

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
 Data File : VN074187.D
 Acq On : 31 Aug 2022 00:33
 Operator : JC\MD
 Sample : PB147340ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147340ZHE#06

Quant Time: Aug 31 07:06:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

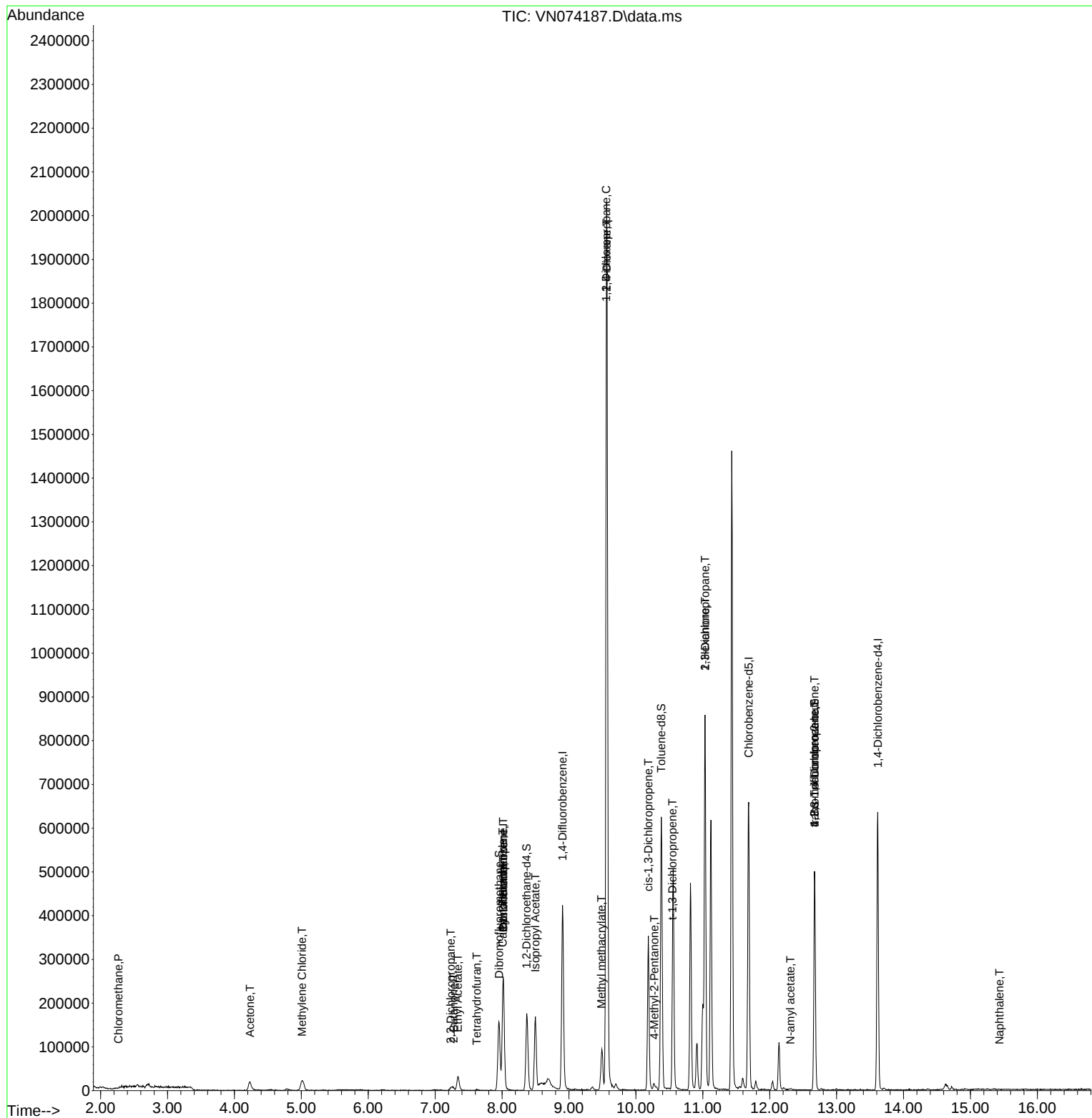
Internal Standards						
1) Pentafluorobenzene	8.016	168	178261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	336209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	358712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	154631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	135717	49.079	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.160%		
35) Dibromofluoromethane	7.957	113	112432	51.391	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.780%		
50) Toluene-d8	10.380	98	397257	46.108	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.220%		
62) 4-Bromofluorobenzene	12.668	95	150181	57.319	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.640%		
Target Compounds			Qvalue			
3) Chloromethane	2.269	50	729	0.281	ug/l	95
6) Chloroethane	2.957	64	304	Below Cal	#	42
11) Tert butyl alcohol	5.298	59	292	Below Cal	#	61
16) Acetone	4.234	43	36878	19.958	ug/l	100
18) Methyl Acetate	4.781	43	6147	Below Cal	#	60
20) Methylene Chloride	5.010	84	18153	5.355	ug/l	# 83
25) 2-Butanone	7.275	43	8902	3.012	ug/l	# 83
26) 2,2-Dichloropropane	7.233	77	63	0.289	ug/l	# 53
28) Bromochloromethane	7.433	49	66	Below Cal	#	8
29) Tetrahydrofuran	7.622	42	1051	0.558	ug/l	# 67
31) Cyclohexane	8.016	56	5489	1.201	ug/l	# 60
36) 1,1-Dichloropropene	8.016	75	17572	4.950	ug/l	# 49
37) Ethyl Acetate	7.339	43	51371	8.653	ug/l	# 92
38) Carbon Tetrachloride	8.010	117	20034	6.214	ug/l	# 17
43) Isopropyl Acetate	8.498	43	191589	24.007	ug/l	# 84
45) 1,2-Dichloropropane	9.557	63	2690	0.894	ug/l	# 44
48) Methyl methacrylate	9.486	41	6876	1.814	ug/l	# 37
49) 1,4-Dioxane	9.563	88	73	0.893	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.274	43	8970	1.549	ug/l	97
53) t-1,3-Dichloropropene	10.545	75	1363	0.365	ug/l	# 43
54) cis-1,3-Dichloropropene	10.186	75	53317	12.753	ug/l	# 73
57) 1,3-Dichloropropane	11.033	76	7536	1.526	ug/l	# 42
59) 2-Hexanone	11.033	43	126335	28.743	ug/l	# 46
74) N-amyl acetate	12.310	43	2562	0.342	ug/l	# 51
76) 1,2,3-Trichloropropane	12.668	75	84207	21.641	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.668	75	84207	56.525	ug/l	# 11
95) Naphthalene	15.433	128	921	1.228	ug/l	# 69

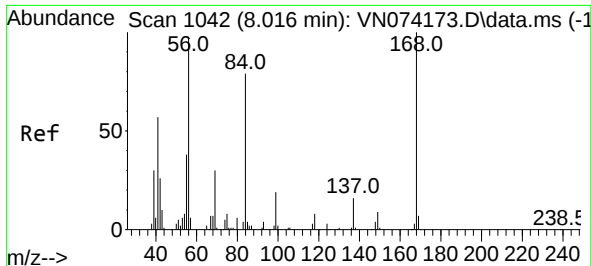
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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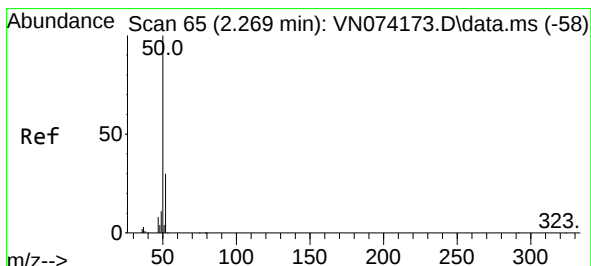
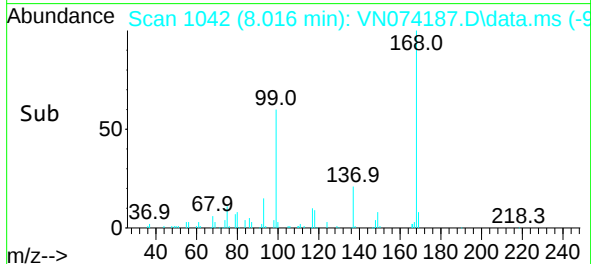
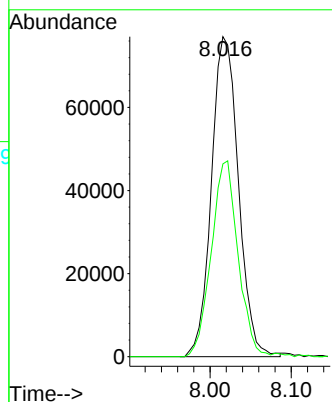
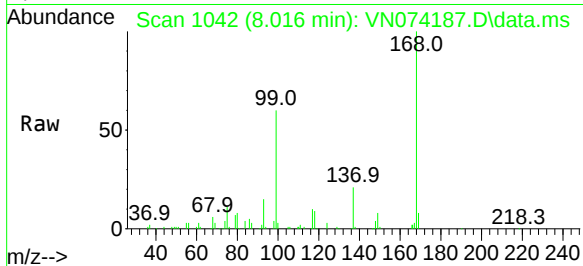




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

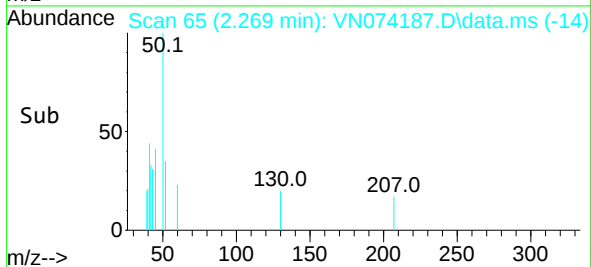
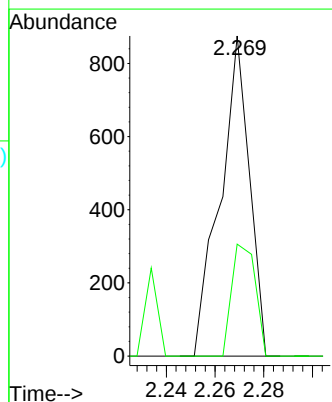
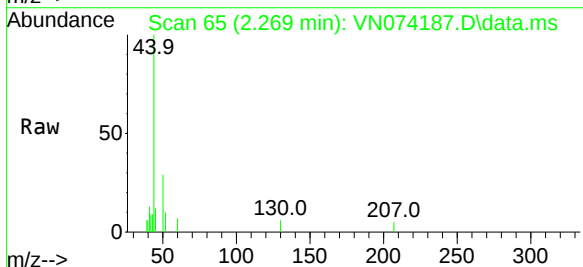
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#06

