

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012822\
 Data File : VN070832.D
 Acq On : 28 Jan 2022 16:36
 Operator : JC/MD
 Sample : PB142316ZHE#09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142316ZHE#09

Quant Time: Jan 28 23:17:55 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)

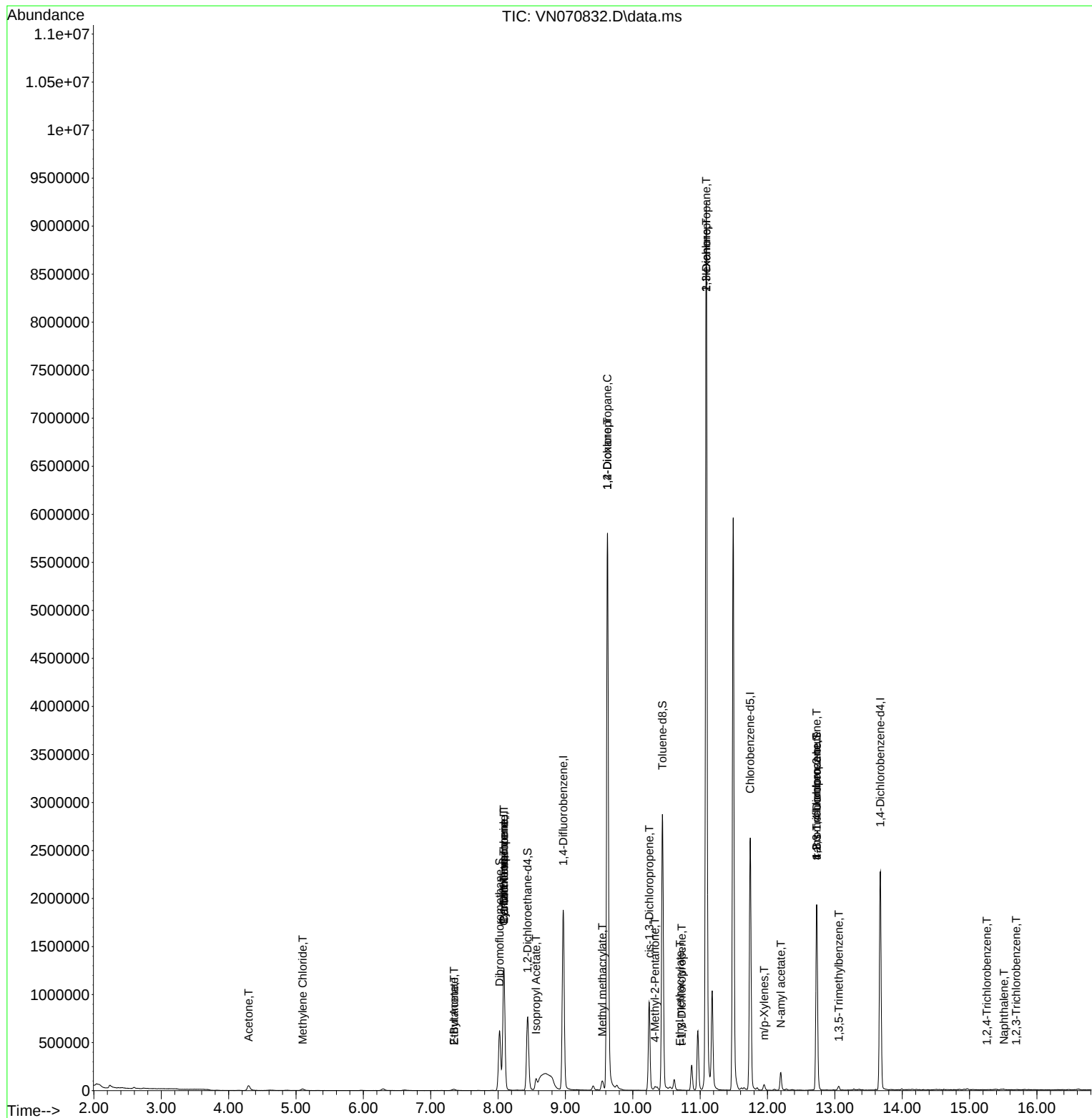
Internal Standards						
1) Pentafluorobenzene	8.086	168	975498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1630913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1513803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	626024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	668026	47.783	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.560%		
35) Dibromofluoromethane	8.021	113	463692	45.835	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.660%		
50) Toluene-d8	10.440	98	2027867	47.582	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.160%		
62) 4-Bromofluorobenzene	12.731	95	724118	47.681	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.360%		
Target Compounds						
					Qvalue	
16) Acetone	4.296	43	100586	10.366	ug/l	98
20) Methylene Chloride	5.098	84	11273	0.882	ug/l	93
25) 2-Butanone	7.348	43	22624	1.853	ug/l #	85
30) Chloroform	7.826	83	92	Below Cal	#	18
31) Cyclohexane	8.083	56	21777	0.885	ug/l #	5
36) 1,1-Dichloropropene	8.086	75	79631	4.676	ug/l #	49
37) Ethyl Acetate	7.348	43	22624	1.001	ug/l #	68
38) Carbon Tetrachloride	8.086	117	98534	6.503	ug/l #	17
43) Isopropyl Acetate	8.563	43	143859	4.166	ug/l #	82
45) 1,2-Dichloropropane	9.622	63	6802	0.474	ug/l #	44
48) Methyl methacrylate	9.547	41	28456	1.730	ug/l #	8
49) 1,4-Dioxane	9.622	88	812	3.286	ug/l #	1
51) 4-Methyl-2-Pentanone	10.331	43	21906	0.994	ug/l	92
53) t-1,3-Dichloropropene	10.727	75	120	2.409	ug/l #	80
54) cis-1,3-Dichloropropene	10.245	75	165367	8.080	ug/l #	59
56) Ethyl methacrylate	10.701	69	500	2.322	ug/l #	24
57) 1,3-Dichloropropane	11.090	76	98452	4.485	ug/l #	43
59) 2-Hexanone	11.090	43	1610732	100.615	ug/l #	49
68) m/p-Xylenes	11.950	106	17345	0.784	ug/l	87
74) N-amyl acetate	12.197	43	66605	2.751	ug/l #	53
76) 1,2,3-Trichloropropane	12.731	75	381083	22.952	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.058	105	17252	0.360	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.731	75	381083	68.377	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.255	180	698	3.481	ug/l #	88
95) Naphthalene	15.509	128	7966	5.170	ug/l	98
96) 1,2,3-Trichlorobenzene	15.692	180	209	3.234	ug/l #	1

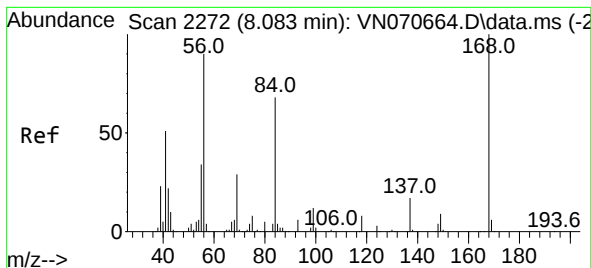
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 21

Delta R.T. 0.003 min

Lab File: VN070832.D

Acq: 28 Jan 2022 16:36

Instrument :

MSVOA_N

ClientSampleId :

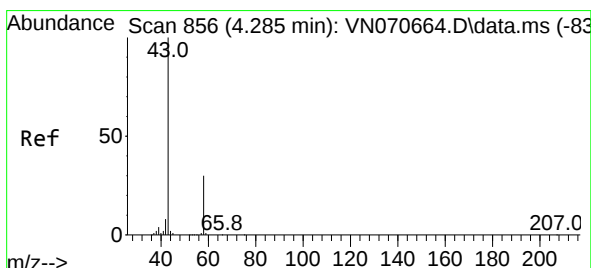
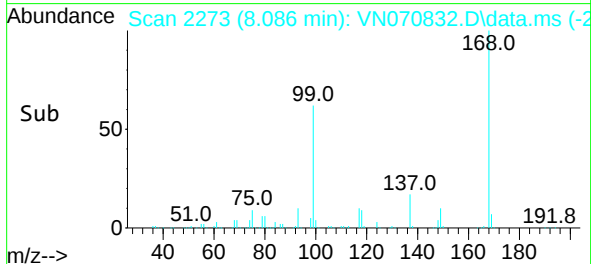
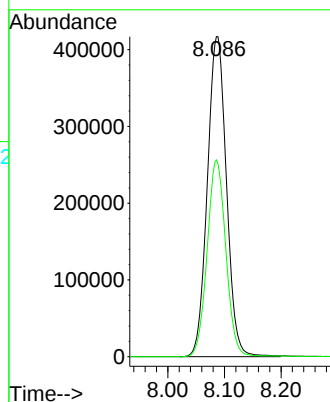
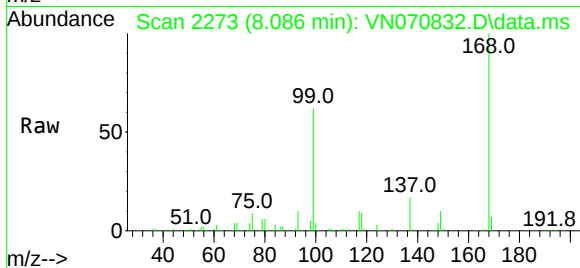
PB142316ZHE#09

Tgt Ion:168 Resp: 975498

Ion Ratio Lower Upper

168 100

99 61.5 41.3 61.9



#16

Acetone

Concen: 10.366 ug/l

RT: 4.296 min Scan# 860

Delta R.T. 0.011 min

Lab File: VN070832.D

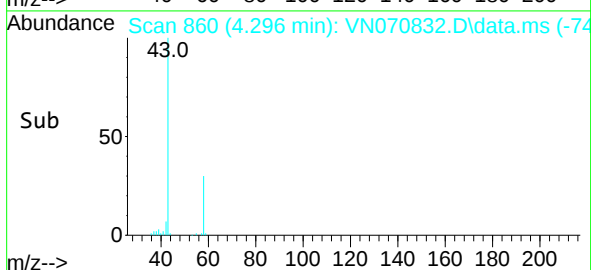
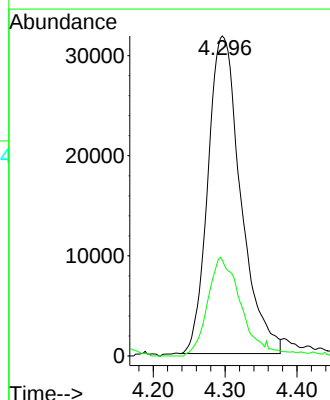
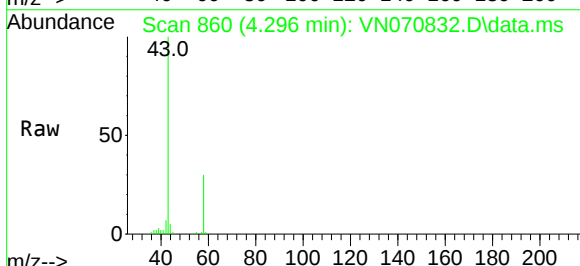
Acq: 28 Jan 2022 16:36

