

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
 Data File : VN074414.D
 Acq On : 12 Sep 2022 16:19
 Operator : JC\MD
 Sample : N4471-06DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11B-35-40-083122DL

Quant Time: Sep 13 05:56:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

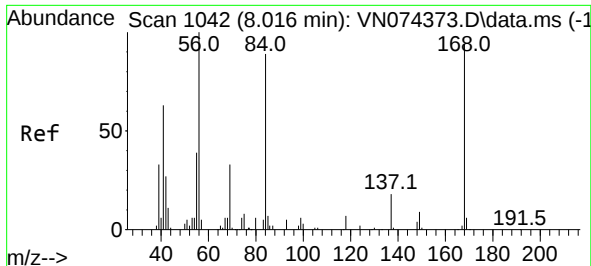
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.016	168	346935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	600943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	571082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	261249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	250369	41.711	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.420%
35) Dibromofluoromethane	7.951	113	214285	52.819	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.640%
50) Toluene-d8	10.380	98	721396	45.636	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.280%
62) 4-Bromofluorobenzene	12.674	95	284629	49.593	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1930	Below Cal	#	75
11) Tert butyl alcohol	5.228	59	1944	1.238	ug/l #	71
12) 1,1-Dichloroethene	4.116	96	3278	0.758	ug/l #	88
13) Acrolein	3.987	56	266	0.255	ug/l #	25
16) Acetone	4.234	43	2297	0.709	ug/l #	46
18) Methyl Acetate	4.787	43	4282	0.448	ug/l #	80
20) Methylene Chloride	4.998	84	691	Below Cal	#	46
24) 1,1-Dichloroethane	6.298	63	11765	1.199	ug/l #	92
27) cis-1,2-Dichloroethene	7.251	96	22556	3.778	ug/l	88
29) Tetrahydrofuran	7.616	42	1072	0.298	ug/l #	45
31) Cyclohexane	8.016	56	10587	1.109	ug/l #	2
36) 1,1-Dichloropropene	8.016	75	34677	5.188	ug/l #	50
38) Carbon Tetrachloride	8.016	117	38978	5.649	ug/l #	15
39) Methylcyclohexane	9.151	83	2257	0.266	ug/l #	31
42) 1,2-Dichloroethane	8.469	62	2996	0.383	ug/l #	76
44) Trichloroethene	9.151	130	143890	31.364	ug/l	92
49) 1,4-Dioxane	9.510	88	57	0.387	ug/l #	1
74) N-amyl acetate	12.339	43	303	Below Cal	#	45
76) 1,2,3-Trichloropropane	12.674	75	174963	25.619	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	174963	57.104	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.504	75	63	Below Cal	#	8

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

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Quant Title : SW846 8260
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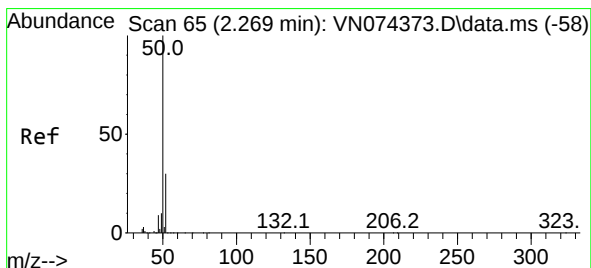
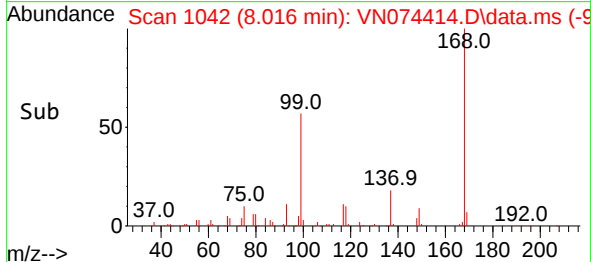
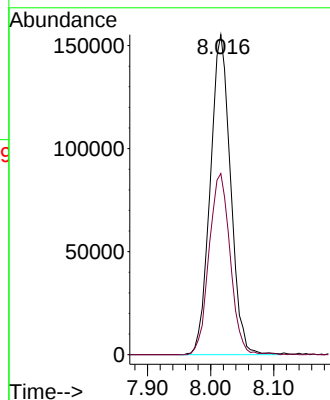
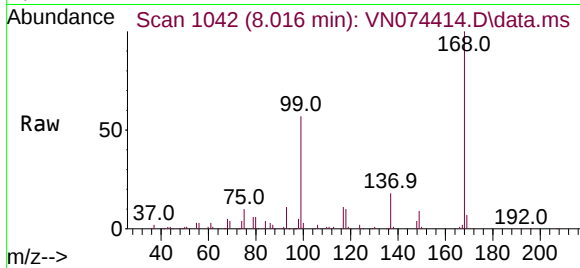




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

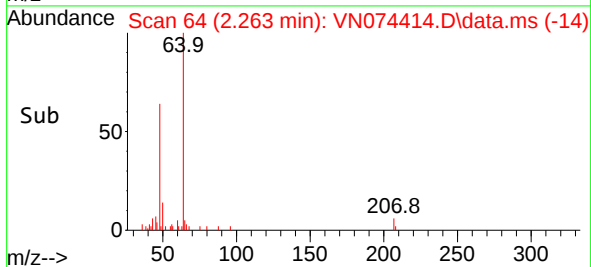
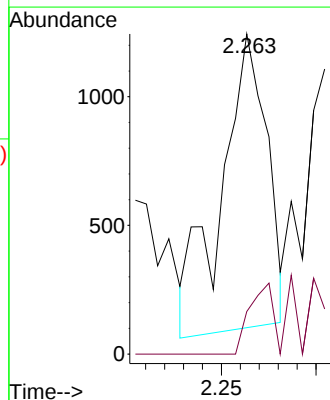
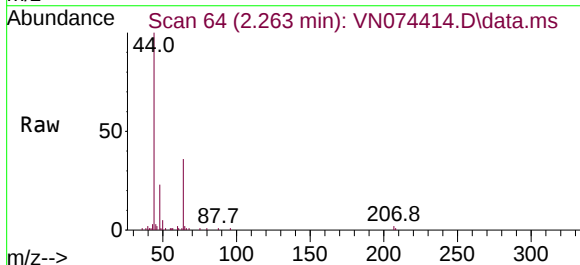
Instrument :
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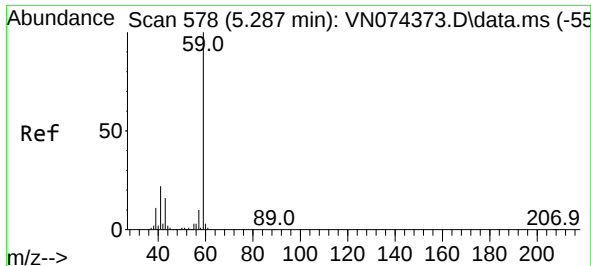
Tgt Ion:168 Resp: 346935
Ion Ratio Lower Upper
168 100
99 56.6 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

Tgt Ion: 50 Resp: 1930
Ion Ratio Lower Upper
50 100
52 16.8 24.1 36.1#

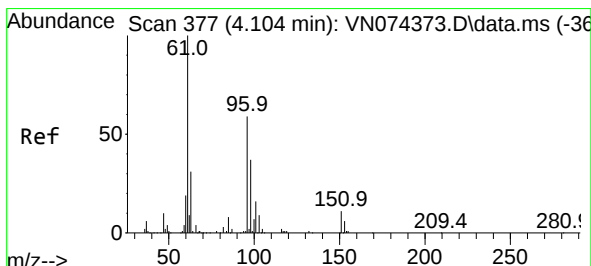
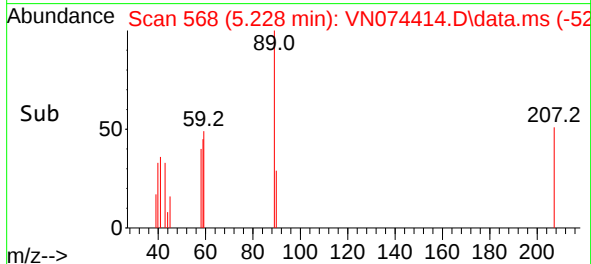
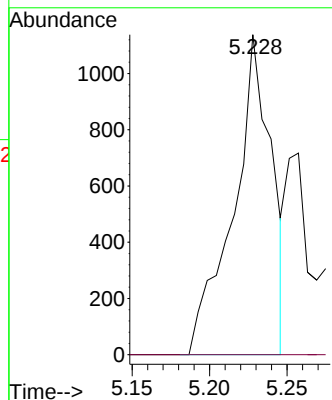
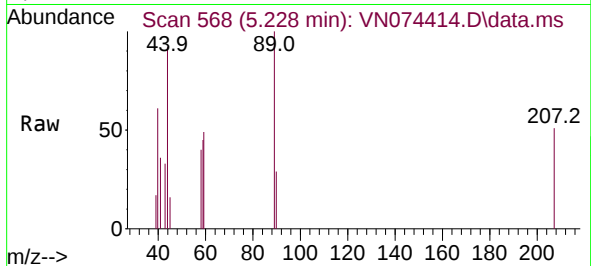




