

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
 Data File : VN074183.D
 Acq On : 30 Aug 2022 22:54
 Operator : JC\MD
 Sample : PB147340ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147340ZHE#02

Quant Time: Aug 31 07:05:32 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)

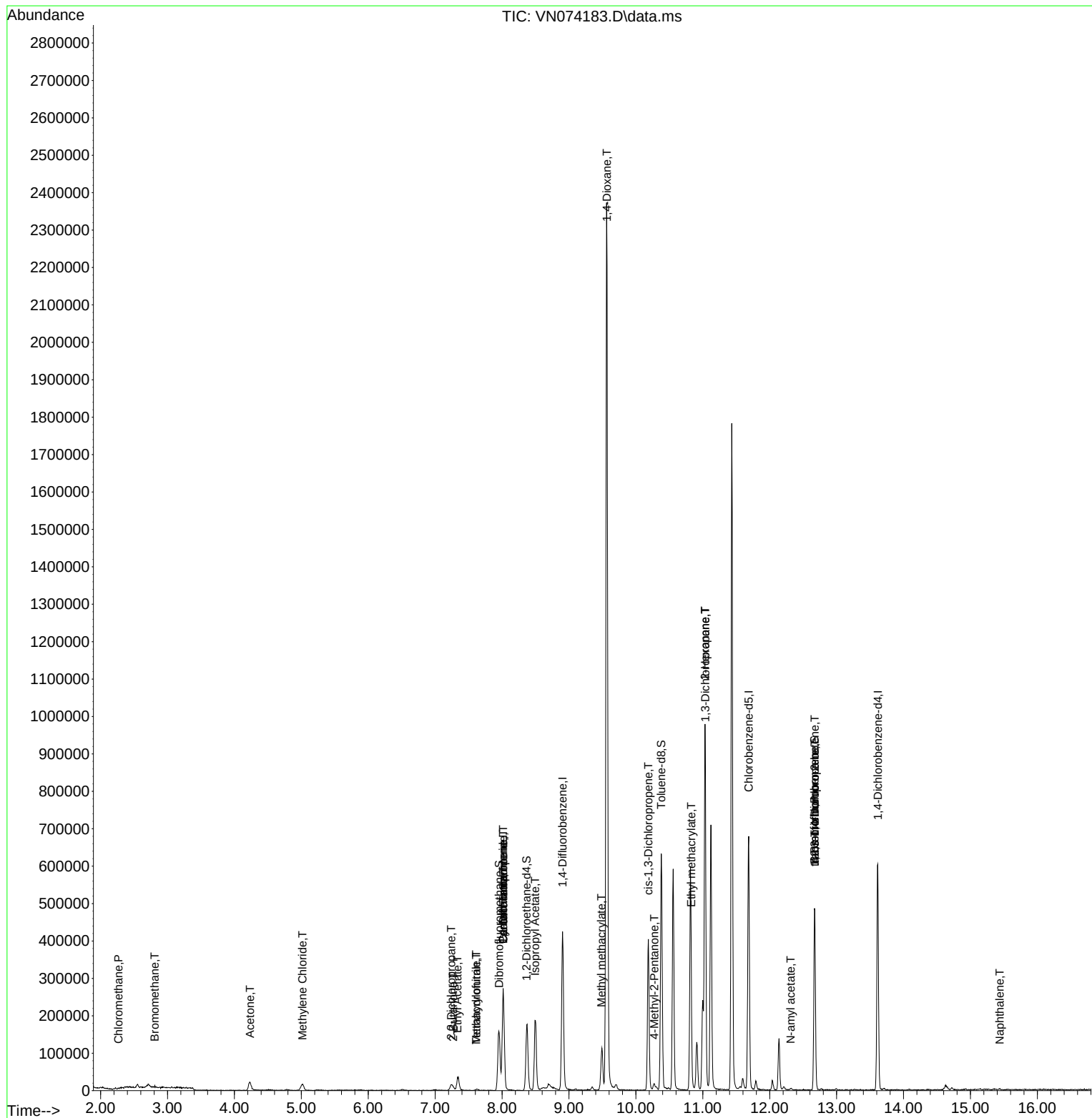
Internal Standards						
1) Pentafluorobenzene	8.016	168	186192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	345339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	363225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	147705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	136410	47.228	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.460%		
35) Dibromofluoromethane	7.957	113	116738	51.948	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.900%		
50) Toluene-d8	10.380	98	400239	45.226	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.460%		
62) 4-Bromofluorobenzene	12.668	95	154038	57.237	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.480%		
Target Compounds						Qvalue
3) Chloromethane	2.269	50	842	0.310	ug/l	91
5) Bromomethane	2.810	94	382	0.259	ug/l #	59
6) Chloroethane	2.934	64	367	Below Cal	#	22
11) Tert butyl alcohol	5.292	59	843	Below Cal	#	72
16) Acetone	4.234	43	41445	21.474	ug/l	94
18) Methyl Acetate	4.775	43	4676	Below Cal	#	69
20) Methylene Chloride	5.016	84	10868	2.086	ug/l #	86
25) 2-Butanone	7.269	43	10389	3.365	ug/l #	72
26) 2,2-Dichloropropane	7.239	77	1207	0.648	ug/l #	63
29) Tetrahydrofuran	7.616	42	2635	1.340	ug/l #	72
31) Cyclohexane	8.016	56	5809	1.217	ug/l #	27
36) 1,1-Dichloropropene	8.016	75	16698	4.580	ug/l #	51
37) Ethyl Acetate	7.333	43	56085	9.198	ug/l	96
38) Carbon Tetrachloride	8.016	117	21071	6.362	ug/l #	16
41) Methacrylonitrile	7.616	41	758	0.269	ug/l #	17
43) Isopropyl Acetate	8.492	43	227999	27.814	ug/l #	84
48) Methyl methacrylate	9.486	41	7638	1.962	ug/l #	39
49) 1,4-Dioxane	9.569	88	243	2.893	ug/l #	1
51) 4-Methyl-2-Pentanone	10.274	43	9999	1.681	ug/l	93
54) cis-1,3-Dichloropropene	10.186	75	64110	14.929	ug/l #	72
56) Ethyl methacrylate	10.827	69	2762	0.624	ug/l #	1
57) 1,3-Dichloropropane	11.039	76	9839	1.940	ug/l #	43
59) 2-Hexanone	11.033	43	147591	32.691	ug/l #	46
71) Bromoform	12.668	173	1749	0.711	ug/l #	28
74) N-amyl acetate	12.316	43	2178	0.304	ug/l #	48
76) 1,2,3-Trichloropropane	12.674	75	87756	23.811	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	87756	61.669	ug/l #	11
95) Naphthalene	15.439	128	1847	1.312	ug/l #	71

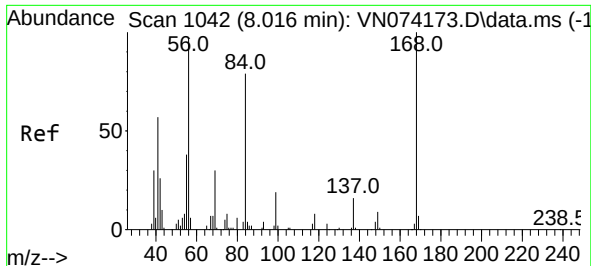
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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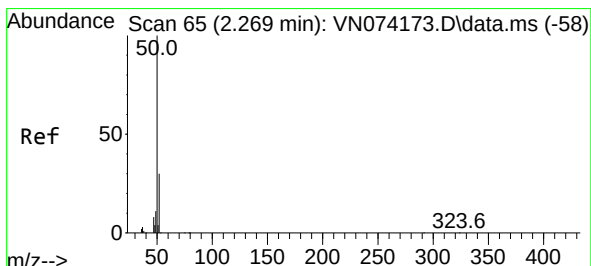
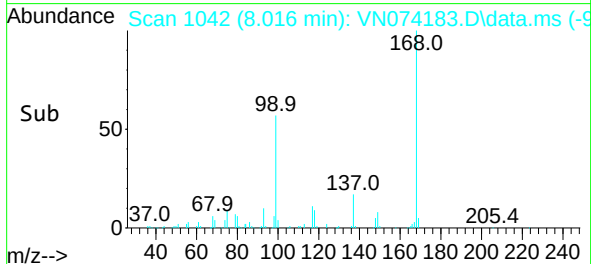
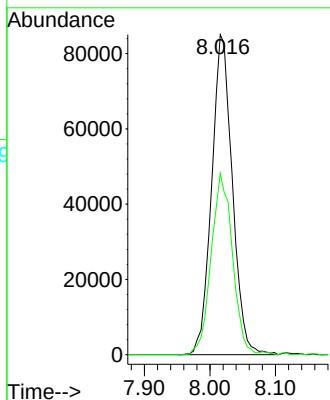
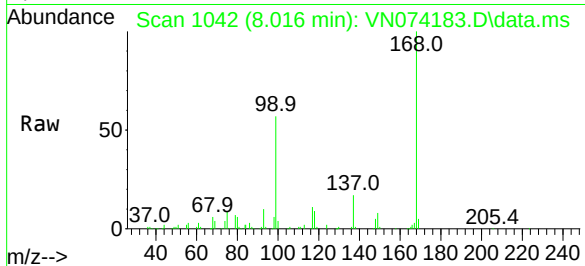




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

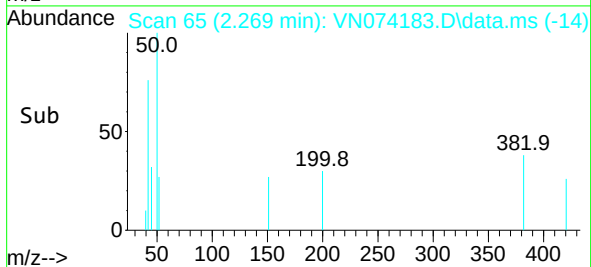
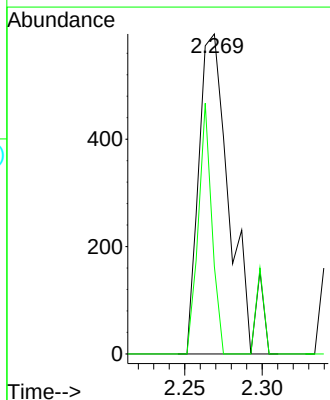
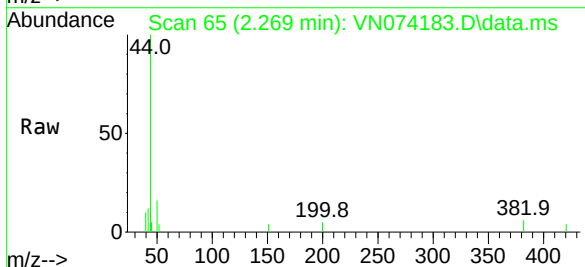
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#02