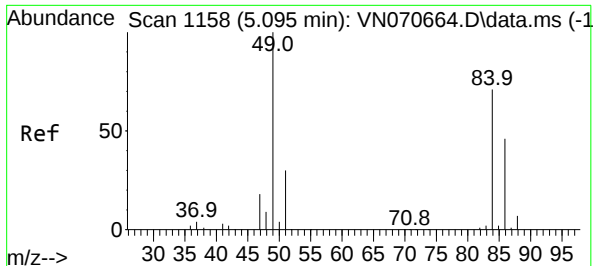
Tgt Ion: 43 Resp: 100586

Ion Ratio Lower Upper

43 100

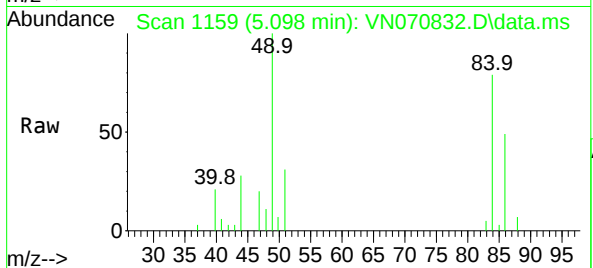
58 30.2 23.1 34.7



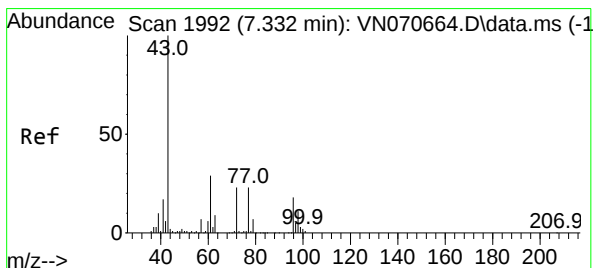
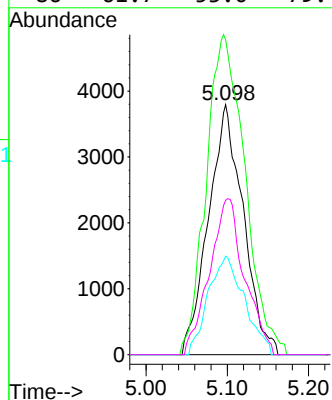


#20
Methylene Chloride
Concen: 0.882 ug/l
RT: 5.098 min Scan# 1158
Delta R.T. 0.003 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#09

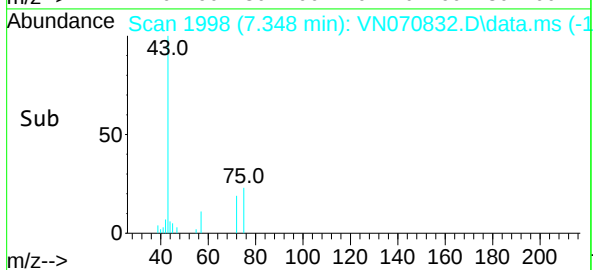
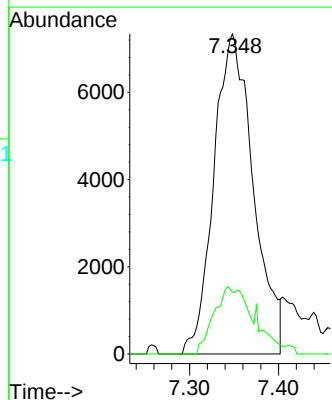
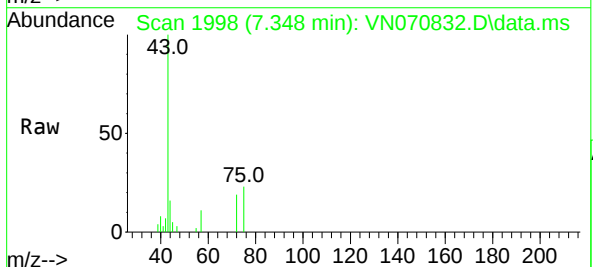


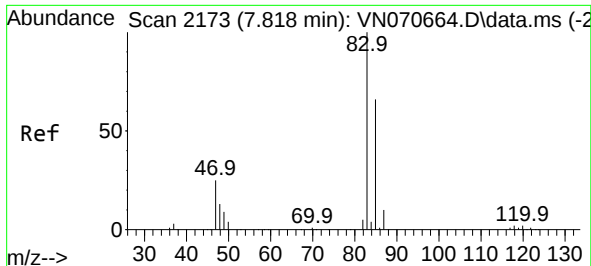
Tgt Ion: 84	Resp: 11273
Ion Ratio	Lower Upper
84 100	
49 125.9	93.5 140.3
51 39.4	29.4 44.2
86 61.7	53.0 79.4



#25
2-Butanone
Concen: 1.853 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

Tgt Ion: 43	Resp: 22624
Ion Ratio	Lower Upper
43 100	
72 19.2	21.7 32.5#





#30

Chloroform

Concen: Below Cal

RT: 7.826 min Scan# 21

Delta R.T. 0.008 min

Lab File: VN070832.D

Acq: 28 Jan 2022 16:36

Instrument :

MSVOA_N

ClientSampleId :

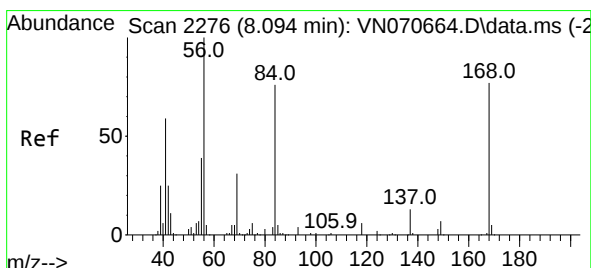
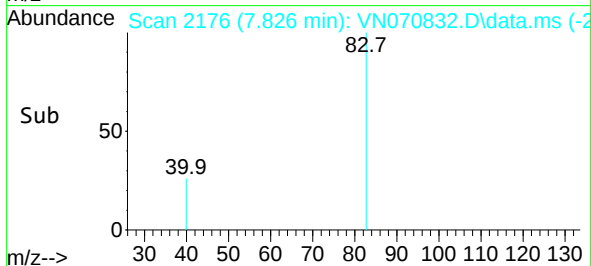
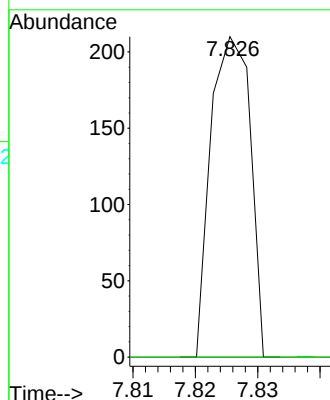
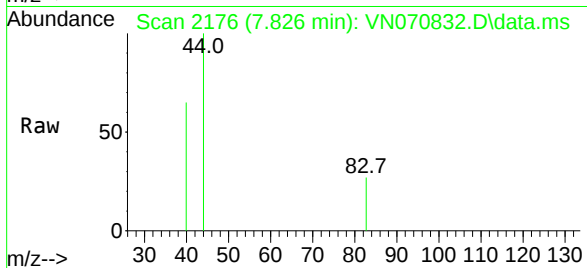
PB142316ZHE#09

Tgt Ion: 83 Resp: 92

Ion Ratio Lower Upper

83 100

85 0.0 51.9 77.9#



#31

Cyclohexane

Concen: 0.885 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN070832.D

Acq: 28 Jan 2022 16:36

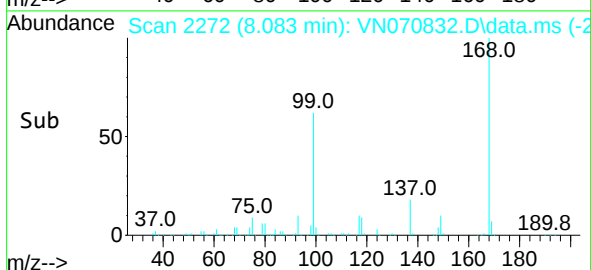
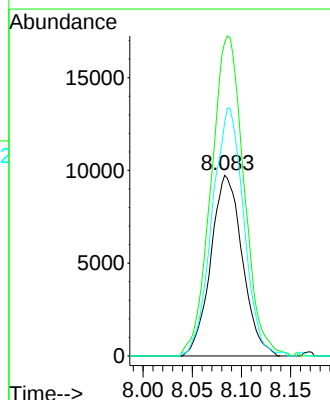
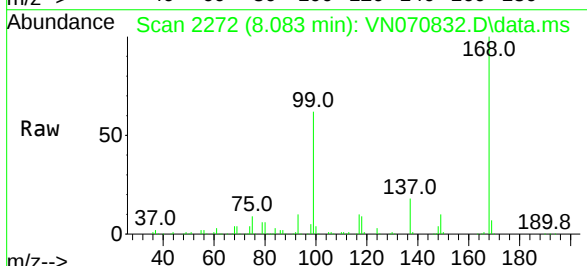
Tgt Ion: 56 Resp: 21777

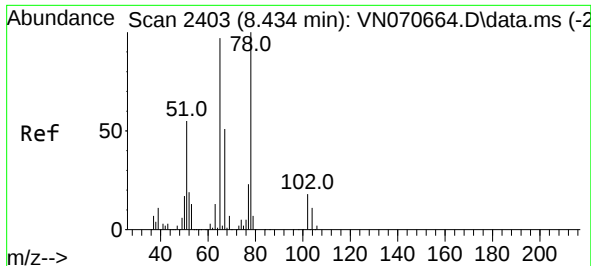
Ion Ratio Lower Upper

56 100

69 173.6 27.1 40.7#

84 129.2 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.783 ug/l

RT: 8.437 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN070832.D

Acq: 28 Jan 2022 16:36

Instrument :