#11
Tert butyl alcohol
Concen: 1.238 ug/l
RT: 5.228 min Scan# 509
Delta R.T. -0.059 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

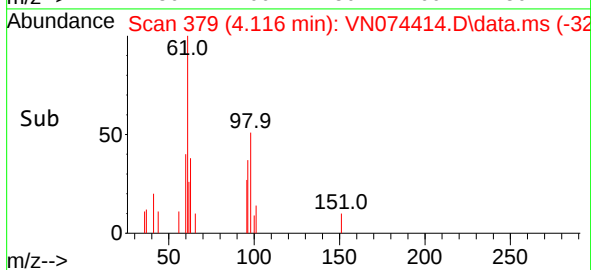
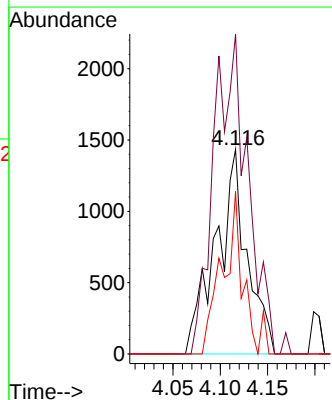
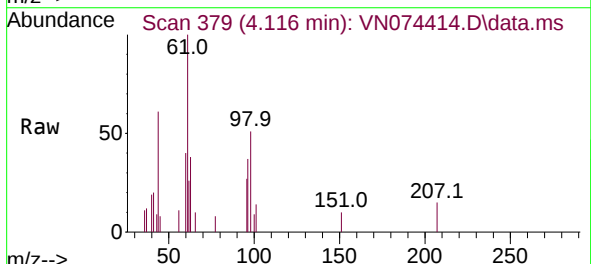
Instrument :
MSVOA_N
ClientSampleId :
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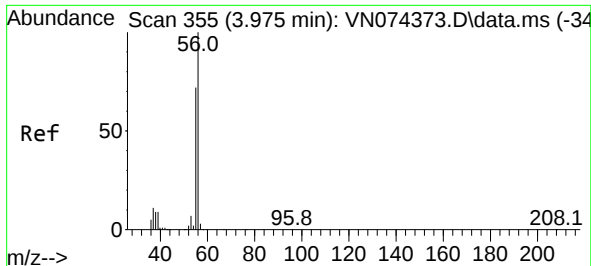
Tgt Ion: 59 Resp: 1944
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 0.758 ug/l
RT: 4.116 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

Tgt Ion: 96 Resp: 3278
Ion Ratio Lower Upper
96 100
61 156.4 134.7 202.1
98 79.4 50.2 75.4#

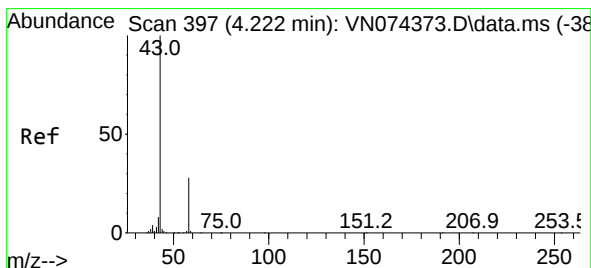
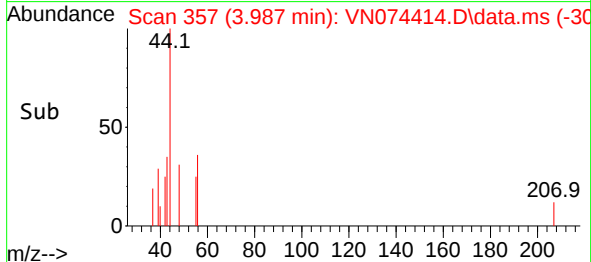
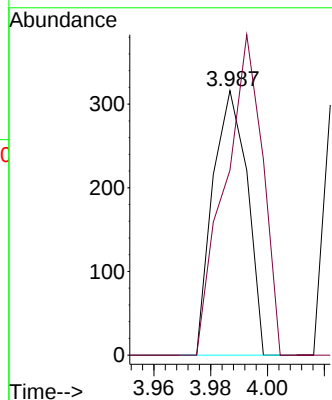
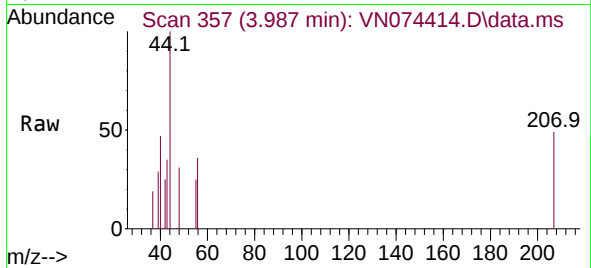




#13
Acrolein
Concen: 0.255 ug/l
RT: 3.987 min Scan# 357
Delta R.T. 0.012 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

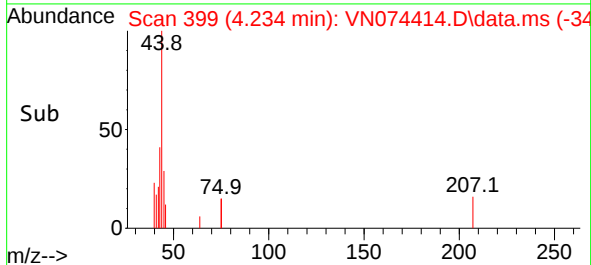
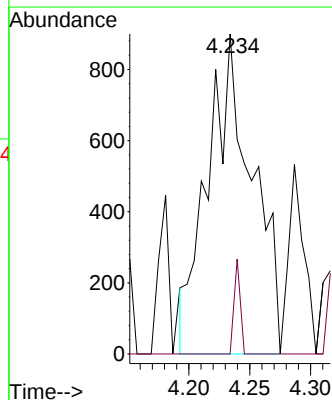
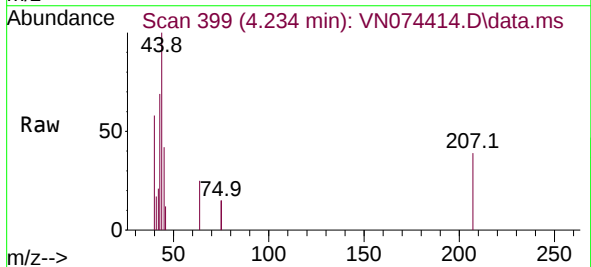
Instrument :
MSVOA_N
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MW-11B-35-40-083122DL

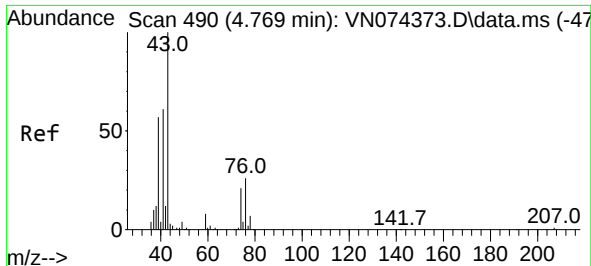
Tgt Ion: 56 Resp: 266
Ion Ratio Lower Upper
56 100
55 132.3 56.2 84.4#



