

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012822\
 Data File : VN070834.D
 Acq On : 28 Jan 2022 17:27
 Operator : JC/MD
 Sample : PB142316ZHE#11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142316ZHE#11

Quant Time: Jan 28 23:18:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

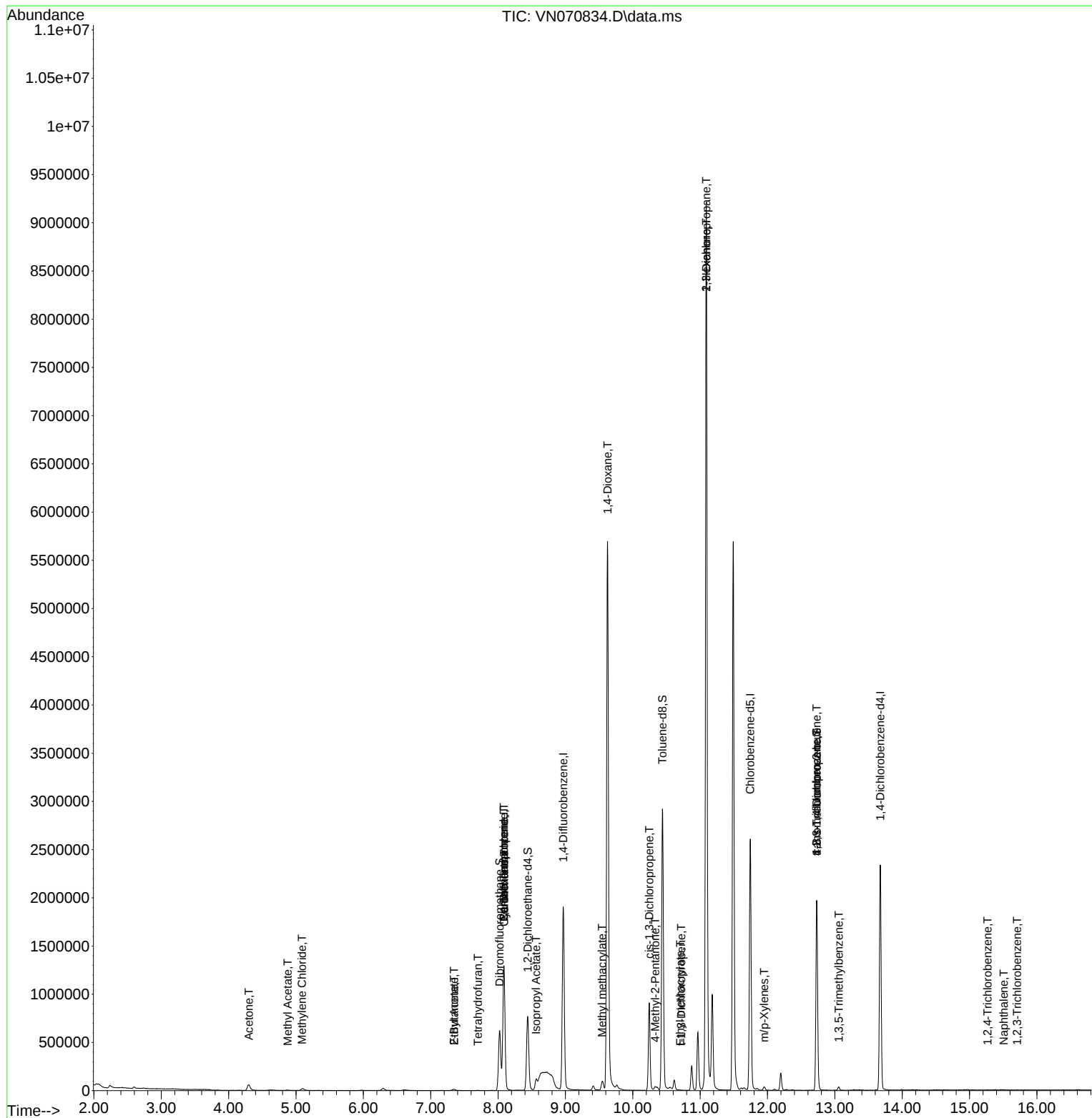
Internal Standards						
1) Pentafluorobenzene	8.088	168	970229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1644557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1516515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	635168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	672978	48.399	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.800%		
35) Dibromofluoromethane	8.024	113	468159	45.893	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.780%		
50) Toluene-d8	10.440	98	2044830	47.582	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.160%		
62) 4-Bromofluorobenzene	12.731	95	727464	47.503	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.000%		
Target Compounds					Qvalue	
16) Acetone	4.299	43	118410	12.269	ug/l	100
18) Methyl Acetate	4.875	43	8175	0.431	ug/l #	64
20) Methylene Chloride	5.090	84	6600	0.519	ug/l	88
25) 2-Butanone	7.345	43	20169	1.661	ug/l	95
29) Tetrahydrofuran	7.699	42	1733	0.233	ug/l #	45
30) Chloroform	7.815	83	80	Below Cal	#	18
31) Cyclohexane	8.091	56	21723	0.887	ug/l #	9
36) 1,1-Dichloropropene	8.086	75	79378	4.622	ug/l #	49
37) Ethyl Acetate	7.345	43	20169	0.885	ug/l #	68
38) Carbon Tetrachloride	8.086	117	99185	6.492	ug/l #	17
43) Isopropyl Acetate	8.566	43	143083	4.109	ug/l #	82
48) Methyl methacrylate	9.545	41	26600	1.603	ug/l #	8
49) 1,4-Dioxane	9.628	88	870	3.491	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	18663	0.840	ug/l #	75
53) t-1,3-Dichloropropene	10.719	75	195	2.413	ug/l #	1
54) cis-1,3-Dichloropropene	10.245	75	159151	7.712	ug/l #	60
56) Ethyl methacrylate	10.703	69	562	2.324	ug/l #	24
57) 1,3-Dichloropropane	11.089	76	93840	4.239	ug/l #	43
59) 2-Hexanone	11.089	43	1562978	96.822	ug/l #	49
68) m/p-Xylenes	11.950	106	10770	0.486	ug/l	86
76) 1,2,3-Trichloropropane	12.731	75	386646	22.951	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.058	105	15104	0.311	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.731	75	386646	68.376	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	571	3.470	ug/l #	84
95) Naphthalene	15.507	128	4609	5.075	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.705	180	498	3.257	ug/l	93

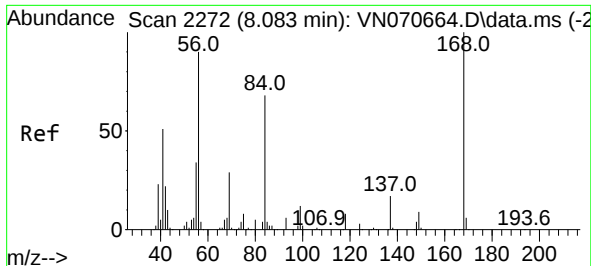
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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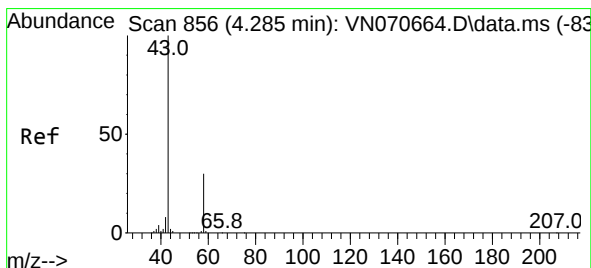
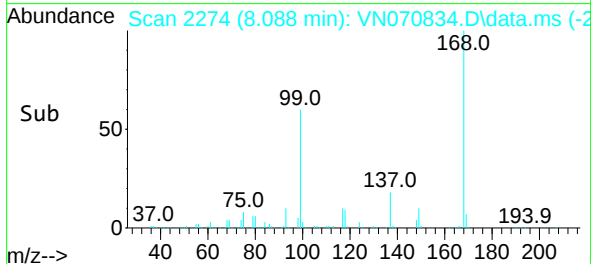
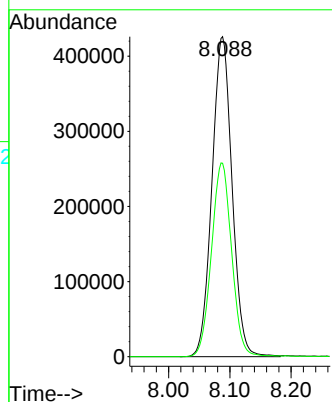
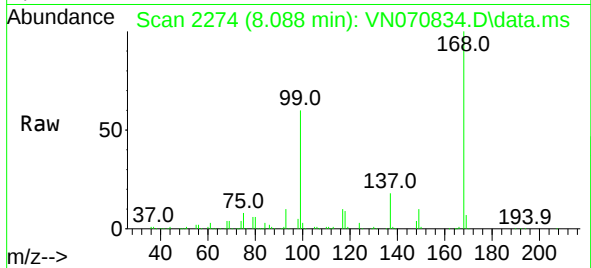




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

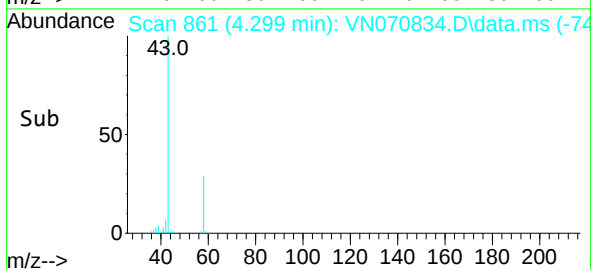
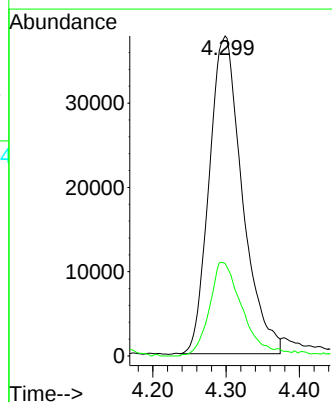
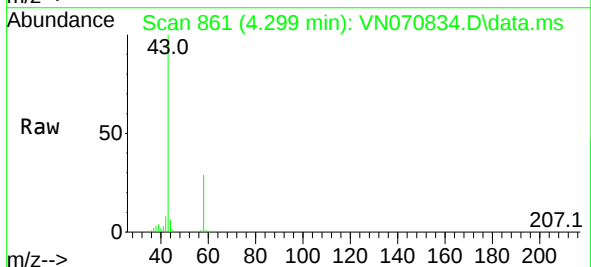
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#11