MSVOA_N

ClientSampleId :

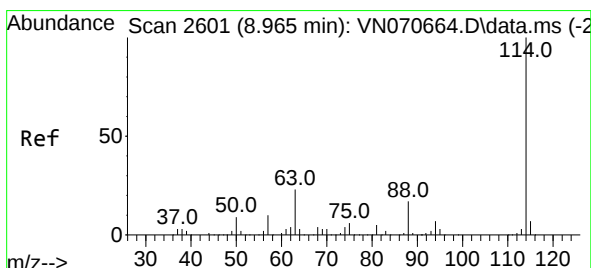
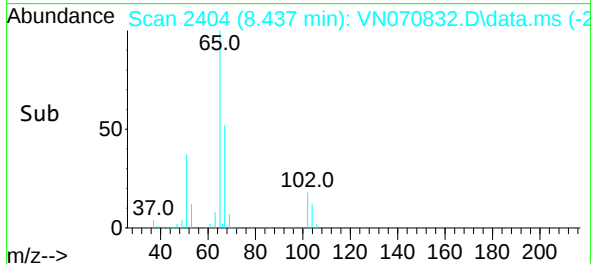
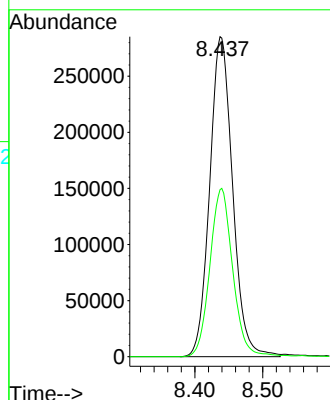
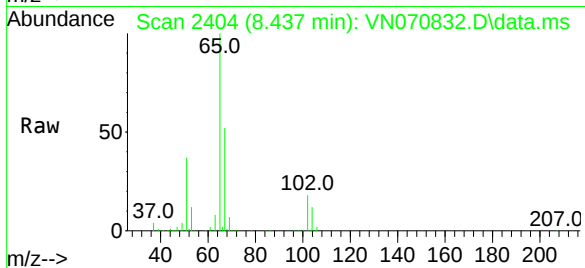
PB142316ZHE#09

Tgt Ion: 65 Resp: 668026

Ion Ratio Lower Upper

65 100

67 52.5 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: VN070832.D

Acq: 28 Jan 2022 16:36

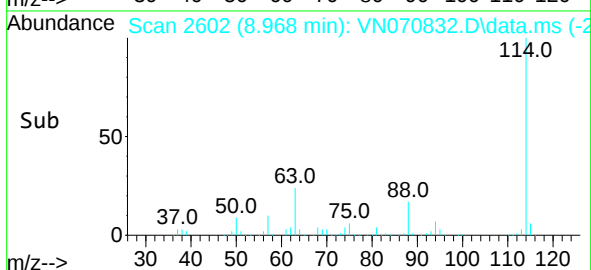
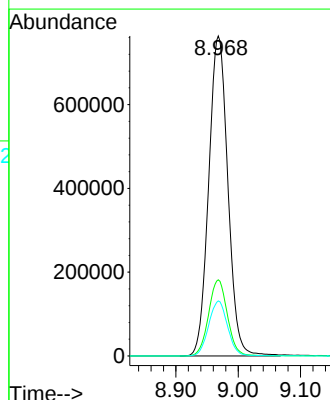
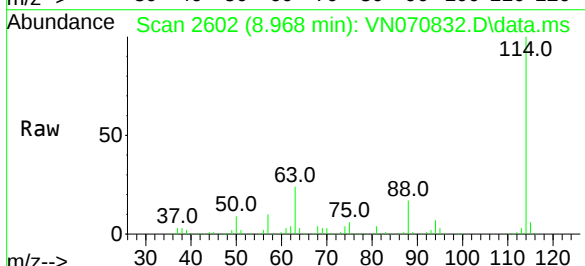
Tgt Ion: 114 Resp: 1630913

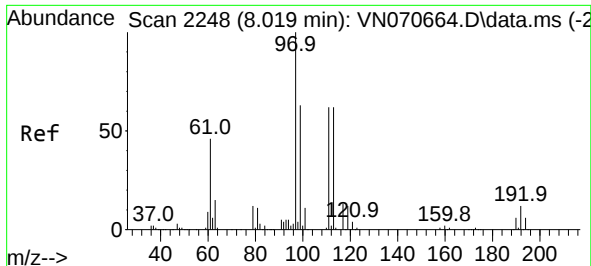
Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

88 17.2 0.0 27.4

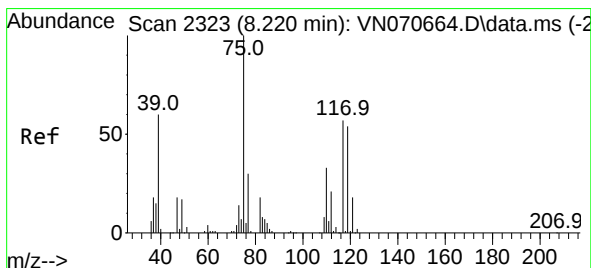
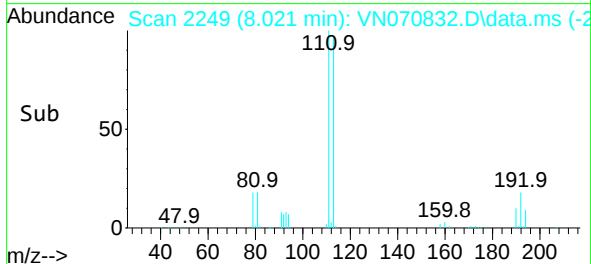
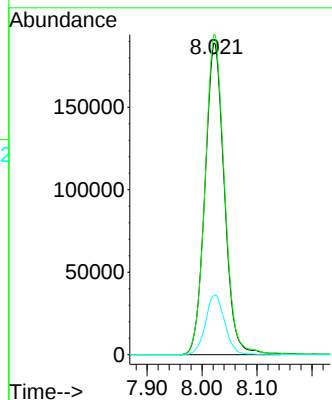
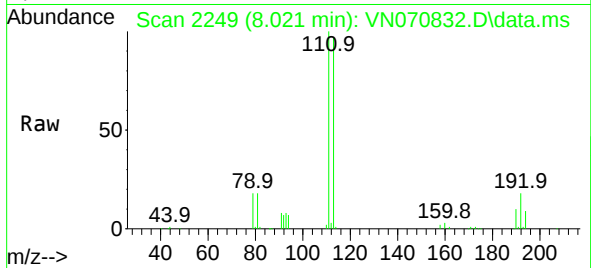




#35
Dibromofluoromethane
Concen: 45.835 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.002 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

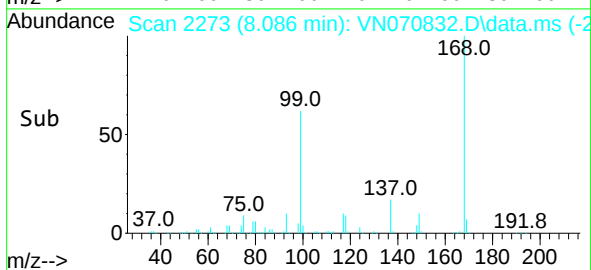
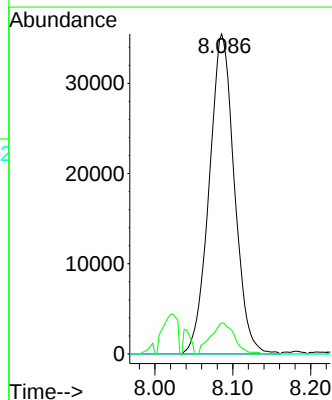
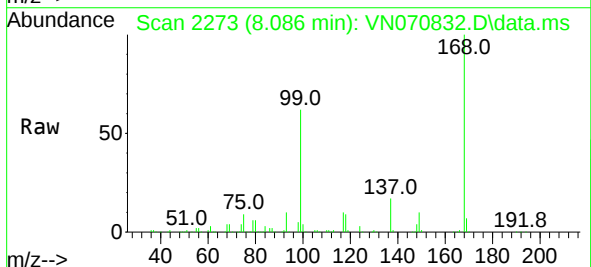
Instrument :
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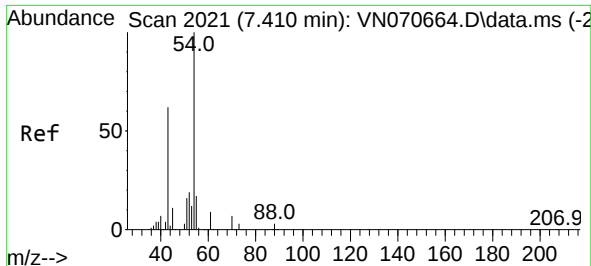
Tgt Ion:113 Resp: 463692
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 19.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.676 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

Tgt Ion: 75 Resp: 79631
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.001 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. -0.062 min

Lab File: VN070832.D

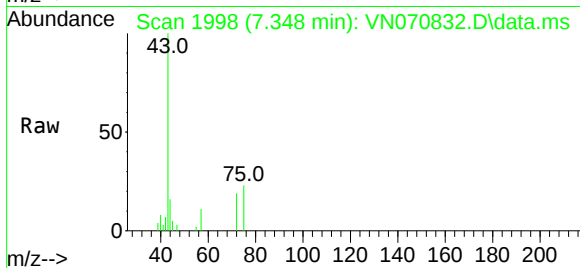
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Instrument :

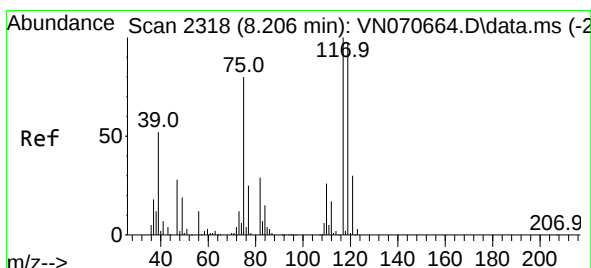
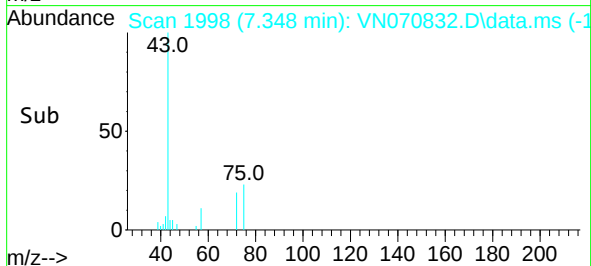
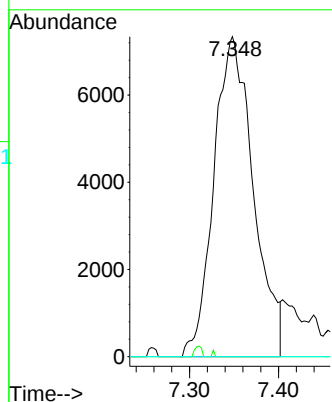
MSVOA_N