#16
Acetone
Concen: 0.709 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

Tgt Ion: 43 Resp: 2297
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#

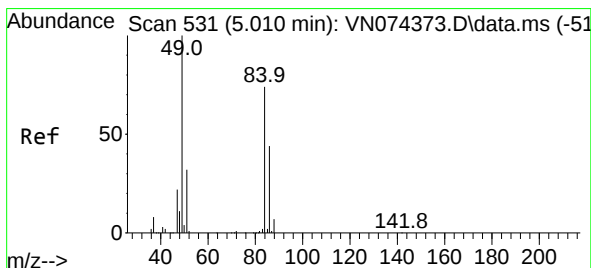
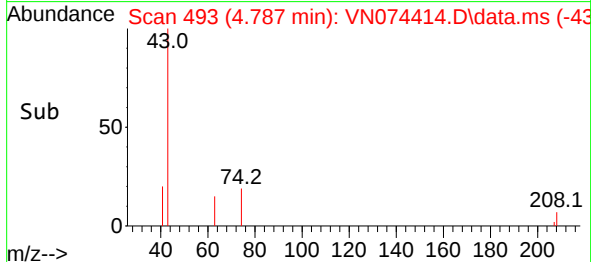
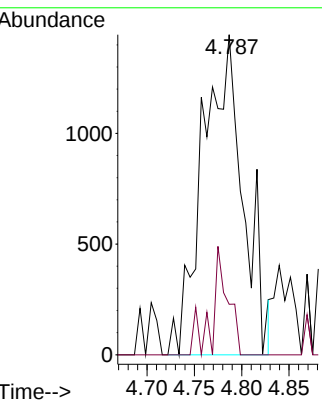
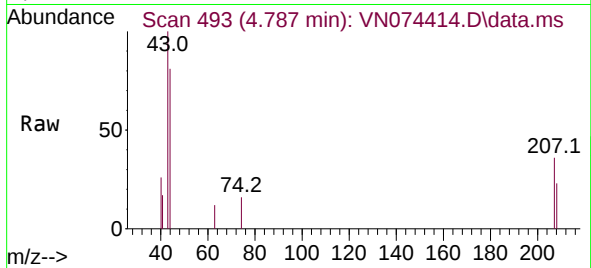




#18
Methyl Acetate
Concen: 0.448 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.018 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

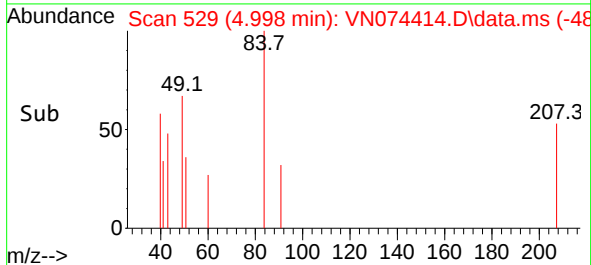
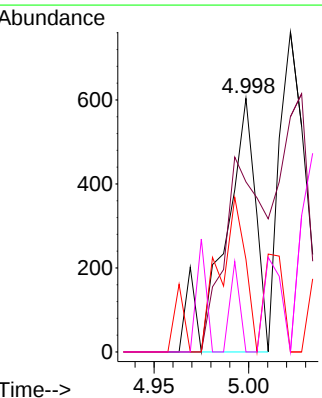
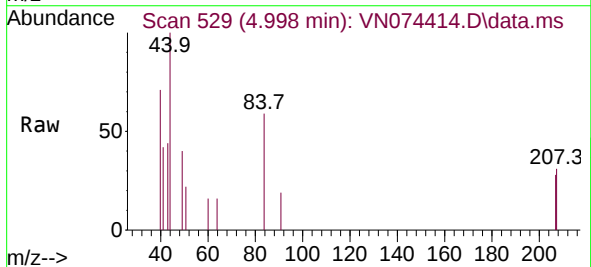
Instrument :
MSVOA_N
ClientSampleId :
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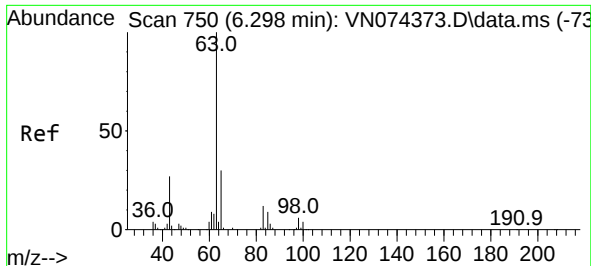
Tgt Ion: 43 Resp: 4282
Ion Ratio Lower Upper
43 100
74 11.7 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.998 min Scan# 529
Delta R.T. -0.012 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

Tgt Ion: 84 Resp: 691
Ion Ratio Lower Upper
84 100
49 67.1 108.2 162.4#
51 36.4 34.3 51.5
86 0.0 48.2 72.2#

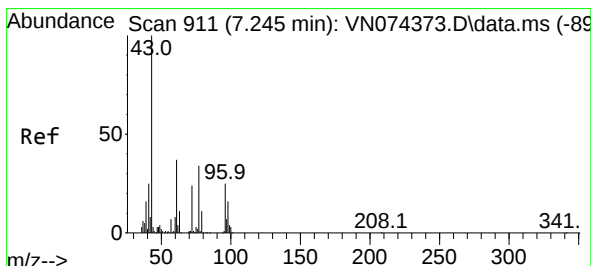
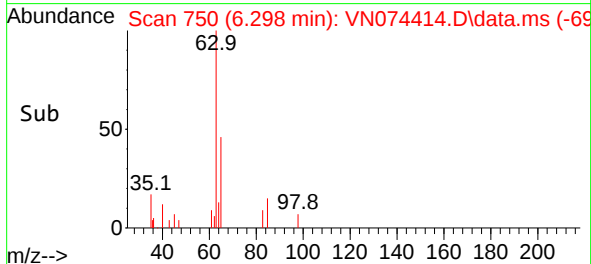
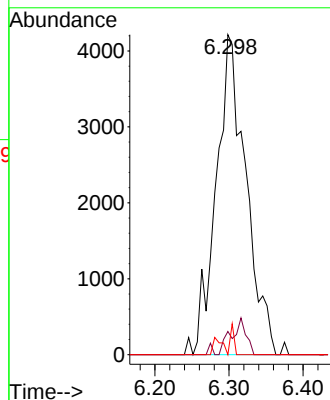
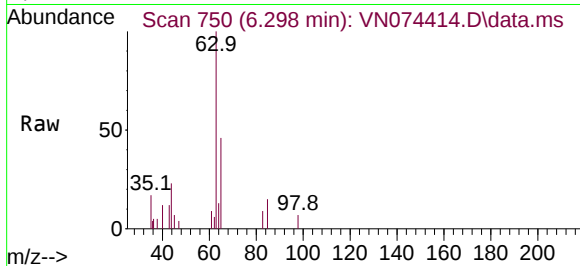




#24
1,1-Dichloroethane
Concen: 1.199 ug/l
RT: 6.298 min Scan# 711
Delta R.T. 0.000 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

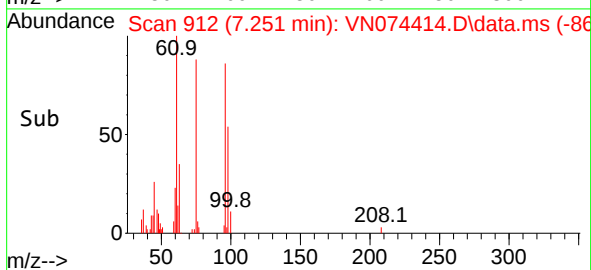
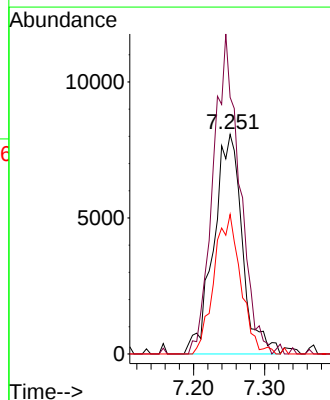
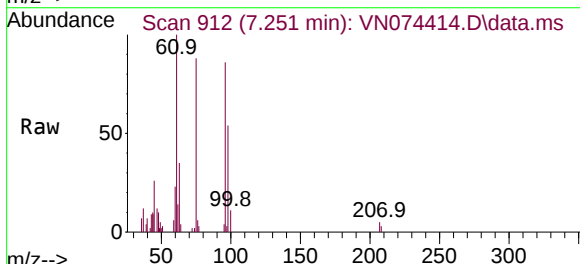
Instrument :
MSVOA_N
ClientSampleId :
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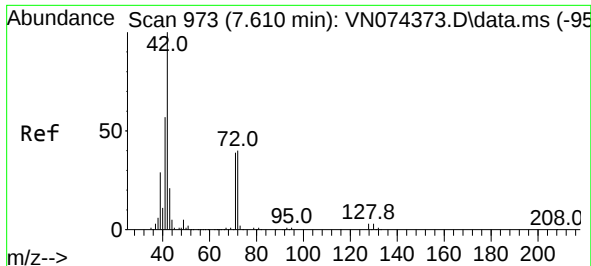
Tgt Ion:	63	Resp:	11765
Ion	Ratio	Lower	Upper
63	100		
98	7.3	2.9	8.6
100	0.0	2.0	5.8



#27
cis-1,2-Dichloroethene
Concen: 3.778 ug/l
RT: 7.251 min Scan# 912
Delta R.T. 0.006 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

