

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051322\
 Data File : VN072471.D
 Acq On : 13 May 2022 12:31
 Operator : JC\MD
 Sample : VN0513MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBL01

Quant Time: May 13 14:39:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:43:28 2022
 Response via : Initial Calibration

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

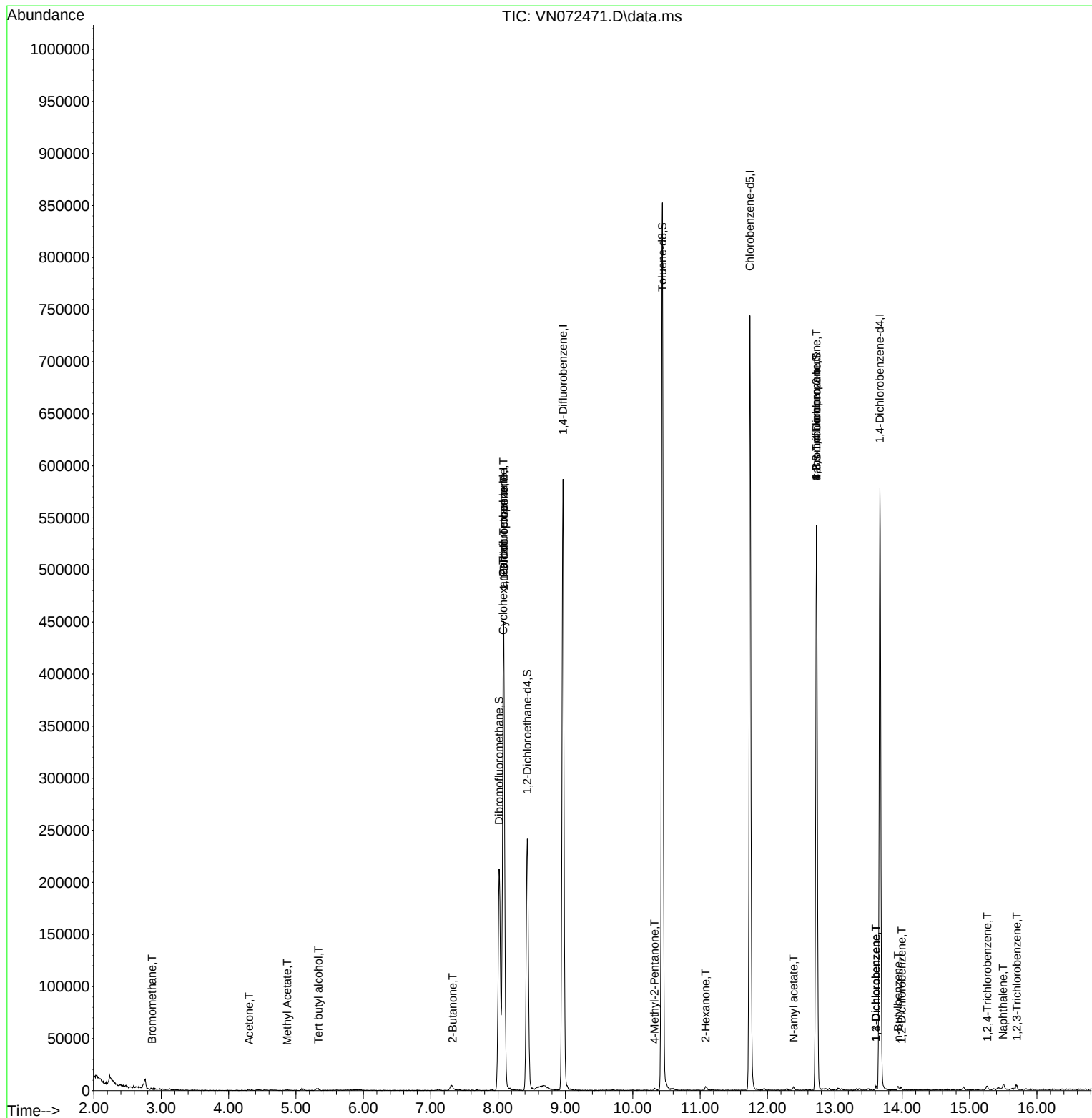
Internal Standards						
1) Pentafluorobenzene	8.081	168	320649	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	496070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	420396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	157871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	220766	44.951	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.900%		
35) Dibromofluoromethane	8.016	113	152877	46.322	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.640%		
50) Toluene-d8	10.439	98	582048	46.307	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	92.620%		
62) 4-Bromofluorobenzene	12.727	95	181815	43.555	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.120%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	587	Below Cal	#	43
5) Bromomethane	2.863	94	621	0.306	ug/l	88
6) Chloroethane	2.969	64	807	Below Cal	#	42
11) Tert butyl alcohol	5.334	59	1609	2.004	ug/l	# 72
16) Acetone	4.304	43	1765	0.907	ug/l	95
18) Methyl Acetate	4.869	43	1233	0.215	ug/l	# 48
25) 2-Butanone	7.328	43	731	0.238	ug/l	# 45
31) Cyclohexane	8.075	56	7497	1.152	ug/l	# 44
36) 1,1-Dichloropropene	8.086	75	26460	5.582	ug/l	# 50
38) Carbon Tetrachloride	8.081	117	35829	6.754	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.322	43	1731	0.319	ug/l	# 66
59) 2-Hexanone	11.080	43	3556	0.935	ug/l	80
74) N-amyl acetate	12.386	43	2286	0.495	ug/l	# 86
76) 1,2,3-Trichloropropane	12.727	75	105444	25.608	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	105444	85.430	ug/l	# 10
87) 1,3-Dichlorobenzene	13.610	146	1135	0.210	ug/l	96
88) 1,4-Dichlorobenzene	13.610	146	1135	0.211	ug/l	98
89) n-Butylbenzene	13.939	91	2827	0.380	ug/l	90
91) 1,2-Dichlorobenzene	13.992	146	1272	0.236	ug/l	89
93) 1,2,4-Trichlorobenzene	15.262	180	1657	0.812	ug/l	84
95) Naphthalene	15.498	128	7032	4.049	ug/l	# 90
96) 1,2,3-Trichlorobenzene	15.704	180	2167	1.059	ug/l	90

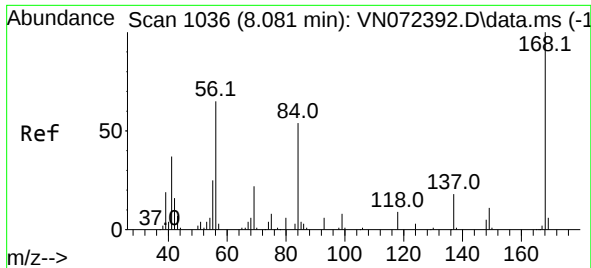
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051322\
Data File : VN072471.D
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Operator : JC\MD
Sample : VN0513MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBL01

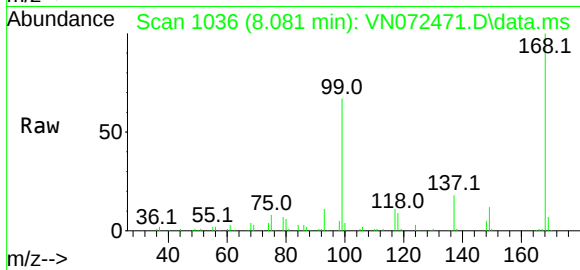
Quant Time: May 13 14:39:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
Quant Title : SW846 8260
QLast Update : Tue May 10 15:43:28 2022
Response via : Initial Calibration



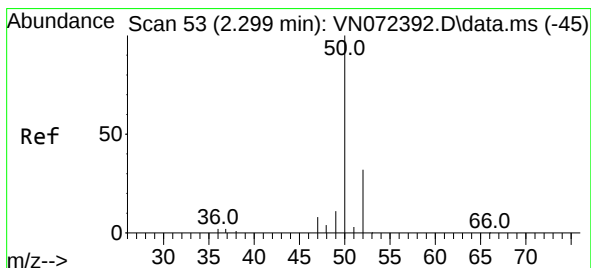
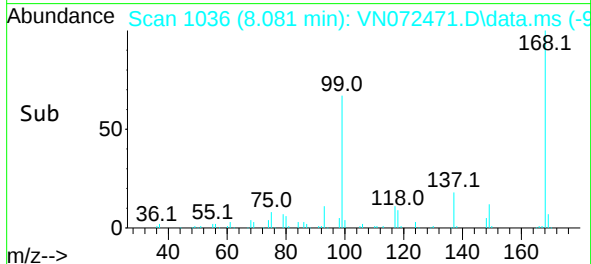
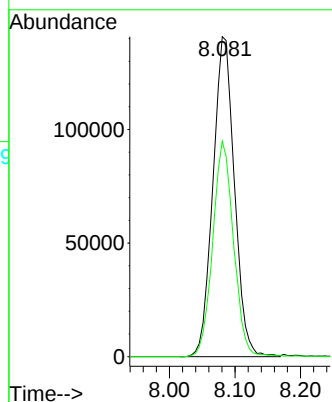