ClientSampleId :

PB142316ZHE#09



Tgt Ion:	43	Resp:	22624
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 6.503 ug/l

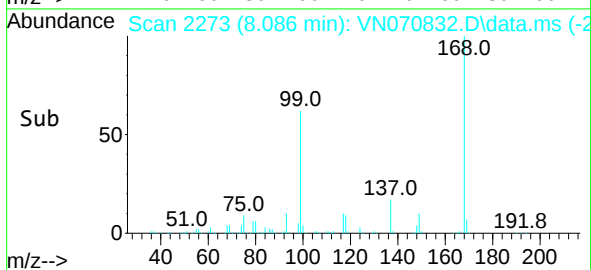
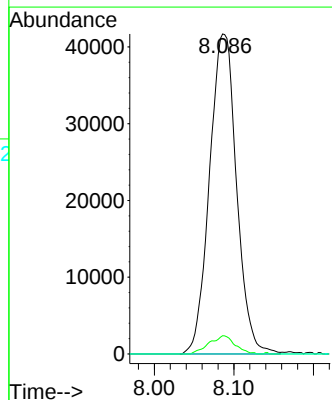
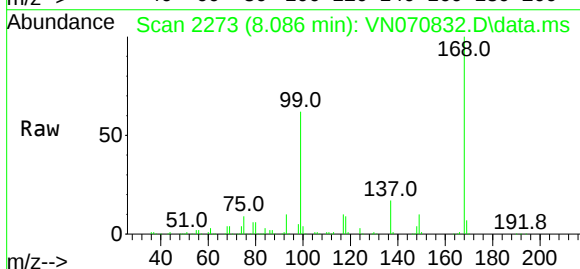
RT: 8.086 min Scan# 2273

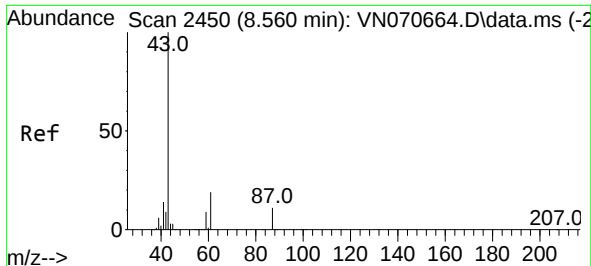
Delta R.T. -0.120 min

Lab File: VN070832.D

Acq: 28 Jan 2022 16:36

Tgt Ion:	117	Resp:	98534
Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.1	114.1#
121	0.0	24.2	36.2#





#43

Isopropyl Acetate

Concen: 4.166 ug/l

RT: 8.563 min Scan# 2451

Delta R.T. 0.003 min

Lab File: VN070832.D

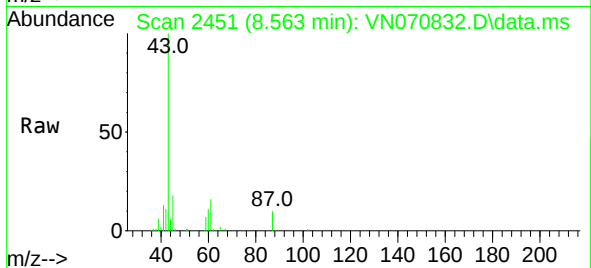
Acq: 28 Jan 2022 16:36

Instrument :

MSVOA_N

ClientSampleId :

PB142316ZHE#09



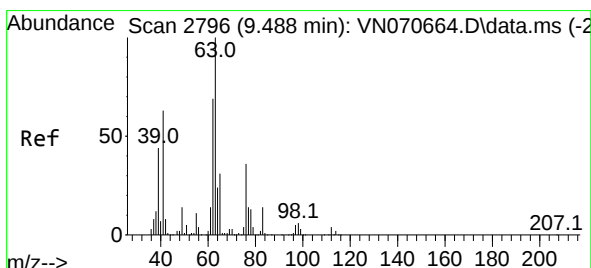
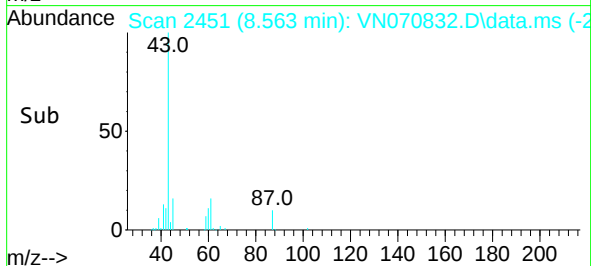
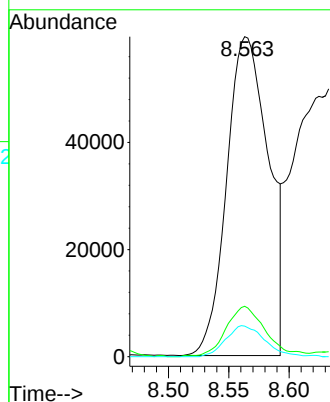
Tgt Ion: 43 Resp: 143859

Ion Ratio Lower Upper

43 100

61 15.0 20.4 30.6#

87 9.0 11.2 16.8#



#45

1,2-Dichloropropane

Concen: 0.474 ug/l

RT: 9.622 min Scan# 2846

Delta R.T. 0.134 min

Lab File: VN070832.D

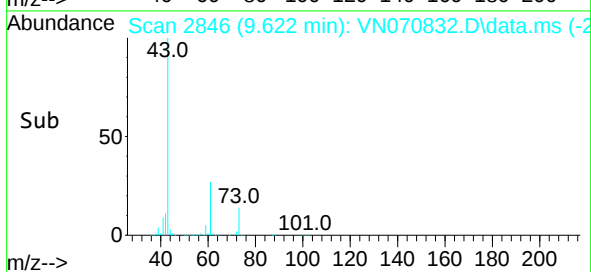
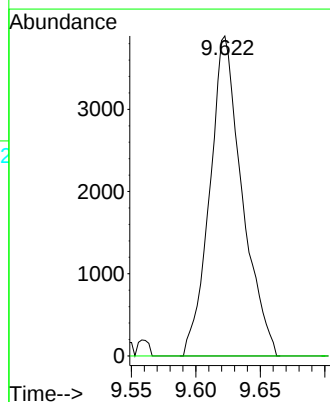
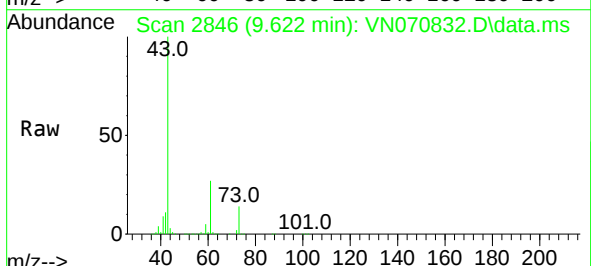
Acq: 28 Jan 2022 16:36

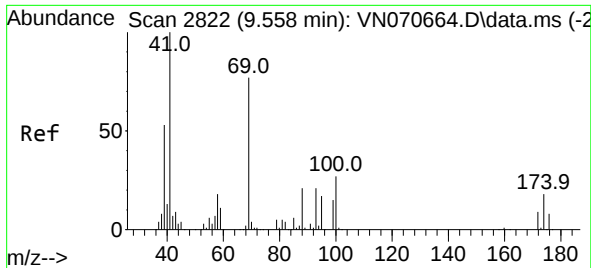
Tgt Ion: 63 Resp: 6802

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#

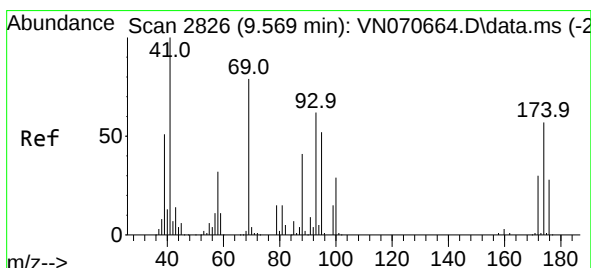
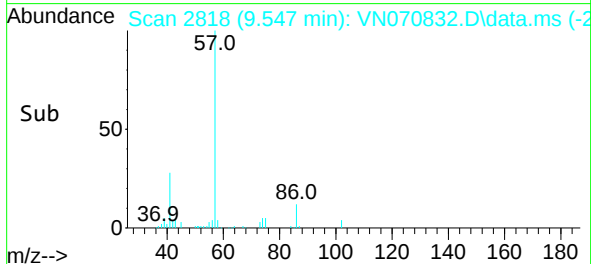
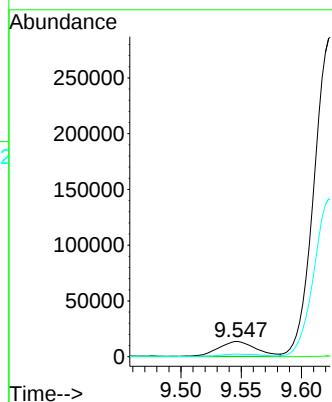
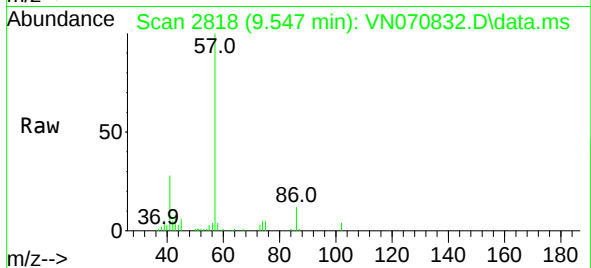




#48
Methyl methacrylate
Concen: 1.730 ug/l
RT: 9.547 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

