

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062222\
 Data File : VN073026.D
 Acq On : 22 Jun 2022 15:41
 Operator : JC\MD
 Sample : N3381-17DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PZ-9DL

Quant Time: Jun 23 07:32:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

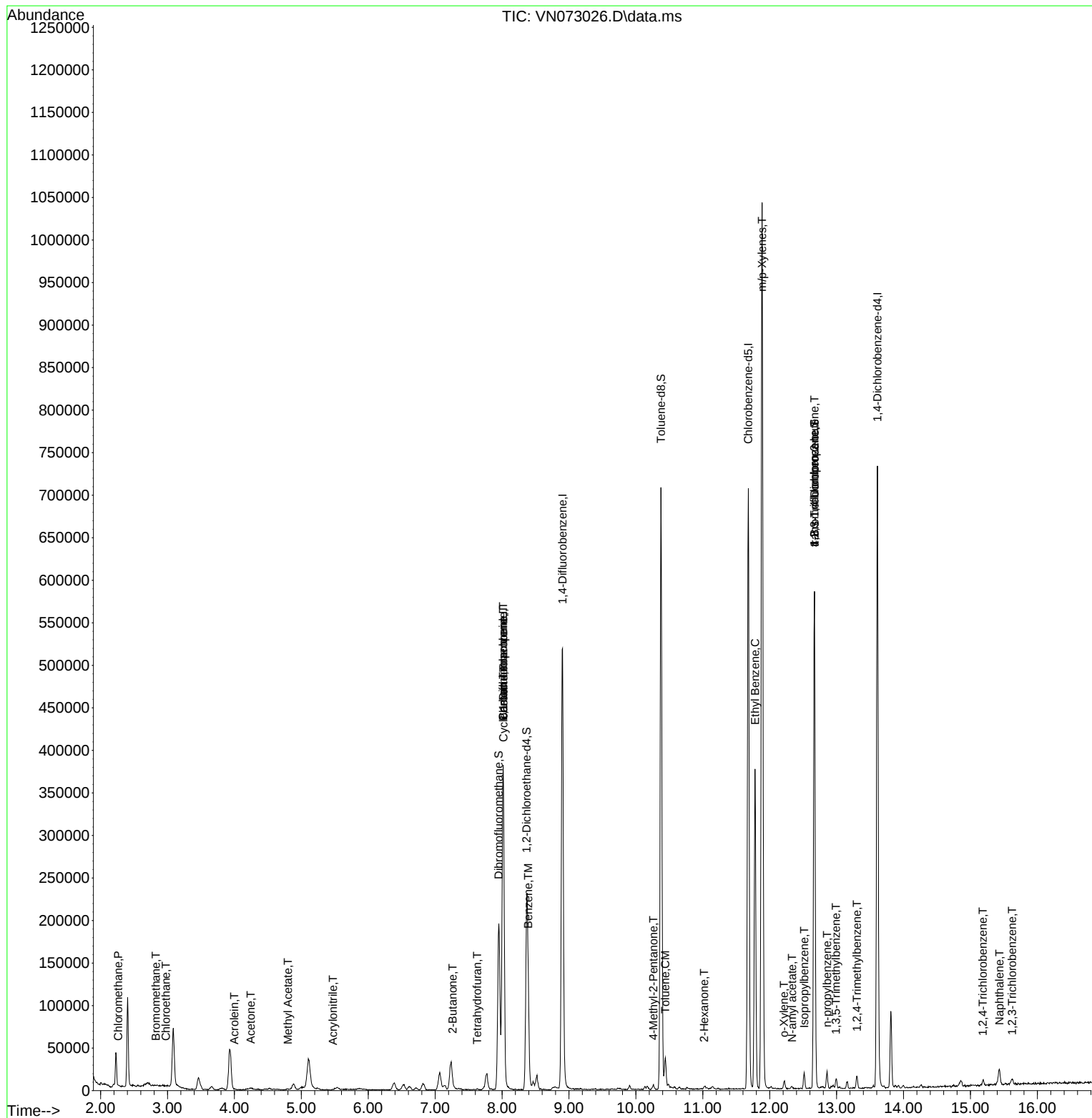
Internal Standards						
1) Pentafluorobenzene	8.016	168	288648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	465072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	406803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	197904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	169964	43.553	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.100%		
35) Dibromofluoromethane	7.951	113	146903	51.104	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.200%		
50) Toluene-d8	10.374	98	478238	44.711	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.420%		
62) 4-Bromofluorobenzene	12.668	95	201224	52.317	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.640%		
Target Compounds						Qvalue
3) Chloromethane	2.263	50	391	0.700	ug/l	93
5) Bromomethane	2.828	94	370	0.381	ug/l #	2
6) Chloroethane	2.975	64	401	0.260	ug/l #	42
13) Acrolein	3.998	56	113	0.285	ug/l #	16
15) Acrylonitrile	5.475	53	730	0.314	ug/l #	45
16) Acetone	4.245	43	5318	2.479	ug/l #	67
18) Methyl Acetate	4.798	43	1620	0.284	ug/l #	81
20) Methylene Chloride	5.004	84	160	Below Cal	#	34
25) 2-Butanone	7.263	43	1753	0.515	ug/l #	45
26) 2,2-Dichloropropane	7.222	77	2454	Below Cal	#	53
29) Tetrahydrofuran	7.628	42	731	0.325	ug/l #	44
31) Cyclohexane	8.022	56	11470	2.173	ug/l #	58
36) 1,1-Dichloropropene	8.016	75	22976	5.907	ug/l #	50
38) Carbon Tetrachloride	8.016	117	29236	7.146	ug/l #	16
40) Benzene	8.392	78	68760	5.625	ug/l	99
51) 4-Methyl-2-Pentanone	10.263	43	1720	0.297	ug/l	89
52) Toluene	10.439	92	14409	1.920	ug/l	99
59) 2-Hexanone	11.021	43	4031	0.899	ug/l	61
67) Ethyl Benzene	11.780	91	265494	18.984	ug/l	100
68) m/p-Xylenes	11.886	106	326077	59.445	ug/l	97
69) o-Xylene	12.216	106	2273	0.415	ug/l	92
73) Isopropylbenzene	12.515	105	12030	0.786	ug/l	97
74) N-amyl acetate	12.333	43	2018	0.254	ug/l #	77
76) 1,2,3-Trichloropropane	12.668	75	103944	21.663	ug/l #	1
78) n-propylbenzene	12.857	91	15064	0.895	ug/l	98
80) 1,3,5-Trimethylbenzene	12.992	105	5834	0.464	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.668	75	103944	58.505	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.304	105	8631	0.689	ug/l	94
93) 1,2,4-Trichlorobenzene	15.186	180	2536	0.671	ug/l	85
95) Naphthalene	15.433	128	19372	1.267	ug/l	99
96) 1,2,3-Trichlorobenzene	15.621	180	2993	0.742	ug/l	98

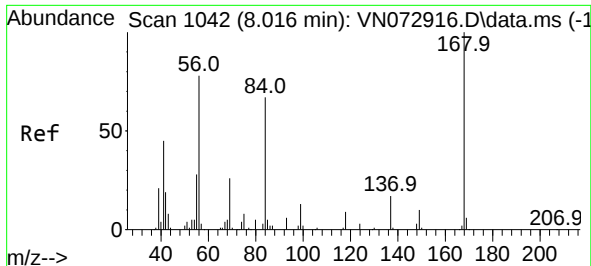
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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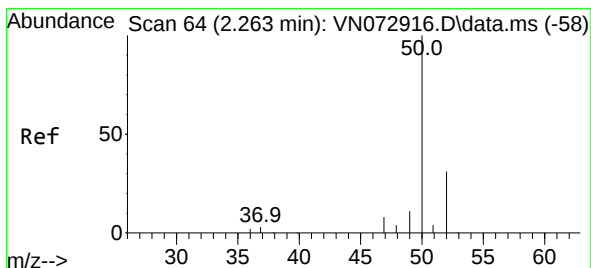
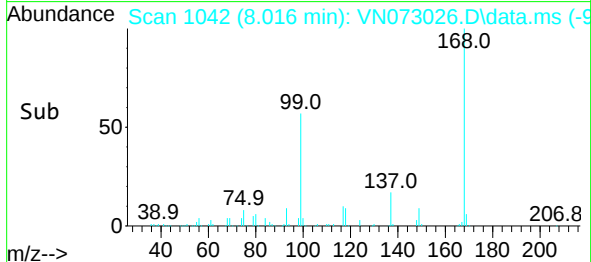
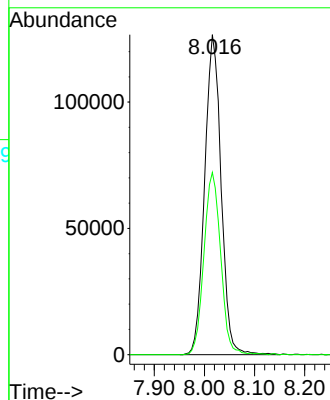
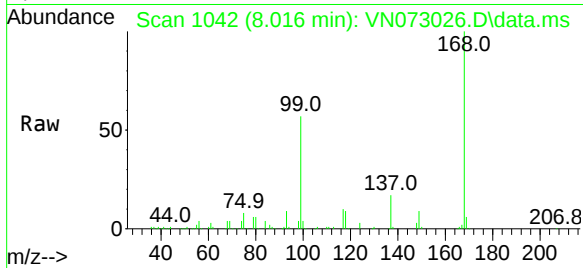




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

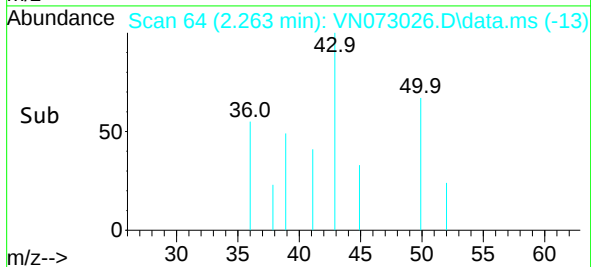
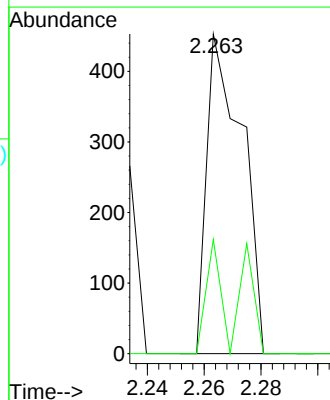
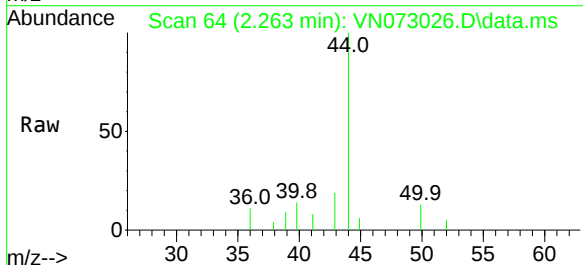
Instrument :
MSVOA_N
ClientSampleId :
PZ-9DL