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBL01

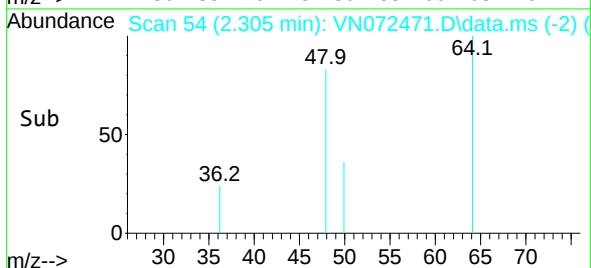
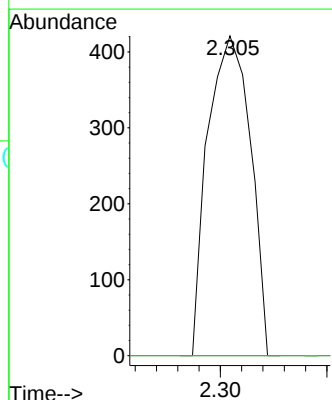
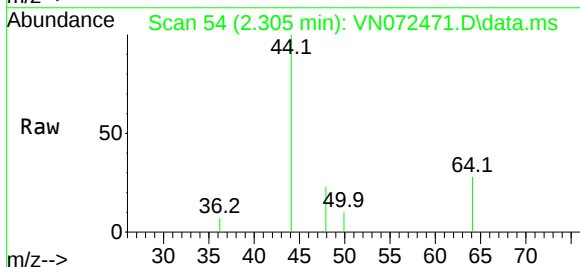


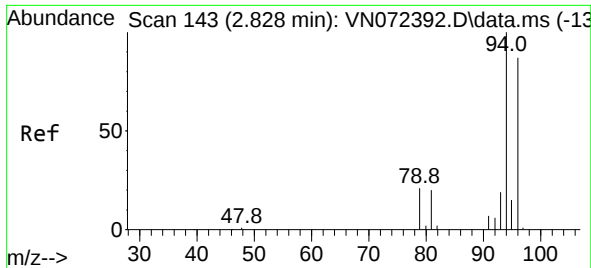
Tgt Ion:168 Resp: 320649
Ion Ratio Lower Upper
168 100
99 67.3 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

Tgt Ion: 50 Resp: 587
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#5

Bromomethane

Concen: 0.306 ug/l

RT: 2.863 min Scan# 14

Delta R.T. 0.035 min

Lab File: VN072471.D

Acq: 13 May 2022 12:31

Instrument :

MSVOA_N

ClientSampleId :

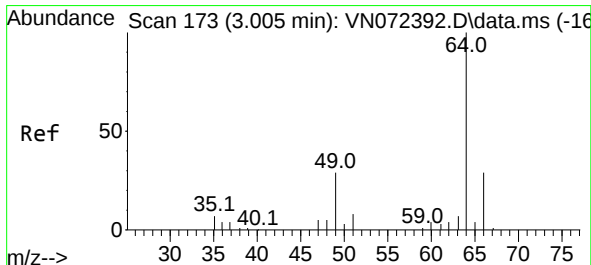
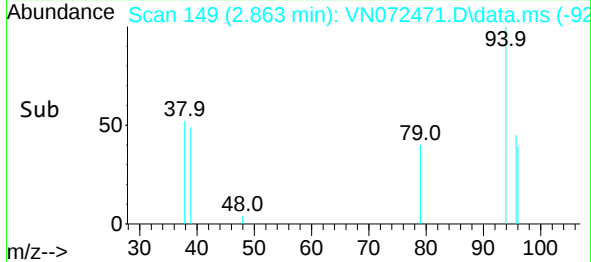
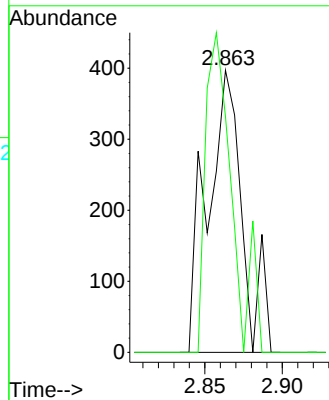
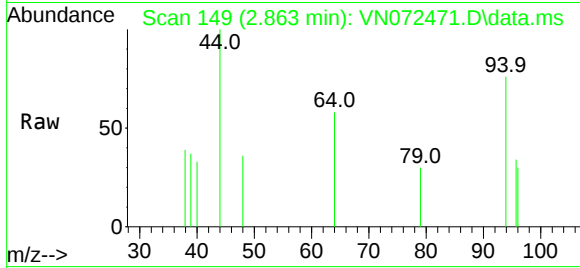
VN0513MBL01

Tgt Ion: 94 Resp: 621

Ion Ratio Lower Upper

94 100

96 83.6 76.0 114.0



#6

Chloroethane

Concen: Below Cal

RT: 2.969 min Scan# 167

Delta R.T. -0.036 min

Lab File: VN072471.D

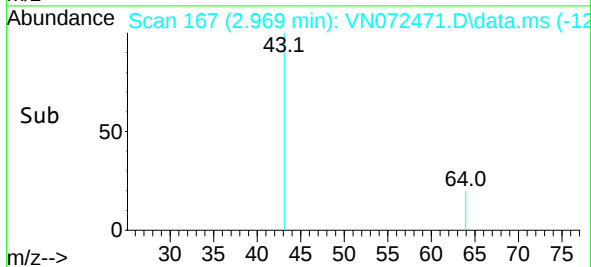
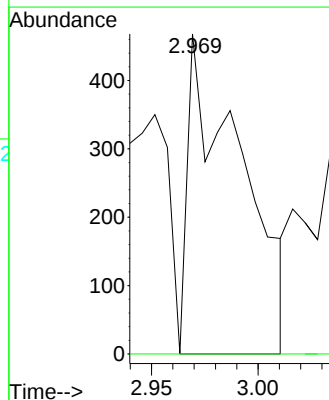
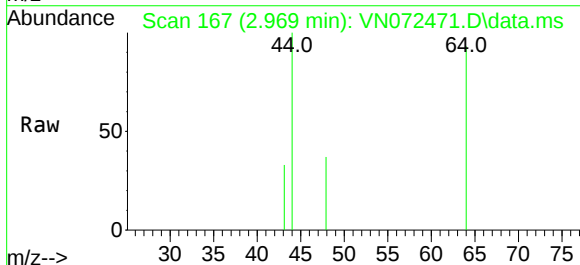
Acq: 13 May 2022 12:31

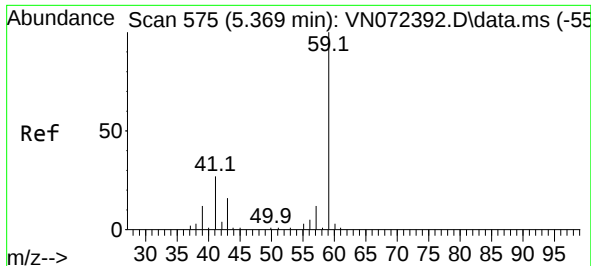
Tgt Ion: 64 Resp: 807

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

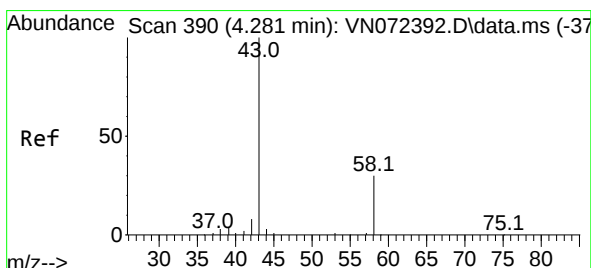
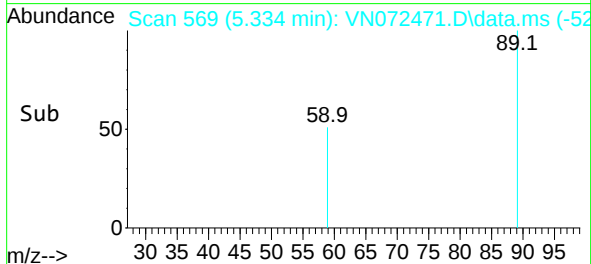
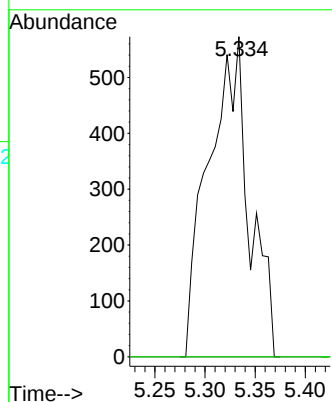
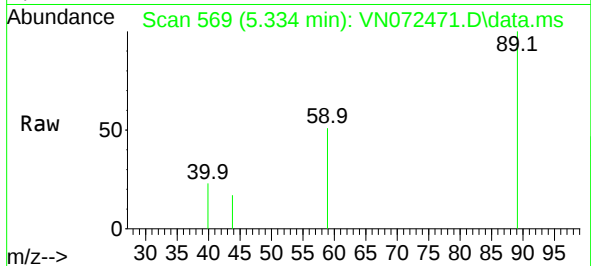




#11
Tert butyl alcohol
Concen: 2.004 ug/l
RT: 5.334 min Scan# 511
Delta R.T. -0.035 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