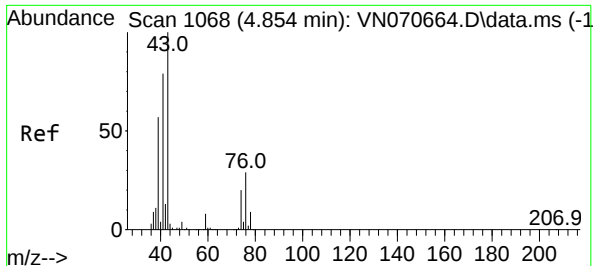
Tgt Ion:168 Resp: 970229
Ion Ratio Lower Upper
168 100
99 60.5 41.3 61.9



#16
Acetone
Concen: 12.269 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

Tgt Ion: 43 Resp: 118410
Ion Ratio Lower Upper
43 100
58 29.1 23.1 34.7





#18

Methyl Acetate

Concen: 0.431 ug/l

RT: 4.875 min Scan# 1106

Delta R.T. 0.021 min

Lab File: VN070834.D

Acq: 28 Jan 2022 17:27

Instrument :

MSVOA_N

ClientSampleId :

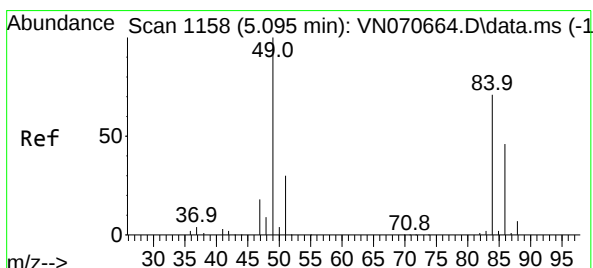
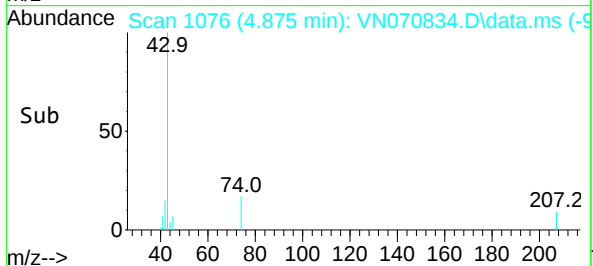
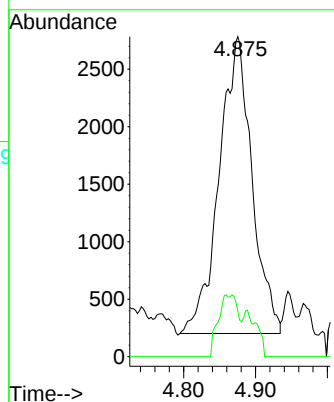
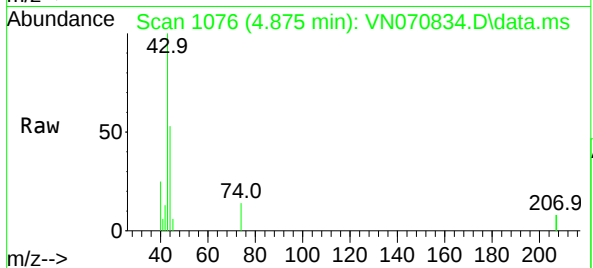
PB142316ZHE#11

Tgt Ion: 43 Resp: 8175

Ion Ratio Lower Upper

43 100

74 6.4 19.4 29.2#



#20

Methylene Chloride

Concen: 0.519 ug/l

RT: 5.090 min Scan# 1156

Delta R.T. -0.005 min

Lab File: VN070834.D

Acq: 28 Jan 2022 17:27

Tgt Ion: 84 Resp: 6600

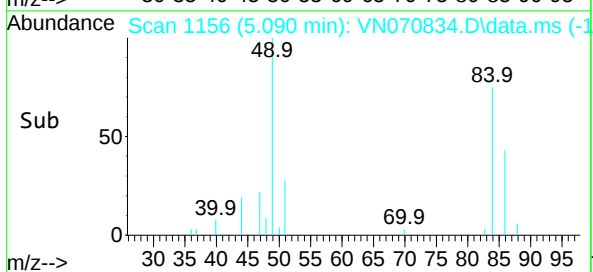
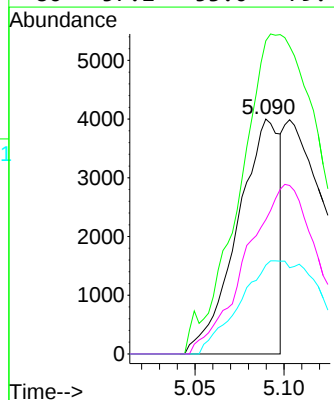
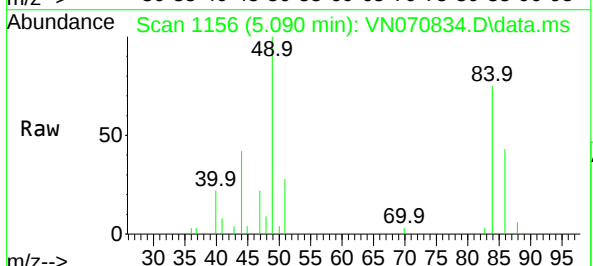
Ion Ratio Lower Upper

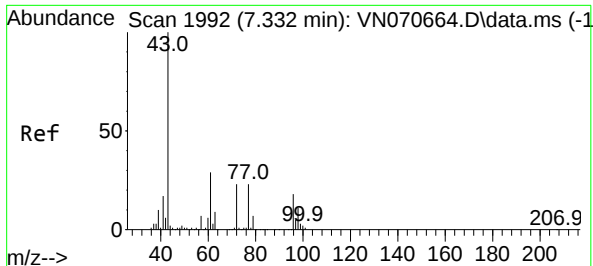
84 100

49 133.4 93.5 140.3

51 37.8 29.4 44.2

86 57.2 53.0 79.4





#25

2-Butanone

Concen: 1.661 ug/l

RT: 7.345 min Scan# 1992

Delta R.T. 0.013 min

Lab File: VN070834.D

Acq: 28 Jan 2022 17:27

Instrument :

MSVOA_N

ClientSampleId :

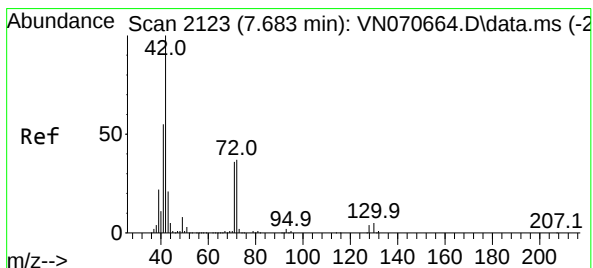
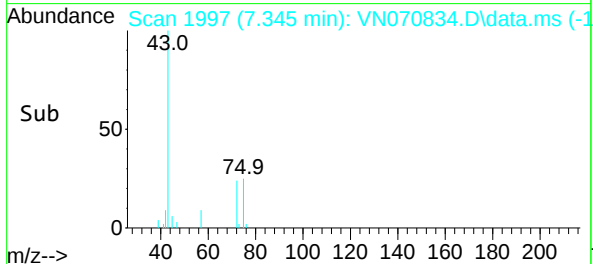
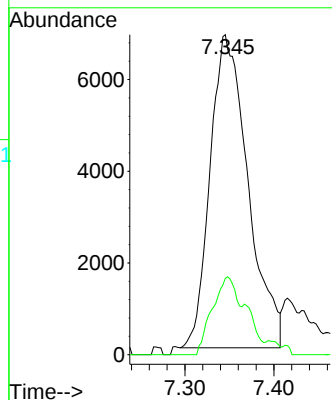
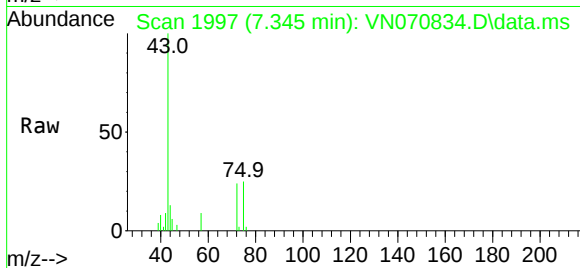
PB142316ZHE#11

Tgt Ion: 43 Resp: 20169

Ion Ratio Lower Upper

43 100

72 24.4 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.233 ug/l

RT: 7.699 min Scan# 2129

Delta R.T. 0.016 min

Lab File: VN070834.D

Acq: 28 Jan 2022 17:27

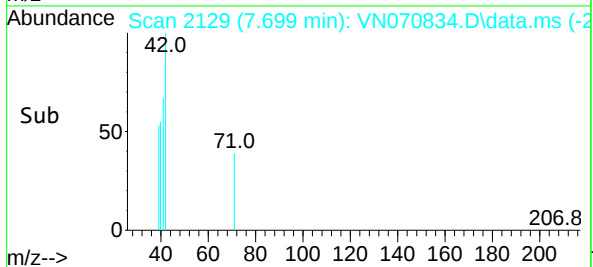
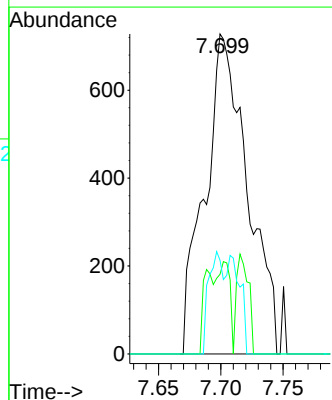
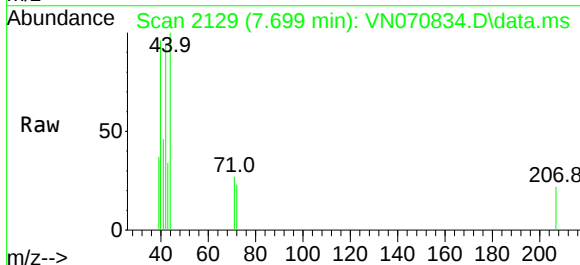
Tgt Ion: 42 Resp: 1733

