

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042522\
 Data File : VN072183.D
 Acq On : 25 Apr 2022 16:40
 Operator : JC\MD
 Sample : PB144332ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144332ZHE#02

Quant Time: Apr 26 05:40:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

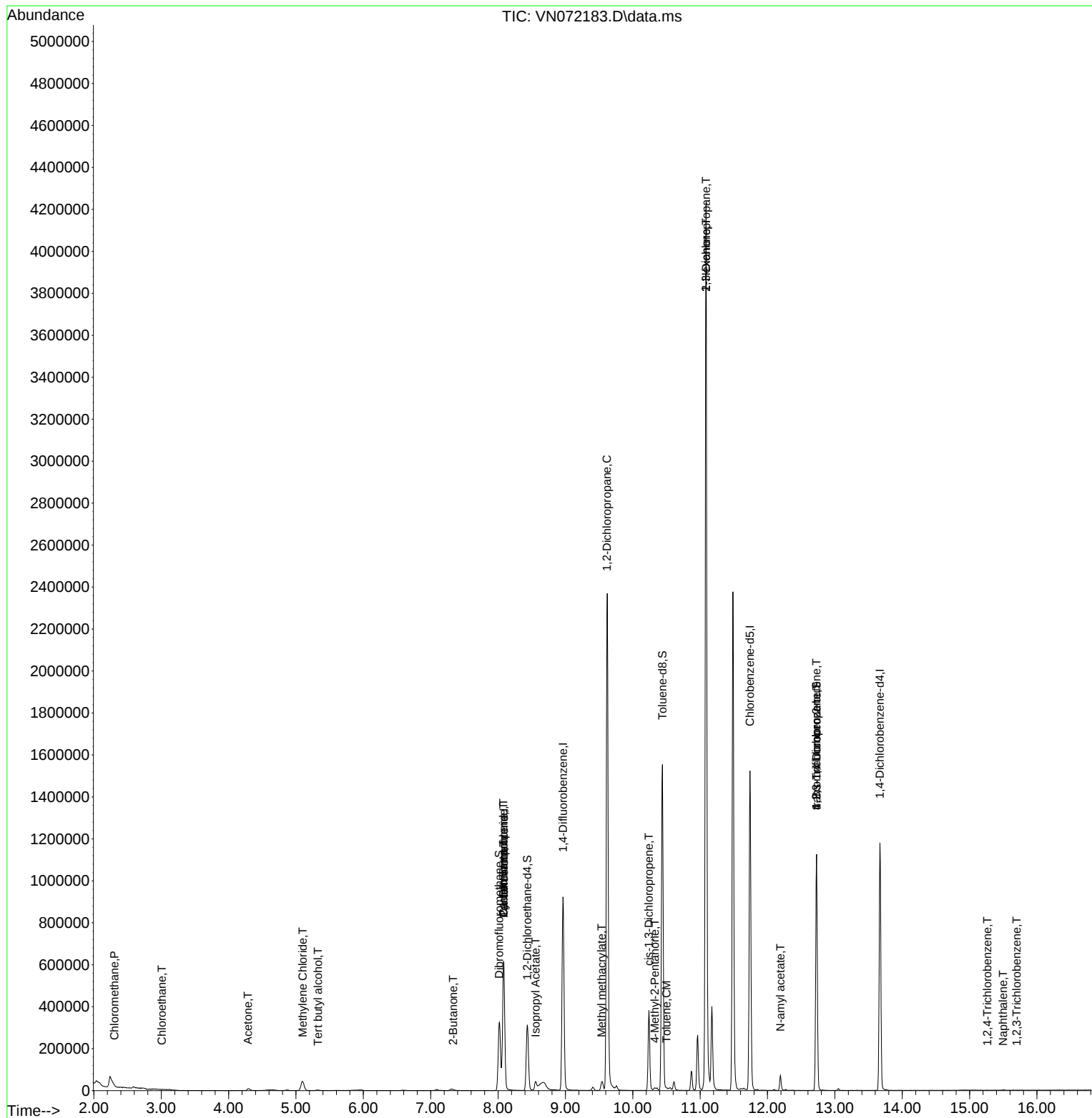
Internal Standards						
1) Pentafluorobenzene	8.086	168	526396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	889798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	977333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	364434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	261725	43.552	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.100%		
35) Dibromofluoromethane	8.016	113	251472	48.028	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.060%		
50) Toluene-d8	10.439	98	1154784	53.914	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.820%		
62) 4-Bromofluorobenzene	12.727	95	395477	57.090	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	114.180%		
Target Compounds						Qvalue
3) Chloromethane	2.304	50	1366	0.258	ug/l	90
6) Chloroethane	3.010	64	900	0.215	ug/l #	60
11) Tert butyl alcohol	5.328	59	1197	1.227	ug/l #	72
16) Acetone	4.287	43	14954	5.823	ug/l	90
18) Methyl Acetate	4.863	43	5678	Below Cal		96
20) Methylene Chloride	5.098	84	42472	7.846	ug/l #	84
25) 2-Butanone	7.334	43	5554	1.500	ug/l	96
31) Cyclohexane	8.081	56	7087	0.867	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	32899	4.499	ug/l #	49
38) Carbon Tetrachloride	8.081	117	44497	6.209	ug/l #	18
43) Isopropyl Acetate	8.557	43	43686	3.282	ug/l	94
45) 1,2-Dichloropropane	9.616	63	3791	0.657	ug/l #	44
48) Methyl methacrylate	9.539	41	10016	1.814	ug/l #	10
49) 1,4-Dioxane	9.622	88	340	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.328	43	7713	1.008	ug/l	100
52) Toluene	10.498	92	2958	0.203	ug/l	80
54) cis-1,3-Dichloropropene	10.239	75	81586	9.136	ug/l #	56
57) 1,3-Dichloropropane	11.086	76	49661	4.943	ug/l #	42
59) 2-Hexanone	11.086	43	549865	102.047	ug/l #	50
74) N-amyl acetate	12.192	43	19796	2.250	ug/l #	51
76) 1,2,3-Trichloropropane	12.727	75	184095	21.806	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	184095	67.576	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.262	180	179	2.115	ug/l #	66
95) Naphthalene	15.498	128	3443	3.995	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.698	180	128	2.436	ug/l #	12

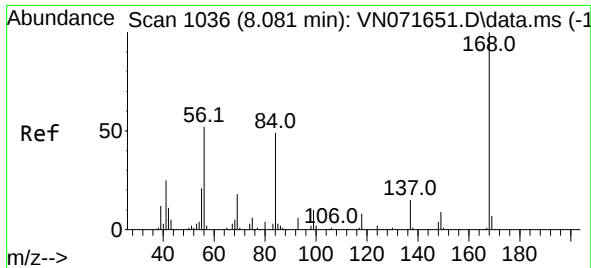
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042522\
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Apr 26 05:40:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
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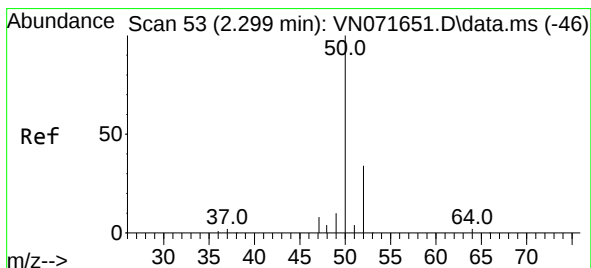
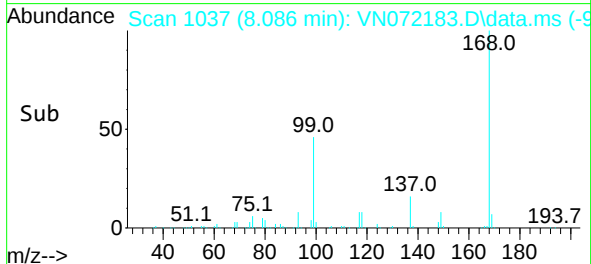
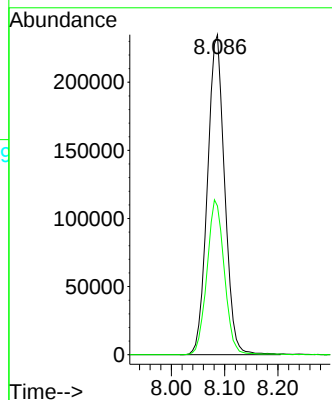
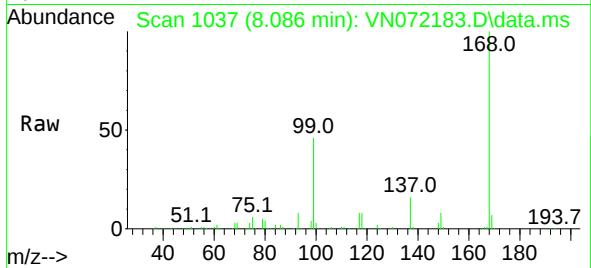




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

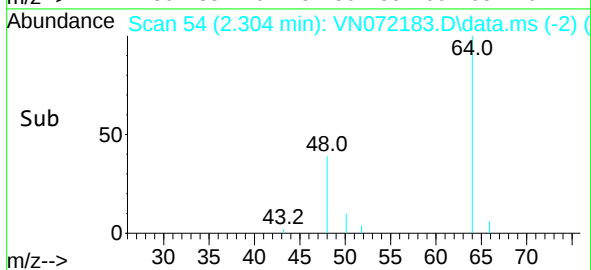
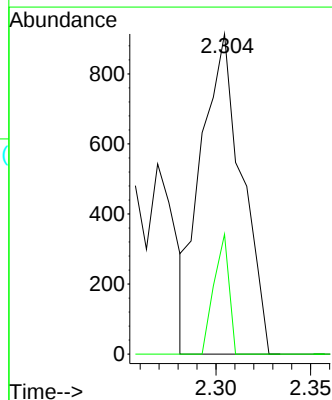
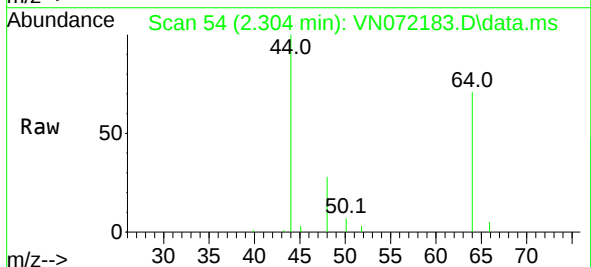
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#02