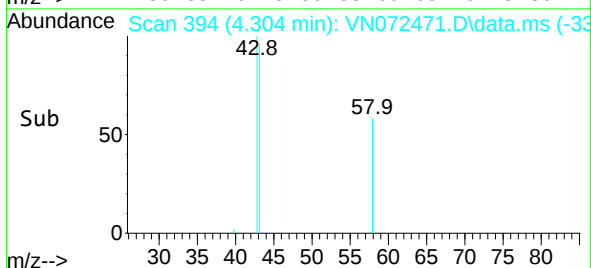
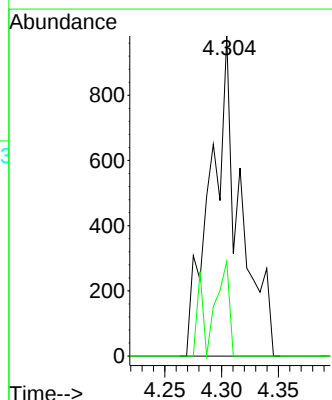
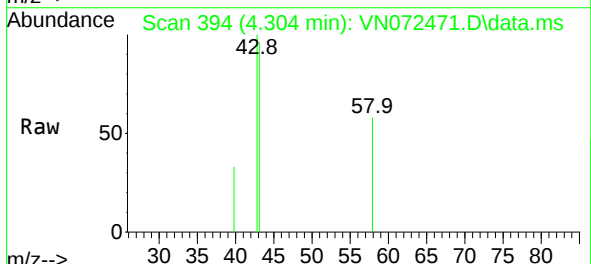
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBL01

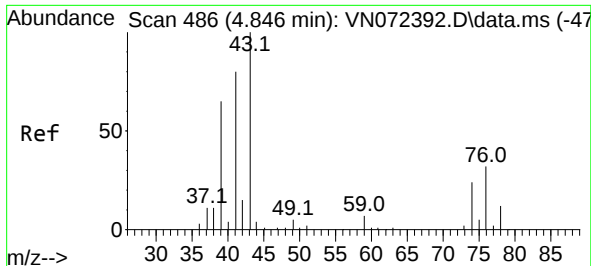
Tgt Ion: 59 Resp: 1609
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 0.907 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.023 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

Tgt Ion: 43 Resp: 1765
Ion Ratio Lower Upper
43 100
58 29.6 26.0 39.0

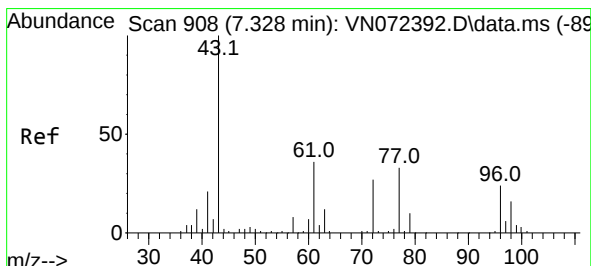
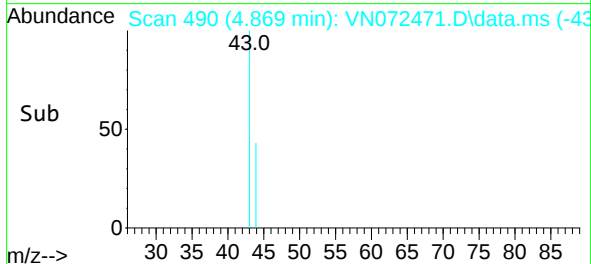
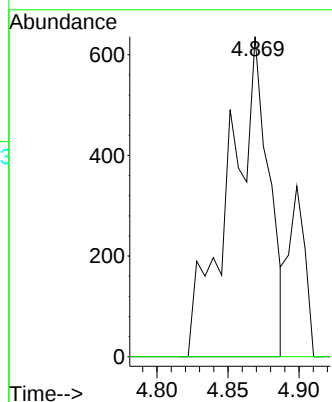
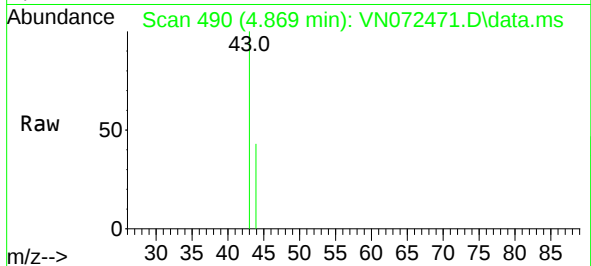




#18
Methyl Acetate
Concen: 0.215 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.023 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

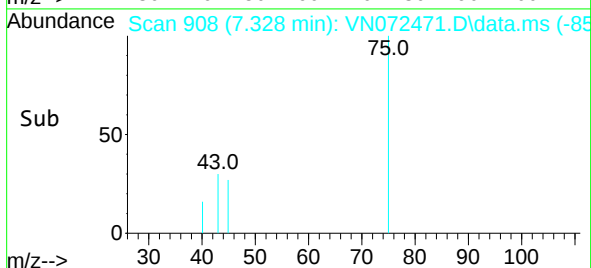
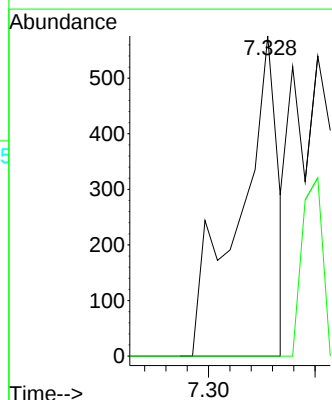
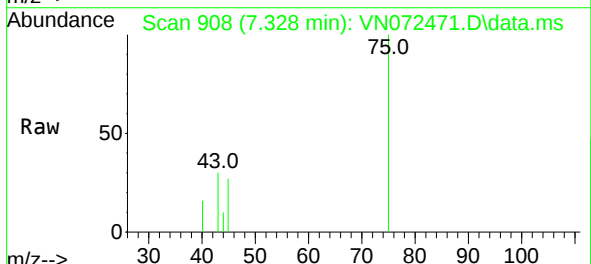
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBL01

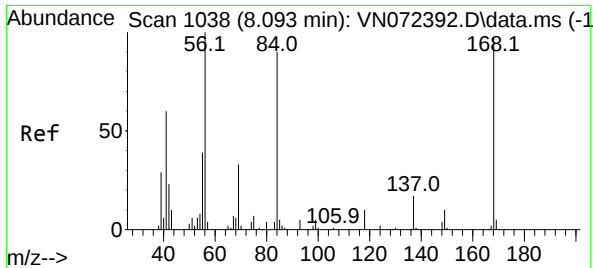
Tgt Ion: 43 Resp: 1233
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#25
2-Butanone
Concen: 0.238 ug/l
RT: 7.328 min Scan# 908
Delta R.T. -0.000 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

Tgt Ion: 43 Resp: 731
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

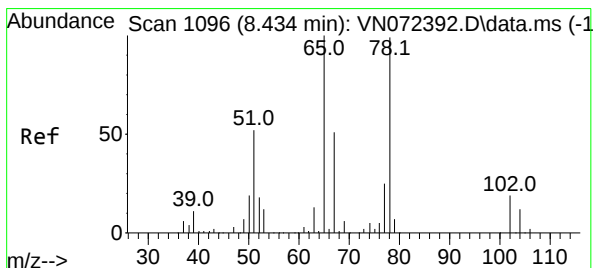
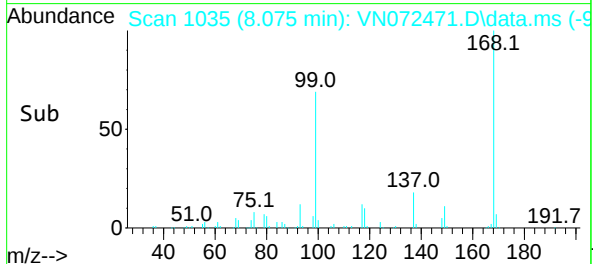
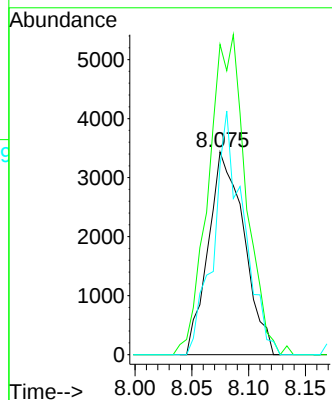
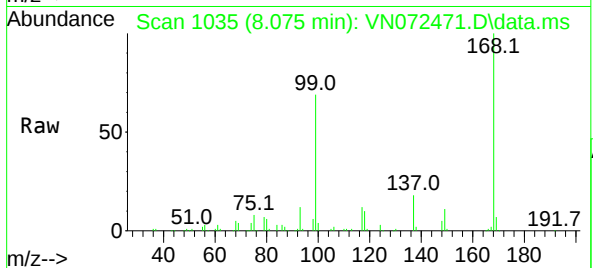




#31
Cyclohexane
Concen: 1.152 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.018 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

