

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
 Data File : VN074186.D
 Acq On : 31 Aug 2022 00:08
 Operator : JC\MD
 Sample : PB147340ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147340ZHE#05

Quant Time: Aug 31 07:06:02 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)

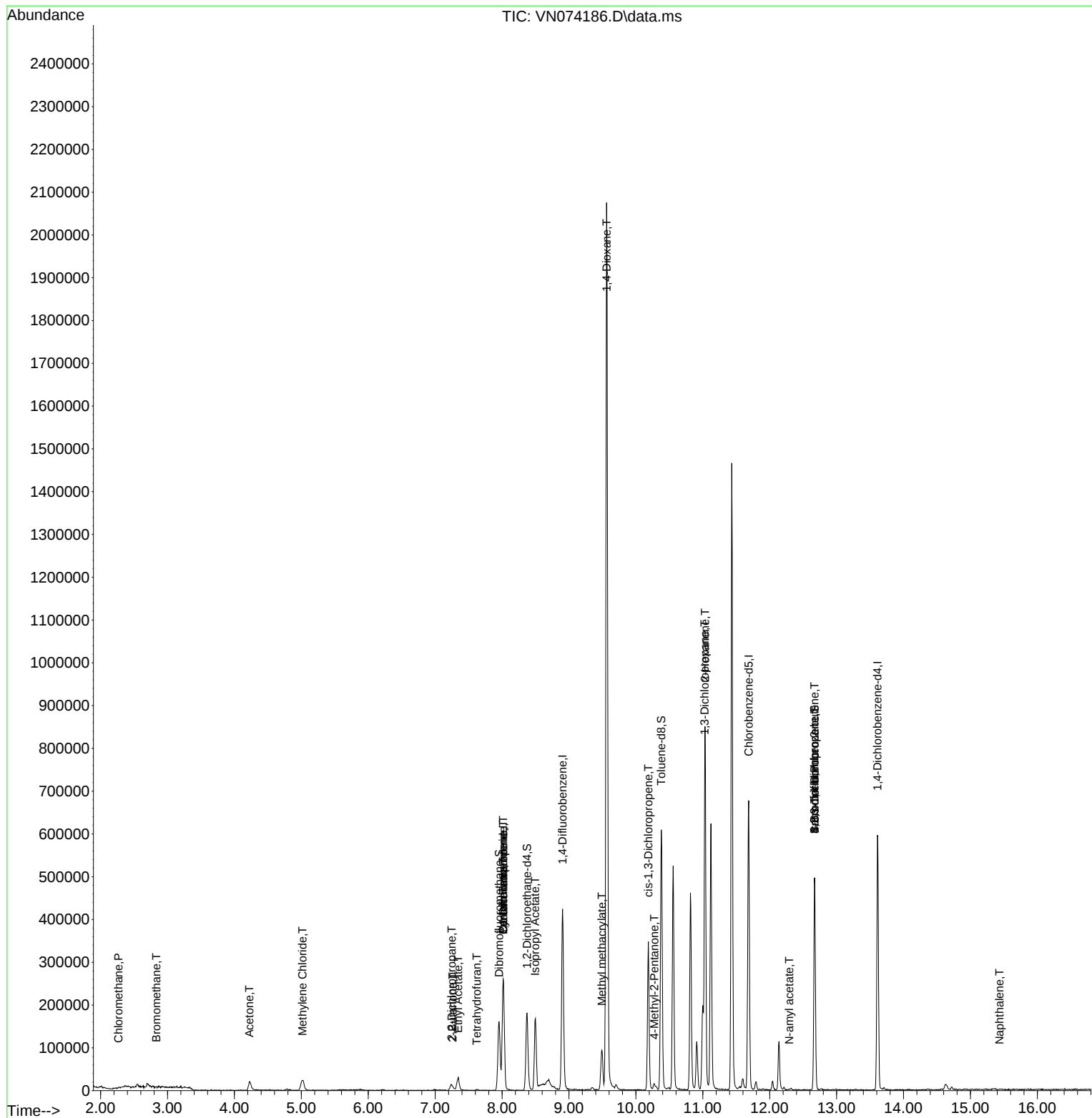
Internal Standards						
1) Pentafluorobenzene	8.016	168	180745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	345798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	359949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	146739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	141565	50.490	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.980%			
35) Dibromofluoromethane	7.957	113	113267	50.337	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.680%			
50) Toluene-d8	10.380	98	403618	45.547	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.100%			
62) 4-Bromofluorobenzene	12.669	95	152496	56.588	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.180%			
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	789	0.300	ug/l #	43
5) Bromomethane	2.834	94	388	0.271	ug/l	95
6) Chloroethane	2.951	64	203	Below Cal	#	42
11) Tert butyl alcohol	5.298	59	816	Below Cal	#	72
16) Acetone	4.222	43	38739	20.677	ug/l	90
18) Methyl Acetate	4.793	43	5637	Below Cal	#	62
20) Methylene Chloride	5.016	84	17272	4.883	ug/l #	81
25) 2-Butanone	7.263	43	8039	2.682	ug/l #	76
26) 2,2-Dichloropropane	7.245	77	771	0.518	ug/l #	53
28) Bromochloromethane	7.610	49	78	Below Cal	#	8
29) Tetrahydrofuran	7.622	42	1979	1.037	ug/l #	49
31) Cyclohexane	8.016	56	6032	1.302	ug/l #	34
36) 1,1-Dichloropropene	8.016	75	17503	4.794	ug/l #	48
37) Ethyl Acetate	7.345	43	48672	7.971	ug/l #	93
38) Carbon Tetrachloride	8.016	117	20808	6.275	ug/l #	16
43) Isopropyl Acetate	8.492	43	197201	24.025	ug/l #	84
48) Methyl methacrylate	9.492	41	6464	1.658	ug/l #	39
49) 1,4-Dioxane	9.563	88	85	1.010	ug/l #	1
51) 4-Methyl-2-Pentanone	10.275	43	15087	2.533	ug/l #	66
54) cis-1,3-Dichloropropene	10.186	75	54415	12.655	ug/l #	73
57) 1,3-Dichloropropane	11.027	76	8852	1.743	ug/l #	42
59) 2-Hexanone	11.033	43	128726	28.474	ug/l #	45
71) Bromoform	12.669	173	1570	0.644	ug/l #	1
74) N-amyl acetate	12.292	43	3024	0.425	ug/l #	39
76) 1,2,3-Trichloropropane	12.669	75	86120	23.494	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	86120	60.918	ug/l #	11
95) Naphthalene	15.433	128	881	1.228	ug/l #	83

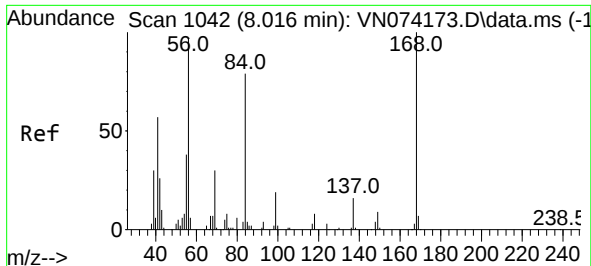
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
Data File : VN074186.D
Acq On : 31 Aug 2022 00:08
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Aug 31 07:06:02 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

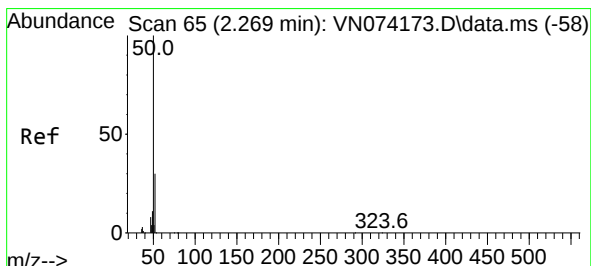
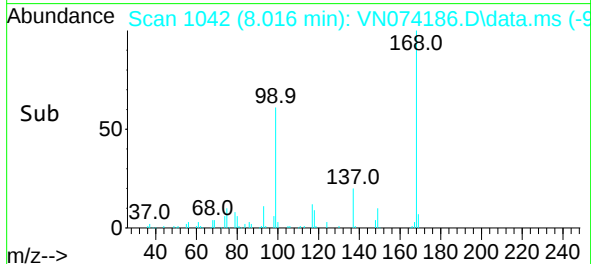
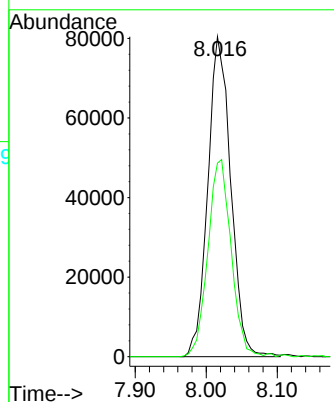
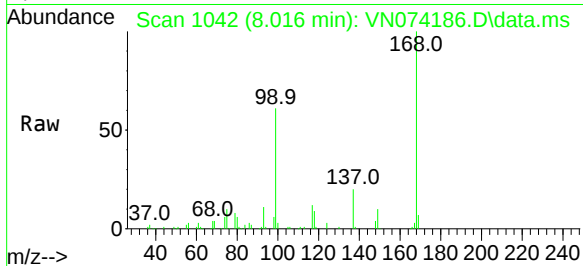




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

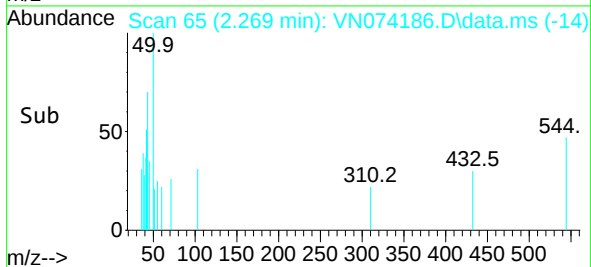
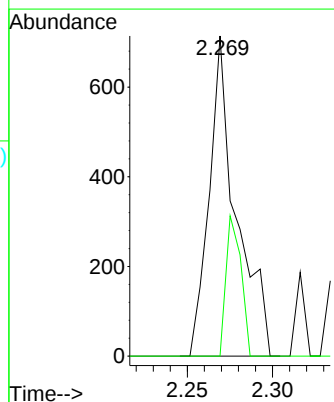
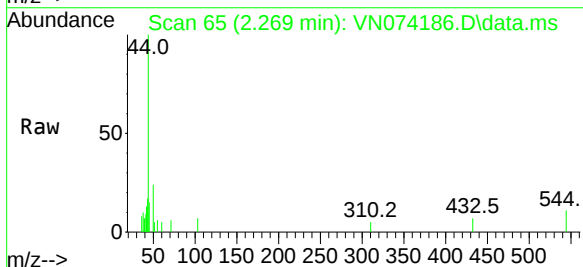
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#05