Tgt Ion:	96	Resp:	22556
Ion	Ratio	Lower	Upper
96	100		
61	134.6	0.0	306.2
98	59.5	0.0	129.8





#29

Tetrahydrofuran

Concen: 0.298 ug/l

RT: 7.616 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN074414.D

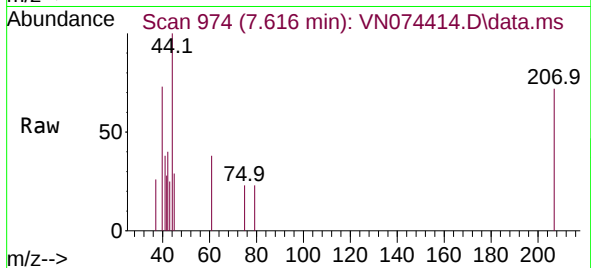
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Instrument :

MSVOA_N

ClientSampleId :

MW-11B-35-40-083122DL



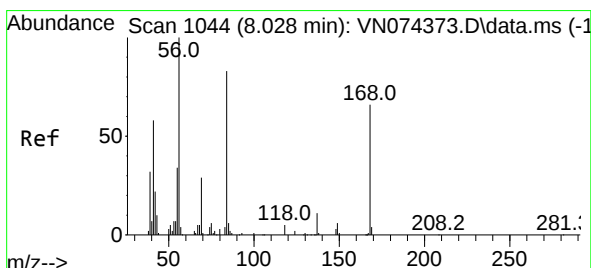
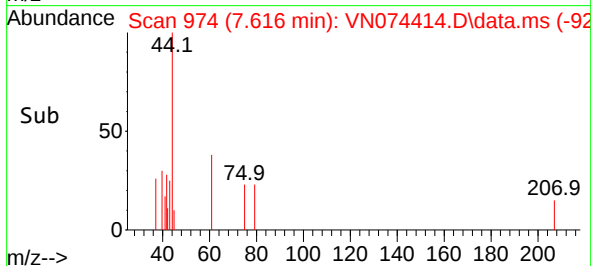
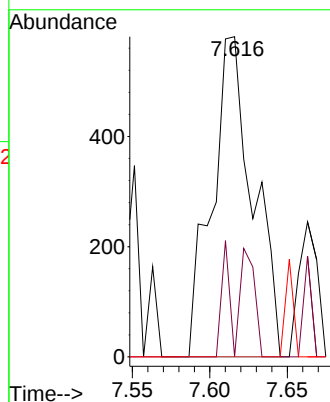
Tgt Ion: 42 Resp: 1072

Ion Ratio Lower Upper

42 100

72 11.8 32.7 49.1#

71 0.0 31.0 46.6#



#31

Cyclohexane

Concen: 1.109 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.012 min

Lab File: VN074414.D

Acq: 12 Sep 2022 16:19

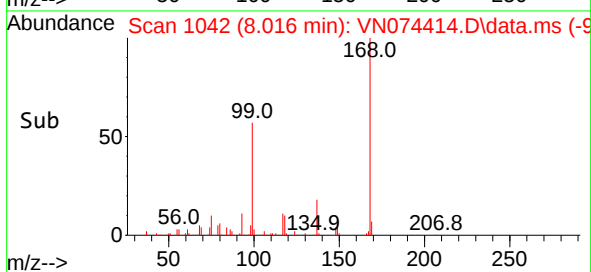
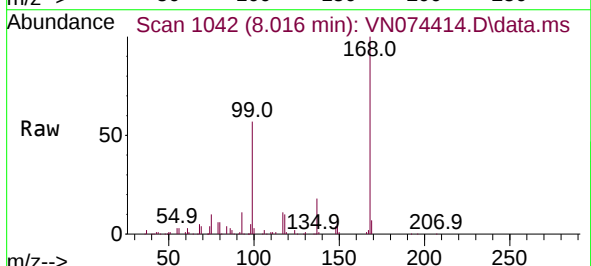
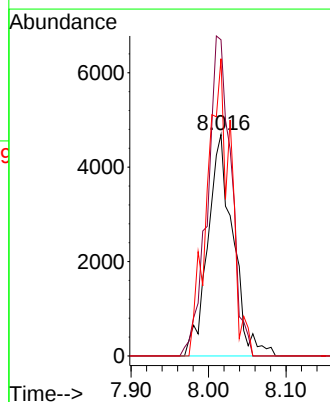
Tgt Ion: 56 Resp: 10587

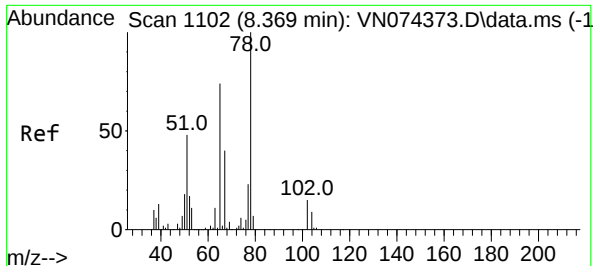
Ion Ratio Lower Upper

56 100

69 142.7 23.0 34.4#

84 134.3 66.3 99.5#





#33

1,2-Dichloroethane-d4

Concen: 41.711 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074414.D

Acq: 12 Sep 2022 16:19

Instrument :

MSVOA_N

ClientSampleId :

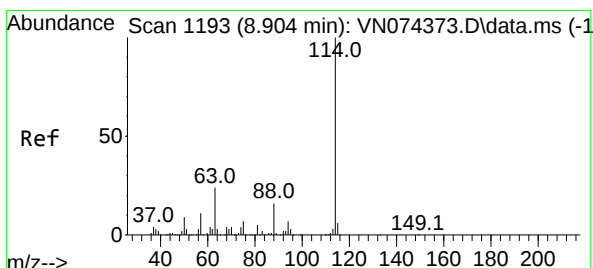
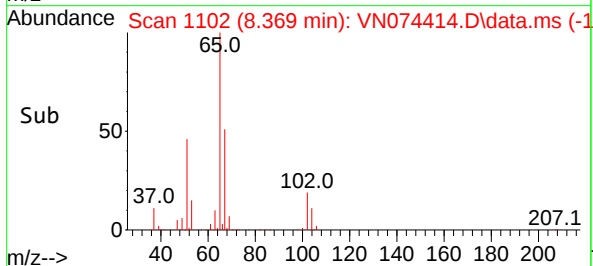
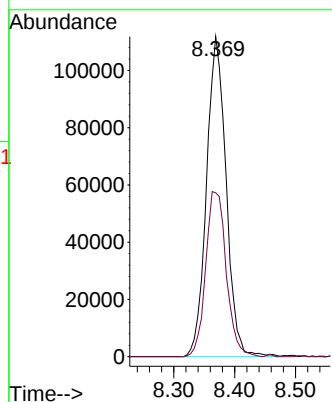
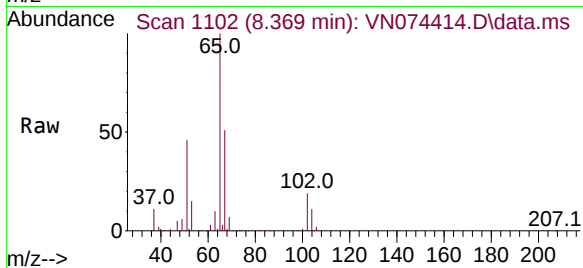
MW-11B-35-40-083122DL

Tgt Ion: 65 Resp: 250369

Ion Ratio Lower Upper

65 100

67 54.2 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074414.D

Acq: 12 Sep 2022 16:19

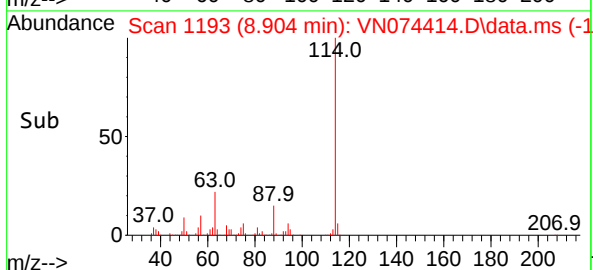
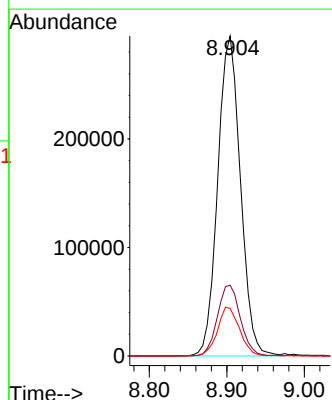
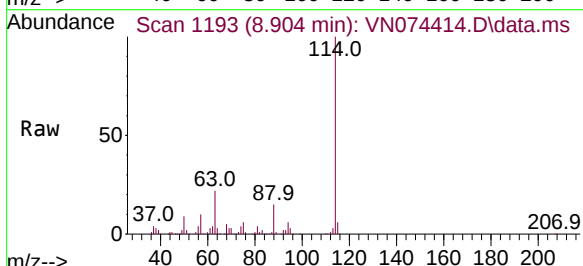
Tgt Ion: 114 Resp: 600943