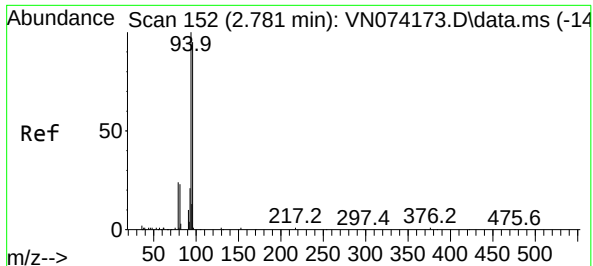
Tgt Ion:168 Resp: 186192
Ion Ratio Lower Upper
168 100
99 56.7 42.3 63.5



#3
Chloromethane
Concen: 0.310 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

Tgt Ion: 50 Resp: 842
Ion Ratio Lower Upper
50 100
52 27.3 25.7 38.5

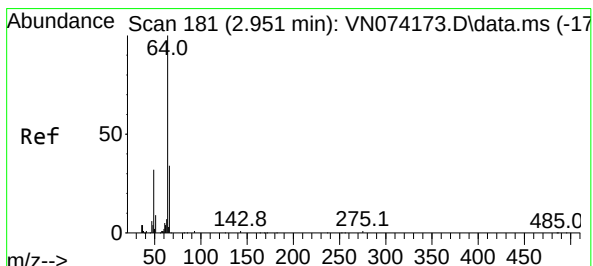
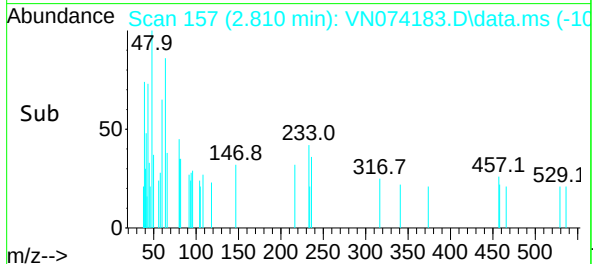
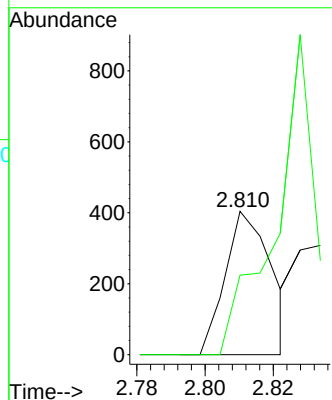
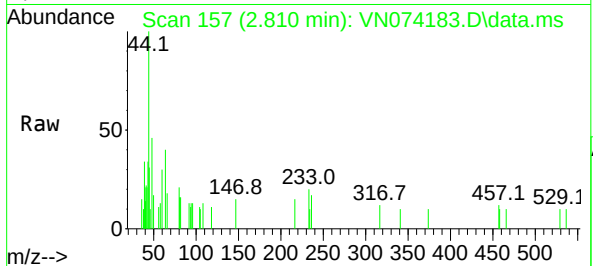




#5
Bromomethane
Concen: 0.259 ug/l
RT: 2.810 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

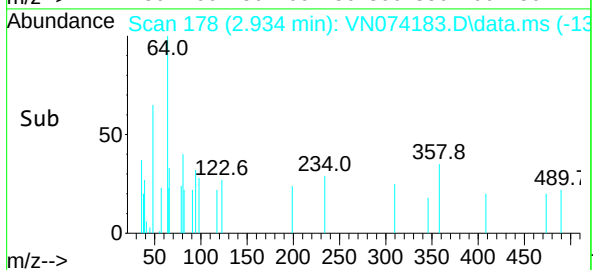
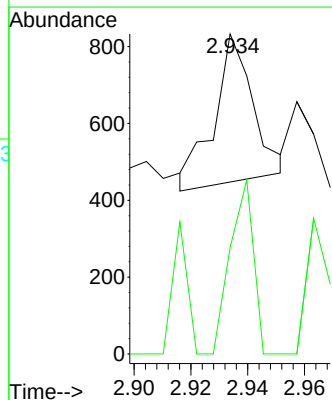
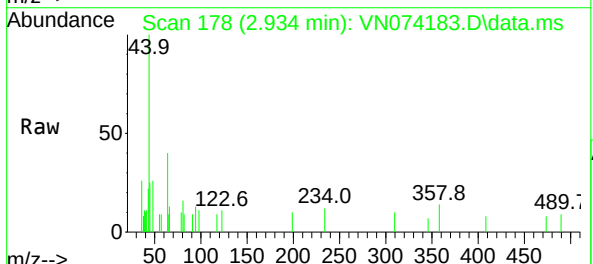
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#02

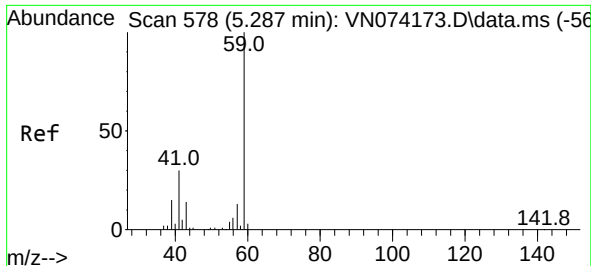
Tgt Ion: 94 Resp: 382
Ion Ratio Lower Upper
94 100
96 55.4 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.934 min Scan# 178
Delta R.T. -0.017 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

Tgt Ion: 64 Resp: 367
Ion Ratio Lower Upper
64 100
66 76.5 26.2 39.4#

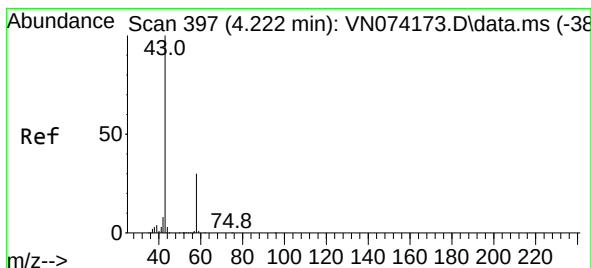
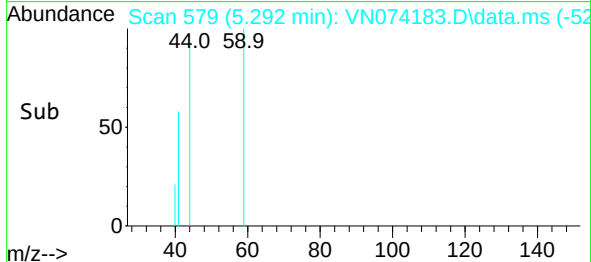
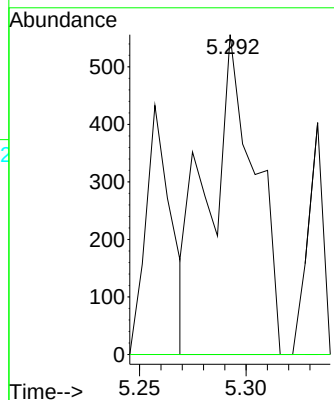
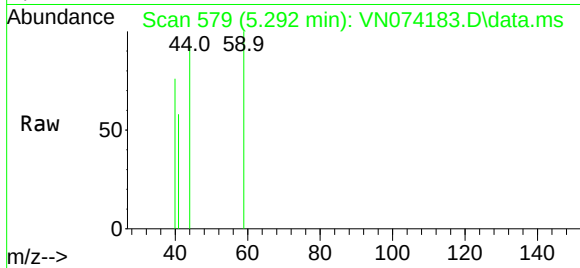




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.292 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

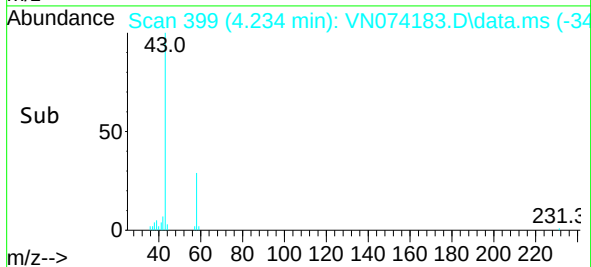
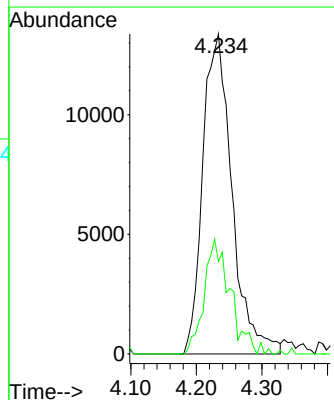
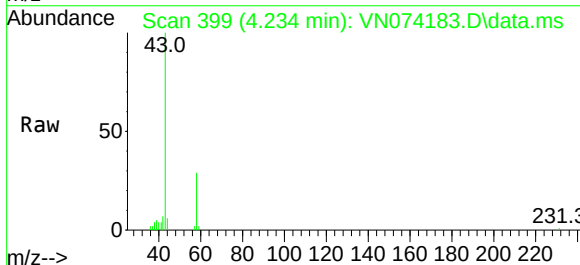
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#02

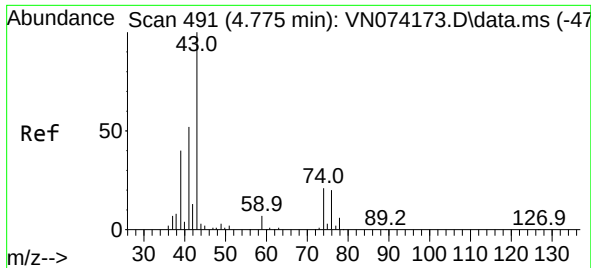
Tgt Ion: 59 Resp: 843
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 21.474 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

Tgt Ion: 43 Resp: 41445
Ion Ratio Lower Upper
43 100
58 28.9 26.0 39.0

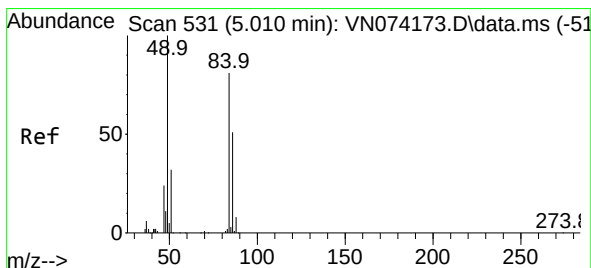
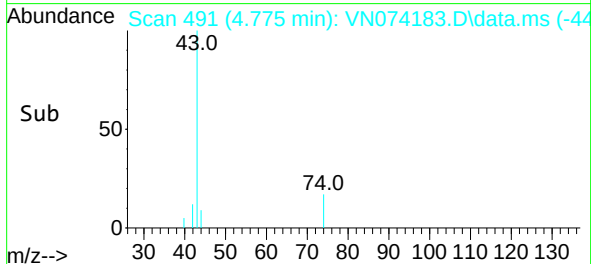
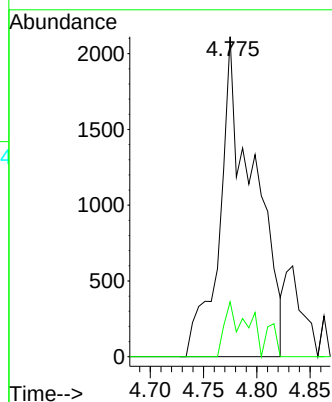
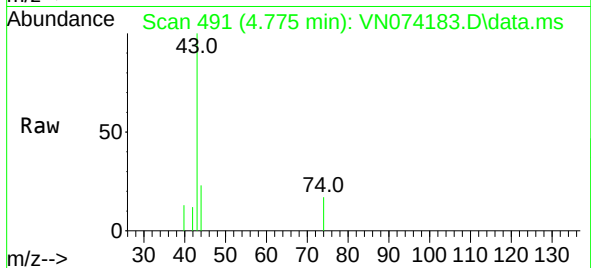




