

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069889.D
 Acq On : 9 Dec 2021 3:55
 Operator : JC/MD
 Sample : PB141231TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB141231TB

Quant Time: Dec 09 11:57:03 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)

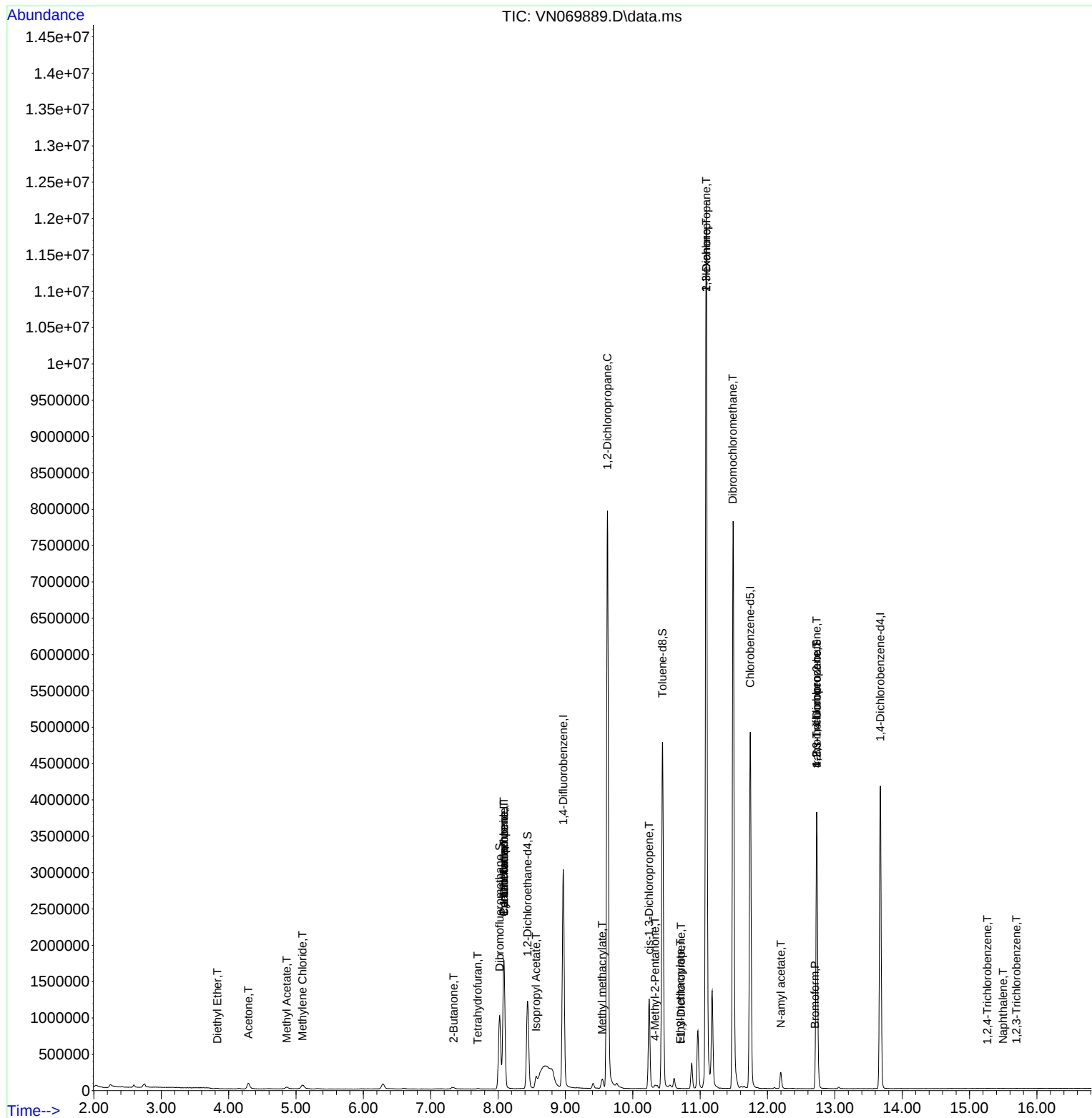
Internal Standards						
1) Pentafluorobenzene	8.086	168	1323558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2474043	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2720506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1099500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1050434	51.402	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.800%			
35) Dibromofluoromethane	8.024	113	729837	47.096	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.200%			
50) Toluene-d8	10.440	98	3228573	51.885	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.780%			
62) 4-Bromofluorobenzene	12.731	95	1310373	58.128	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 116.260%			
Target Compounds						Qvalue
8) Diethyl Ether	3.832	74	2967	0.330	ug/l #	47
16) Acetone	4.293	43	150220	12.220	ug/l	99
18) Methyl Acetate	4.862	43	60469	1.630	ug/l #	73
20) Methylene Chloride	5.095	84	36550	2.237	ug/l #	83
25) 2-Butanone	7.340	43	24875	1.489	ug/l	99
29) Tetrahydrofuran	7.697	42	3192	0.315	ug/l #	76
31) Cyclohexane	8.088	56	34344	1.208	ug/l #	27
36) 1,1-Dichloropropene	8.086	75	113763	4.830	ug/l #	43
38) Carbon Tetrachloride	8.088	117	138386	5.992	ug/l #	17
43) Isopropyl Acetate	8.566	43	205500	3.961	ug/l #	78
45) 1,2-Dichloropropane	9.622	63	9775	0.506	ug/l #	44
48) Methyl methacrylate	9.545	41	38766	1.601	ug/l #	8
51) 4-Methyl-2-Pentanone	10.331	43	24272	0.721	ug/l	89
53) t-1,3-Dichloropropene	10.714	75	179	2.800	ug/l #	43
54) cis-1,3-Dichloropropene	10.242	75	198029	8.272	ug/l #	73
56) Ethyl methacrylate	10.706	69	745	2.300	ug/l #	24
57) 1,3-Dichloropropane	11.090	76	121661	3.896	ug/l #	43
59) 2-Hexanone	11.090	43	2153393	84.589	ug/l #	47
60) Dibromochloromethane	11.486	129	1002	2.426	ug/l #	11
71) Bromoform	12.704	173	95	2.736	ug/l #	29
74) N-amyl acetate	12.197	43	82689	1.911	ug/l #	52
76) 1,2,3-Trichloropropane	12.731	75	728770	23.113	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	728770	73.562	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	345	2.896	ug/l #	61
95) Naphthalene	15.499	128	909	4.001	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.697	180	183	2.445	ug/l #	12

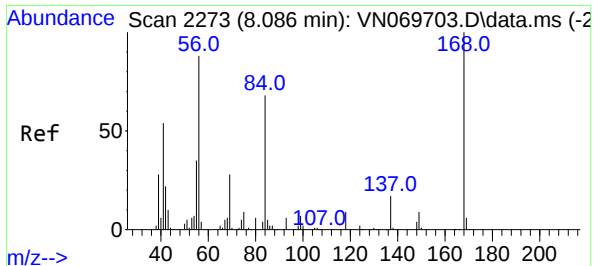
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
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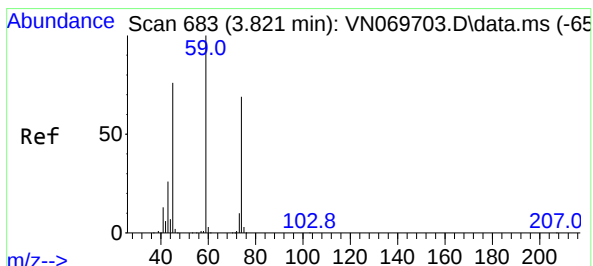
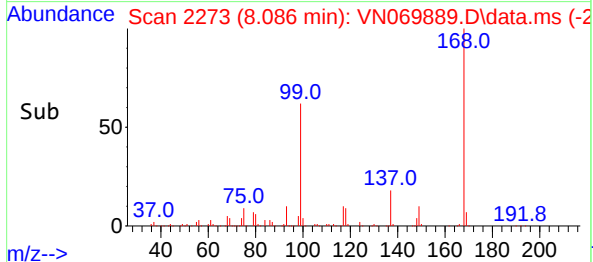
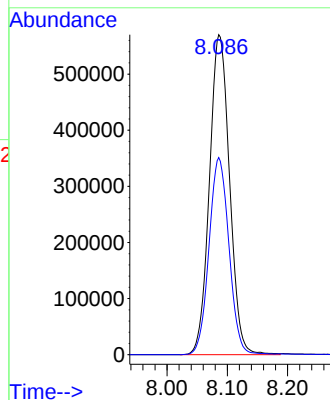
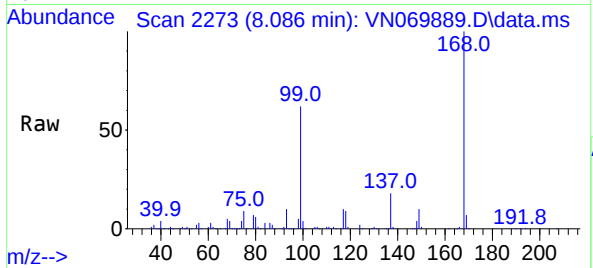




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

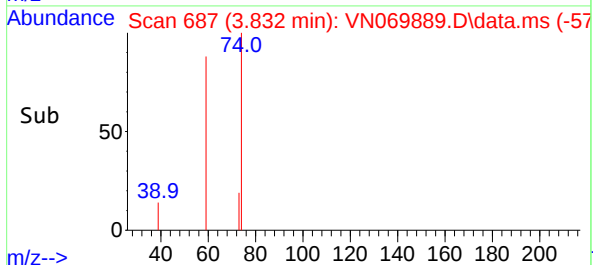
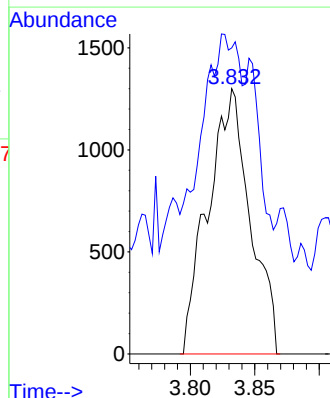
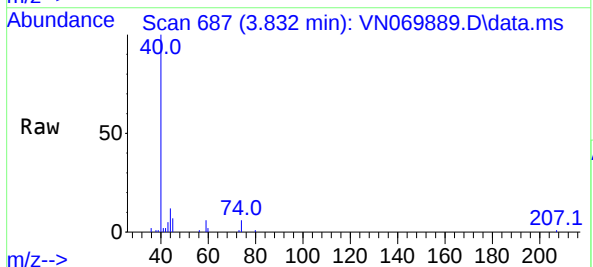
Instrument :
MSVOA_N
ClientSampleId :
PB141231TB