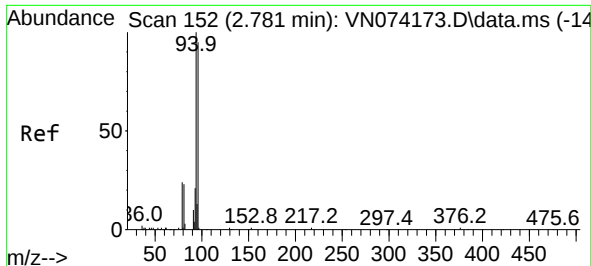
Tgt Ion:168 Resp: 180745
Ion Ratio Lower Upper
168 100
99 60.5 42.3 63.5



#3
Chloromethane
Concen: 0.300 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

Tgt Ion: 50 Resp: 789
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

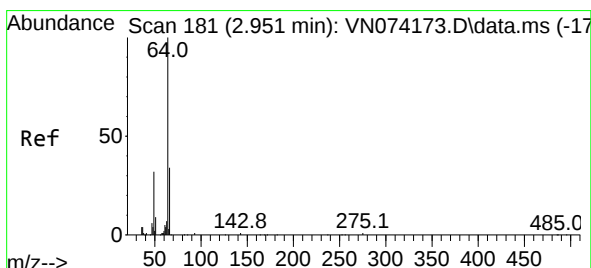
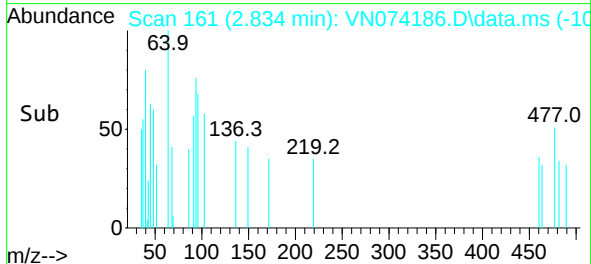
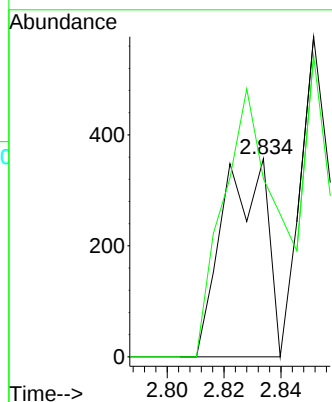
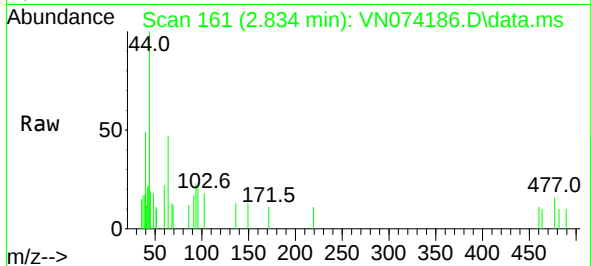




#5
Bromomethane
Concen: 0.271 ug/l
RT: 2.834 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

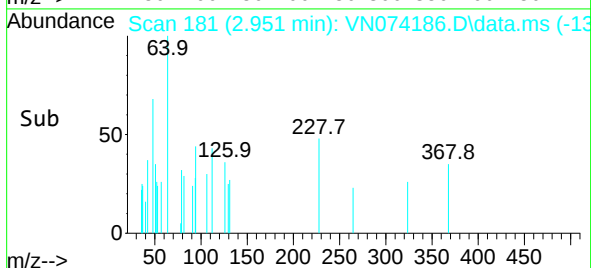
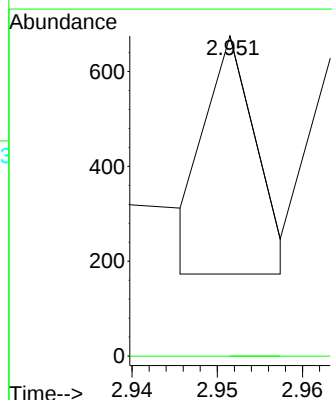
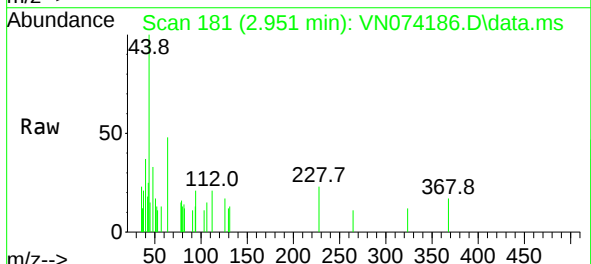
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#05

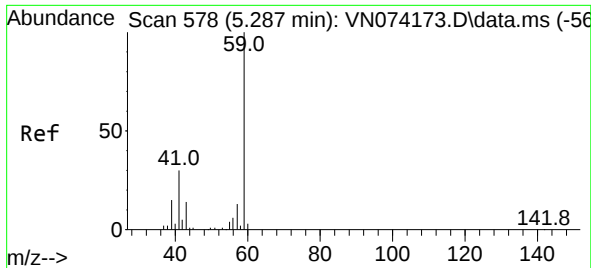
Tgt Ion: 94 Resp: 388
Ion Ratio Lower Upper
94 100
96 89.9 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 2.951 min Scan# 181
Delta R.T. 0.000 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

Tgt Ion: 64 Resp: 203
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

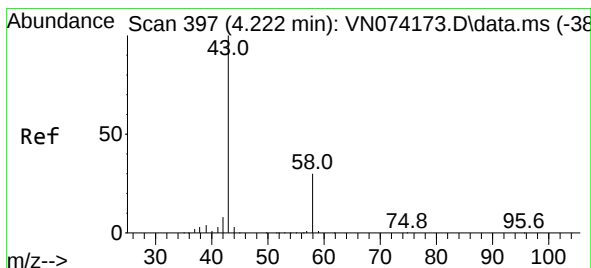
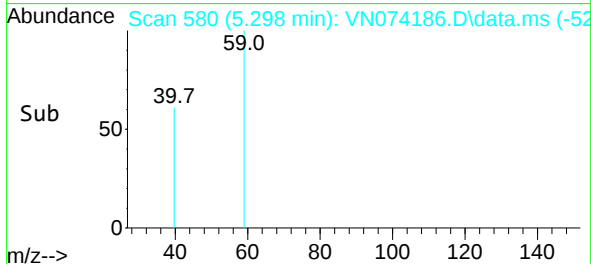
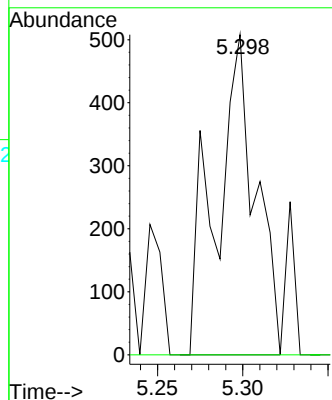
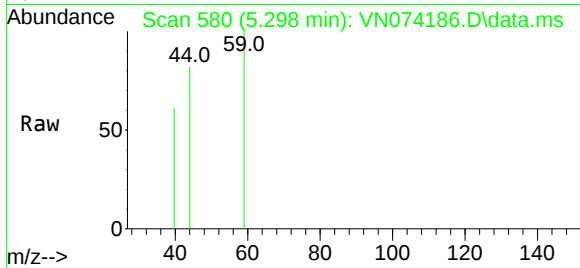




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.298 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

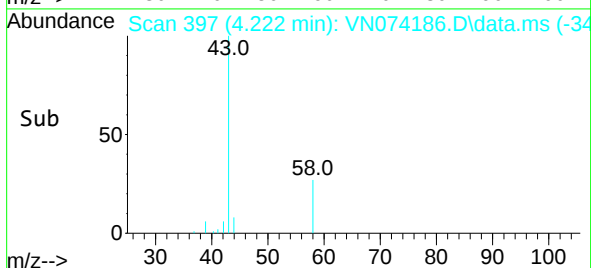
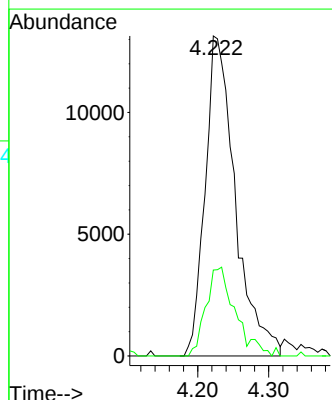
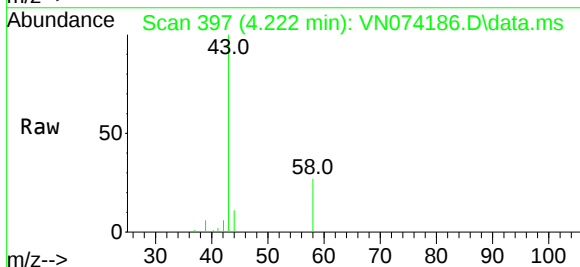
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#05

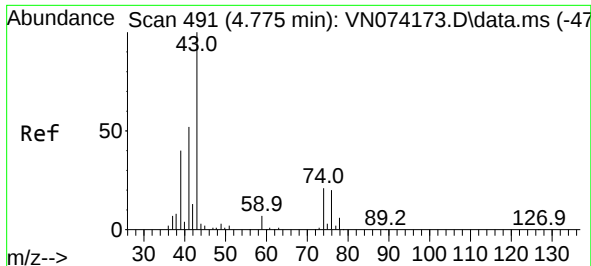
Tgt Ion: 59 Resp: 816
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 20.677 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