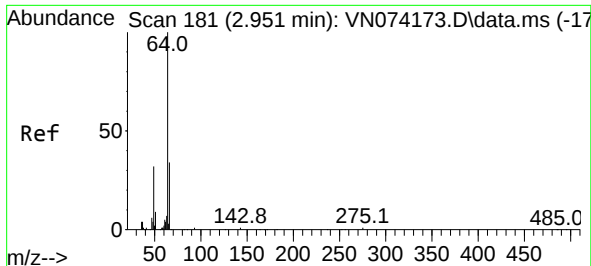
Tgt Ion:168 Resp: 178261
Ion Ratio Lower Upper
168 100
99 60.2 42.3 63.5



#3
Chloromethane
Concen: 0.281 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

Tgt Ion: 50 Resp: 729
Ion Ratio Lower Upper
50 100
52 35.0 25.7 38.5

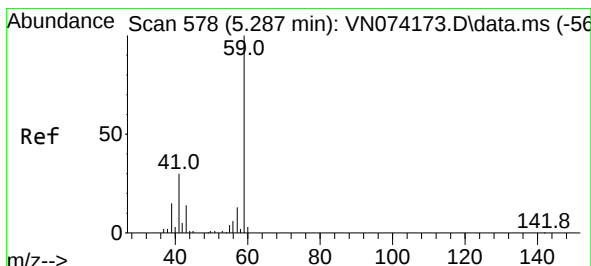
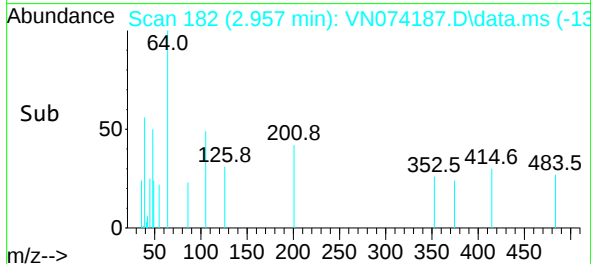
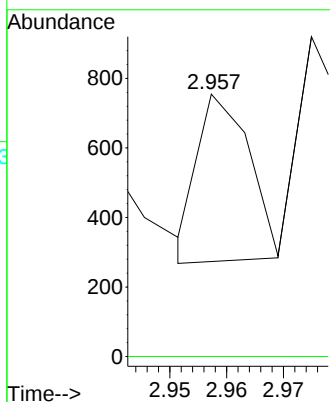
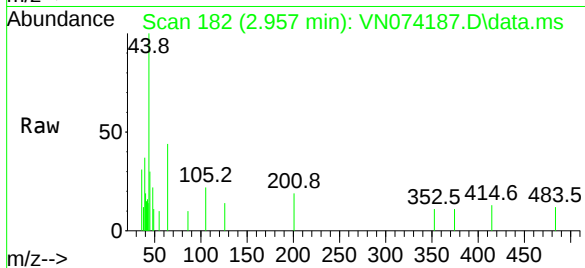




#6
Chloroethane
Concen: Below Cal
RT: 2.957 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

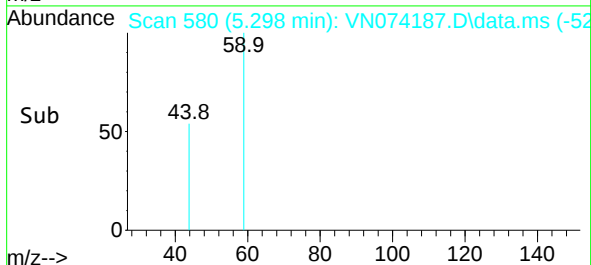
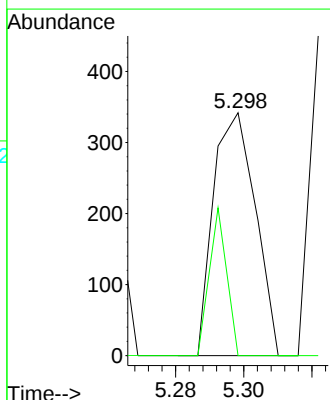
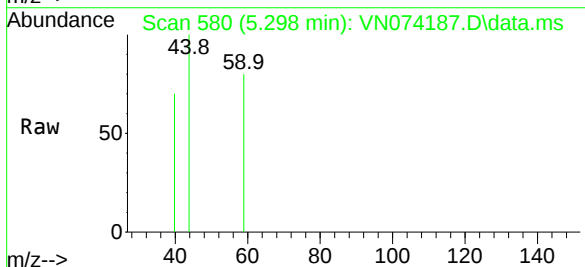
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#06

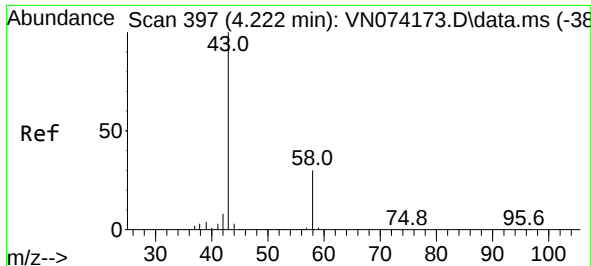
Tgt Ion: 64 Resp: 304
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.298 min Scan# 580
Delta R.T. 0.011 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 25.0 8.3 12.5#

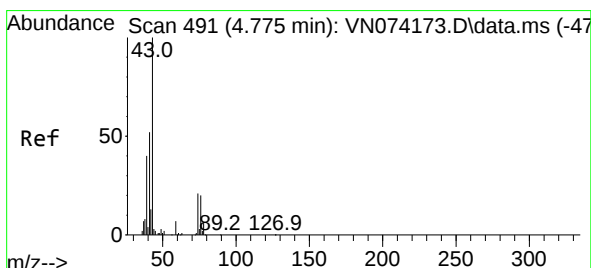
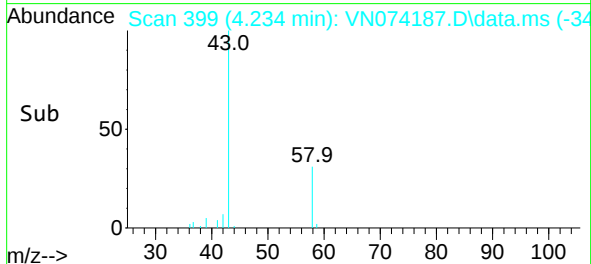
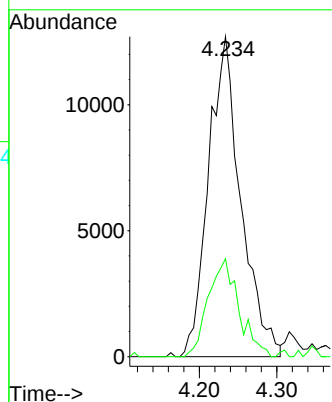
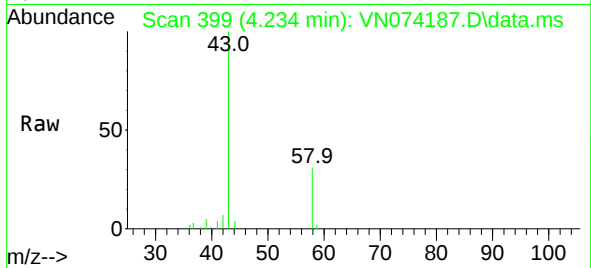




#16
Acetone
Concen: 19.958 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

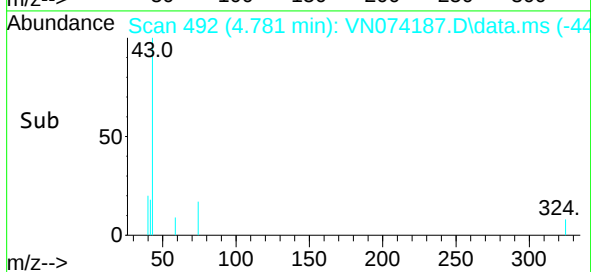
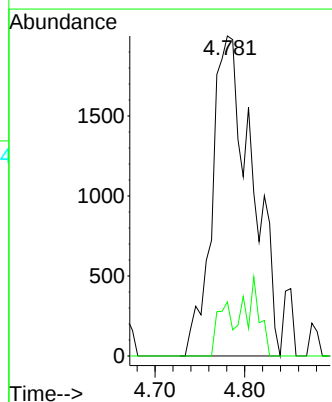
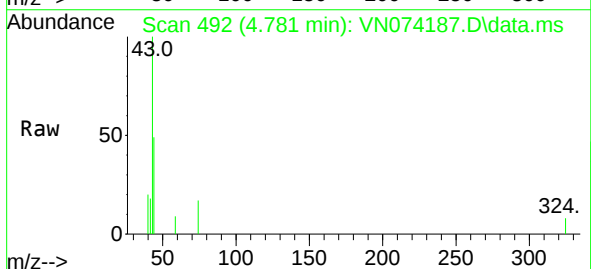
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#06

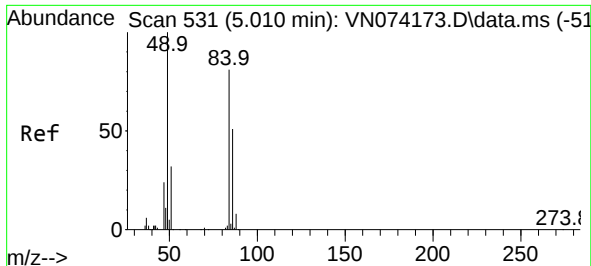
Tgt Ion: 43 Resp: 36878
Ion Ratio Lower Upper
43 100
58 32.3 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.781 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

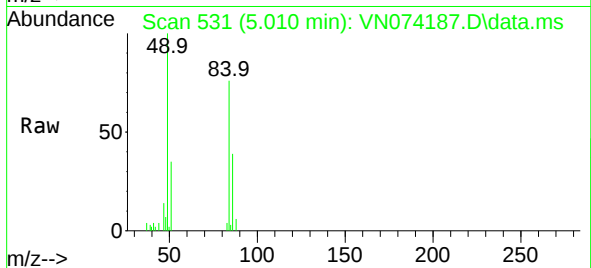
Tgt Ion: 43 Resp: 6147
Ion Ratio Lower Upper
43 100
74 6.1 21.6 32.4#