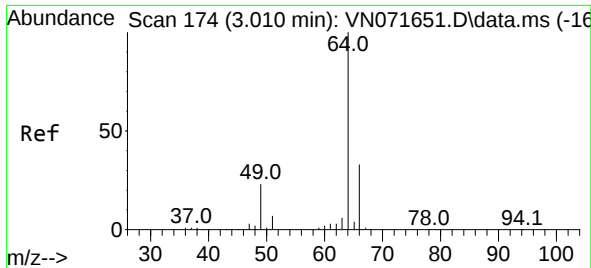
Tgt Ion:168 Resp: 526396
Ion Ratio Lower Upper
168 100
99 46.5 42.3 63.5



#3
Chloromethane
Concen: 0.258 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

Tgt Ion: 50 Resp: 1366
Ion Ratio Lower Upper
50 100
52 37.4 25.7 38.5

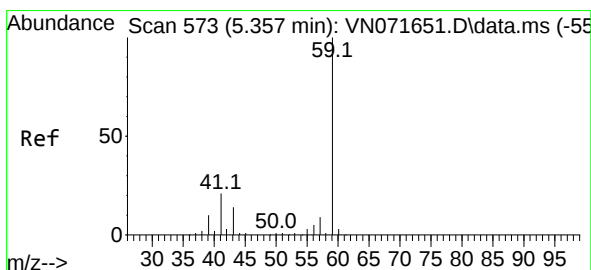
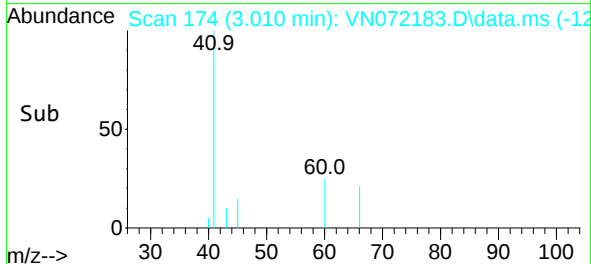
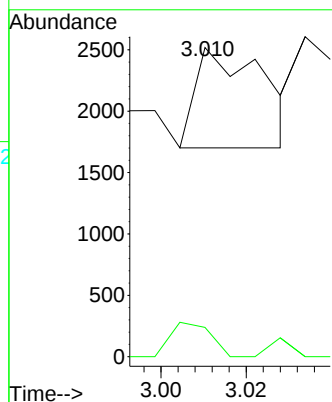
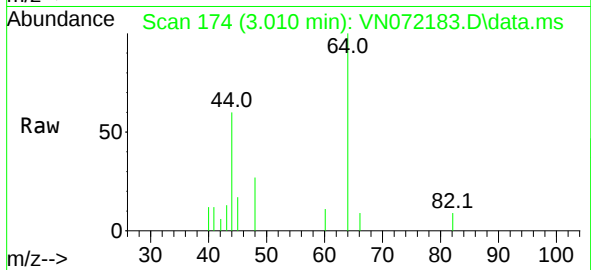




#6
Chloroethane
Concen: 0.215 ug/l
RT: 3.010 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

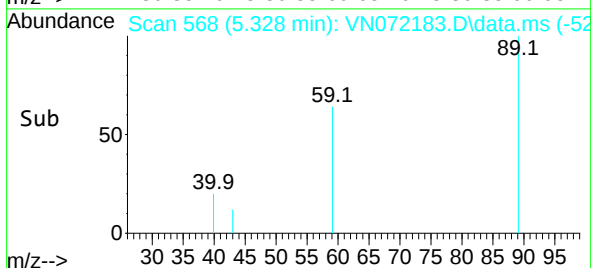
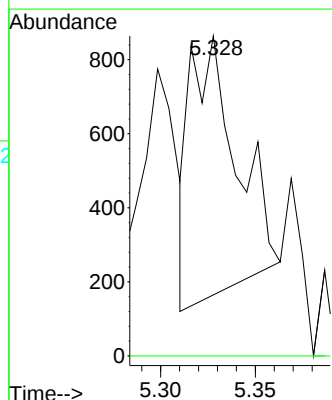
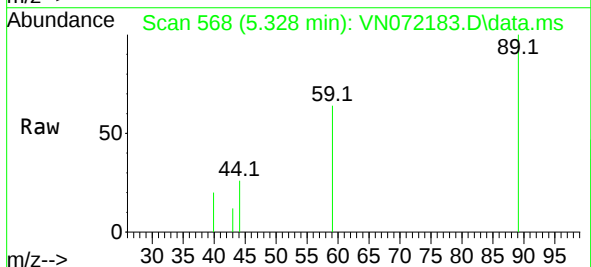
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#02

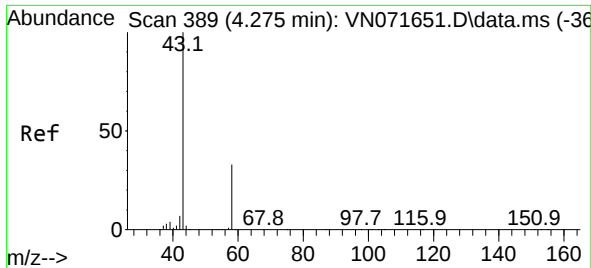
Tgt Ion: 64 Resp: 900
Ion Ratio Lower Upper
64 100
66 10.4 26.2 39.4#



#11
Tert butyl alcohol
Concen: 1.227 ug/l
RT: 5.328 min Scan# 568
Delta R.T. -0.029 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

Tgt Ion: 59 Resp: 1197
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

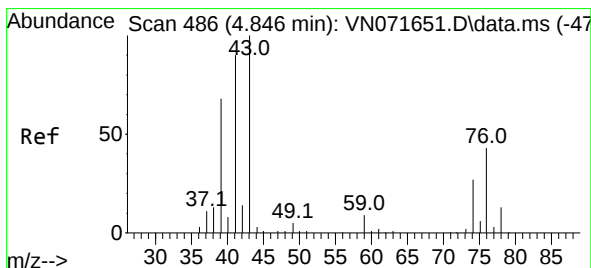
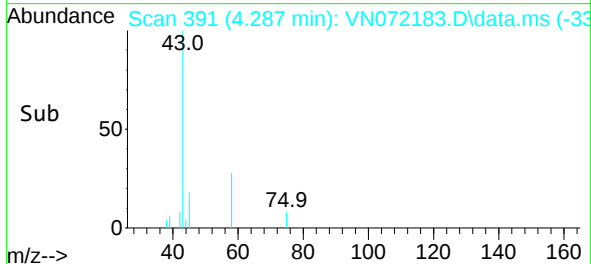
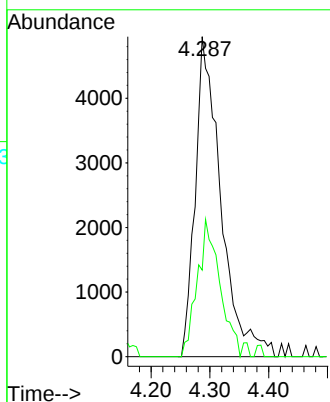
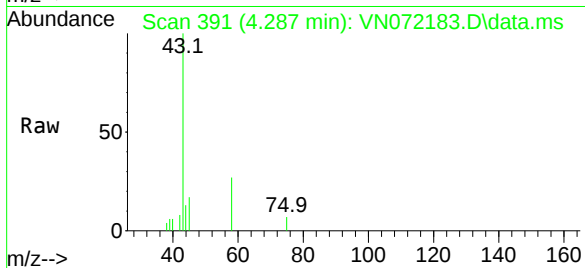




#16
Acetone
Concen: 5.823 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

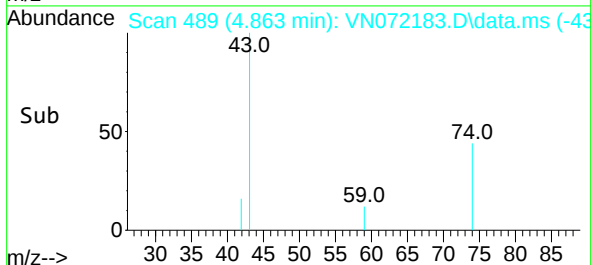
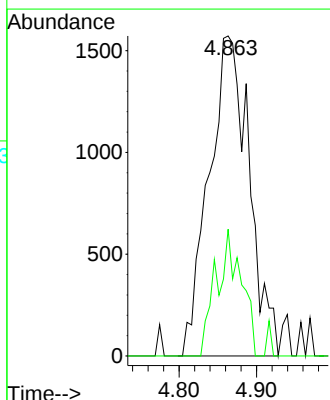
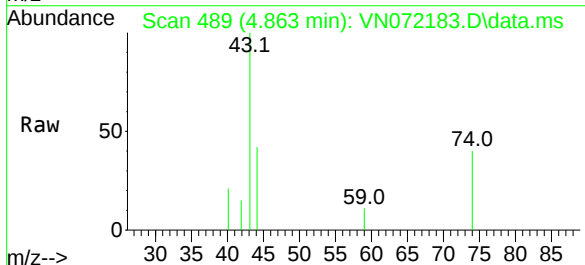
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#02

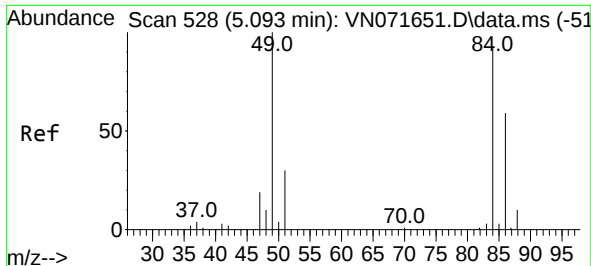
Tgt Ion: 43 Resp: 14954
Ion Ratio Lower Upper
43 100
58 27.0 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