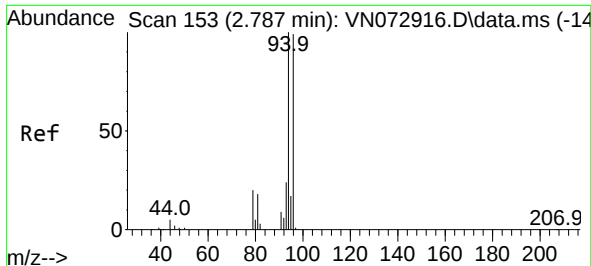
Tgt Ion:168 Resp: 288648
Ion Ratio Lower Upper
168 100
99 56.9 42.3 63.5



#3
Chloromethane
Concen: 0.700 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

Tgt Ion: 50 Resp: 391
Ion Ratio Lower Upper
50 100
52 35.8 25.7 38.5

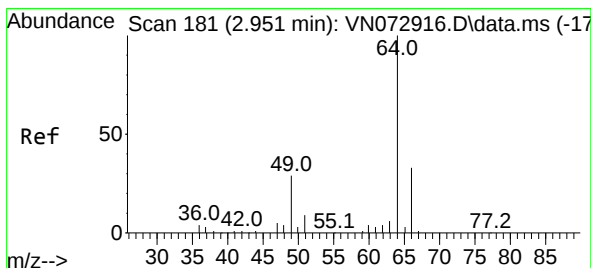
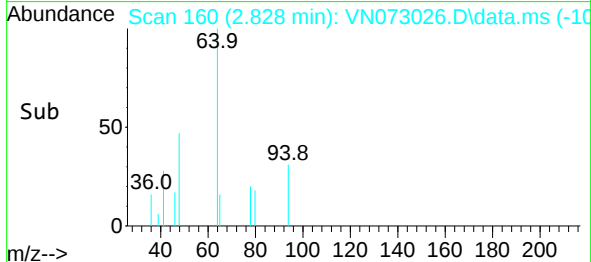
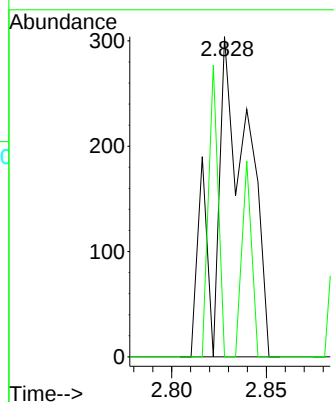
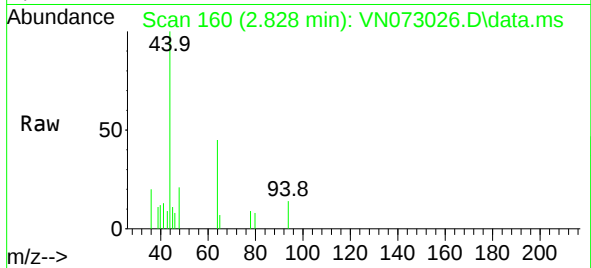




#5
Bromomethane
Concen: 0.381 ug/l
RT: 2.828 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

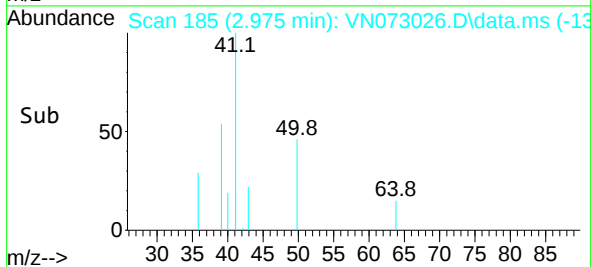
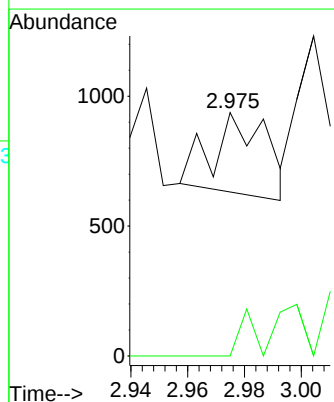
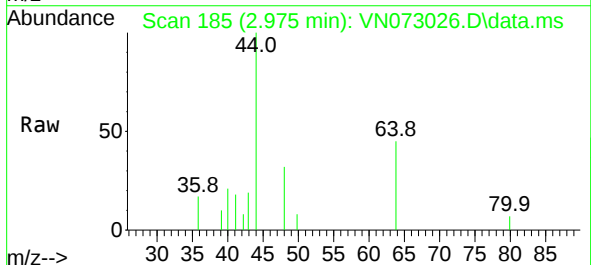
Instrument :
MSVOA_N
ClientSampleId :
PZ-9DL

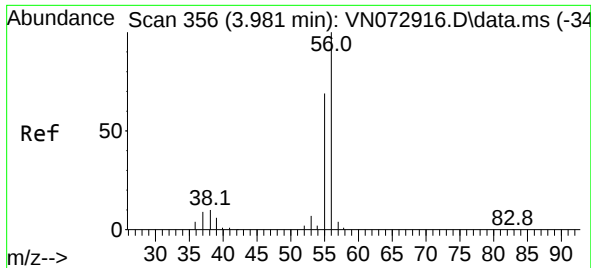
Tgt Ion: 94 Resp: 370
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: 0.260 ug/l
RT: 2.975 min Scan# 185
Delta R.T. 0.024 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

Tgt Ion: 64 Resp: 401
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

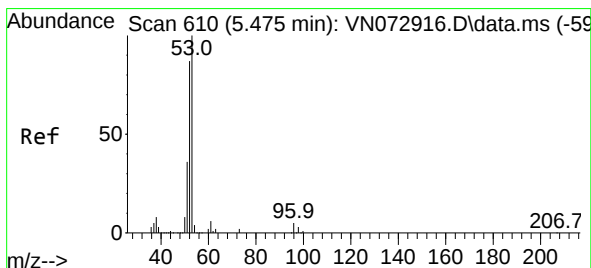
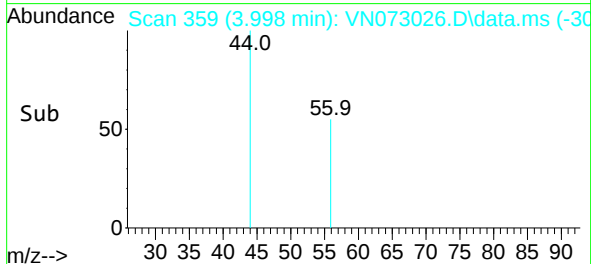
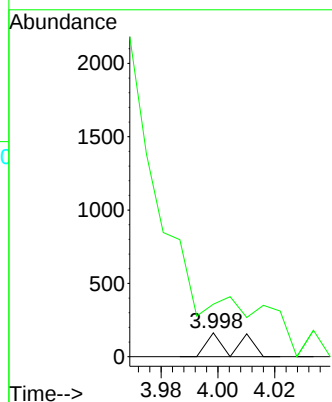
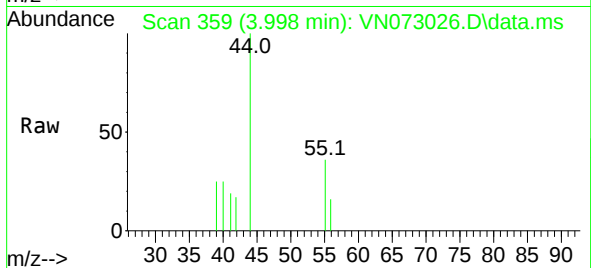




#13
Acrolein
Concen: 0.285 ug/l
RT: 3.998 min Scan# 311
Delta R.T. 0.018 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

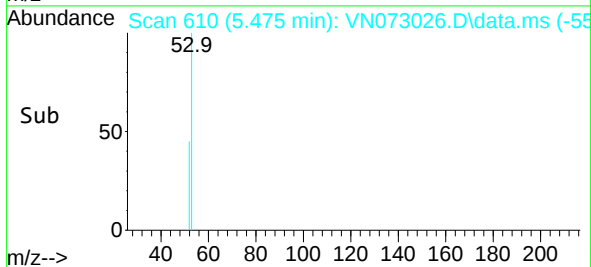
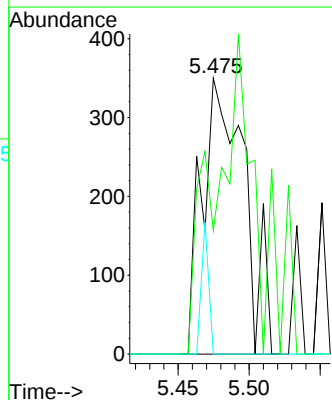
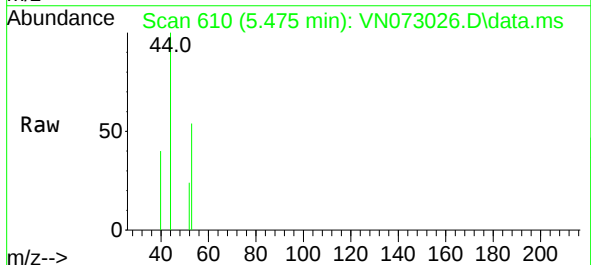
Instrument :
MSVOA_N
ClientSampleId :
PZ-9DL

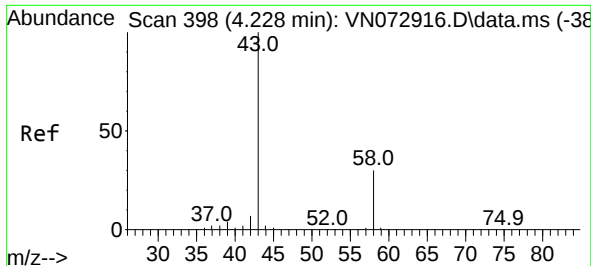
Tgt Ion: 56 Resp: 113
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#15
Acrylonitrile
Concen: 0.314 ug/l
RT: 5.475 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

Tgt Ion: 53 Resp: 730
Ion Ratio Lower Upper
53 100
52 30.1 66.4 99.6#
51 8.1 28.5 42.7#

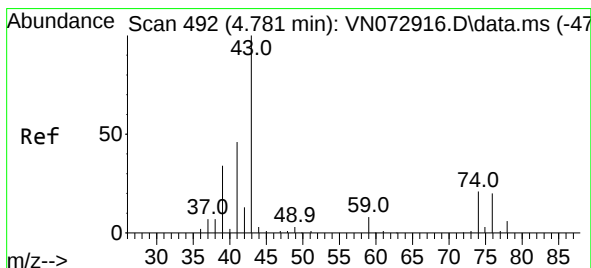
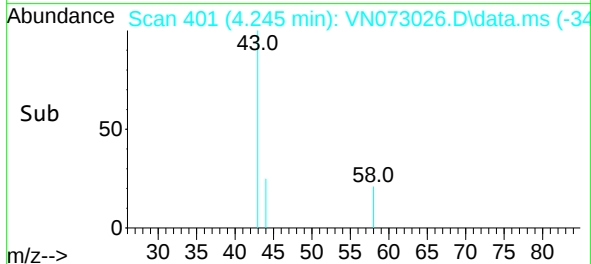
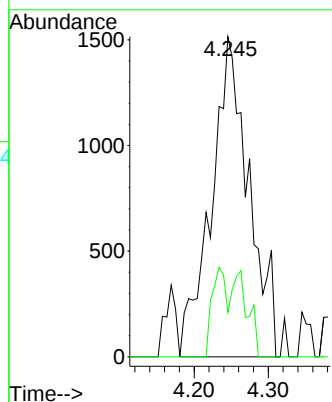
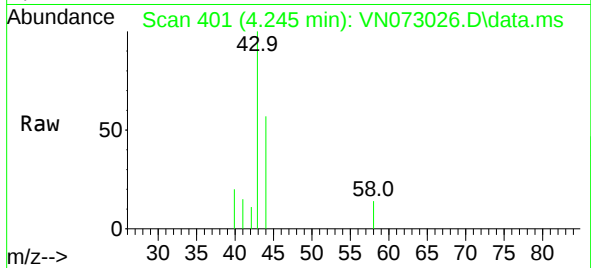