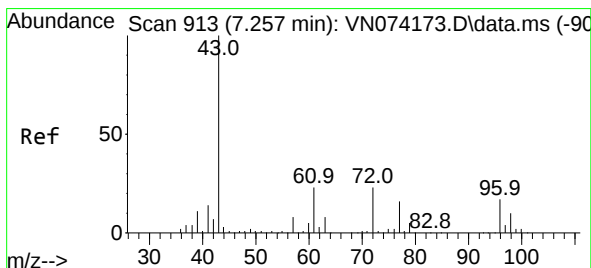
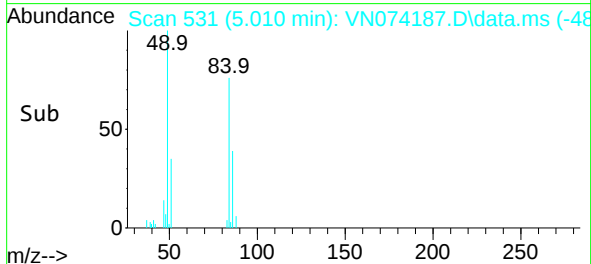
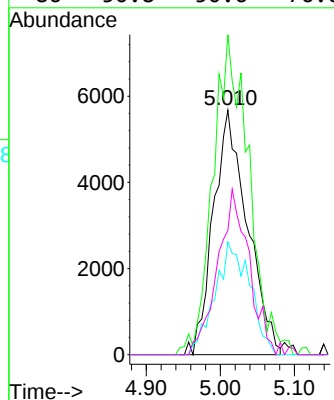


#20
Methylene Chloride
Concen: 5.355 ug/l
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#06

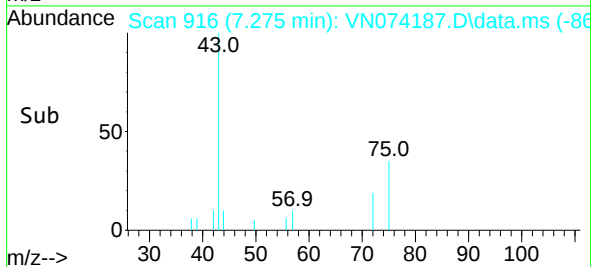
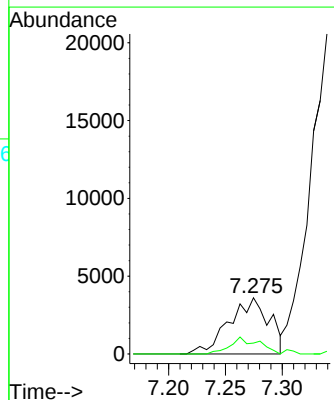
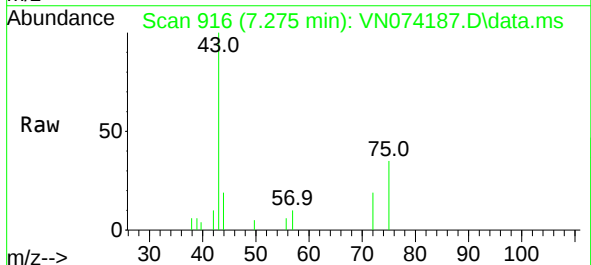


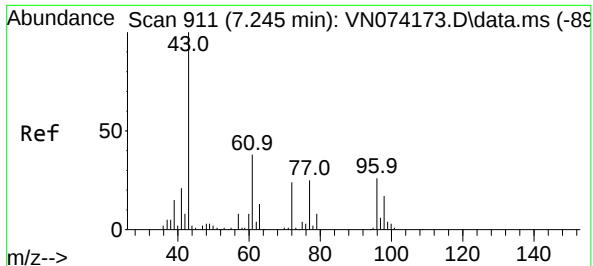
Tgt Ion: 84 Resp: 18153
Ion Ratio Lower Upper
84 100
49 128.1 88.3 132.5
51 46.1 28.2 42.2#
86 50.8 50.6 76.0



#25
2-Butanone
Concen: 3.012 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

Tgt Ion: 43 Resp: 8902
Ion Ratio Lower Upper
43 100
72 20.7 23.7 35.5#

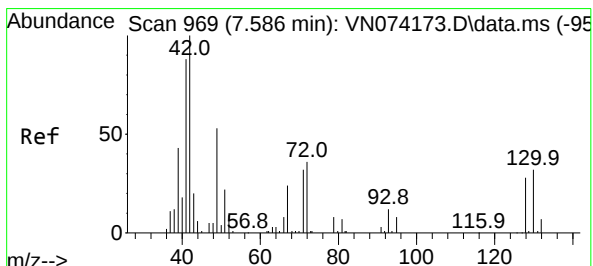
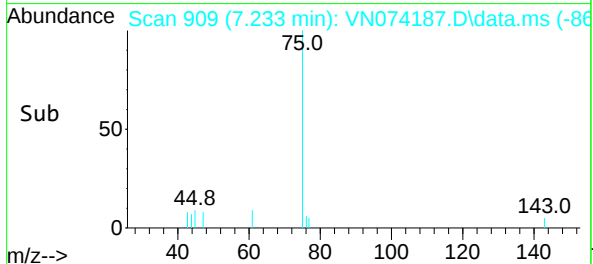
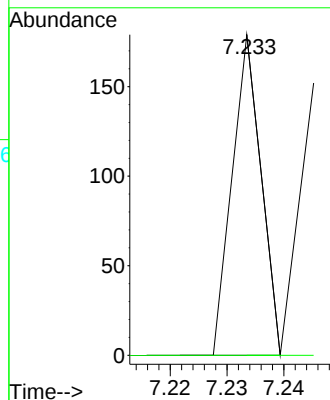
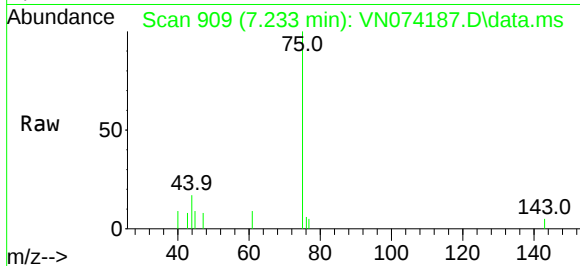




#26
2,2-Dichloropropane
Concen: 0.289 ug/l
RT: 7.233 min Scan# 90
Delta R.T. -0.012 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

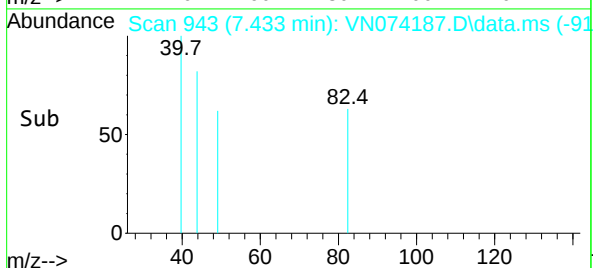
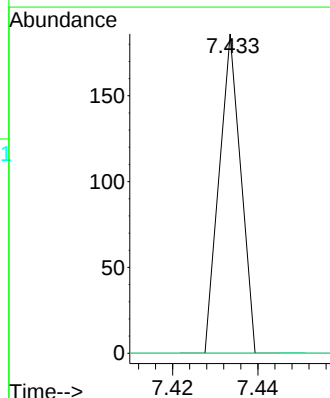
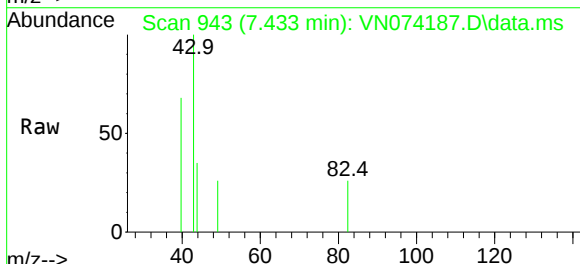
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#06

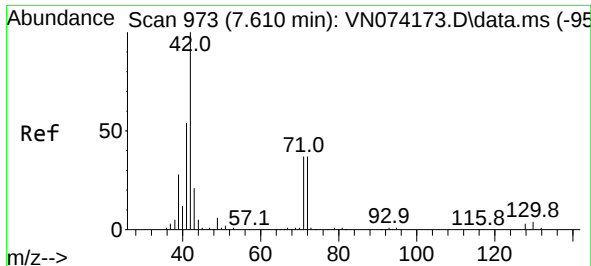
Tgt Ion: 77 Resp: 63
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.433 min Scan# 943
Delta R.T. -0.153 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

Tgt Ion: 49 Resp: 66
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#





#29

Tetrahydrofuran

Concen: 0.558 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN074187.D

Acq: 31 Aug 2022 00:33

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#06

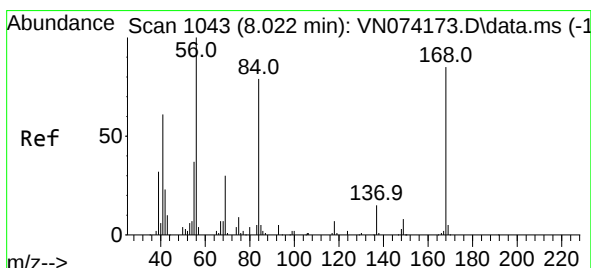
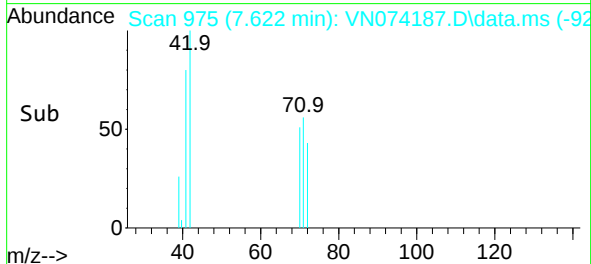
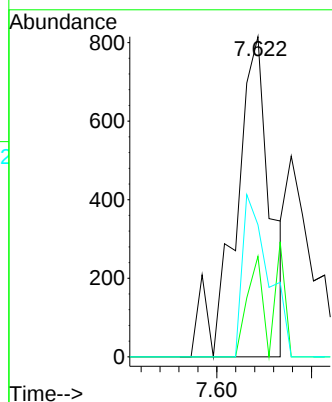
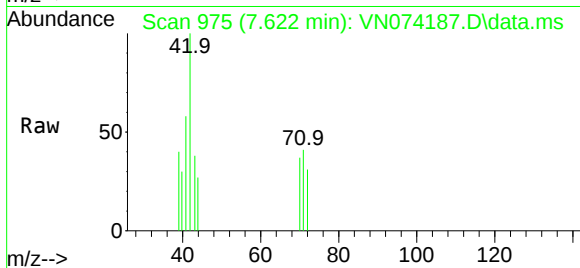
Tgt Ion: 42 Resp: 1051