Tgt Ion: 43 Resp: 5678
Ion Ratio Lower Upper
43 100
74 24.8 21.6 32.4

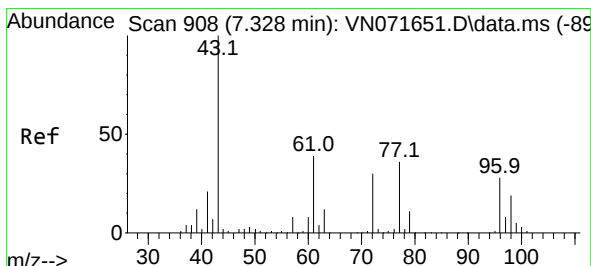
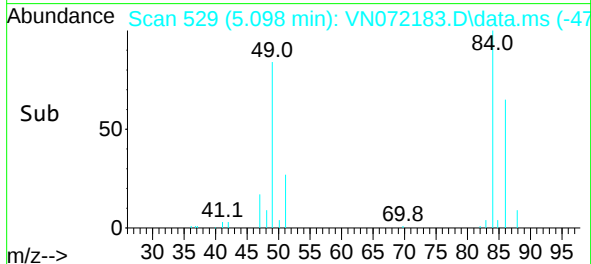
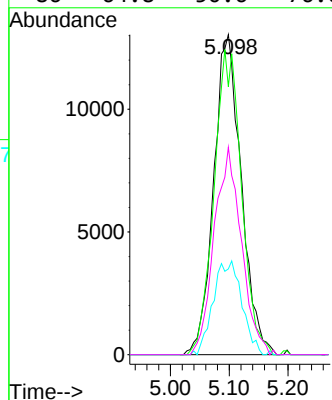
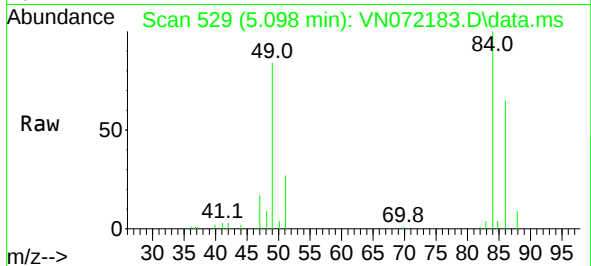




#20
Methylene Chloride
Concen: 7.846 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

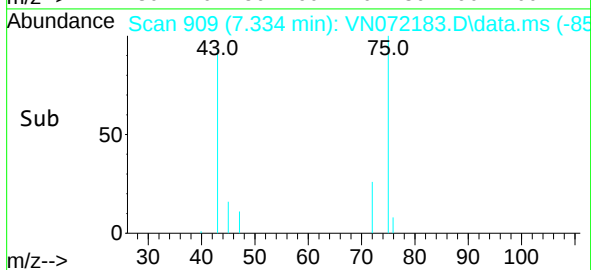
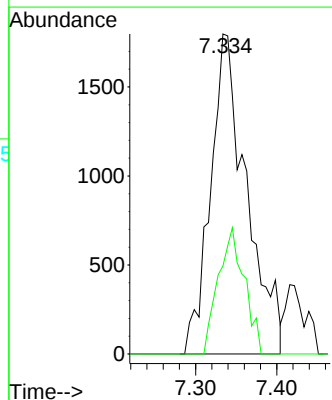
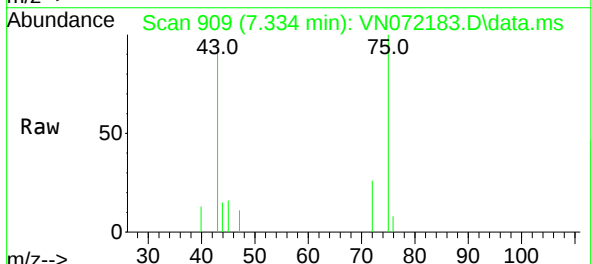
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#02

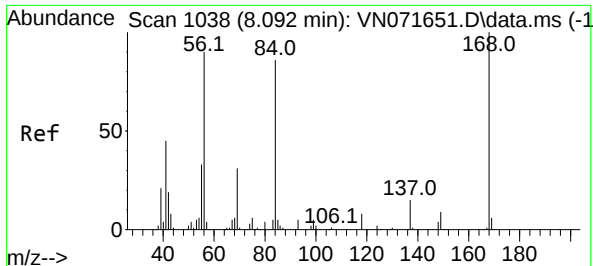
Tgt Ion: 84	Resp: 42472
Ion Ratio	Lower Upper
84 100	
49 83.7	88.3 132.5#
51 26.8	28.2 42.2#
86 64.8	50.6 76.0



#25
2-Butanone
Concen: 1.500 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

Tgt Ion: 43	Resp: 5554
Ion Ratio	Lower Upper
43 100	
72 27.5	23.7 35.5





#31

Cyclohexane

Concen: 0.867 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072183.D

Acq: 25 Apr 2022 16:40

Instrument :

MSVOA_N

ClientSampleId :

PB144332ZHE#02

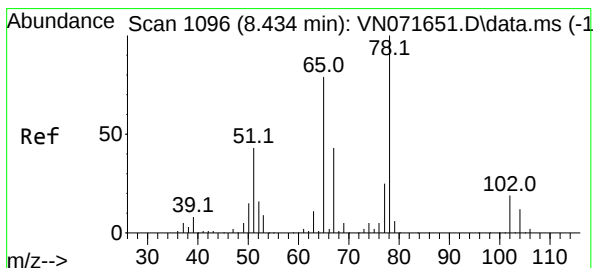
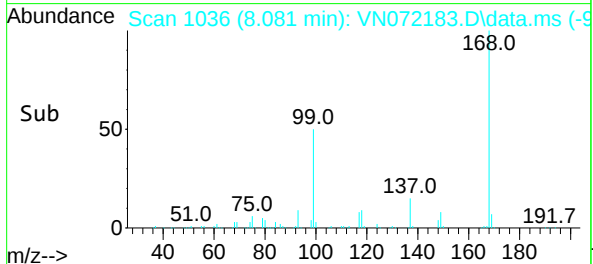
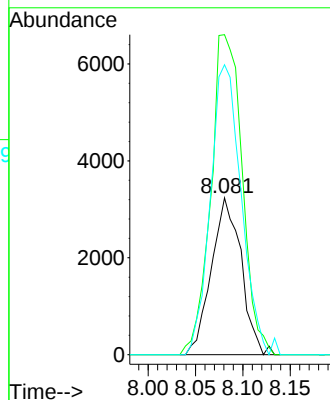
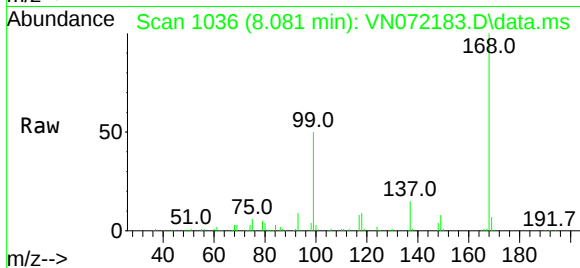
Tgt Ion: 56 Resp: 7087

Ion Ratio Lower Upper

56 100

69 204.2 27.8 41.8#

84 185.0 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 43.552 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072183.D

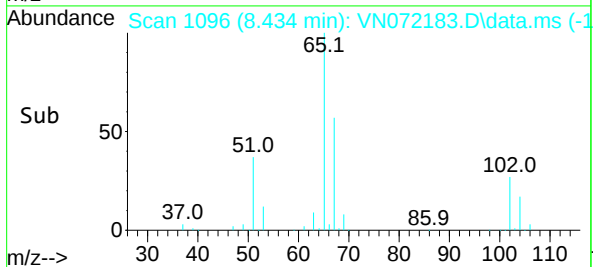
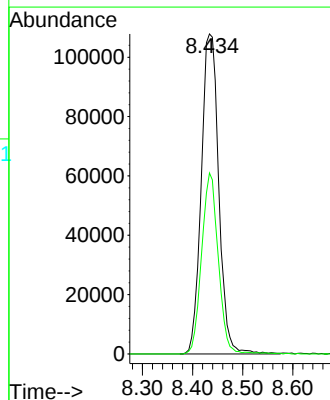
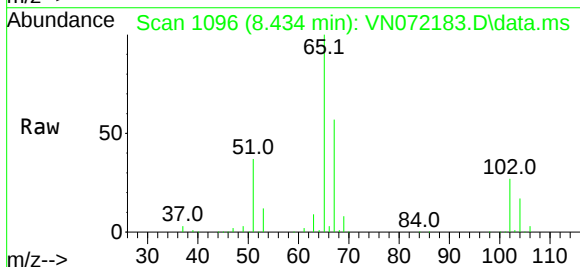
Acq: 25 Apr 2022 16:40