Tgt Ion:168 Resp: 1323558
Ion Ratio Lower Upper
168 100
99 61.6 41.3 61.9



#8
Diethyl Ether
Concen: 0.330 ug/l
RT: 3.832 min Scan# 687
Delta R.T. 0.011 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

Tgt Ion: 74 Resp: 2967
Ion Ratio Lower Upper
74 100
45 42.4 47.0 141.2#

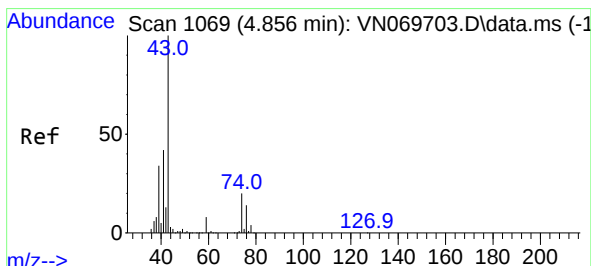
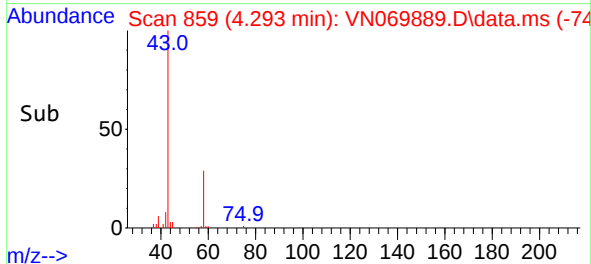
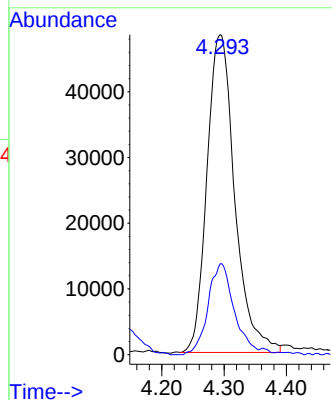
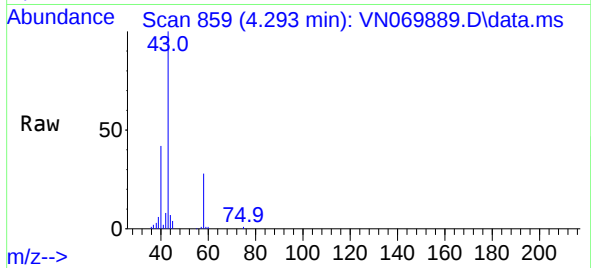




#16
Acetone
Concen: 12.220 ug/l
RT: 4.293 min Scan# 81
Delta R.T. 0.003 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

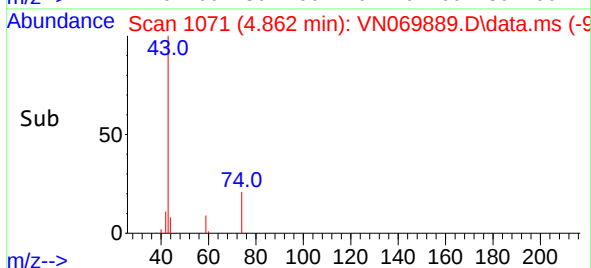
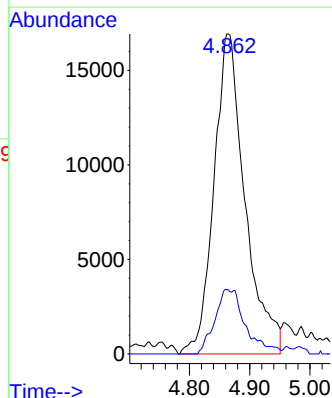
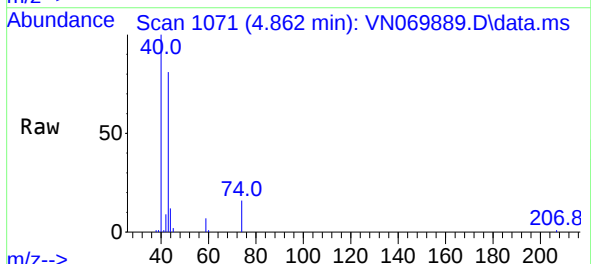
Instrument :
MSVOA_N
ClientSampleId :
PB141231TB

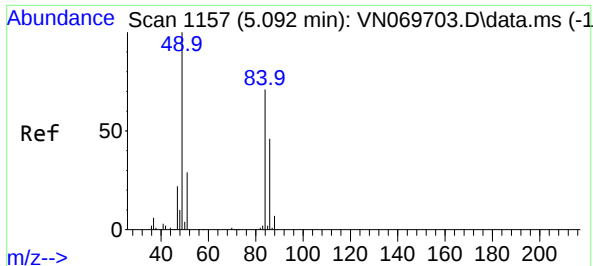
Tgt Ion: 43 Resp: 150220
Ion Ratio Lower Upper
43 100
58 28.6 23.1 34.7



#18
Methyl Acetate
Concen: 1.630 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

Tgt Ion: 43 Resp: 60469
Ion Ratio Lower Upper
43 100
74 10.9 19.4 29.2#





#20

Methylene Chloride

Concen: 2.237 ug/l

RT: 5.095 min Scan# 1157

Delta R.T. 0.003 min

Lab File: VN069889.D

Acq: 9 Dec 2021 3:55

Instrument :

MSVOA_N

ClientSampleId :

PB141231TB

Tgt Ion: 84 Resp: 36550

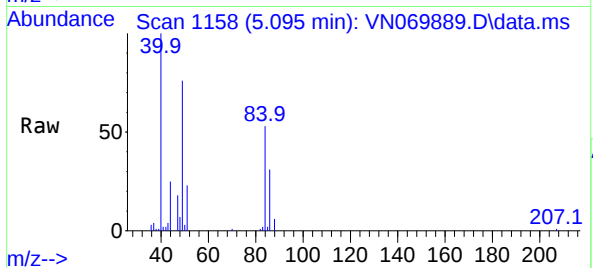
Ion Ratio Lower Upper

84 100

49 141.3 93.5 140.3#

51 43.9 29.4 44.2

86 57.5 53.0 79.4



Abundance

15000

5.095

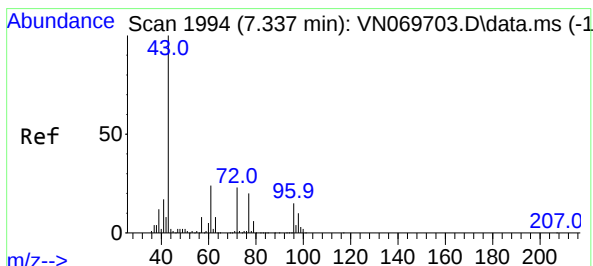
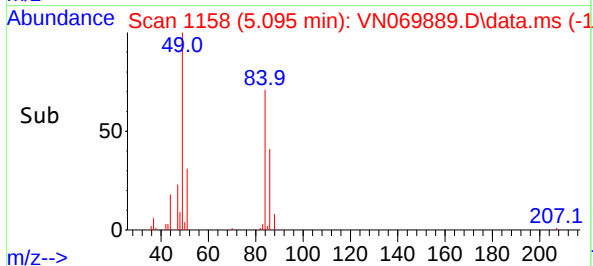
10000