Ion Ratio Lower Upper

42 100

72 13.6 39.7 59.5#

71 37.5 36.6 55.0



#31

Cyclohexane

Concen: 1.201 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN074187.D

Acq: 31 Aug 2022 00:33

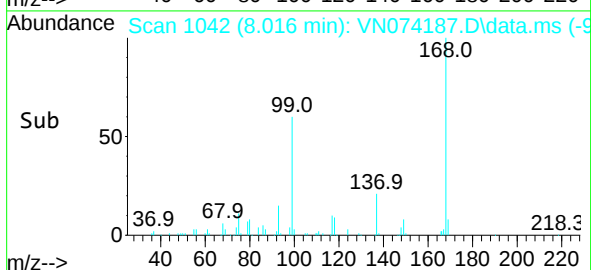
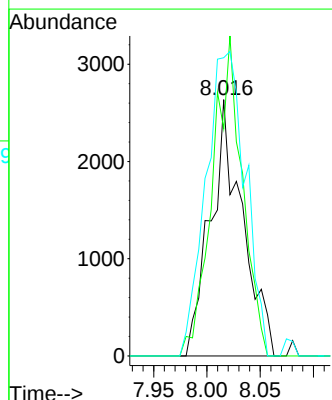
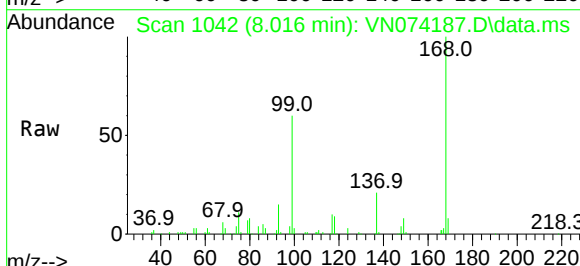
Tgt Ion: 56 Resp: 5489

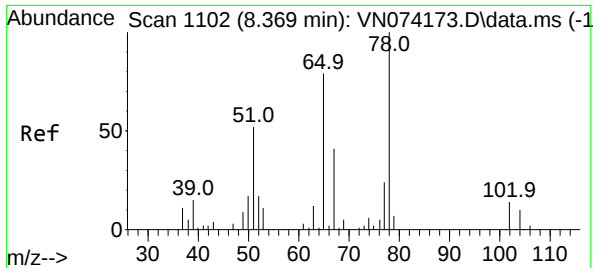
Ion Ratio Lower Upper

56 100

69 88.6 27.8 41.8#

84 116.4 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 49.079 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074187.D

Acq: 31 Aug 2022 00:33

Instrument :

MSVOA_N

ClientSampleId :

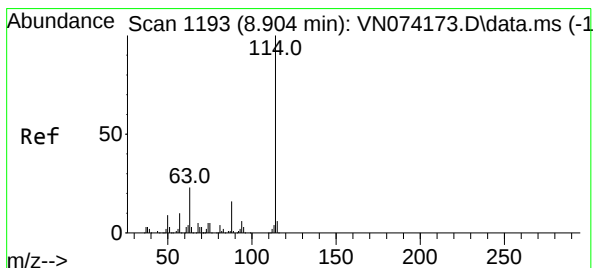
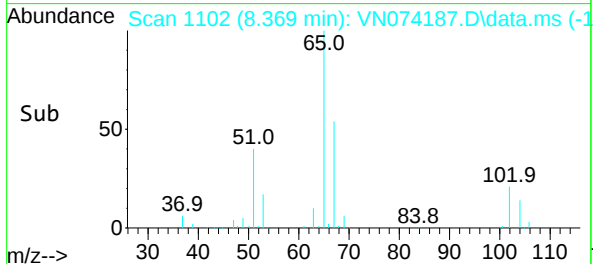
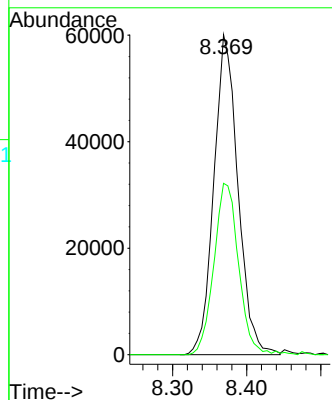
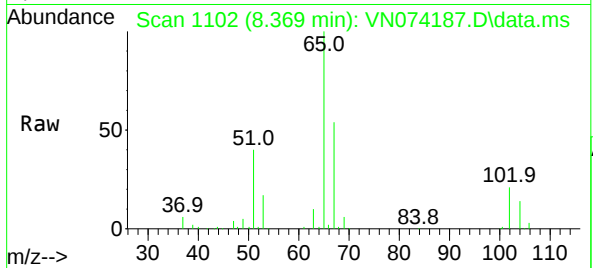
PB147340ZHE#06

Tgt Ion: 65 Resp: 135717

Ion Ratio Lower Upper

65 100

67 55.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074187.D

Acq: 31 Aug 2022 00:33

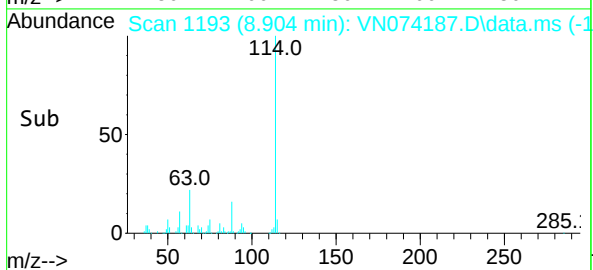
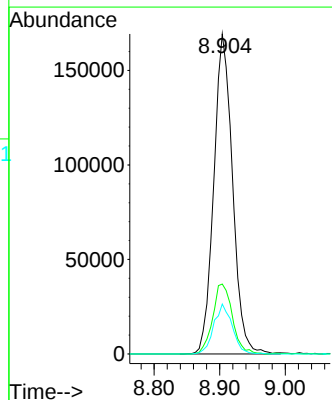
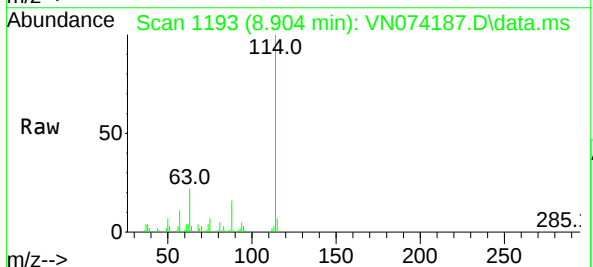
Tgt Ion: 114 Resp: 336209

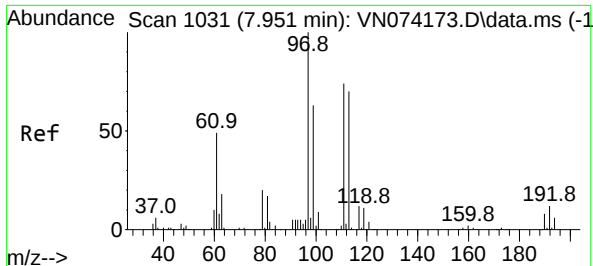
Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.391 ug/l

RT: 7.957 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VN074187.D

Acq: 31 Aug 2022 00:33

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#06

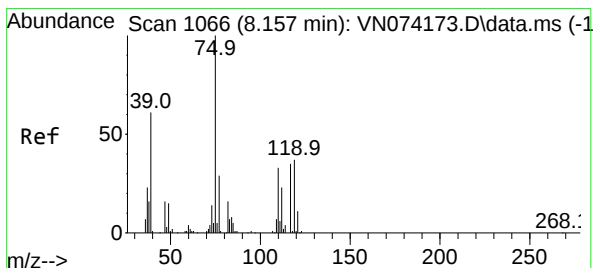
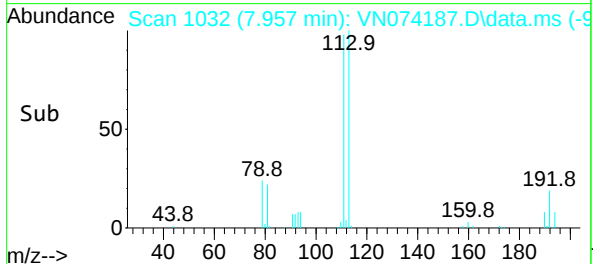
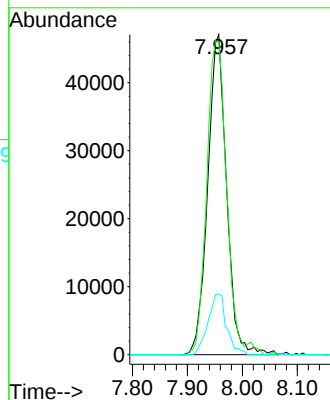
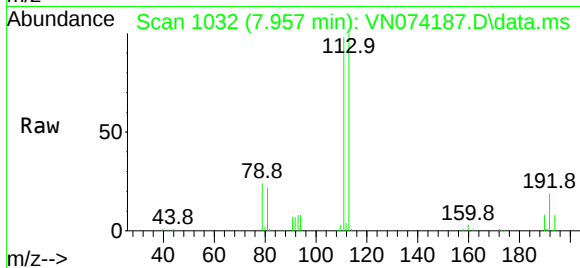
Tgt Ion:113 Resp: 112432

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

192 18.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.950 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074187.D

Acq: 31 Aug 2022 00:33

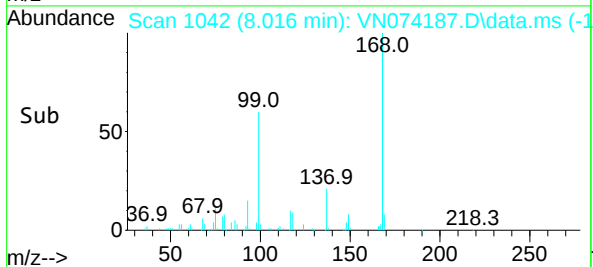
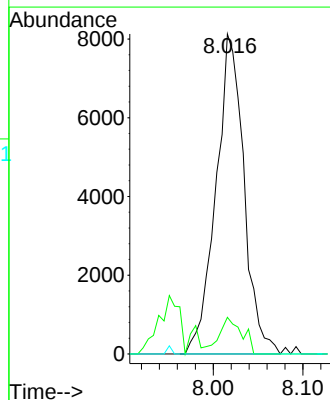
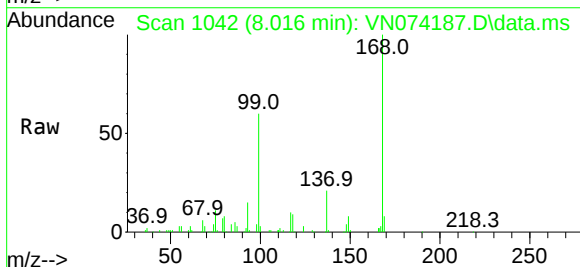
Tgt Ion: 75 Resp: 17572