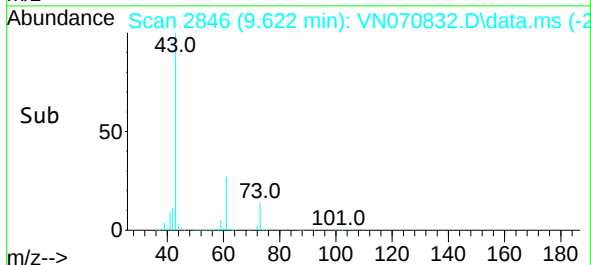
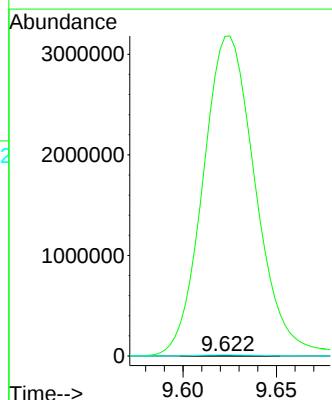
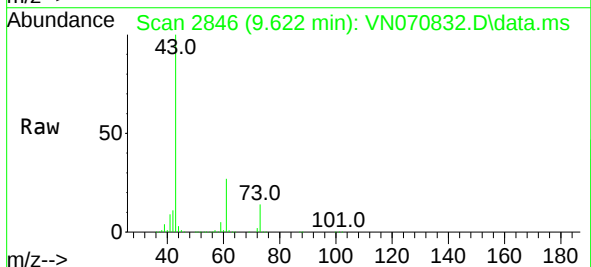
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#09

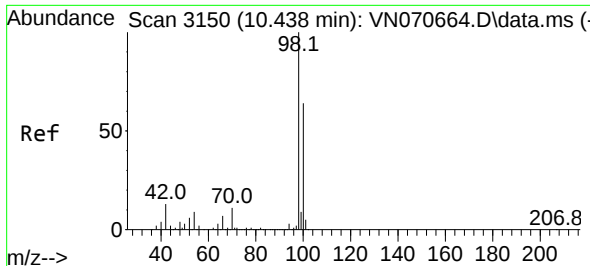
Tgt Ion: 41 Resp: 28456
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 3.286 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

Tgt Ion: 88 Resp: 812
Ion Ratio Lower Upper
88 100
43 779103.4 23.4 35.2#
58 2732.5 50.6 75.8#

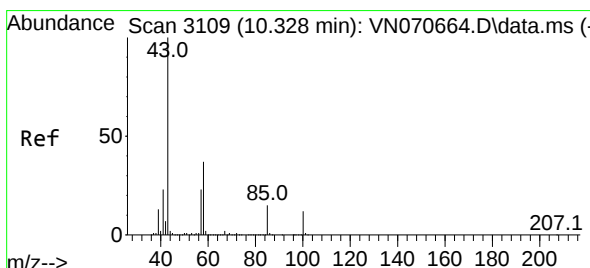
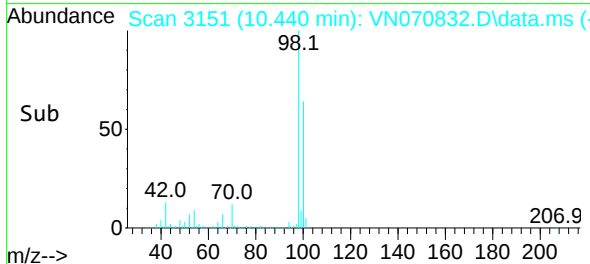
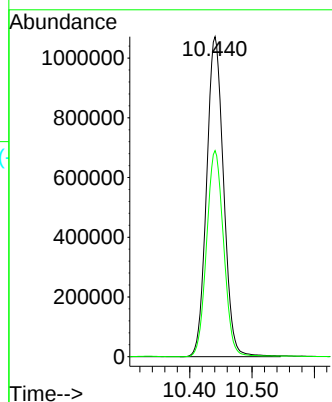
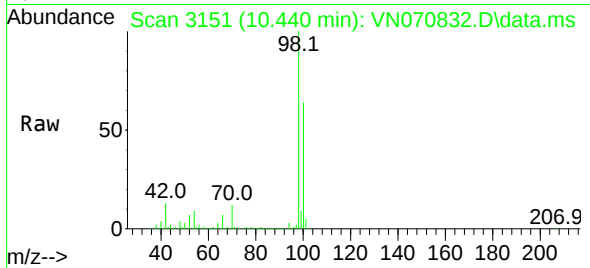




#50
Toluene-d8
Concen: 47.582 ug/l
RT: 10.440 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

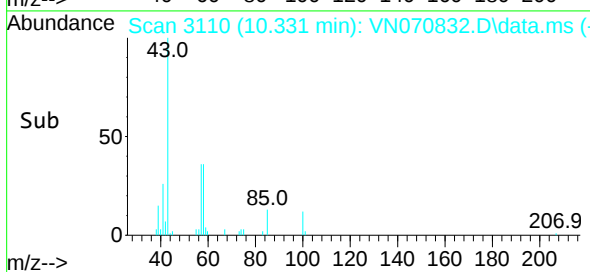
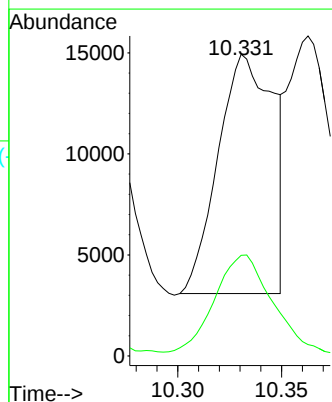
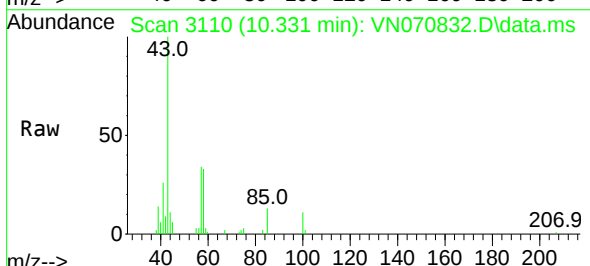
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#09

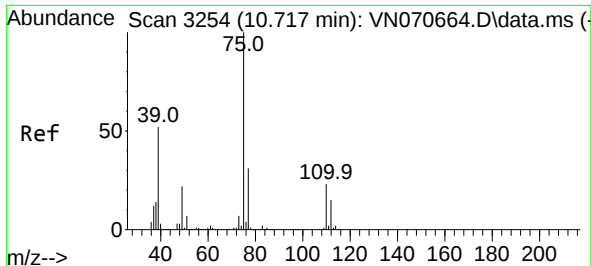
Tgt Ion: 98 Resp: 2027867
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.994 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.003 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

Tgt Ion: 43 Resp: 21906
Ion Ratio Lower Upper
43 100
58 43.0 30.4 45.6

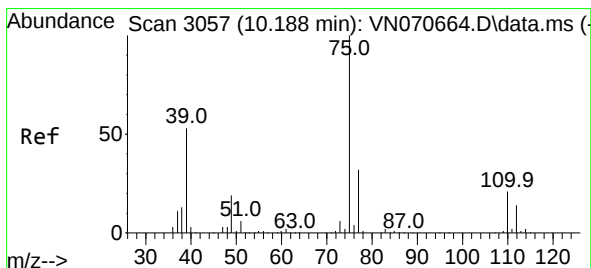
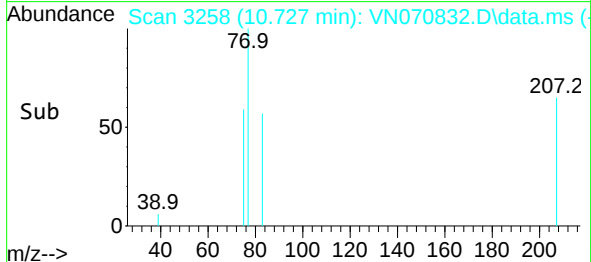
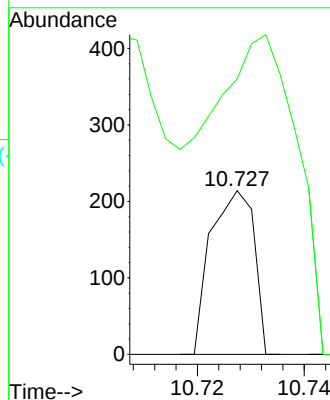
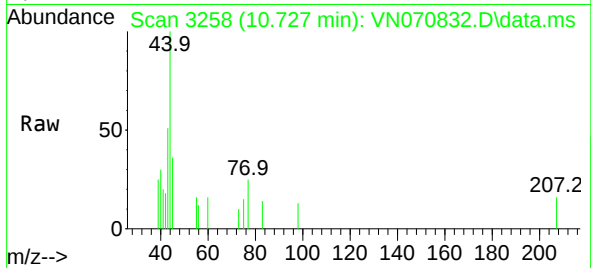




#53
t-1,3-Dichloropropene
Concen: 2.409 ug/l
RT: 10.727 min Scan# 31
Delta R.T. 0.010 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

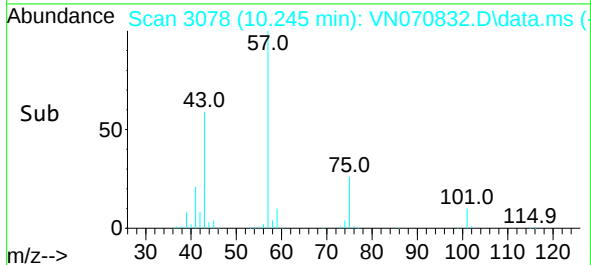
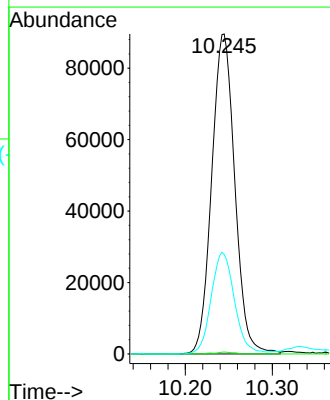
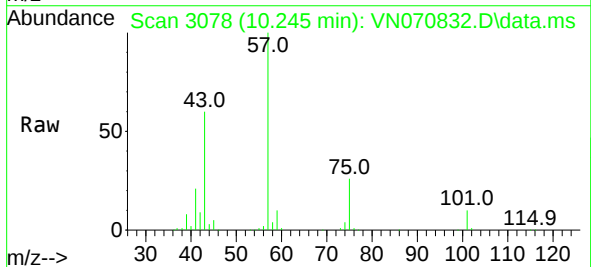
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#09