#16
Acetone
Concen: 2.479 ug/l
RT: 4.245 min Scan# 401
Delta R.T. 0.018 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

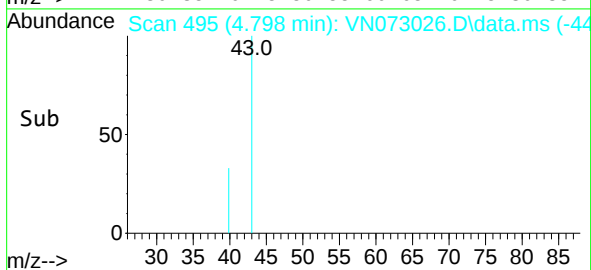
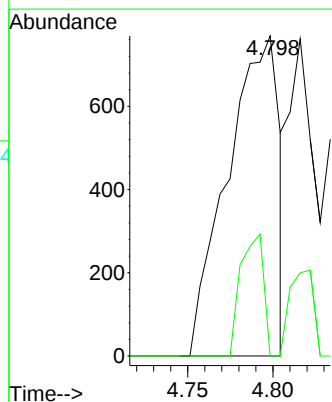
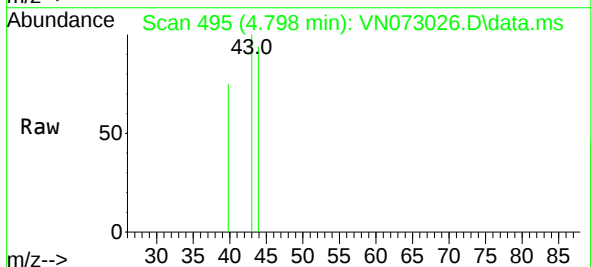
Instrument :
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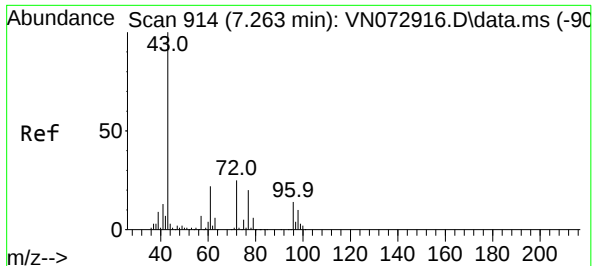
Tgt Ion: 43 Resp: 5318
Ion Ratio Lower Upper
43 100
58 13.9 26.0 39.0#



#18
Methyl Acetate
Concen: 0.284 ug/l
RT: 4.798 min Scan# 495
Delta R.T. 0.018 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

Tgt Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
74 16.9 21.6 32.4#

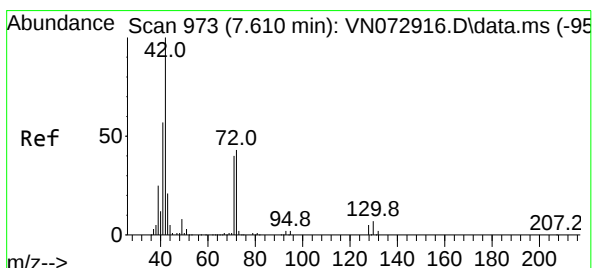
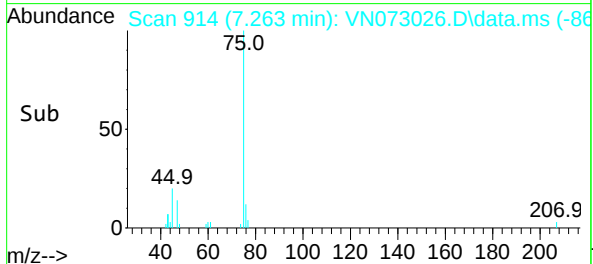
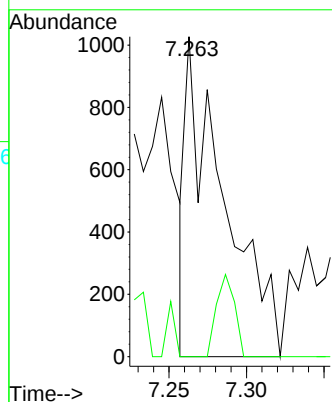
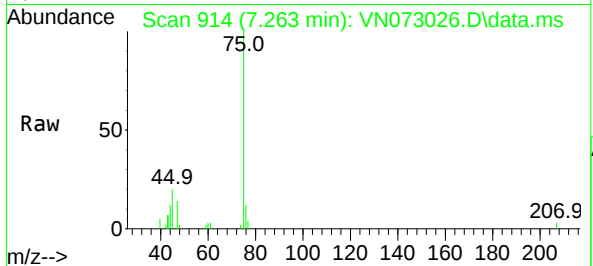




#25
2-Butanone
Concen: 0.515 ug/l
RT: 7.263 min Scan# 914
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

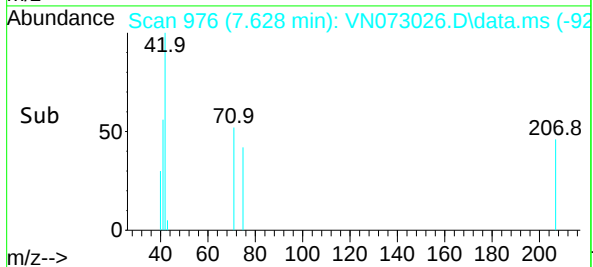
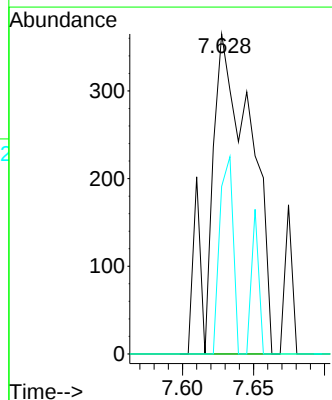
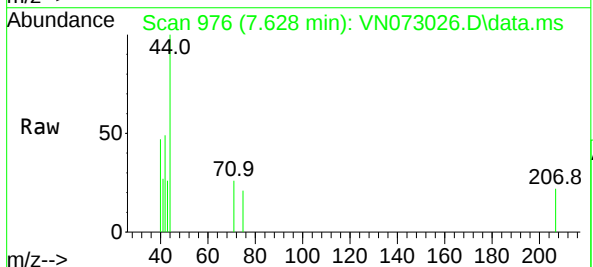
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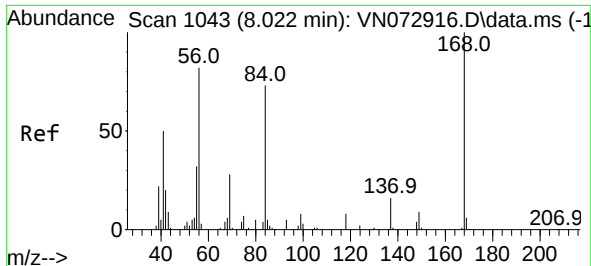
Tgt Ion: 43 Resp: 1753
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.325 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

Tgt Ion: 42 Resp: 731
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 20.1 36.6 55.0#

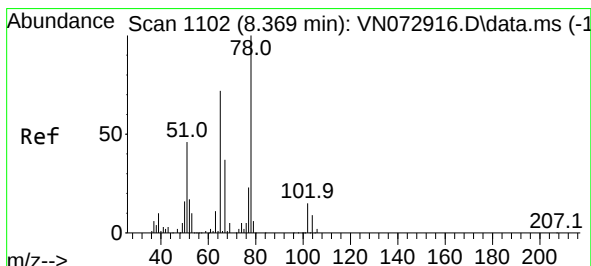
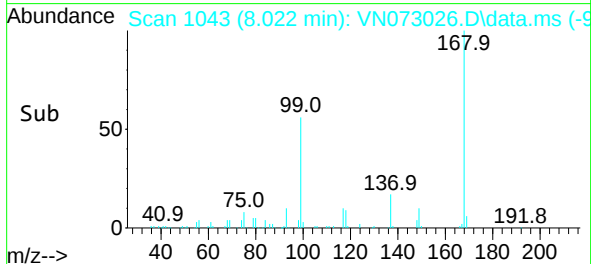
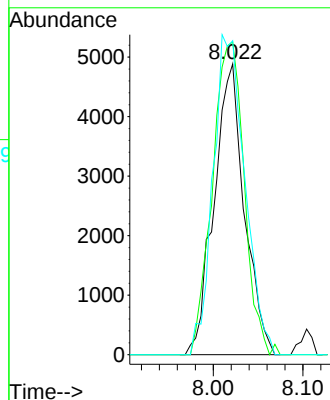
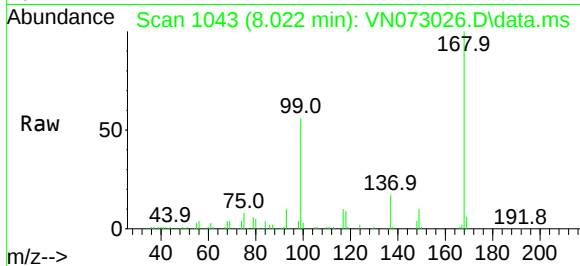




#31
Cyclohexane
Concen: 2.173 ug/l
RT: 8.022 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

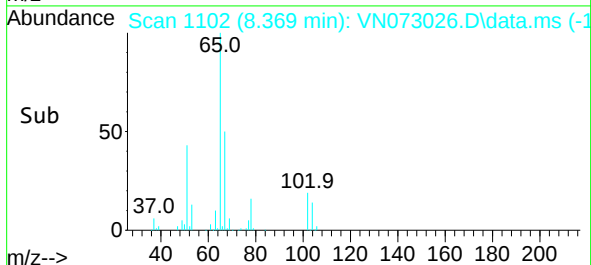
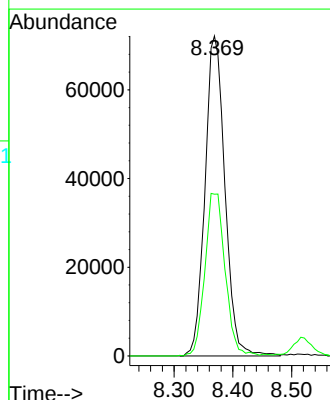
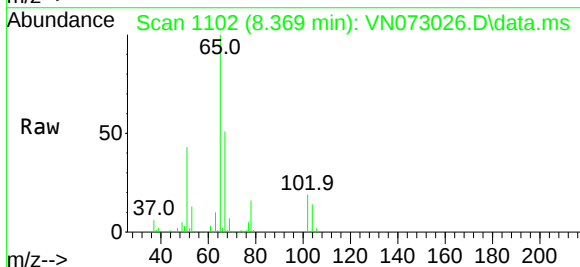
Instrument :
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PZ-9DL