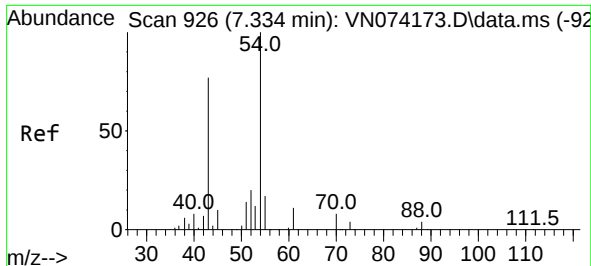
Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 25.1 37.7#

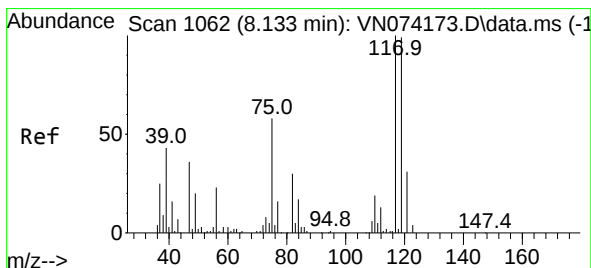
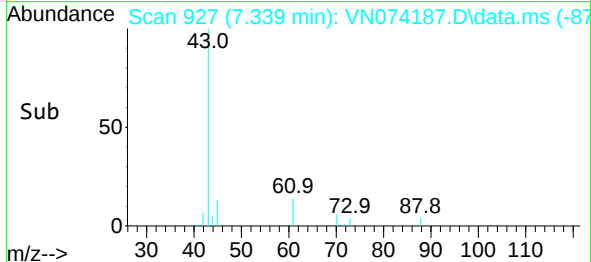
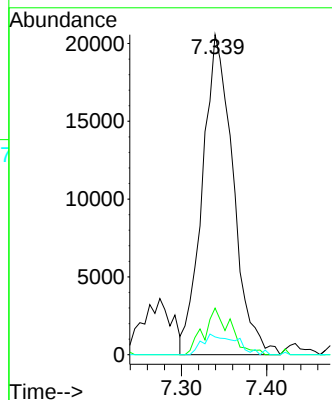
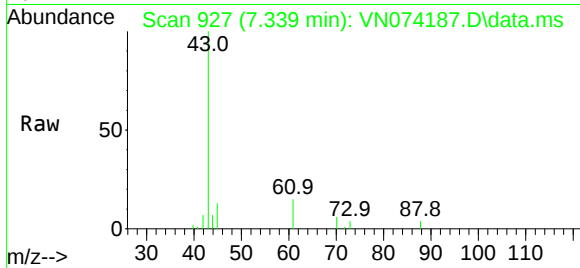




#37
Ethyl Acetate
Concen: 8.653 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

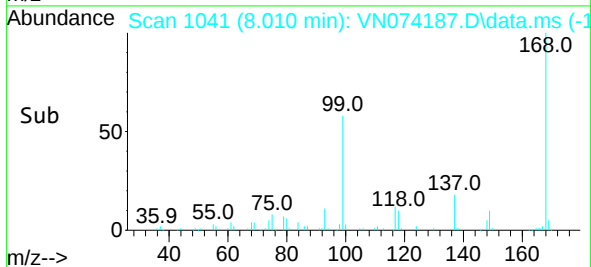
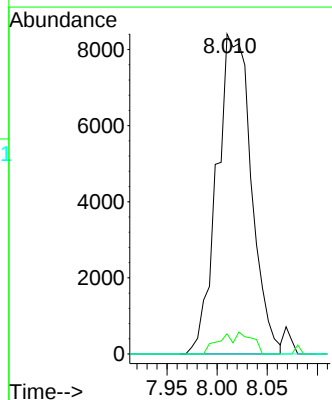
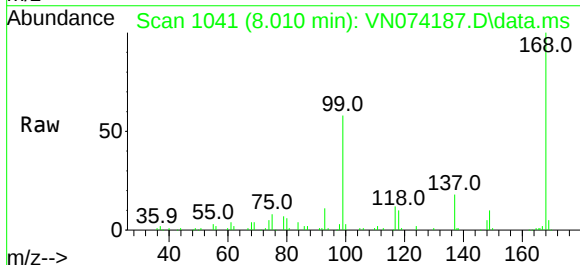
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#06

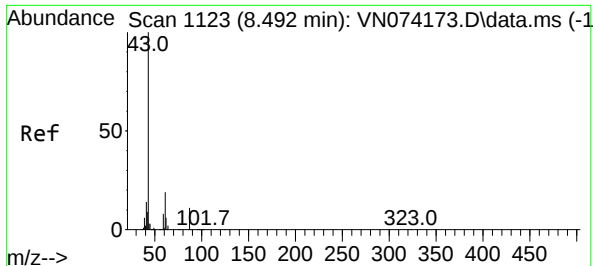
Tgt Ion: 43 Resp: 51371
Ion Ratio Lower Upper
43 100
61 12.8 11.8 17.6
70 7.2 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.214 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.123 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

Tgt Ion: 117 Resp: 20034
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.8#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 24.007 ug/l

RT: 8.498 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN074187.D

Acq: 31 Aug 2022 00:33

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#06

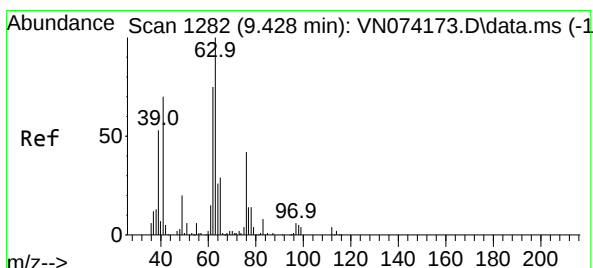
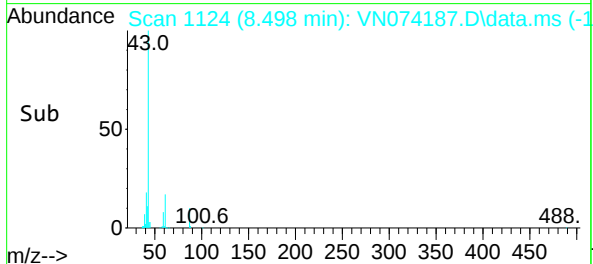
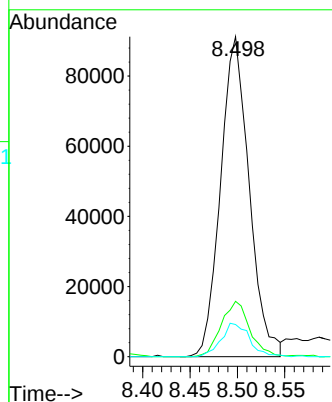
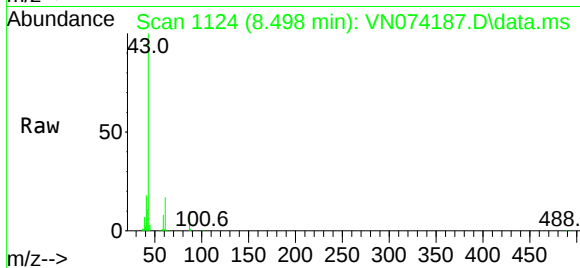
Tgt Ion: 43 Resp: 191589

Ion Ratio Lower Upper

43 100

61 17.3 21.9 32.9#

87 10.3 12.0 18.0#



#45

1,2-Dichloropropane

Concen: 0.894 ug/l

RT: 9.557 min Scan# 1304

Delta R.T. 0.129 min

Lab File: VN074187.D

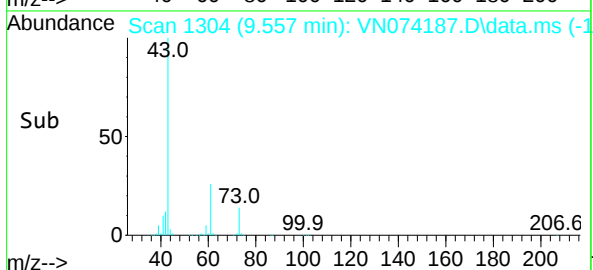
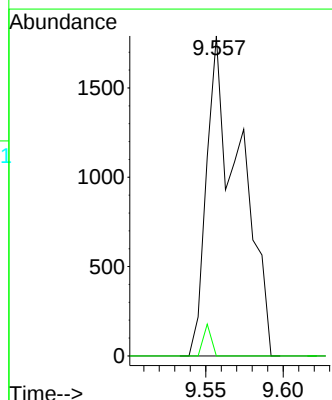
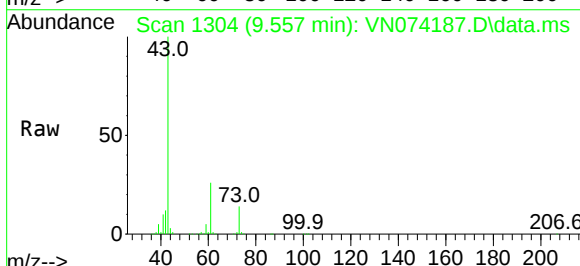
Acq: 31 Aug 2022 00:33

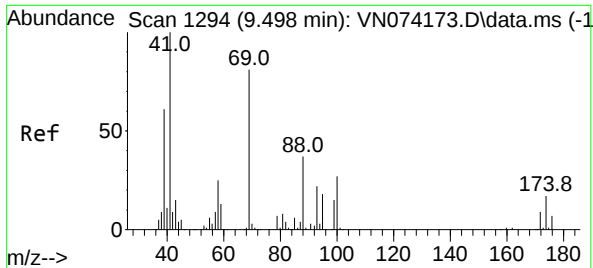
Tgt Ion: 63 Resp: 2690

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#

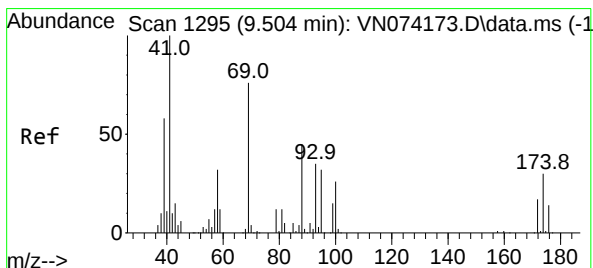
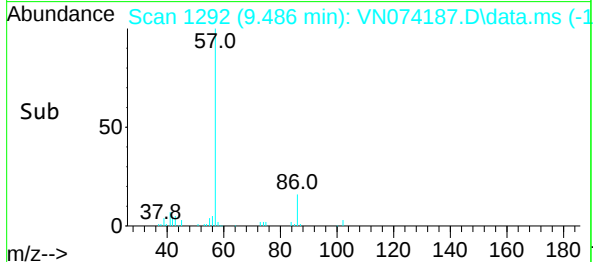
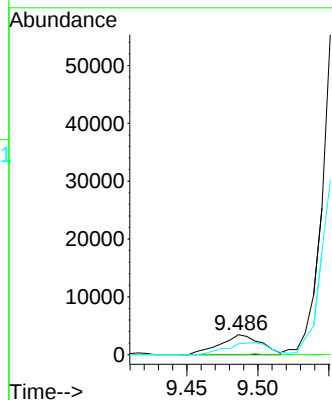
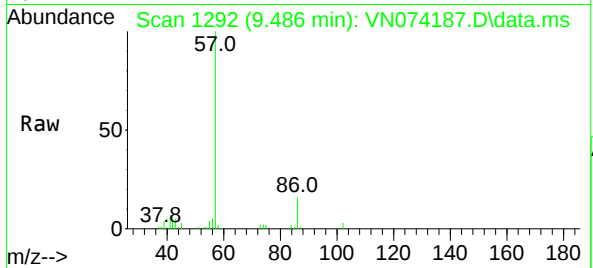