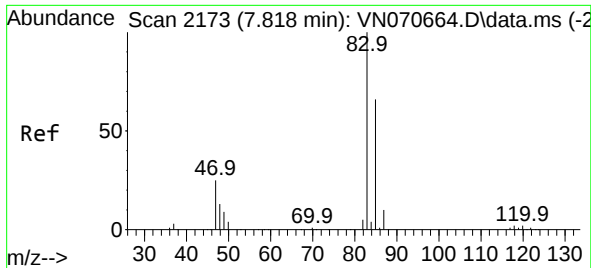
Ion Ratio Lower Upper

42 100

72 7.1 36.3 54.5#

71 10.7 34.7 52.1#

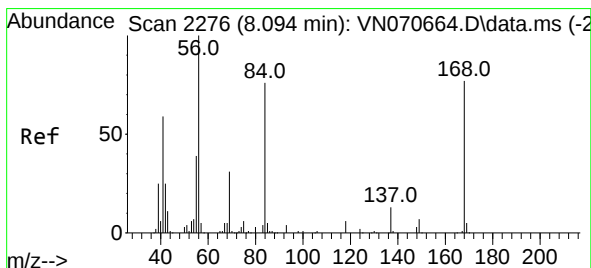
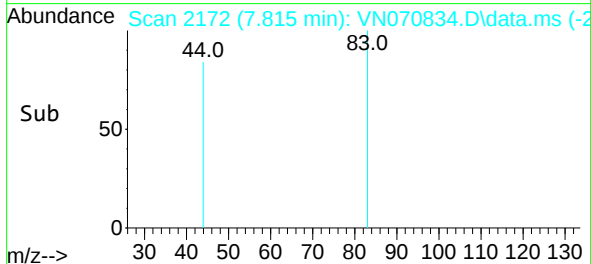
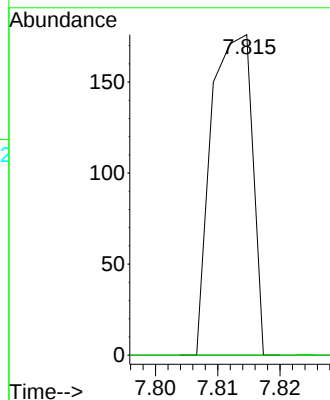
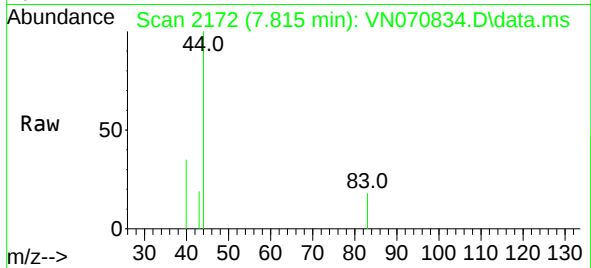




#30
Chloroform
Concen: Below Cal
RT: 7.815 min Scan# 2173
Delta R.T. -0.003 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

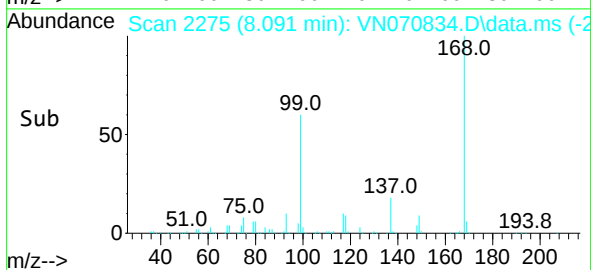
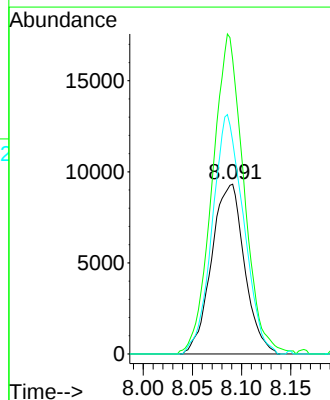
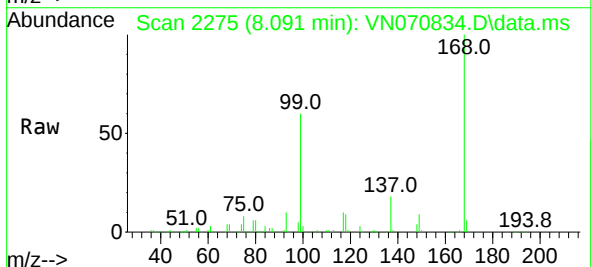
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#11

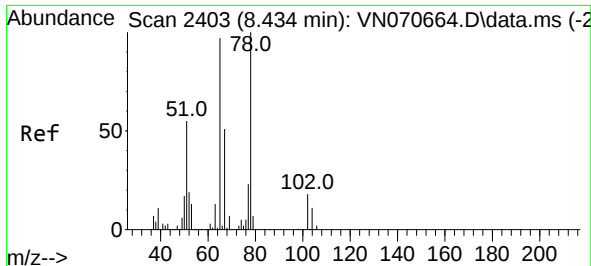
Tgt Ion: 83 Resp: 80
Ion Ratio Lower Upper
83 100
85 0.0 51.9 77.9#



#31
Cyclohexane
Concen: 0.887 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

Tgt Ion: 56 Resp: 21723
Ion Ratio Lower Upper
56 100
69 171.6 27.1 40.7#
84 125.3 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 48.399 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.006 min

Lab File: VN070834.D

Acq: 28 Jan 2022 17:27

Instrument :

MSVOA_N

ClientSampleId :

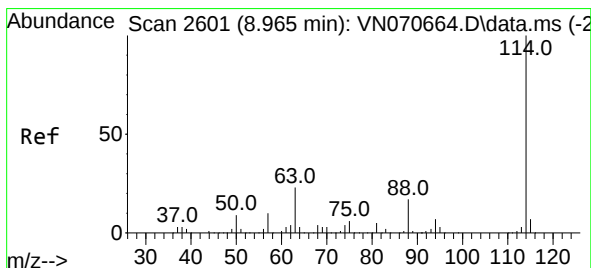
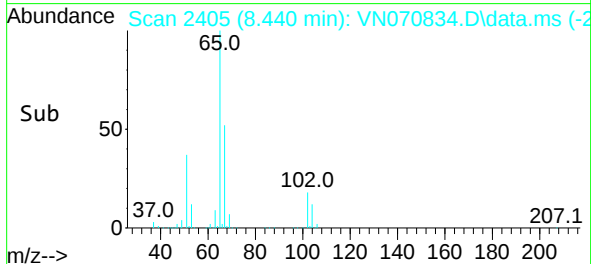
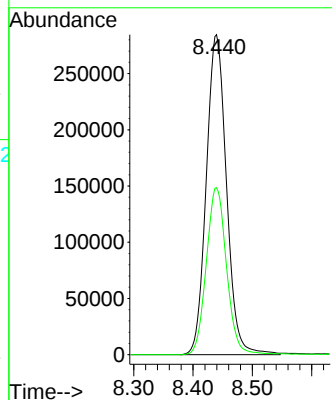
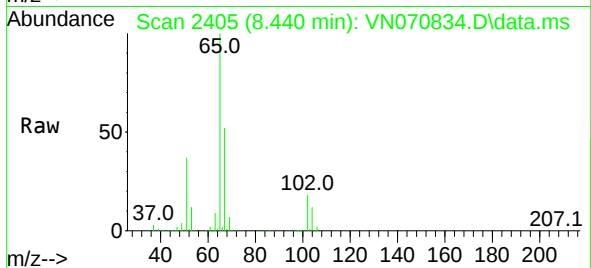
PB142316ZHE#11

Tgt Ion: 65 Resp: 672978

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.003 min

Lab File: VN070834.D

Acq: 28 Jan 2022 17:27

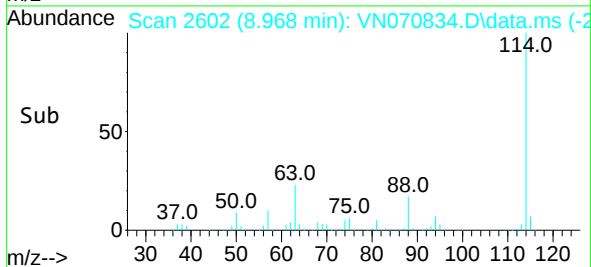
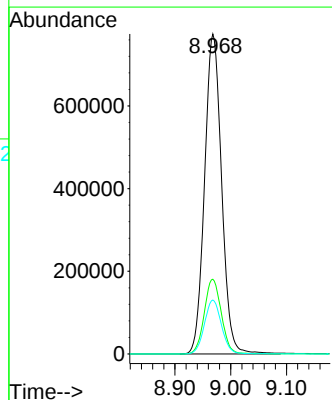
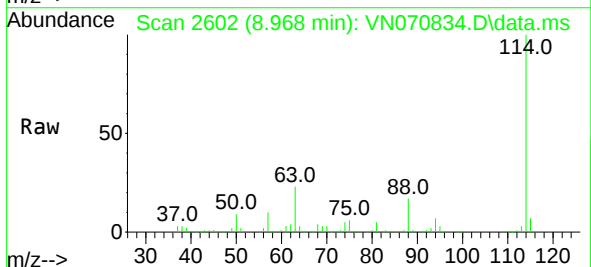
Tgt Ion: 114 Resp: 1644557

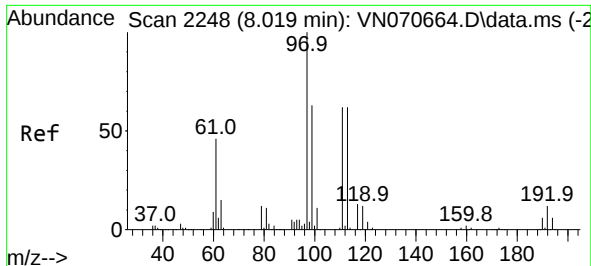
Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