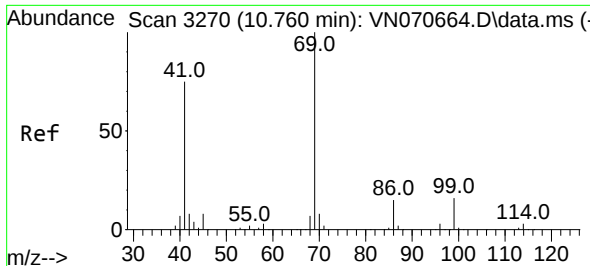
Tgt Ion: 75 Resp: 120
Ion Ratio Lower Upper
75 100
77 43.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 8.080 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.057 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

Tgt Ion: 75 Resp: 165367
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 31.1 42.5 63.7#

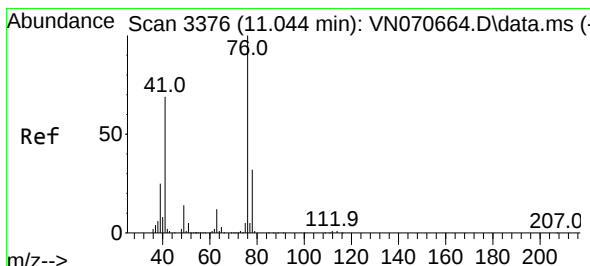
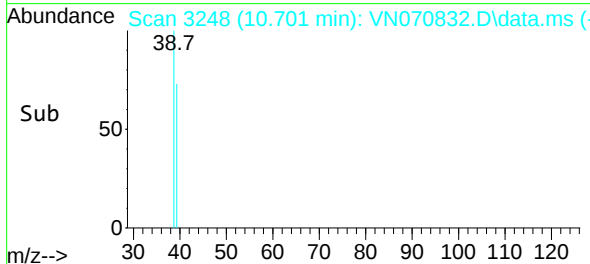
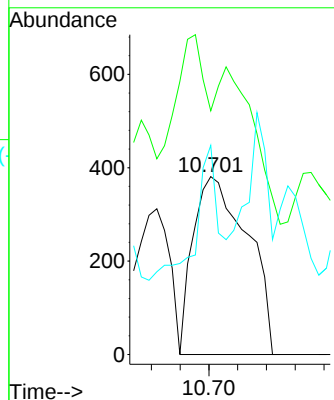
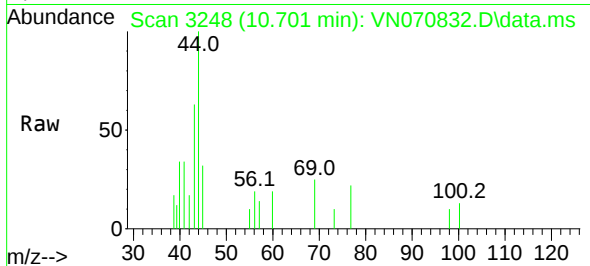




#56
Ethyl methacrylate
Concen: 2.322 ug/l
RT: 10.701 min Scan# 31
Delta R.T. -0.059 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

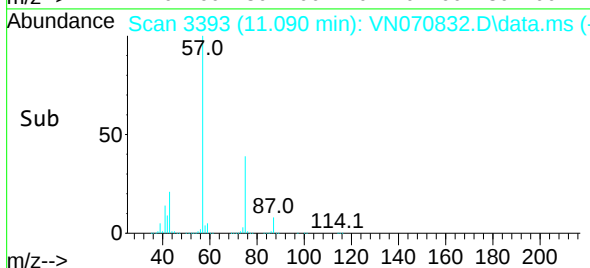
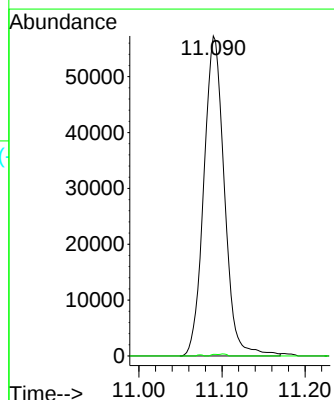
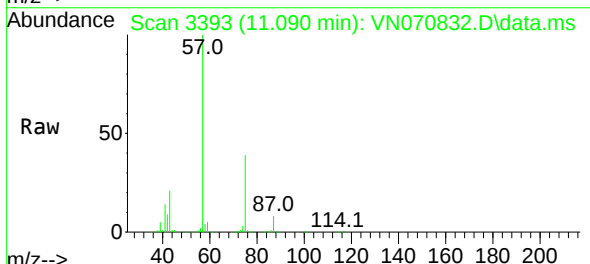
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#09

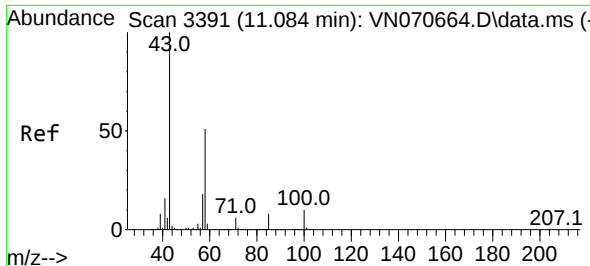
Tgt Ion: 69 Resp: 500
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 4.485 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.046 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

Tgt Ion: 76 Resp: 98452
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

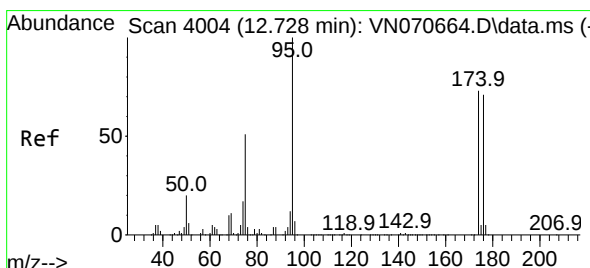
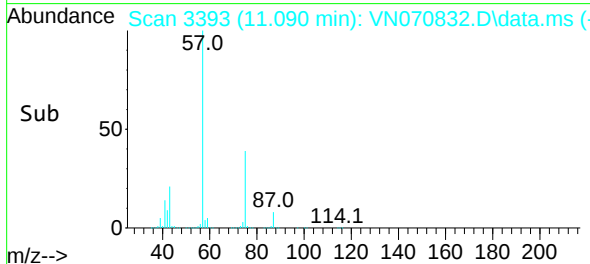
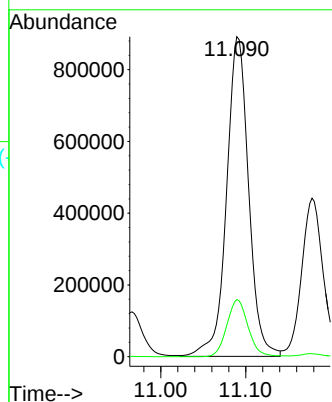
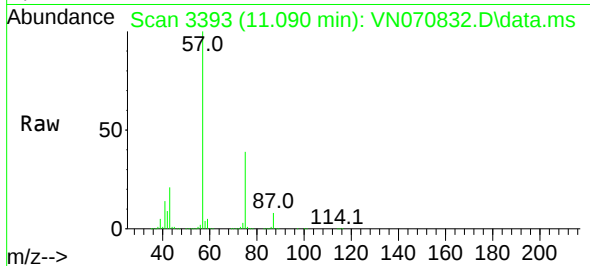




#59
2-Hexanone
Concen: 100.615 ug/l
RT: 11.090 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

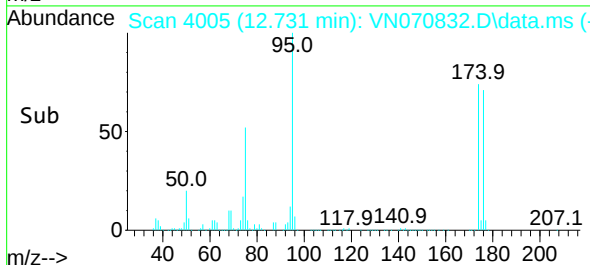
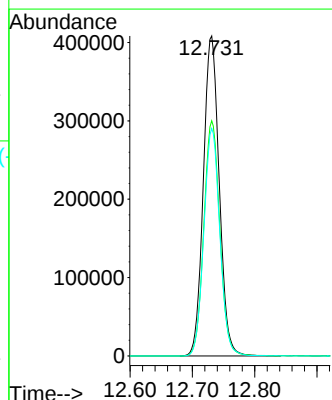
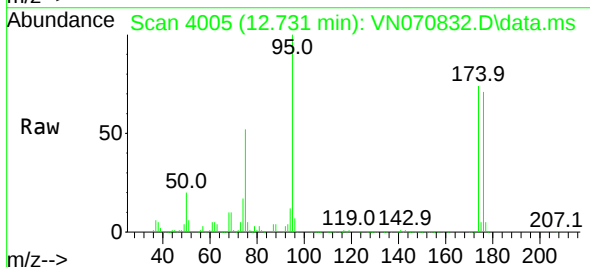
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#09

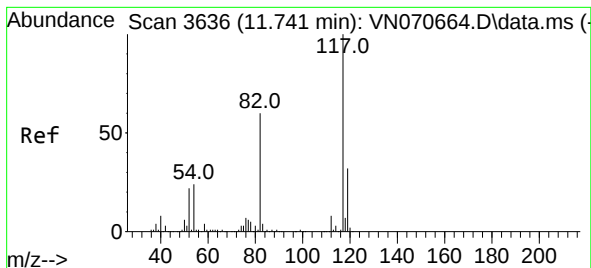
Tgt Ion: 43 Resp: 1610732
Ion Ratio Lower Upper
43 100
58 17.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 47.681 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

Tgt Ion: 95 Resp: 724118
Ion Ratio Lower Upper
95 100
174 74.0 0.0 187.2
176 71.3 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3636

Delta R.T. 0.003 min

Lab File: VN070832.D

Acq: 28 Jan 2022 16:36

Instrument :

MSVOA_N

ClientSampleId :