#48
Methyl methacrylate
Concen: 1.814 ug/l
RT: 9.486 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

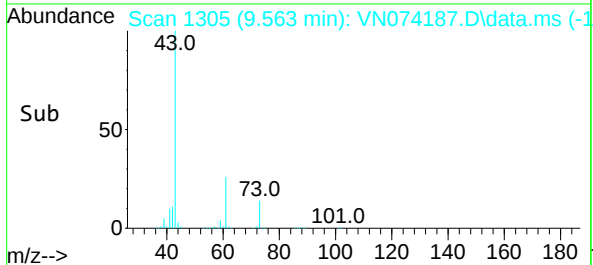
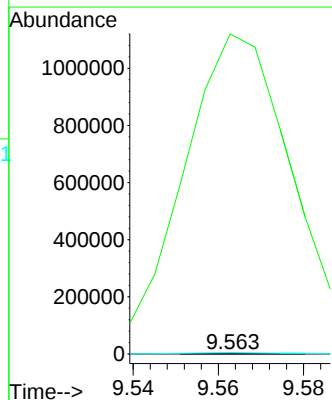
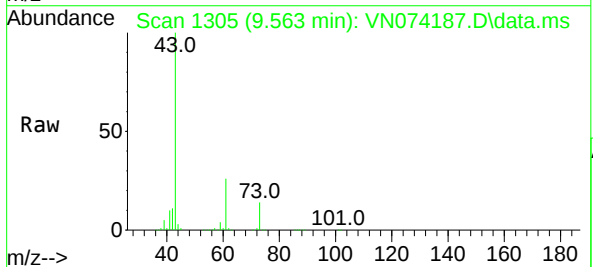
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#06

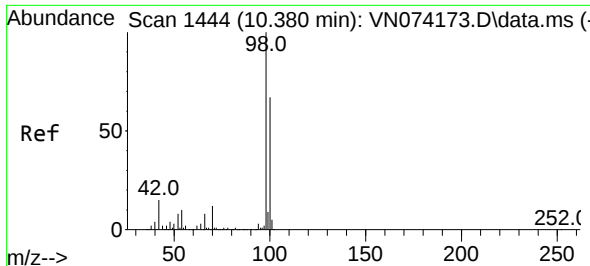
Tgt Ion: 41 Resp: 6876
Ion Ratio Lower Upper
41 100
69 1.0 74.7 112.1#
39 63.6 45.6 68.4



#49
1,4-Dioxane
Concen: 0.893 ug/l
RT: 9.563 min Scan# 1305
Delta R.T. 0.059 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 2830564.4 20.2 30.4#
58 12457.5 54.2 81.4#

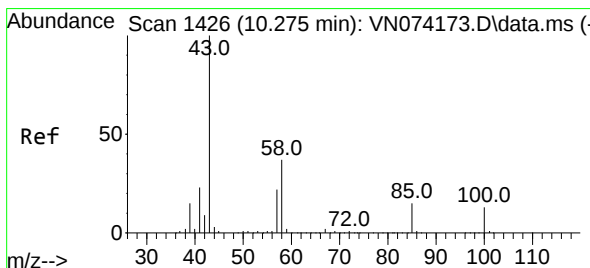
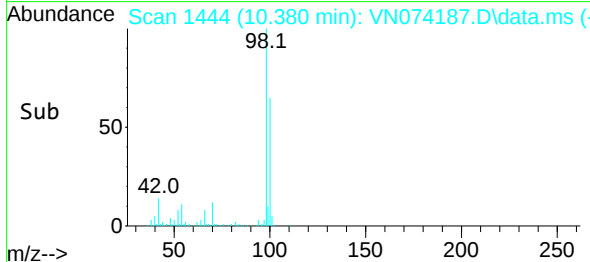
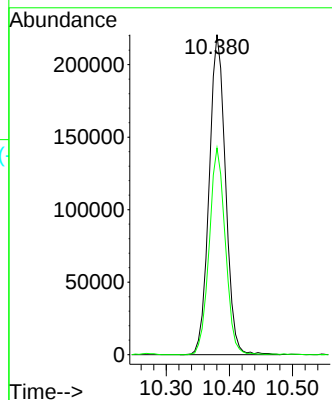
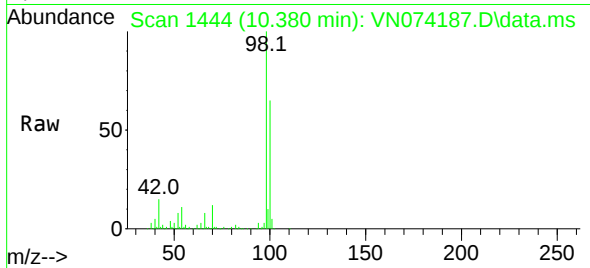




#50
Toluene-d8
Concen: 46.108 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

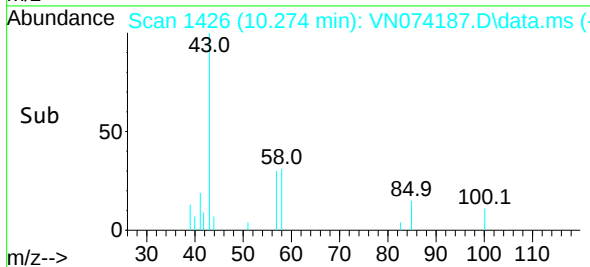
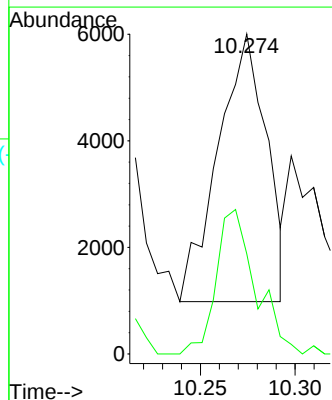
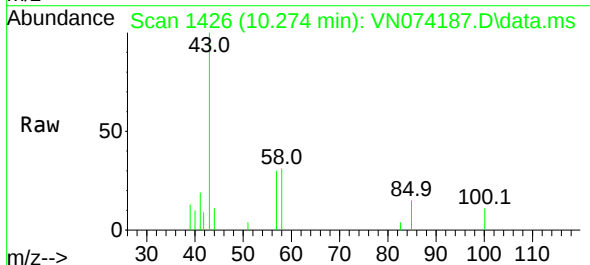
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#06

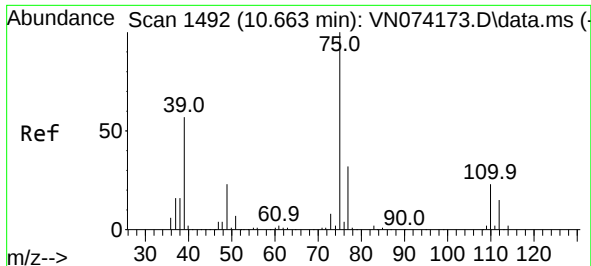
Tgt Ion: 98 Resp: 397257
Ion Ratio Lower Upper
98 100
100 63.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.549 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

Tgt Ion: 43 Resp: 8970
Ion Ratio Lower Upper
43 100
58 44.4 34.1 51.1

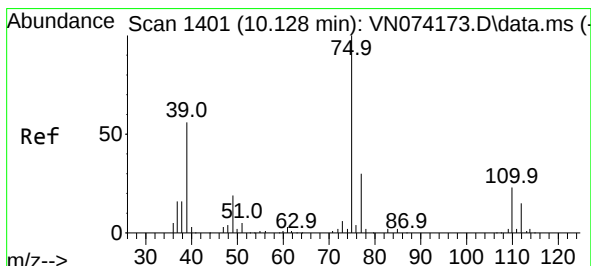
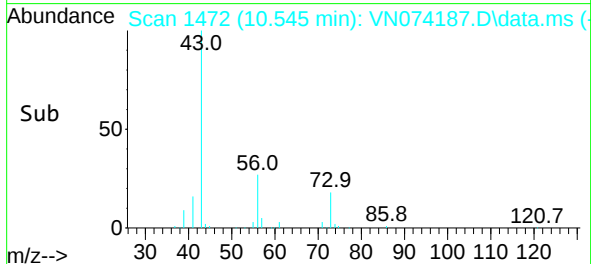
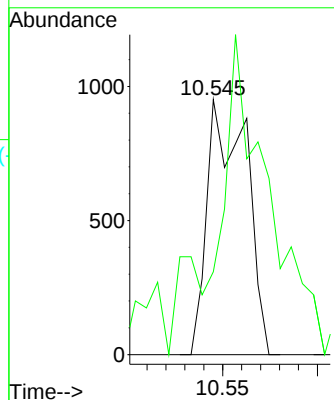
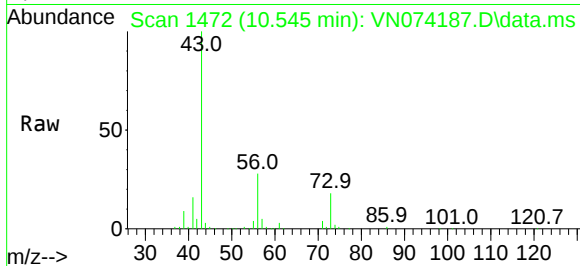




#53
 t-1,3-Dichloropropene
 Concen: 0.365 ug/l
 RT: 10.545 min Scan# 1411
 Delta R.T. -0.118 min
 Lab File: VN074187.D
 Acq: 31 Aug 2022 00:33