88 16.9 0.0 27.4

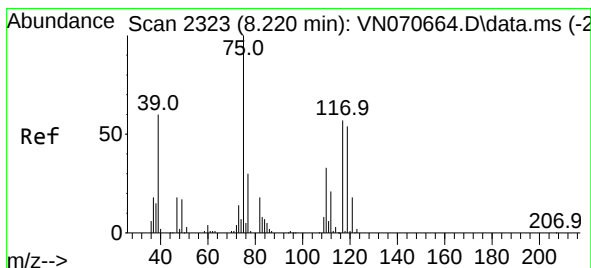
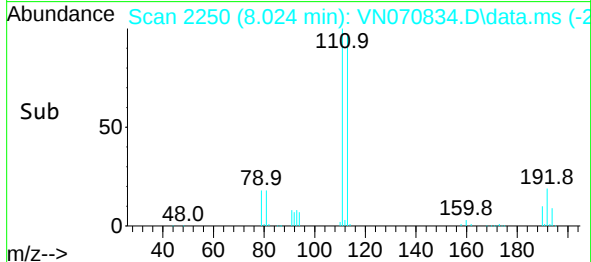
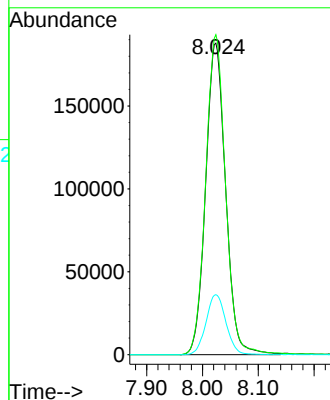
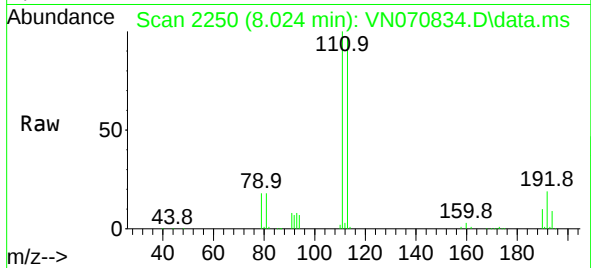




#35
Dibromofluoromethane
Concen: 45.893 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.005 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

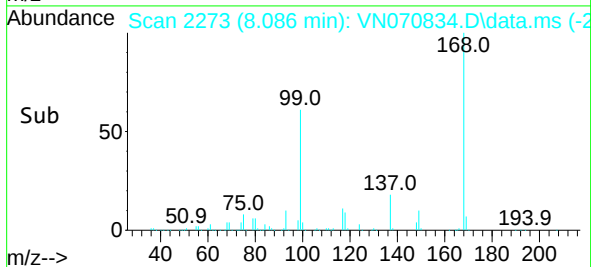
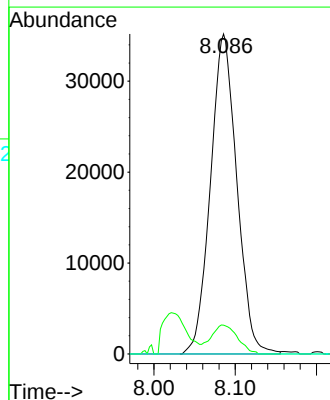
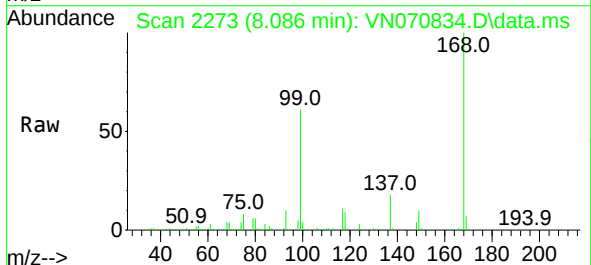
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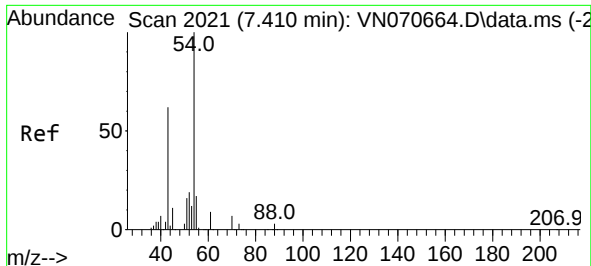
Tgt Ion:113 Resp: 468159
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.622 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

Tgt Ion: 75 Resp: 79378
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.885 ug/l

RT: 7.345 min Scan# 19

Delta R.T. -0.065 min

Lab File: VN070834.D

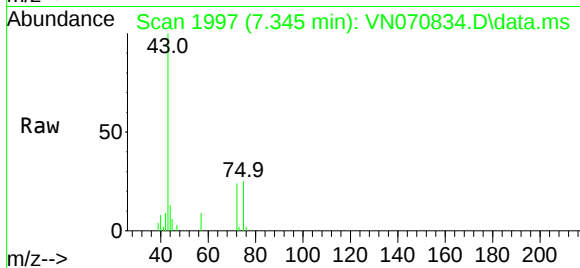
Acq: 28 Jan 2022 17:27

Instrument :

MSVOA_N

ClientSampleId :

PB142316ZHE#11



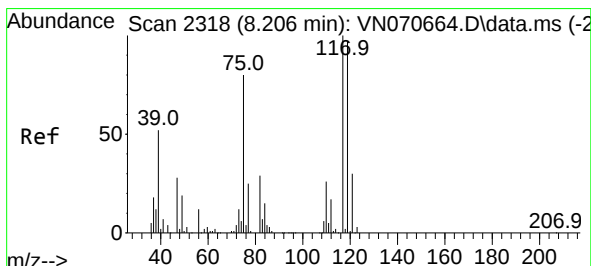
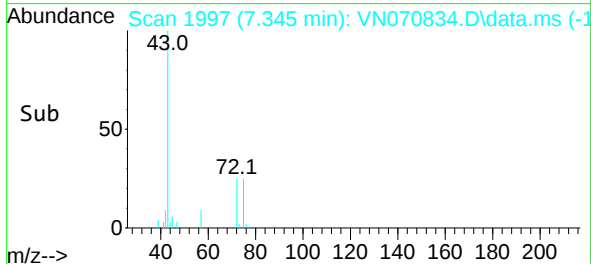
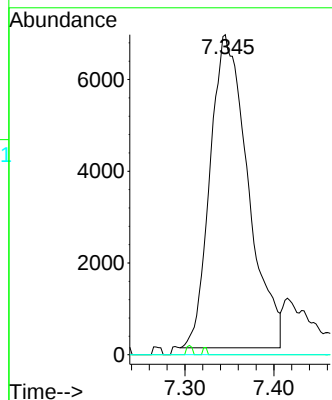
Tgt Ion: 43 Resp: 20169

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.492 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.120 min

Lab File: VN070834.D

Acq: 28 Jan 2022 17:27

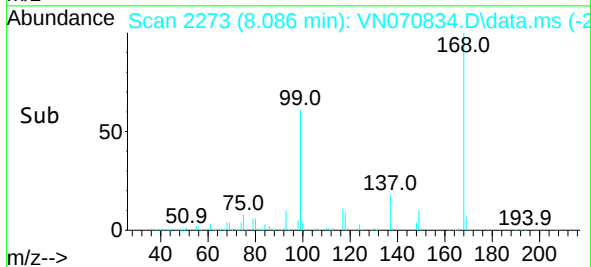
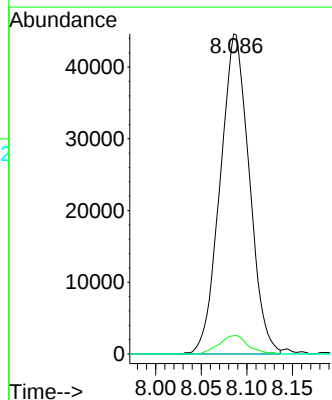
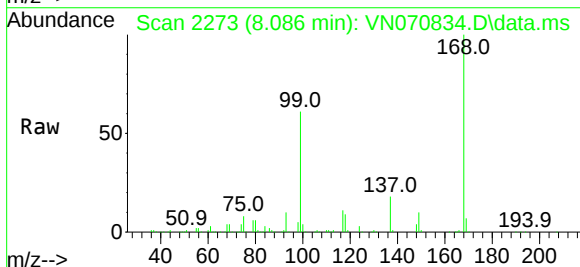
Tgt Ion: 117 Resp: 99185

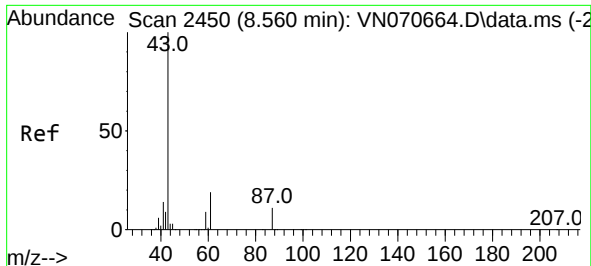
Ion Ratio Lower Upper

117 100

119 5.7 76.1 114.1#

121 0.0 24.2 36.2#

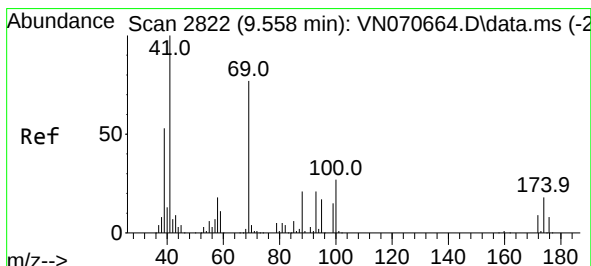
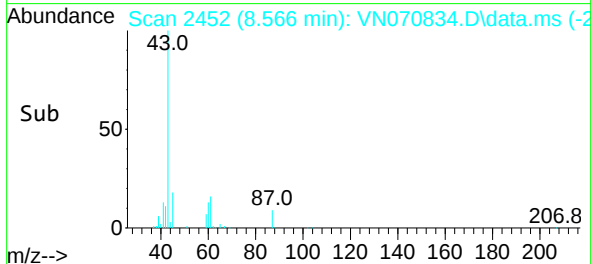
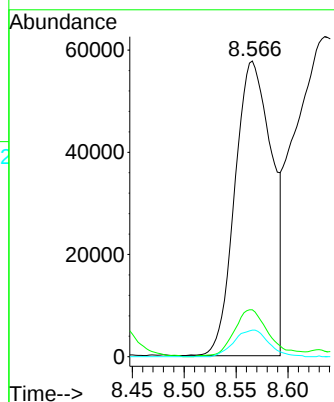
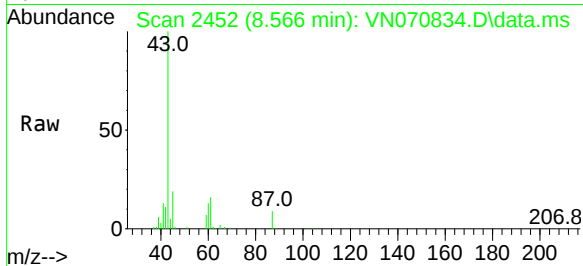




#43
Isopropyl Acetate
Concen: 4.109 ug/l
RT: 8.566 min Scan# 24
Delta R.T. 0.006 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