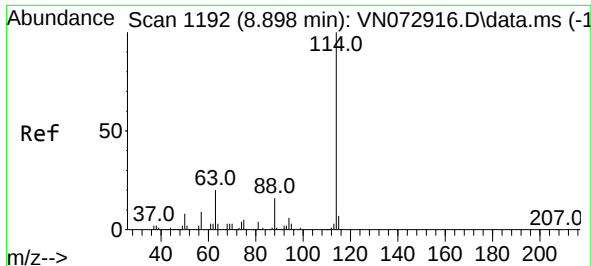
Tgt Ion: 56 Resp: 11470
Ion Ratio Lower Upper
56 100
69 107.6 27.8 41.8#
84 108.0 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 43.553 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

Tgt Ion: 65 Resp: 169964
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073026.D

Acq: 22 Jun 2022 15:41

Instrument :

MSVOA_N

ClientSampleId :

PZ-9DL

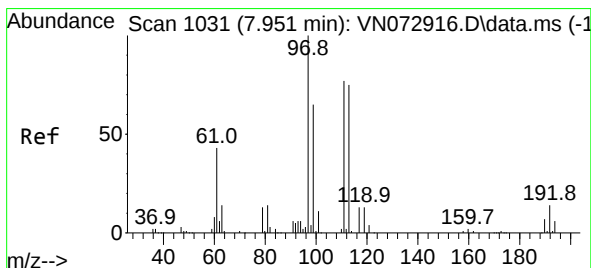
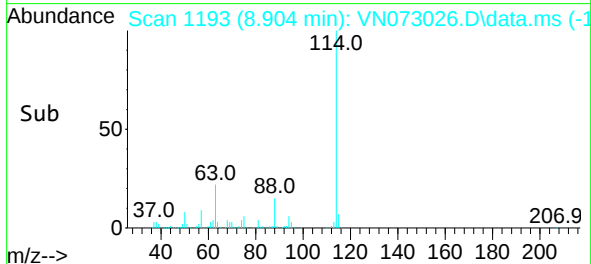
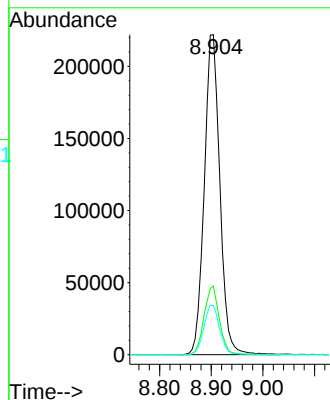
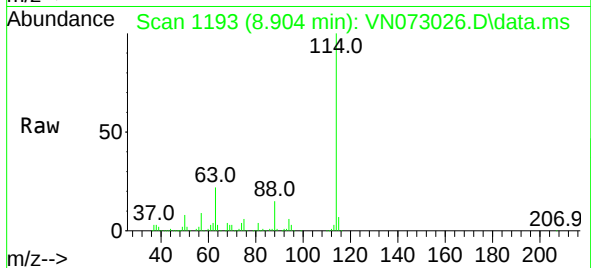
Tgt Ion:114 Resp: 465072

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 15.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.104 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN073026.D

Acq: 22 Jun 2022 15:41

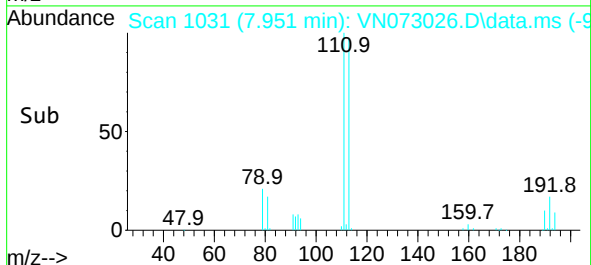
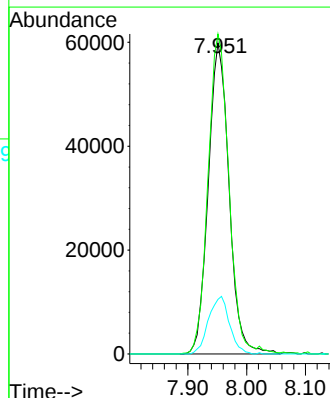
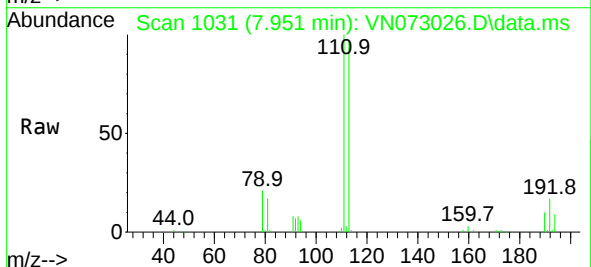
Tgt Ion:113 Resp: 146903

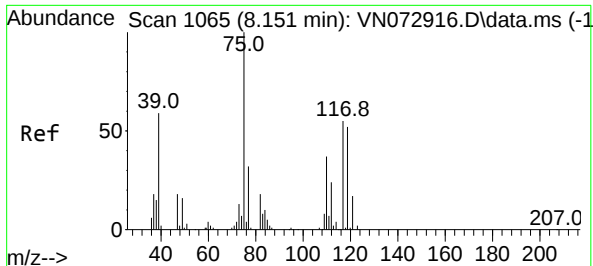
Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.0

192 18.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.907 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073026.D

Acq: 22 Jun 2022 15:41

Instrument :

MSVOA_N

ClientSampleId :

PZ-9DL

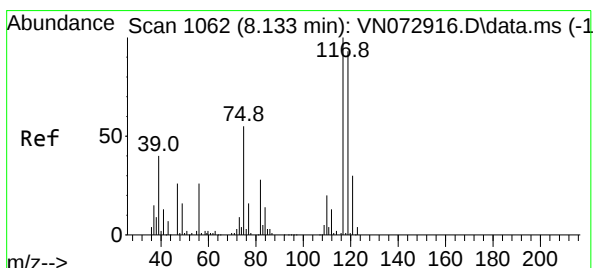
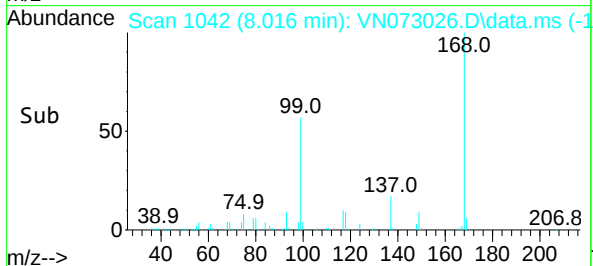
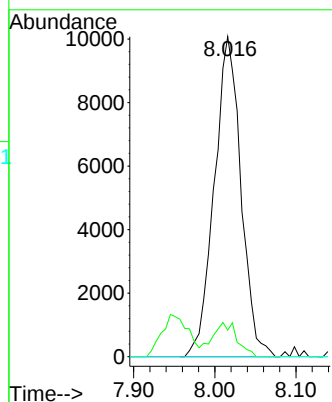
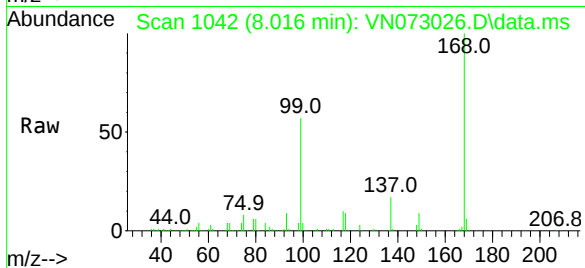
Tgt Ion: 75 Resp: 22976

Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.146 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073026.D

Acq: 22 Jun 2022 15:41

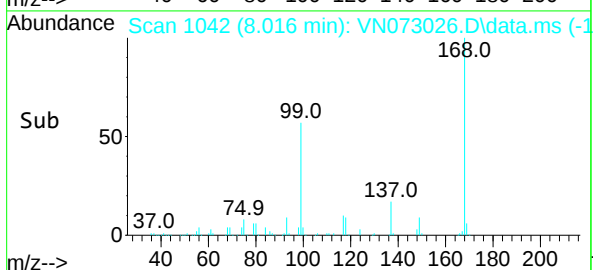
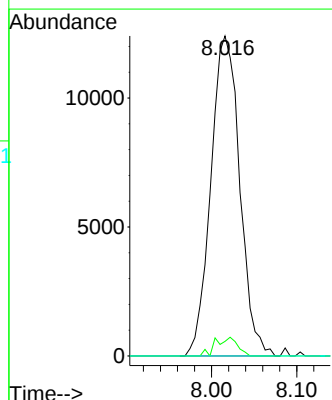
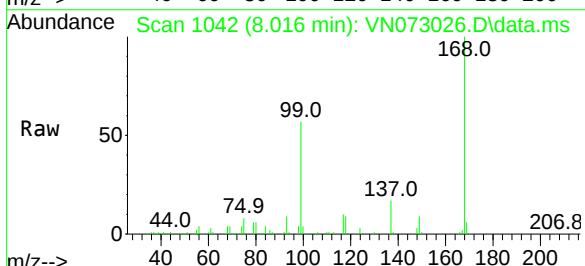
Tgt Ion: 117 Resp: 29236

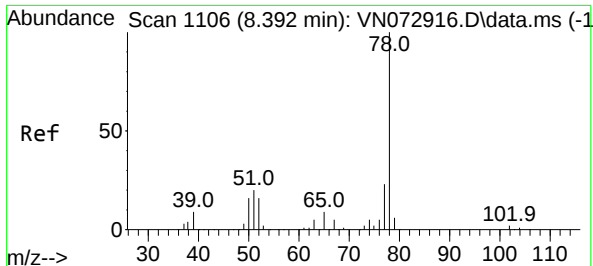
Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.8#

121 0.0 24.6 37.0#

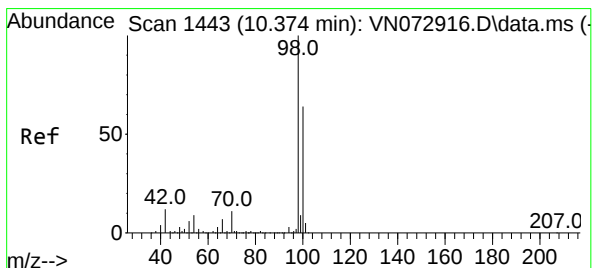
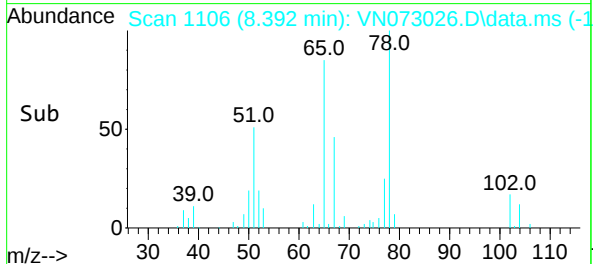
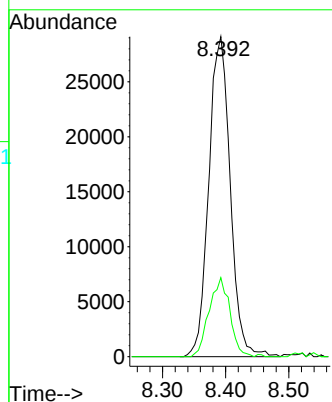
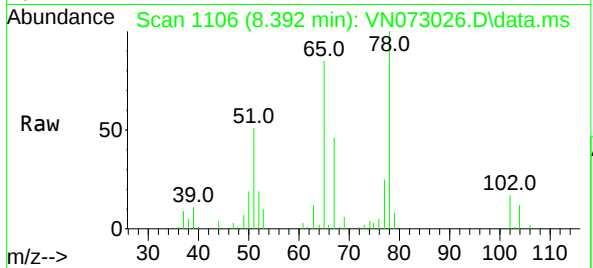