PB142316ZHE#09

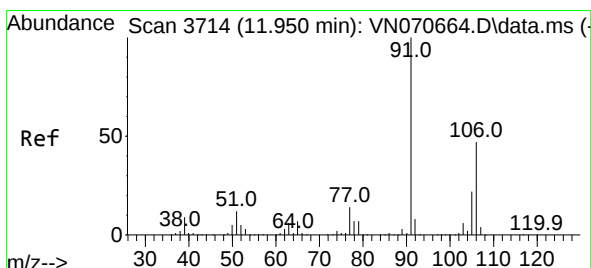
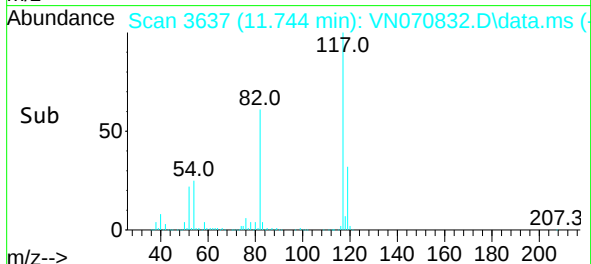
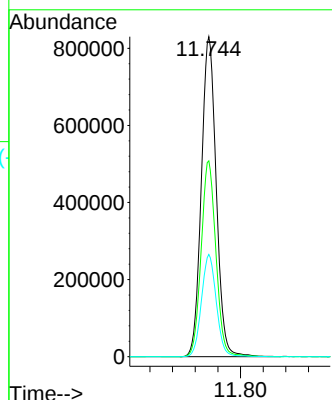
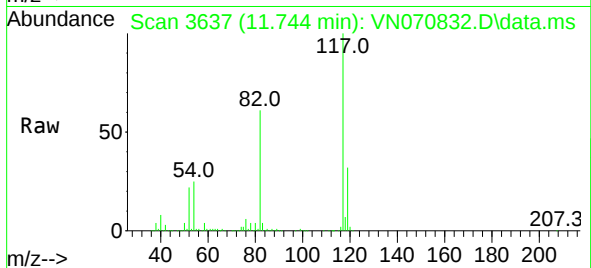
Tgt Ion:117 Resp: 1513803

Ion Ratio Lower Upper

117 100

82 61.2 42.4 63.6

119 31.9 25.4 38.2



#68

m/p-Xylenes

Concen: 0.784 ug/l

RT: 11.950 min Scan# 3714

Delta R.T. 0.000 min

Lab File: VN070832.D

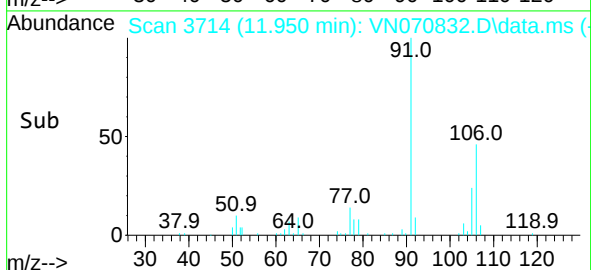
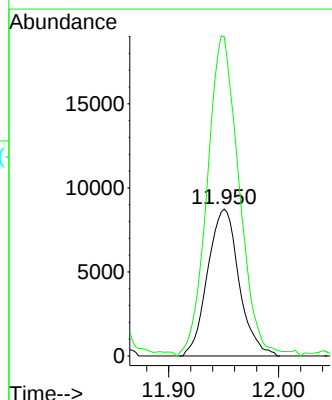
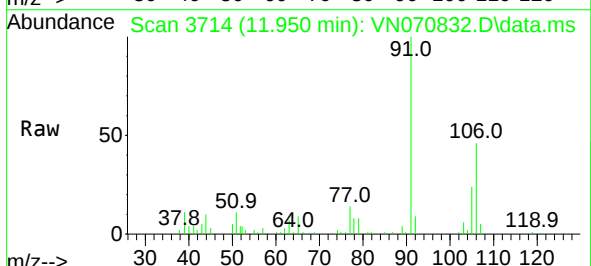
Acq: 28 Jan 2022 16:36

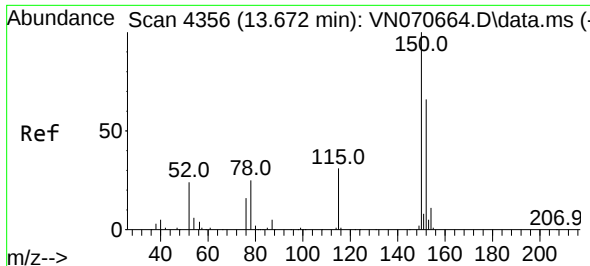
Tgt Ion:106 Resp: 17345

Ion Ratio Lower Upper

106 100

91 220.0 160.6 240.8

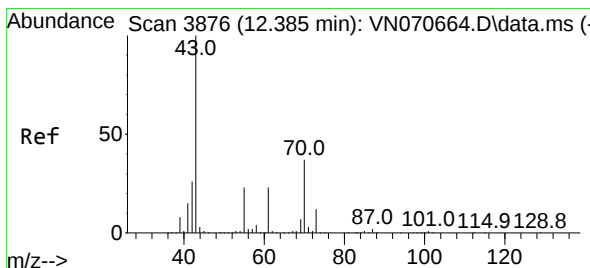
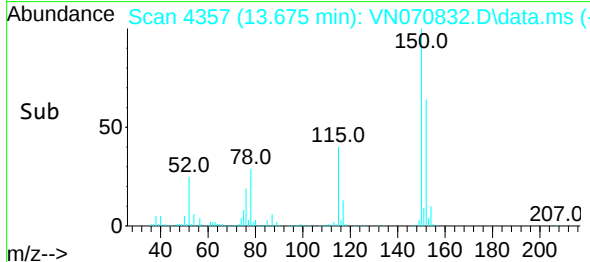
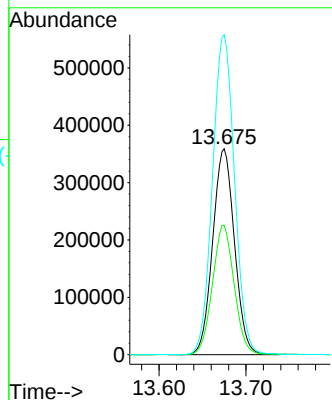
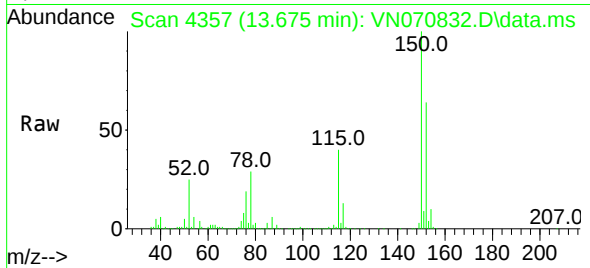




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

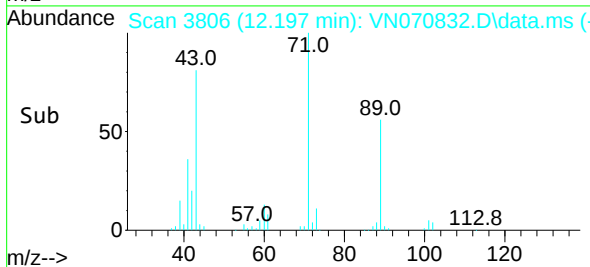
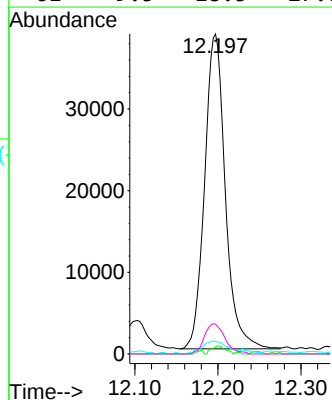
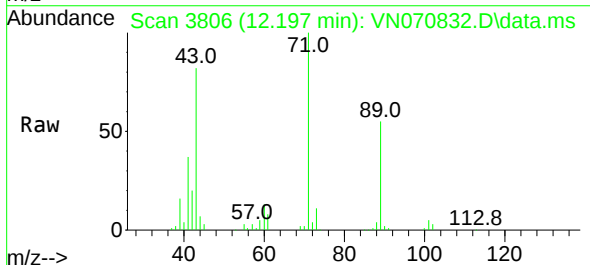
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#09

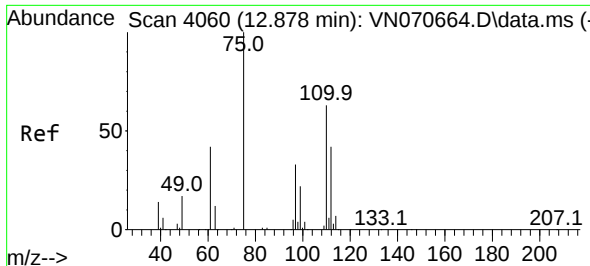
Tgt Ion:152 Resp: 626024
Ion Ratio Lower Upper
152 100
115 62.5 27.5 82.5
150 157.1 0.0 344.4



#74
N-ethyl acetate
Concen: 2.751 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.188 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

Tgt Ion: 43 Resp: 66605
Ion Ratio Lower Upper
43 100
70 1.7 33.4 50.0#
55 5.1 19.3 28.9#
61 9.5 18.5 27.7#

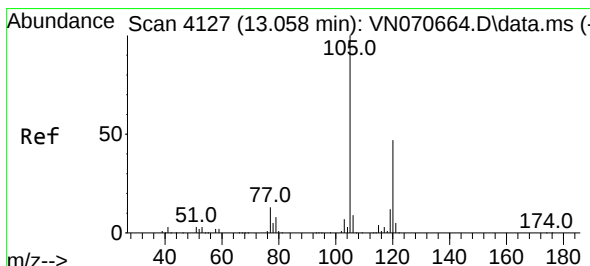
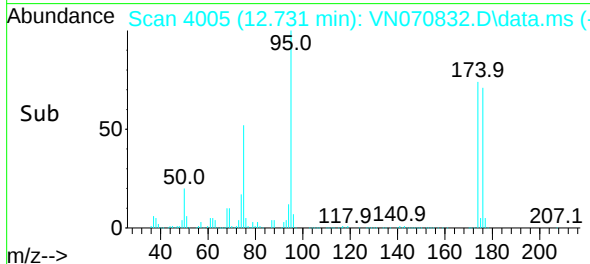
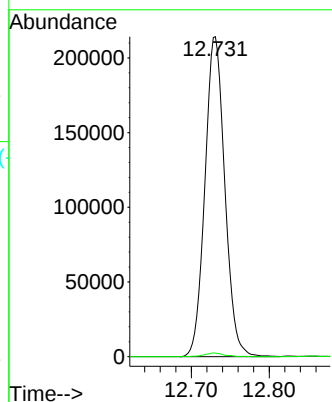
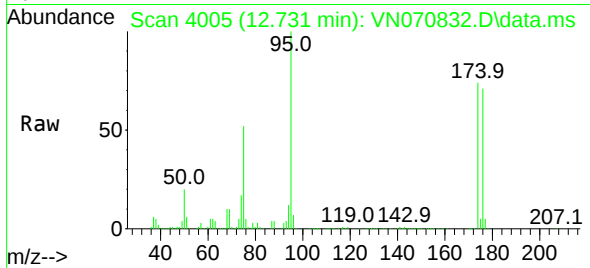