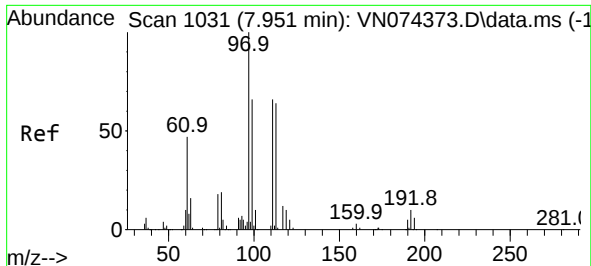
Ion Ratio Lower Upper

114 100

63 22.0 0.0 47.6

88 14.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.819 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074414.D

Acq: 12 Sep 2022 16:19

Instrument :

MSVOA_N

ClientSampleId :

MW-11B-35-40-083122DL

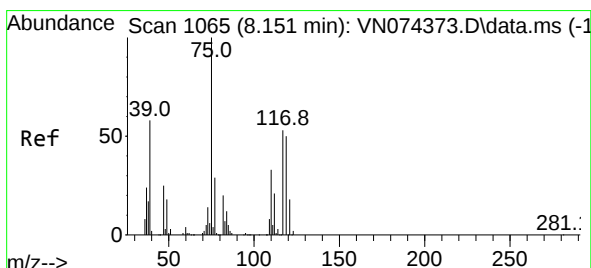
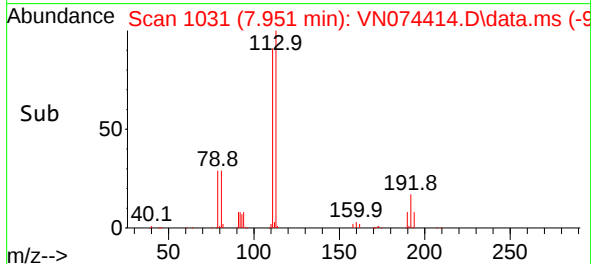
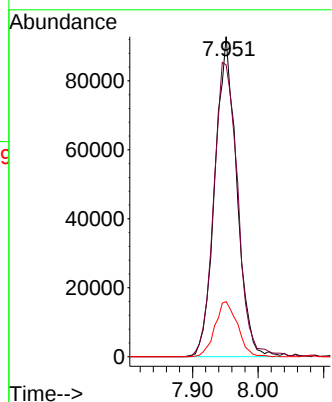
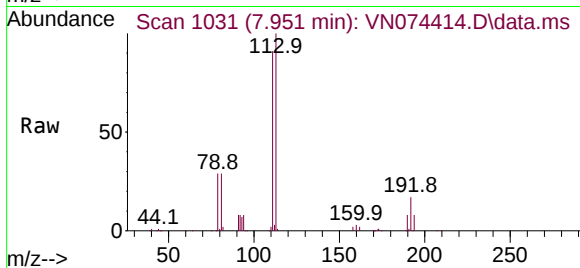
Tgt Ion:113 Resp: 214285

Ion Ratio Lower Upper

113 100

111 101.0 83.0 124.4

192 17.8 13.7 20.5



#36

1,1-Dichloropropene

Concen: 5.188 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN074414.D

Acq: 12 Sep 2022 16:19

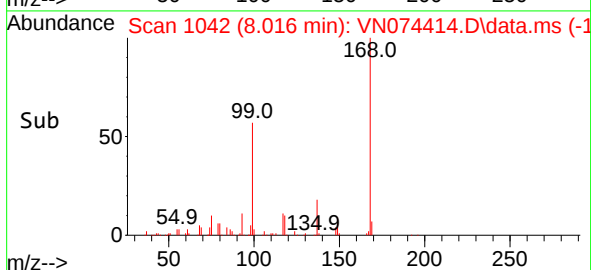
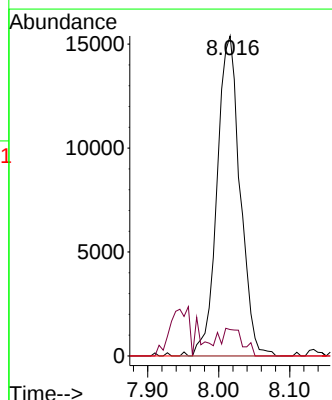
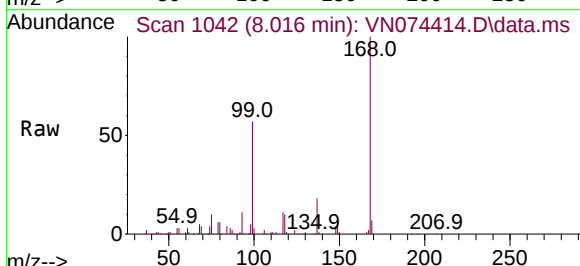
Tgt Ion: 75 Resp: 34677

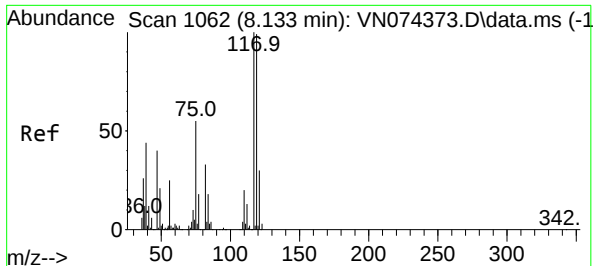
Ion Ratio Lower Upper

75 100

110 8.5 16.4 49.1#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.649 ug/l

RT: 8.016 min Scan# 11

Delta R.T. -0.118 min

Lab File: VN074414.D

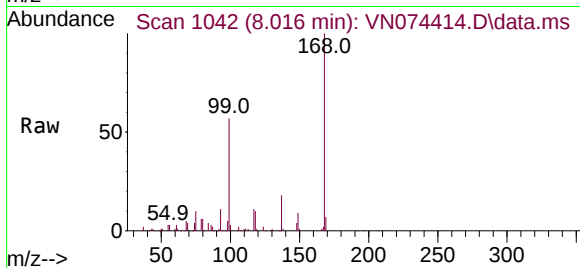
Acq: 12 Sep 2022 16:19

Instrument :

MSVOA_N

ClientSampleId :

MW-11B-35-40-083122DL



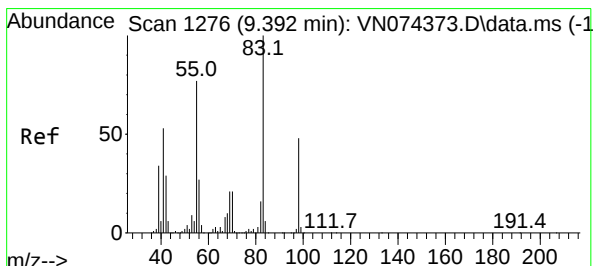
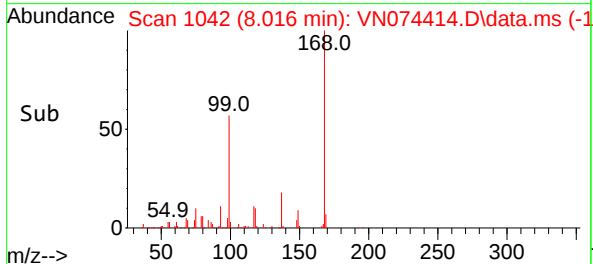
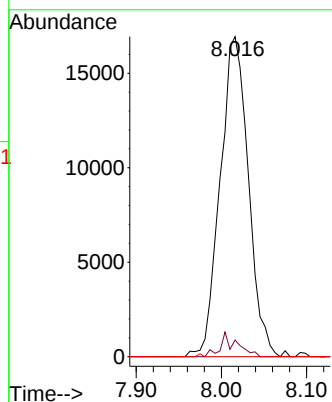
Tgt Ion:117 Resp: 38978