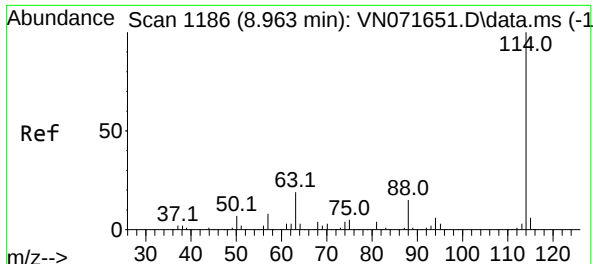
Tgt Ion: 65 Resp: 261725

Ion Ratio Lower Upper

65 100

67 53.8 0.0 104.8

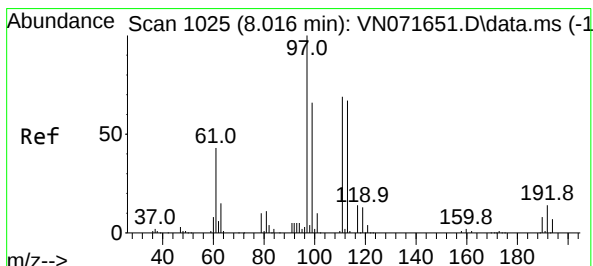
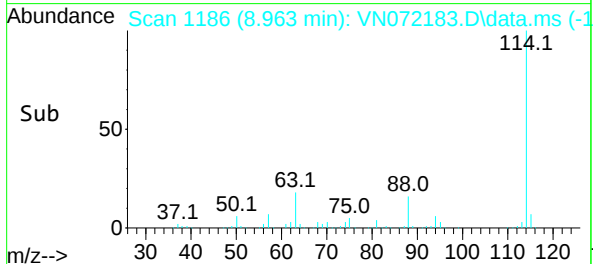
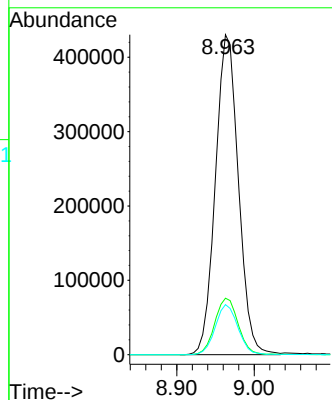
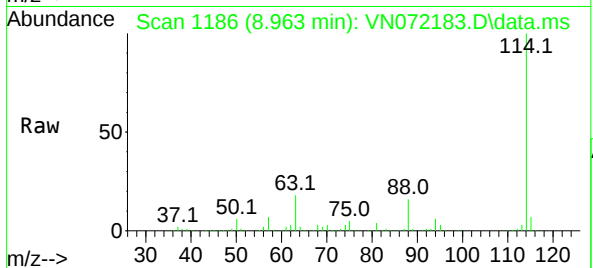




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

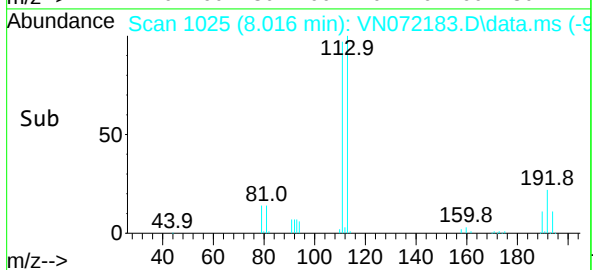
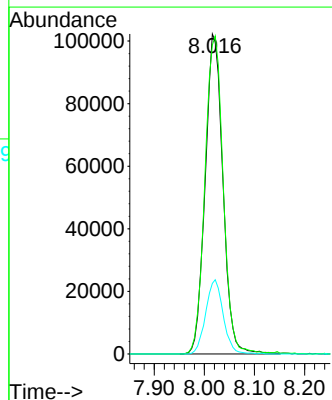
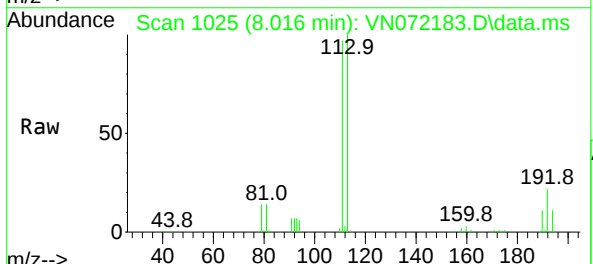
Instrument :
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PB144332ZHE#02

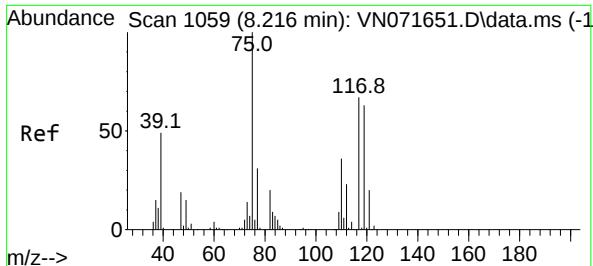
Tgt Ion:114 Resp: 889798
Ion Ratio Lower Upper
114 100
63 17.6 0.0 40.0
88 15.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.028 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

Tgt Ion:113 Resp: 251472
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.0
192 22.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.499 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072183.D

Acq: 25 Apr 2022 16:40

Instrument :

MSVOA_N

ClientSampleId :

PB144332ZHE#02

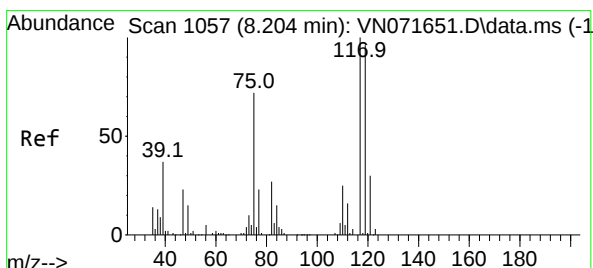
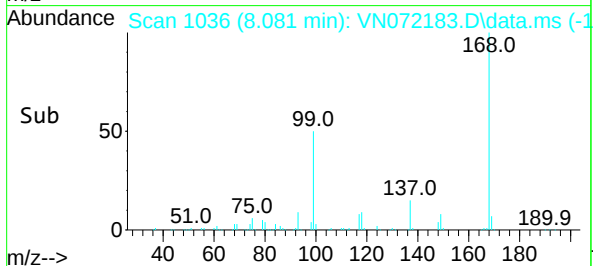
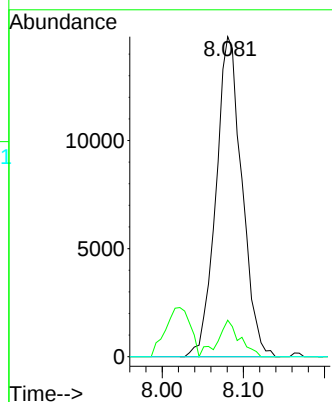
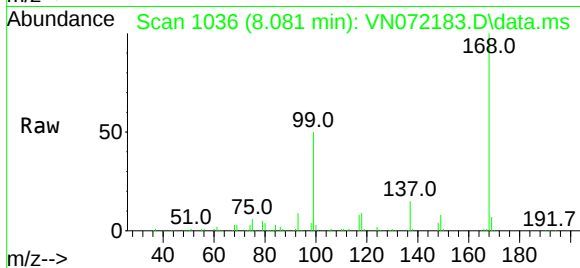
Tgt Ion: 75 Resp: 32899

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.209 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN072183.D

Acq: 25 Apr 2022 16:40

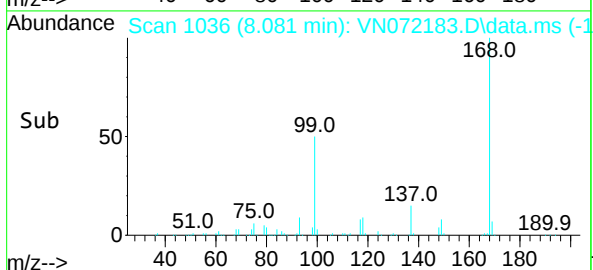
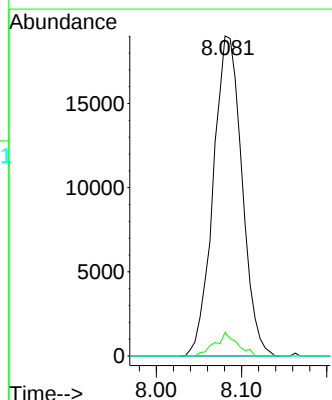
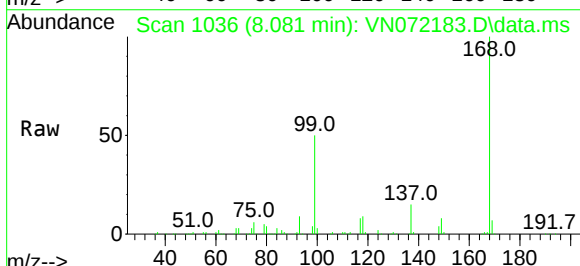
Tgt Ion: 117 Resp: 44497

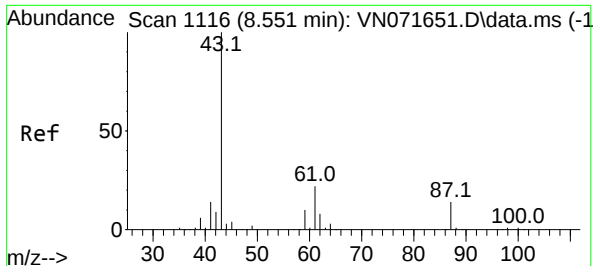
Ion Ratio Lower Upper

117 100

119 7.3 75.8 113.8#

121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 3.282 ug/l

RT: 8.557 min Scan# 1116

Delta R.T. 0.006 min

Lab File: VN072183.D

Acq: 25 Apr 2022 16:40

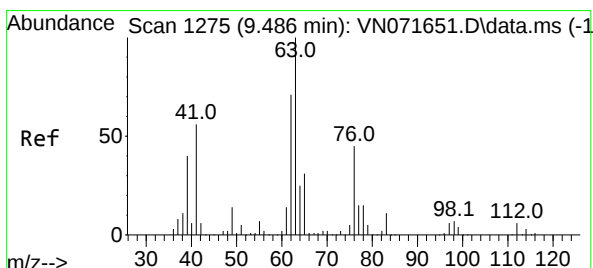
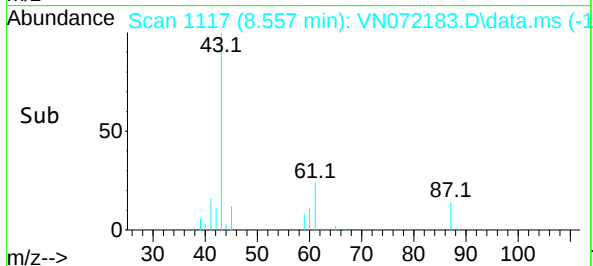
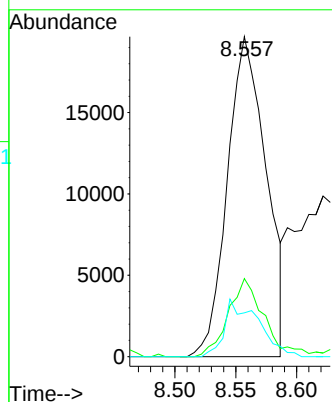
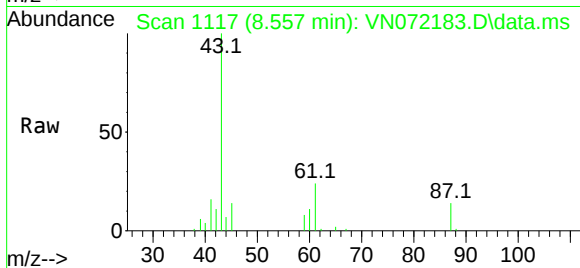
Instrument :