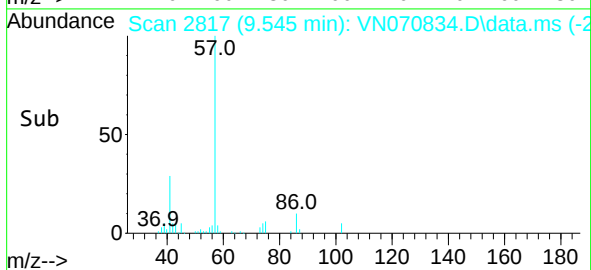
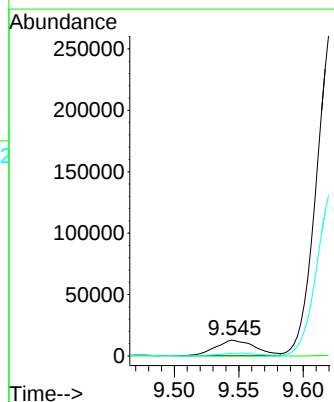
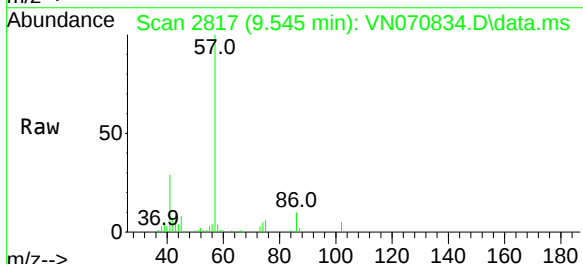
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#11

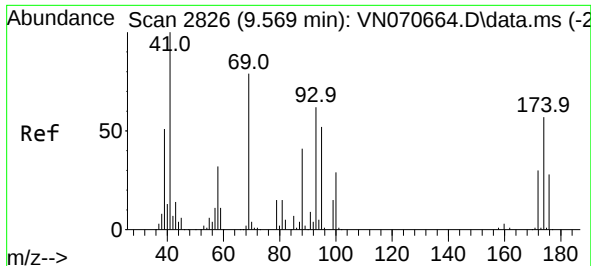
Tgt Ion: 43 Resp: 143083
Ion Ratio Lower Upper
43 100
61 15.2 20.4 30.6#
87 8.4 11.2 16.8#



#48
Methyl methacrylate
Concen: 1.603 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.013 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

Tgt Ion: 41 Resp: 26600
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#





#49

1,4-Dioxane

Concen: 3.491 ug/l

RT: 9.628 min Scan# 21

Delta R.T. 0.059 min

Lab File: VN070834.D

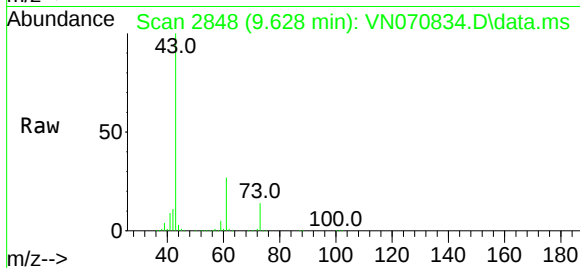
Acq: 28 Jan 2022 17:27

Instrument :

MSVOA_N

ClientSampleId :

PB142316ZHE#11



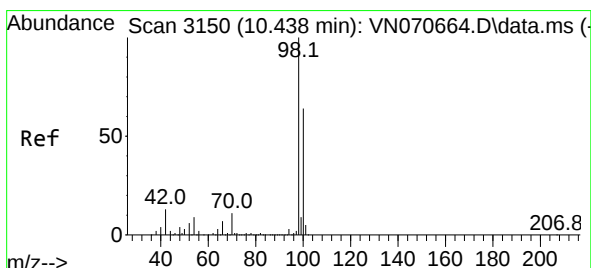
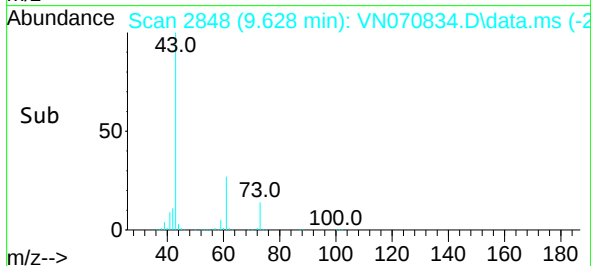
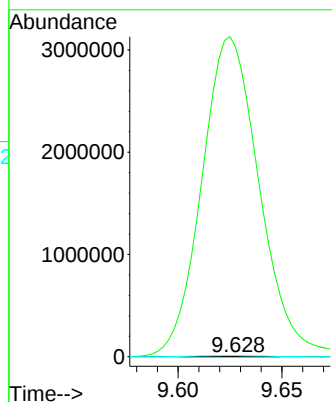
Tgt Ion: 88 Resp: 870

Ion Ratio Lower Upper

88 100

43 708352.6 23.4 35.2#

58 2504.1 50.6 75.8#



#50

Toluene-d8

Concen: 47.582 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.002 min

Lab File: VN070834.D

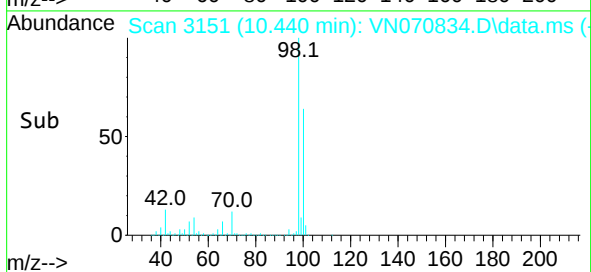
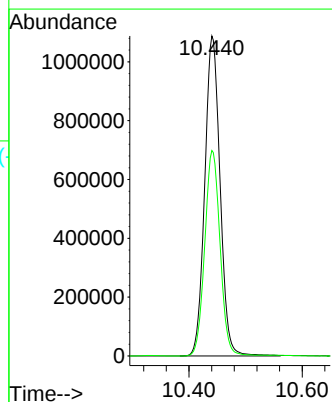
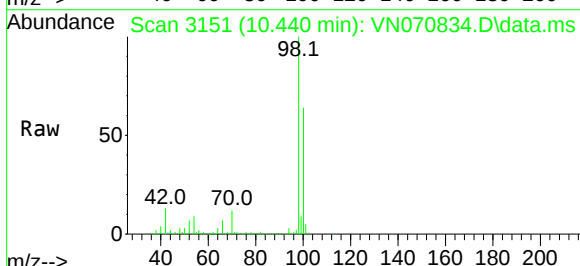
Acq: 28 Jan 2022 17:27

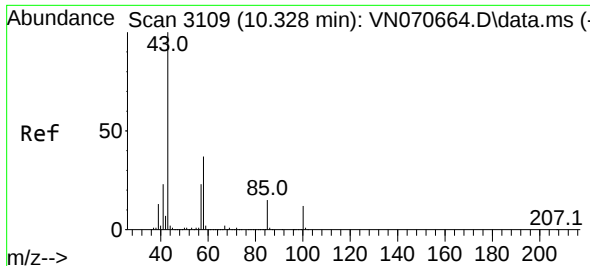
Tgt Ion: 98 Resp: 2044830

Ion Ratio Lower Upper

98 100

100 64.1 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.840 ug/l

RT: 10.333 min Scan# 3111

Delta R.T. 0.005 min

Lab File: VN070834.D

Acq: 28 Jan 2022 17:27

Instrument :

MSVOA_N

ClientSampleId :

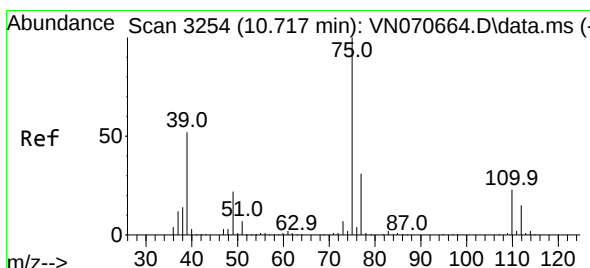
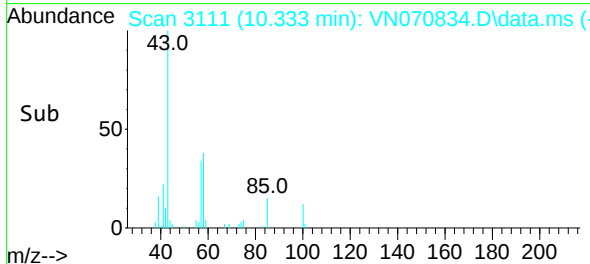
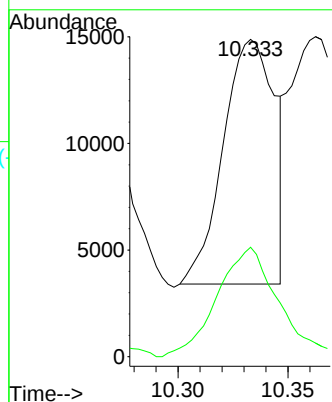
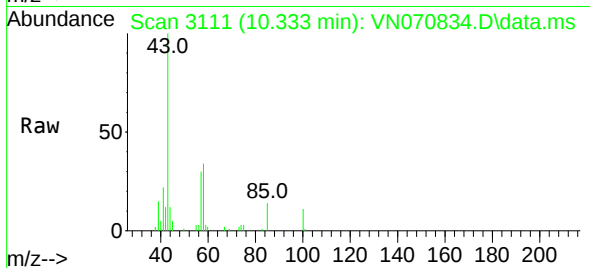
PB142316ZHE#11

Tgt Ion: 43 Resp: 18663

Ion Ratio Lower Upper

43 100

58 52.8 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 2.413 ug/l

RT: 10.719 min Scan# 3255

Delta R.T. 0.002 min

Lab File: VN070834.D

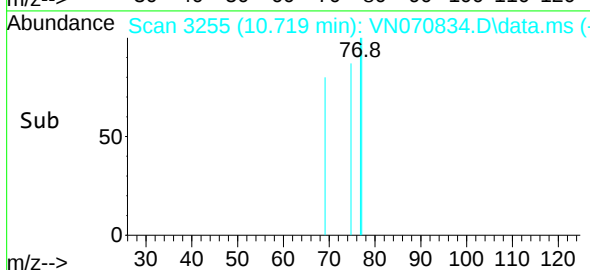
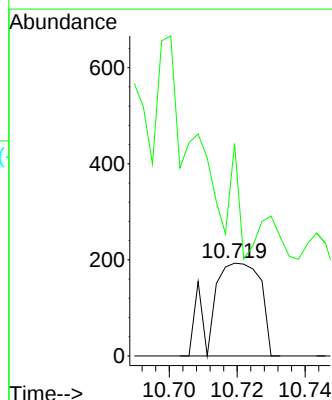
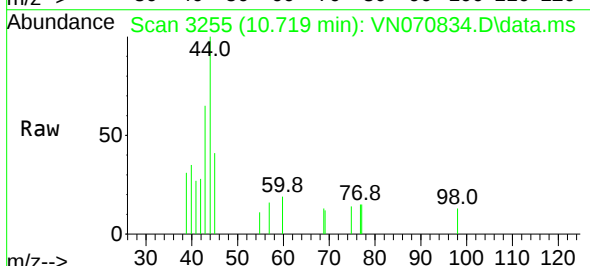
Acq: 28 Jan 2022 17:27