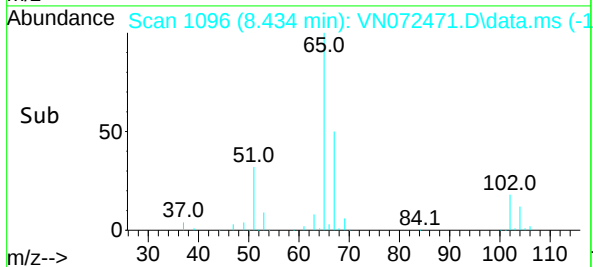
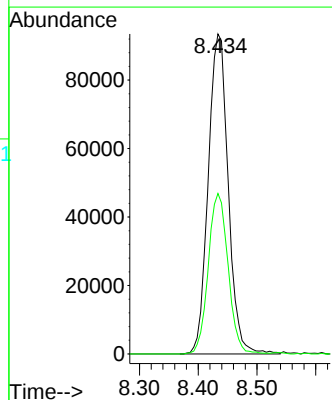
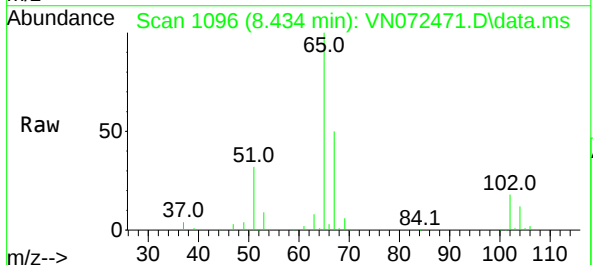
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBL01

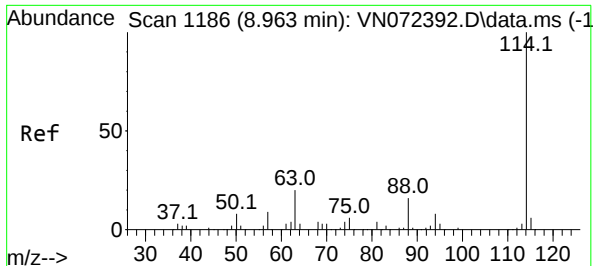
Tgt Ion: 56 Resp: 7497
Ion Ratio Lower Upper
56 100
69 153.1 27.8 41.8#
84 93.4 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 44.951 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

Tgt Ion: 65 Resp: 220766
Ion Ratio Lower Upper
65 100
67 49.8 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: VN072471.D

Acq: 13 May 2022 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBL01

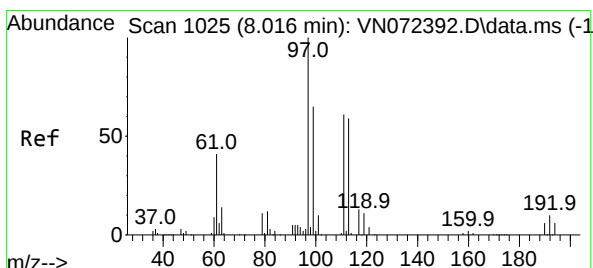
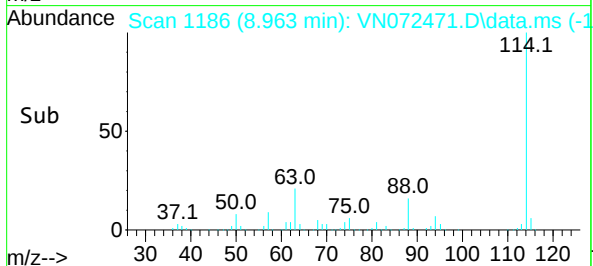
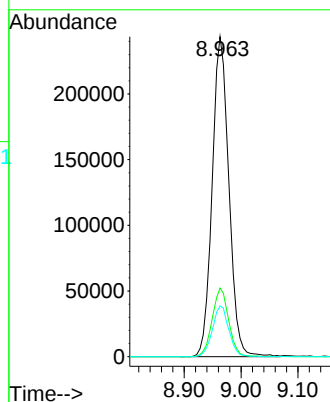
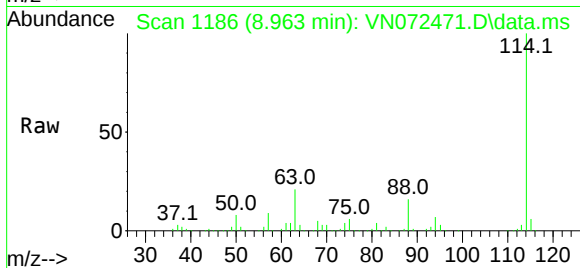
Tgt Ion:114 Resp: 496070

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 15.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 46.322 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072471.D

Acq: 13 May 2022 12:31

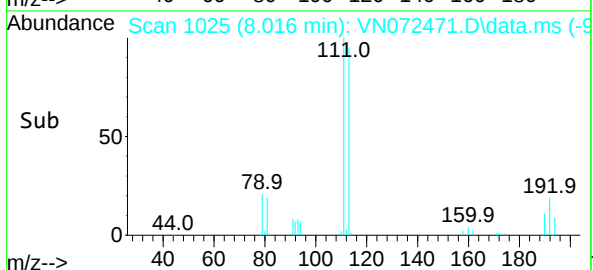
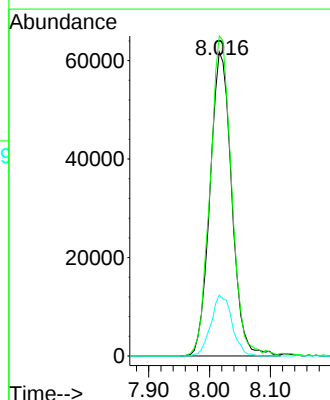
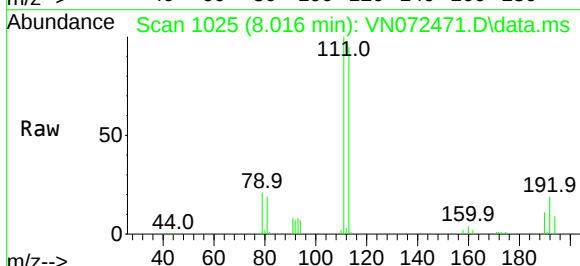
Tgt Ion:113 Resp: 152877

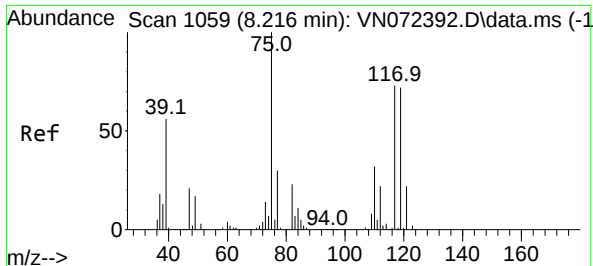
Ion Ratio Lower Upper

113 100

111 104.6 81.4 122.0

192 19.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.582 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072471.D

Acq: 13 May 2022 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBL01

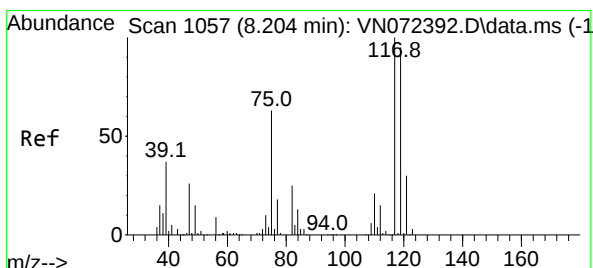
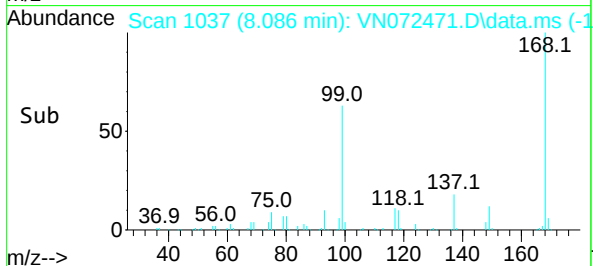
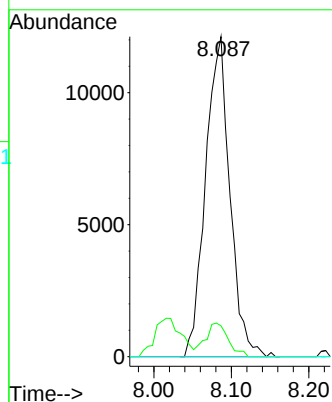
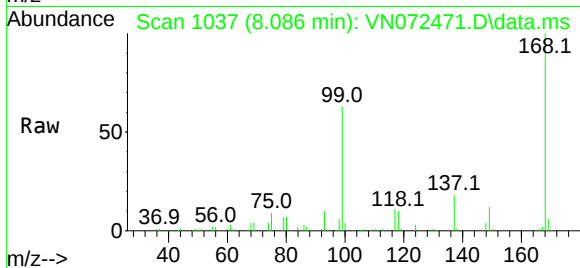
Tgt Ion: 75 Resp: 26460

Ion Ratio Lower Upper

75 100

110 9.9 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.754 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN072471.D

