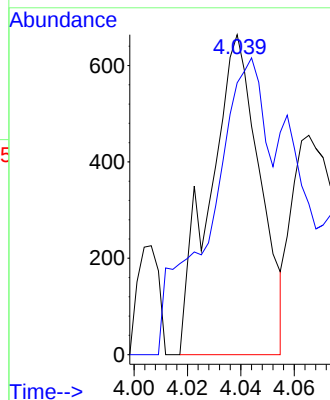
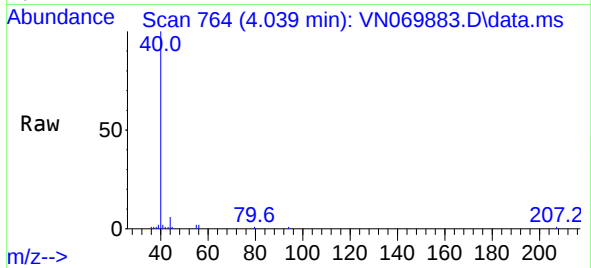




#13
Acrolein
Concen: 0.259 ug/l
RT: 4.039 min Scan# 764
Delta R.T. 0.000 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

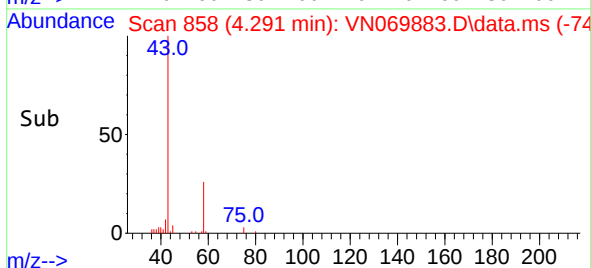
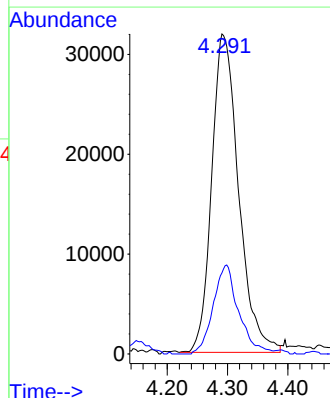
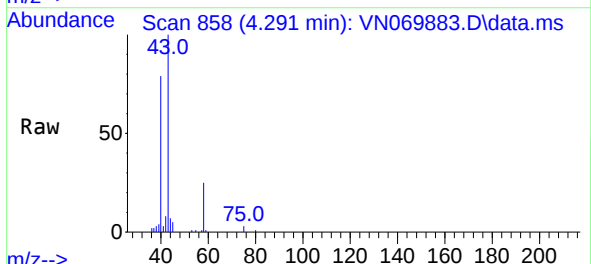
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#08

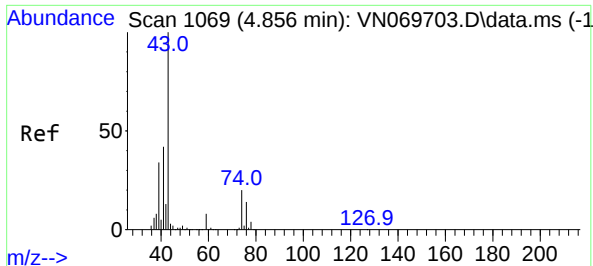
Tgt Ion: 56 Resp: 861
Ion Ratio Lower Upper
56 100
55 107.9 56.6 85.0#



#16
Acetone
Concen: 7.969 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

Tgt Ion: 43 Resp: 98974
Ion Ratio Lower Upper
43 100
58 25.5 23.1 34.7

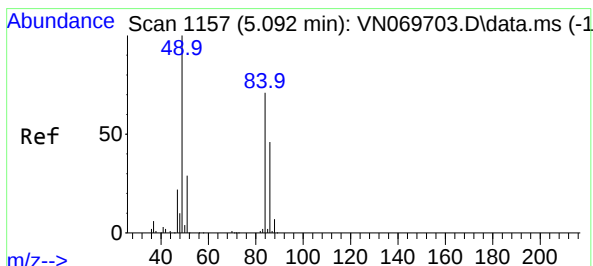
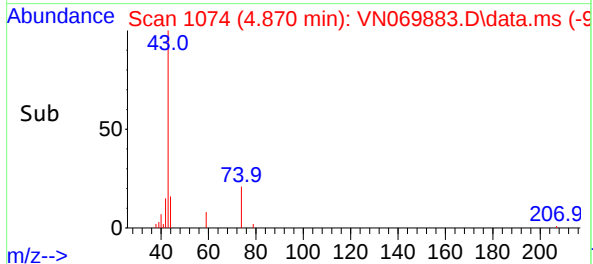
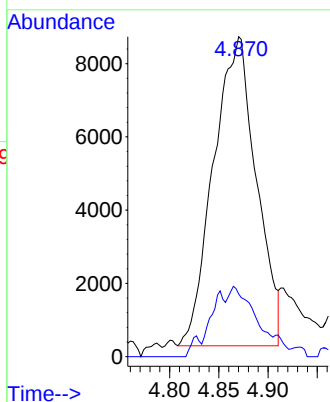
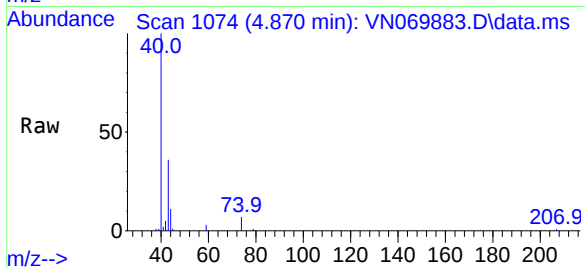




#18
Methyl Acetate
Concen: 0.681 ug/l
RT: 4.870 min Scan# 1107
Delta R.T. 0.014 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

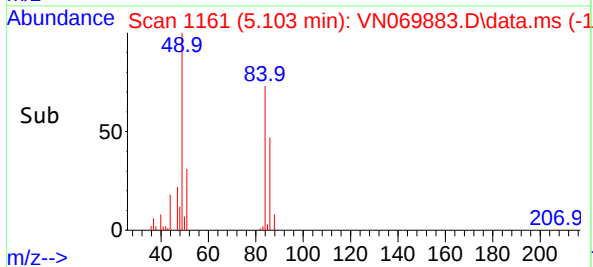
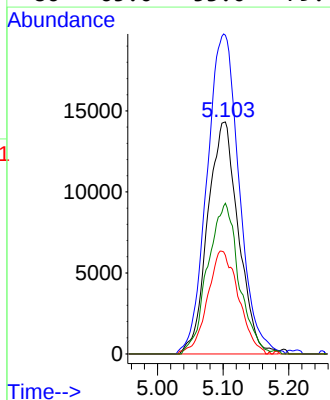
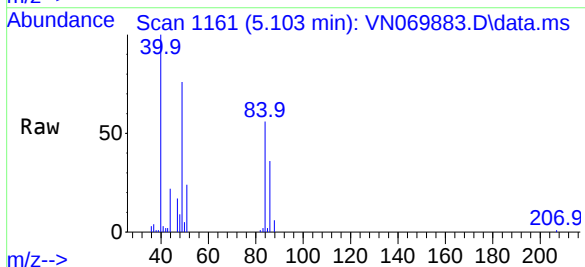
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#08

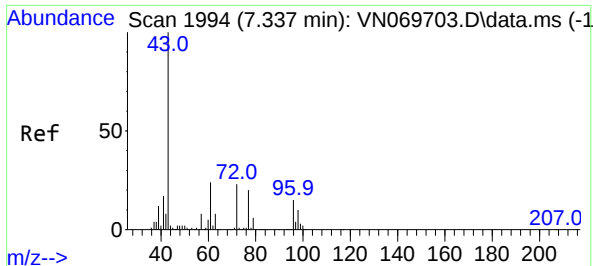
Tgt Ion: 43 Resp: 25544
Ion Ratio Lower Upper
43 100
74 5.3 19.4 29.2#



#20
Methylene Chloride
Concen: 2.824 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.011 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

Tgt Ion: 84 Resp: 46630
Ion Ratio Lower Upper
84 100
49 136.3 93.5 140.3
51 42.5 29.4 44.2
86 65.0 53.0 79.4

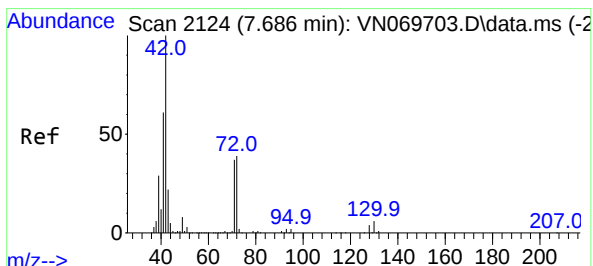
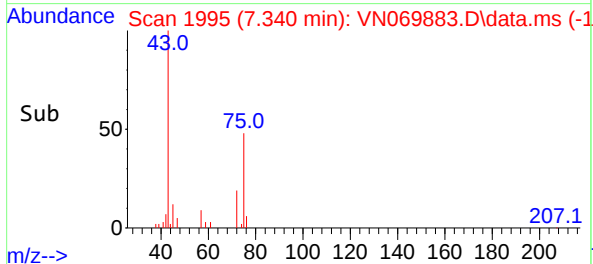
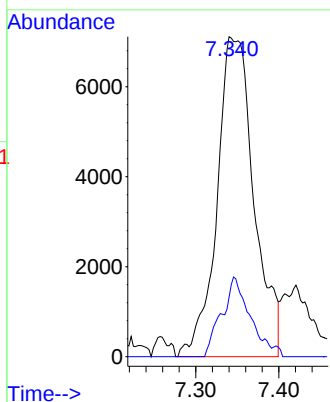
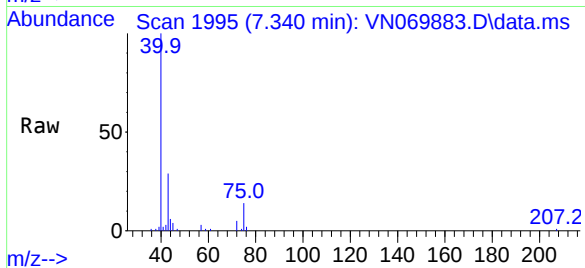