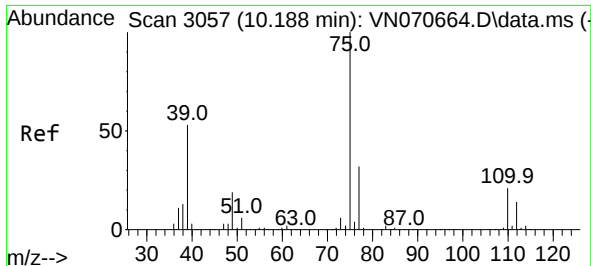
Tgt Ion: 75 Resp: 195

Ion Ratio Lower Upper

75 100

77 100.5 25.6 38.4#

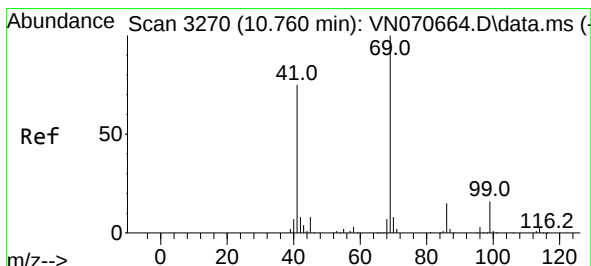
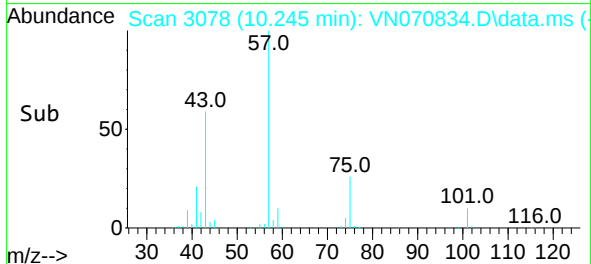
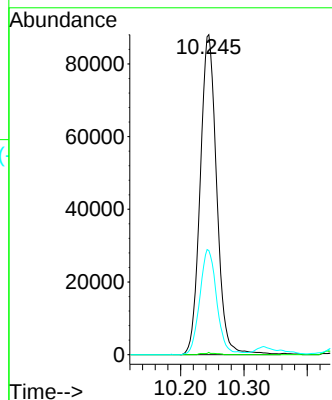
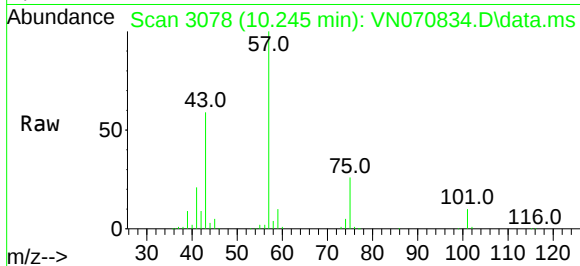




#54
cis-1,3-Dichloropropene
Concen: 7.712 ug/l
RT: 10.245 min Scan# 3057
Delta R.T. 0.057 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

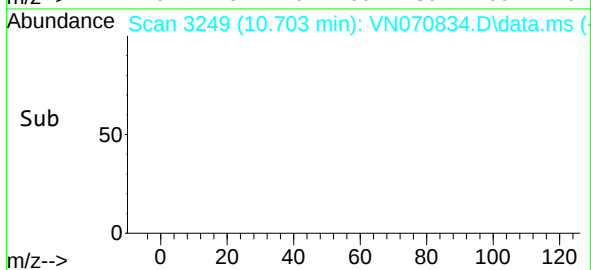
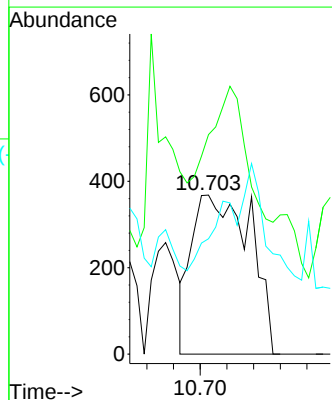
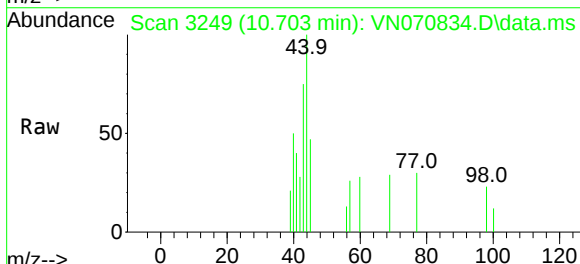
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#11

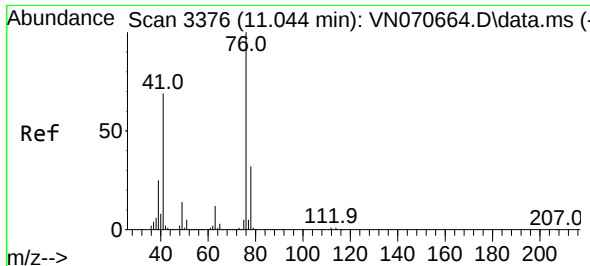
Tgt Ion: 75 Resp: 159151
Ion Ratio Lower Upper
75 100
77 0.7 26.4 39.6#
39 32.6 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.324 ug/l
RT: 10.703 min Scan# 3249
Delta R.T. -0.057 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

Tgt Ion: 69 Resp: 562
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#

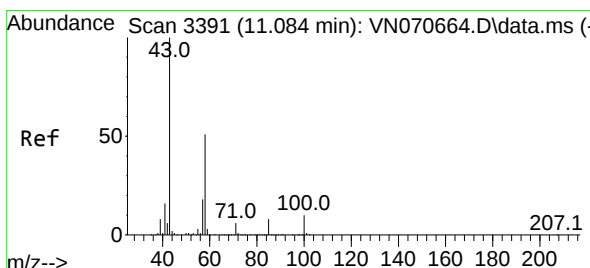
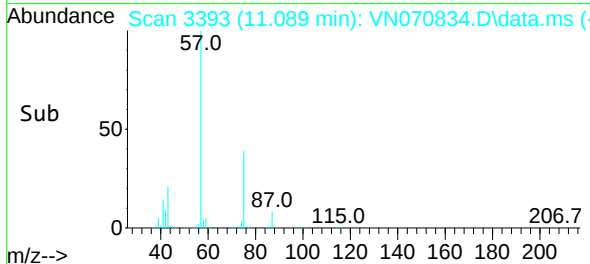
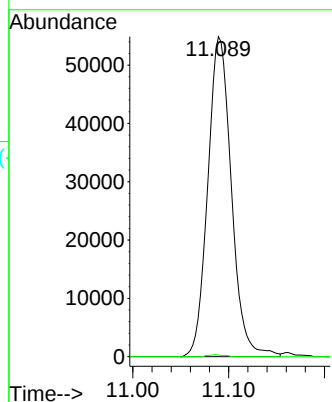
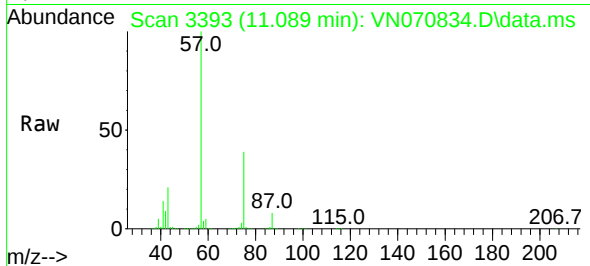




#57
1,3-Dichloropropane
Concen: 4.239 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.045 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

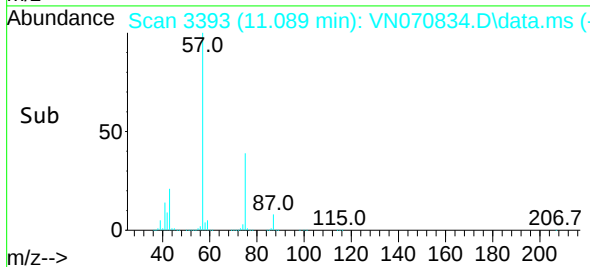
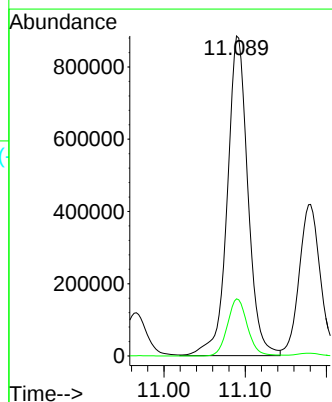
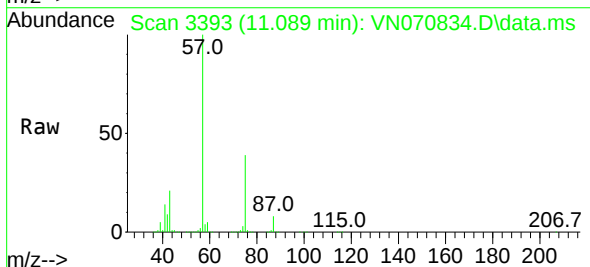
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#11

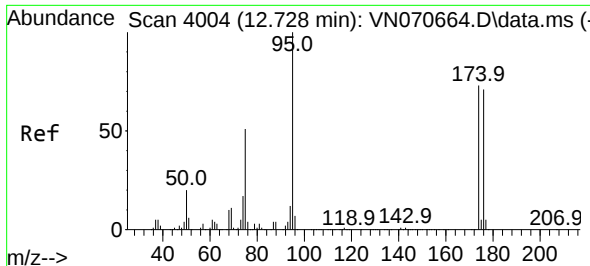
Tgt Ion: 76 Resp: 93840
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#



#59
2-Hexanone
Concen: 96.822 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