5000

0

Time-->

5.00 5.10 5.20



#25

2-Butanone

Concen: 1.489 ug/l

RT: 7.340 min Scan# 1995

Delta R.T. 0.003 min

Lab File: VN069889.D

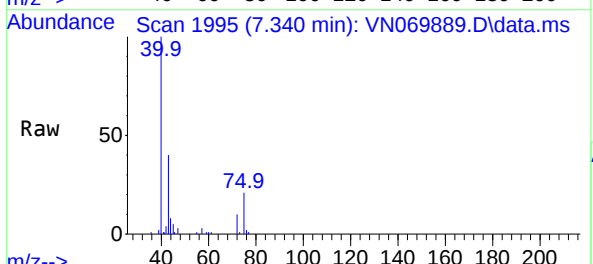
Acq: 9 Dec 2021 3:55

Tgt Ion: 43 Resp: 24875

Ion Ratio Lower Upper

43 100

72 26.6 21.7 32.5



Abundance

8000

7.340

6000

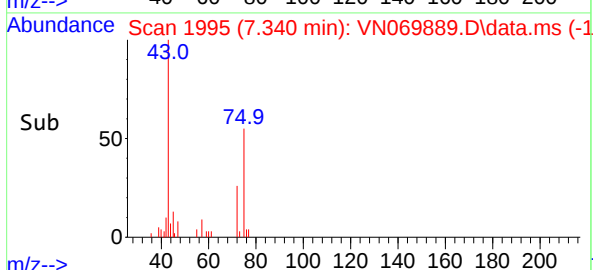
4000

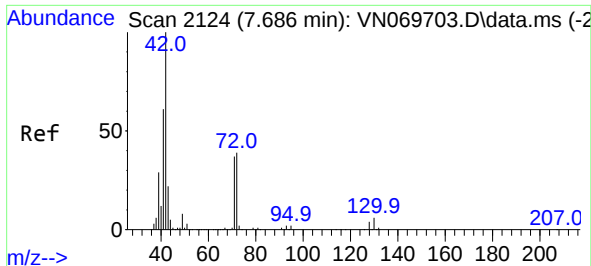
2000

0

Time-->

7.30 7.40

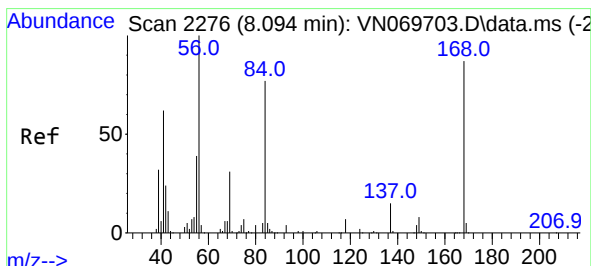
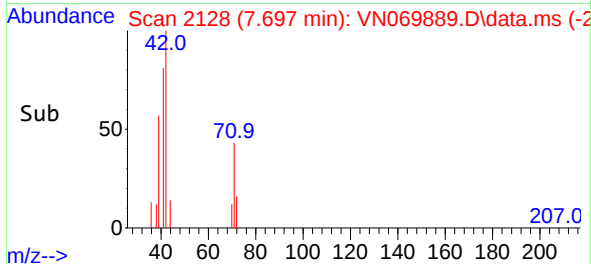
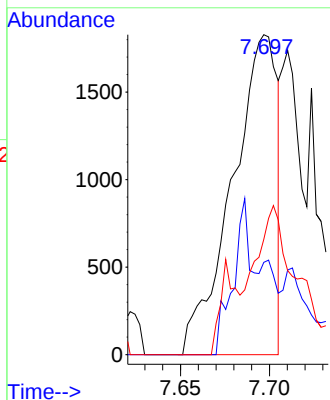
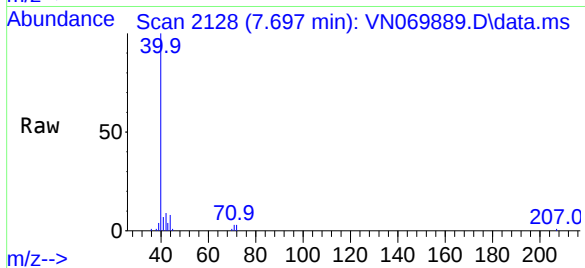




#29
Tetrahydrofuran
Concen: 0.315 ug/l
RT: 7.697 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

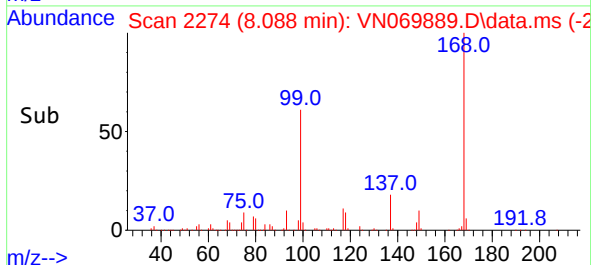
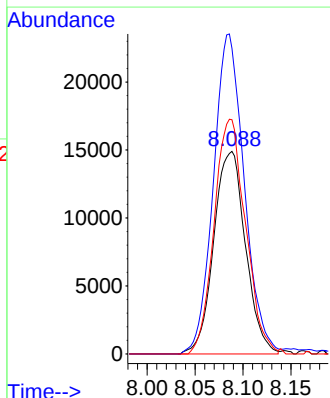
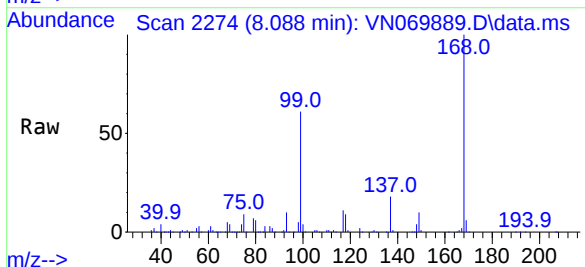
Instrument :
MSVOA_N
ClientSampleId :
PB141231TB

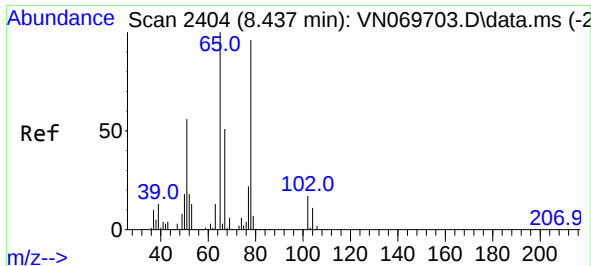
Tgt Ion: 42 Resp: 3192
Ion Ratio Lower Upper
42 100
72 14.7 36.3 54.5#
71 43.5 34.7 52.1



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.005 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

Tgt Ion: 56 Resp: 34344
Ion Ratio Lower Upper
56 100
69 150.8 27.1 40.7#
84 115.6 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 51.402 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN069889.D

Acq: 9 Dec 2021 3:55

Instrument :

MSVOA_N

ClientSampleId :

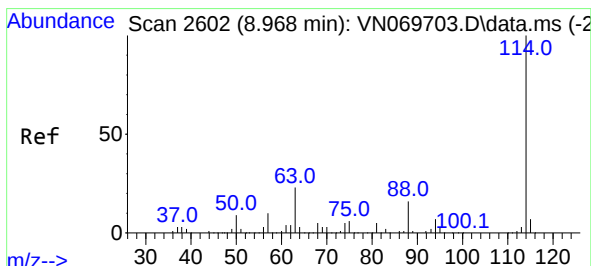
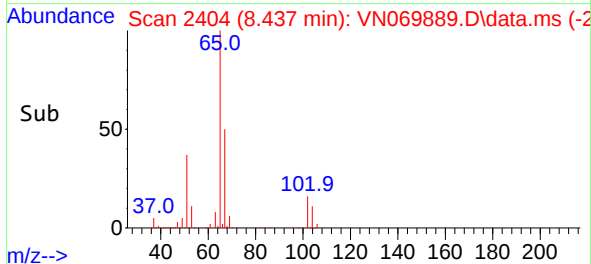
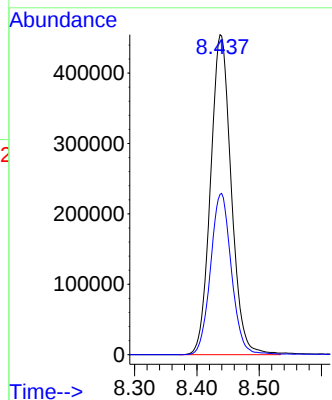
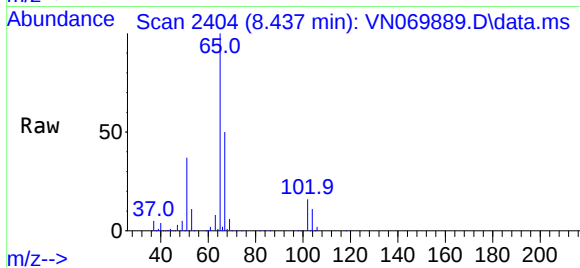
PB141231TB

Tgt Ion: 65 Resp: 1050434

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN069889.D

Acq: 9 Dec 2021 3:55

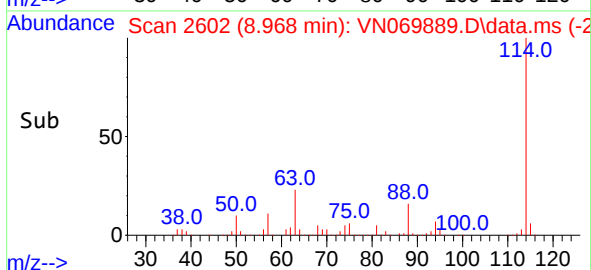
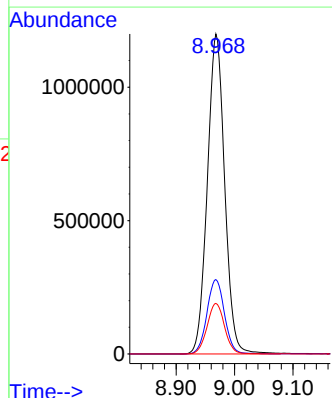
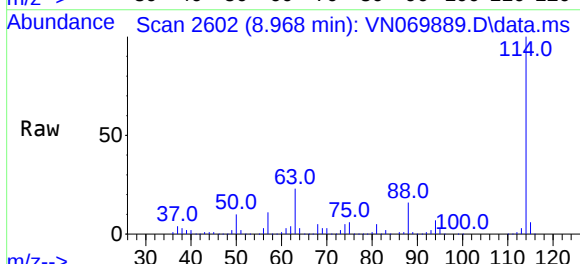
Tgt Ion: 114 Resp: 2474043

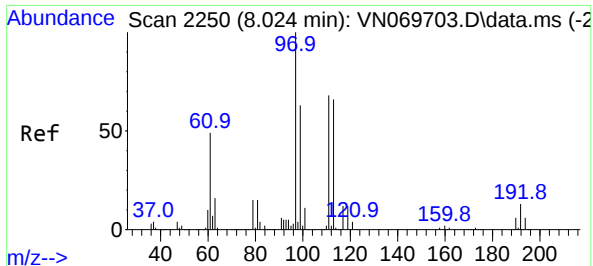
Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

88 15.8 0.0 27.4

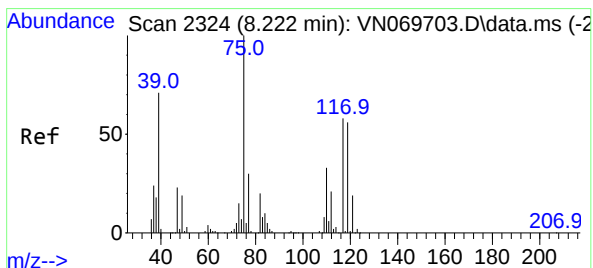
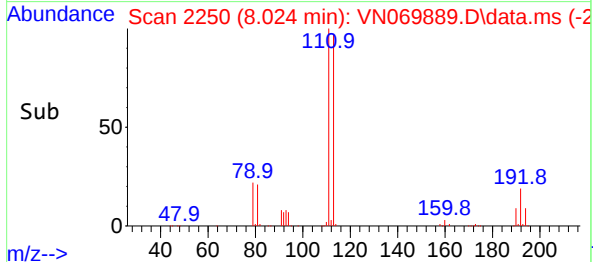
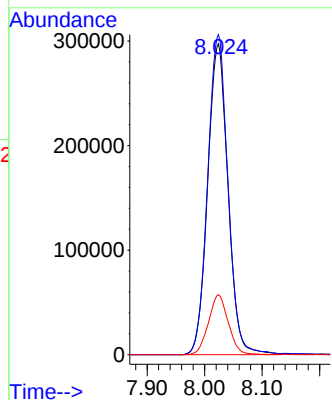
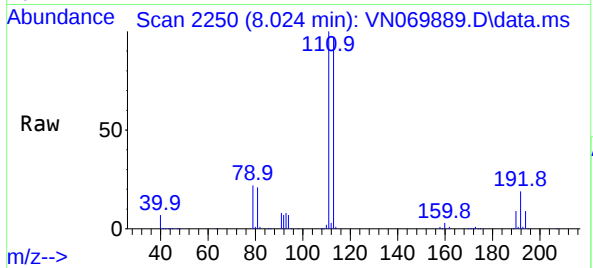