#25
2-Butanone
Concen: 1.305 ug/l
RT: 7.340 min Scan# 1994
Delta R.T. 0.003 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

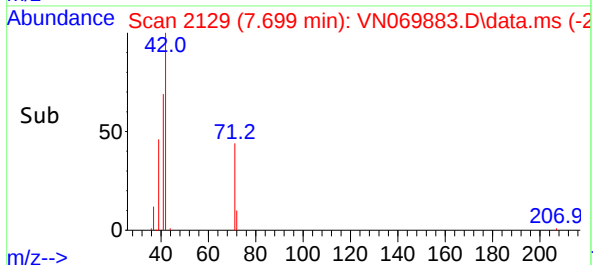
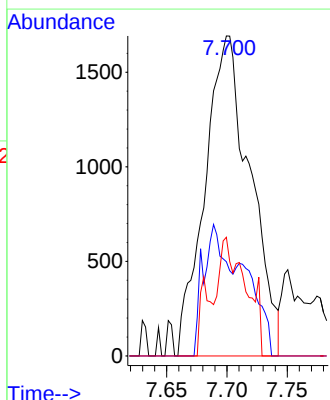
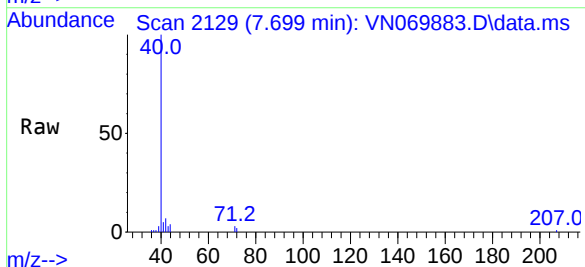
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#08

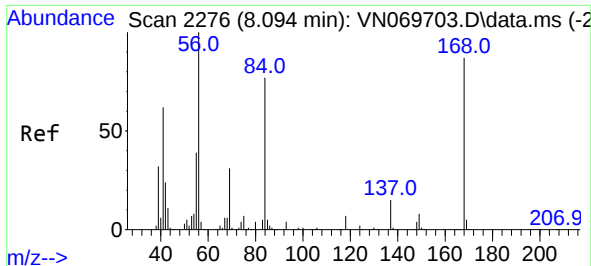
Tgt Ion: 43 Resp: 22014
Ion Ratio Lower Upper
43 100
72 18.6 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.432 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.014 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

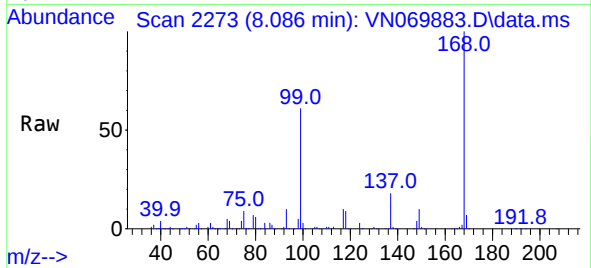
Tgt Ion: 42 Resp: 4425
Ion Ratio Lower Upper
42 100
72 0.0 36.3 54.5#
71 5.4 34.7 52.1#



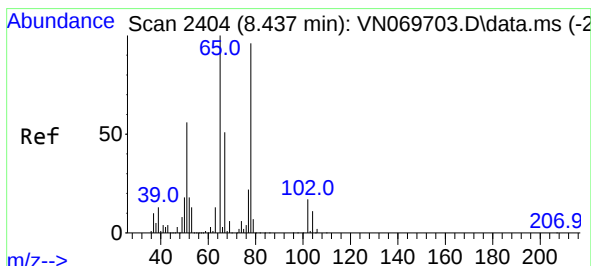
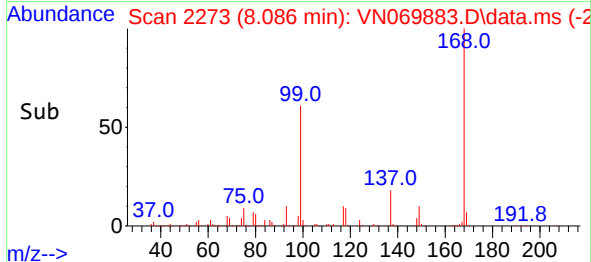
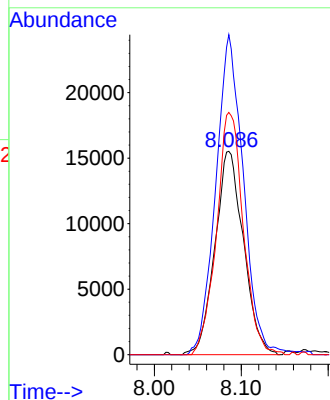


#31
Cyclohexane
Concen: 1.231 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#08

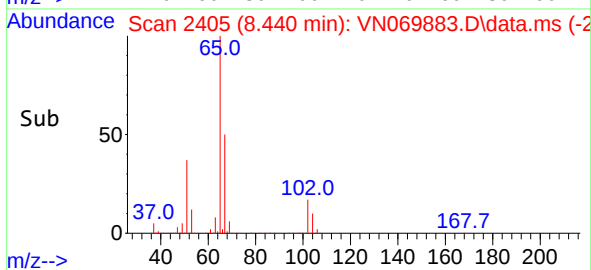
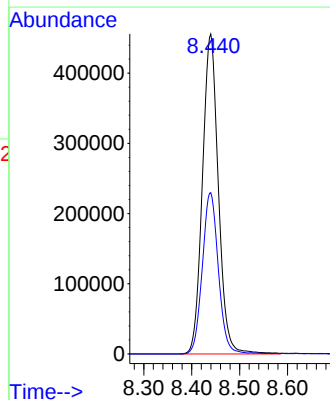
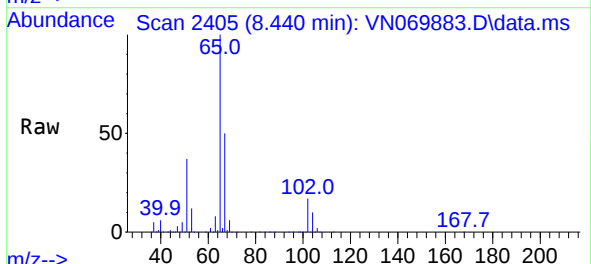


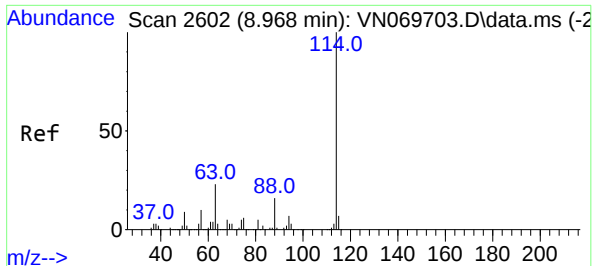
Tgt Ion: 56 Resp: 35371
Ion Ratio Lower Upper
56 100
69 157.4 27.1 40.7#
84 119.1 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.186 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

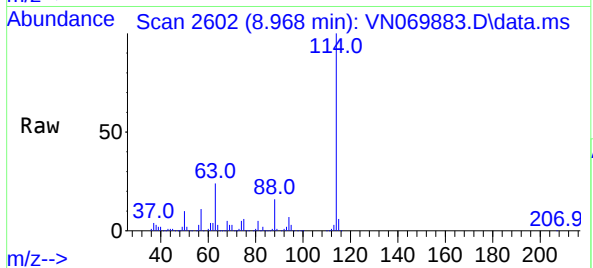
Tgt Ion: 65 Resp: 1056790
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.0





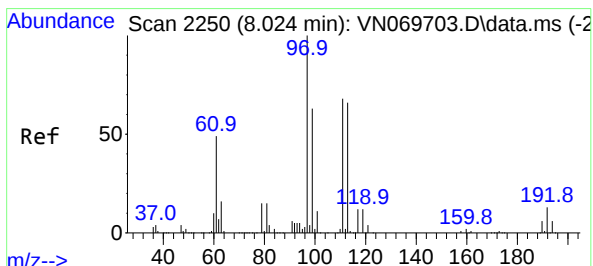
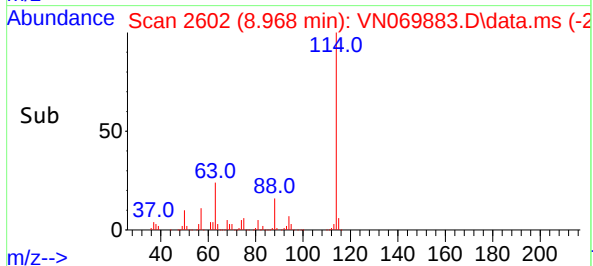
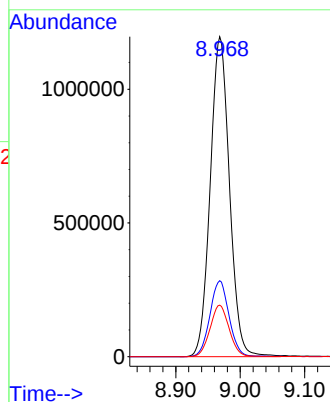
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1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