Acq: 13 May 2022 12:31

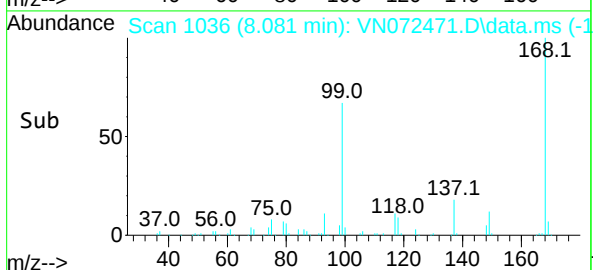
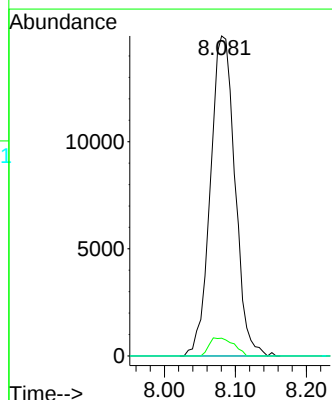
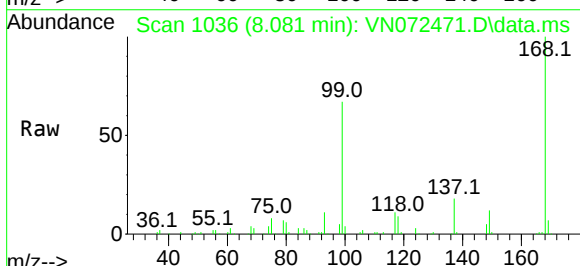
Tgt Ion: 117 Resp: 35829

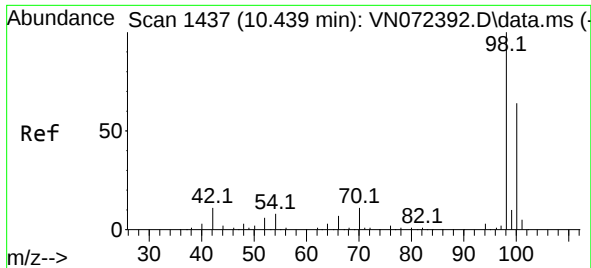
Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.8#

121 0.0 24.6 37.0#

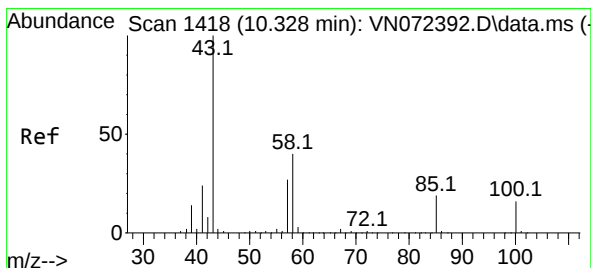
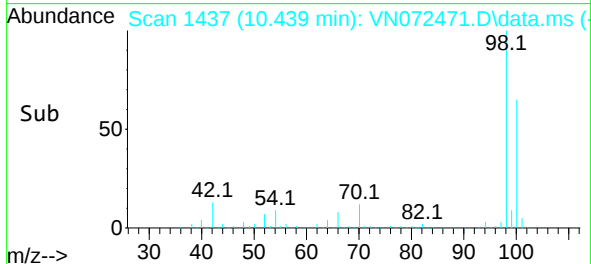
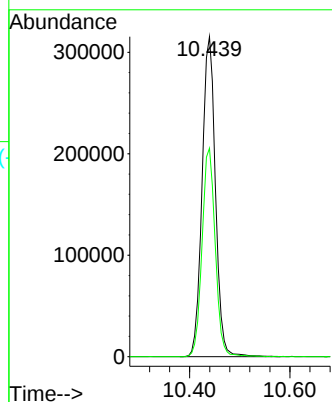
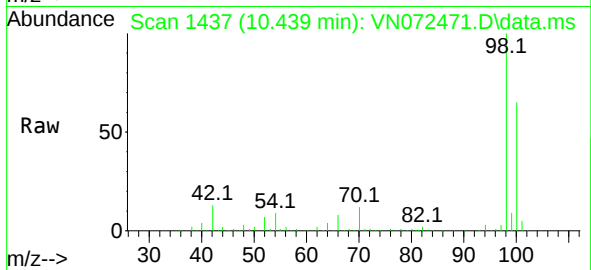




#50
Toluene-d8
Concen: 46.307 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

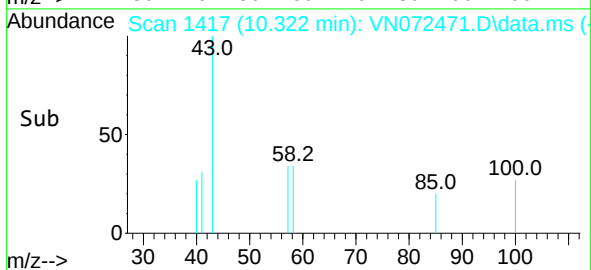
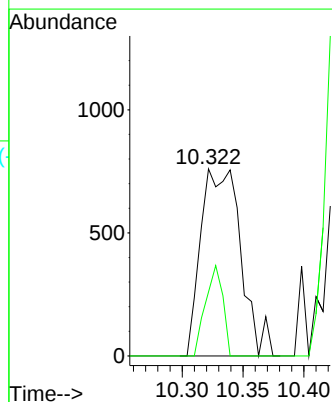
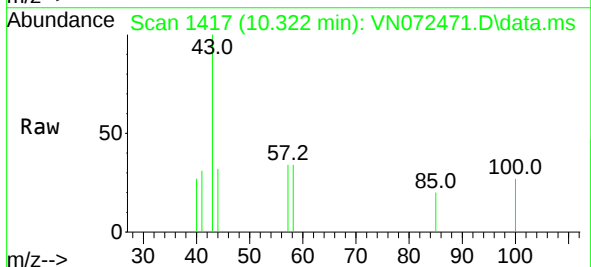
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBL01

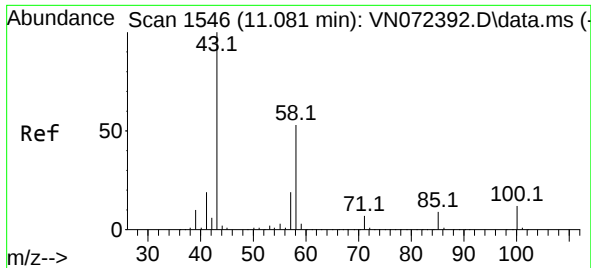
Tgt Ion: 98 Resp: 582048
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.319 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.006 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

Tgt Ion: 43 Resp: 1731
Ion Ratio Lower Upper
43 100
58 21.0 34.1 51.1#

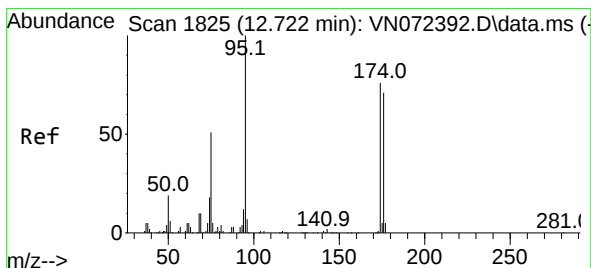
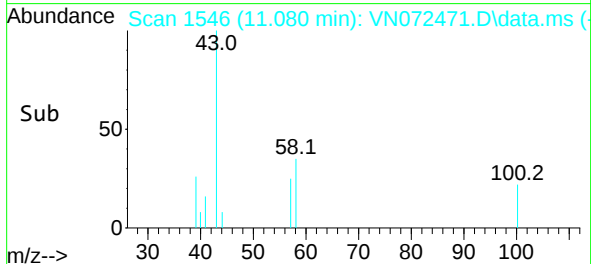
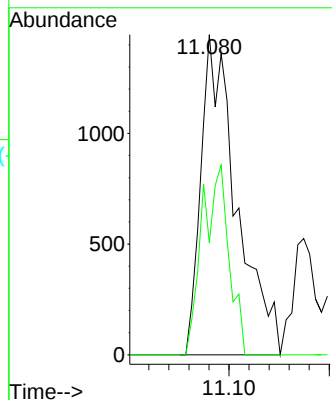
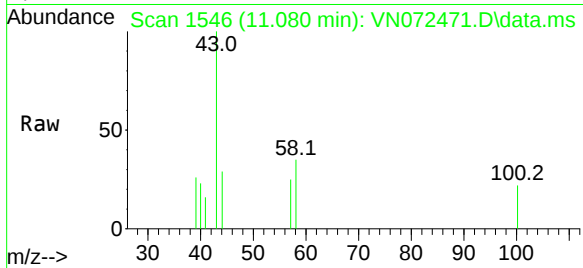




#59
2-Hexanone
Concen: 0.935 ug/l
RT: 11.080 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