#35
Dibromofluoromethane
Concen: 47.096 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

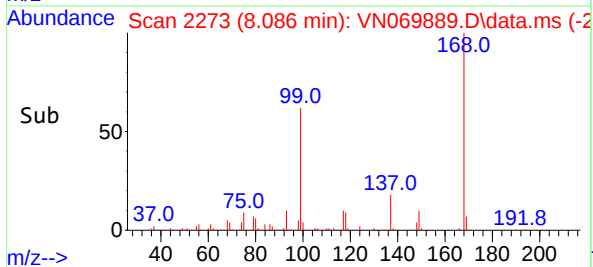
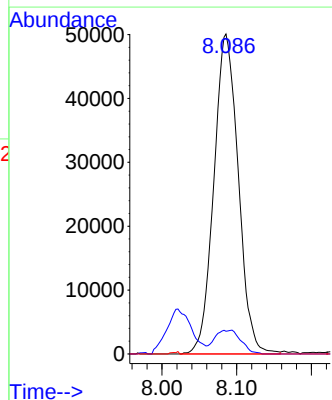
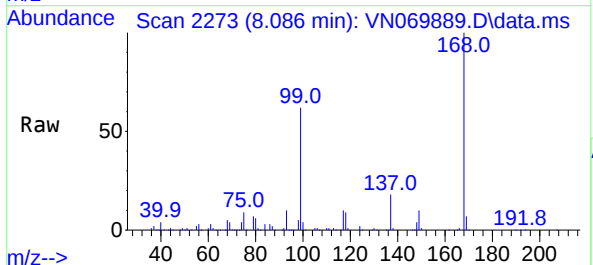
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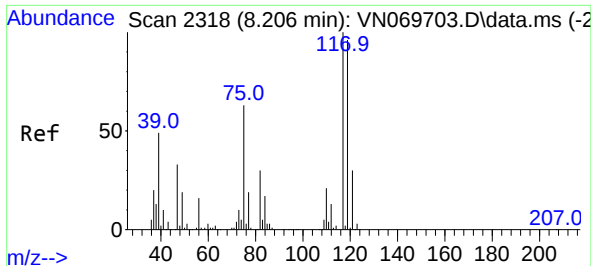
Tgt Ion:113 Resp: 729837
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 18.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.830 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

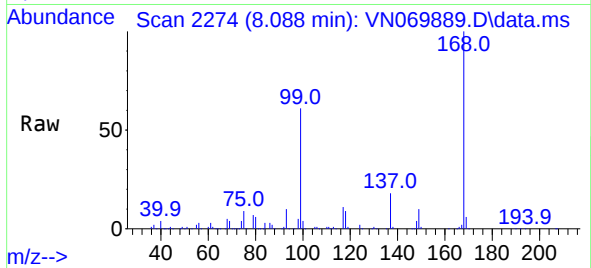
Tgt Ion: 75 Resp: 113763
Ion Ratio Lower Upper
75 100
110 2.0 18.4 55.2#
77 0.0 24.4 36.6#



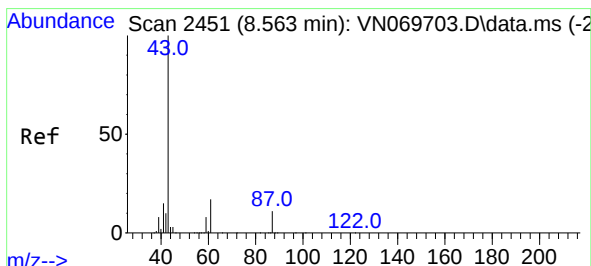
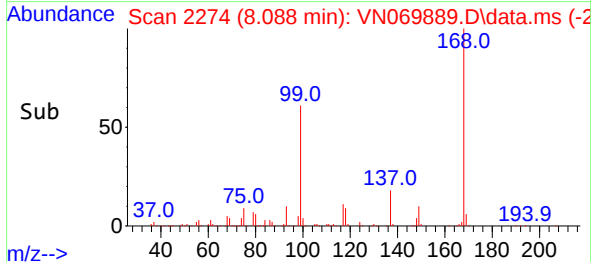
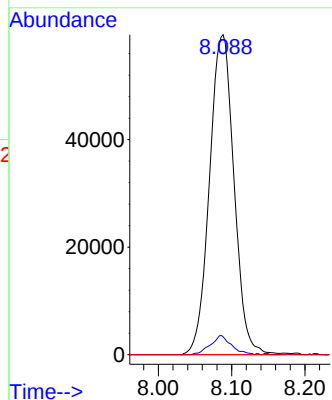


#38
Carbon Tetrachloride
Concen: 5.992 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.118 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

Instrument :
MSVOA_N
ClientSampleId :
PB141231TB

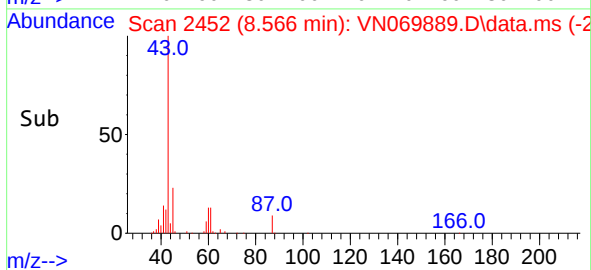
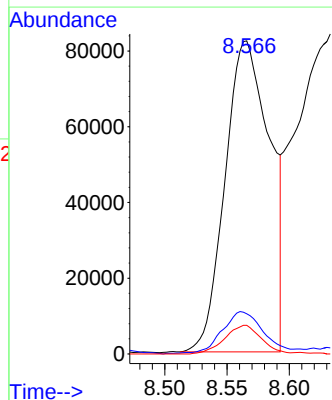
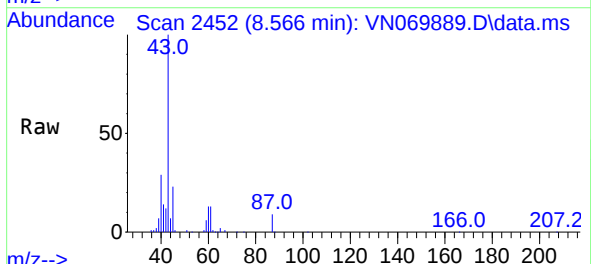


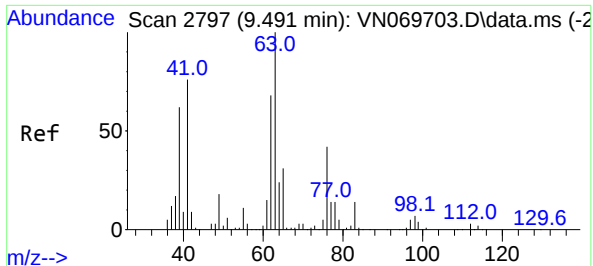
Tgt Ion:117 Resp: 138386
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.961 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

Tgt Ion: 43 Resp: 205500
Ion Ratio Lower Upper
43 100
61 12.6 20.4 30.6#
87 7.5 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.506 ug/l

RT: 9.622 min Scan# 2817

Delta R.T. 0.132 min

Lab File: VN069889.D

Acq: 9 Dec 2021 3:55

Instrument :

MSVOA_N

ClientSampleId :

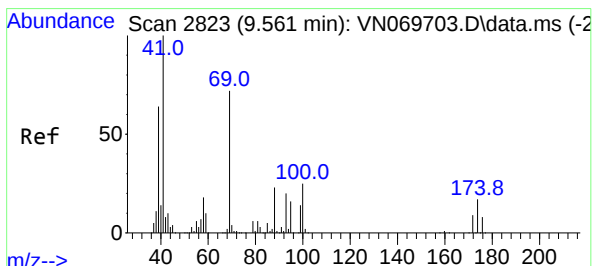
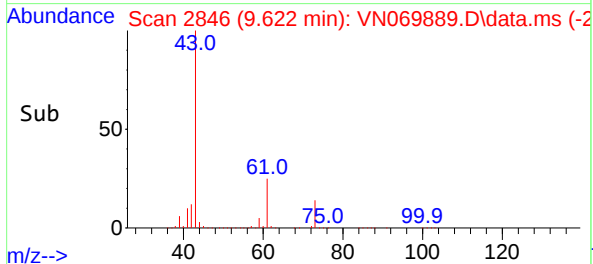
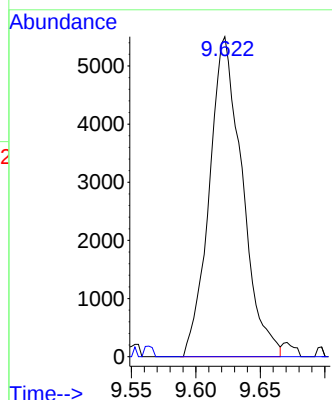
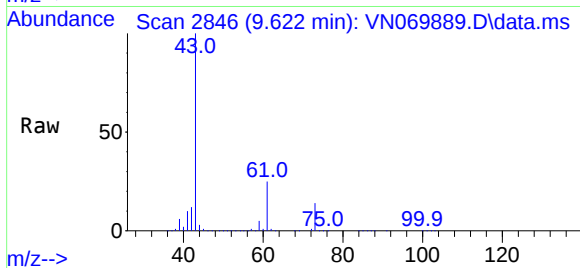
PB141231TB