#18
Methyl Acetate
Concen: Below Cal
RT: 4.775 min Scan# 491
Delta R.T. -0.000 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

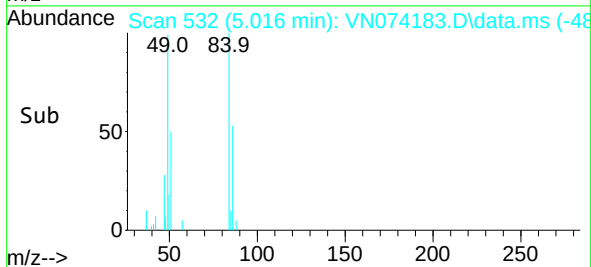
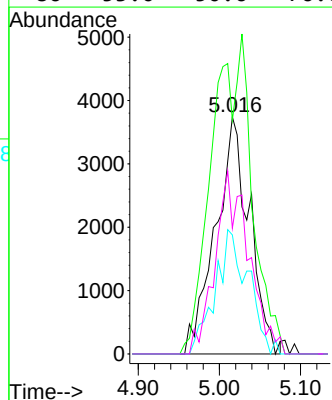
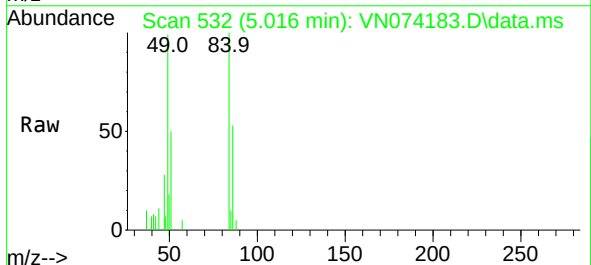
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#02

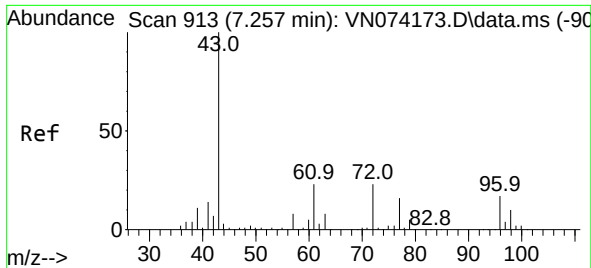
Tgt Ion: 43 Resp: 4676
Ion Ratio Lower Upper
43 100
74 11.1 21.6 32.4#



#20
Methylene Chloride
Concen: 2.086 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

Tgt Ion: 84 Resp: 10868
Ion Ratio Lower Upper
84 100
49 98.7 88.3 132.5
51 50.2 28.2 42.2#
86 53.0 50.6 76.0

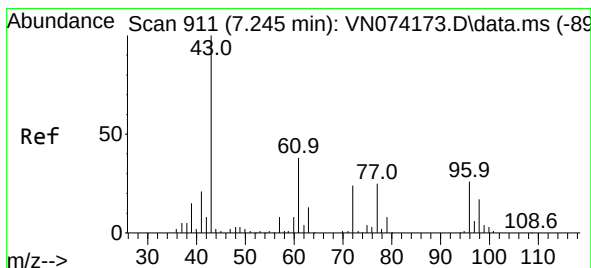
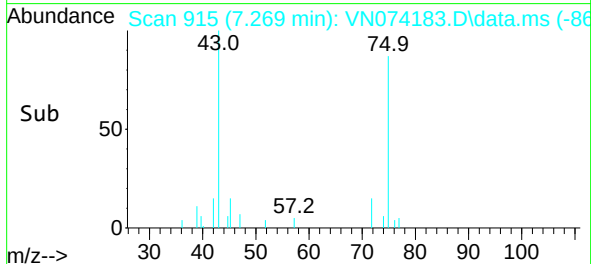
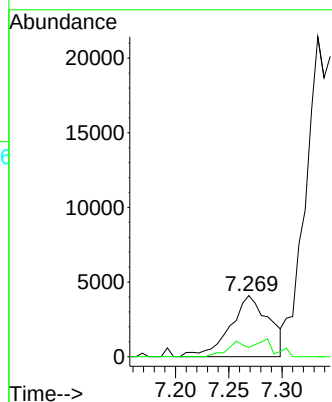
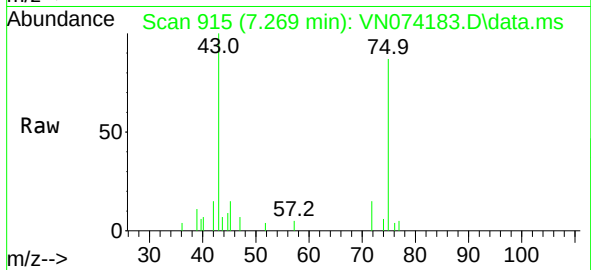




#25
2-Butanone
Concen: 3.365 ug/l
RT: 7.269 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

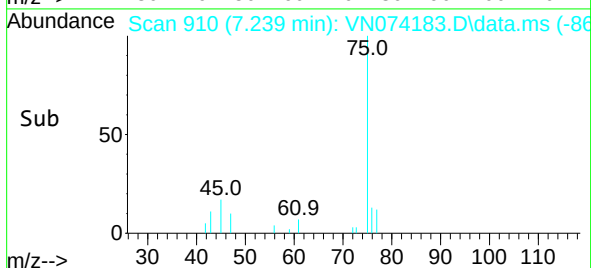
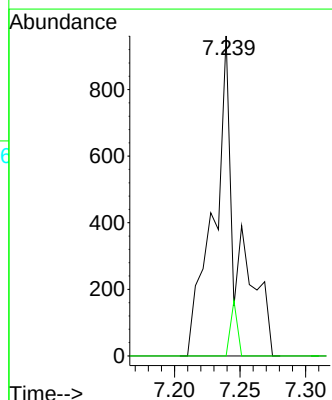
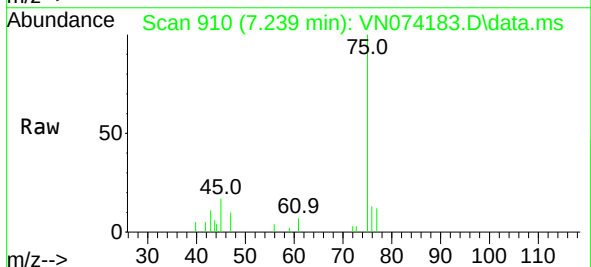
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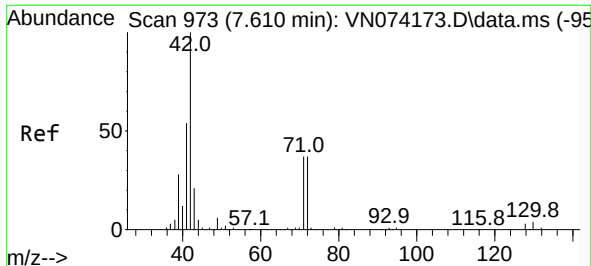
Tgt Ion: 43 Resp: 10389
Ion Ratio Lower Upper
43 100
72 14.3 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.648 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.006 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

Tgt Ion: 77 Resp: 1207
Ion Ratio Lower Upper
77 100
97 4.9 11.4 34.2#





#29

Tetrahydrofuran

Concen: 1.340 ug/l

RT: 7.616 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN074183.D

Acq: 30 Aug 2022 22:54

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#02

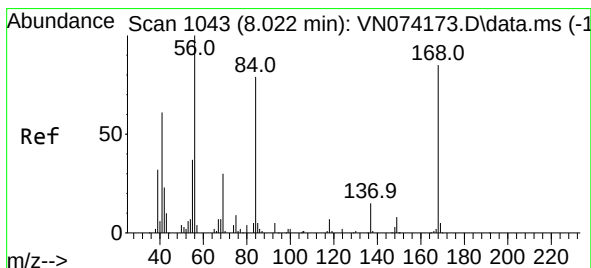
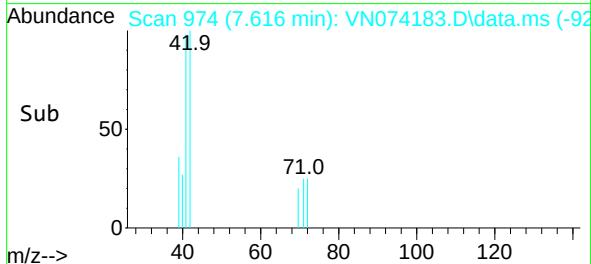
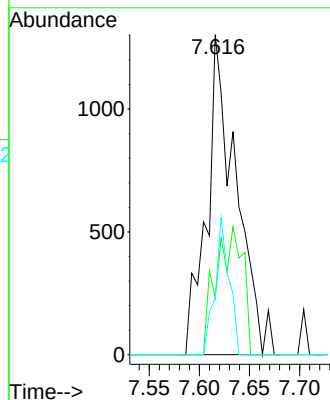
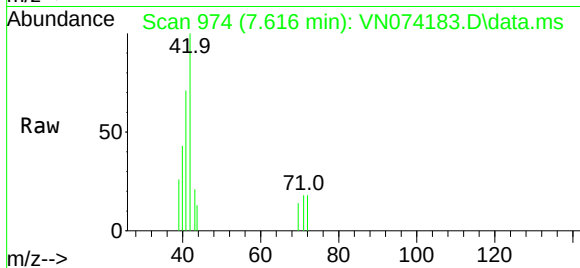
Tgt Ion: 42 Resp: 2635