#40
Benzene
Concen: 5.625 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

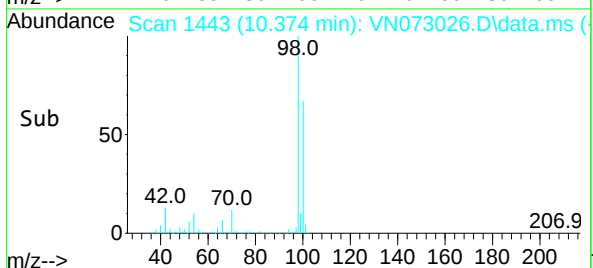
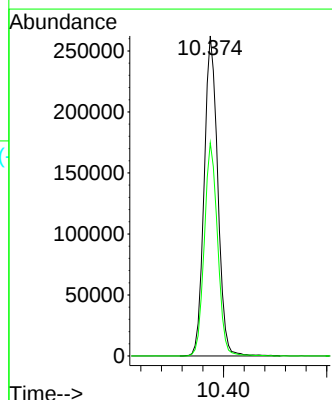
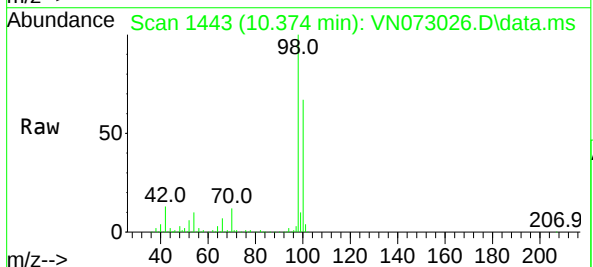
Instrument :
MSVOA_N
ClientSampleId :
PZ-9DL

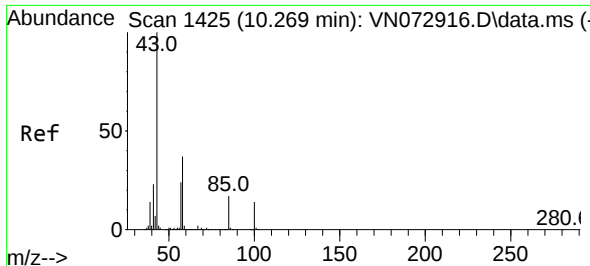
Tgt Ion: 78 Resp: 68760
Ion Ratio Lower Upper
78 100
77 24.7 19.4 29.0



#50
Toluene-d8
Concen: 44.711 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

Tgt Ion: 98 Resp: 478238
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8

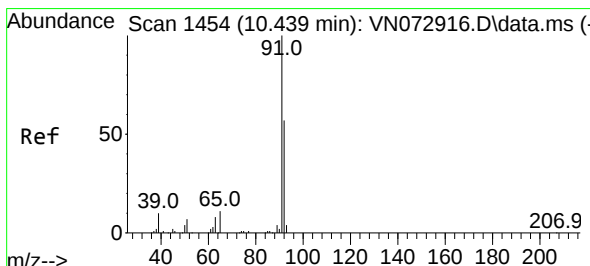
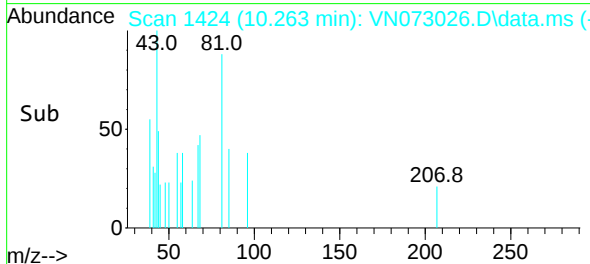
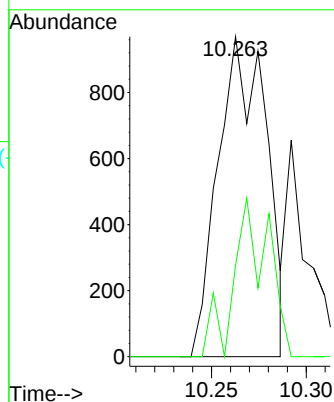
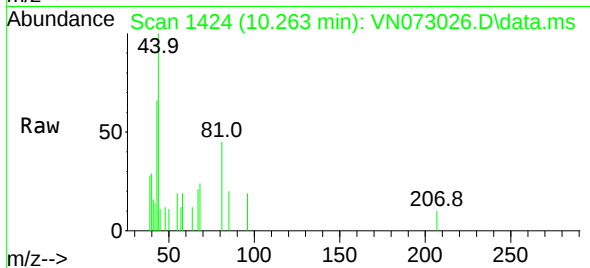




#51
4-Methyl-2-Pentanone
Concen: 0.297 ug/l
RT: 10.263 min Scan# 1424
Delta R.T. -0.006 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

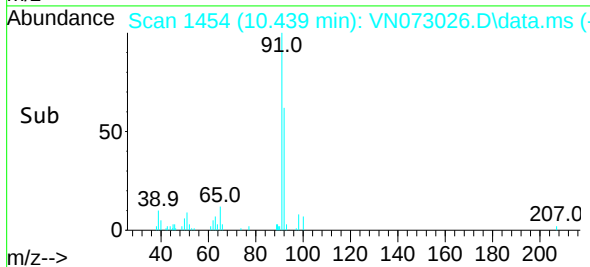
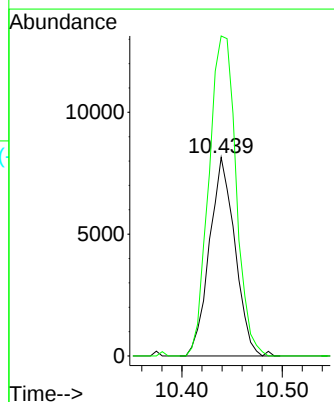
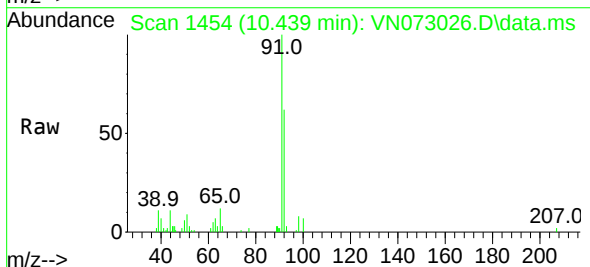
Instrument :
MSVOA_N
ClientSampleId :
PZ-9DL

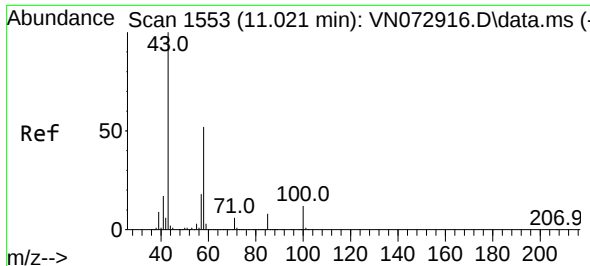
Tgt Ion: 43 Resp: 1720
Ion Ratio Lower Upper
43 100
58 35.8 34.1 51.1



#52
Toluene
Concen: 1.920 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

Tgt Ion: 92 Resp: 14409
Ion Ratio Lower Upper
92 100
91 172.0 138.6 207.8

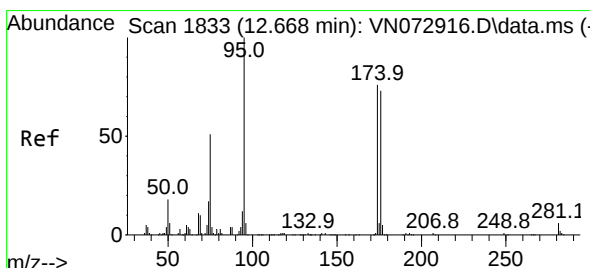
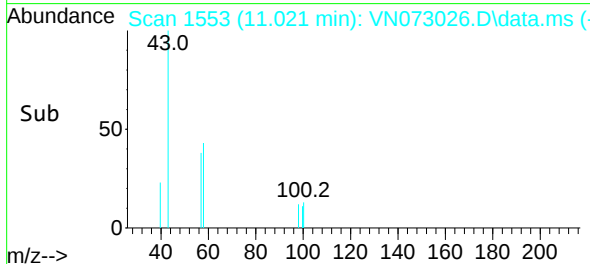
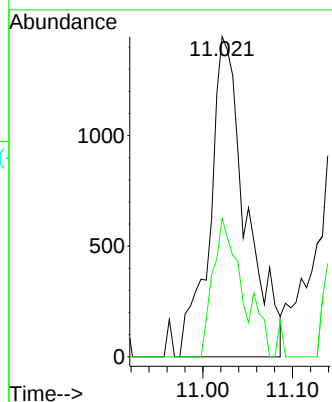
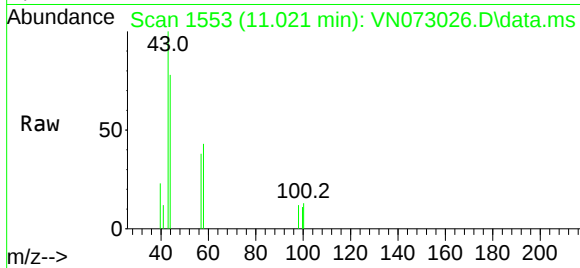




#59
2-Hexanone
Concen: 0.899 ug/l
RT: 11.021 min Scan# 11553
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

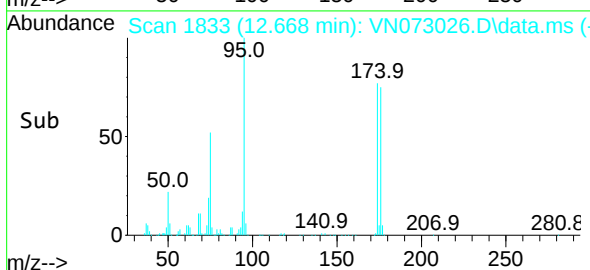
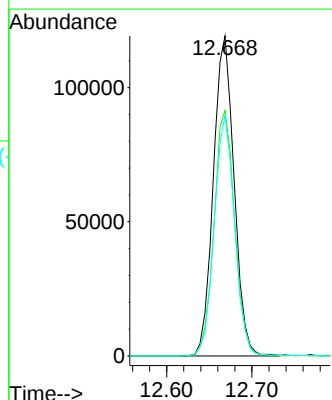
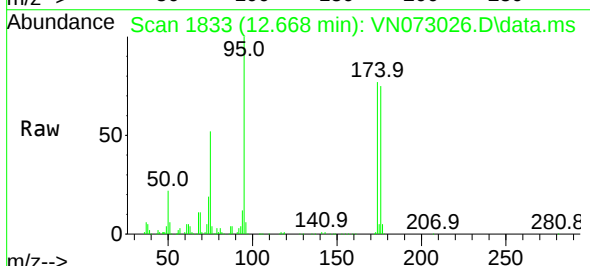
Instrument :
MSVOA_N
ClientSampleId :
PZ-9DL