Tgt Ion: 63 Resp: 9775

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.601 ug/l

RT: 9.545 min Scan# 2817

Delta R.T. -0.016 min

Lab File: VN069889.D

Acq: 9 Dec 2021 3:55

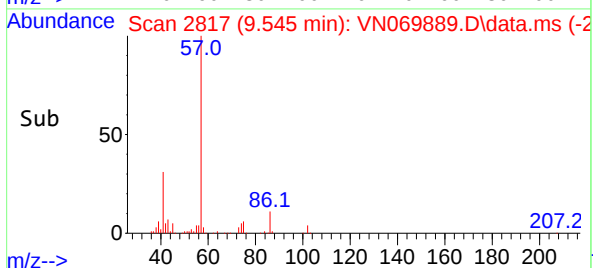
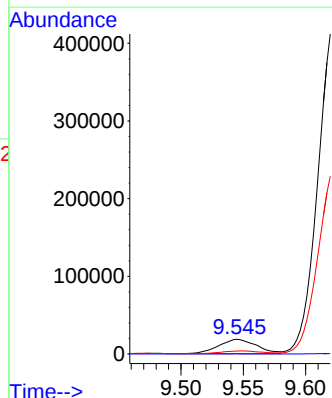
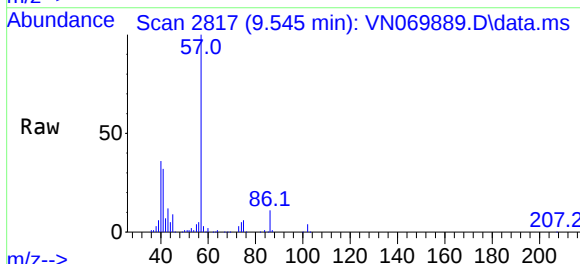
Tgt Ion: 41 Resp: 38766

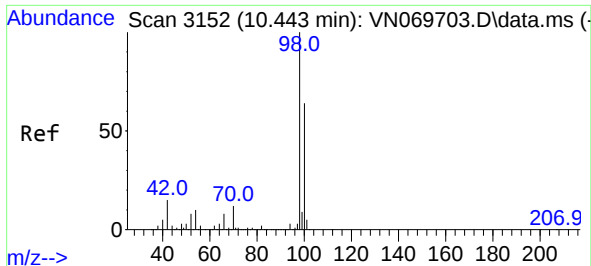
Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#

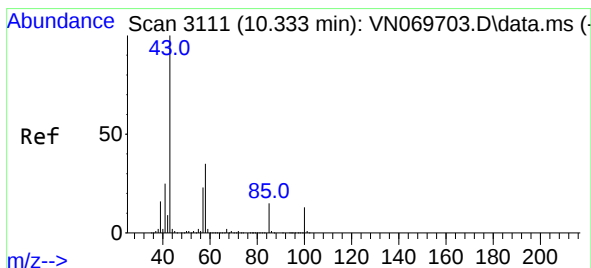
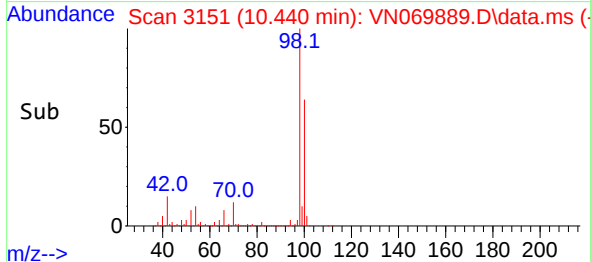
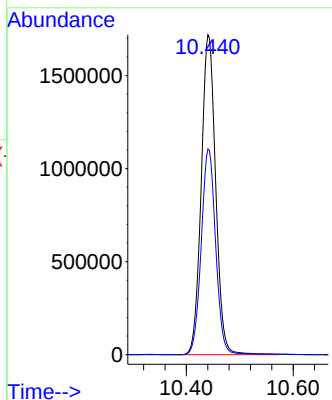
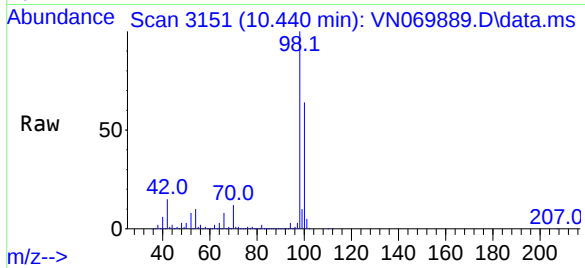




#50
Toluene-d8
Concen: 51.885 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.002 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

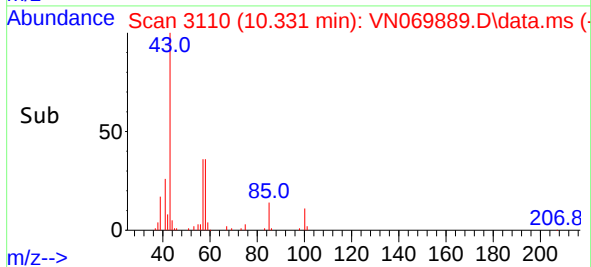
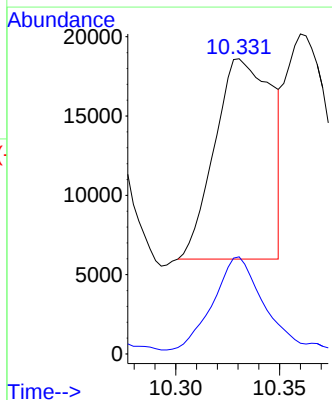
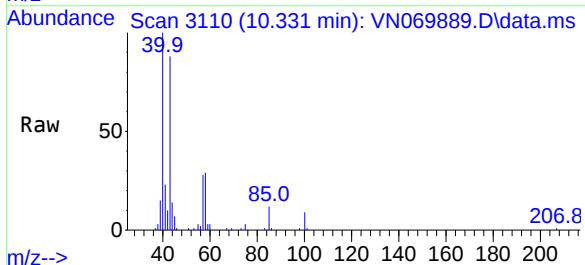
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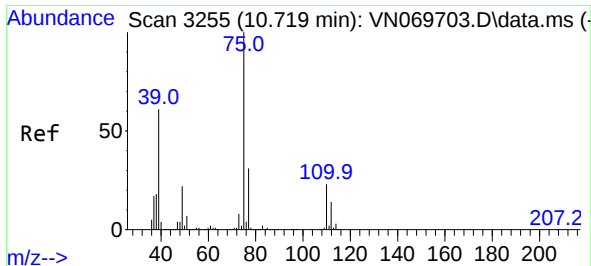
Tgt Ion: 98 Resp: 3228573
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.721 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. -0.002 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

Tgt Ion: 43 Resp: 24272
Ion Ratio Lower Upper
43 100
58 44.4 30.4 45.6

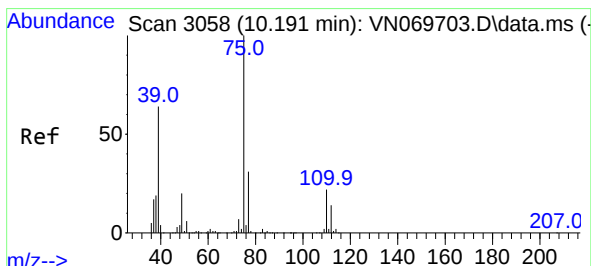
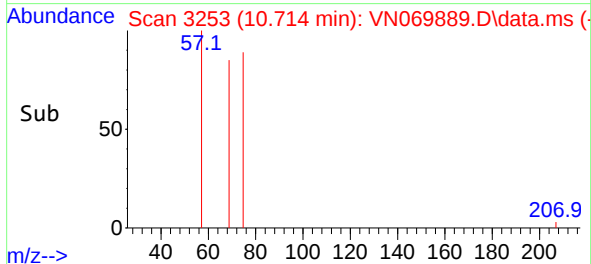
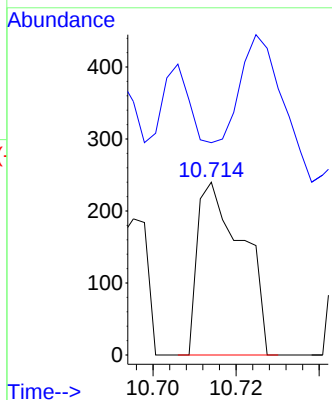
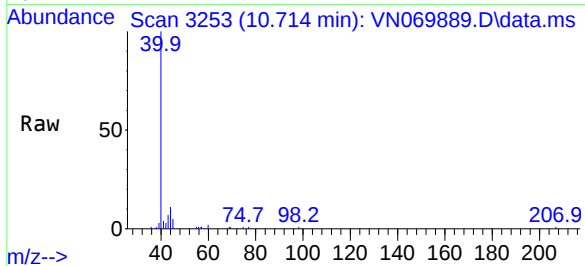




#53
t-1,3-Dichloropropene
Concen: 2.800 ug/l
RT: 10.714 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

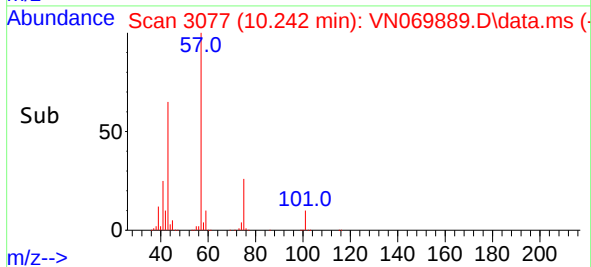
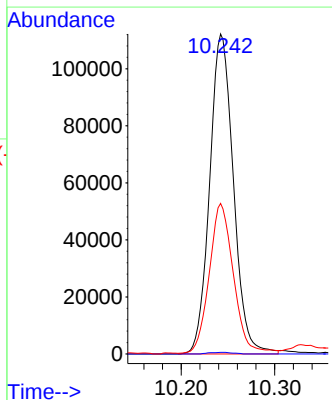
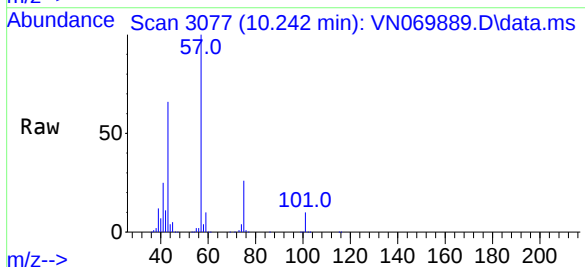
Instrument :
MSVOA_N
ClientSampleId :
PB141231TB