MSVOA_N

ClientSampleId :

PB144332ZHE#02

Tgt Ion:	43	Resp:	43686
Ion	Ratio	Lower	Upper
43	100		
61	22.8	21.9	32.9
87	15.7	12.0	18.0



#45

1,2-Dichloropropane

Concen: 0.657 ug/l

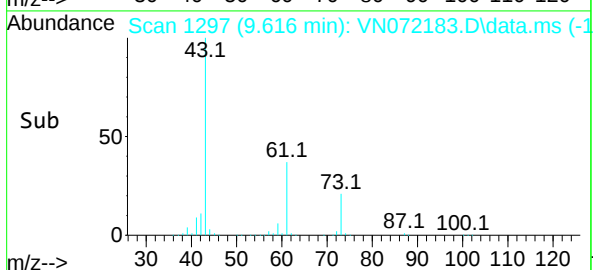
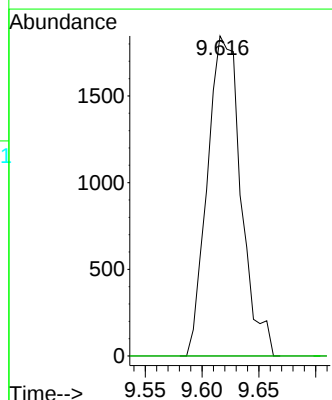
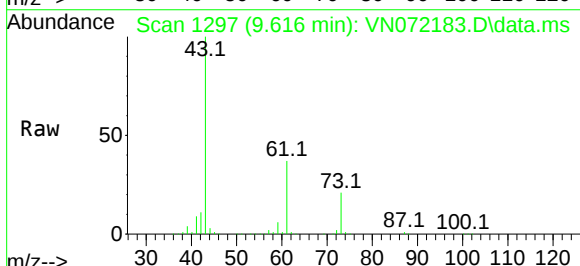
RT: 9.616 min Scan# 1297

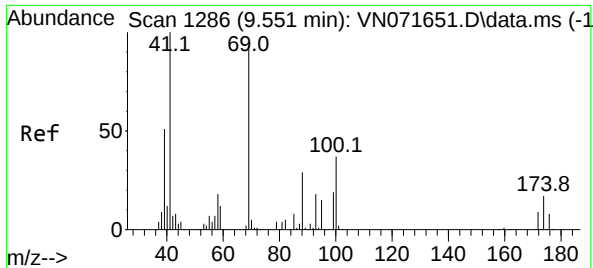
Delta R.T. 0.130 min

Lab File: VN072183.D

Acq: 25 Apr 2022 16:40

Tgt Ion:	63	Resp:	3791
Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.9	37.3#

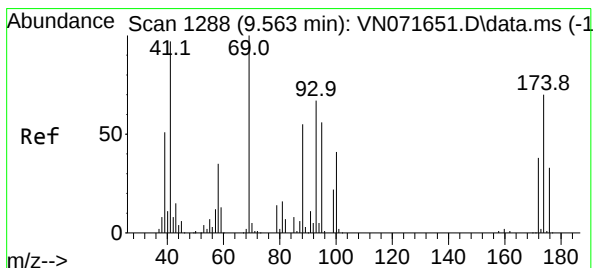
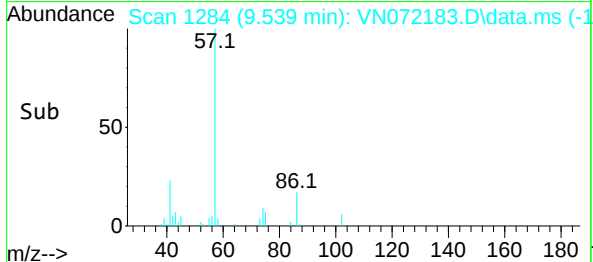
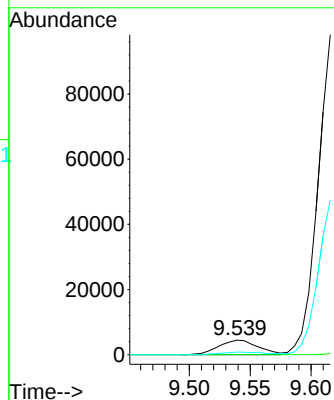
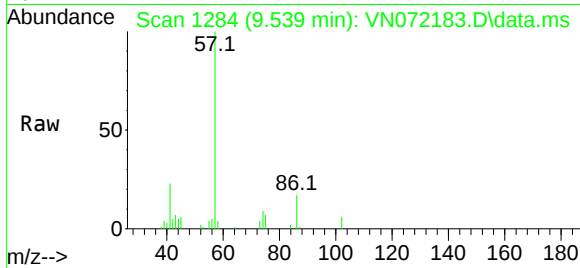




#48
Methyl methacrylate
Concen: 1.814 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

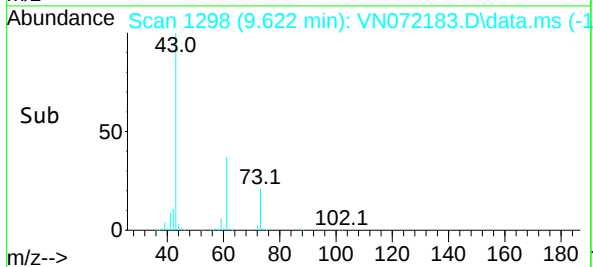
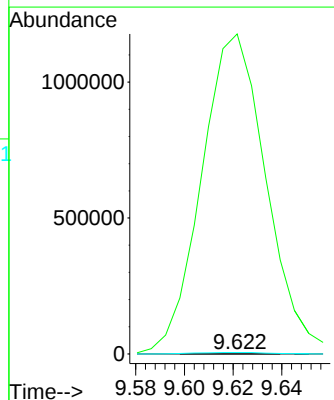
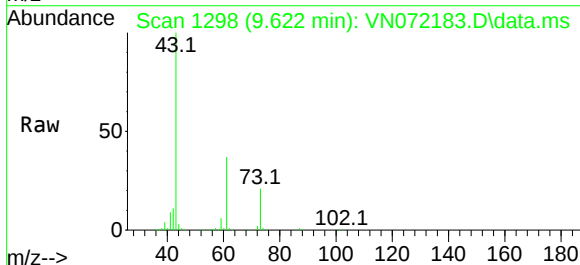
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#02

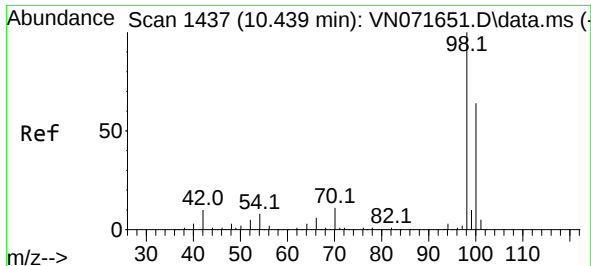
Tgt Ion: 41 Resp: 10016
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

Tgt Ion: 88 Resp: 340
Ion Ratio Lower Upper
88 100
43 655771.2 20.2 30.4#
58 3557.9 54.2 81.4#

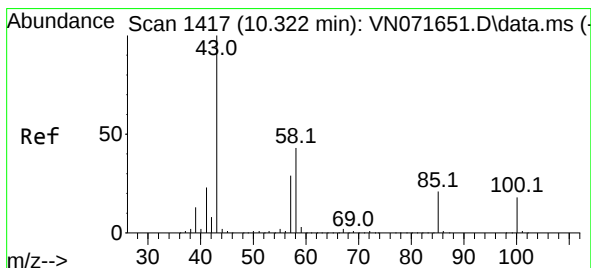
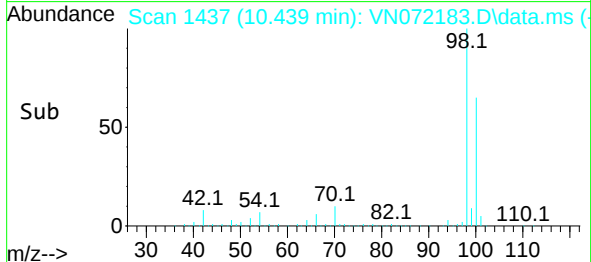
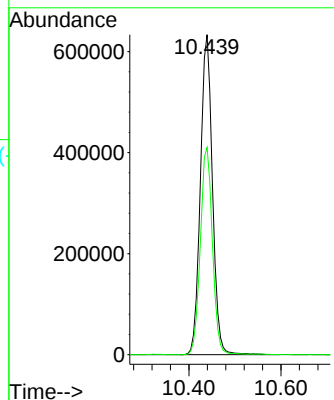
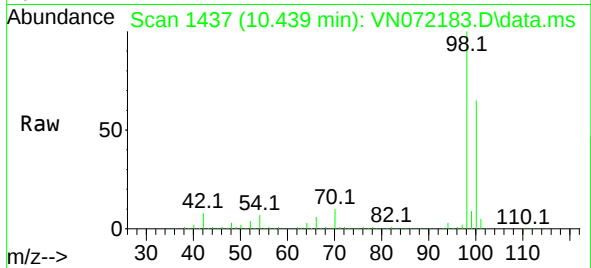




#50
Toluene-d8
Concen: 53.914 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