Ion Ratio Lower Upper

42 100

72 36.4 39.7 59.5#

71 20.7 36.6 55.0#



#31

Cyclohexane

Concen: 1.217 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN074183.D

Acq: 30 Aug 2022 22:54

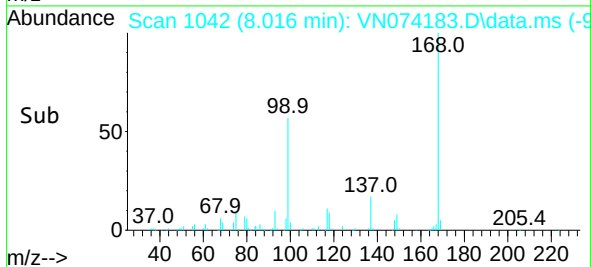
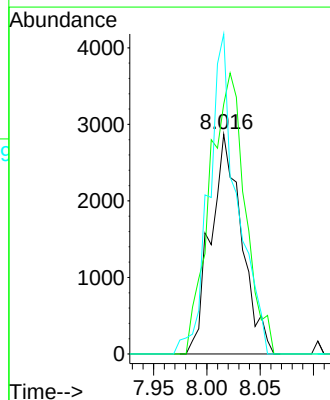
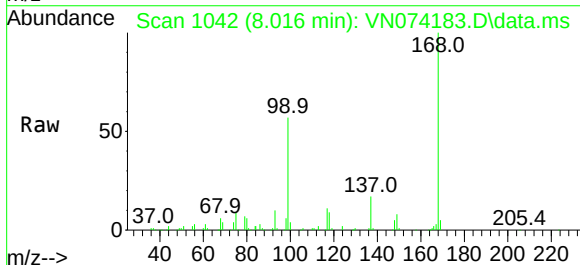
Tgt Ion: 56 Resp: 5809

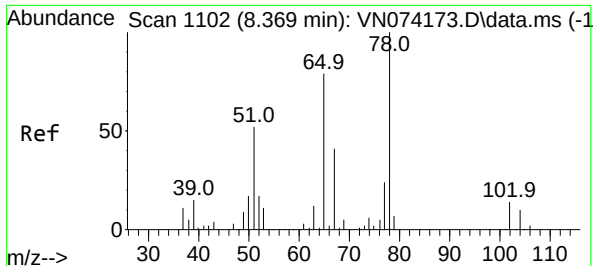
Ion Ratio Lower Upper

56 100

69 113.7 27.8 41.8#

84 145.7 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.228 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074183.D

Acq: 30 Aug 2022 22:54

Instrument :

MSVOA_N

ClientSampleId :

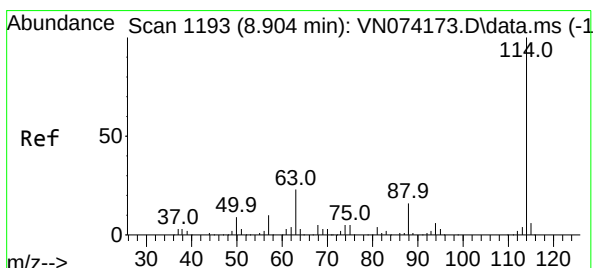
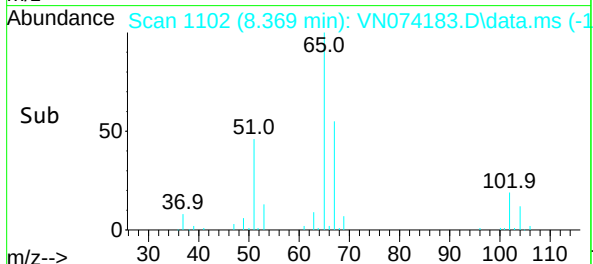
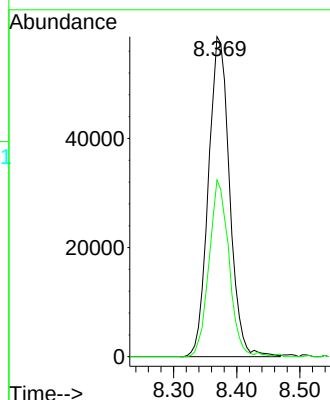
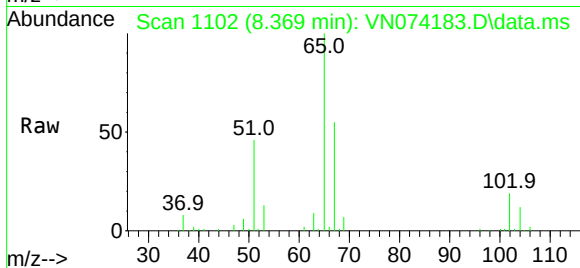
PB147340ZHE#02

Tgt Ion: 65 Resp: 136410

Ion Ratio Lower Upper

65 100

67 51.7 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: VN074183.D

Acq: 30 Aug 2022 22:54

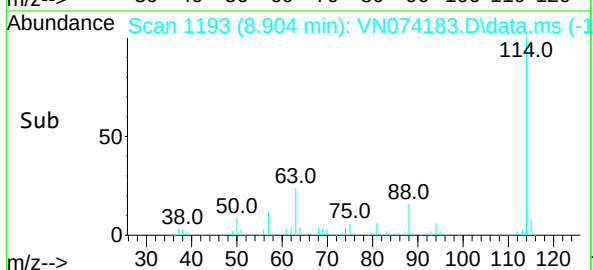
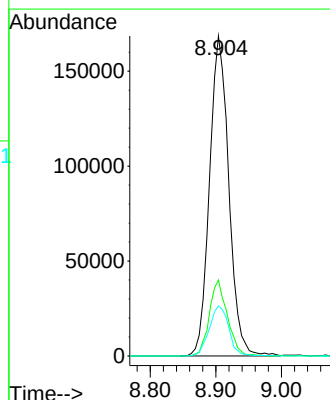
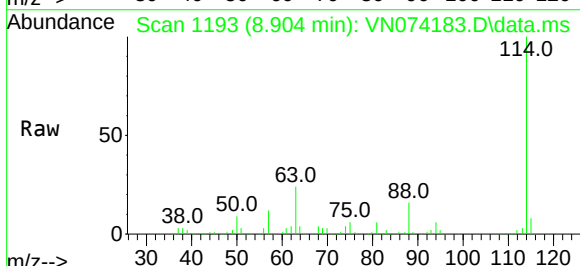
Tgt Ion: 114 Resp: 345339

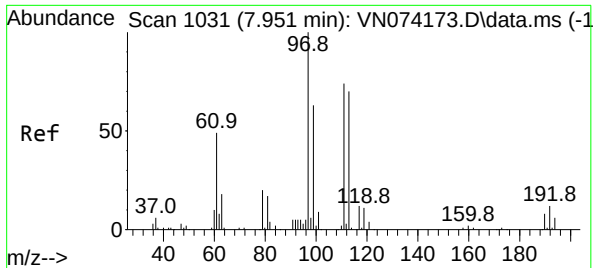
Ion Ratio Lower Upper

114 100

63 23.7 0.0 40.0

88 15.6 0.0 32.6

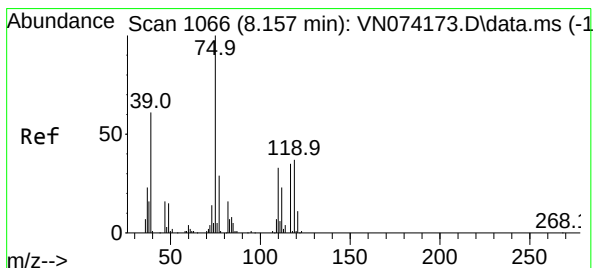
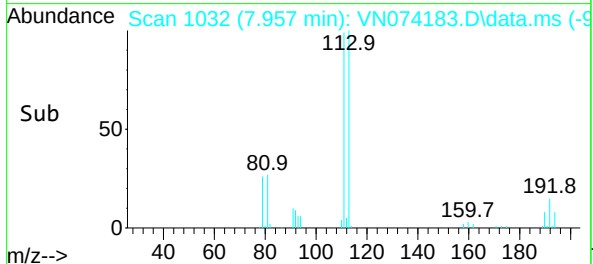
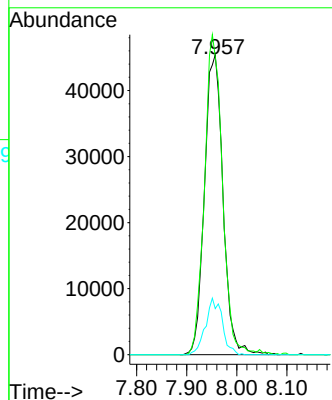
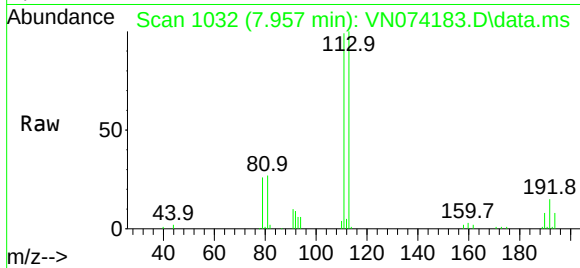




#35
Dibromofluoromethane
Concen: 51.948 ug/l
RT: 7.957 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

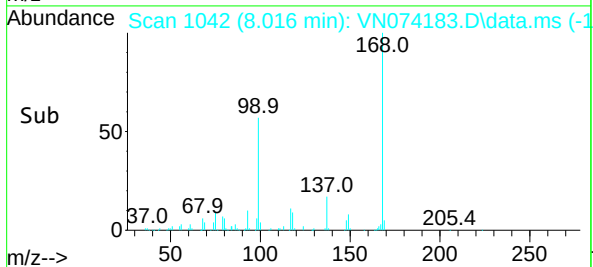
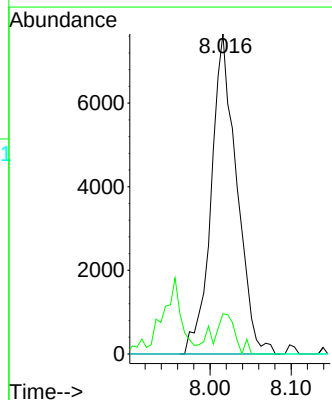
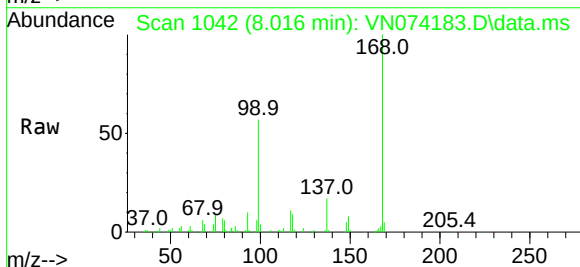
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#02

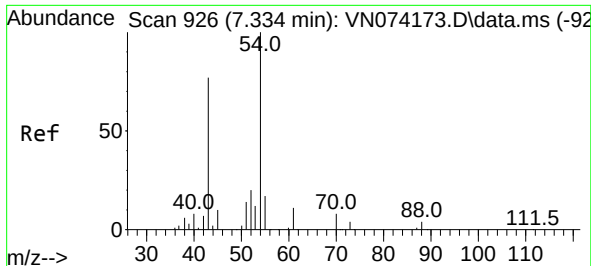
Tgt Ion:113 Resp: 116738
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 17.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.580 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.141 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

Tgt Ion: 75 Resp: 16698
Ion Ratio Lower Upper
75 100
110 11.3 18.3 54.8#
77 0.0 25.1 37.7#