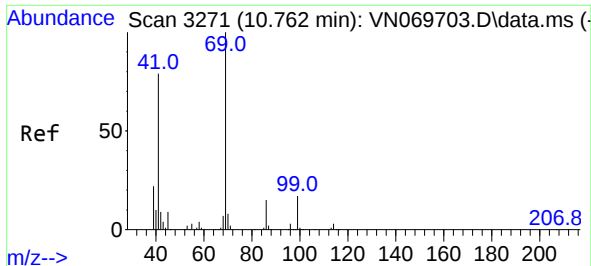
Tgt Ion: 75 Resp: 179
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 8.272 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.051 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

Tgt Ion: 75 Resp: 198029
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 46.8 42.5 63.7

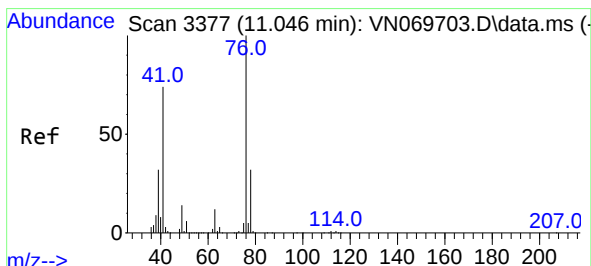
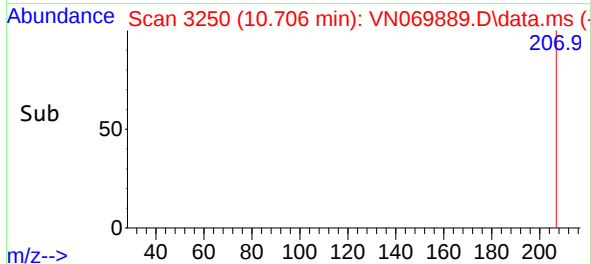
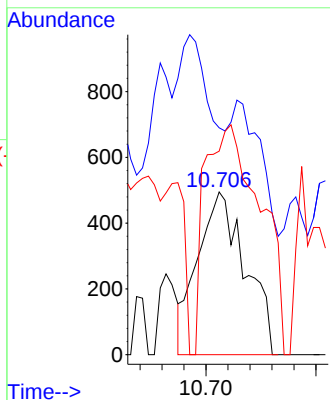
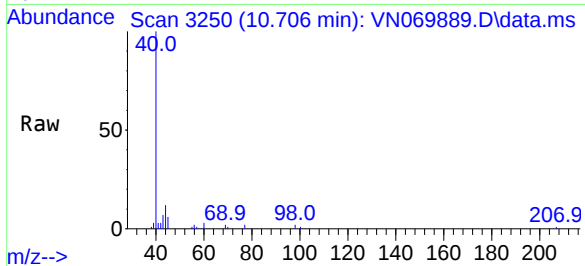




#56
Ethyl methacrylate
Concen: 2.300 ug/l
RT: 10.706 min Scan# 31
Delta R.T. -0.056 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

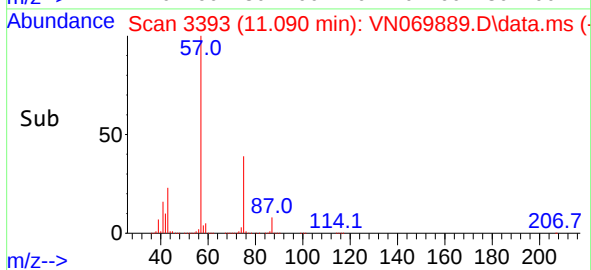
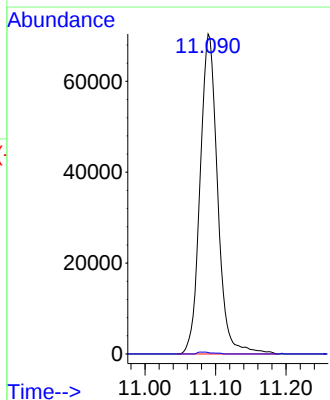
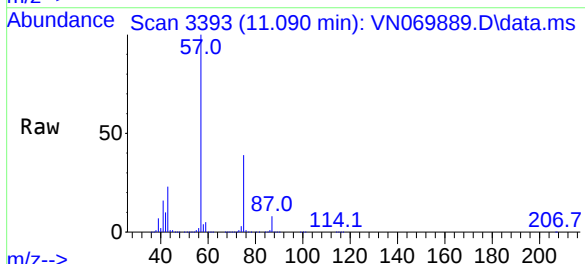
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MSVOA_N
ClientSampleId :
PB141231TB

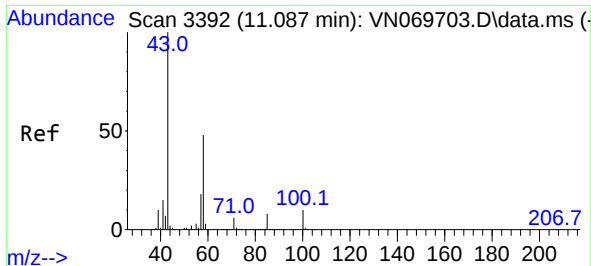
Tgt Ion: 69 Resp: 745
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 3.896 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

Tgt Ion: 76 Resp: 121661
Ion Ratio Lower Upper
76 100
78 0.5 25.7 38.5#

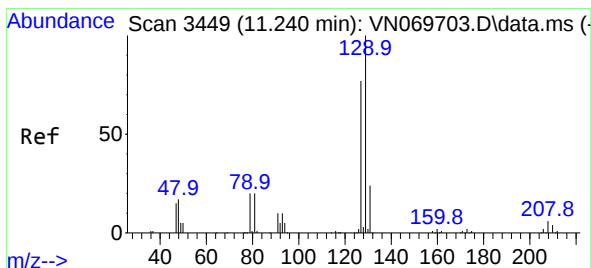
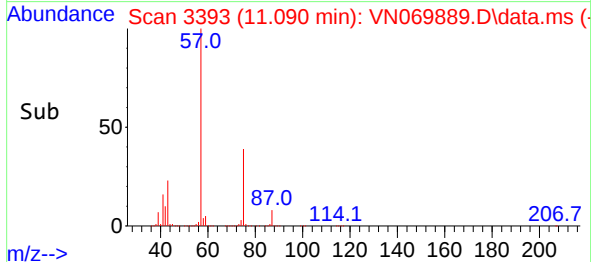
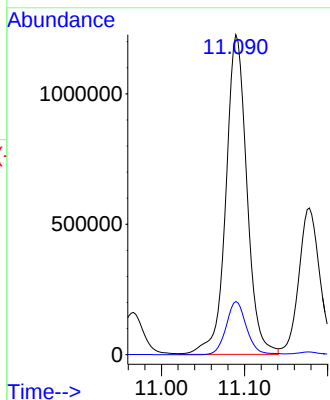
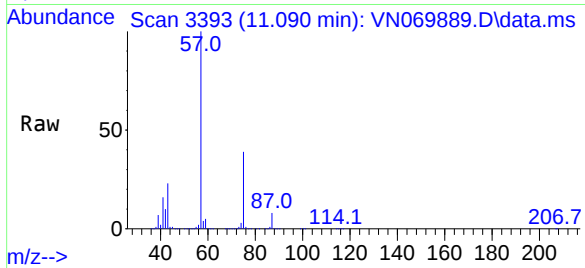




#59
2-Hexanone
Concen: 84.589 ug/l
RT: 11.090 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

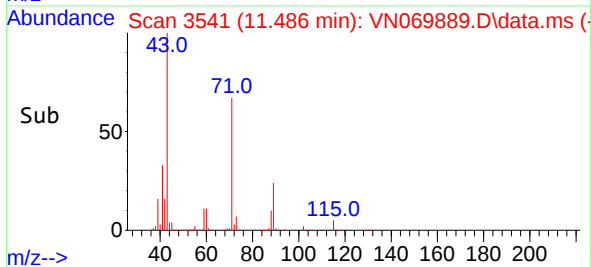
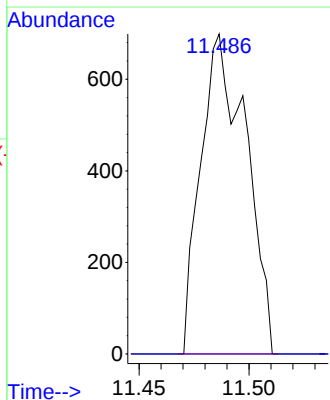
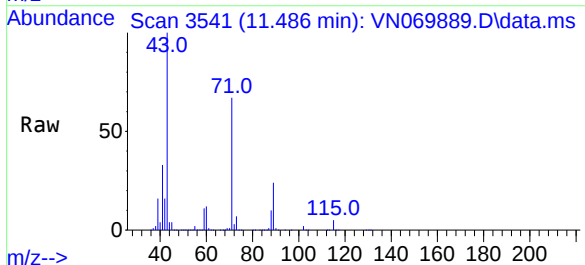
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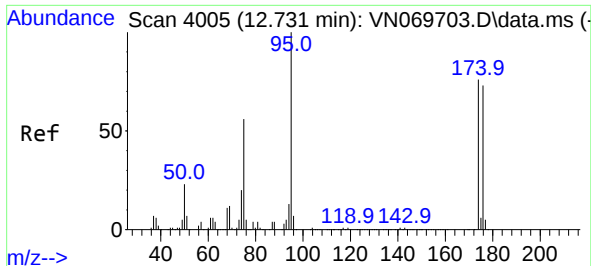
Tgt Ion: 43 Resp: 2153393
Ion Ratio Lower Upper
43 100
58 16.2 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.426 ug/l
RT: 11.486 min Scan# 3541
Delta R.T. 0.246 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