Tgt Ion: 43 Resp: 38739
Ion Ratio Lower Upper
43 100
58 26.9 26.0 39.0

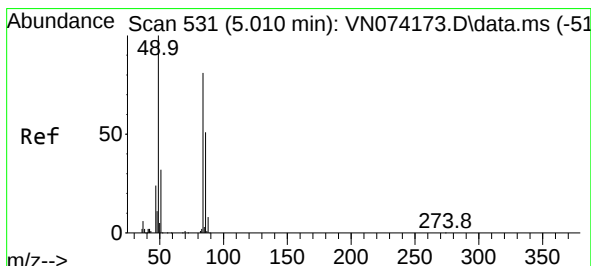
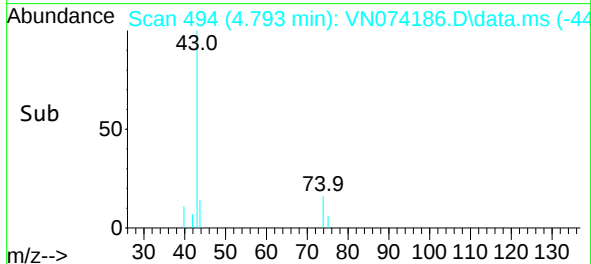
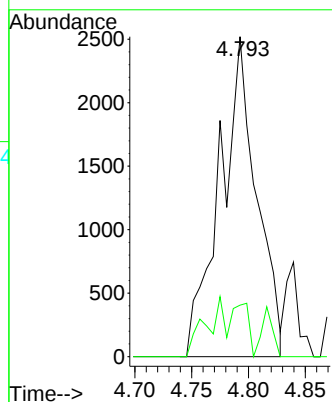
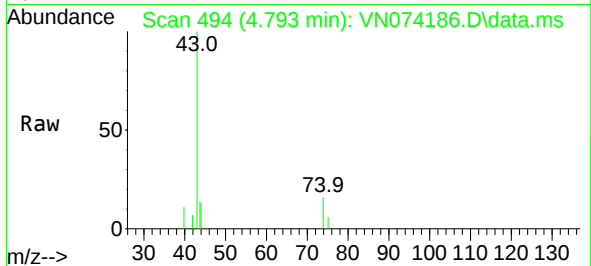




#18
Methyl Acetate
Concen: Below Cal
RT: 4.793 min Scan# 491
Delta R.T. 0.018 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

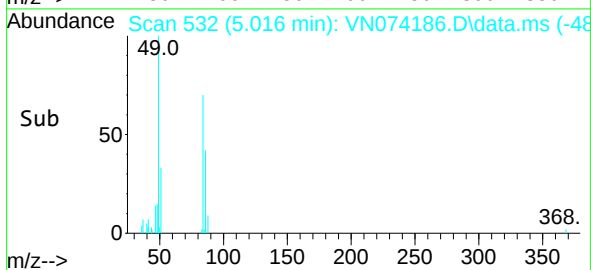
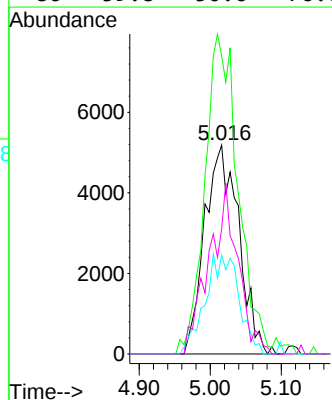
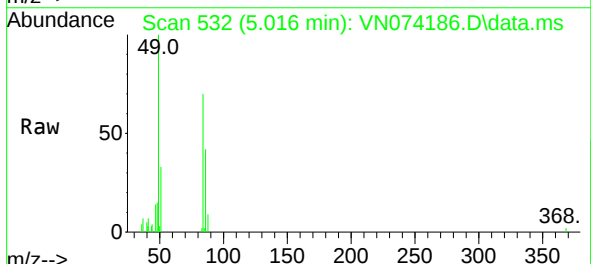
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#05

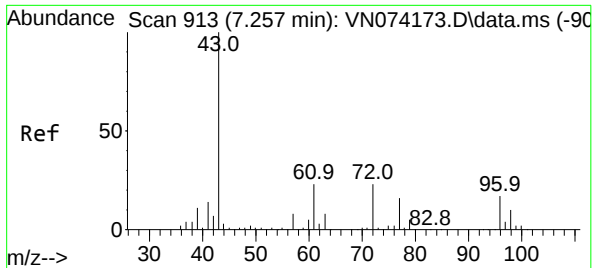
Tgt Ion: 43 Resp: 5637
Ion Ratio Lower Upper
43 100
74 7.6 21.6 32.4#



#20
Methylene Chloride
Concen: 4.883 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

Tgt Ion: 84 Resp: 17272
Ion Ratio Lower Upper
84 100
49 138.9 88.3 132.5#
51 47.3 28.2 42.2#
86 59.8 50.6 76.0





#25

2-Butanone

Concen: 2.682 ug/l

RT: 7.263 min Scan# 914

Delta R.T. 0.006 min

Lab File: VN074186.D

Acq: 31 Aug 2022 00:08

Instrument :

MSVOA_N

ClientSampleId :

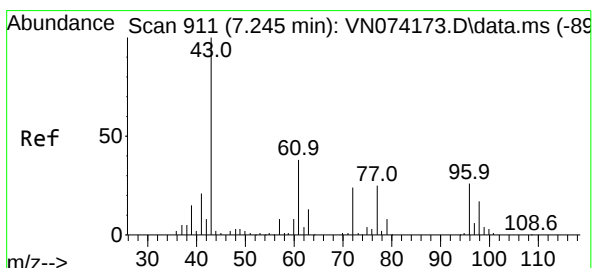
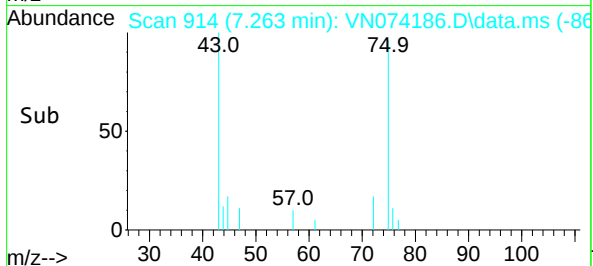
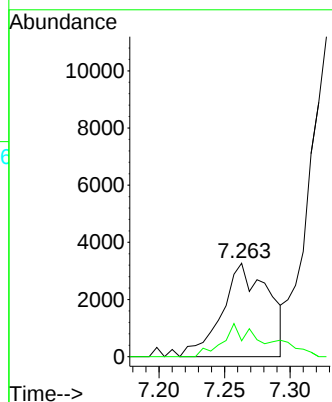
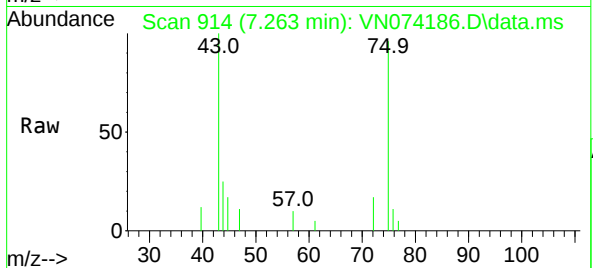
PB147340ZHE#05

Tgt Ion: 43 Resp: 8039

Ion Ratio Lower Upper

43 100

72 16.9 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 0.518 ug/l

RT: 7.245 min Scan# 911

Delta R.T. 0.000 min

Lab File: VN074186.D

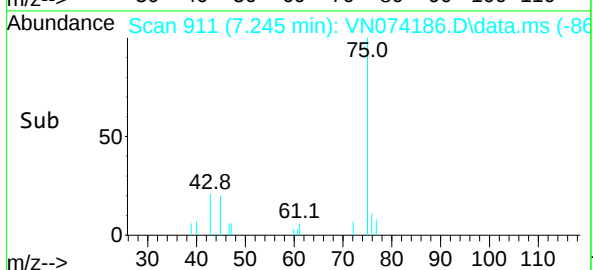
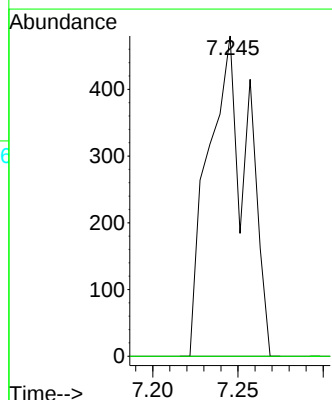
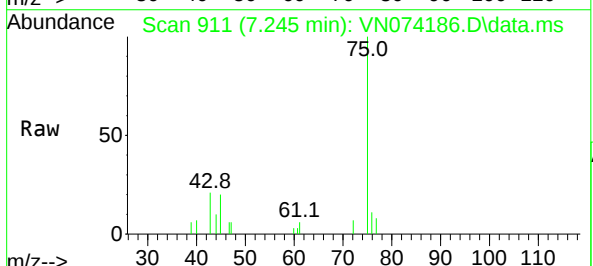
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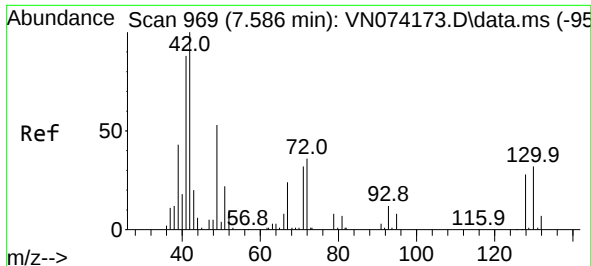
Tgt Ion: 77 Resp: 771

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#

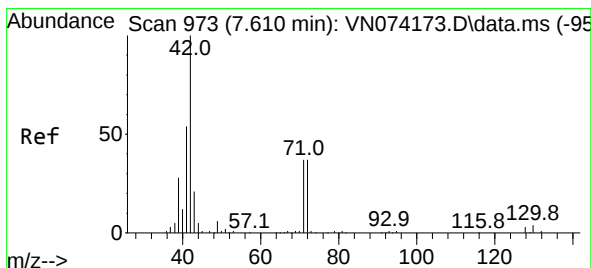
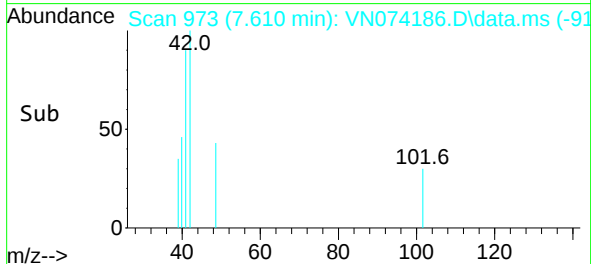
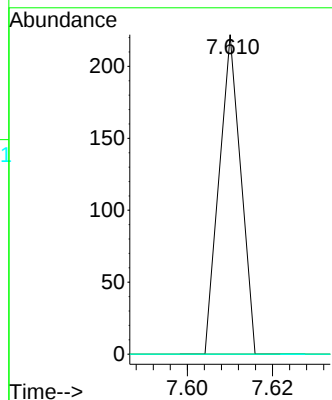
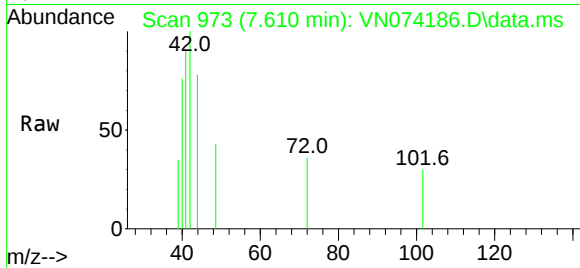