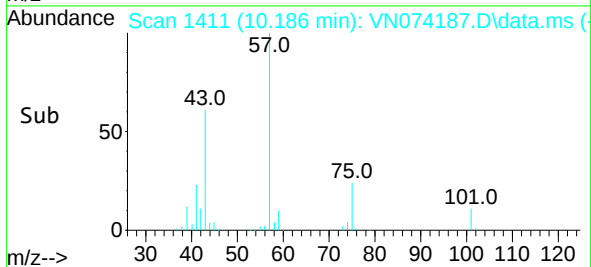
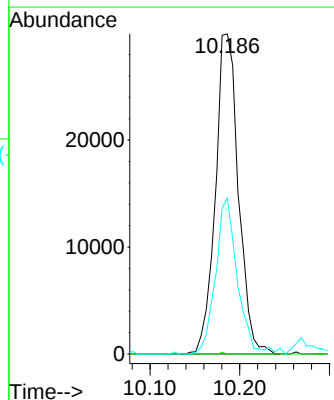
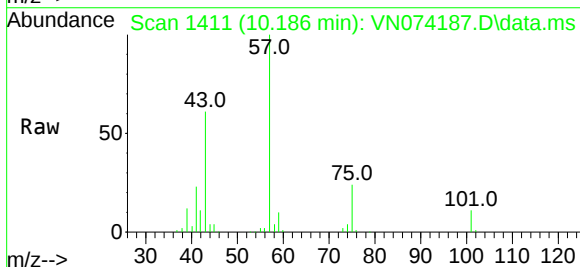
Instrument :
 MSVOA_N
 ClientSampleId :
 PB147340ZHE#06

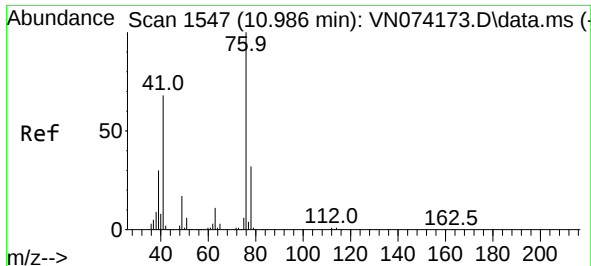
Tgt Ion: 75 Resp: 1363
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 12.753 ug/l
 RT: 10.186 min Scan# 1411
 Delta R.T. 0.059 min
 Lab File: VN074187.D
 Acq: 31 Aug 2022 00:33

Tgt Ion: 75 Resp: 53317
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 48.7 35.7 53.5





#57

1,3-Dichloropropane

Concen: 1.526 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN074187.D

Acq: 31 Aug 2022 00:33

Instrument :

MSVOA_N

ClientSampleId :

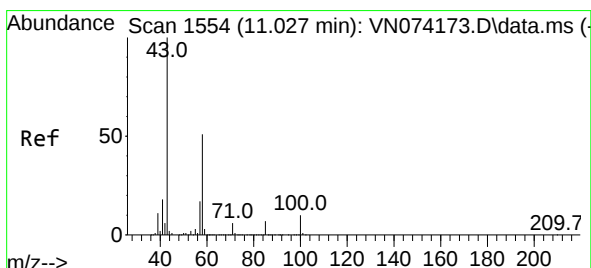
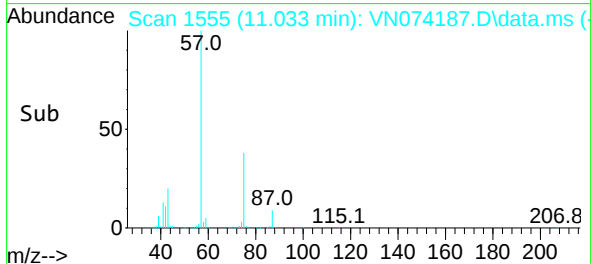
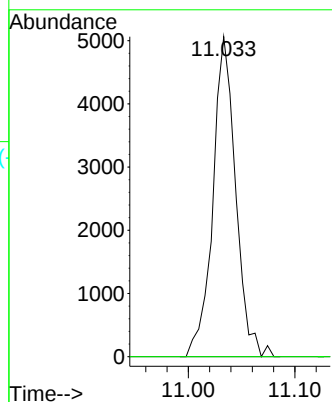
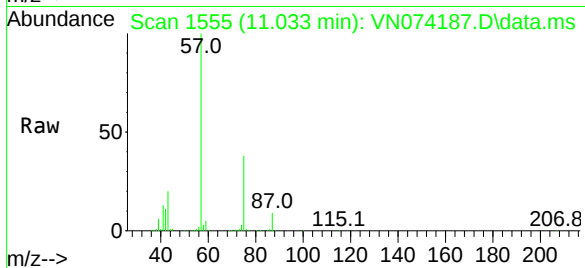
PB147340ZHE#06

Tgt Ion: 76 Resp: 7536

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 28.743 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN074187.D

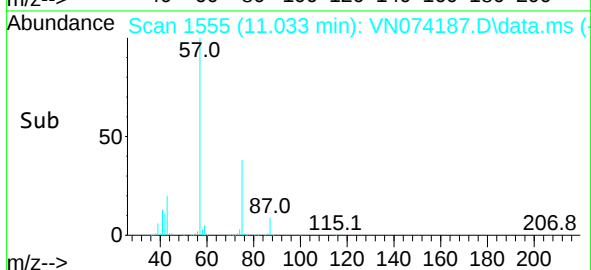
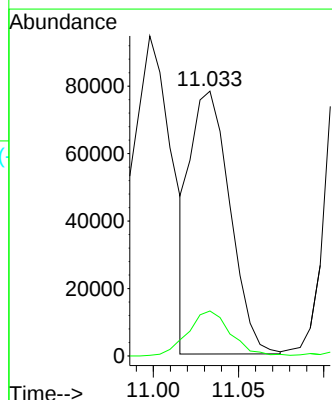
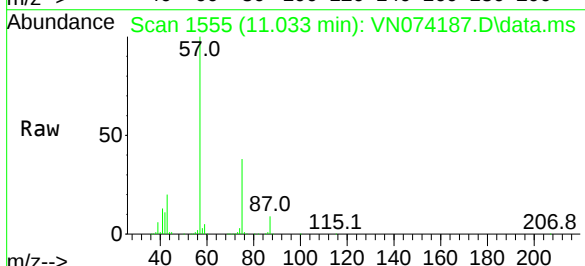
Acq: 31 Aug 2022 00:33

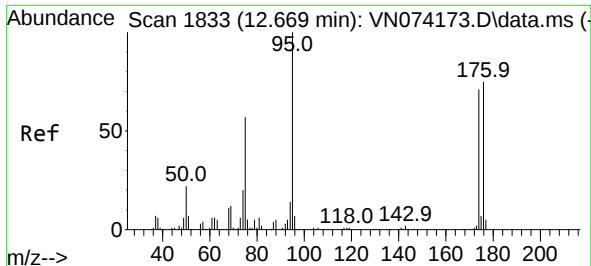
Tgt Ion: 43 Resp: 126335

Ion Ratio Lower Upper

43 100

58 18.5 29.7 89.1#





#62

4-Bromofluorobenzene

Concen: 57.319 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. -0.000 min

Lab File: VN074187.D

Acq: 31 Aug 2022 00:33

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#06

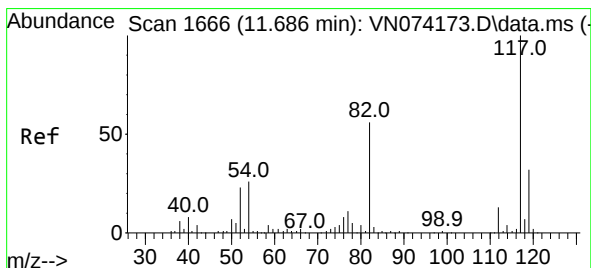
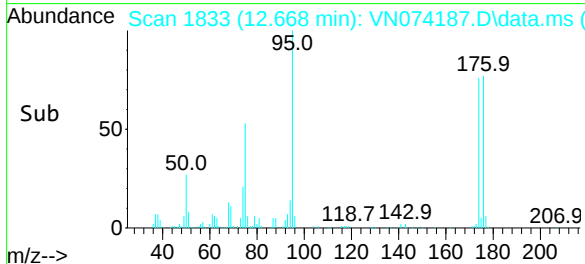
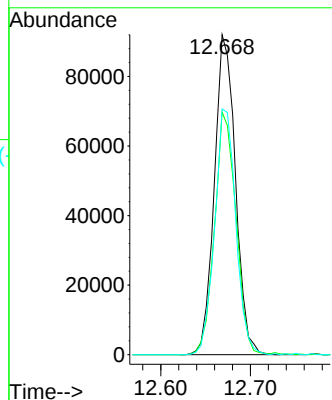
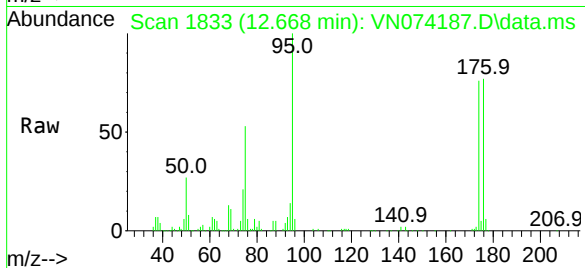
Tgt Ion: 95 Resp: 150181

Ion Ratio Lower Upper

95 100

174 76.9 0.0 167.6

176 76.9 0.0 163.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1666

Delta R.T. -0.000 min

Lab File: VN074187.D

Acq: 31 Aug 2022 00:33

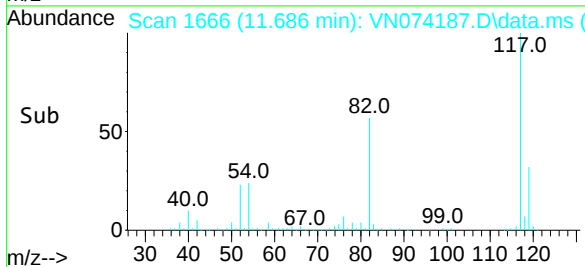
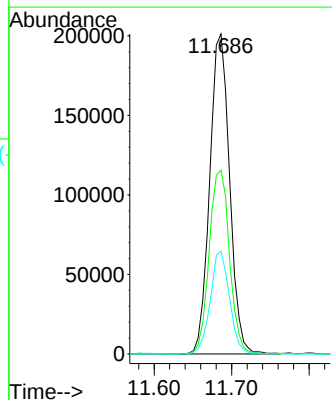
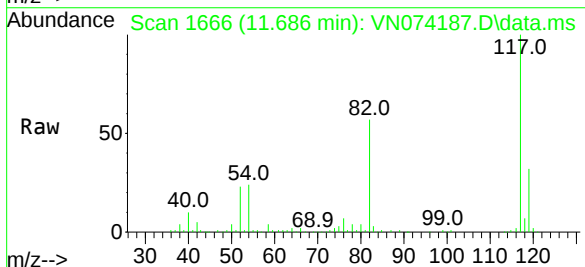
Tgt Ion: 117 Resp: 358712