Ion Ratio Lower Upper

117 100

119 5.2 78.8 118.2#

121 0.0 24.1 36.1#



#39

Methylcyclohexane

Concen: 0.266 ug/l

RT: 9.151 min Scan# 1235

Delta R.T. -0.241 min

Lab File: VN074414.D

Acq: 12 Sep 2022 16:19

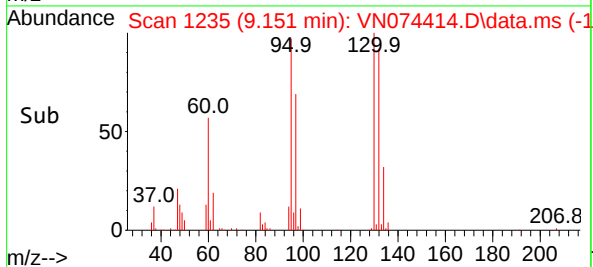
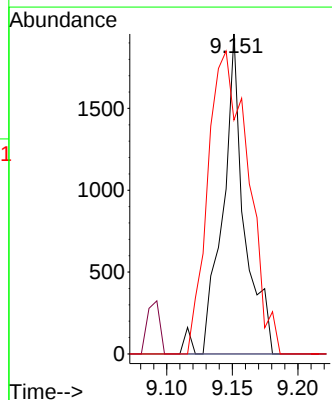
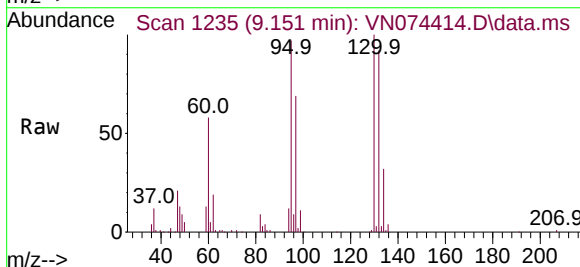
Tgt Ion: 83 Resp: 2257

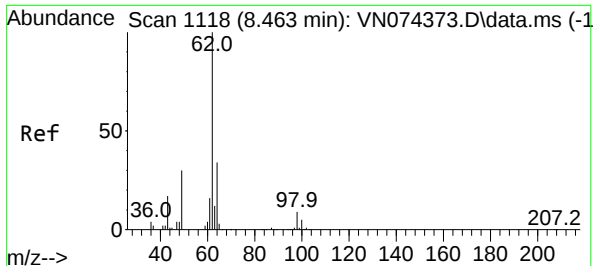
Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

98 73.1 38.5 57.7#





#42

1,2-Dichloroethane

Concen: 0.383 ug/l

RT: 8.469 min Scan# 1118

Delta R.T. 0.006 min

Lab File: VN074414.D

Acq: 12 Sep 2022 16:19

Instrument :

MSVOA_N

ClientSampleId :

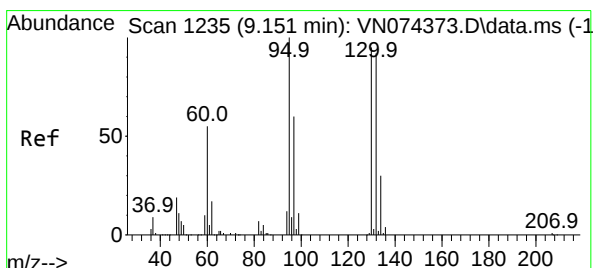
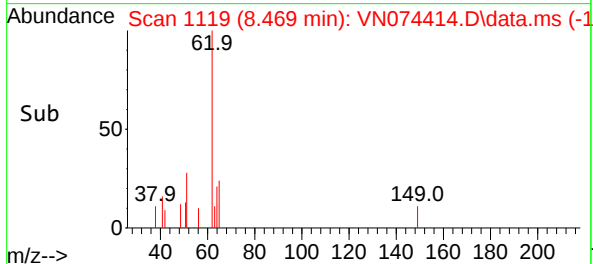
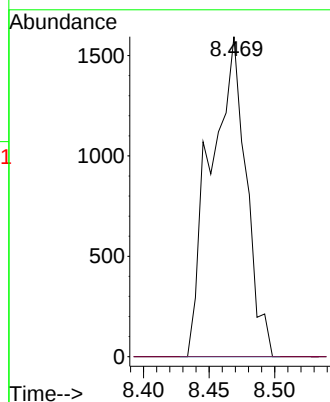
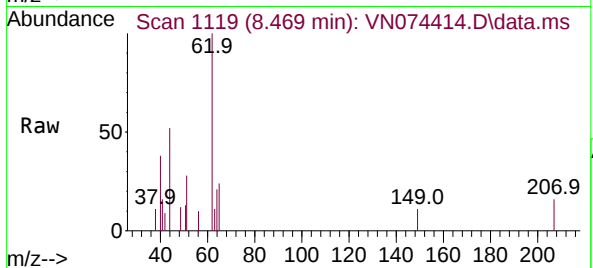
MW-11B-35-40-083122DL

Tgt Ion: 62 Resp: 2996

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.6



#44

Trichloroethene

Concen: 31.364 ug/l

RT: 9.151 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VN074414.D

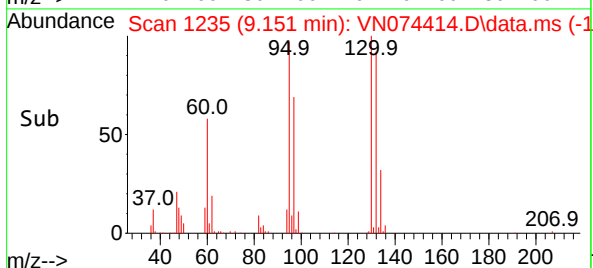
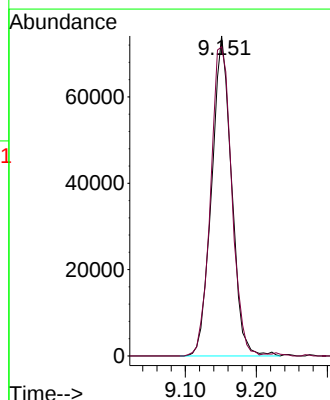
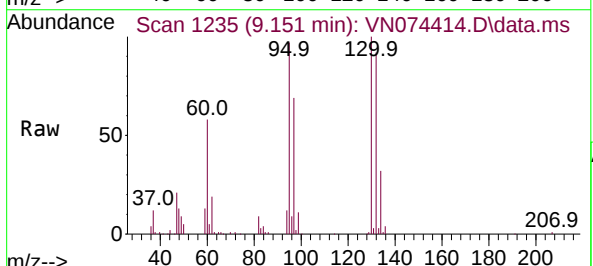
Acq: 12 Sep 2022 16:19

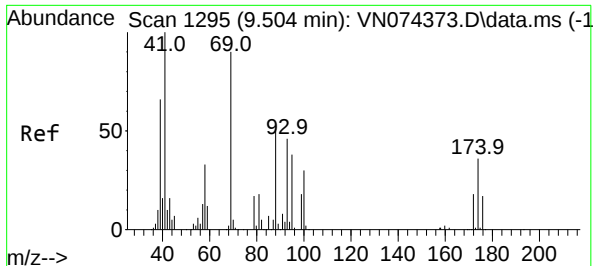
Tgt Ion:130 Resp: 143890

Ion Ratio Lower Upper

130 100

95 96.6 0.0 210.0

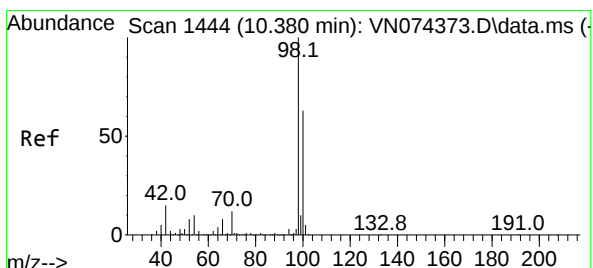
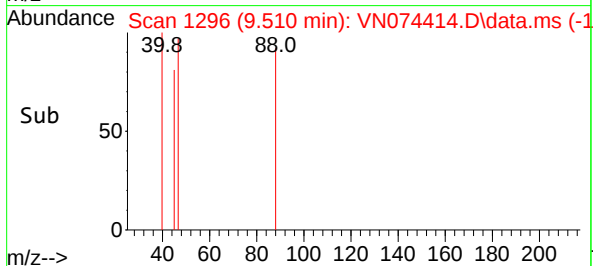
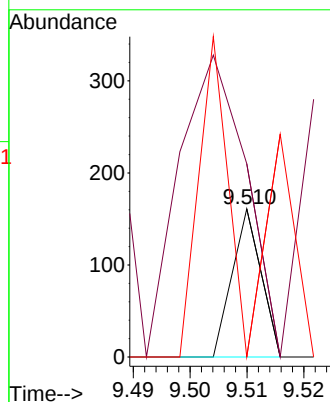
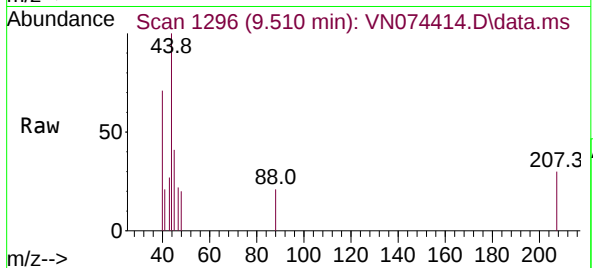