#28
Bromochloromethane
Concen: Below Cal
RT: 7.610 min Scan# 91
Delta R.T. 0.024 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

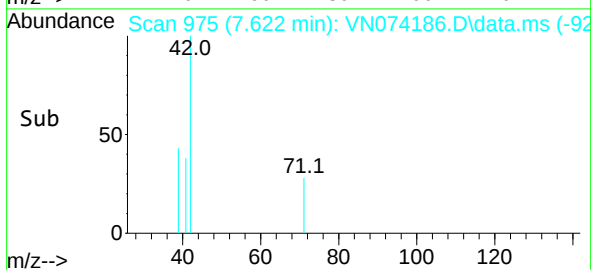
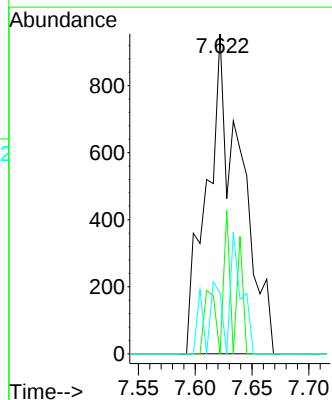
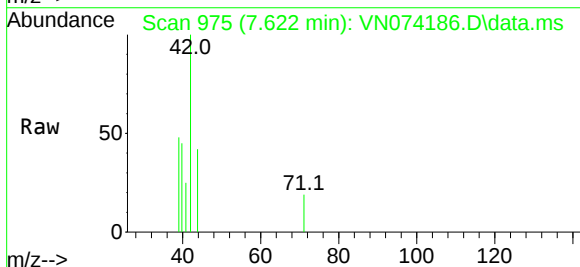
Instrument :
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PB147340ZHE#05

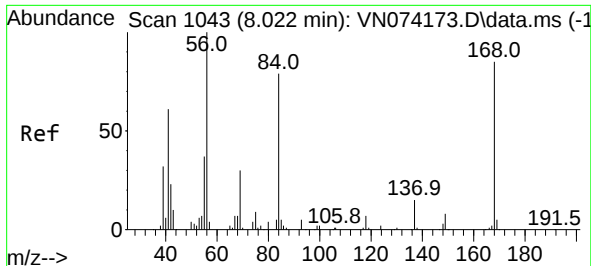
Tgt Ion: 49 Resp: 78
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#



#29
Tetrahydrofuran
Concen: 1.037 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.012 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

Tgt Ion: 42 Resp: 1979
Ion Ratio Lower Upper
42 100
72 13.8 39.7 59.5#
71 12.6 36.6 55.0#

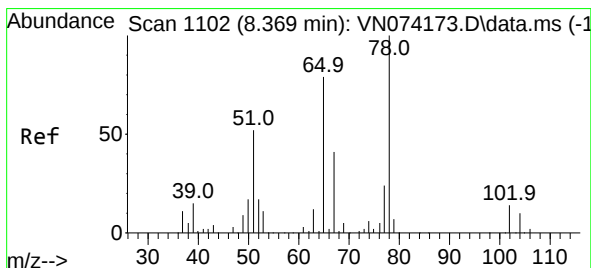
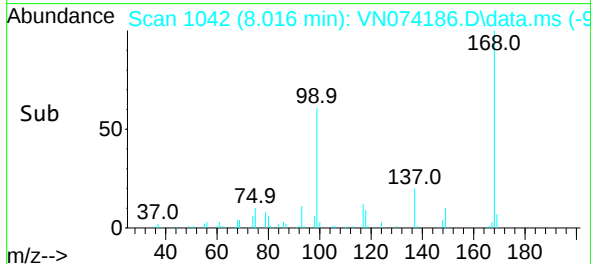
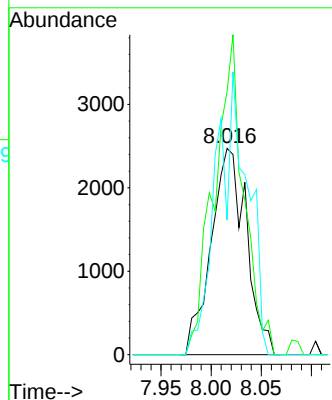
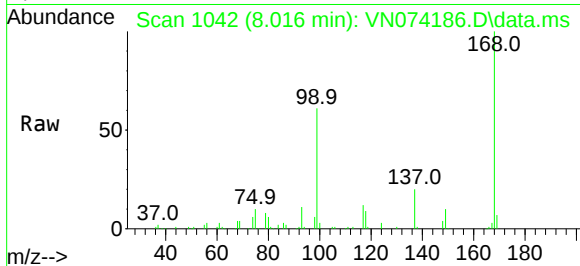




#31
Cyclohexane
Concen: 1.302 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

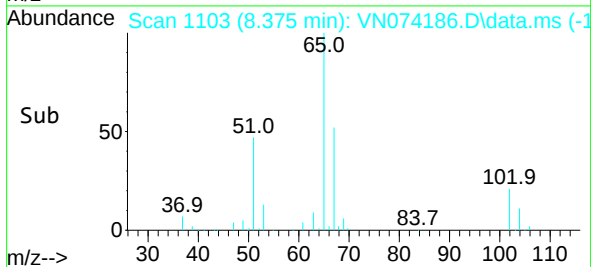
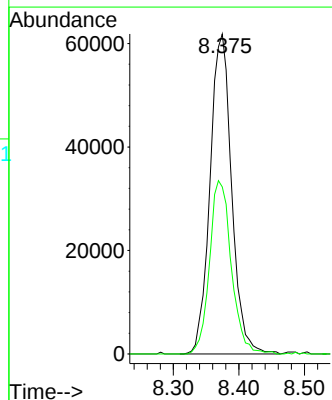
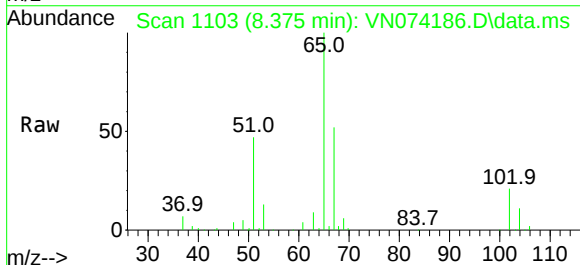
Instrument :
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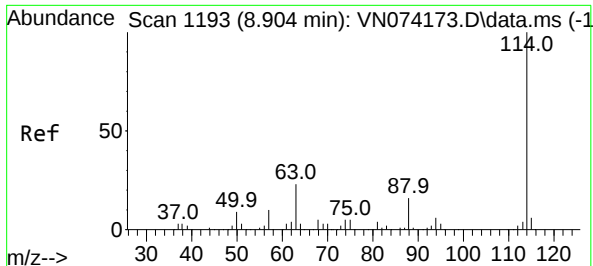
Tgt Ion: 56 Resp: 6032
Ion Ratio Lower Upper
56 100
69 127.5 27.8 41.8#
84 65.3 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 50.490 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

Tgt Ion: 65 Resp: 141565
Ion Ratio Lower Upper
65 100
67 54.6 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: VN074186.D

Acq: 31 Aug 2022 00:08

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#05

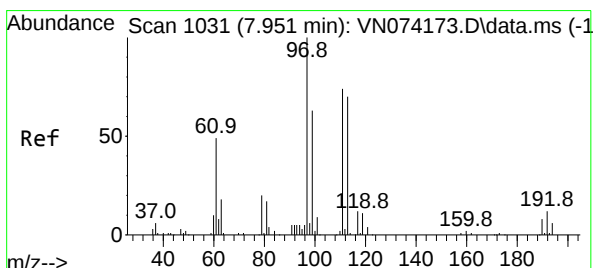
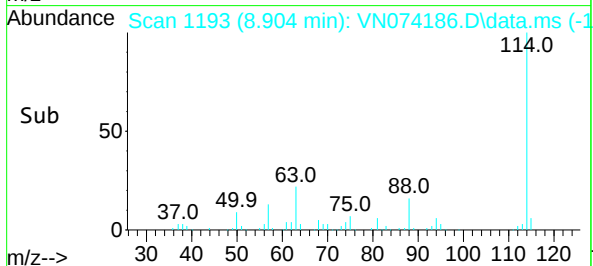
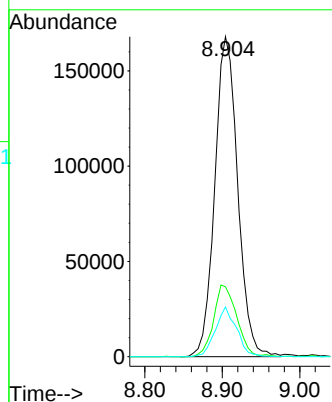
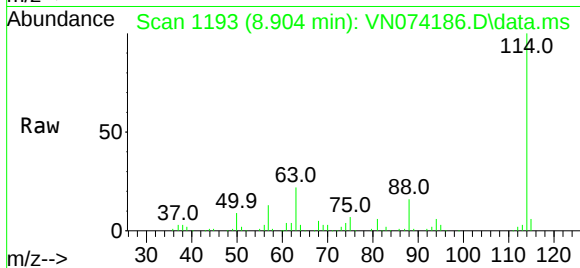
Tgt Ion:114 Resp: 345798

Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.0

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.337 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN074186.D

Acq: 31 Aug 2022 00:08

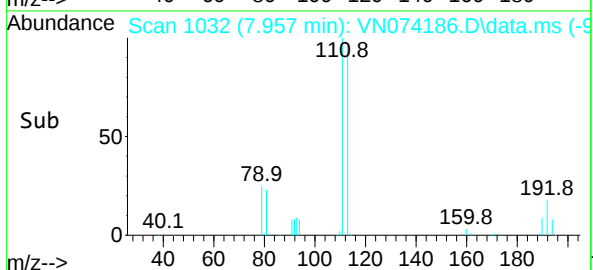
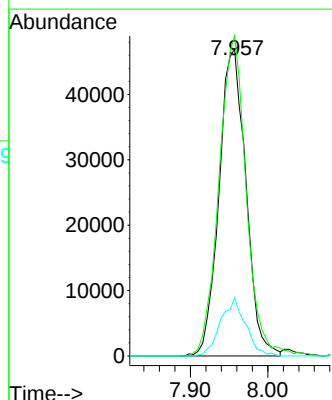
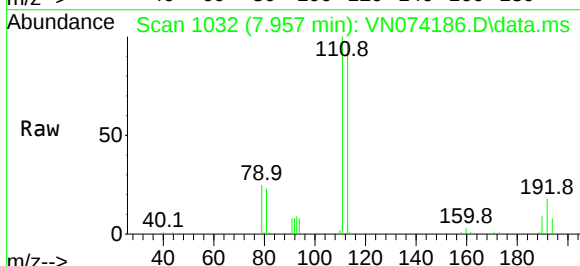
Tgt Ion:113 Resp: 113267