Instrument :
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Tgt Ion:114 Resp: 2479962

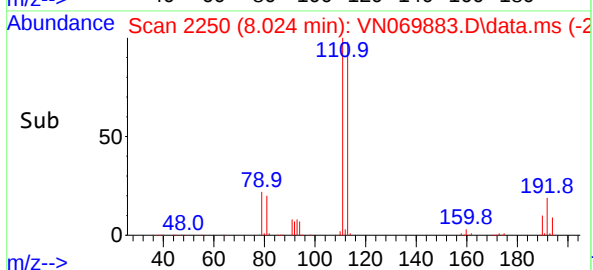
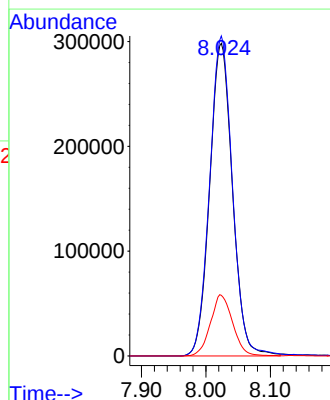
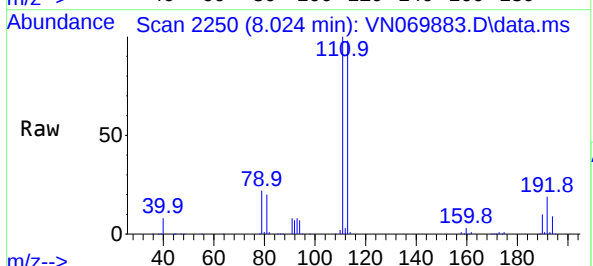
Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	37.8
88	16.1	0.0	27.4

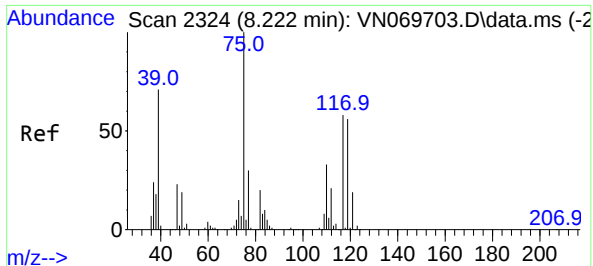


#35
Dibromofluoromethane
Concen: 47.156 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

Tgt Ion:113 Resp: 732525

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.2
192	19.1	16.9	25.3





#36

1,1-Dichloropropene

Concen: 4.834 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.137 min

Lab File: VN069883.D

Acq: 9 Dec 2021 1:23

Instrument :

MSVOA_N

ClientSampleId :

PB141231ZHE#08

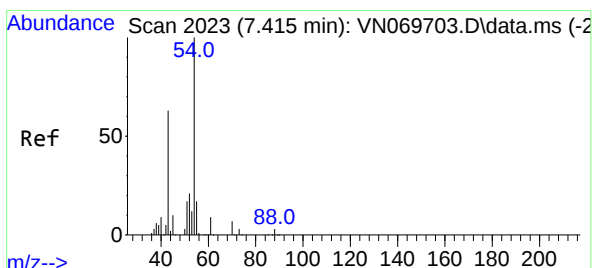
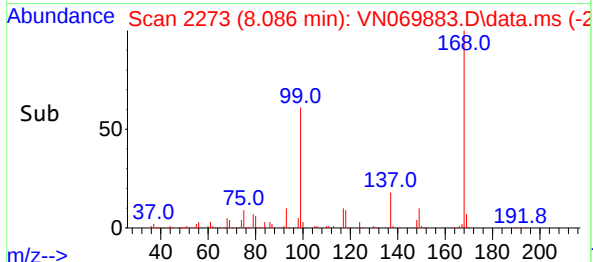
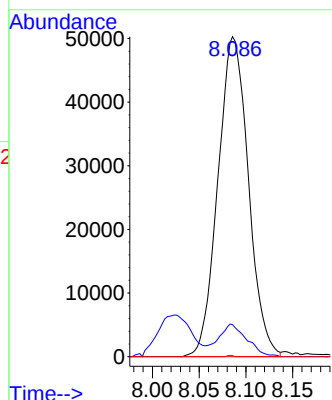
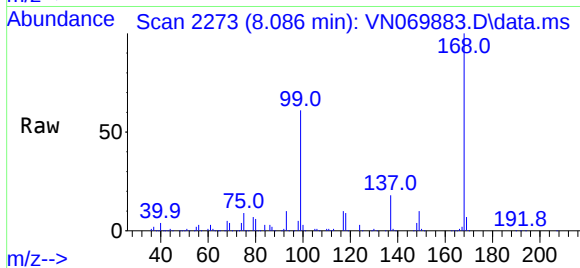
Tgt Ion: 75 Resp: 114127

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.2#

77 0.1 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.626 ug/l

RT: 7.340 min Scan# 1995

Delta R.T. -0.075 min

Lab File: VN069883.D

Acq: 9 Dec 2021 1:23

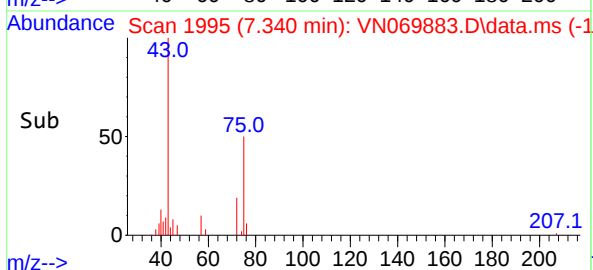
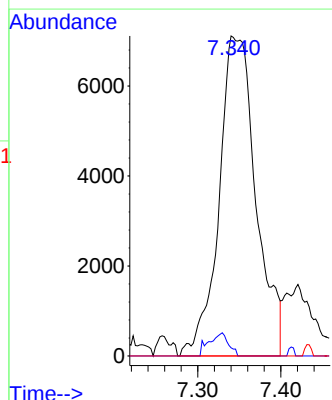
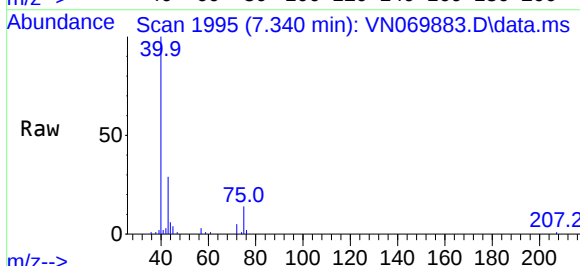
Tgt Ion: 43 Resp: 22014

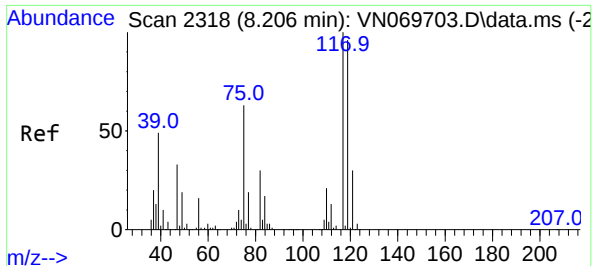
Ion Ratio Lower Upper

43 100

61 3.8 11.5 17.3#

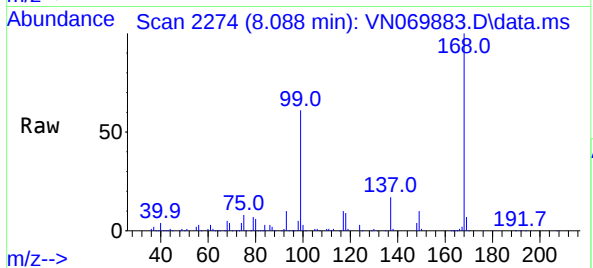
70 0.0 7.9 11.9#



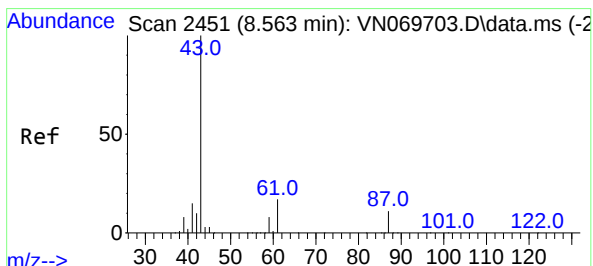
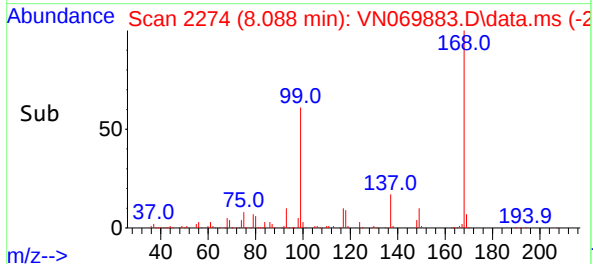
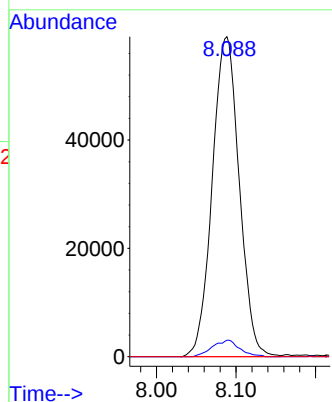


#38
Carbon Tetrachloride
Concen: 6.010 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#08