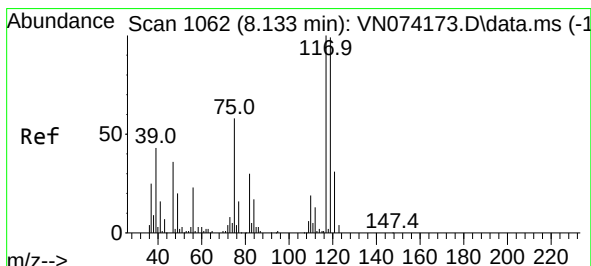
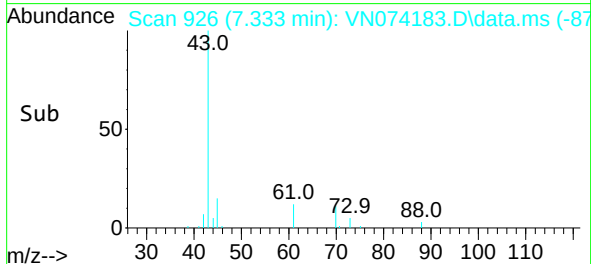
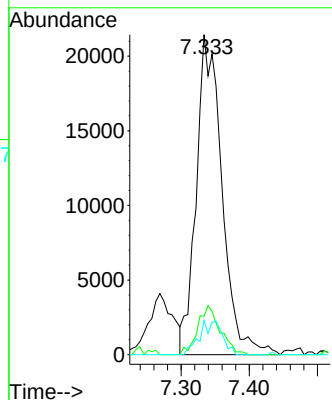
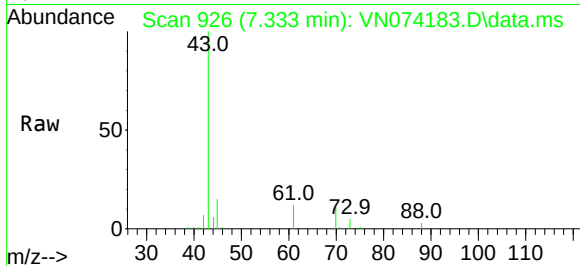




#37
Ethyl Acetate
Concen: 9.198 ug/l
RT: 7.333 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

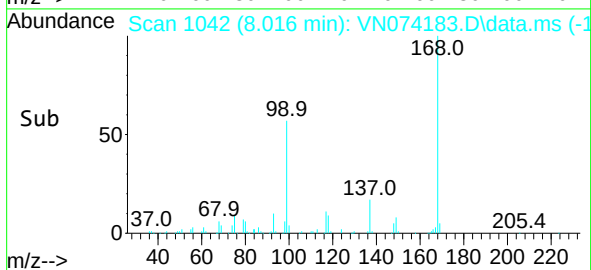
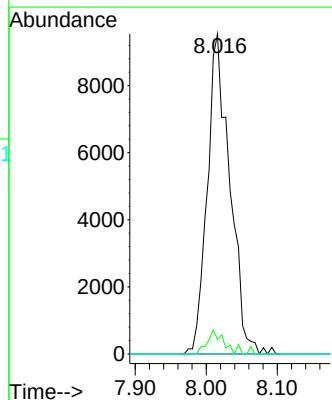
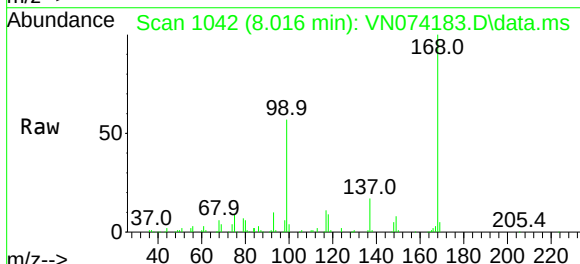
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#02

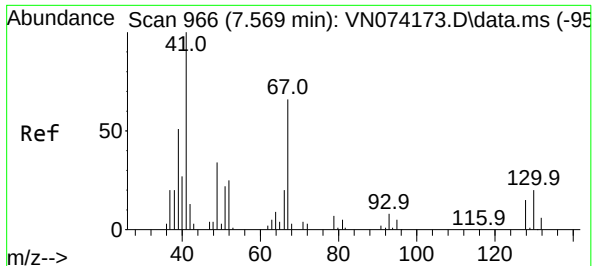
Tgt Ion: 43 Resp: 56085
Ion Ratio Lower Upper
43 100
61 13.4 11.8 17.6
70 9.4 9.3 13.9



#38
Carbon Tetrachloride
Concen: 6.362 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

Tgt Ion: 117 Resp: 21071
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 24.6 37.0#

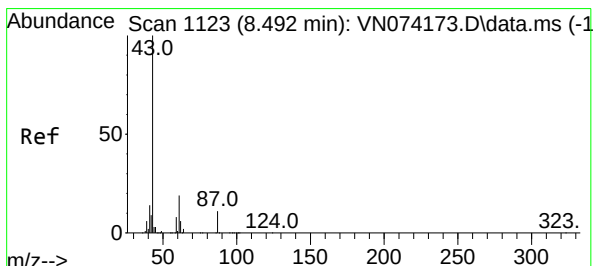
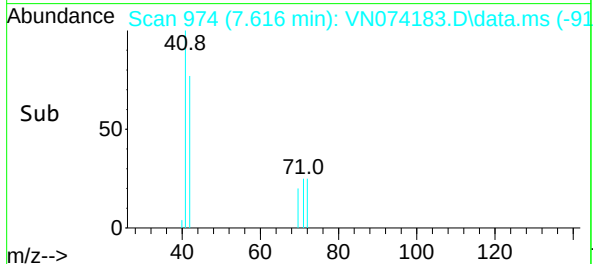
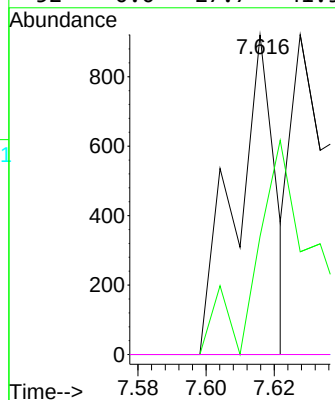
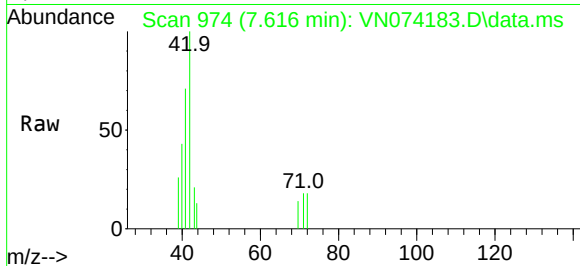




#41
Methacrylonitrile
Concen: 0.269 ug/l
RT: 7.616 min Scan# 91
Delta R.T. 0.047 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

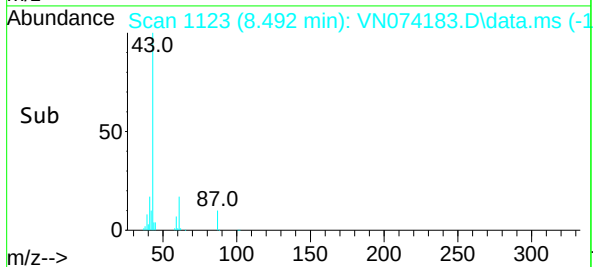
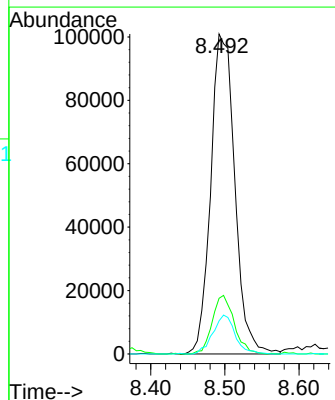
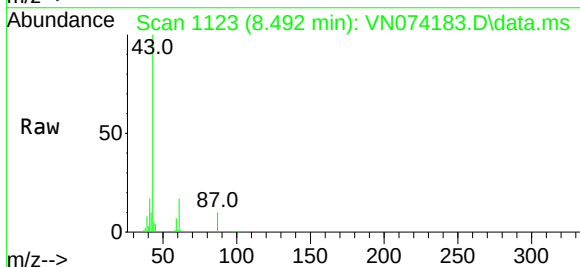
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#02

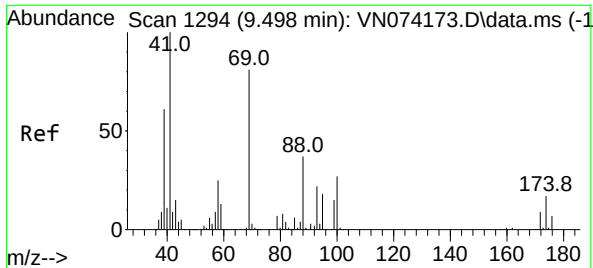
Tgt Ion: 41	Resp: 758
Ion Ratio	Lower Upper
41 100	
39 119.5	48.6 73.0#
67 0.0	73.4 110.2#
52 0.0	27.7 41.5#



#43
Isopropyl Acetate
Concen: 27.814 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

Tgt Ion: 43	Resp: 227999
Ion Ratio	Lower Upper
43 100	
61 16.7	21.9 32.9#
87 11.2	12.0 18.0#

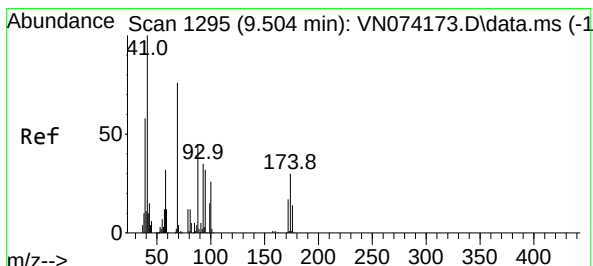
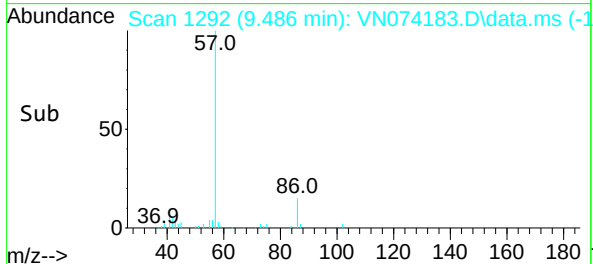
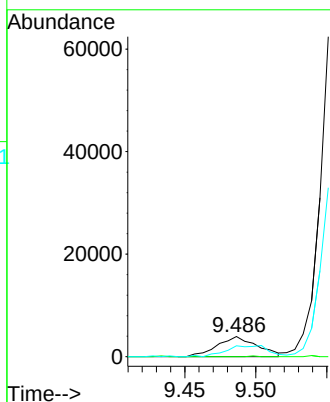
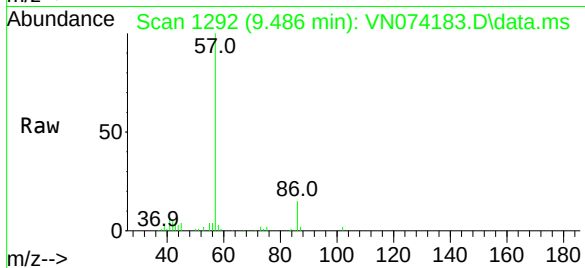