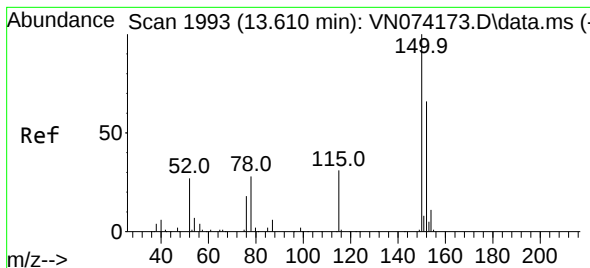
Ion Ratio Lower Upper

117 100

82 57.5 44.2 66.2

119 32.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.615 min Scan# 1994

Delta R.T. 0.005 min

Lab File: VN074187.D

Acq: 31 Aug 2022 00:33

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#06

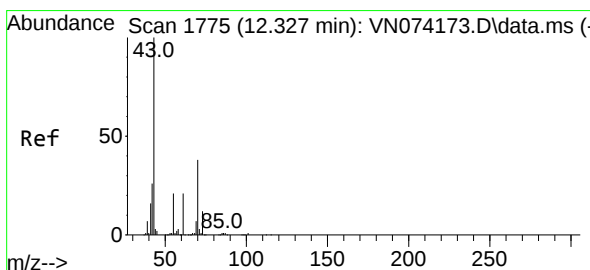
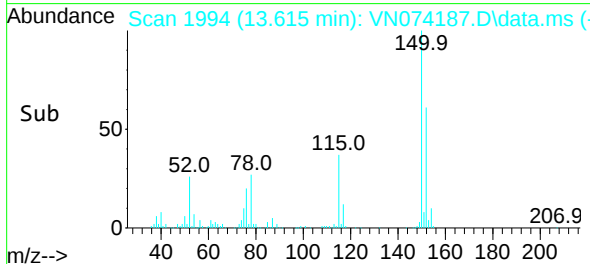
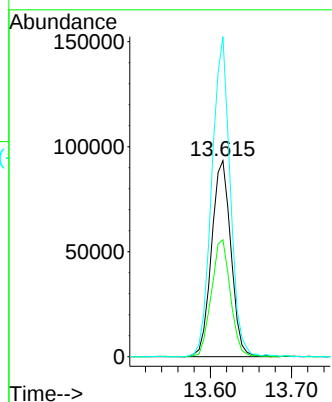
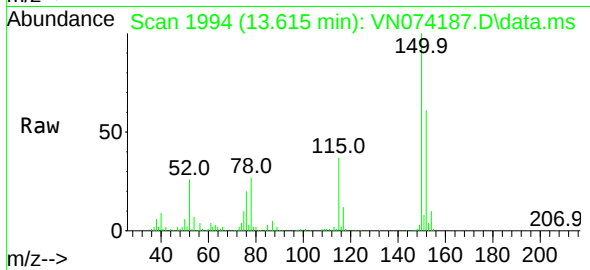
Tgt Ion:152 Resp: 154631

Ion Ratio Lower Upper

152 100

115 58.5 28.9 86.7

150 155.2 0.0 356.2



#74

N-ethyl acetate

Concen: 0.342 ug/l

RT: 12.310 min Scan# 1772

Delta R.T. -0.018 min

Lab File: VN074187.D

Acq: 31 Aug 2022 00:33

Tgt Ion: 43 Resp: 2562

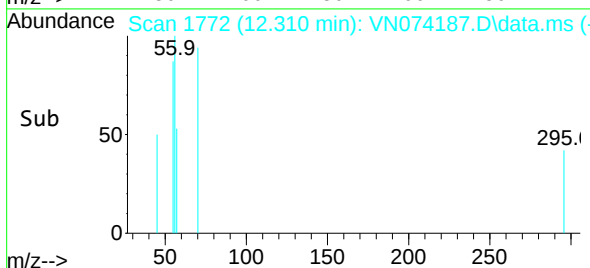
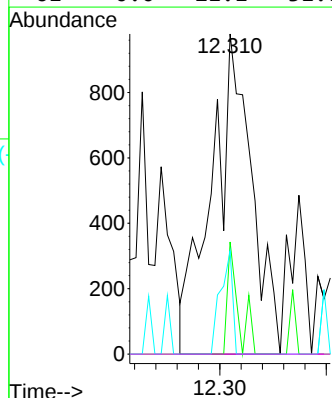
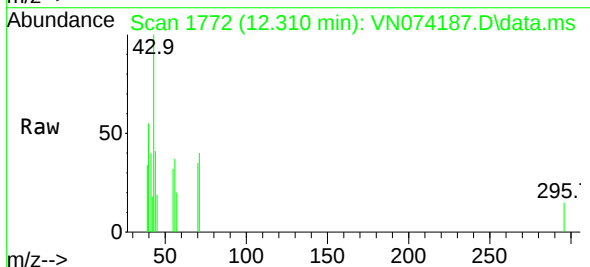
Ion Ratio Lower Upper

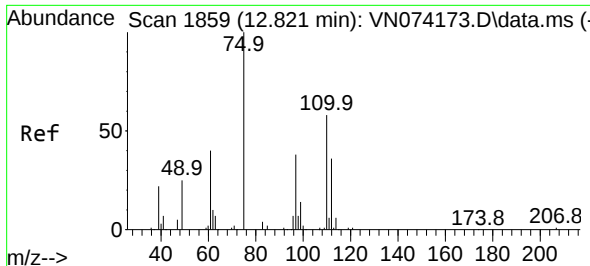
43 100

70 9.5 39.0 58.4#

55 9.7 21.1 31.7#

61 0.0 21.1 31.7#

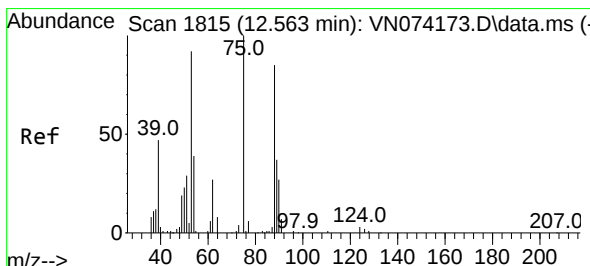
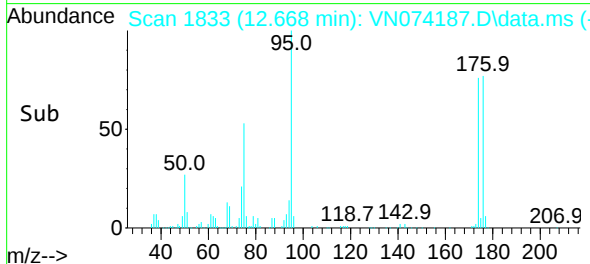
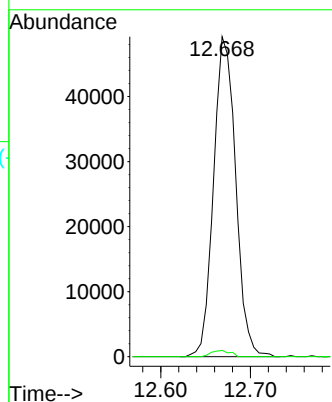
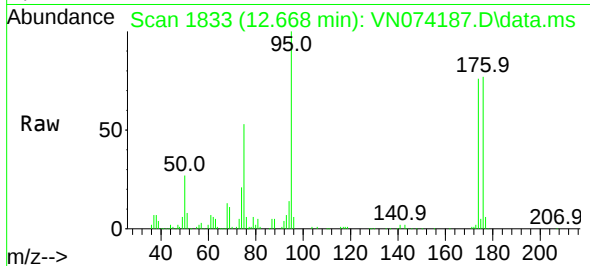




#76
1,2,3-Trichloropropane
Concen: 21.641 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

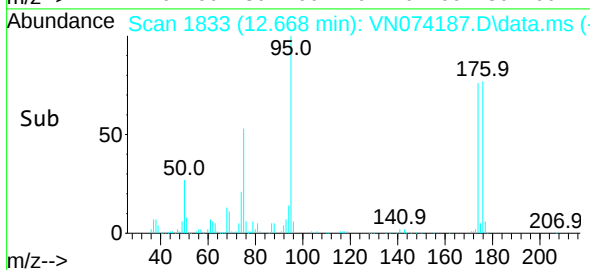
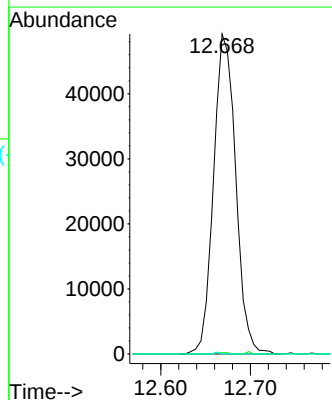
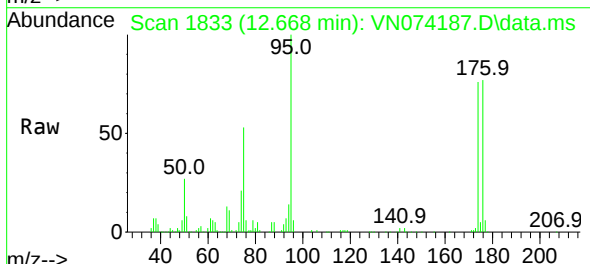
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#06

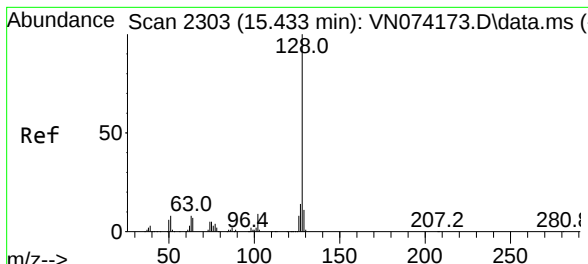
Tgt Ion: 75 Resp: 84207
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.525 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074187.D
Acq: 31 Aug 2022 00:33

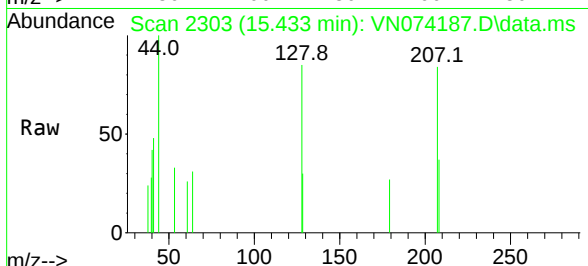
Tgt Ion: 75 Resp: 84207
Ion Ratio Lower Upper
75 100
53 0.3 78.0 117.0#
89 0.1 37.2 55.8#





#95
 Naphthalene
 Concen: 1.228 ug/l
 RT: 15.433 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN074187.D
 Acq: 31 Aug 2022 00:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147340ZHE#06



Tgt Ion:	128	Resp:	921
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