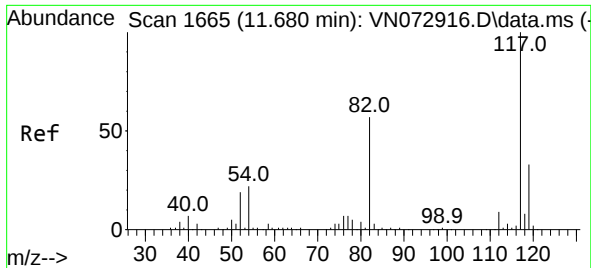
Tgt Ion: 43 Resp: 4031
Ion Ratio Lower Upper
43 100
58 30.0 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 52.317 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

Tgt Ion: 95 Resp: 201224
Ion Ratio Lower Upper
95 100
174 76.4 0.0 167.6
176 74.1 0.0 163.4

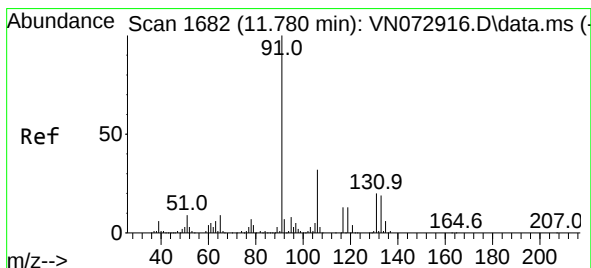
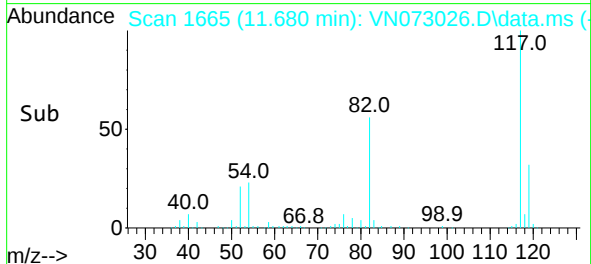
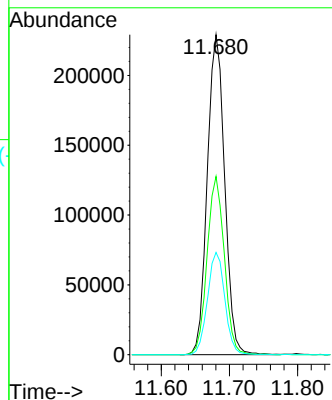
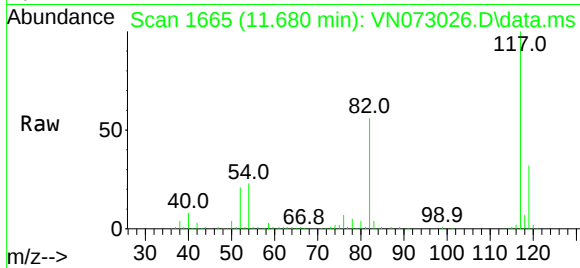




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

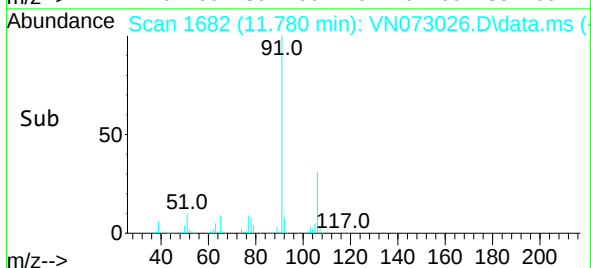
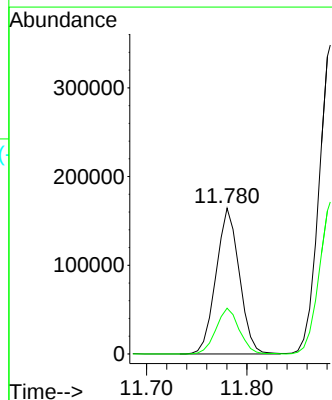
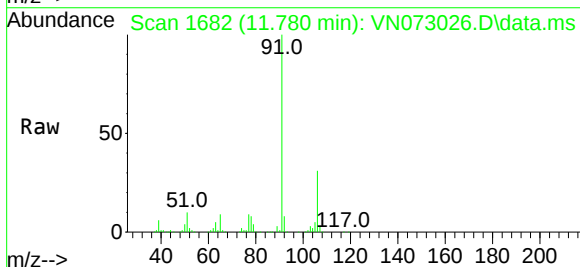
Instrument :
MSVOA_N
ClientSampleId :
PZ-9DL

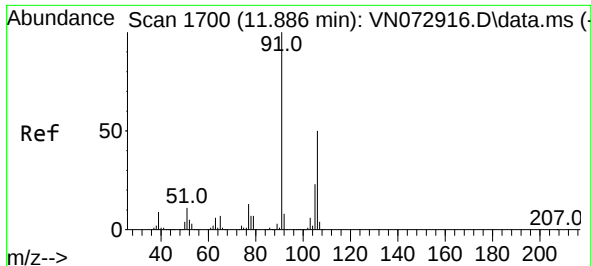
Tgt Ion:117 Resp: 406803
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 32.0 25.4 38.0



#67
Ethyl Benzene
Concen: 18.984 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

Tgt Ion: 91 Resp: 265494
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3

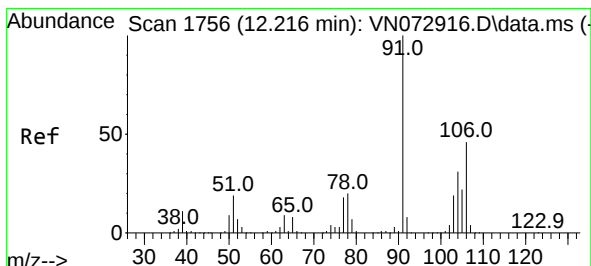
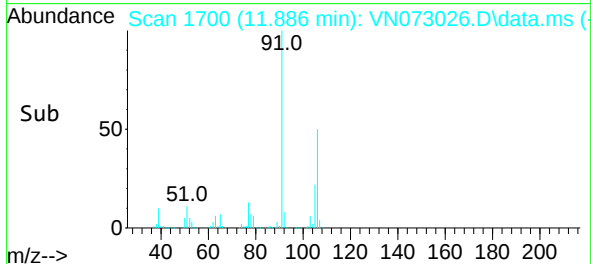
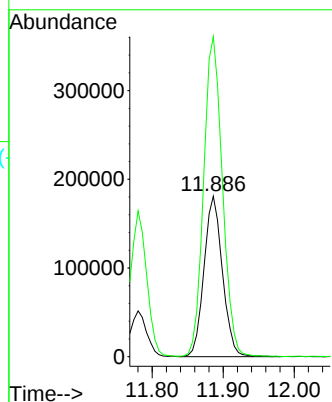
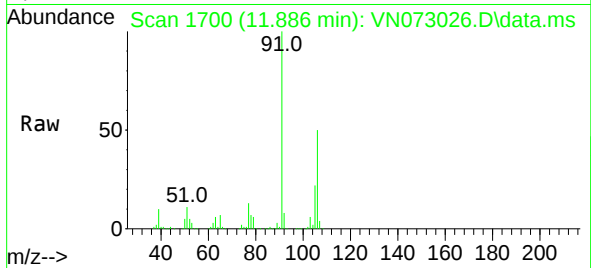




#68
m/p-Xylenes
Concen: 59.445 ug/l
RT: 11.886 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

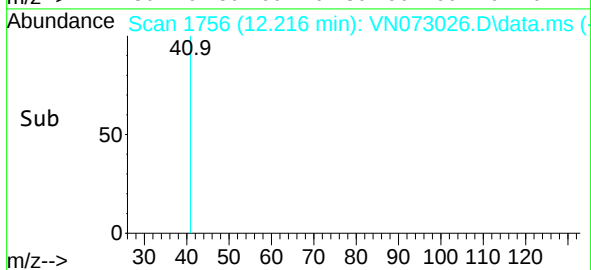
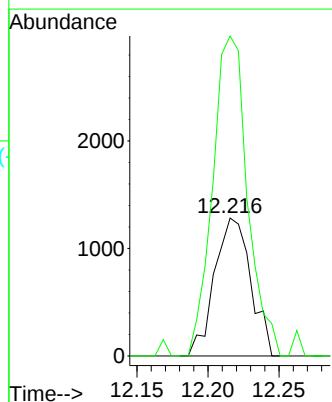
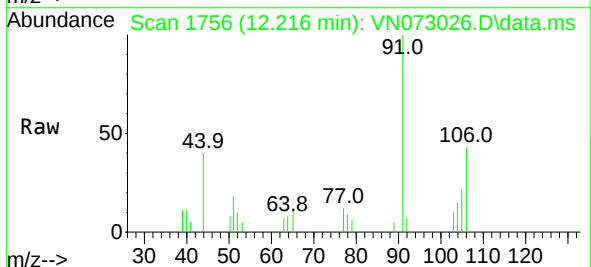
Instrument :
MSVOA_N
ClientSampleId :
PZ-9DL

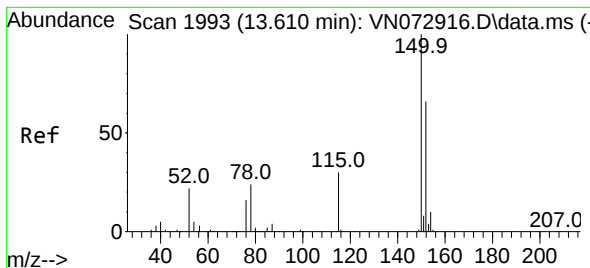
Tgt Ion:106 Resp: 326077
Ion Ratio Lower Upper
106 100
91 203.5 158.9 238.3



#69
o-Xylene
Concen: 0.415 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

Tgt Ion:106 Resp: 2273
Ion Ratio Lower Upper
106 100
91 224.0 106.0 318.0

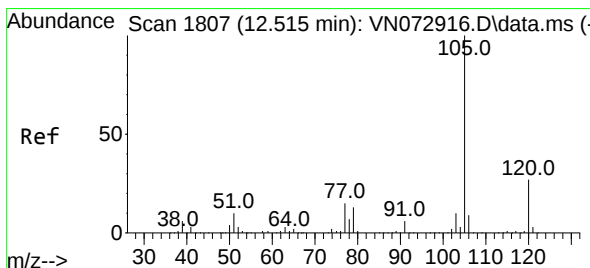
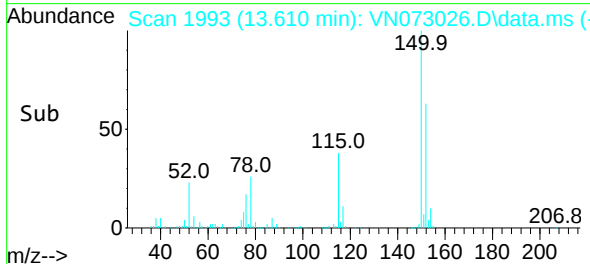
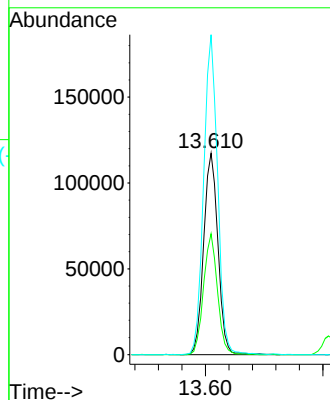
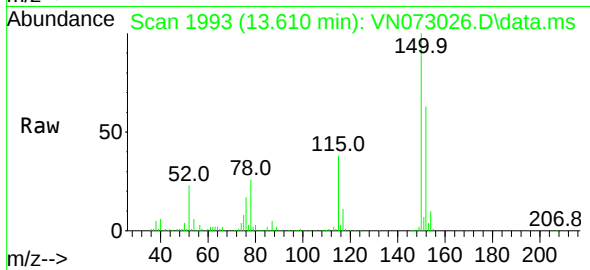