#76
 1,2,3-Trichloropropane
 Concen: 22.952 ug/l
 RT: 12.731 min Scan# 4060
 Delta R.T. -0.147 min
 Lab File: VN070832.D
 Acq: 28 Jan 2022 16:36

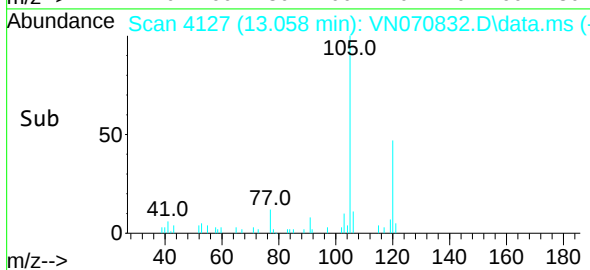
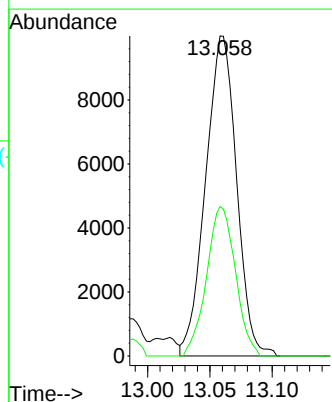
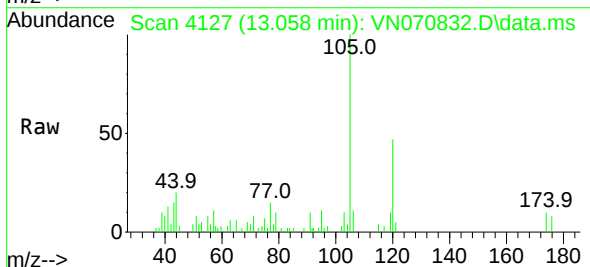
Instrument :
 MSVOA_N
 ClientSampleId :
 PB142316ZHE#09

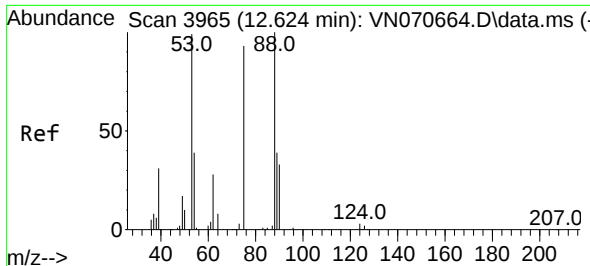
Tgt Ion: 75 Resp: 381083
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.360 ug/l
 RT: 13.058 min Scan# 4127
 Delta R.T. 0.000 min
 Lab File: VN070832.D
 Acq: 28 Jan 2022 16:36

Tgt Ion: 105 Resp: 17252
 Ion Ratio Lower Upper
 105 100
 120 43.6 24.6 73.6

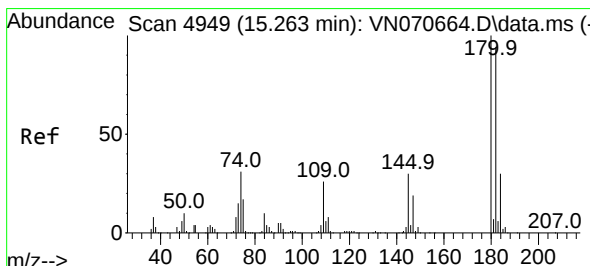
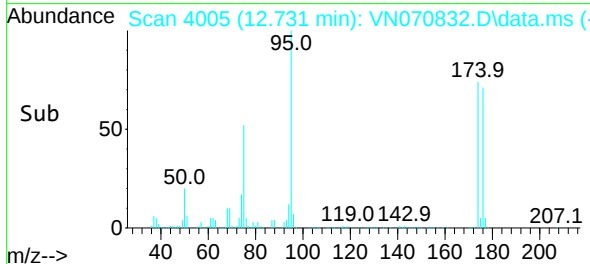
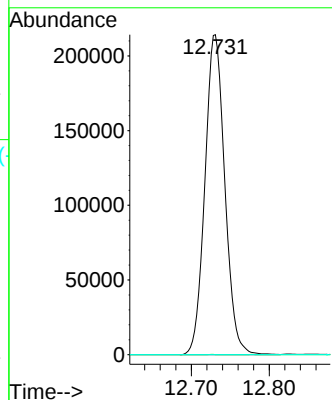
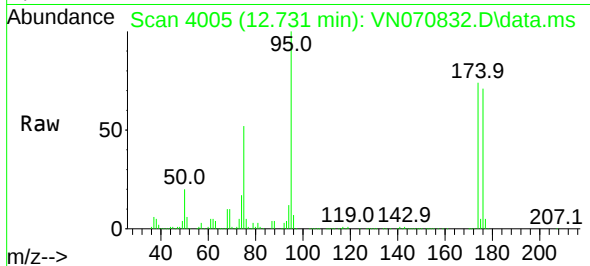




#81
trans-1,4-Dichloro-2-butene
Concen: 68.377 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

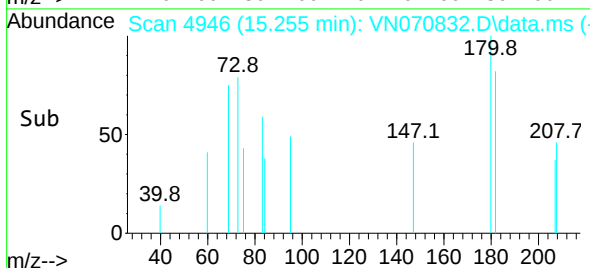
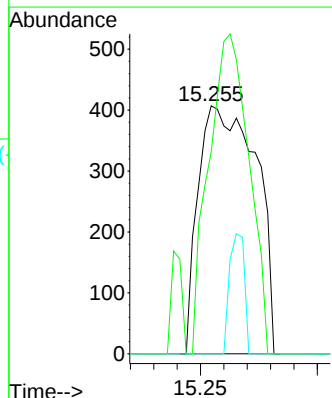
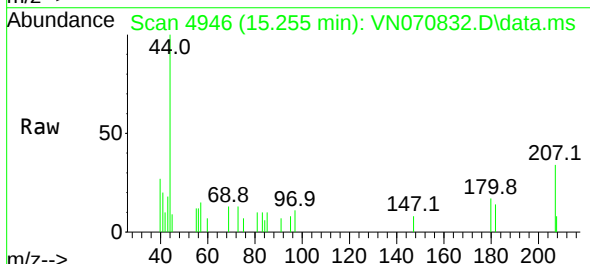
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#09

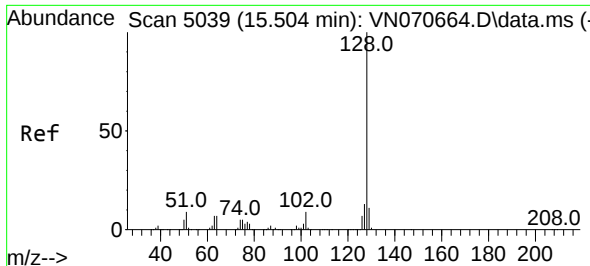
Tgt Ion: 75 Resp: 381083
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.481 ug/l
RT: 15.255 min Scan# 4946
Delta R.T. -0.008 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

Tgt Ion:180 Resp: 698
Ion Ratio Lower Upper
180 100
182 89.8 48.3 144.9
145 12.5 14.5 43.5#

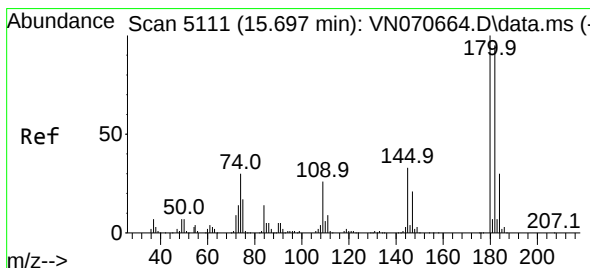
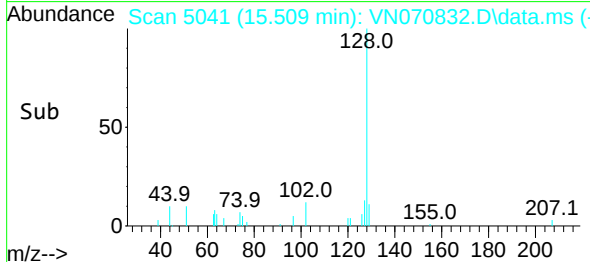
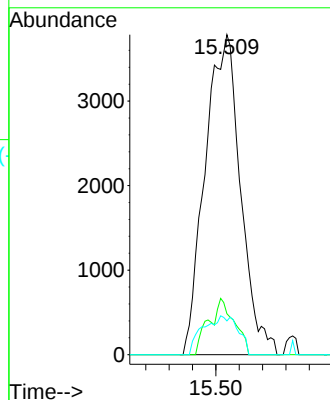
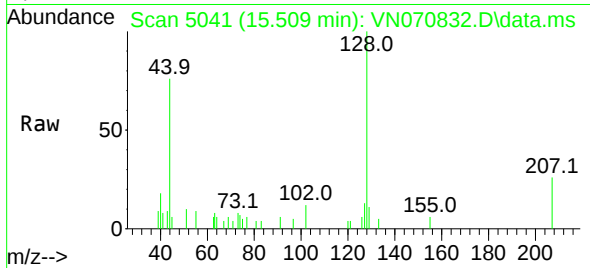




#95
Naphthalene
Concen: 5.170 ug/l
RT: 15.509 min Scan# 5039
Delta R.T. 0.005 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#09

Tgt Ion:128 Resp: 7966
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 12.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.234 ug/l
RT: 15.692 min Scan# 5109
Delta R.T. -0.005 min
Lab File: VN070832.D
Acq: 28 Jan 2022 16:36

Tgt Ion:180 Resp: 209
Ion Ratio Lower Upper
180 100
182 295.2 47.4 142.2#
145 77.5 15.0 45.1#