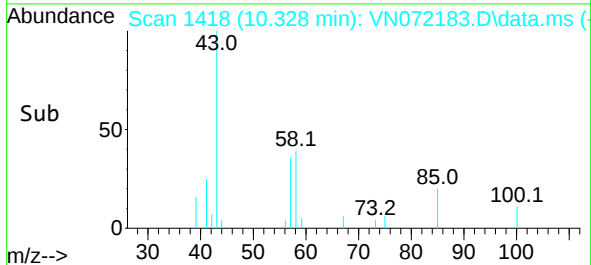
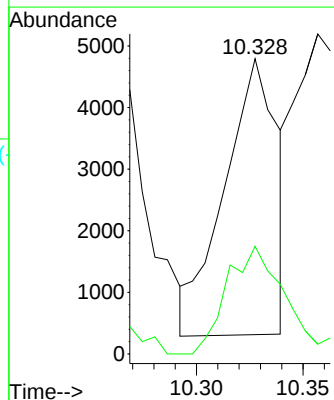
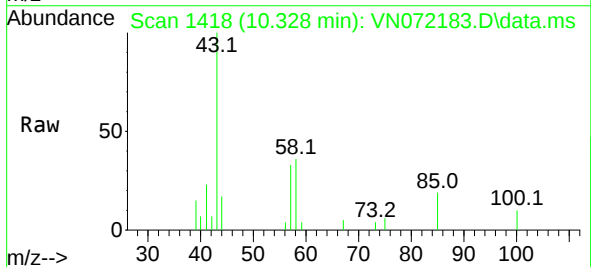
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#02

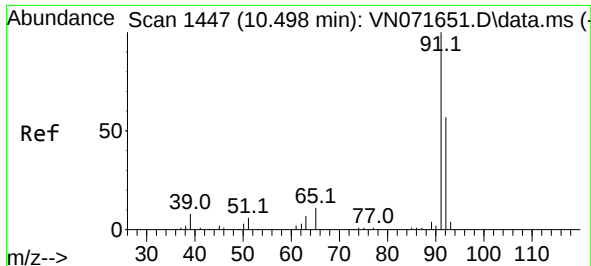
Tgt Ion: 98 Resp: 1154784
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.008 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

Tgt Ion: 43 Resp: 7713
Ion Ratio Lower Upper
43 100
58 42.8 34.1 51.1

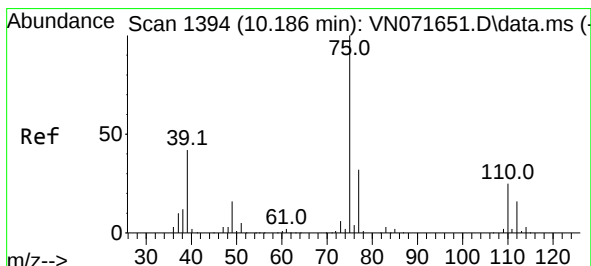
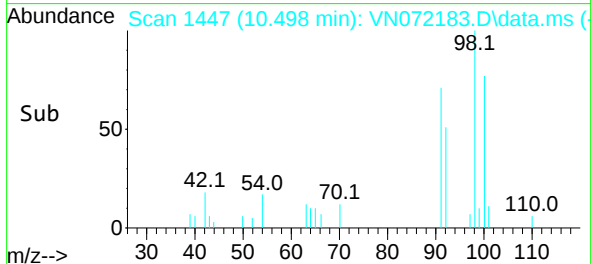
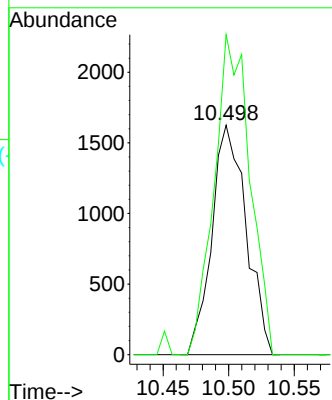
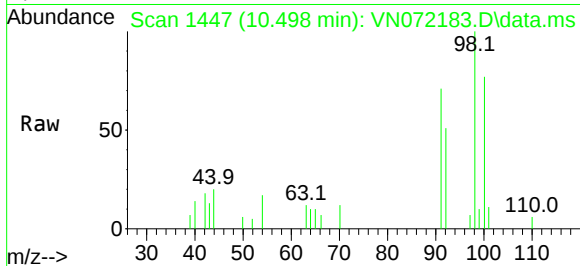




#52
Toluene
Concen: 0.203 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

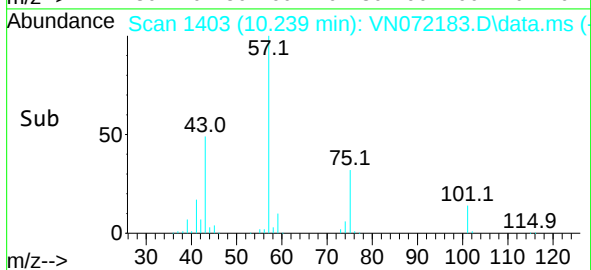
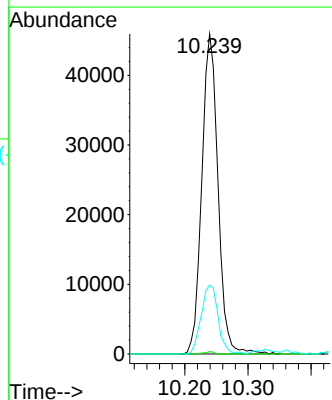
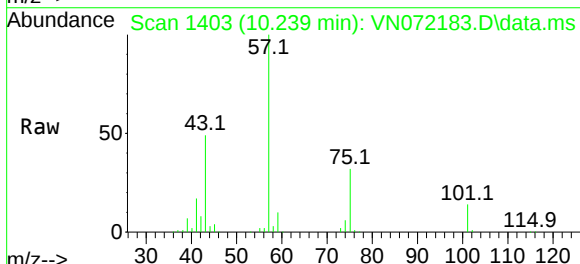
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#02

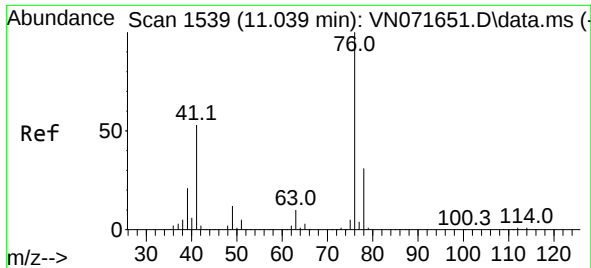
Tgt Ion: 92 Resp: 2958
Ion Ratio Lower Upper
92 100
91 145.6 138.6 207.8



#54
cis-1,3-Dichloropropene
Concen: 9.136 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

Tgt Ion: 75 Resp: 81586
Ion Ratio Lower Upper
75 100
77 0.8 25.2 37.8#
39 21.5 35.7 53.5#

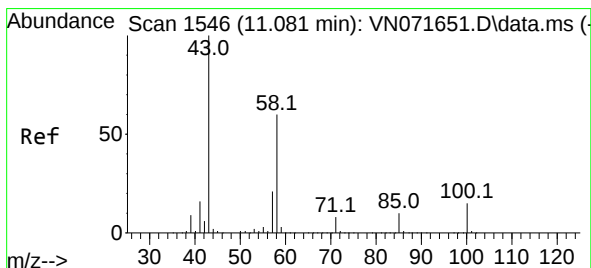
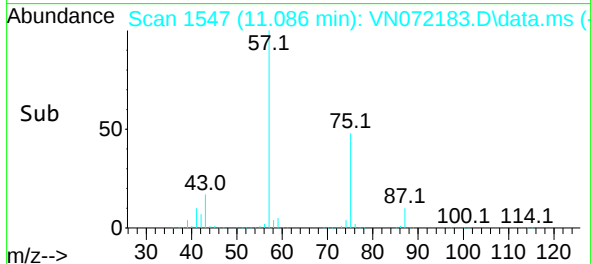
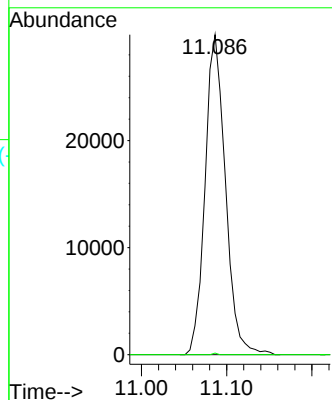
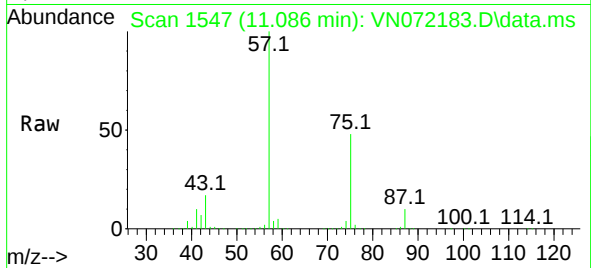




#57
1,3-Dichloropropane
Concen: 4.943 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

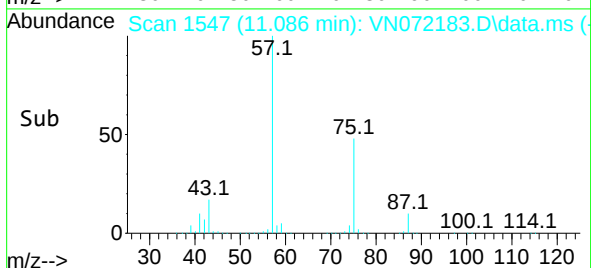
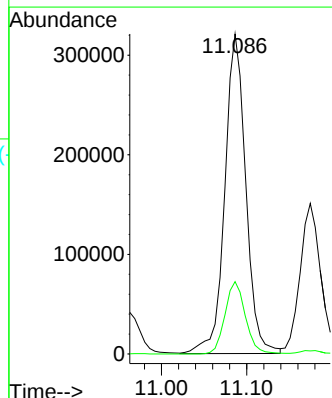
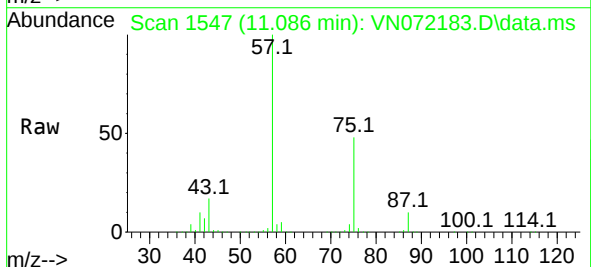
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#02