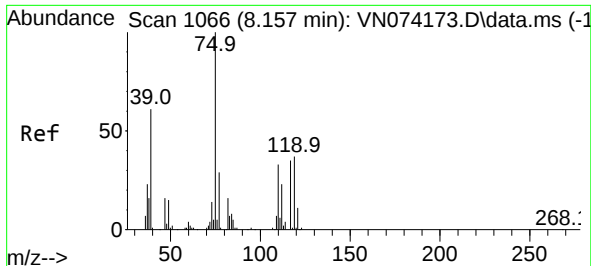
Ion Ratio Lower Upper

113 100

111 105.8 81.4 122.0

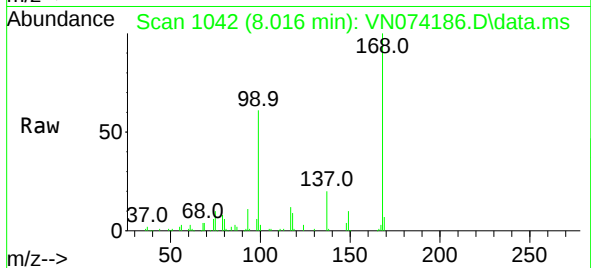
192 17.6 17.0 25.6



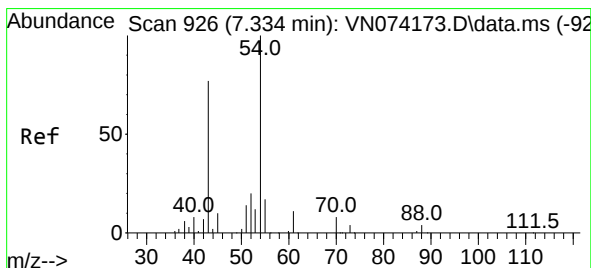
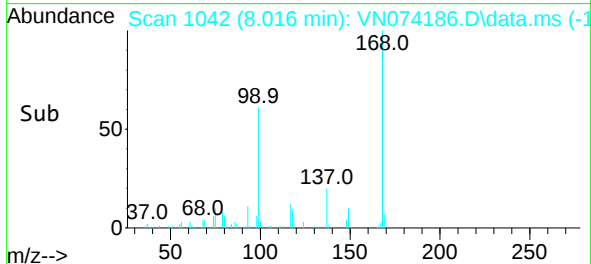
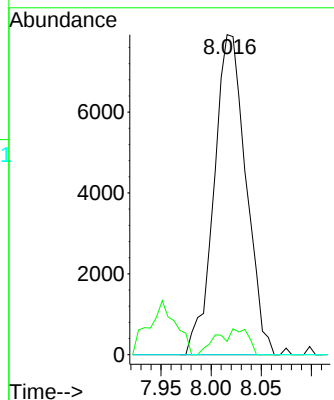


#36
1,1-Dichloropropene
Concen: 4.794 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.141 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#05

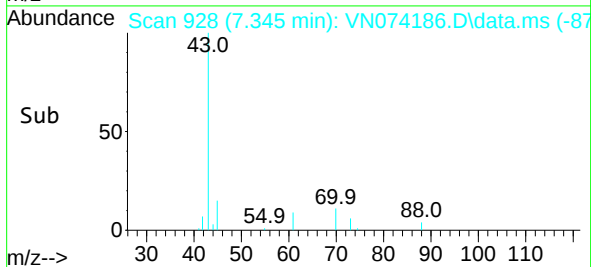
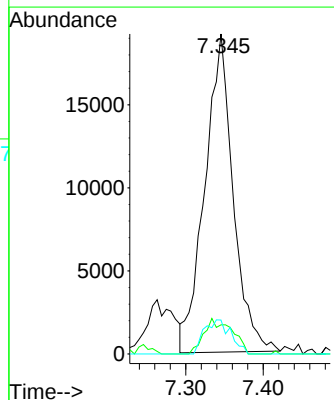
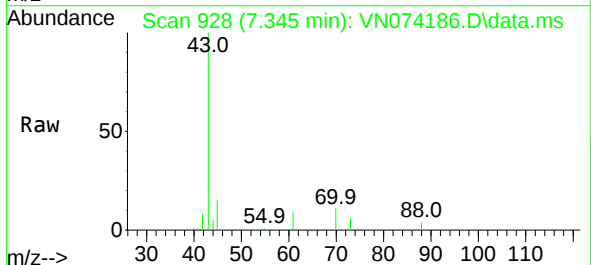


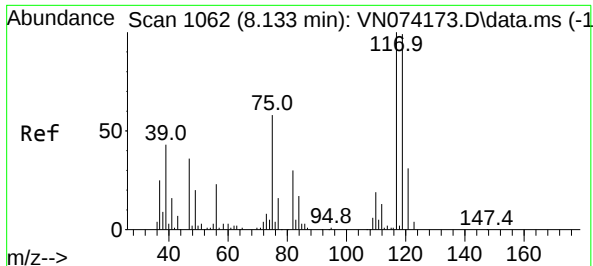
Tgt Ion: 75 Resp: 17503
Ion Ratio Lower Upper
75 100
110 7.9 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 7.971 ug/l
RT: 7.345 min Scan# 928
Delta R.T. 0.012 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

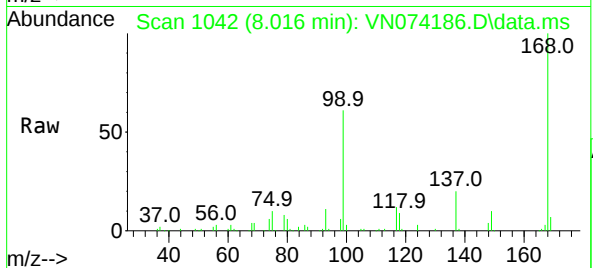
Tgt Ion: 43 Resp: 48672
Ion Ratio Lower Upper
43 100
61 11.0 11.8 17.6#
70 10.1 9.3 13.9



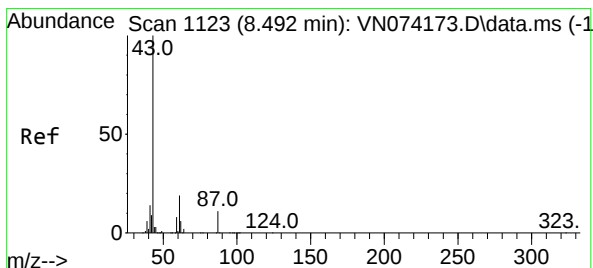
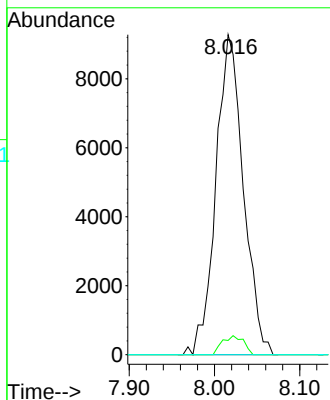
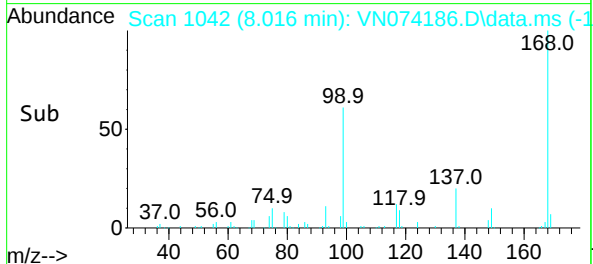


#38
Carbon Tetrachloride
Concen: 6.275 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

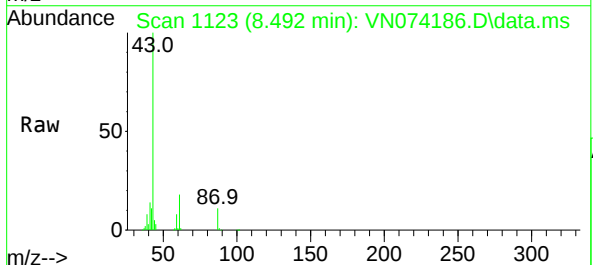
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#05



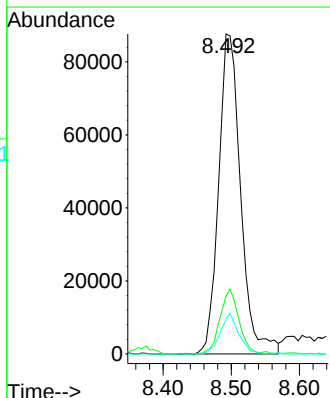
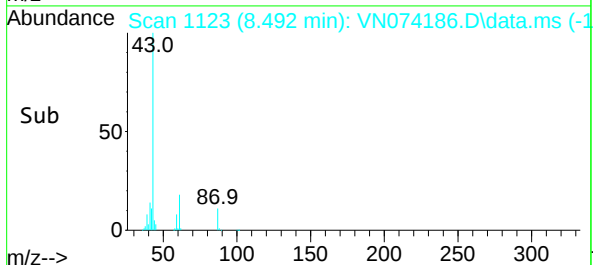
Tgt Ion:117 Resp: 20808
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.8#
121 0.0 24.6 37.0#

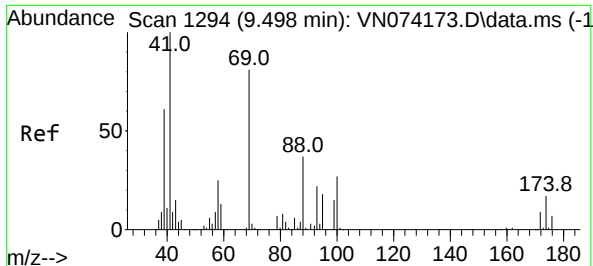


#43
Isopropyl Acetate
Concen: 24.025 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08



Tgt Ion: 43 Resp: 197201
Ion Ratio Lower Upper
43 100
61 17.7 21.9 32.9#
87 10.6 12.0 18.0#