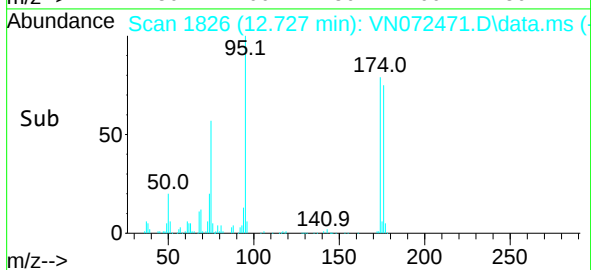
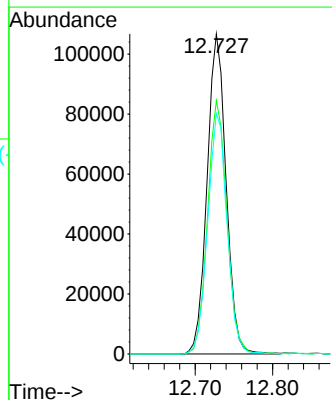
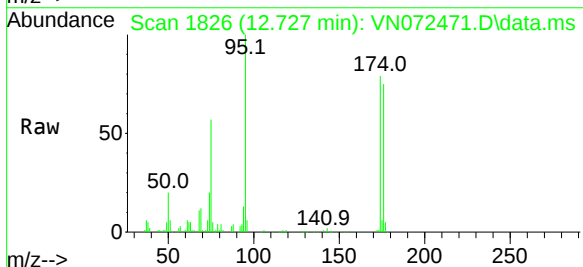
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBL01

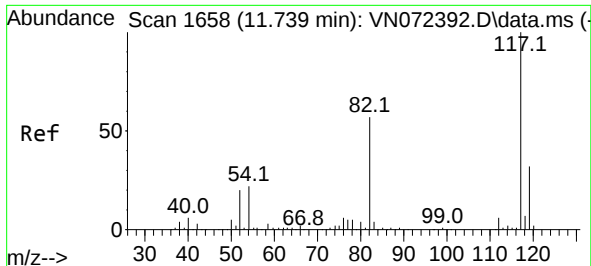
Tgt Ion: 43 Resp: 3556
Ion Ratio Lower Upper
43 100
58 44.3 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 43.555 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.005 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

Tgt Ion: 95 Resp: 181815
Ion Ratio Lower Upper
95 100
174 80.6 0.0 167.6
176 76.5 0.0 163.4

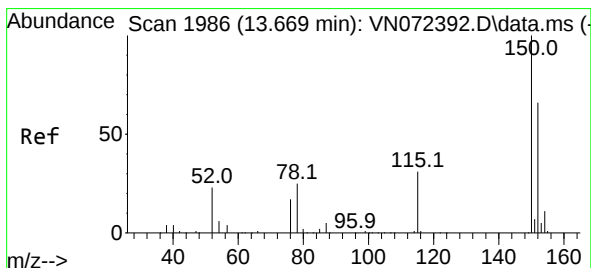
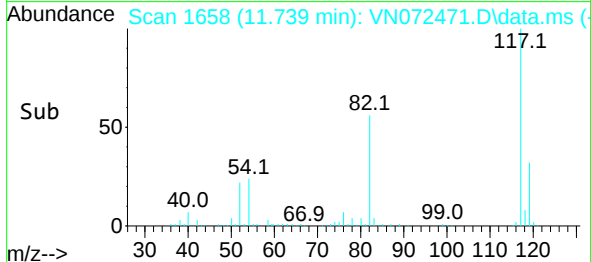
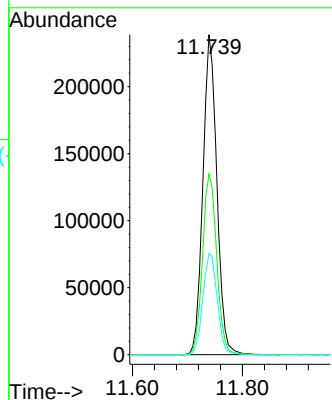
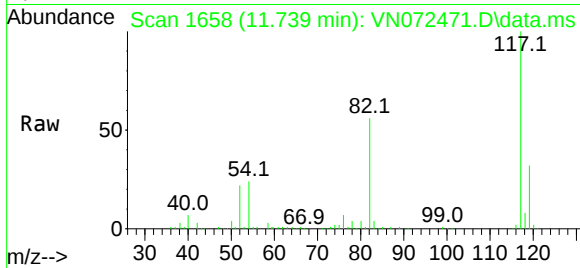




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

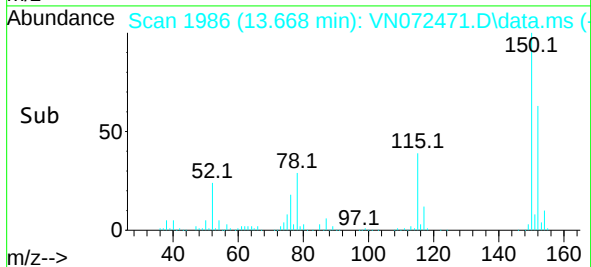
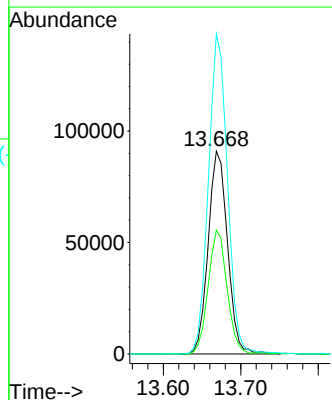
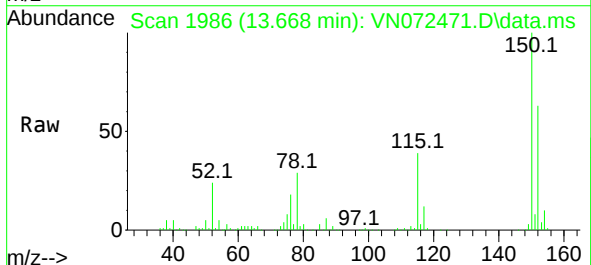
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBL01

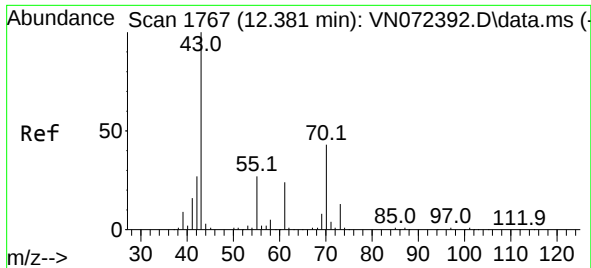
Tgt Ion:117 Resp: 420396
Ion Ratio Lower Upper
117 100
82 56.4 44.2 66.2
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

Tgt Ion:152 Resp: 157871
Ion Ratio Lower Upper
152 100
115 59.5 28.9 86.7
150 155.5 0.0 356.2

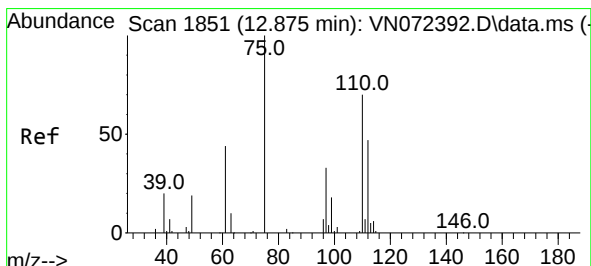
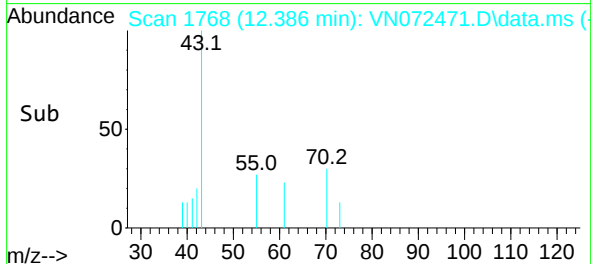
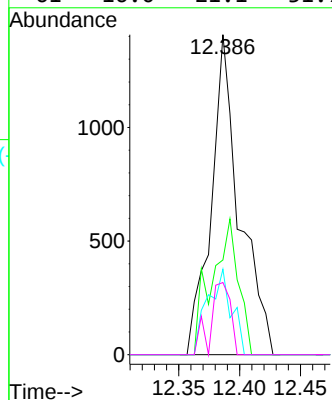
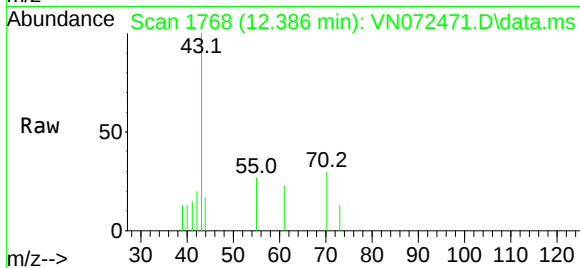




#74
N-amy1 acetate
Concen: 0.495 ug/l
RT: 12.386 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

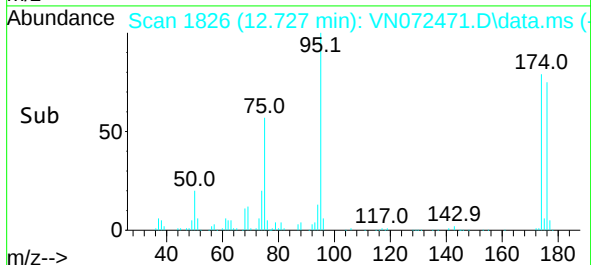
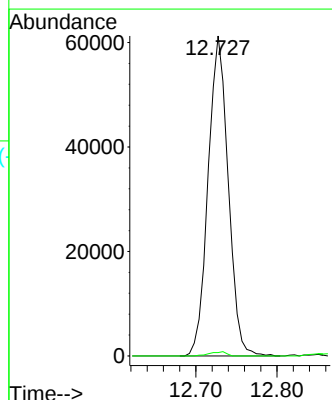
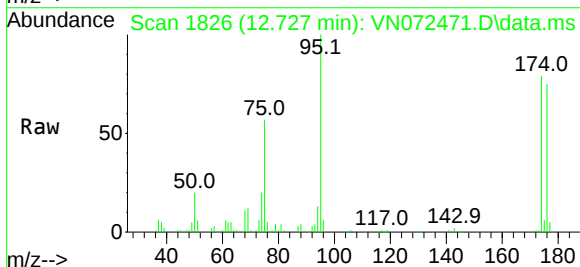
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBL01