Tgt Ion: 43 Resp: 1562978
Ion Ratio Lower Upper
43 100
58 17.4 26.9 80.7#

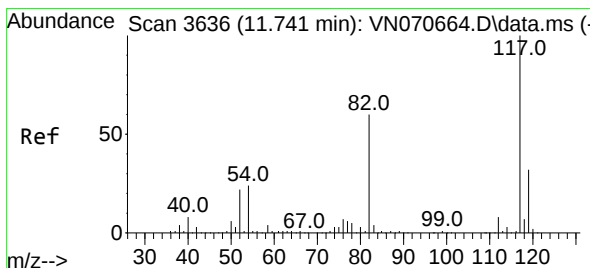
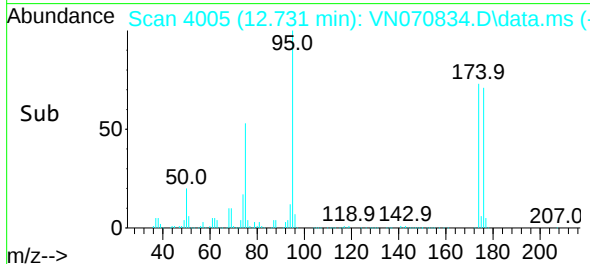
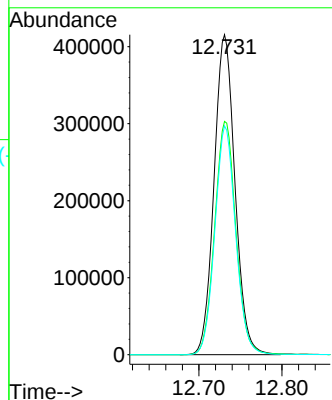
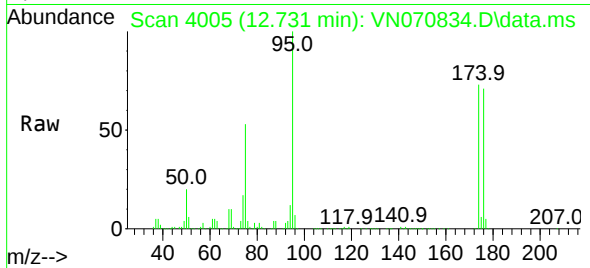




#62
4-Bromofluorobenzene
Concen: 47.503 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

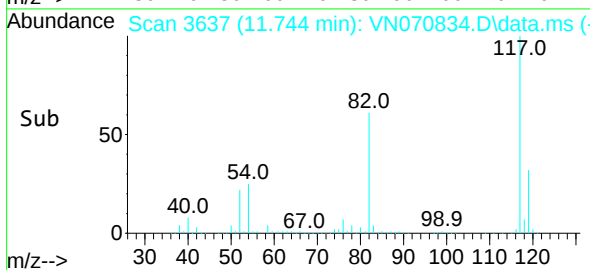
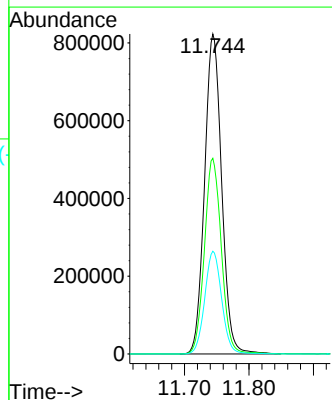
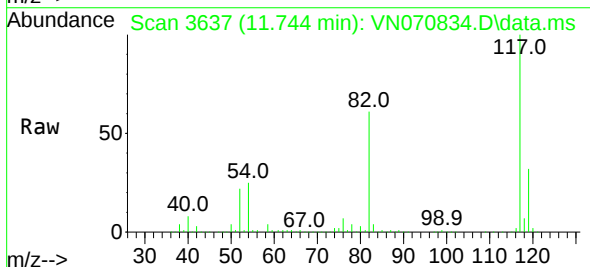
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#11

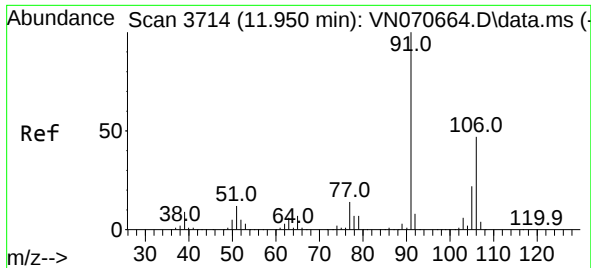
Tgt Ion: 95 Resp: 727464
Ion Ratio Lower Upper
95 100
174 74.1 0.0 187.2
176 71.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

Tgt Ion: 117 Resp: 1516515
Ion Ratio Lower Upper
117 100
82 61.1 42.4 63.6
119 32.1 25.4 38.2

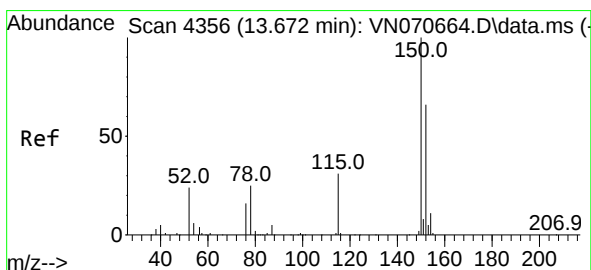
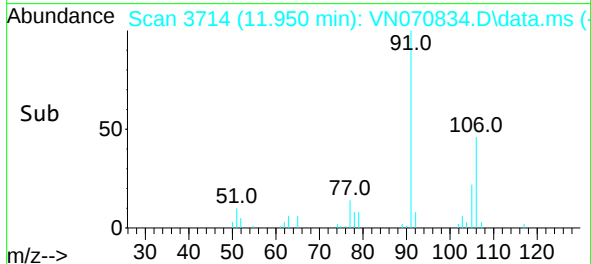
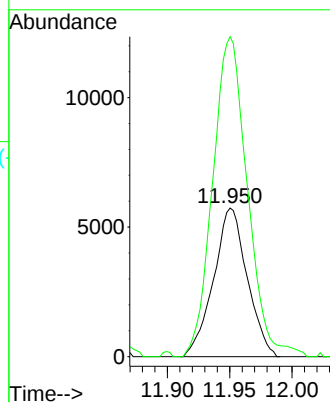
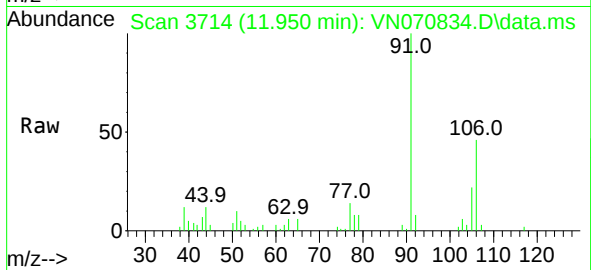




#68
m/p-Xylenes
Concen: 0.486 ug/l
RT: 11.950 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

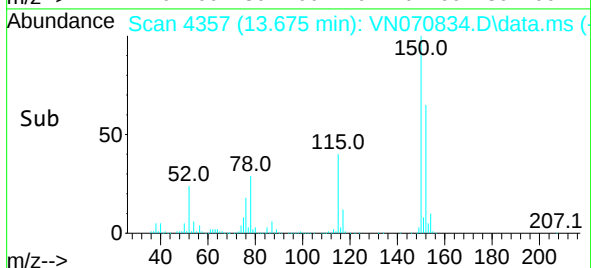
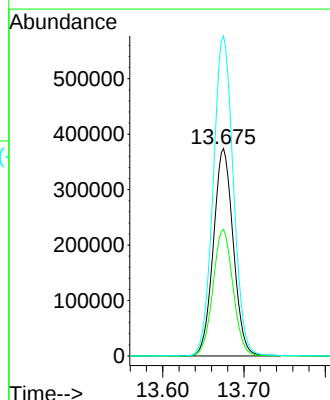
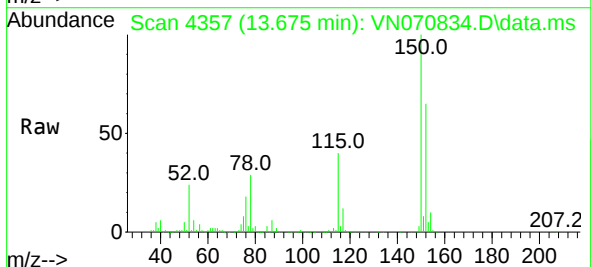
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#11

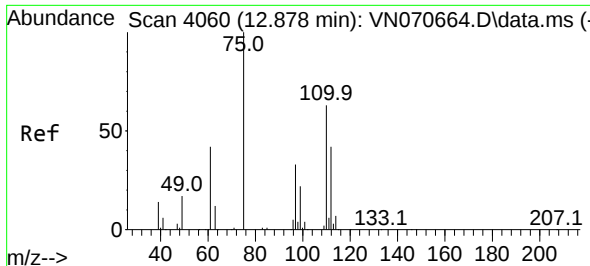
Tgt Ion:106 Resp: 10770
Ion Ratio Lower Upper
106 100
91 221.8 160.6 240.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

Tgt Ion:152 Resp: 635168
Ion Ratio Lower Upper
152 100
115 61.8 27.5 82.5
150 156.8 0.0 344.4

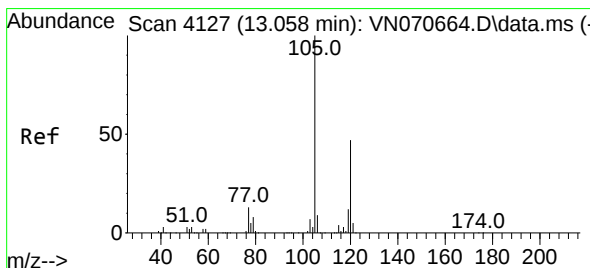
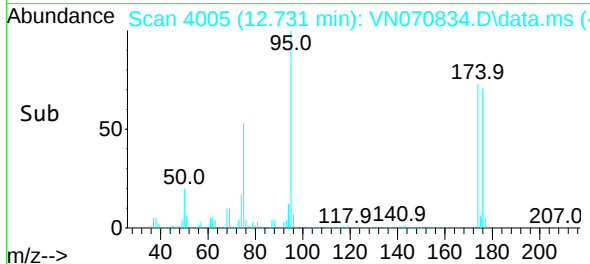
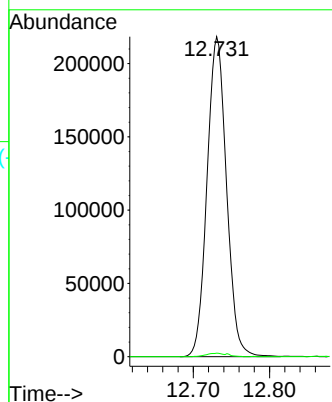
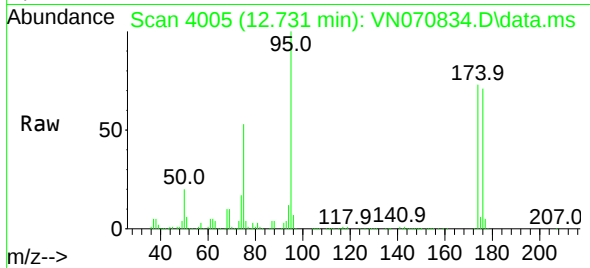