Tgt Ion:129 Resp: 1002
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

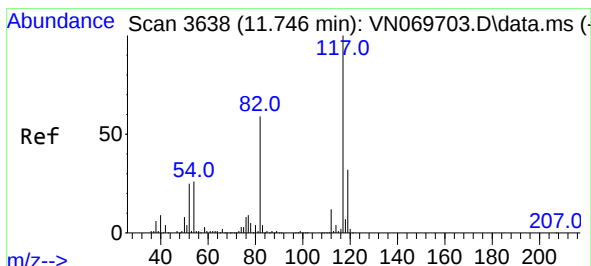
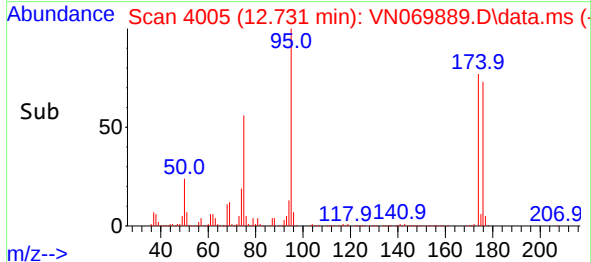
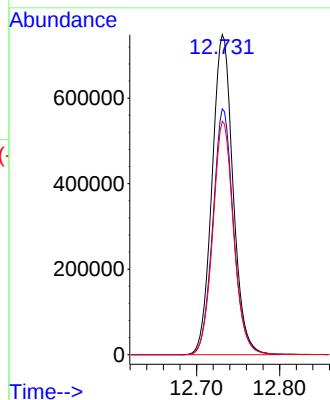
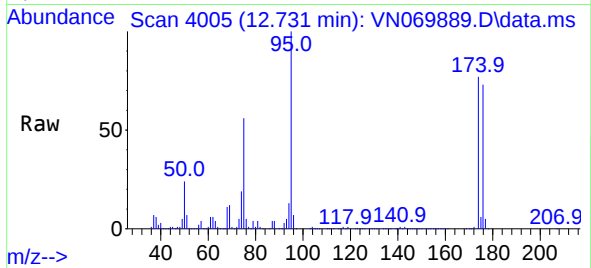




#62
4-Bromofluorobenzene
Concen: 58.128 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

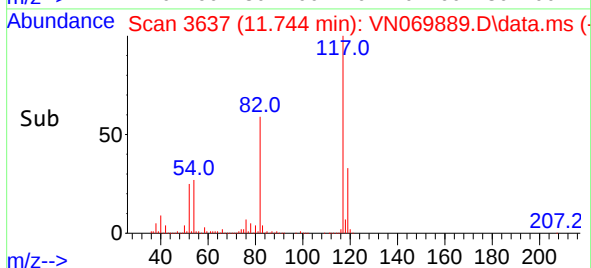
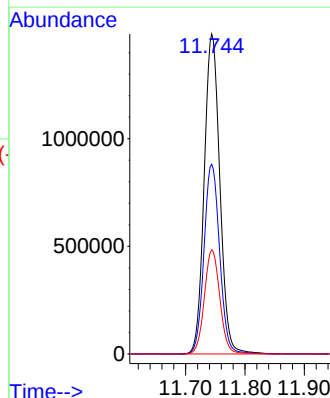
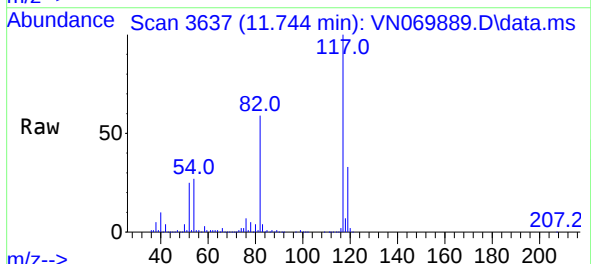
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ClientSampleId :
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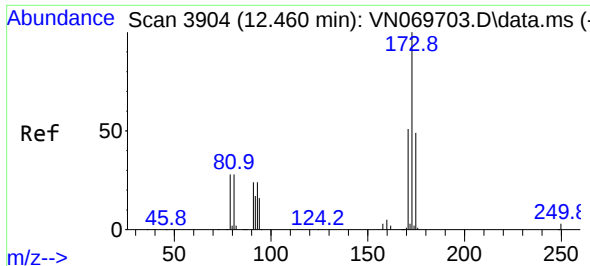
Tgt Ion: 95 Resp: 1310373
Ion Ratio Lower Upper
95 100
174 75.9 0.0 187.2
176 72.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

Tgt Ion: 117 Resp: 2720506
Ion Ratio Lower Upper
117 100
82 59.3 42.4 63.6
119 32.5 25.4 38.2

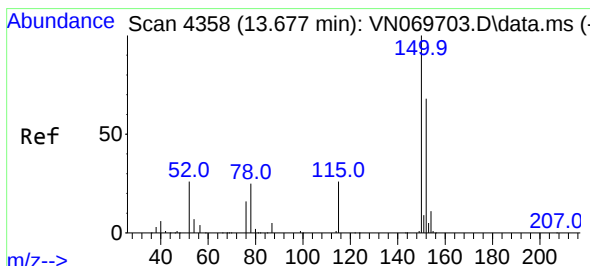
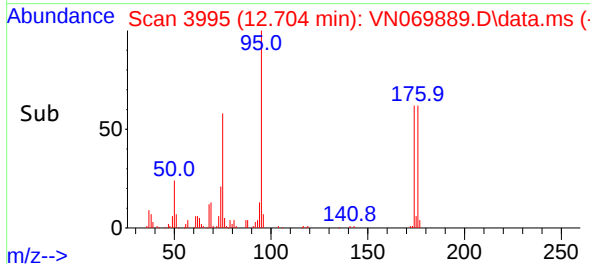
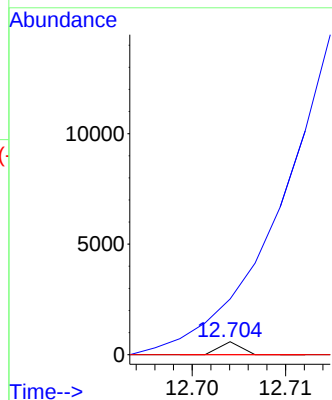
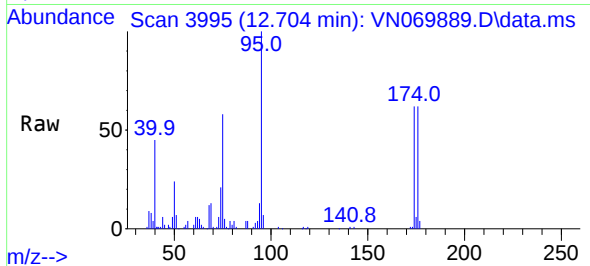




#71
Bromoform
Concen: 2.736 ug/l
RT: 12.704 min Scan# 3904
Delta R.T. 0.244 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

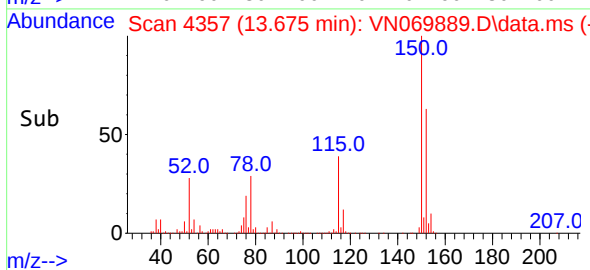
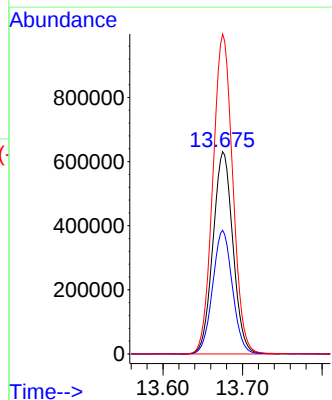
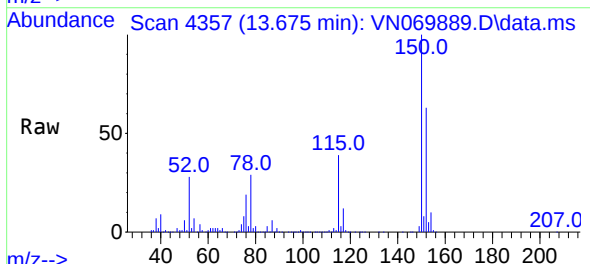
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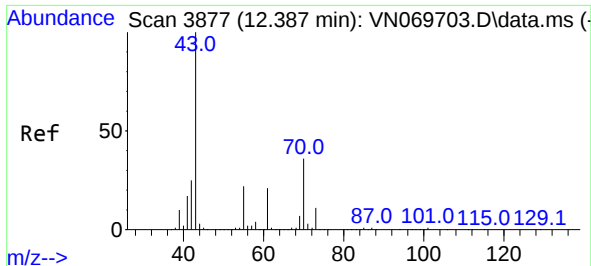
Tgt Ion:173 Resp: 95
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

Tgt Ion:152 Resp: 1099500
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 157.5 0.0 344.4

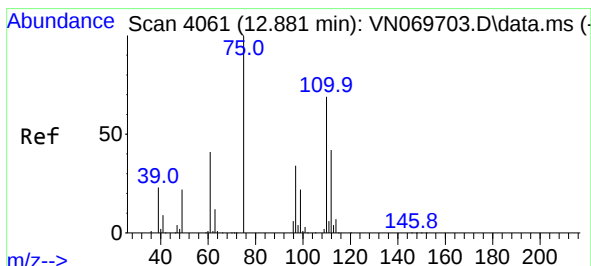
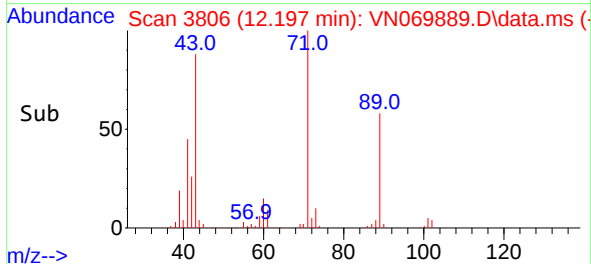
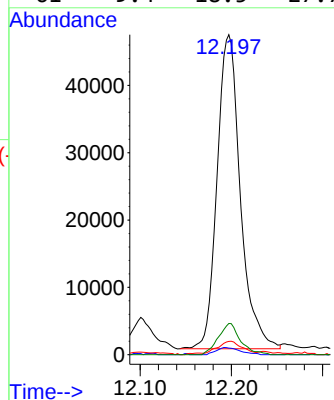
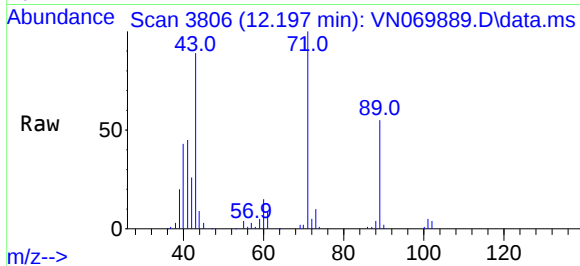