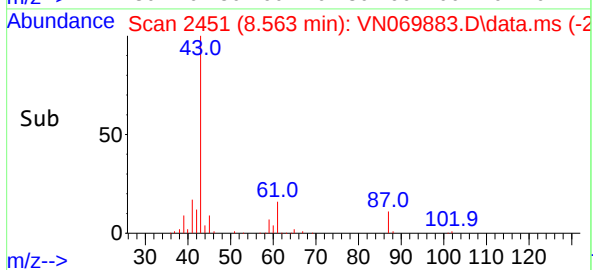
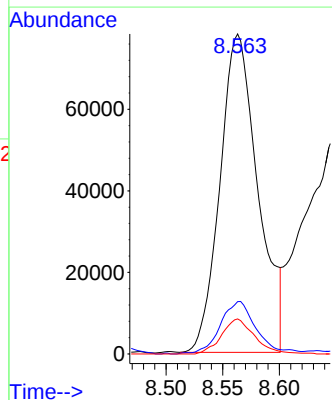
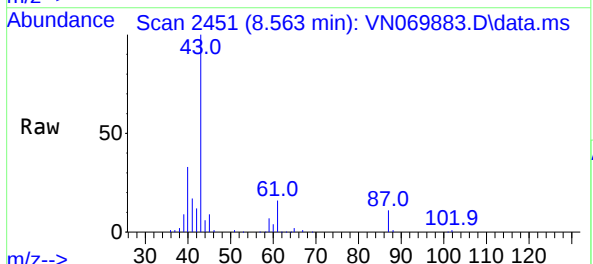


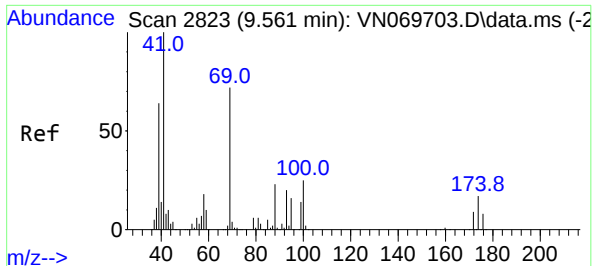
Tgt Ion:117 Resp: 139131
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.503 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

Tgt Ion: 43 Resp: 182126
Ion Ratio Lower Upper
43 100
61 15.2 20.4 30.6#
87 9.6 11.2 16.8#





#48

Methyl methacrylate

Concen: 1.756 ug/l

RT: 9.545 min Scan# 2817

Delta R.T. -0.016 min

Lab File: VN069883.D

Acq: 9 Dec 2021 1:23

Instrument :

MSVOA_N

ClientSampleId :

PB141231ZHE#08

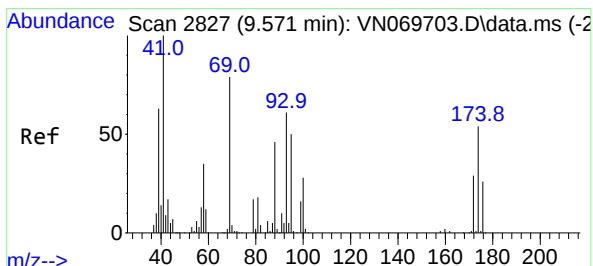
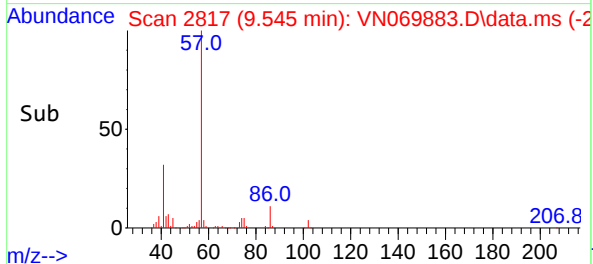
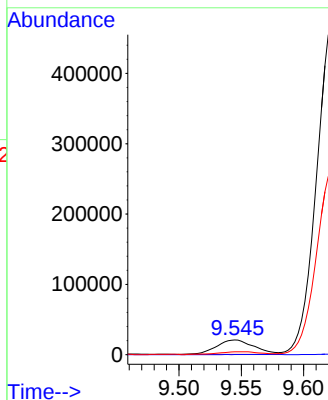
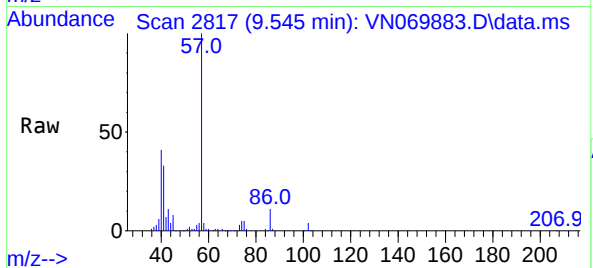
Tgt Ion: 41 Resp: 42621

Ion Ratio Lower Upper

41 100

69 0.9 72.4 108.6#

39 0.0 58.4 87.6#



#49

1,4-Dioxane

Concen: 0.544 ug/l

RT: 9.572 min Scan# 2827

Delta R.T. 0.000 min

Lab File: VN069883.D

Acq: 9 Dec 2021 1:23

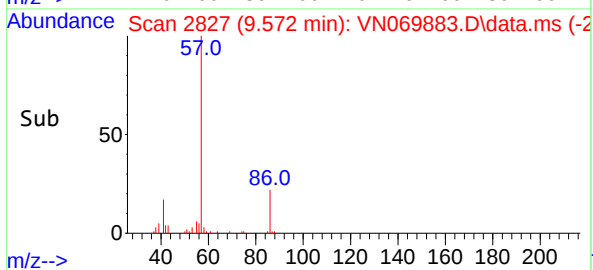
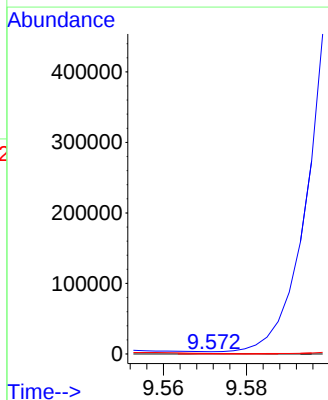
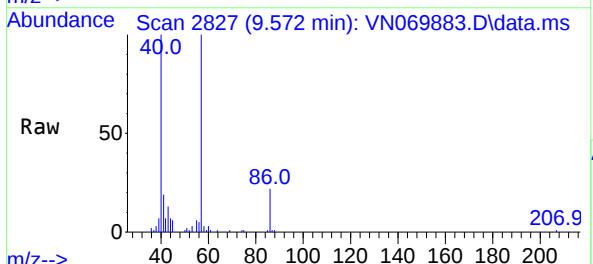
Tgt Ion: 88 Resp: 237

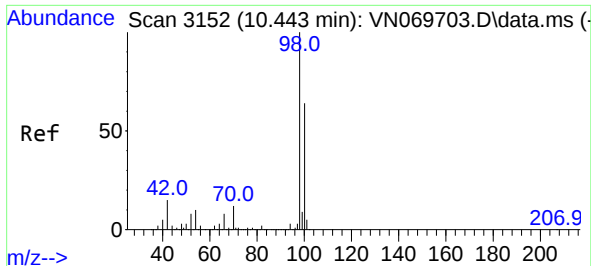
Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 0.0 50.6 75.8#

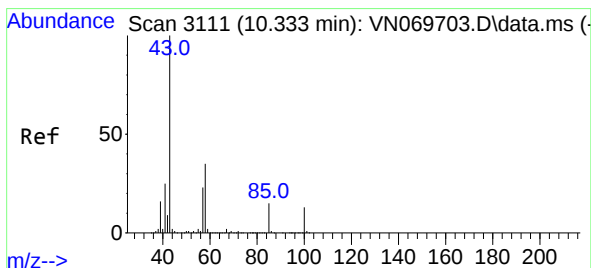
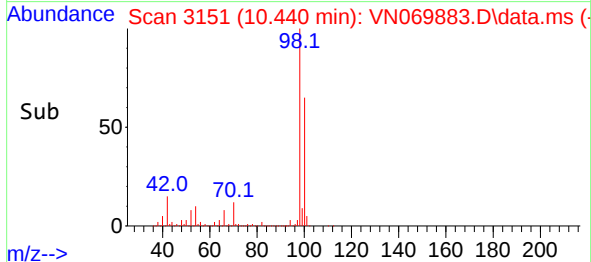
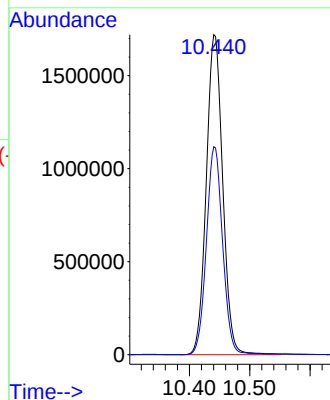
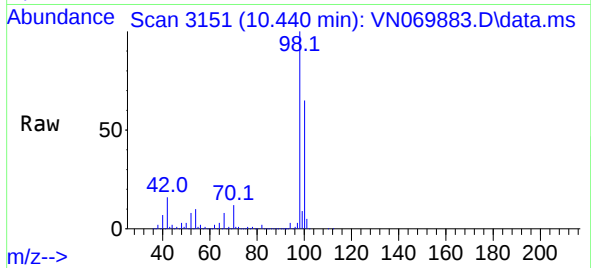




#50
Toluene-d8
Concen: 52.190 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.002 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