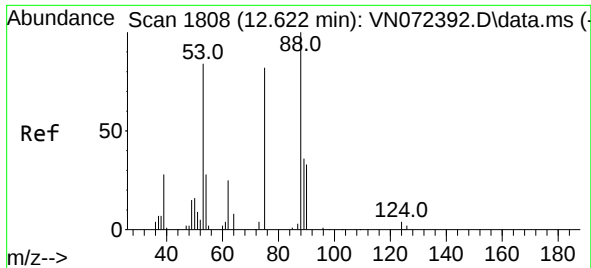
Tgt Ion: 43	Resp: 2286
Ion Ratio	Lower Upper
43 100	
70 39.6	39.0 58.4
55 22.4	21.1 31.7
61 16.0	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 25.608 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.148 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

Tgt Ion: 75	Resp: 105444
Ion Ratio	Lower Upper
75 100	
77 1.1	98.5 295.5#

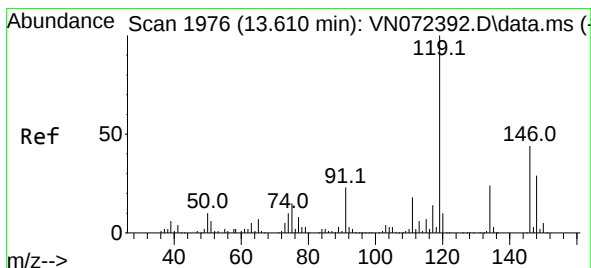
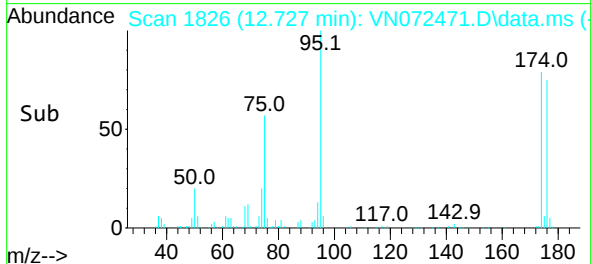
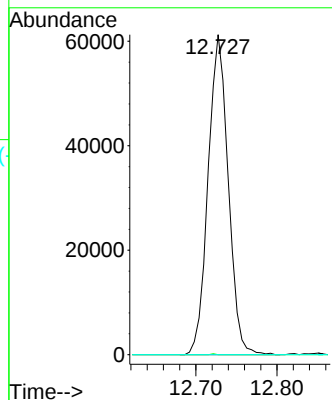
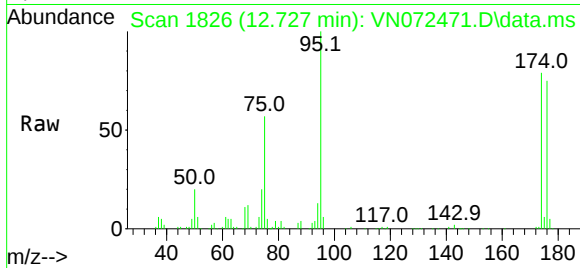




#81
trans-1,4-Dichloro-2-butene
Concen: 85.430 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

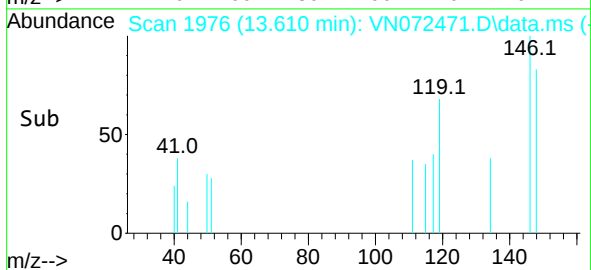
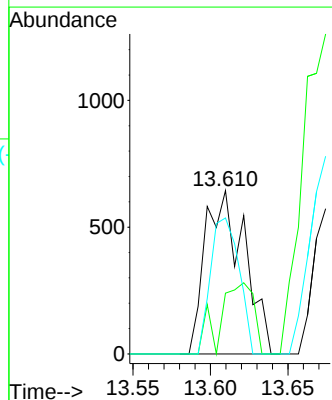
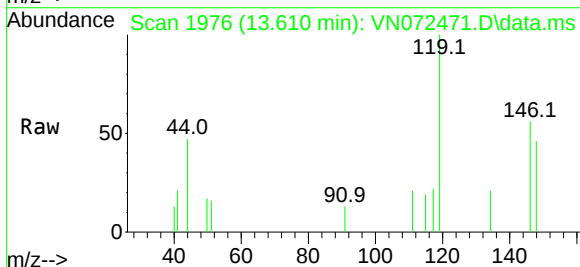
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBL01

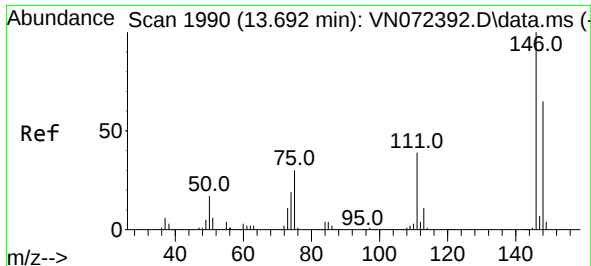
Tgt Ion: 75 Resp: 105444
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#87
1,3-Dichlorobenzene
Concen: 0.210 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

Tgt Ion:146 Resp: 1135
Ion Ratio Lower Upper
146 100
111 37.4 20.0 60.0
148 60.5 32.0 96.0

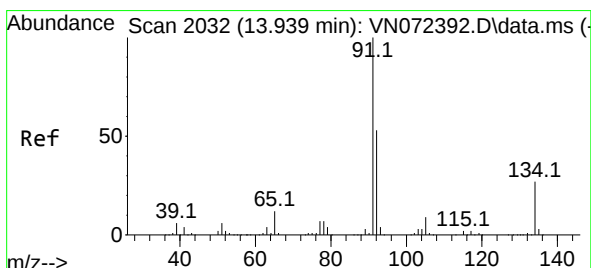
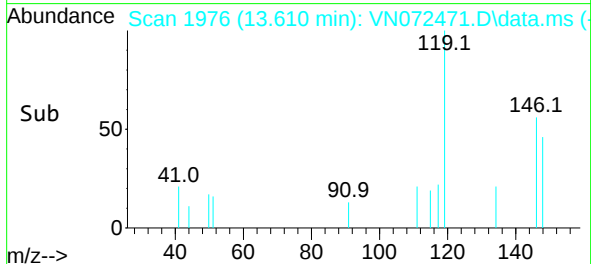
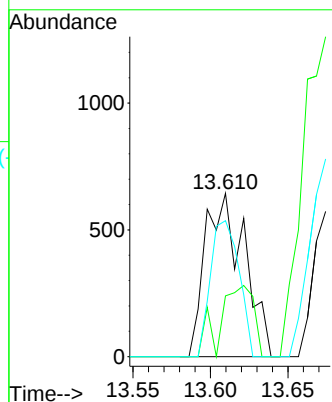
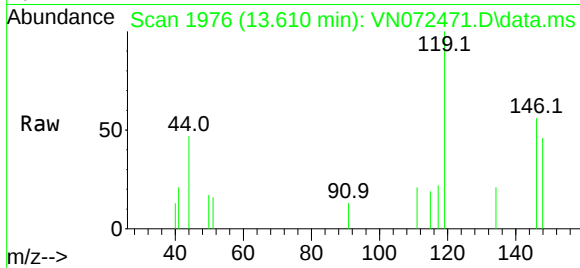




#88
1,4-Dichlorobenzene
Concen: 0.211 ug/l
RT: 13.610 min Scan# 1990
Delta R.T. -0.082 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

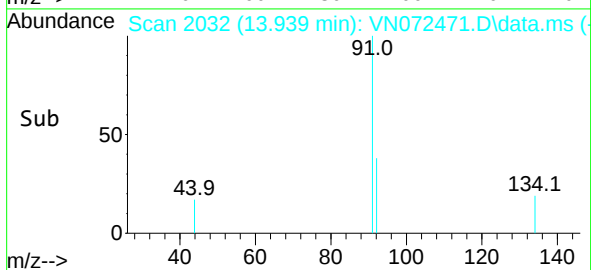
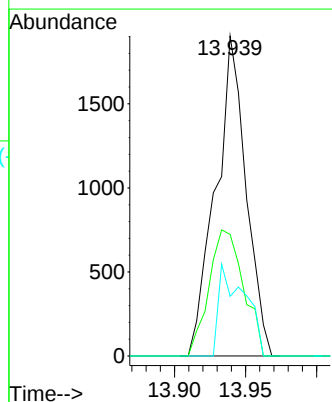
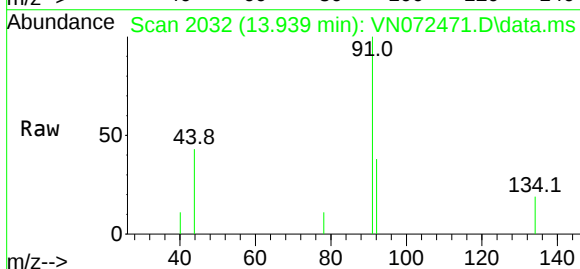
Instrument :
MSVOA_N
ClientSampleId :
VN0513MBL01