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

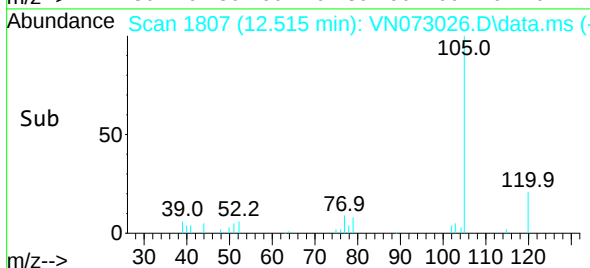
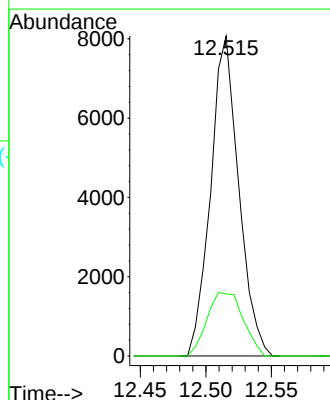
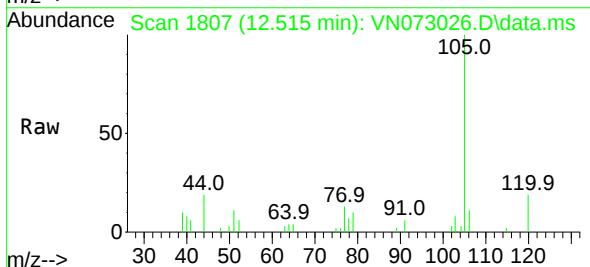
Instrument :
MSVOA_N
ClientSampleId :
PZ-9DL

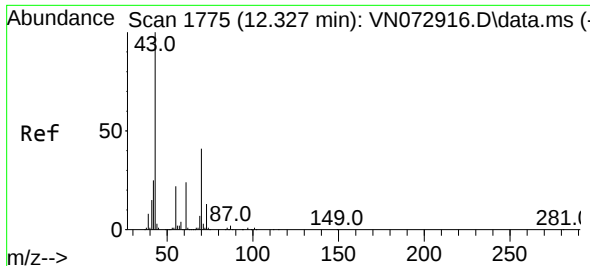
Tgt Ion:152 Resp: 197904
Ion Ratio Lower Upper
152 100
115 58.4 28.9 86.7
150 154.9 0.0 356.2



#73
Isopropylbenzene
Concen: 0.786 ug/l
RT: 12.515 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

Tgt Ion:105 Resp: 12030
Ion Ratio Lower Upper
105 100
120 25.4 13.5 40.4

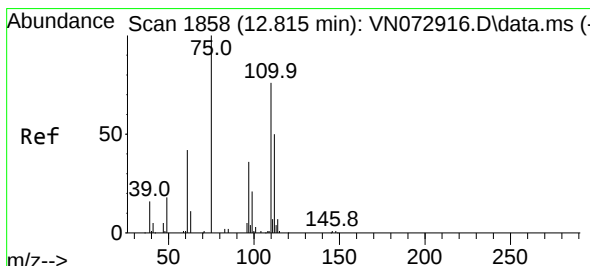
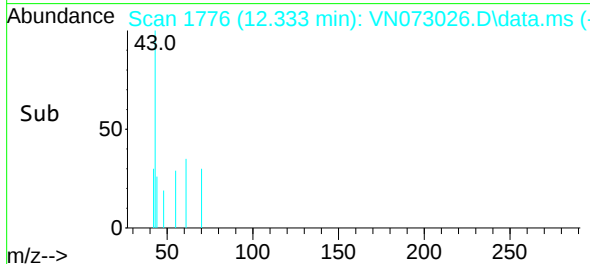
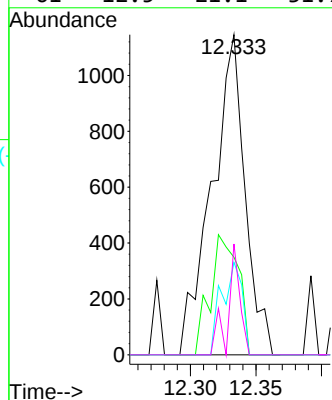
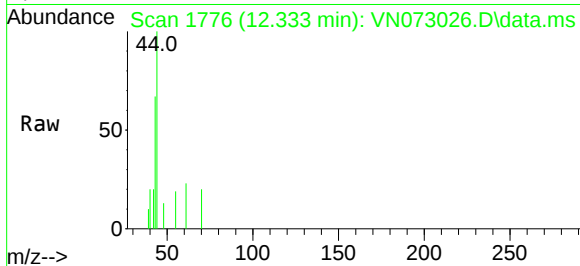




#74
N-amy1 acetate
Concen: 0.254 ug/l
RT: 12.333 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

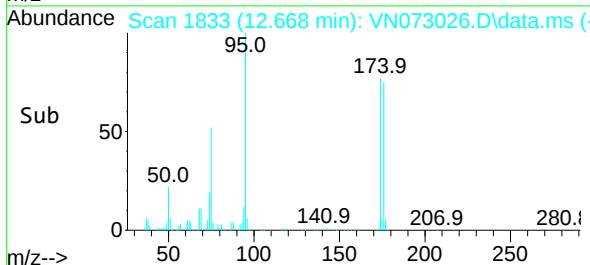
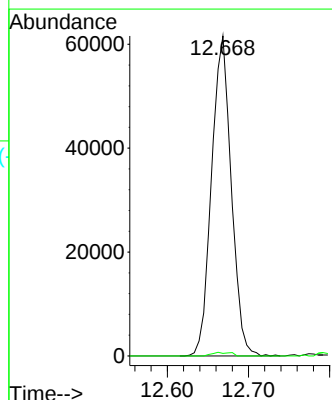
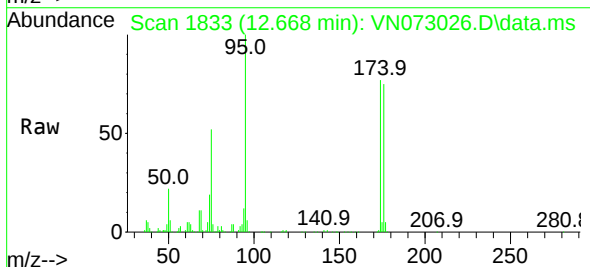
Instrument :
MSVOA_N
ClientSampleId :
PZ-9DL

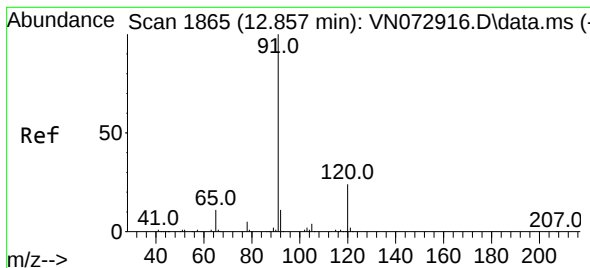
Tgt Ion: 43	Resp: 2018
Ion Ratio	Lower Upper
43 100	
70 31.8	39.0 58.4#
55 17.7	21.1 31.7#
61 12.5	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 21.663 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

Tgt Ion: 75	Resp: 103944
Ion Ratio	Lower Upper
75 100	
77 1.1	98.5 295.5#





#78

n-propylbenzene

Concen: 0.895 ug/l

RT: 12.857 min Scan# 1865

Delta R.T. -0.000 min

Lab File: VN073026.D

Acq: 22 Jun 2022 15:41

Instrument :

MSVOA_N

ClientSampleId :

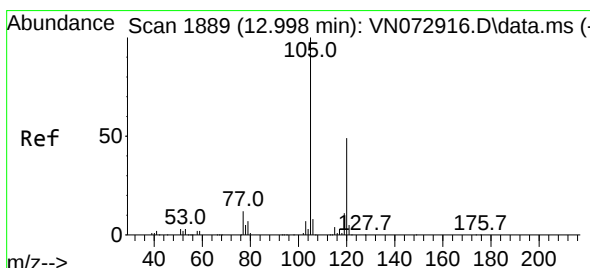
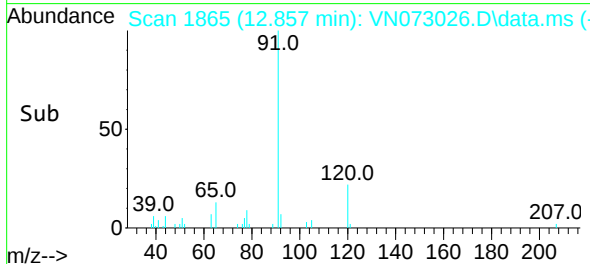
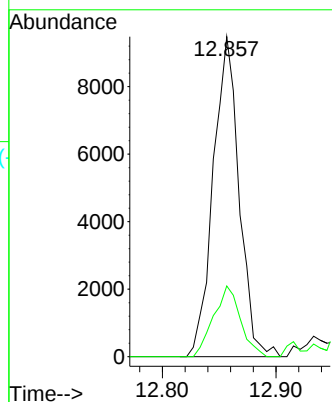
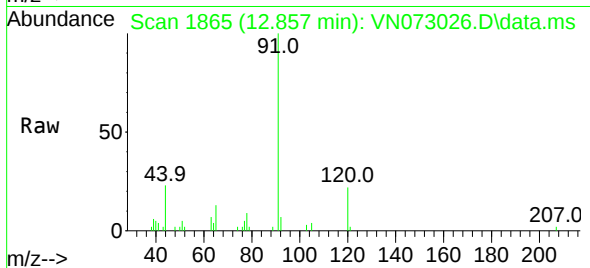
PZ-9DL