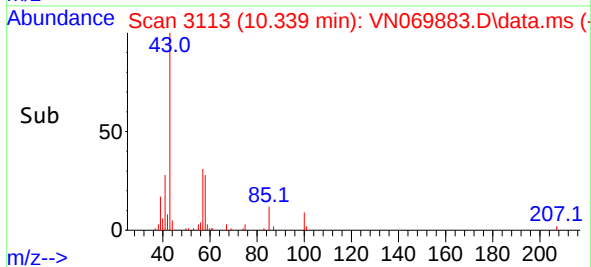
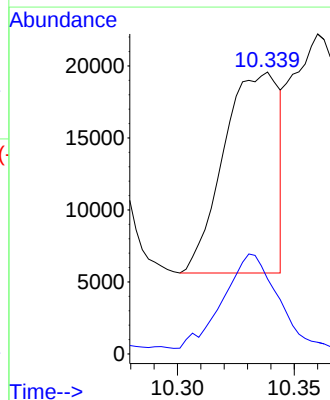
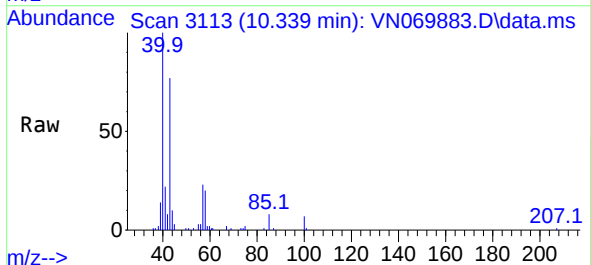
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#08

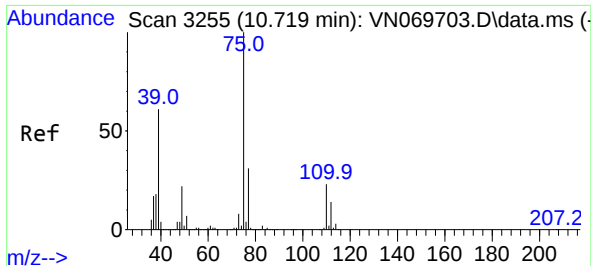
Tgt Ion: 98 Resp: 3255290
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.679 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

Tgt Ion: 43 Resp: 22908
Ion Ratio Lower Upper
43 100
58 47.5 30.4 45.6#

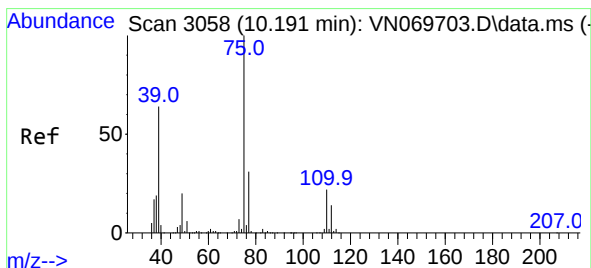
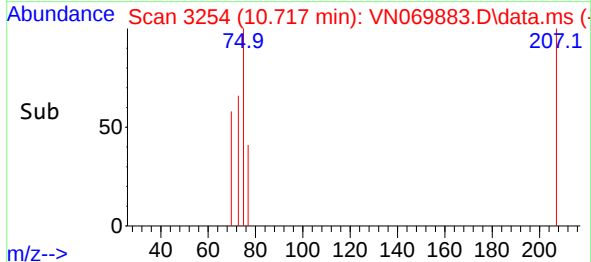
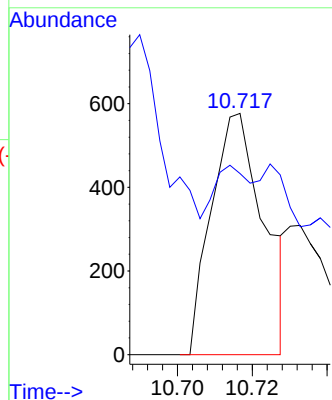
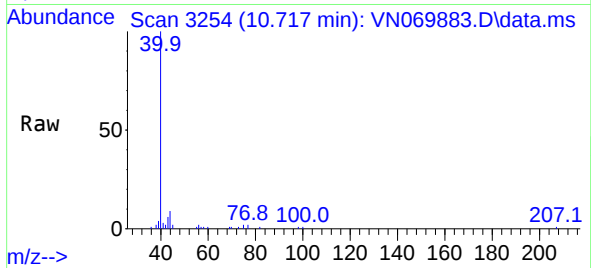




#53
t-1,3-Dichloropropene
Concen: 2.812 ug/l
RT: 10.717 min Scan# 31
Delta R.T. -0.002 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

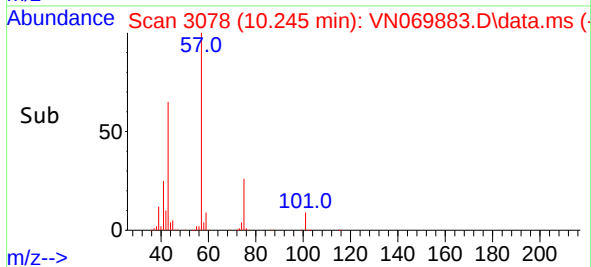
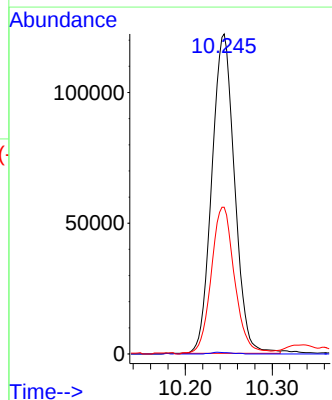
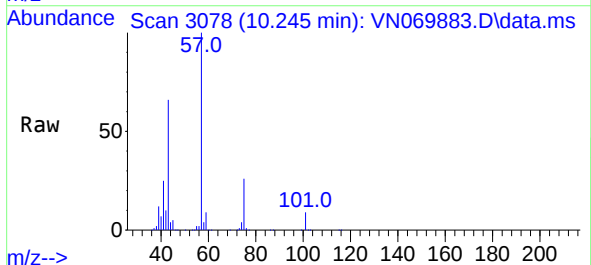
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#08

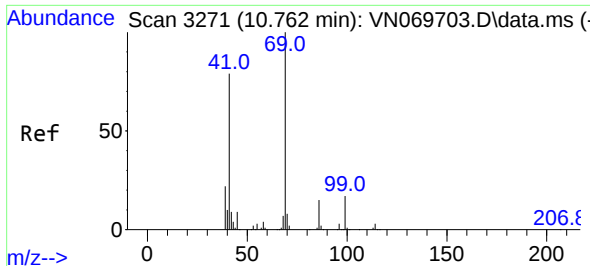
Tgt Ion: 75 Resp: 561
Ion Ratio Lower Upper
75 100
77 1.4 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 9.004 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

Tgt Ion: 75 Resp: 221652
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 46.0 42.5 63.7

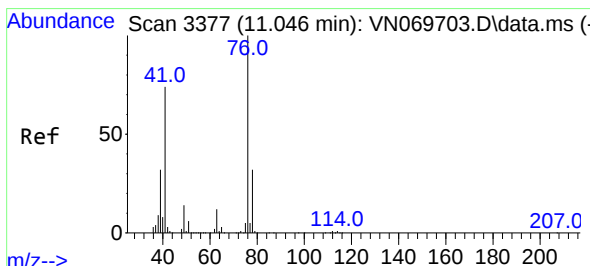
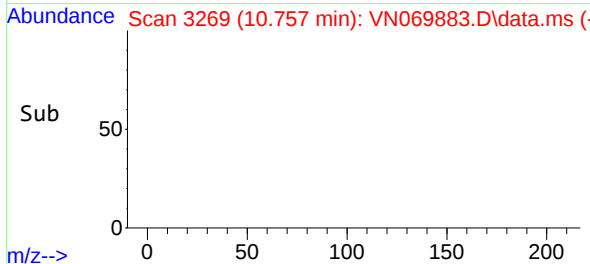
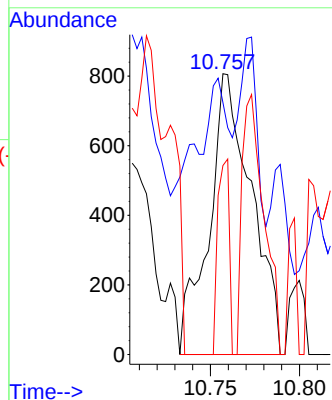
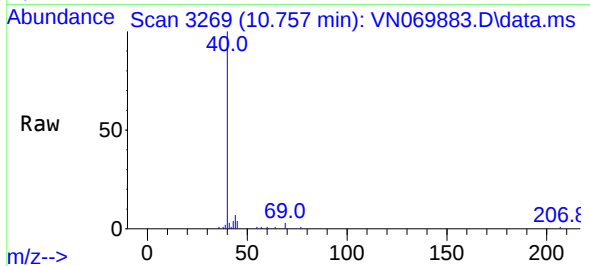




#56
Ethyl methacrylate
Concen: 2.317 ug/l
RT: 10.757 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

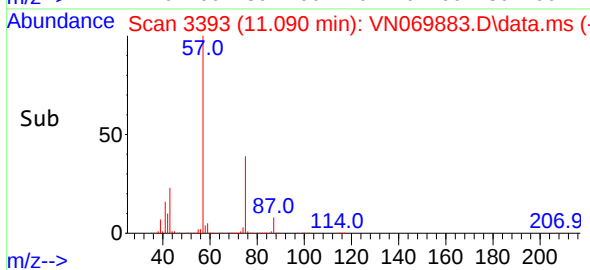
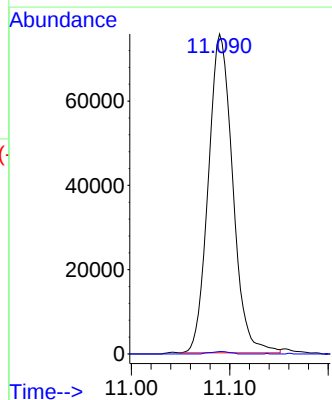
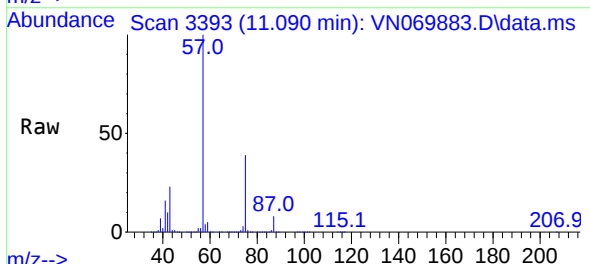
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#08