#76
 1,2,3-Trichloropropane
 Concen: 22.951 ug/l
 RT: 12.731 min Scan# 4060
 Delta R.T. -0.147 min
 Lab File: VN070834.D
 Acq: 28 Jan 2022 17:27

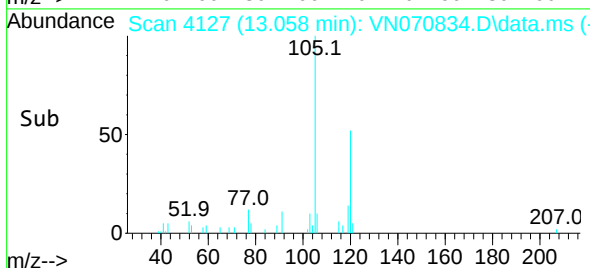
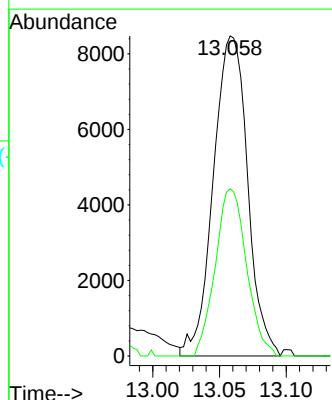
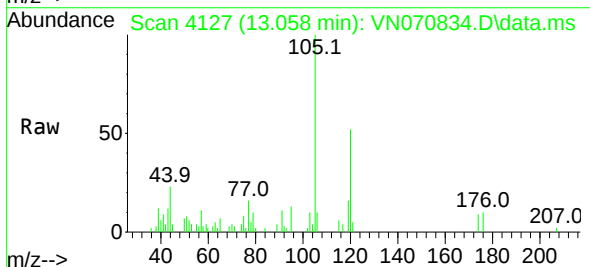
Instrument :
 MSVOA_N
 ClientSampleId :
 PB142316ZHE#11

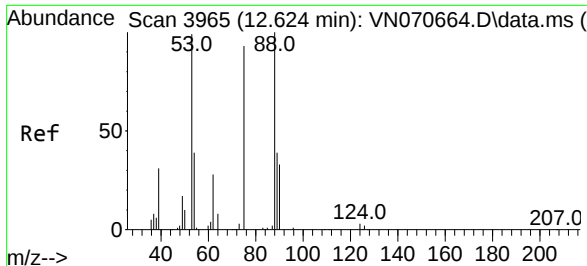
Tgt Ion: 75 Resp: 386646
 Ion Ratio Lower Upper
 75 100
 77 0.9 82.6 247.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.311 ug/l
 RT: 13.058 min Scan# 4127
 Delta R.T. -0.000 min
 Lab File: VN070834.D
 Acq: 28 Jan 2022 17:27

Tgt Ion: 105 Resp: 15104
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.6 73.6

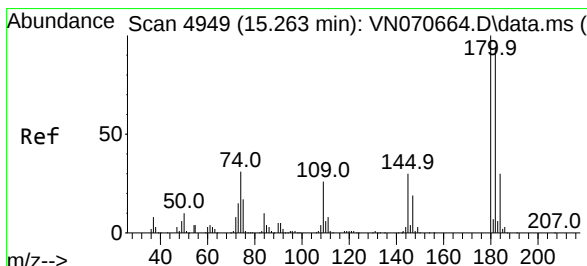
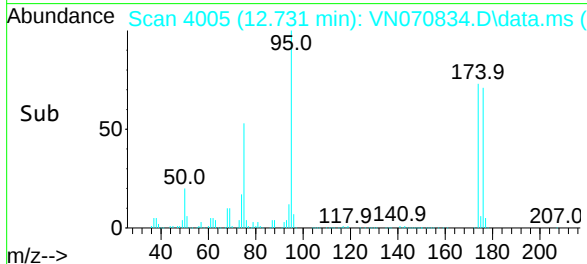
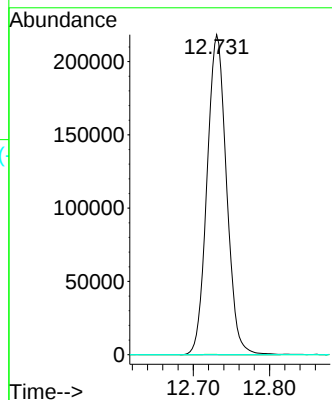
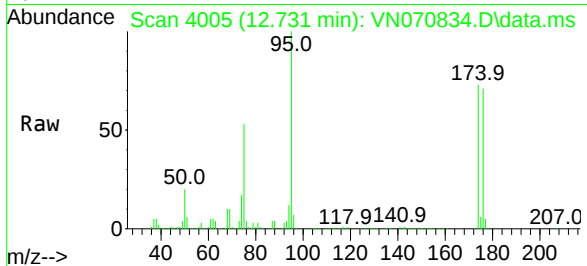




#81
trans-1,4-Dichloro-2-butene
Concen: 68.376 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

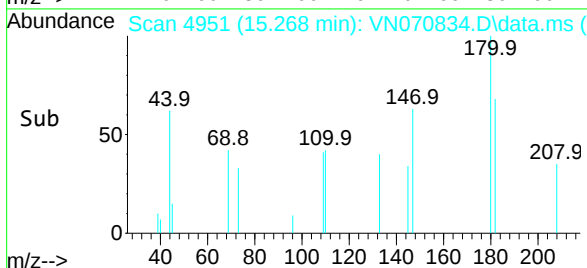
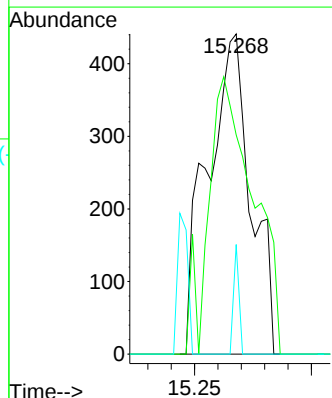
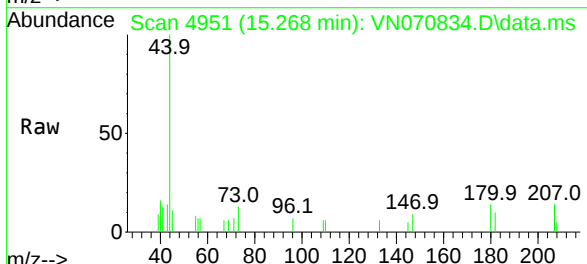
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#11

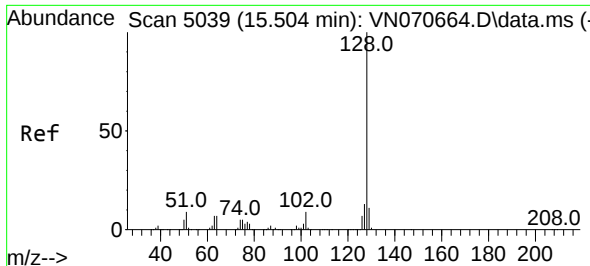
Tgt Ion: 75 Resp: 386646
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.470 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.005 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

Tgt Ion:180 Resp: 571
Ion Ratio Lower Upper
180 100
182 89.7 48.3 144.9
145 4.2 14.5 43.5#

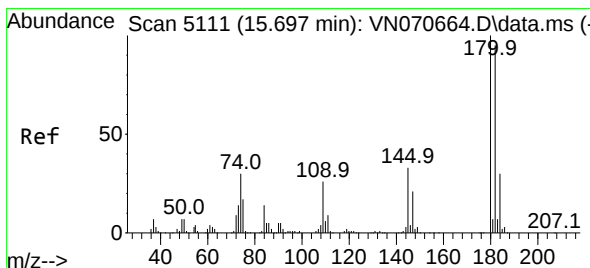
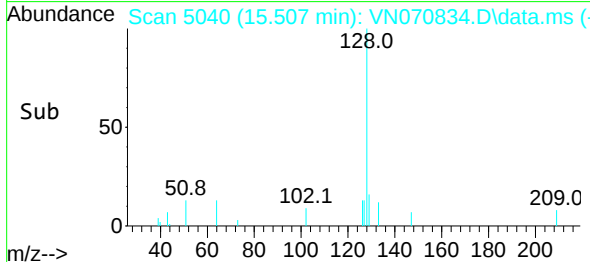
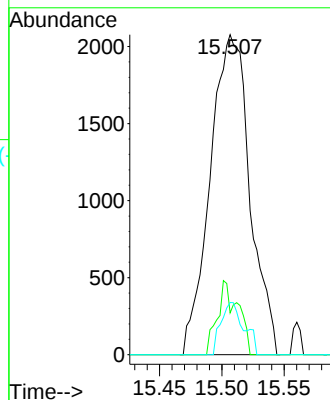
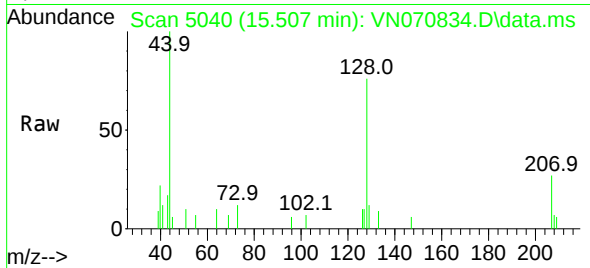




#95
Naphthalene
Concen: 5.075 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#11

Tgt Ion:128 Resp: 4609
Ion Ratio Lower Upper
128 100
127 8.3 10.5 15.7#
129 9.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.257 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.008 min
Lab File: VN070834.D
Acq: 28 Jan 2022 17:27

Tgt Ion:180 Resp: 498
Ion Ratio Lower Upper
180 100
182 97.4 47.4 142.2
145 19.5 15.0 45.1