#48
Methyl methacrylate
Concen: 1.962 ug/l
RT: 9.486 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

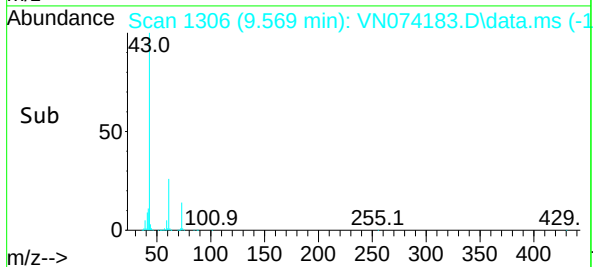
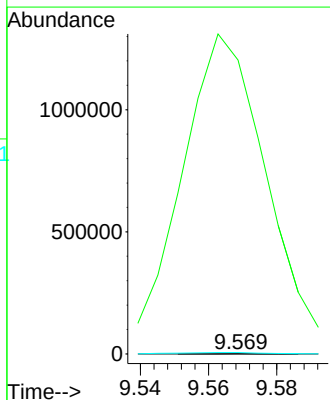
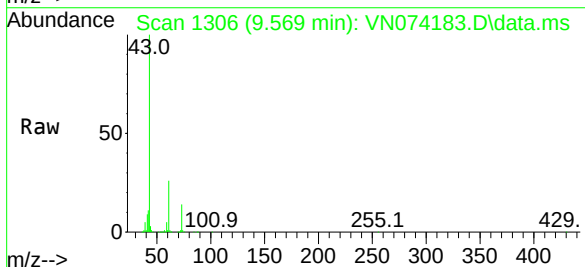
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#02

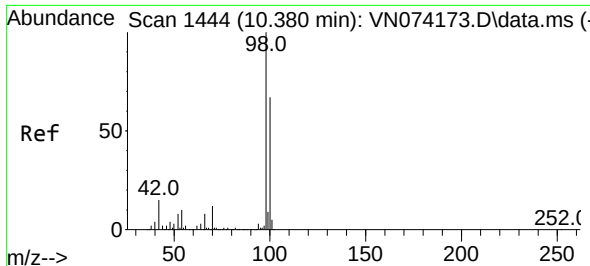
Tgt Ion: 41 Resp: 7638
Ion Ratio Lower Upper
41 100
69 0.7 74.7 112.1#
39 58.8 45.6 68.4



#49
1,4-Dioxane
Concen: 2.893 ug/l
RT: 9.569 min Scan# 1306
Delta R.T. 0.065 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

Tgt Ion: 88 Resp: 243
Ion Ratio Lower Upper
88 100
43 962269.5 20.2 30.4#
58 4482.3 54.2 81.4#

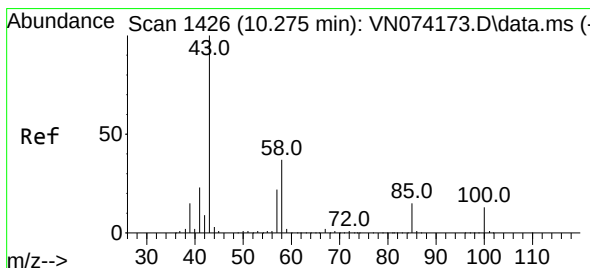
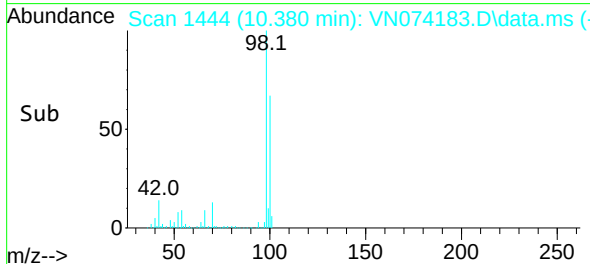
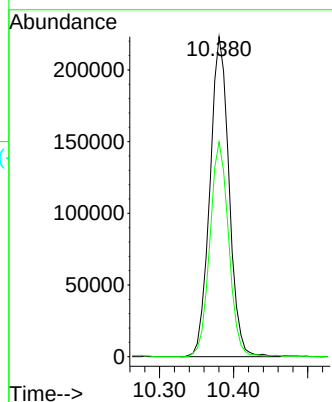
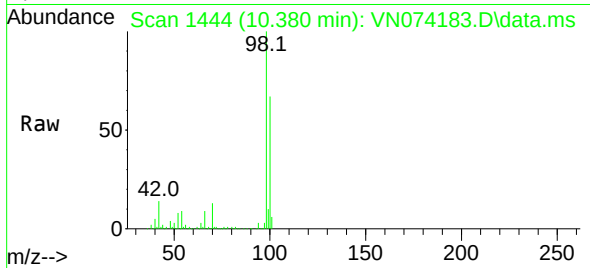




#50
Toluene-d8
Concen: 45.226 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

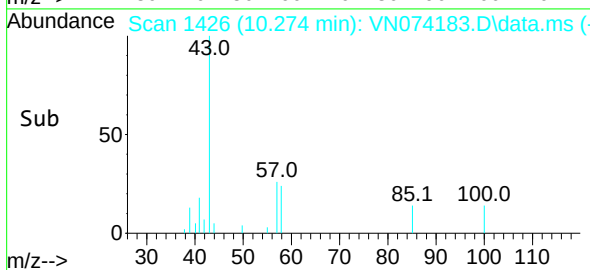
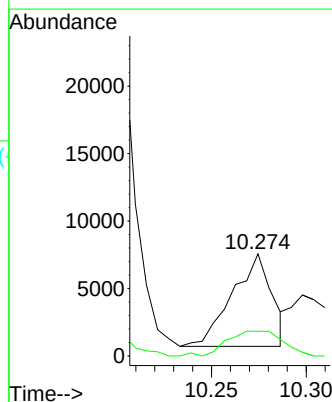
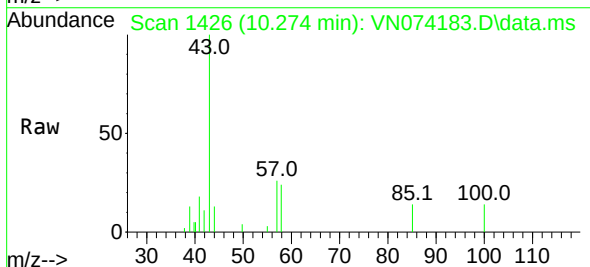
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#02

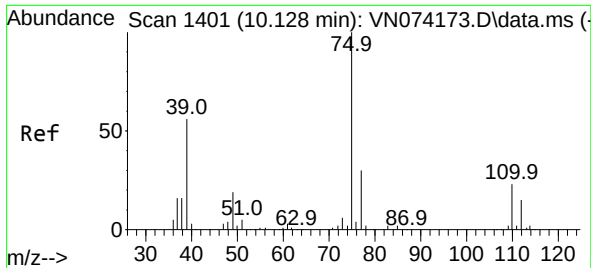
Tgt Ion: 98 Resp: 400239
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.681 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

Tgt Ion: 43 Resp: 9999
Ion Ratio Lower Upper
43 100
58 37.9 34.1 51.1

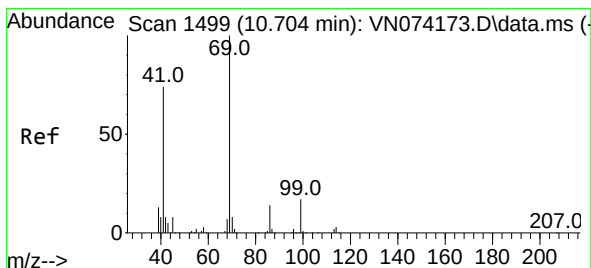
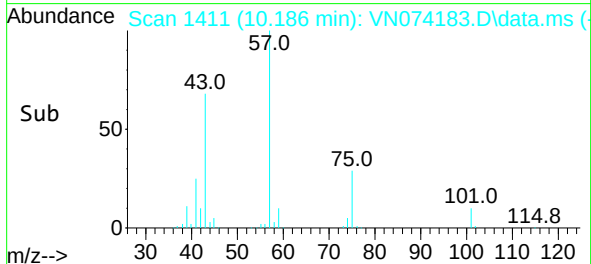
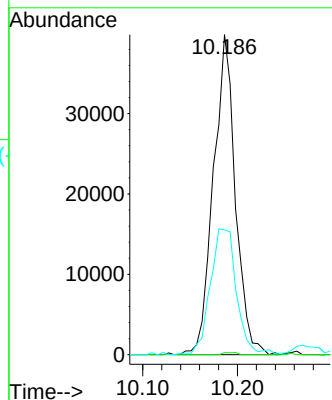
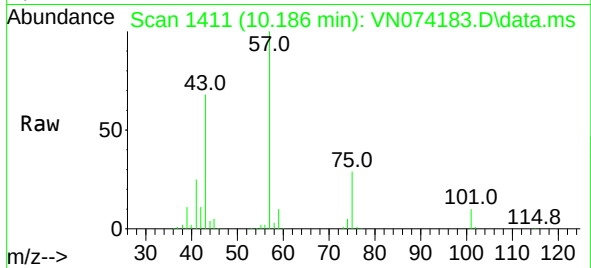




#54
 cis-1,3-Dichloropropene
 Concen: 14.929 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.059 min
 Lab File: VN074183.D
 Acq: 30 Aug 2022 22:54

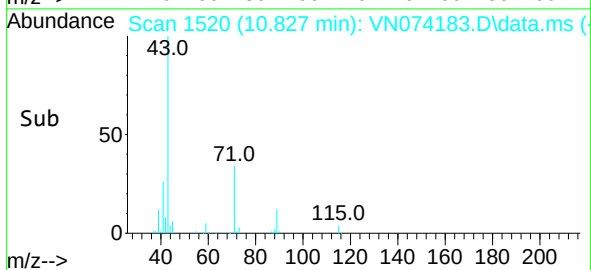
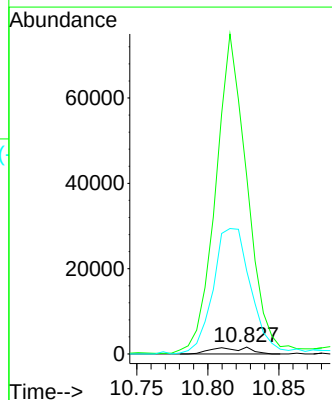
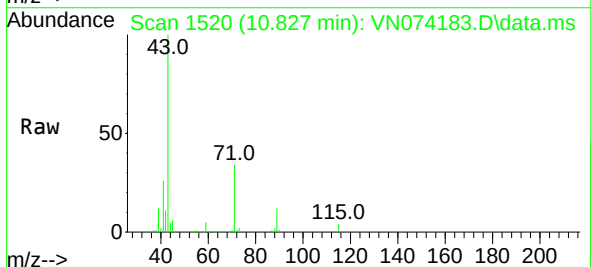
Instrument :
 MSVOA_N
 ClientSampleId :
 PB147340ZHE#02