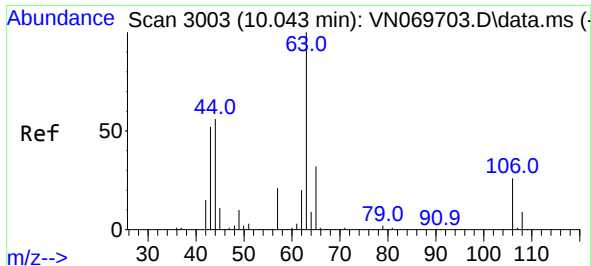
Tgt Ion: 69 Resp: 1341
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 4.170 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

Tgt Ion: 76 Resp: 130511
Ion Ratio Lower Upper
76 100
78 0.6 25.7 38.5#

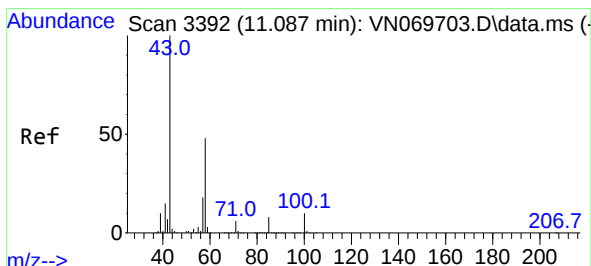
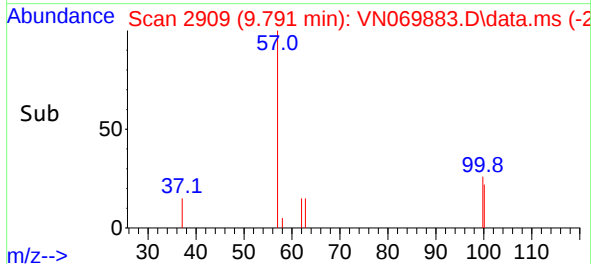
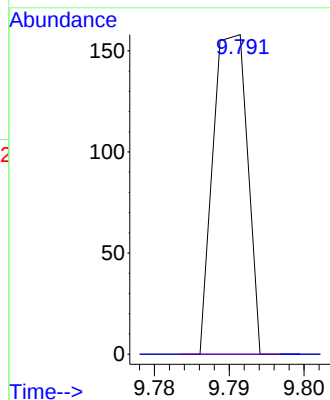
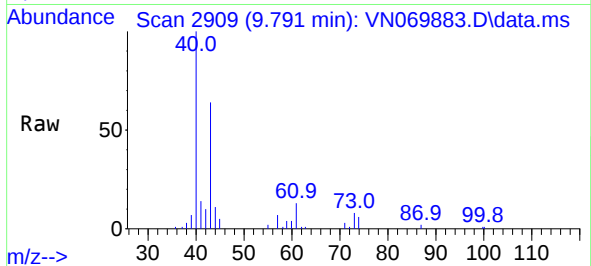




#58
2-Chloroethyl Vinyl ether
Concen: 18.394 ug/l
RT: 9.791 min Scan# 21
Delta R.T. -0.252 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

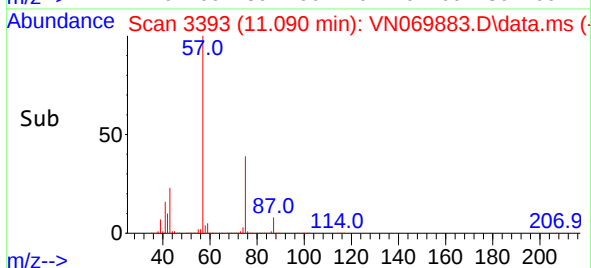
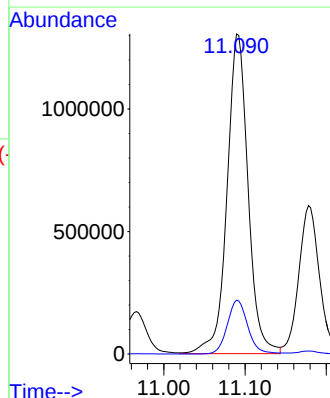
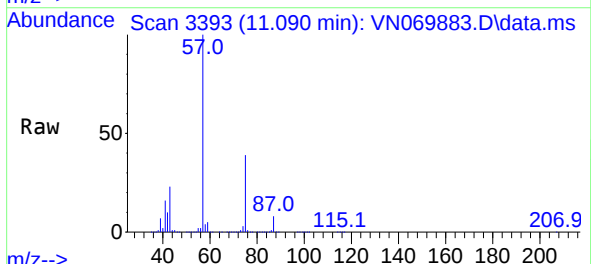
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#08

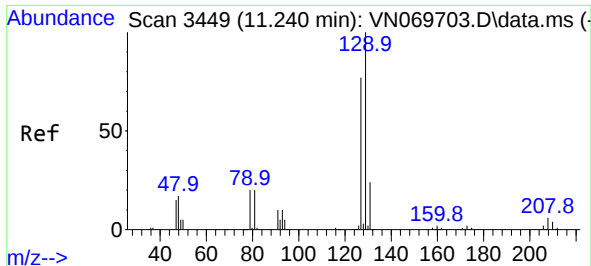
Tgt Ion: 63 Resp: 50
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 91.978 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

Tgt Ion: 43 Resp: 2347091
Ion Ratio Lower Upper
43 100
58 16.4 26.9 80.7#

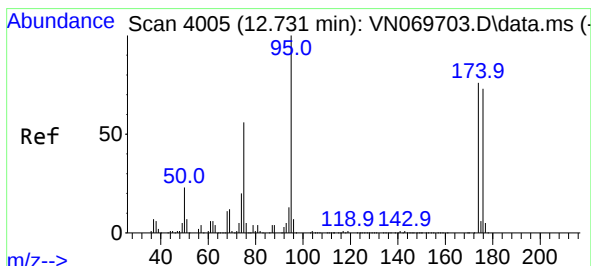
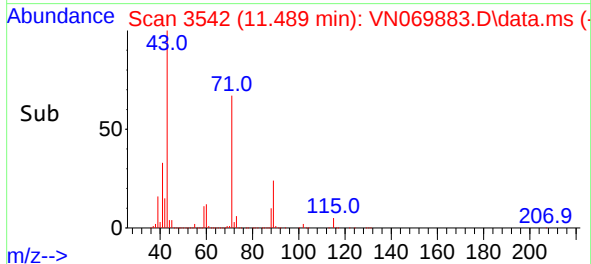
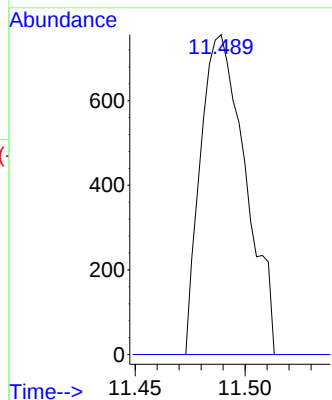
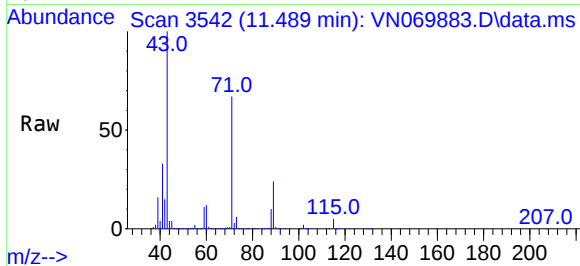




#60
Dibromochloromethane
Concen: 2.430 ug/l
RT: 11.489 min Scan# 311
Delta R.T. 0.249 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

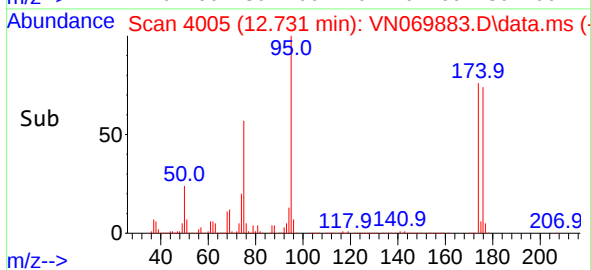
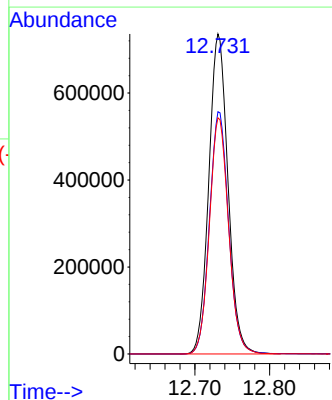
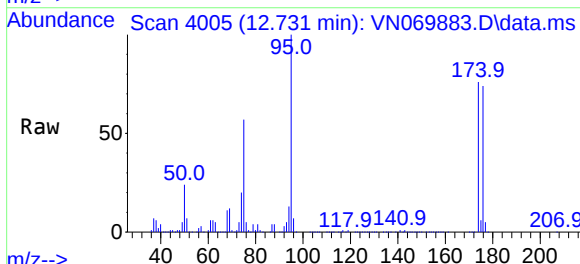
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#08

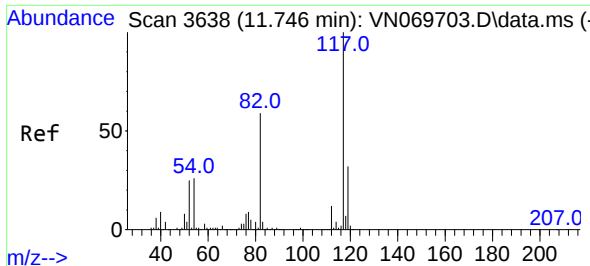
Tgt Ion:129 Resp: 1071
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 57.979 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