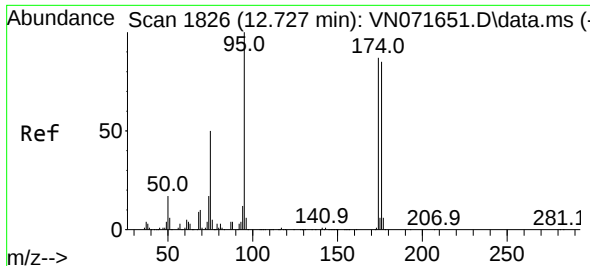
Tgt Ion: 76 Resp: 49661
Ion Ratio Lower Upper
76 100
78 0.1 26.2 39.2#



#59
2-Hexanone
Concen: 102.047 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.005 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

Tgt Ion: 43 Resp: 549865
Ion Ratio Lower Upper
43 100
58 22.0 29.7 89.1#

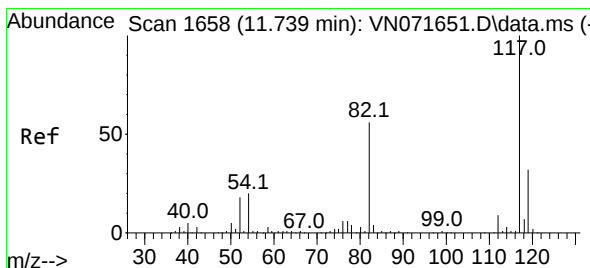
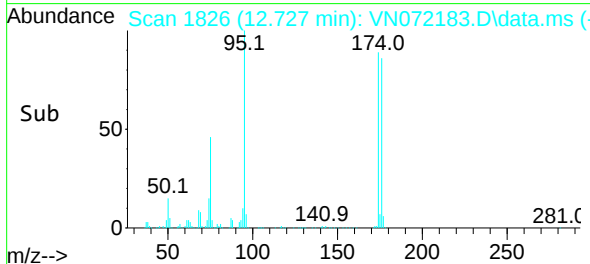
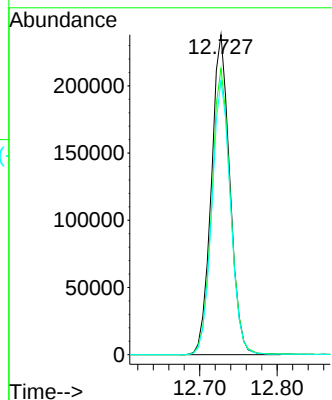
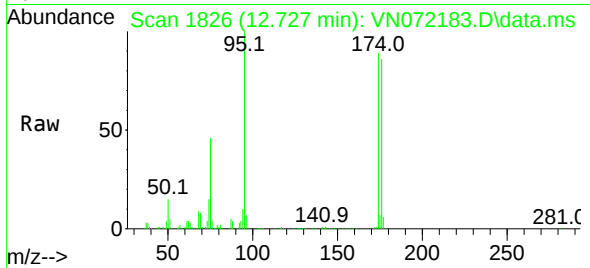




#62
4-Bromofluorobenzene
Concen: 57.090 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

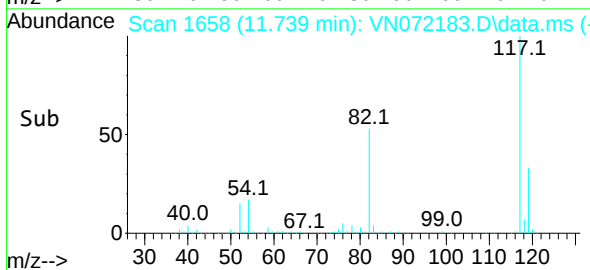
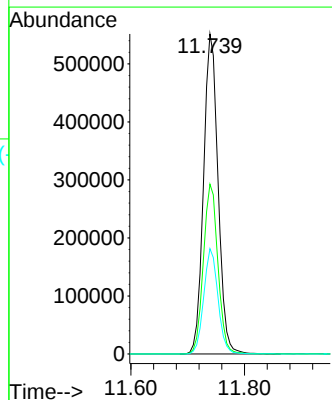
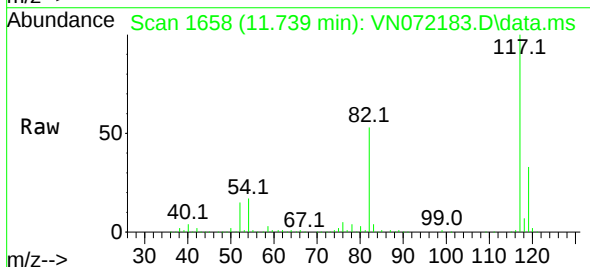
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#02

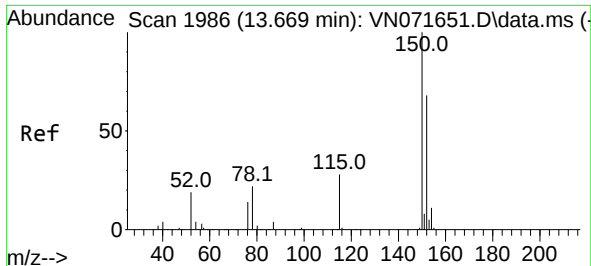
Tgt Ion: 95 Resp: 395477
Ion Ratio Lower Upper
95 100
174 90.3 0.0 167.6
176 86.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

Tgt Ion: 117 Resp: 977333
Ion Ratio Lower Upper
117 100
82 53.0 44.2 66.2
119 32.9 25.4 38.0

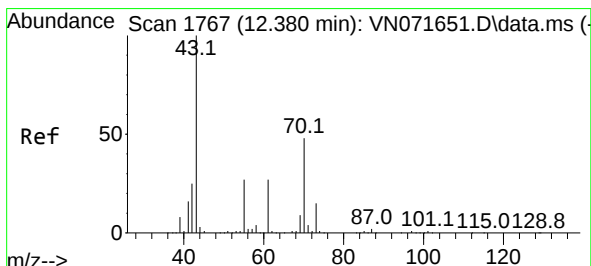
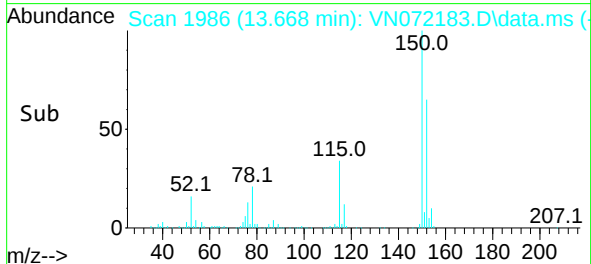
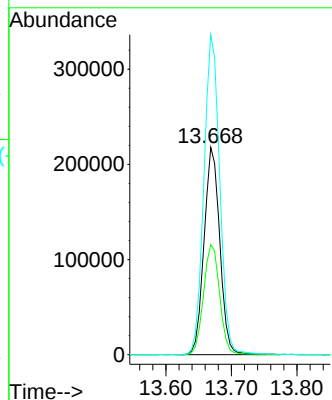
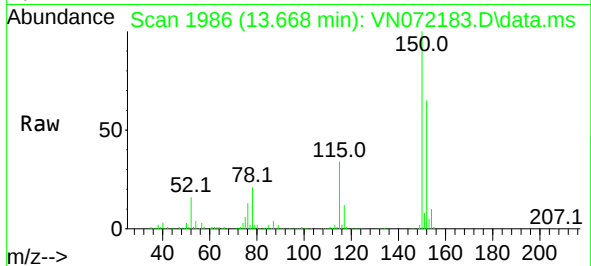




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

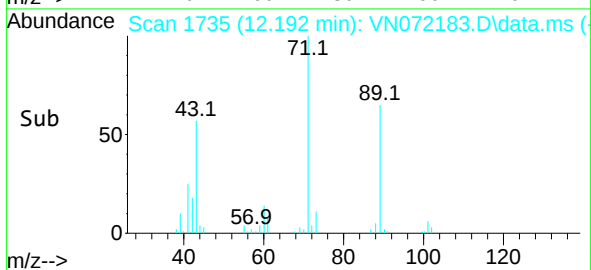
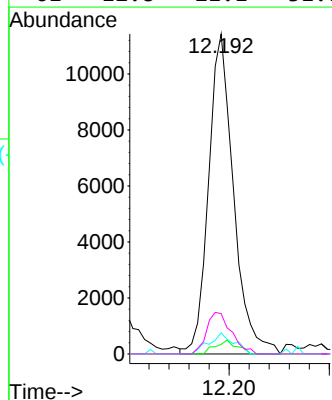
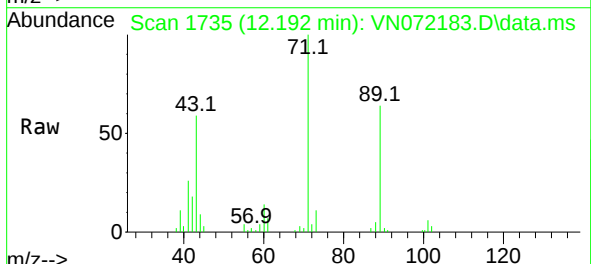
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#02

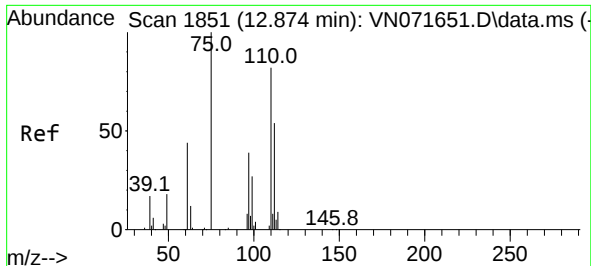
Tgt Ion:152 Resp: 364434
Ion Ratio Lower Upper
152 100
115 54.5 28.9 86.7
150 155.8 0.0 356.2



#74
N-ethyl acetate
Concen: 2.250 ug/l
RT: 12.192 min Scan# 1735
Delta R.T. -0.188 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

Tgt Ion: 43 Resp: 19796
Ion Ratio Lower Upper
43 100
70 3.7 39.0 58.4#
55 6.5 21.1 31.7#
61 12.8 21.1 31.7#