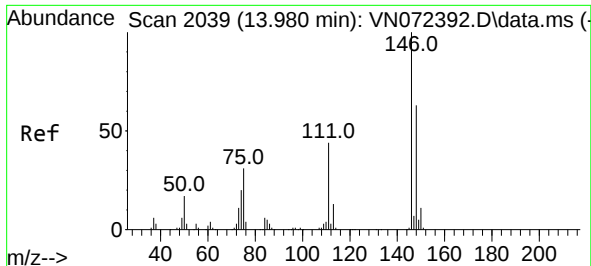
Tgt Ion:146 Resp: 1135
Ion Ratio Lower Upper
146 100
111 37.4 19.1 57.1
148 60.5 31.4 94.3



#89
n-Butylbenzene
Concen: 0.380 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

Tgt Ion: 91 Resp: 2827
Ion Ratio Lower Upper
91 100
92 44.9 26.9 80.7
134 24.4 13.6 40.8





#91

1,2-Dichlorobenzene

Concen: 0.236 ug/l

RT: 13.992 min Scan# 2039

Delta R.T. 0.012 min

Lab File: VN072471.D

Acq: 13 May 2022 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBL01

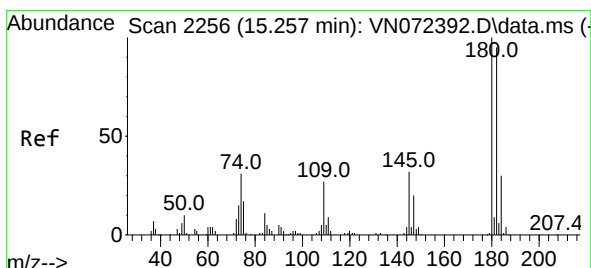
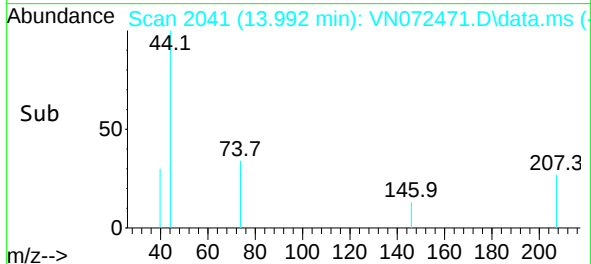
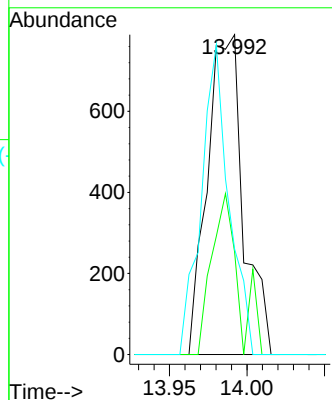
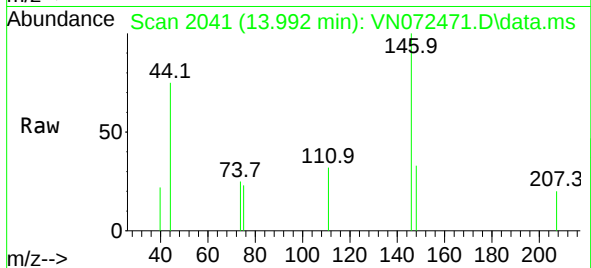
Tgt Ion:146 Resp: 1272

Ion Ratio Lower Upper

146 100

111 37.3 20.9 62.8

148 74.7 32.1 96.3



#93

1,2,4-Trichlorobenzene

Concen: 0.812 ug/l

RT: 15.262 min Scan# 2257

Delta R.T. 0.005 min

Lab File: VN072471.D

Acq: 13 May 2022 12:31

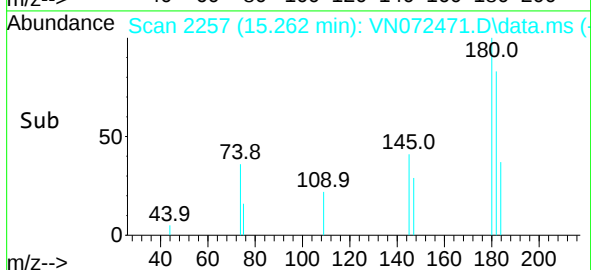
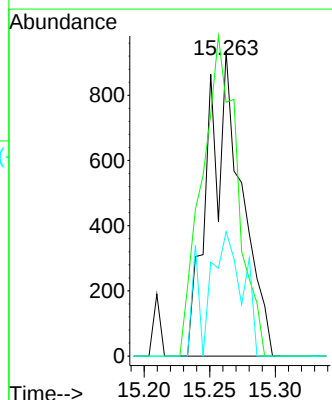
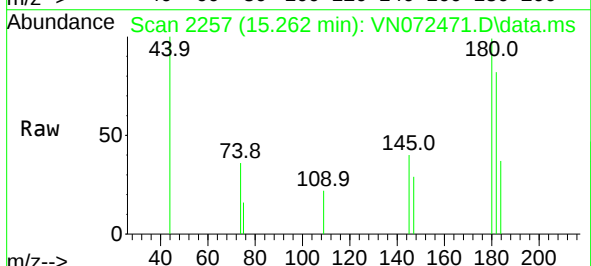
Tgt Ion:180 Resp: 1657

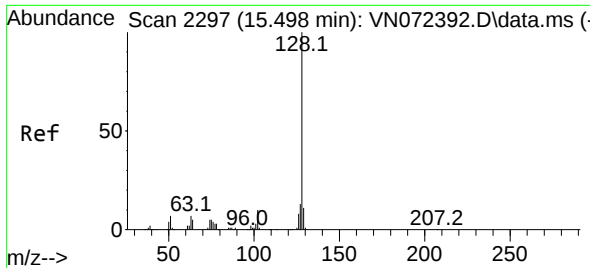
Ion Ratio Lower Upper

180 100

182 111.3 47.5 142.5

145 36.1 14.5 43.5

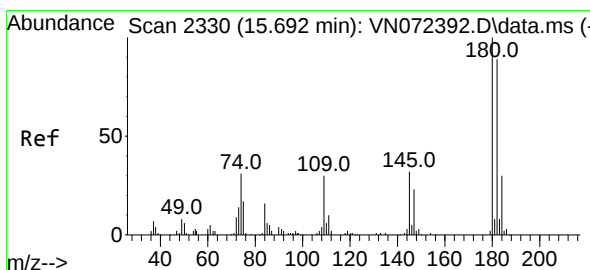
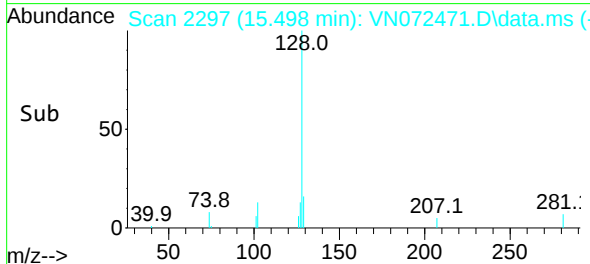
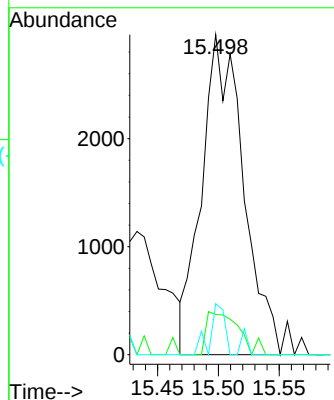
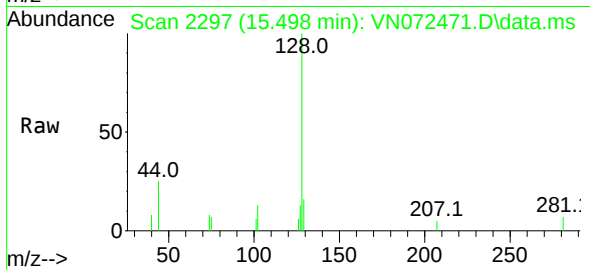




#95
Naphthalene
Concen: 4.049 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBL01

Tgt Ion:128 Resp: 7032
Ion Ratio Lower Upper
128 100
127 10.5 10.3 15.5
129 5.5 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.059 ug/l
RT: 15.704 min Scan# 2332
Delta R.T. 0.012 min
Lab File: VN072471.D
Acq: 13 May 2022 12:31

Tgt Ion:180 Resp: 2167
Ion Ratio Lower Upper
180 100
182 106.6 47.8 143.3
145 33.2 15.5 46.5