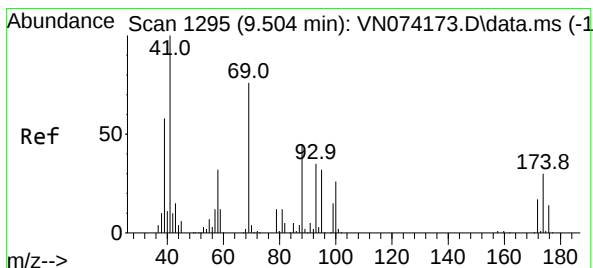
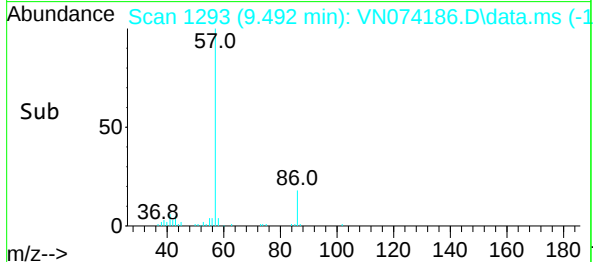
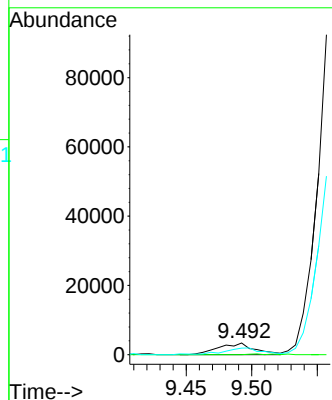
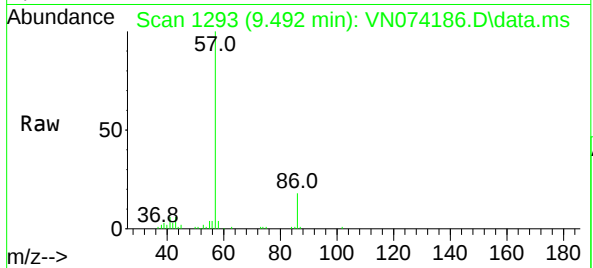




#48
Methyl methacrylate
Concen: 1.658 ug/l
RT: 9.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

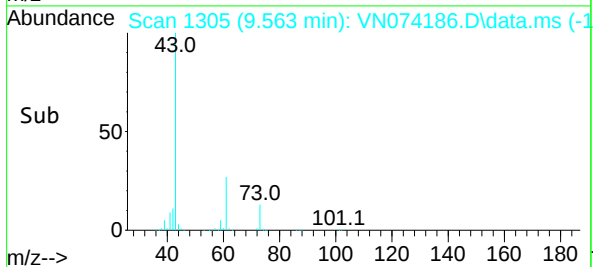
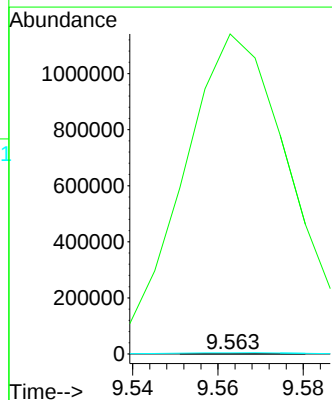
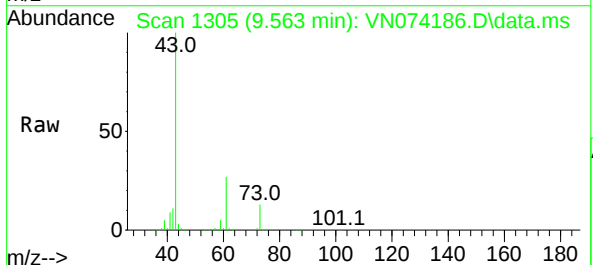
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#05

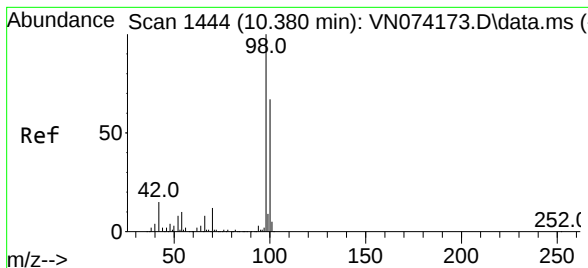
Tgt Ion: 41 Resp: 6464
Ion Ratio Lower Upper
41 100
69 2.2 74.7 112.1#
39 61.2 45.6 68.4



#49
1,4-Dioxane
Concen: 1.010 ug/l
RT: 9.563 min Scan# 1305
Delta R.T. 0.059 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 2440525.9 20.2 30.4#
58 11191.8 54.2 81.4#

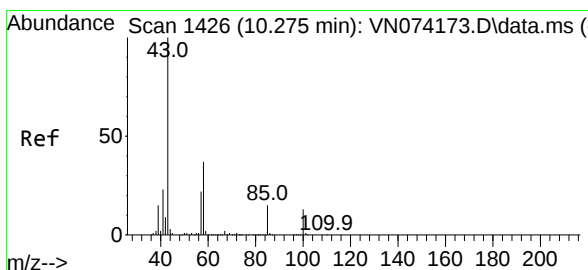
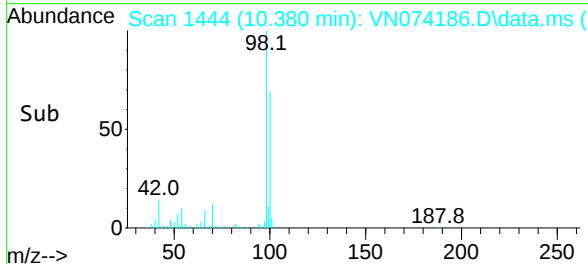
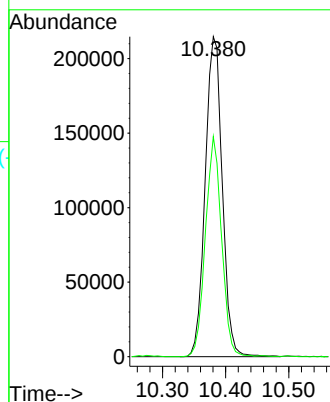
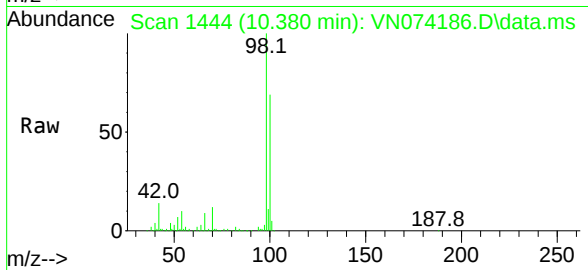




#50
Toluene-d8
Concen: 45.547 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

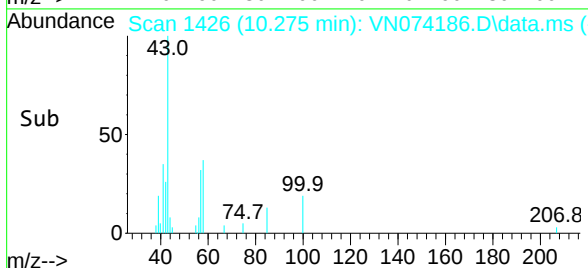
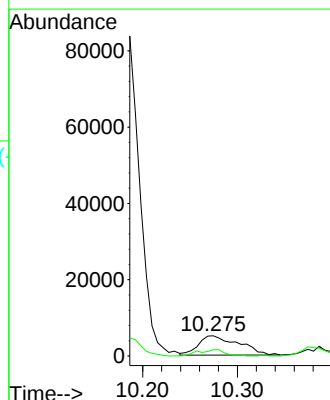
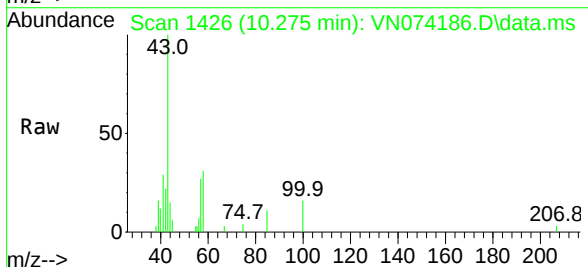
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#05

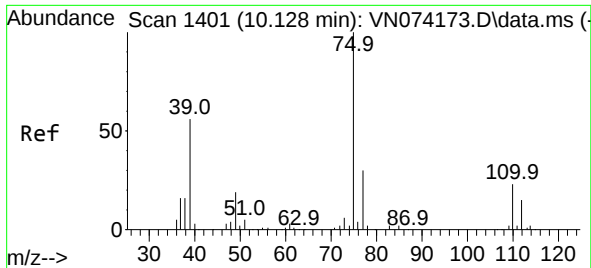
Tgt Ion: 98 Resp: 403618
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.533 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

Tgt Ion: 43 Resp: 15087
Ion Ratio Lower Upper
43 100
58 21.2 34.1 51.1#

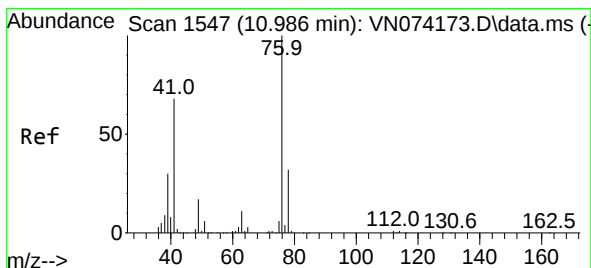
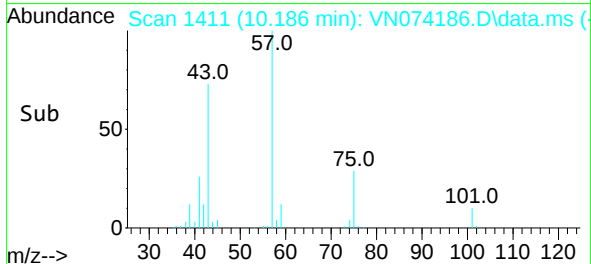
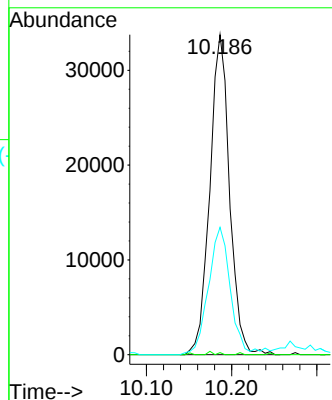
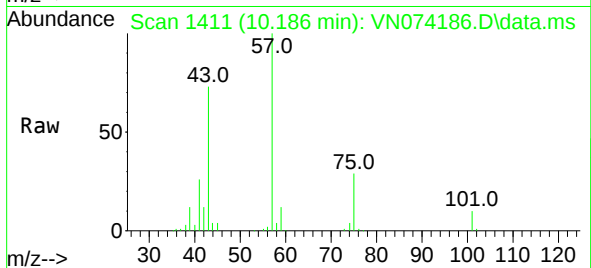




#54
 cis-1,3-Dichloropropene
 Concen: 12.655 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.059 min
 Lab File: VN074186.D
 Acq: 31 Aug 2022 00:08