Tgt Ion: 91 Resp: 15064

Ion Ratio Lower Upper

91 100

120 22.9 11.9 35.5



#80

1,3,5-Trimethylbenzene

Concen: 0.464 ug/l

RT: 12.992 min Scan# 1888

Delta R.T. -0.006 min

Lab File: VN073026.D

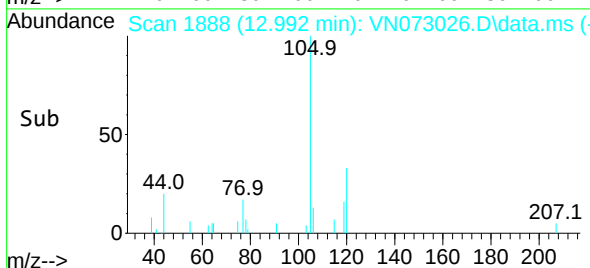
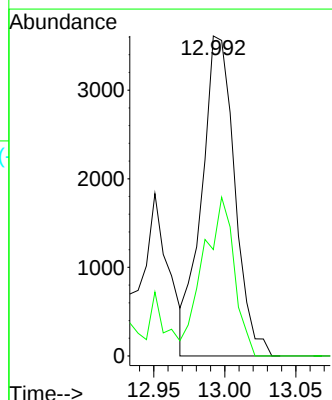
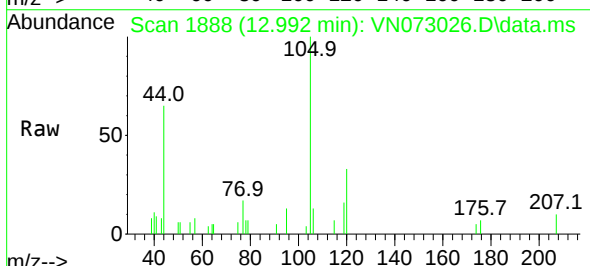
Acq: 22 Jun 2022 15:41

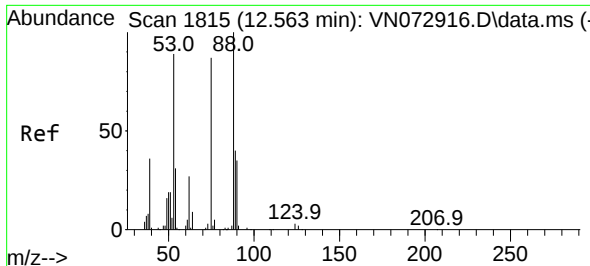
Tgt Ion: 105 Resp: 5834

Ion Ratio Lower Upper

105 100

120 46.6 24.9 74.7

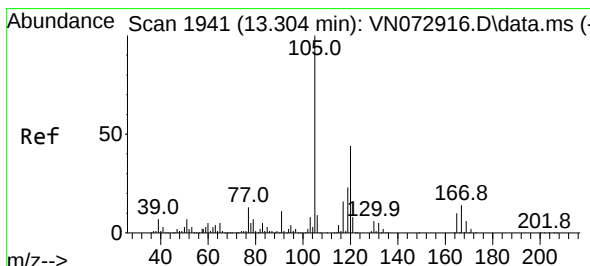
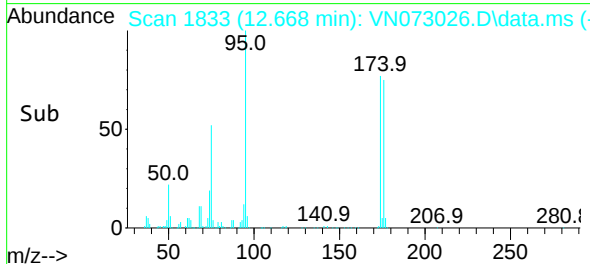
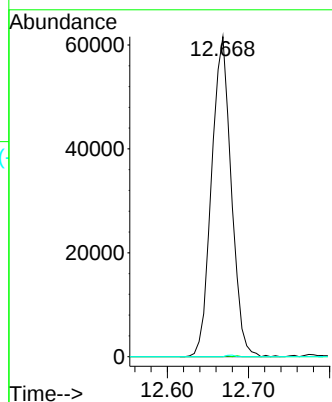
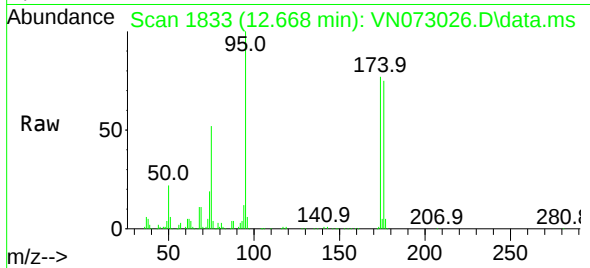




#81
trans-1,4-Dichloro-2-butene
Concen: 58.505 ug/l
RT: 12.668 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

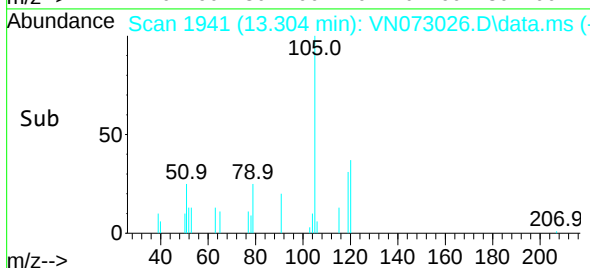
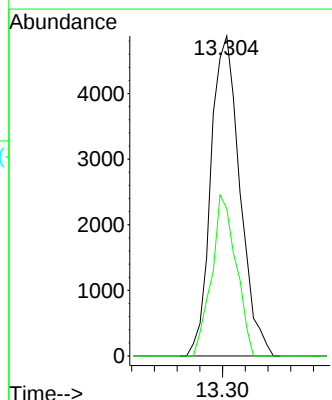
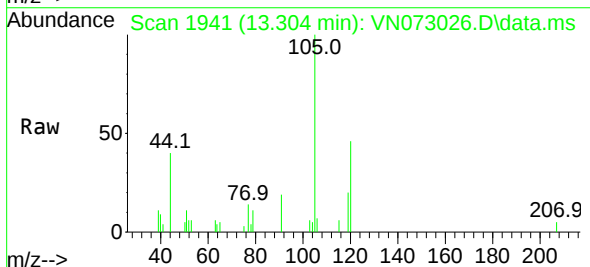
Instrument :
MSVOA_N
ClientSampleId :
PZ-9DL

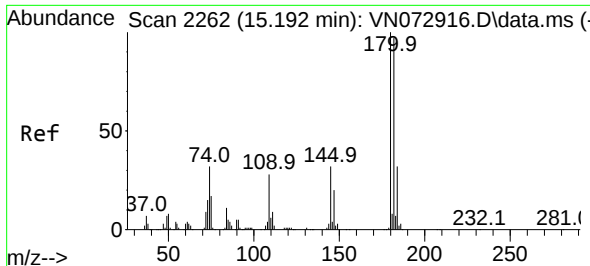
Tgt Ion: 75 Resp: 103944
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.2 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.689 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

Tgt Ion: 105 Resp: 8631
Ion Ratio Lower Upper
105 100
120 42.4 23.3 69.8

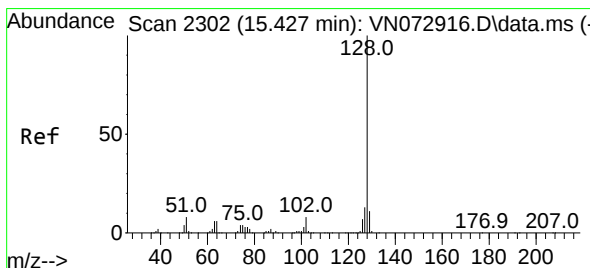
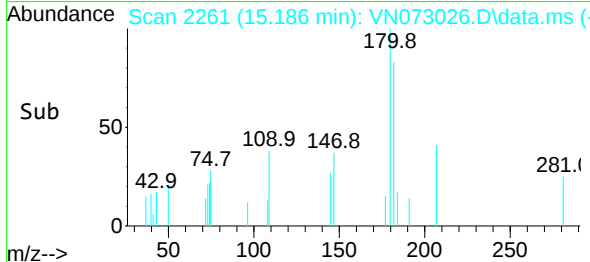
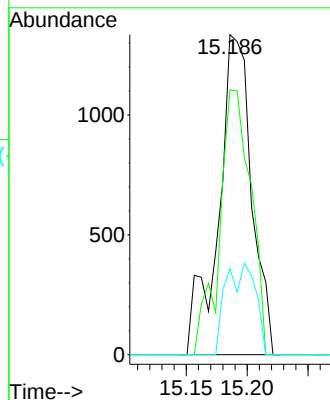
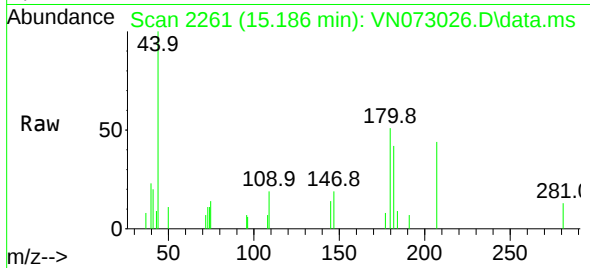




#93
1,2,4-Trichlorobenzene
Concen: 0.671 ug/l
RT: 15.186 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

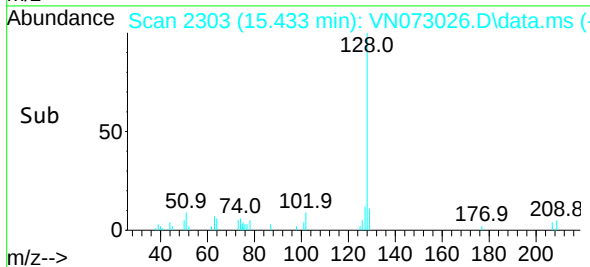
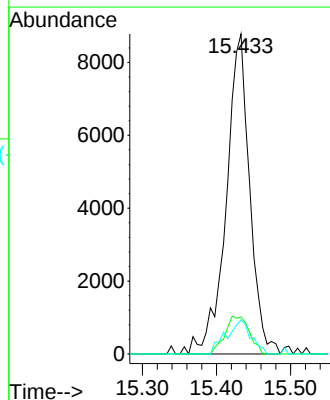
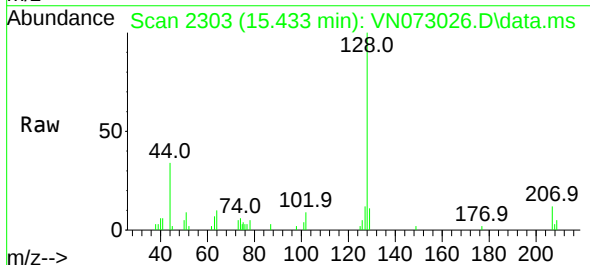
Instrument :
MSVOA_N
ClientSampleId :
PZ-9DL

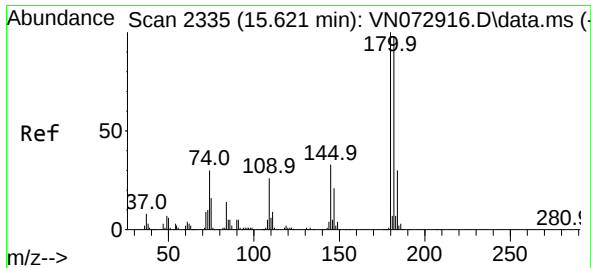
Tgt Ion	Ratio	Lower	Upper
180	100		
182	78.1	47.5	142.5
145	25.5	14.5	43.5



#95
Naphthalene
Concen: 1.267 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073026.D
Acq: 22 Jun 2022 15:41

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	11.1	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.742 ug/l
 RT: 15.621 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN073026.D
 Acq: 22 Jun 2022 15:41

Instrument :
 MSVOA_N
 ClientSampleId :
 PZ-9DL

Tgt Ion:180 Resp: 2993
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.8 143.3
 145 33.8 15.5 46.5