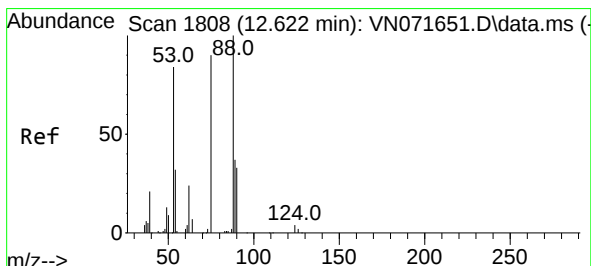
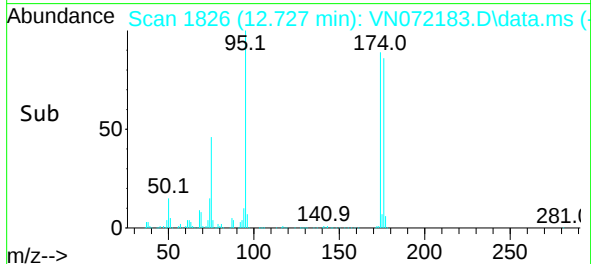
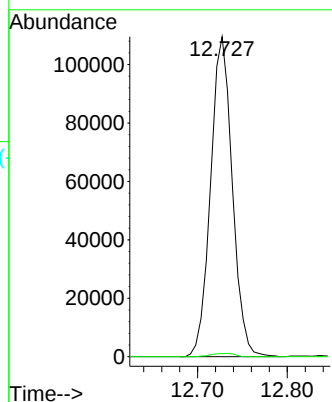
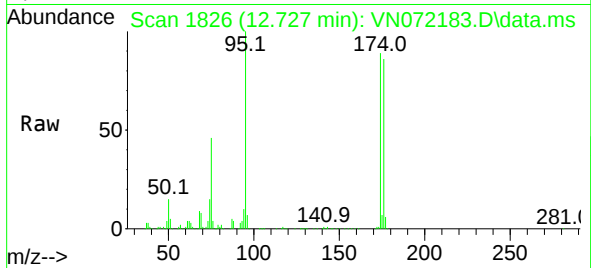




#76
1,2,3-Trichloropropane
Concen: 21.806 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

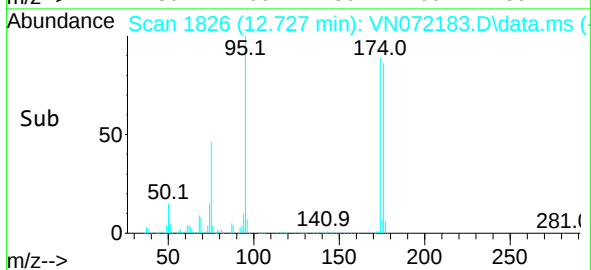
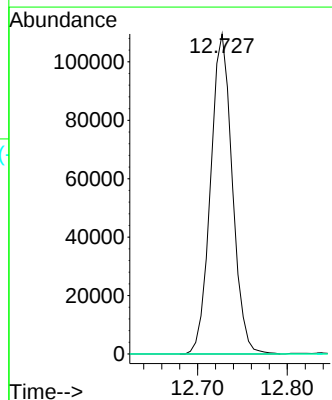
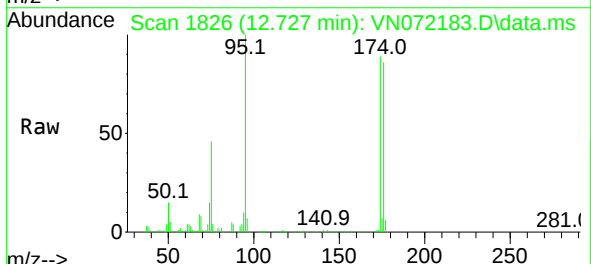
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#02

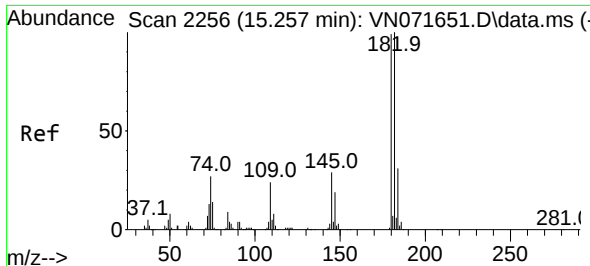
Tgt Ion: 75 Resp: 184095
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.576 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072183.D
Acq: 25 Apr 2022 16:40

Tgt Ion: 75 Resp: 184095
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#93

1,2,4-Trichlorobenzene

Concen: 2.115 ug/l

RT: 15.262 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN072183.D

Acq: 25 Apr 2022 16:40

Instrument :

MSVOA_N

ClientSampleId :

PB144332ZHE#02

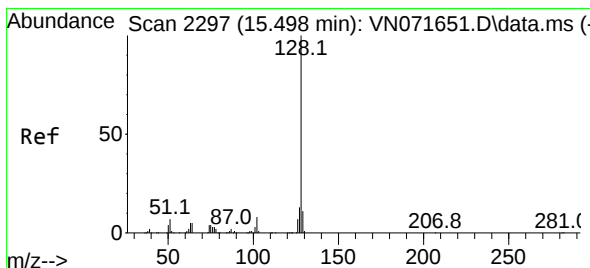
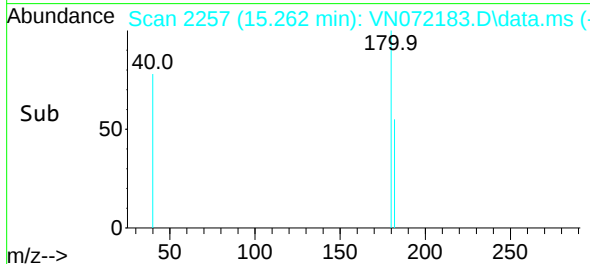
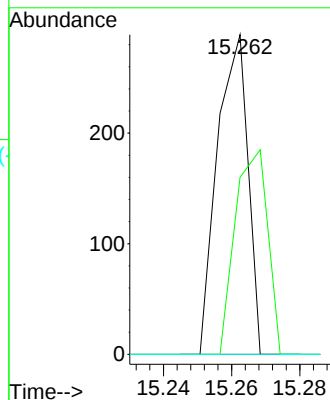
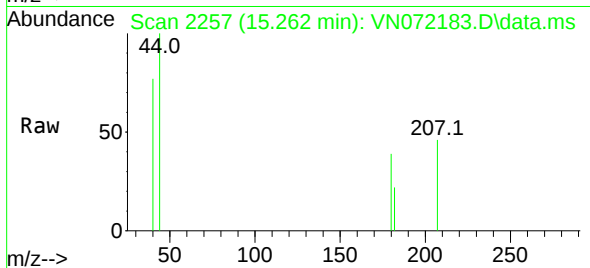
Tgt Ion:180 Resp: 179

Ion Ratio Lower Upper

180 100

182 68.2 47.5 142.5

145 0.0 14.5 43.5#



#95

Naphthalene

Concen: 3.995 ug/l

RT: 15.498 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VN072183.D

Acq: 25 Apr 2022 16:40

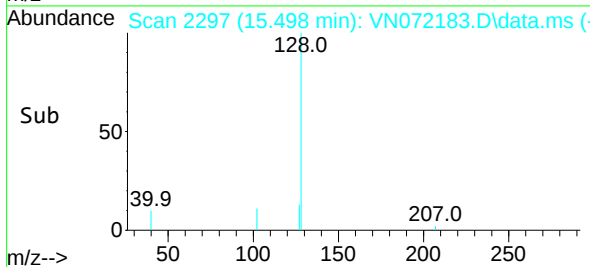
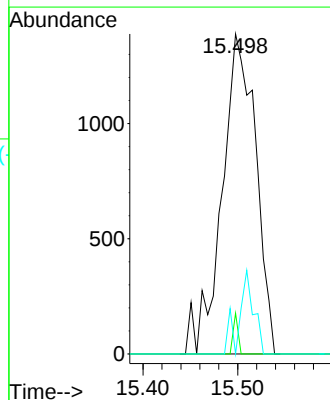
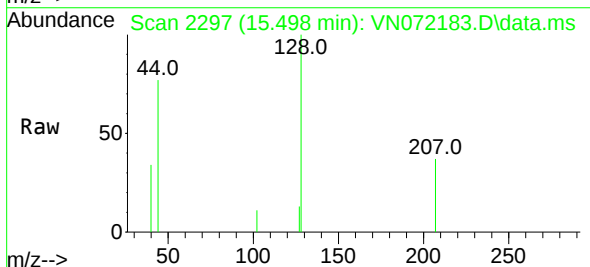
Tgt Ion:128 Resp: 3443

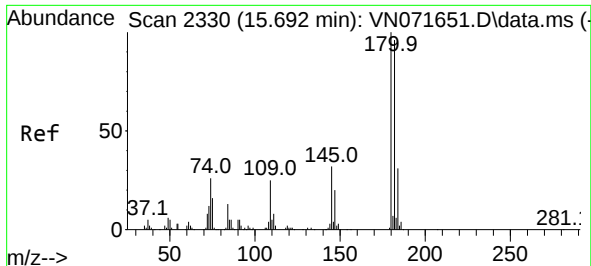
Ion Ratio Lower Upper

128 100

127 1.8 10.3 15.5#

129 11.3 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 2.436 ug/l

RT: 15.698 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN072183.D

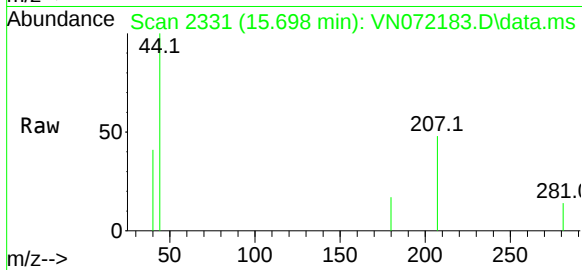
Acq: 25 Apr 2022 16:40

Instrument :

MSVOA_N

ClientSampleId :

PB144332ZHE#02



Tgt Ion:180 Resp: 128

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.3#

145 0.0 15.5 46.5#