#74
N-amy1 acetate
Concen: 1.911 ug/l
RT: 12.197 min Scan# 31
Delta R.T. -0.190 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

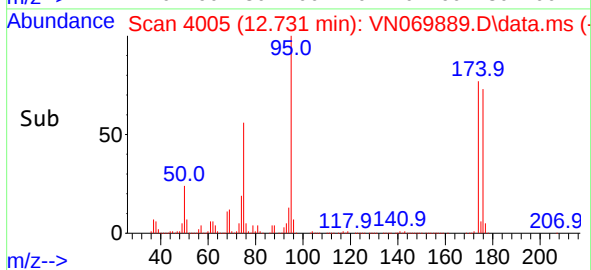
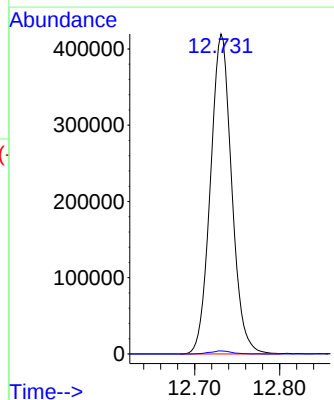
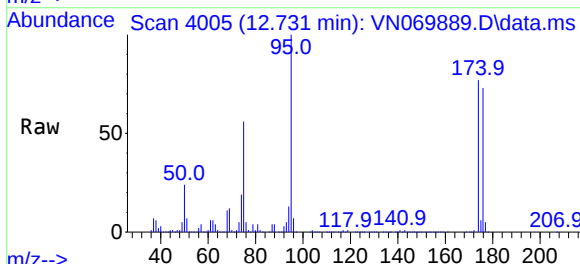
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MSVOA_N
ClientSampleId :
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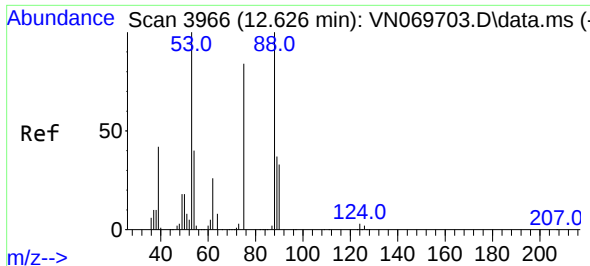
Tgt Ion: 43	Resp: 82689
Ion Ratio	Lower Upper
43 100	
70 2.3	33.4 50.0#
55 4.0	19.3 28.9#
61 9.4	18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 23.113 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

Tgt Ion: 75	Resp: 728770
Ion Ratio	Lower Upper
75 100	
77 1.0	82.6 247.8#

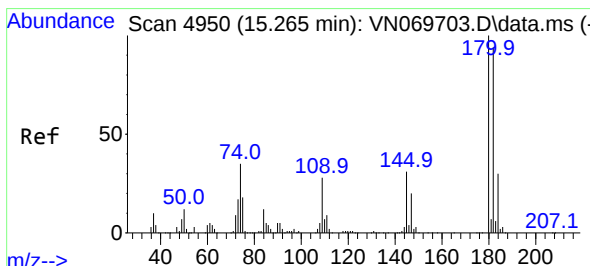
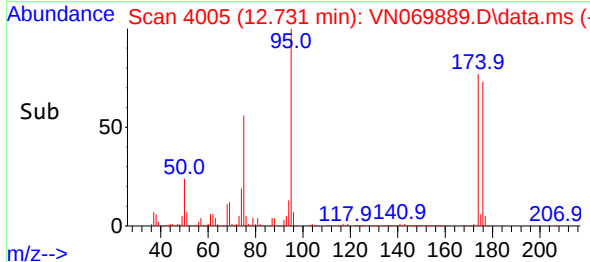
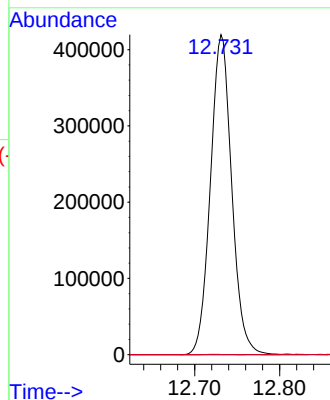
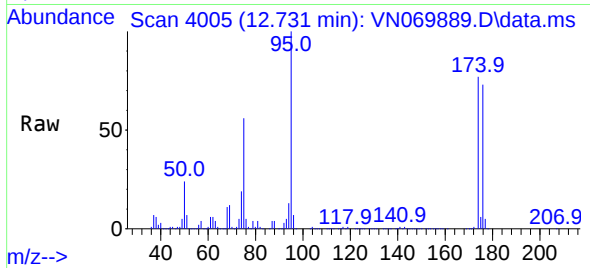




#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.562 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. 0.105 min
 Lab File: VN069889.D
 Acq: 9 Dec 2021 3:55

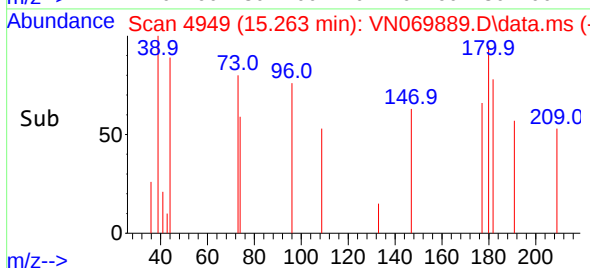
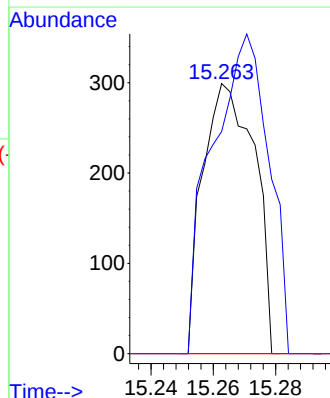
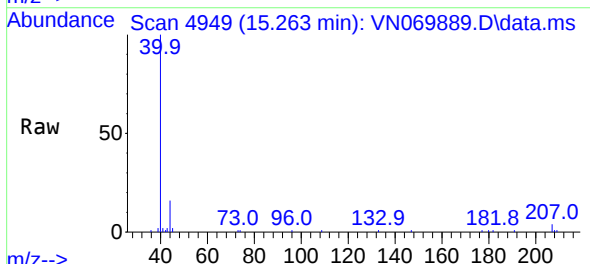
Instrument :
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 ClientSampleId :
 PB141231TB

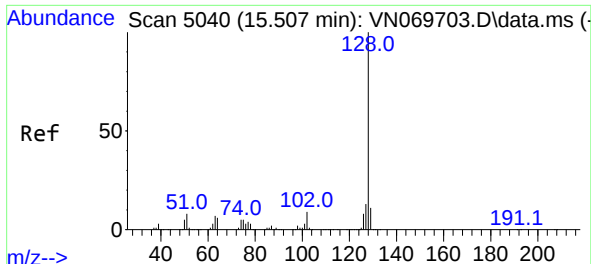
Tgt Ion: 75 Resp: 728770
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.896 ug/l
 RT: 15.263 min Scan# 4949
 Delta R.T. -0.002 min
 Lab File: VN069889.D
 Acq: 9 Dec 2021 3:55

Tgt Ion: 180 Resp: 345
 Ion Ratio Lower Upper
 180 100
 182 129.9 48.3 144.9
 145 0.0 14.5 43.5#

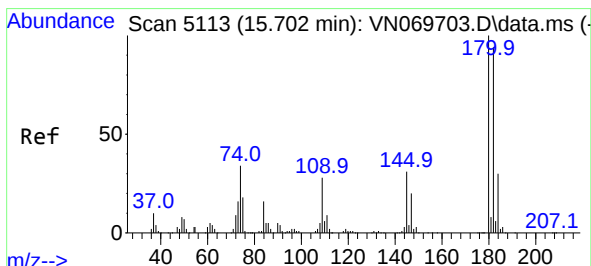
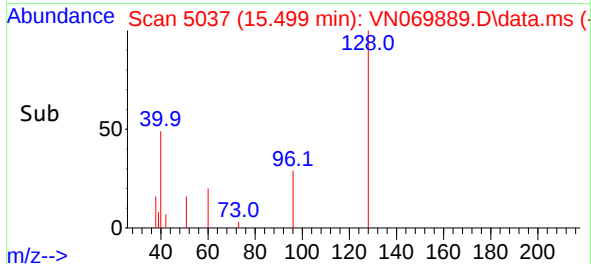
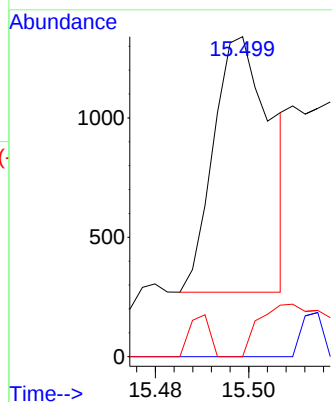
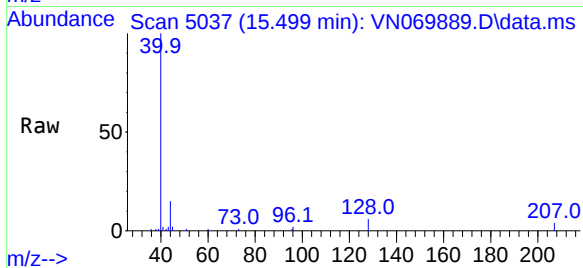




#95
Naphthalene
Concen: 4.001 ug/l
RT: 15.499 min Scan# 5040
Delta R.T. -0.008 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

Instrument :
MSVOA_N
ClientSampleId :
PB141231TB

Tgt Ion:128 Resp: 909
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 5.8 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.445 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN069889.D
Acq: 9 Dec 2021 3:55

Tgt Ion:180 Resp: 183
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 0.0 15.0 45.1#