#49
1,4-Dioxane
Concen: 0.387 ug/l
RT: 9.510 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

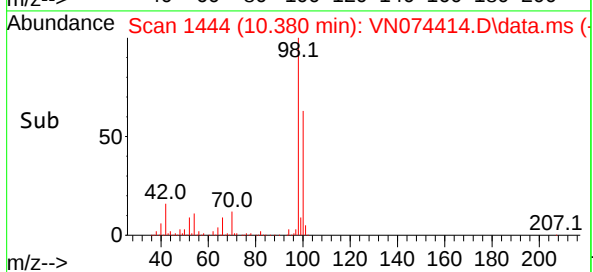
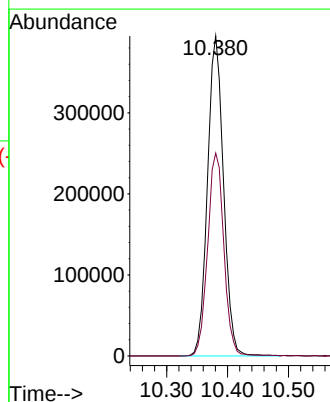
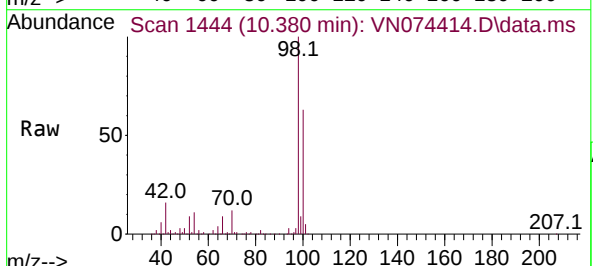
Instrument :
MSVOA_N
ClientSampleId :
MW-11B-35-40-083122DL

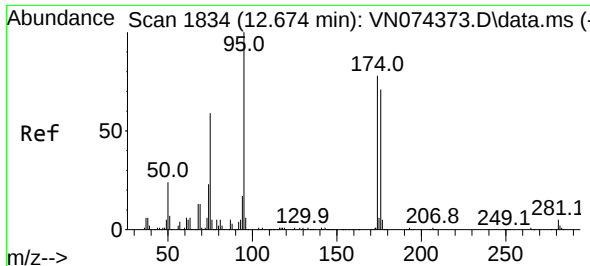
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 470.2 26.9 40.3#
58 364.9 52.7 79.1#



#50
Toluene-d8
Concen: 45.636 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

Tgt Ion: 98 Resp: 721396
Ion Ratio Lower Upper
98 100
100 64.4 50.6 76.0

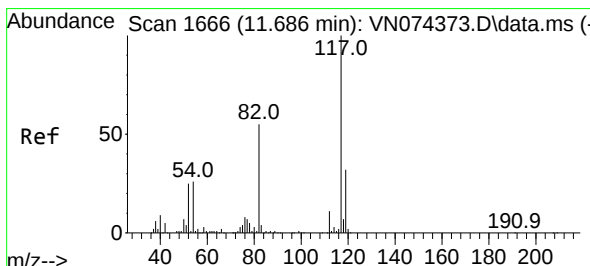
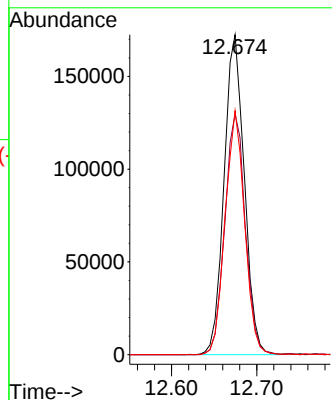
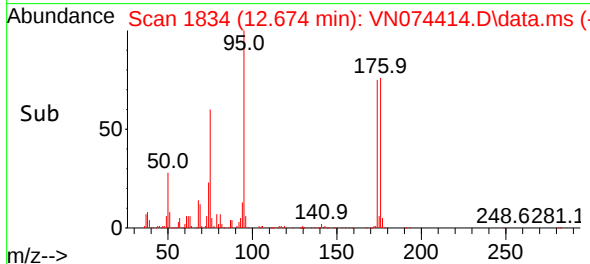
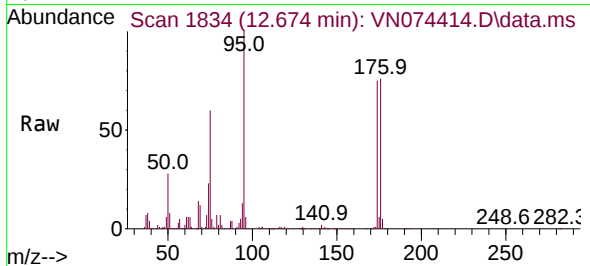




#62
4-Bromofluorobenzene
Concen: 49.593 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

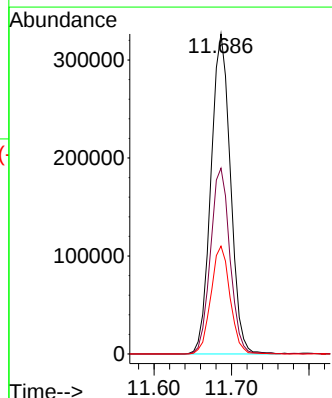
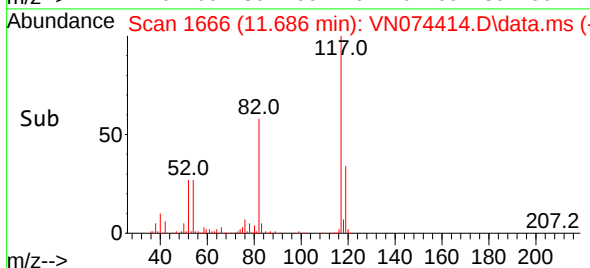
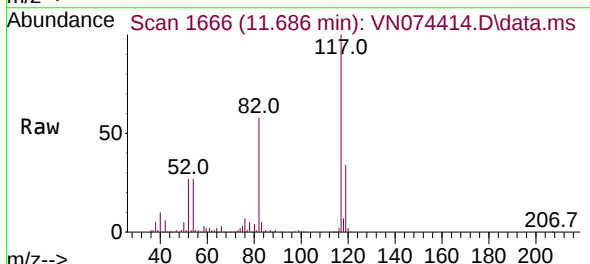
Instrument :
MSVOA_N
ClientSampleId :
MW-11B-35-40-083122DL

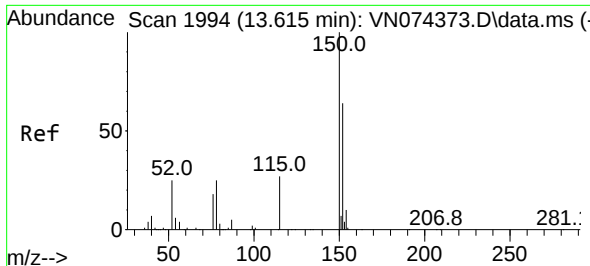
Tgt Ion: 95 Resp: 284629
Ion Ratio Lower Upper
95 100
174 76.3 0.0 150.6
176 73.8 0.0 143.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

Tgt Ion: 117 Resp: 571082
Ion Ratio Lower Upper
117 100
82 58.1 44.3 66.5
119 33.7 25.5 38.3