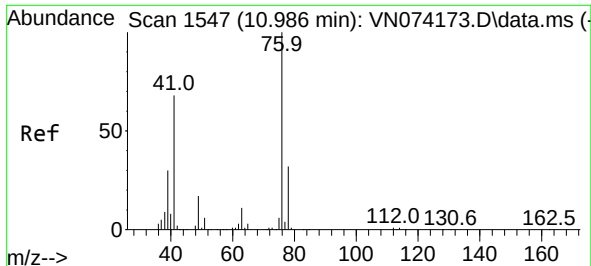
Tgt Ion: 75 Resp: 64110
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 38.6 35.7 53.5



#56
 Ethyl methacrylate
 Concen: 0.624 ug/l
 RT: 10.827 min Scan# 1520
 Delta R.T. 0.123 min
 Lab File: VN074183.D
 Acq: 30 Aug 2022 22:54

Tgt Ion: 69 Resp: 2762
 Ion Ratio Lower Upper
 69 100
 41 4191.1 47.8 71.6#
 39 1986.1 27.3 40.9#





#57

1,3-Dichloropropane

Concen: 1.940 ug/l

RT: 11.039 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN074183.D

Acq: 30 Aug 2022 22:54

Instrument :

MSVOA_N

ClientSampleId :

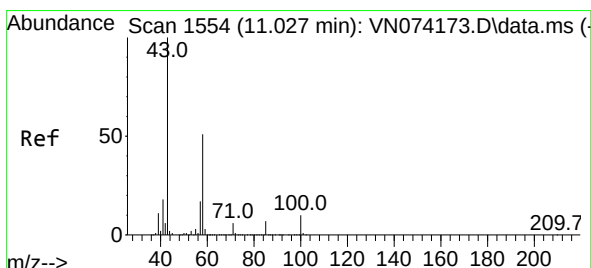
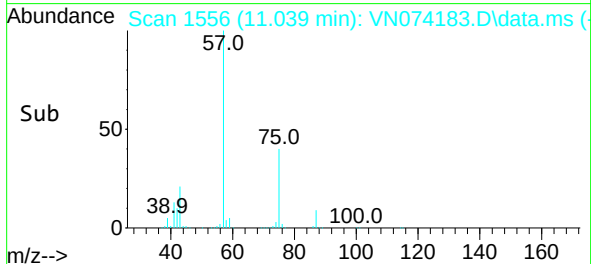
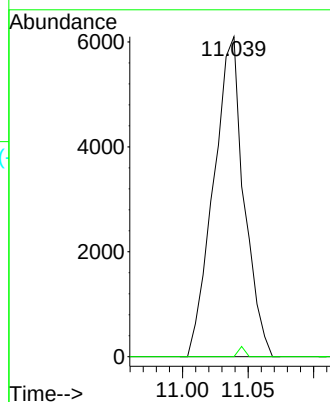
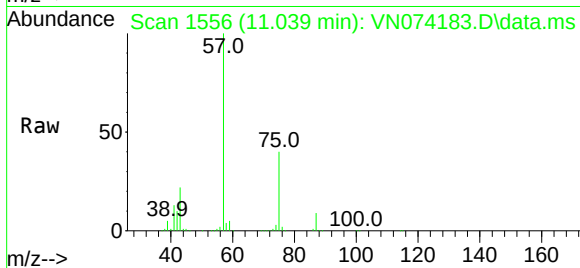
PB147340ZHE#02

Tgt Ion: 76 Resp: 9839

Ion Ratio Lower Upper

76 100

78 0.7 26.2 39.2#



#59

2-Hexanone

Concen: 32.691 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN074183.D

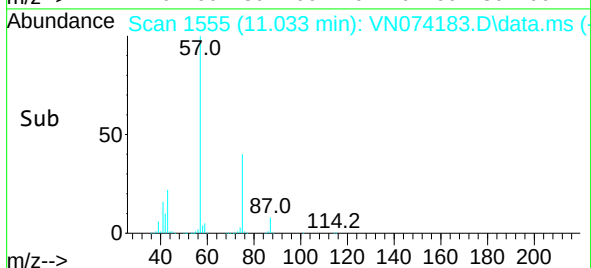
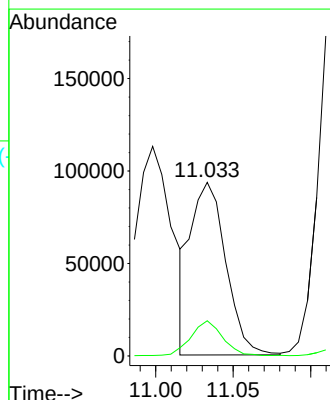
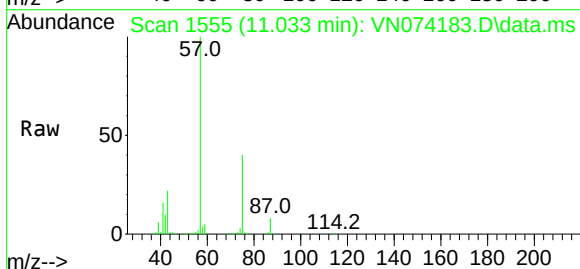
Acq: 30 Aug 2022 22:54

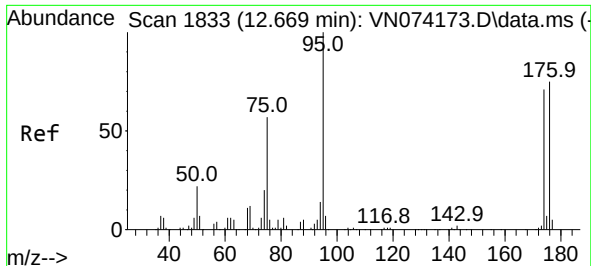
Tgt Ion: 43 Resp: 147591

Ion Ratio Lower Upper

43 100

58 18.9 29.7 89.1#

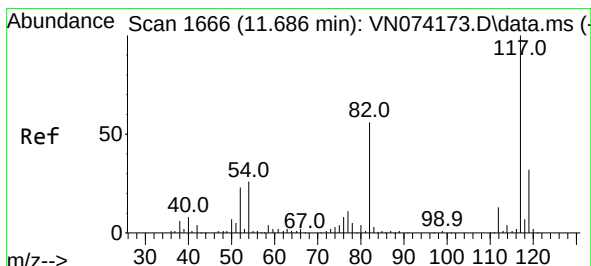
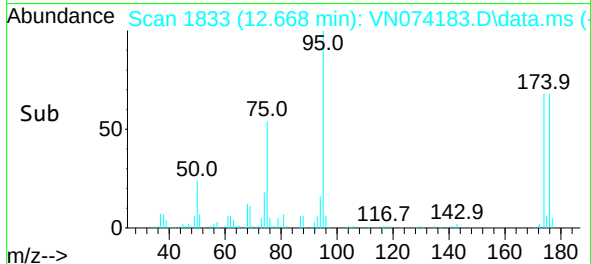
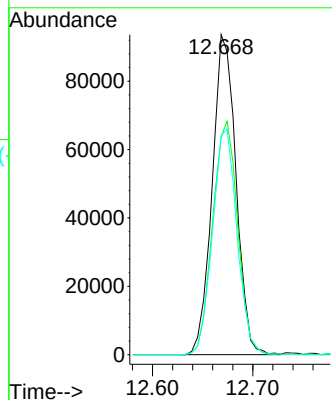
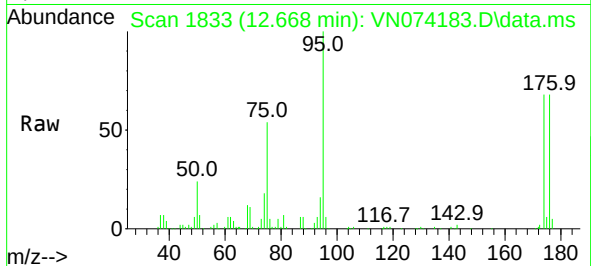




#62
4-Bromofluorobenzene
Concen: 57.237 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

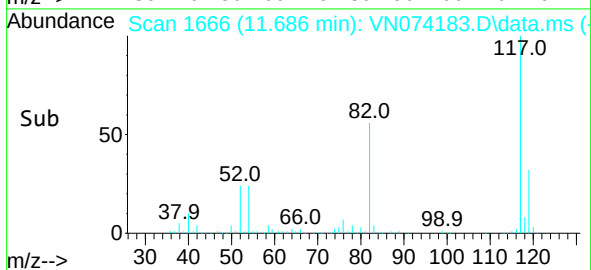
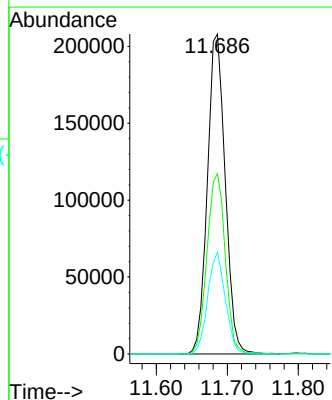
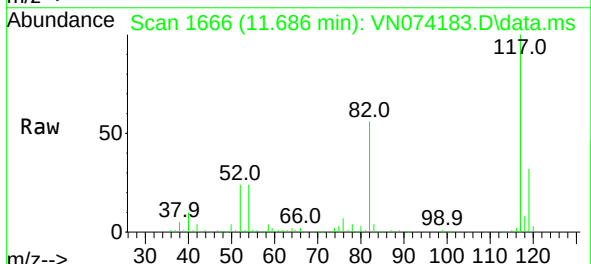
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#02

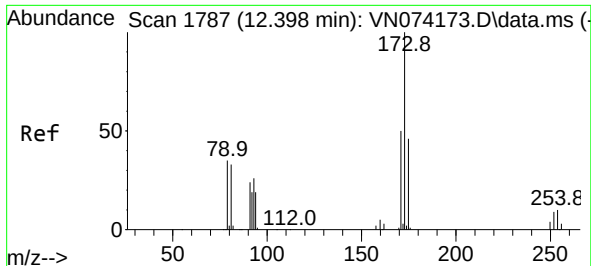
Tgt Ion: 95 Resp: 154038
Ion Ratio Lower Upper
95 100
174 76.6 0.0 167.6
176 72.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

Tgt Ion: 117 Resp: 363225
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.2
119 31.8 25.4 38.0