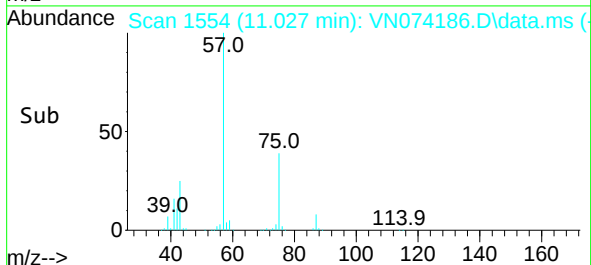
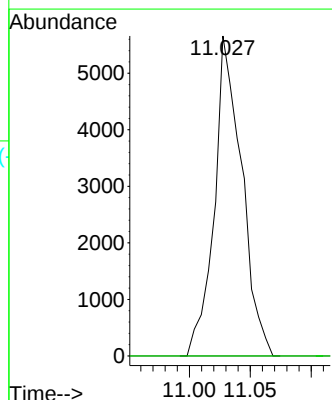
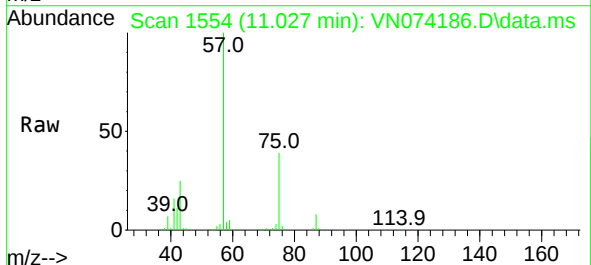
Instrument :
 MSVOA_N
 ClientSampleId :
 PB147340ZHE#05

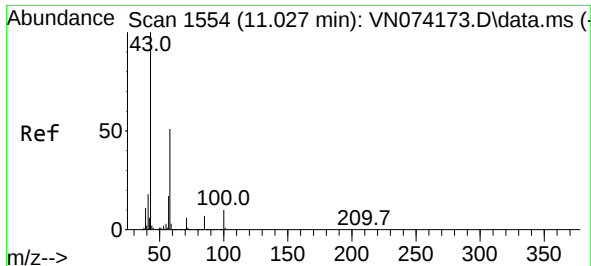
Tgt Ion: 75 Resp: 54415
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 39.8 35.7 53.5



#57
 1,3-Dichloropropane
 Concen: 1.743 ug/l
 RT: 11.027 min Scan# 1554
 Delta R.T. 0.041 min
 Lab File: VN074186.D
 Acq: 31 Aug 2022 00:08

Tgt Ion: 76 Resp: 8852
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

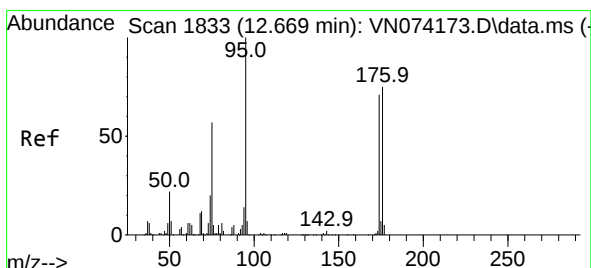
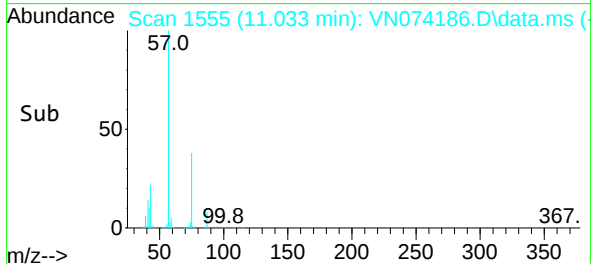
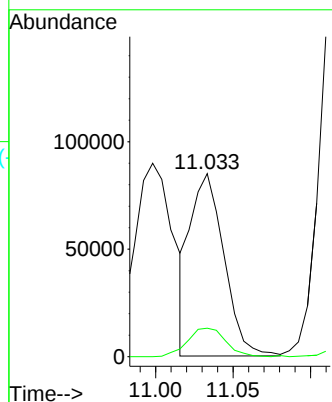
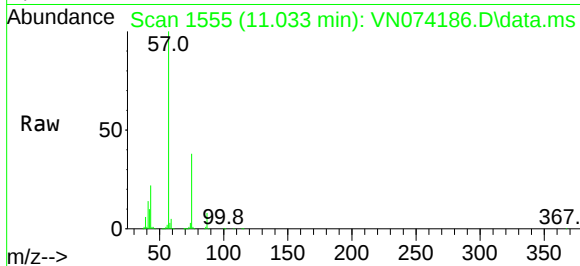




#59
2-Hexanone
Concen: 28.474 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

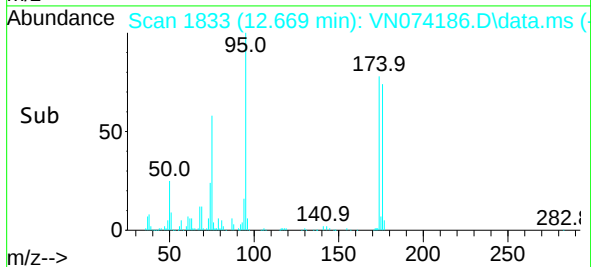
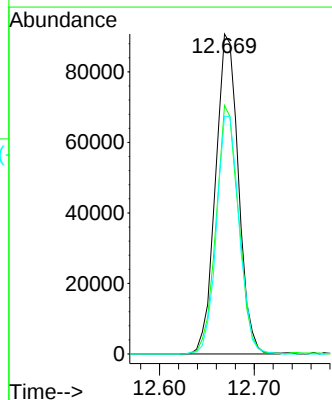
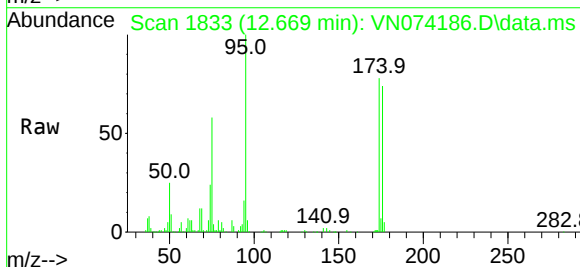
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#05

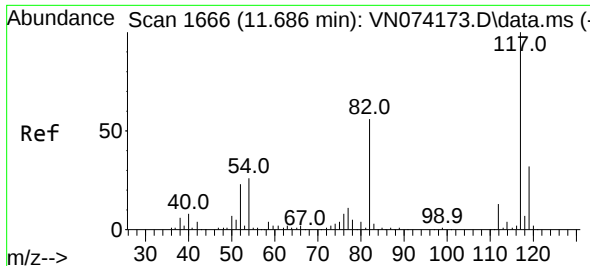
Tgt Ion: 43 Resp: 128726
Ion Ratio Lower Upper
43 100
58 17.7 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 56.588 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

Tgt Ion: 95 Resp: 152496
Ion Ratio Lower Upper
95 100
174 76.3 0.0 167.6
176 73.9 0.0 163.4

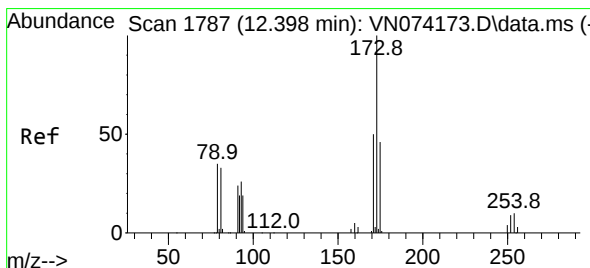
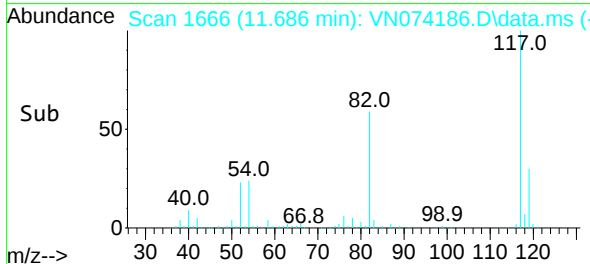
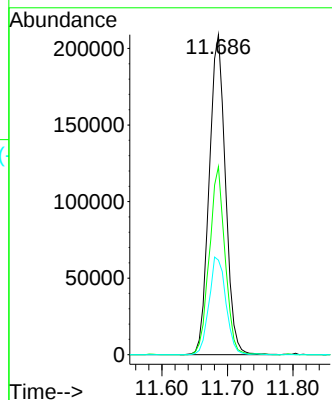
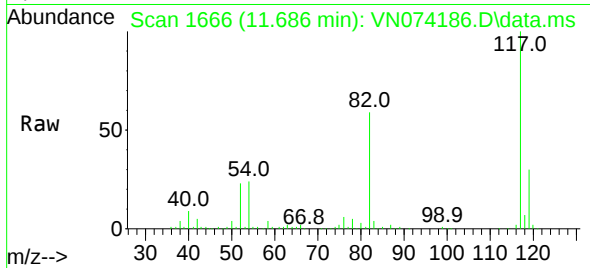




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

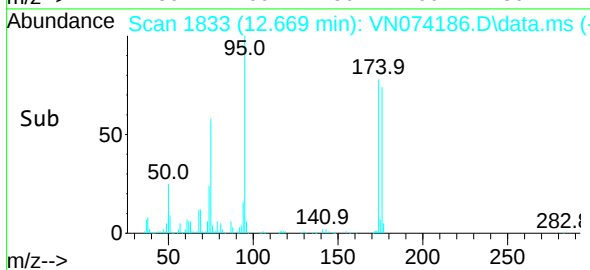
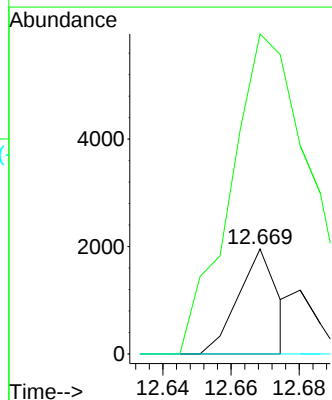
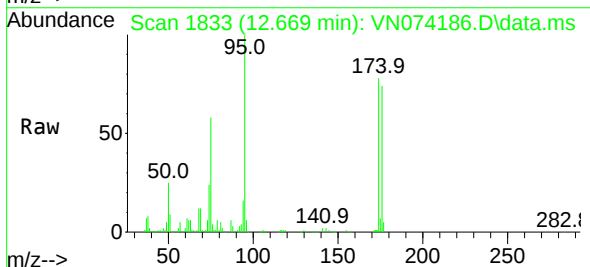
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#05