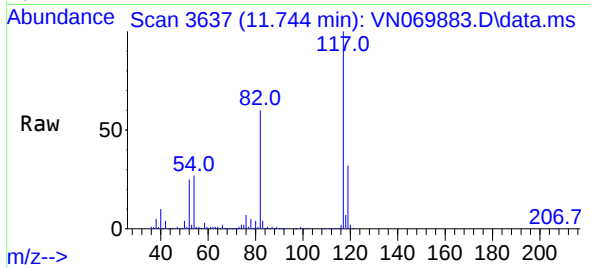
Tgt Ion: 95 Resp: 1310135
Ion Ratio Lower Upper
95 100
174 75.7 0.0 187.2
176 73.9 0.0 181.4



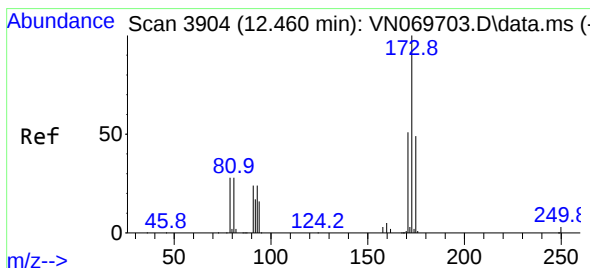
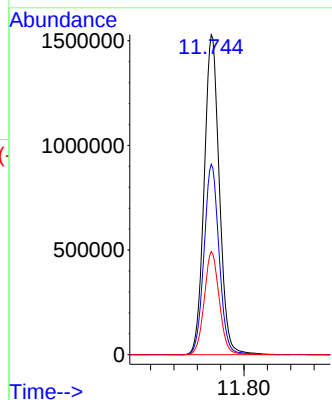
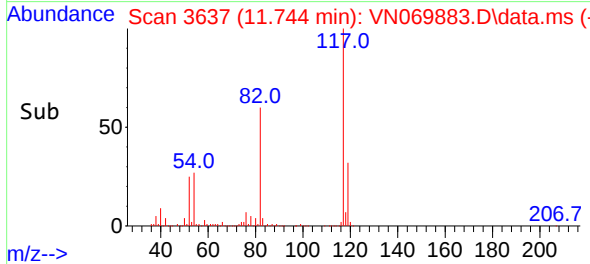


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#08

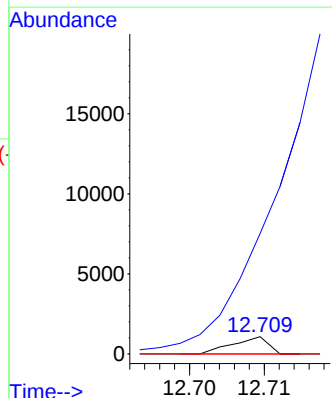
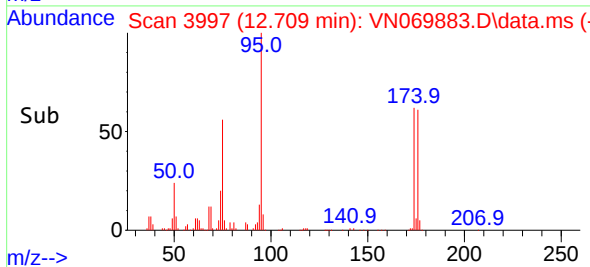
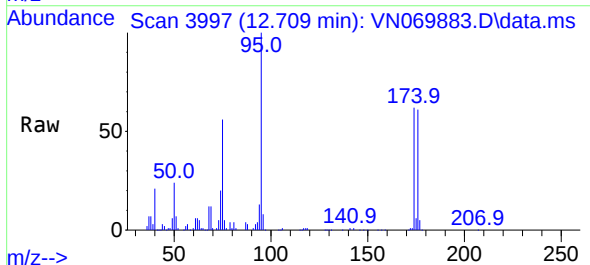


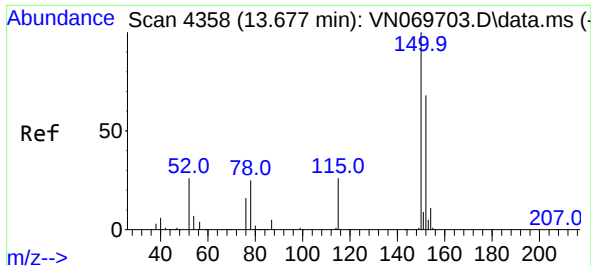
Tgt Ion:117 Resp: 2753816
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 32.2 25.4 38.2



#71
Bromoform
Concen: 2.751 ug/l
RT: 12.709 min Scan# 3997
Delta R.T. 0.249 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

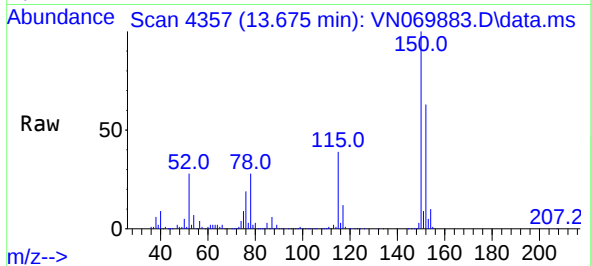
Tgt Ion:173 Resp: 355
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



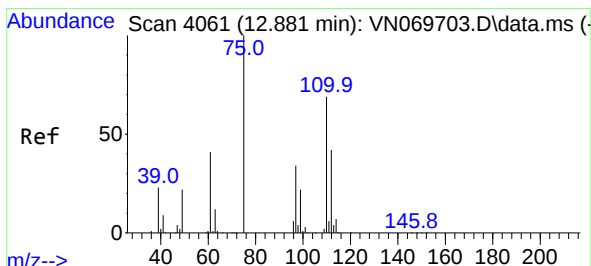
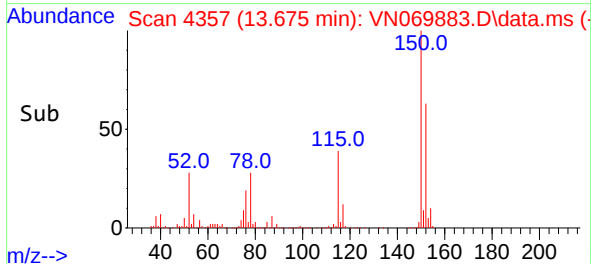
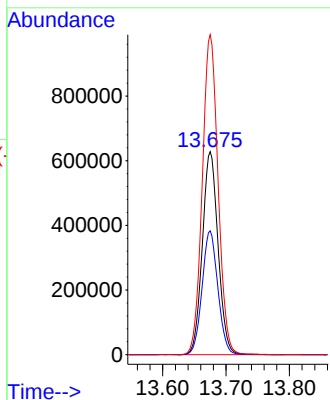


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.002 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#08

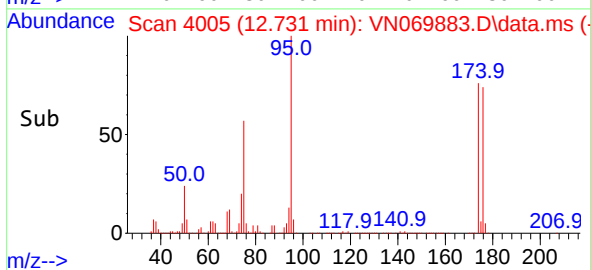
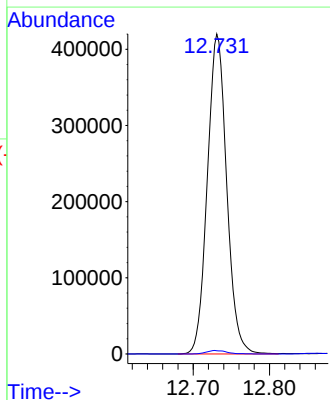
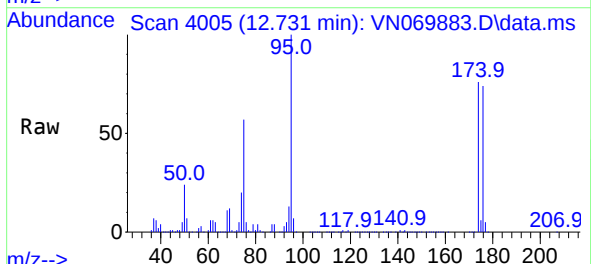


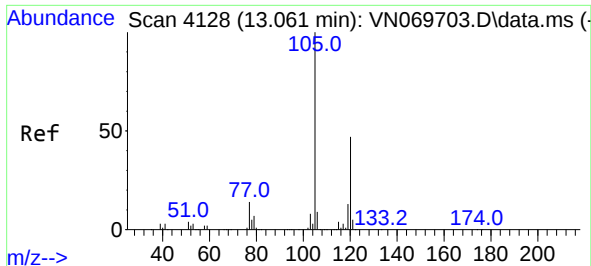
Tgt Ion:152 Resp: 1082792
Ion Ratio Lower Upper
152 100
115 61.1 27.5 82.5
150 158.2 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 23.807 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