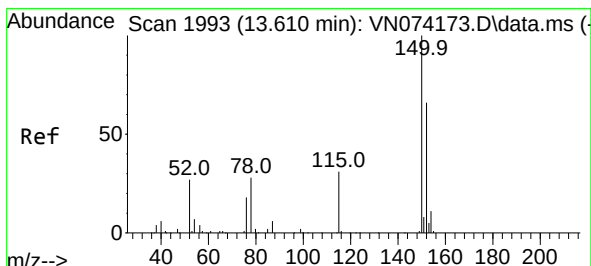
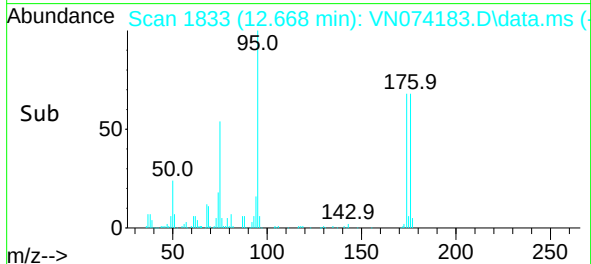
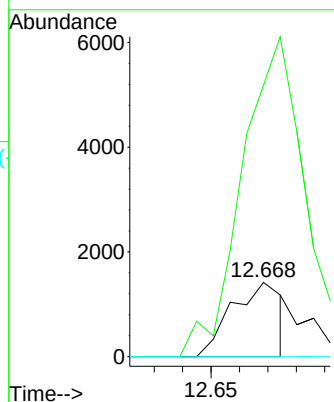
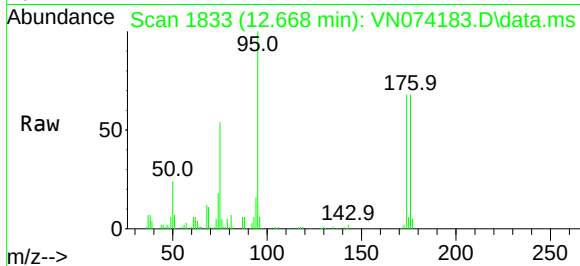




#71
Bromoform
Concen: 0.711 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

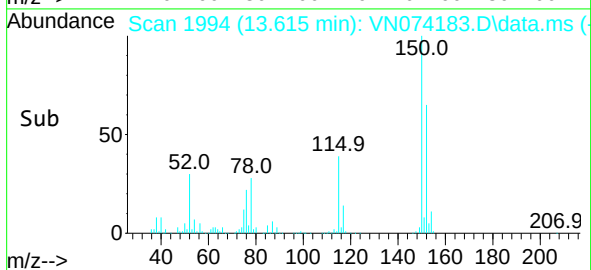
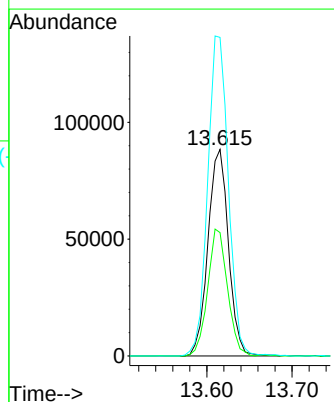
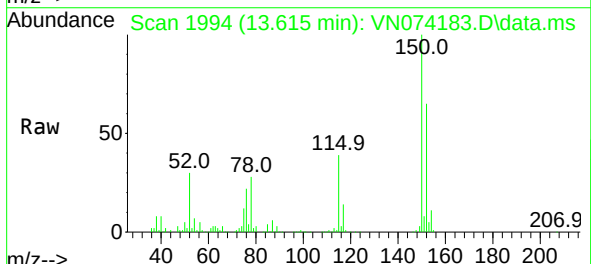
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#02

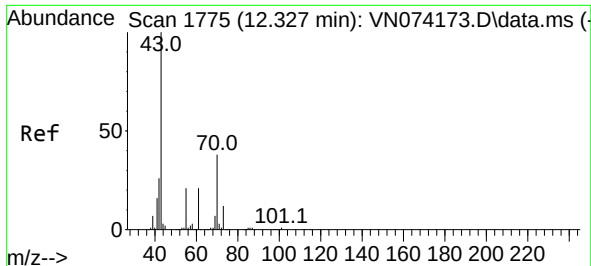
Tgt Ion:173 Resp: 1749
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

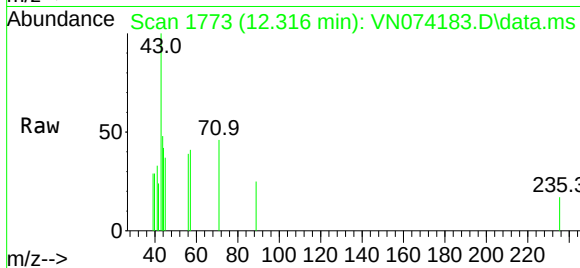
Tgt Ion:152 Resp: 147705
Ion Ratio Lower Upper
152 100
115 59.4 28.9 86.7
150 156.5 0.0 356.2



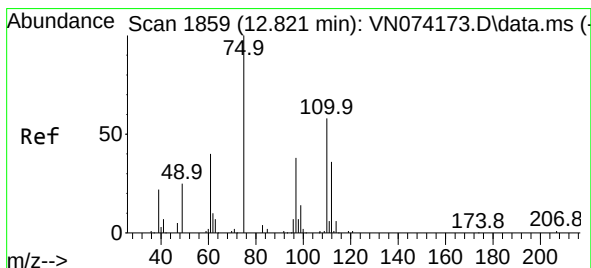
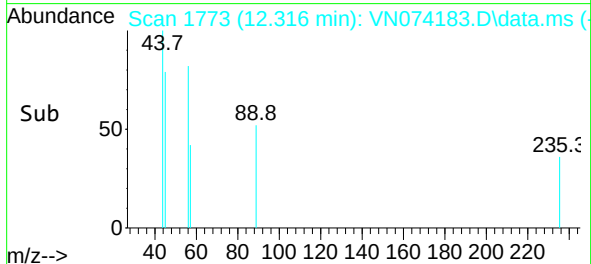
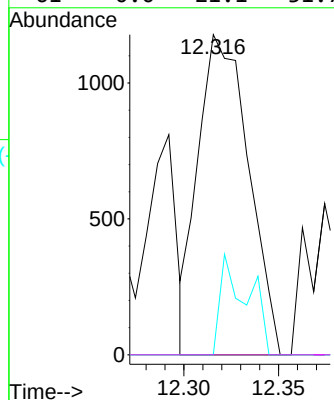


#74
N-amy1 acetate
Concen: 0.304 ug/l
RT: 12.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#02

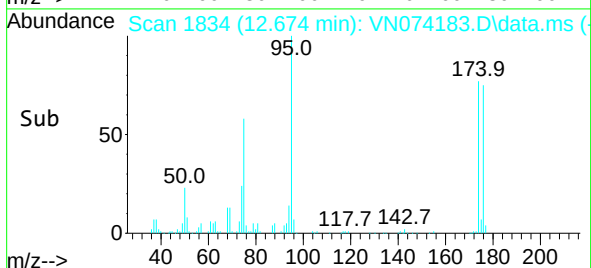
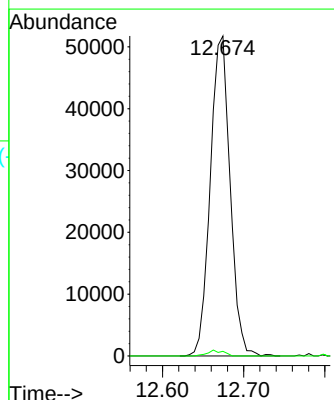
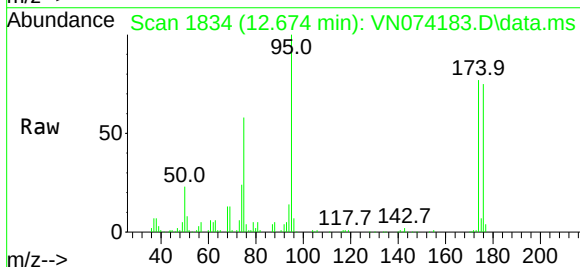


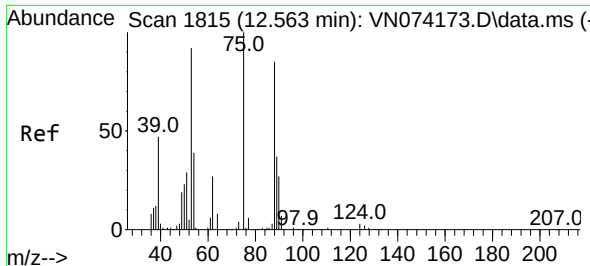
Tgt Ion:	43	Resp:	2178
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	17.0	21.1	31.7#
61	0.0	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 23.811 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

Tgt Ion:	75	Resp:	87756
Ion	Ratio	Lower	Upper
75	100		
77	1.4	98.5	295.5#

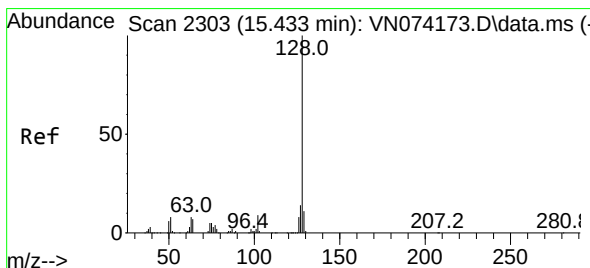
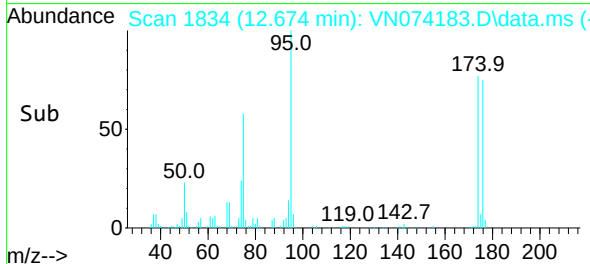
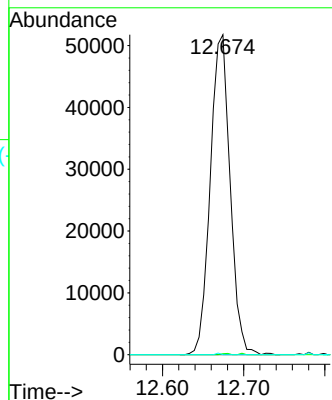
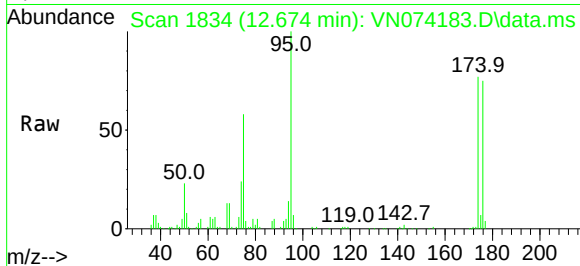




#81
trans-1,4-Dichloro-2-butene
Concen: 61.669 ug/l
RT: 12.674 min Scan# 1815
Delta R.T. 0.112 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#02

Tgt Ion: 75 Resp: 87756
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#



#95
Naphthalene
Concen: 1.312 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN074183.D
Acq: 30 Aug 2022 22:54

Tgt Ion: 128 Resp: 1847
Ion Ratio Lower Upper
128 100
127 24.4 10.3 15.5#
129 0.0 8.6 13.0#