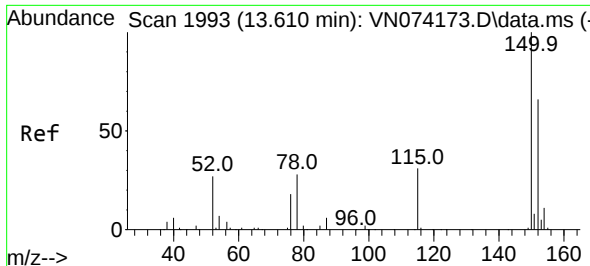
Tgt Ion:117 Resp: 359949
Ion Ratio Lower Upper
117 100
82 58.7 44.2 66.2
119 29.6 25.4 38.0



#71
Bromoform
Concen: 0.644 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

Tgt Ion:173 Resp: 1570
Ion Ratio Lower Upper
173 100
175 425.9 24.6 73.6#
254 0.0 0.1 0.1#

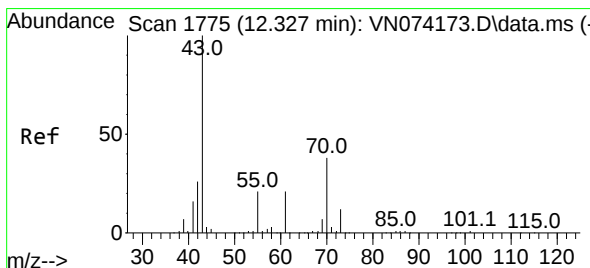
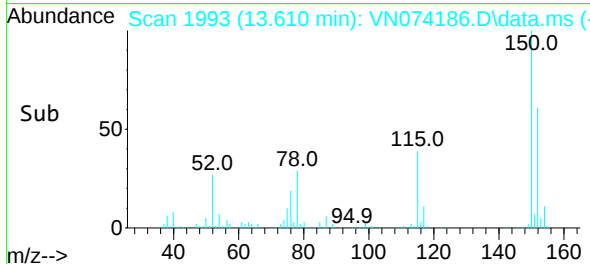
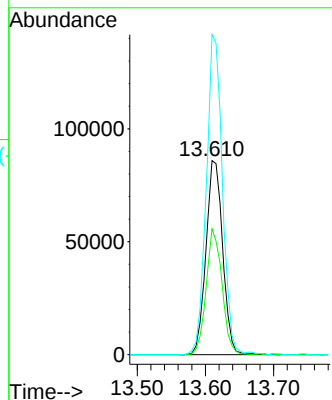
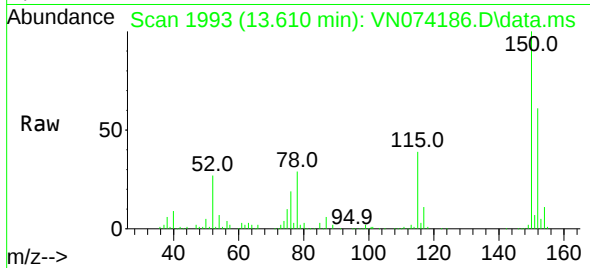




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN074186.D
 Acq: 31 Aug 2022 00:08

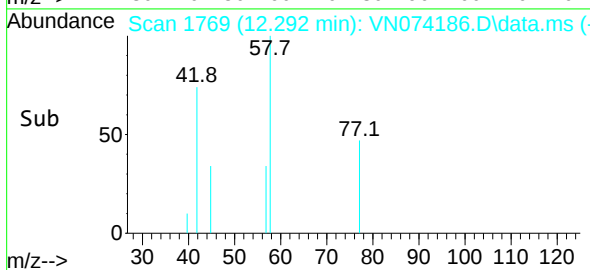
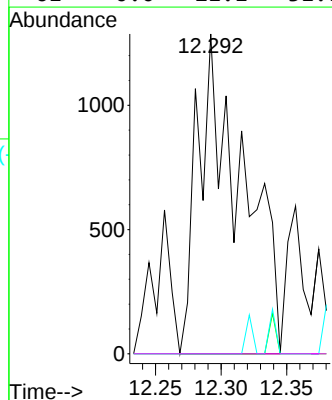
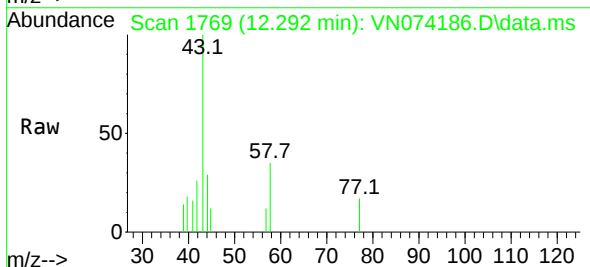
Instrument :
 MSVOA_N
 ClientSampleId :
 PB147340ZHE#05

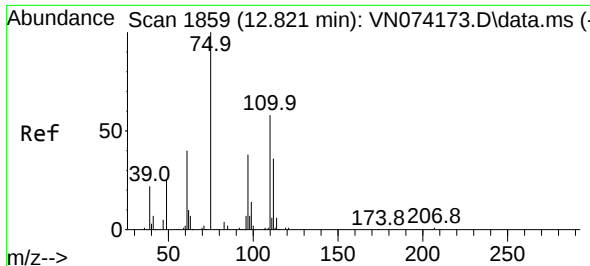
Tgt Ion:152 Resp: 146739
 Ion Ratio Lower Upper
 152 100
 115 61.3 28.9 86.7
 150 159.0 0.0 356.2



#74
 N-ethyl acetate
 Concen: 0.425 ug/l
 RT: 12.292 min Scan# 1769
 Delta R.T. -0.035 min
 Lab File: VN074186.D
 Acq: 31 Aug 2022 00:08

Tgt Ion: 43 Resp: 3024
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.4#
 55 0.0 21.1 31.7#
 61 0.0 21.1 31.7#

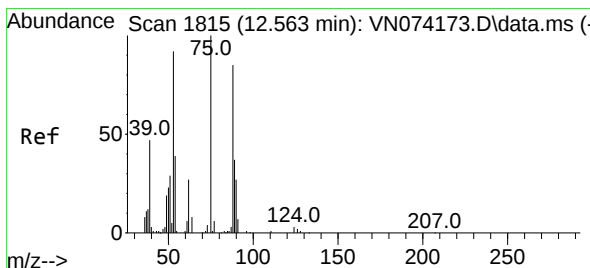
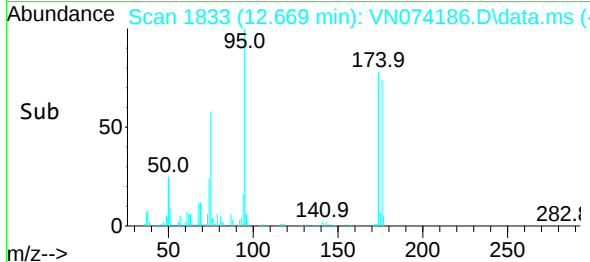
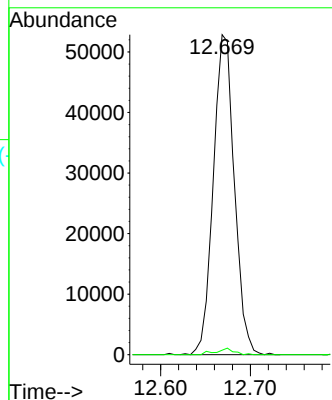
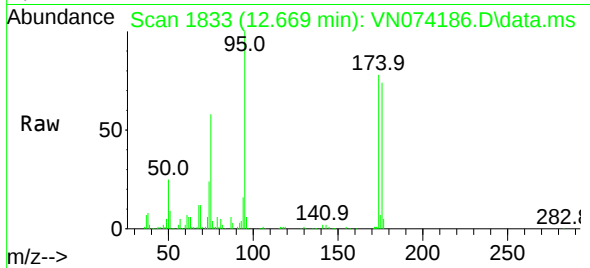




#76
1,2,3-Trichloropropane
Concen: 23.494 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

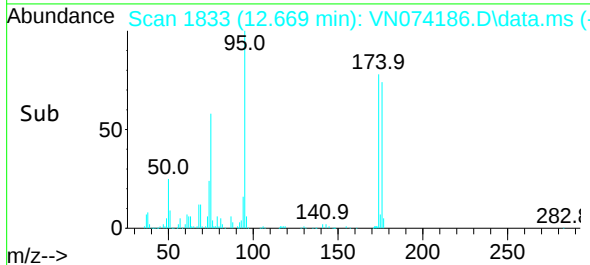
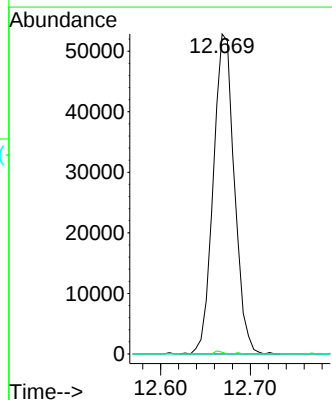
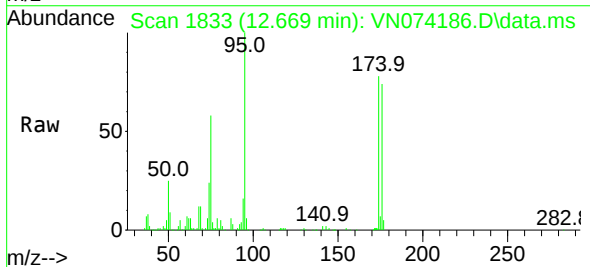
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#05

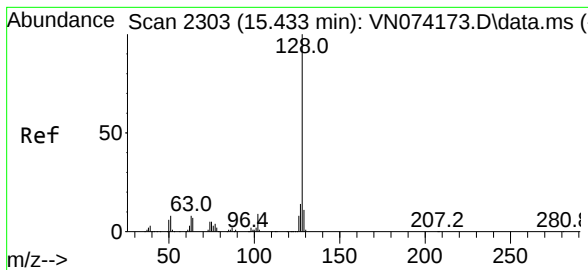
Tgt Ion: 75 Resp: 86120
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.918 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074186.D
Acq: 31 Aug 2022 00:08

Tgt Ion: 75 Resp: 86120
Ion Ratio Lower Upper
75 100
53 0.3 78.0 117.0#
89 0.0 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: VN074186.D
 Acq: 31 Aug 2022 00:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147340ZHE#05

Tgt Ion:128 Resp: 881
 Ion Ratio Lower Upper
 128 100
 127 15.9 10.3 15.5#
 129 0.0 8.6 13.0#