Tgt Ion: 75 Resp: 739260
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

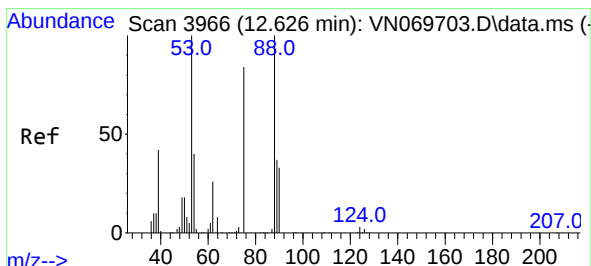
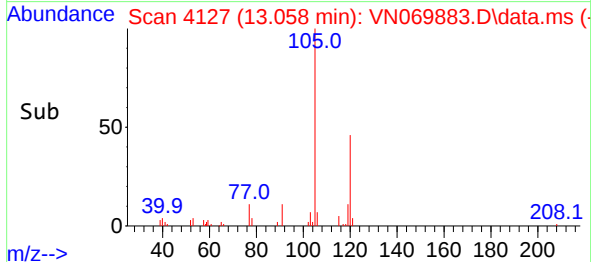
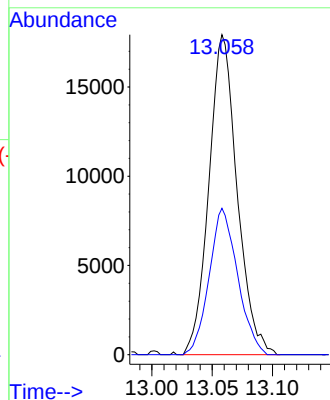
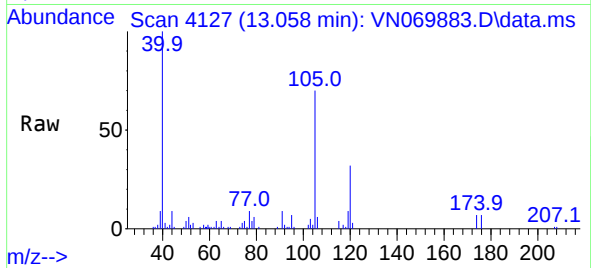




#80
1,3,5-Trimethylbenzene
Concen: 0.377 ug/l
RT: 13.058 min Scan# 41
Delta R.T. -0.002 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

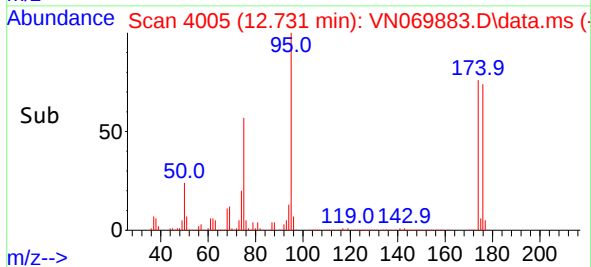
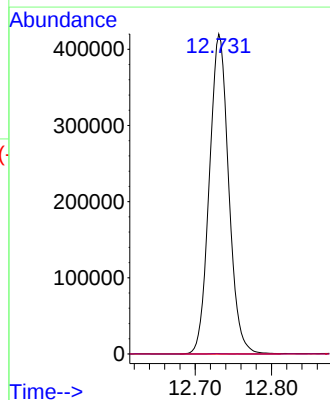
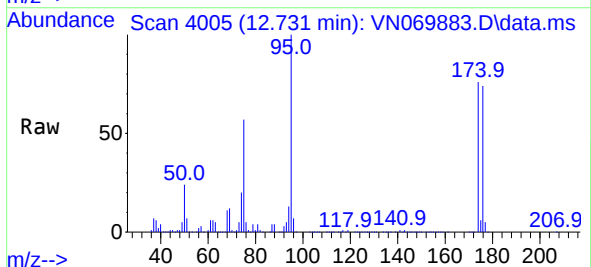
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#08

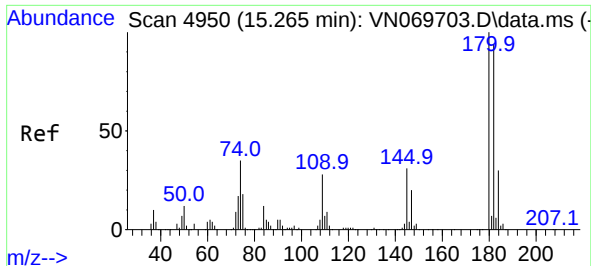
Tgt Ion:105 Resp: 29196
Ion Ratio Lower Upper
105 100
120 46.1 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 75.650 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

Tgt Ion: 75 Resp: 739260
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

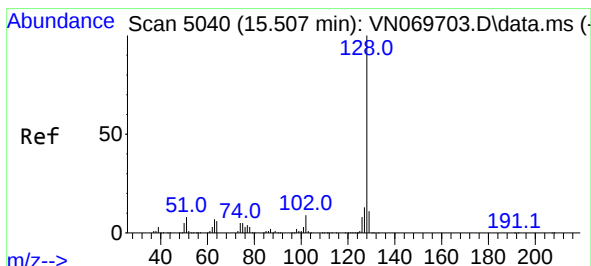
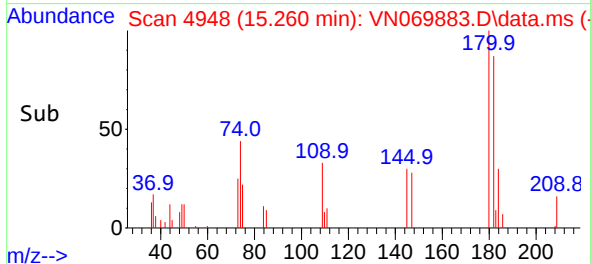
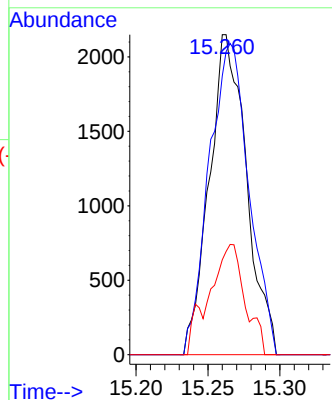
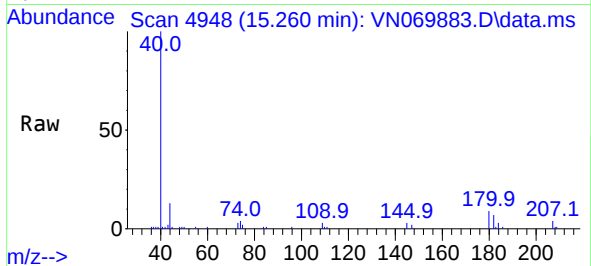




#93
1,2,4-Trichlorobenzene
Concen: 3.083 ug/l
RT: 15.260 min Scan# 4950
Delta R.T. -0.005 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

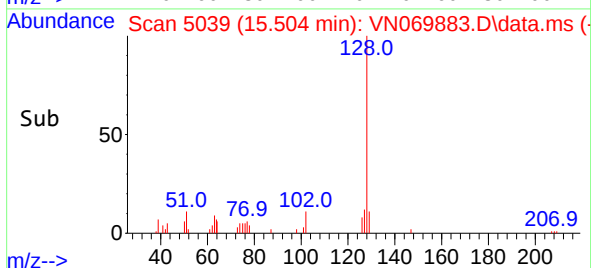
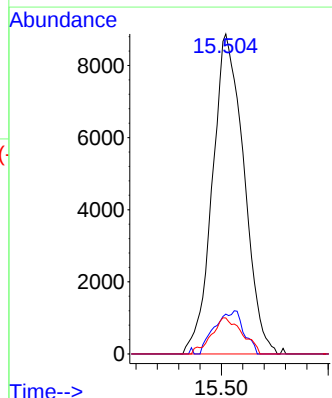
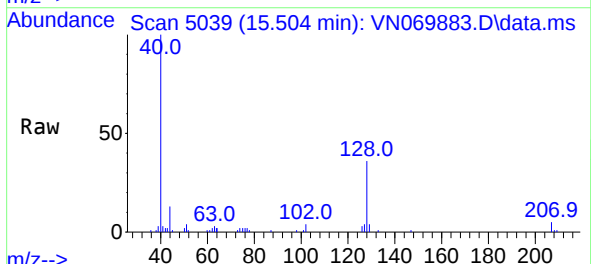
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#08

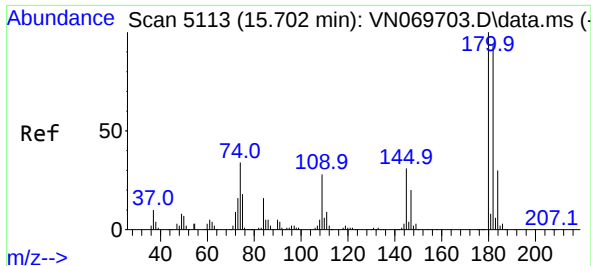
Tgt Ion:180 Resp: 3861
Ion Ratio Lower Upper
180 100
182 104.4 48.3 144.9
145 33.5 14.5 43.5



#95
Naphthalene
Concen: 4.300 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN069883.D
Acq: 9 Dec 2021 1:23

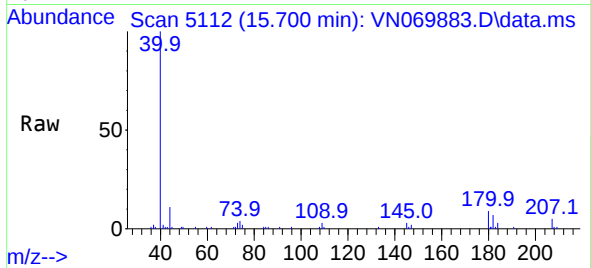
Tgt Ion:128 Resp: 18113
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 11.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.687 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.002 min
 Lab File: VN069883.D
 Acq: 9 Dec 2021 1:23

Instrument :
 MSVOA_N
 ClientSampleId :
 PB141231ZHE#08



Tgt Ion:	180	Resp:	4581
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.2
145	24.6	15.0	45.1