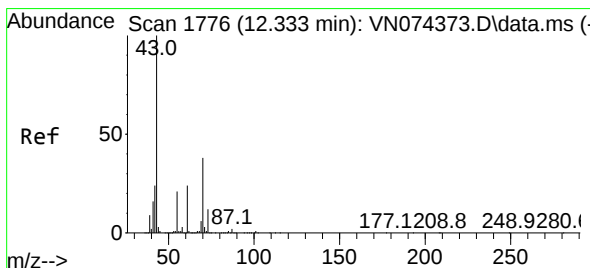
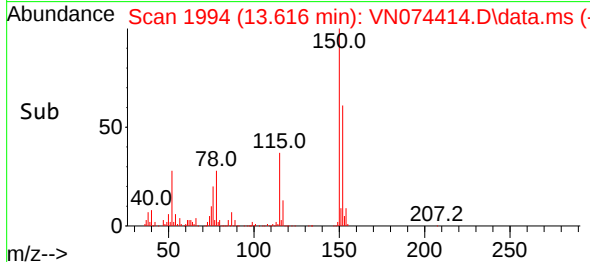
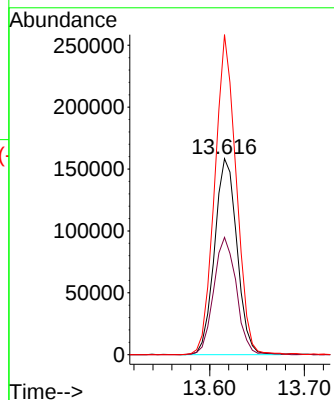
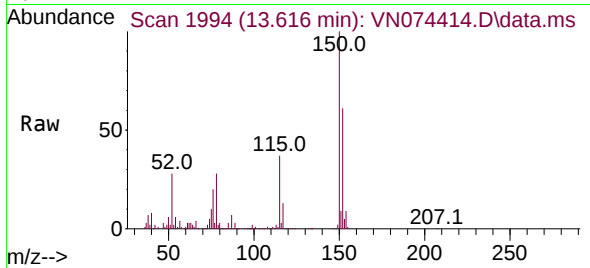




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

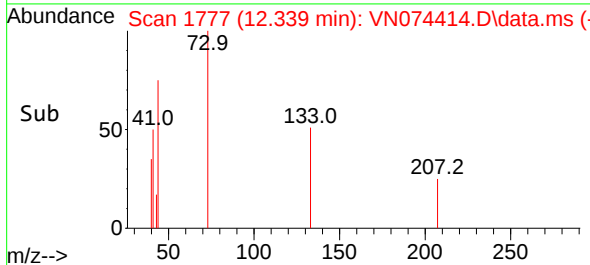
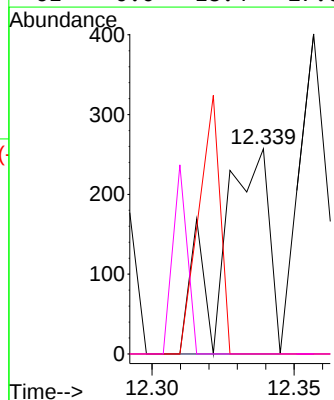
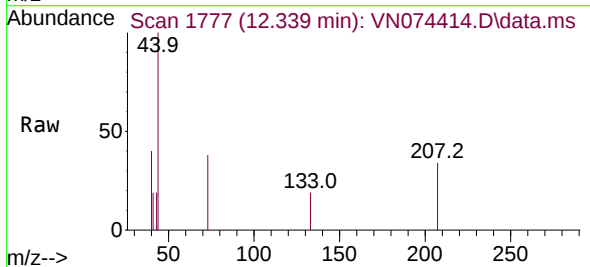
Instrument :
MSVOA_N
ClientSampleId :
MW-11B-35-40-083122DL

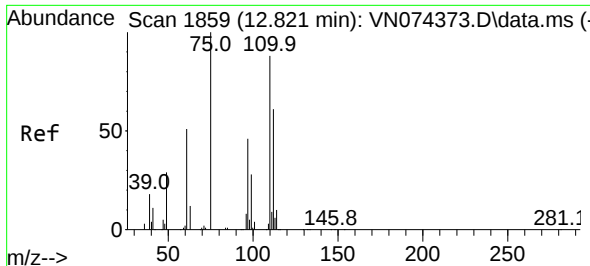
Tgt Ion:152 Resp: 261249
Ion Ratio Lower Upper
152 100
115 60.5 32.0 96.0
150 156.0 0.0 359.6



#74
N-ethyl acetate
Concen: Below Cal
RT: 12.339 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

Tgt Ion: 43 Resp: 303
Ion Ratio Lower Upper
43 100
70 0.0 31.4 47.0#
55 0.0 17.0 25.6#
61 0.0 18.4 27.6#

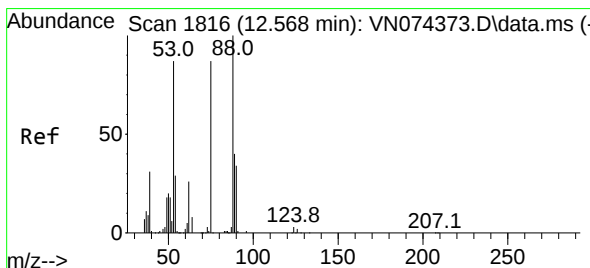
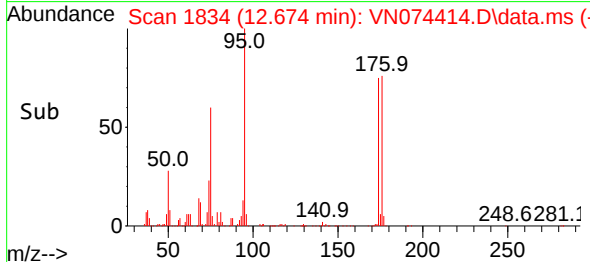
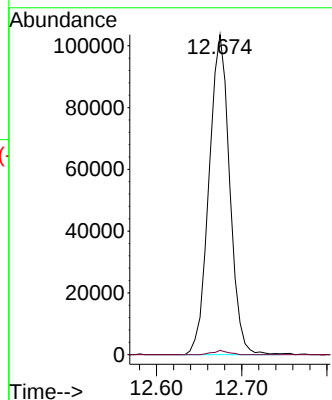
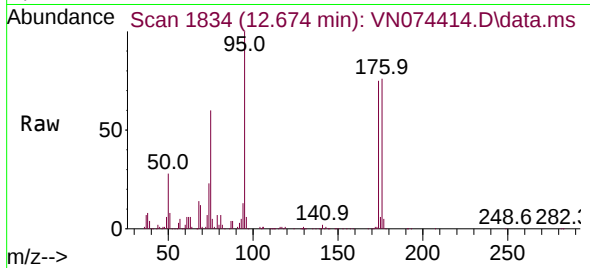




#76
1,2,3-Trichloropropane
Concen: 25.619 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

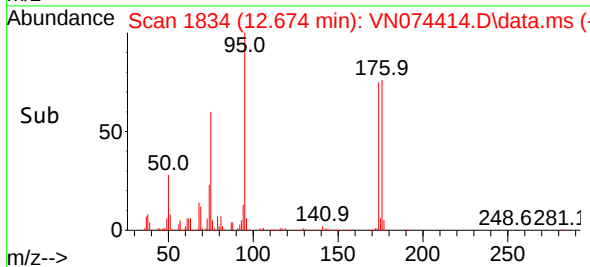
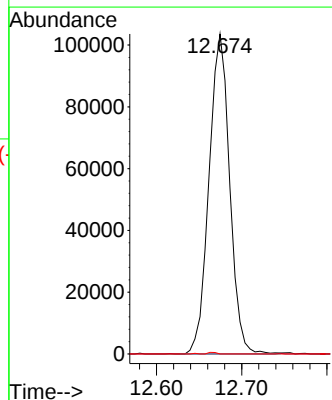
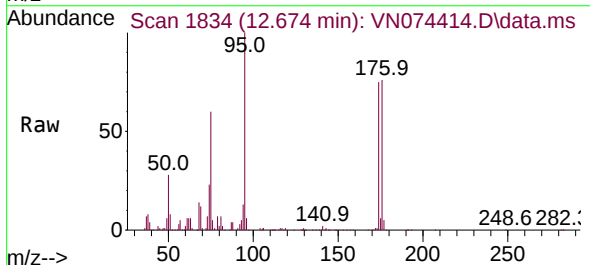
Instrument : MSVOA_N
ClientSampleId : MW-11B-35-40-083122DL

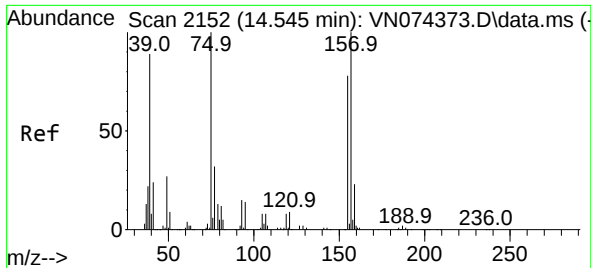
Tgt Ion: 75 Resp: 174963
Ion Ratio Lower Upper
75 100
77 1.0 78.9 236.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.104 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074414.D
Acq: 12 Sep 2022 16:19

Tgt Ion: 75 Resp: 174963
Ion Ratio Lower Upper
75 100
53 0.0 82.2 123.2#
89 0.2 37.7 56.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.504 min Scan# 21

Delta R.T. -0.041 min

Lab File: VN074414.D

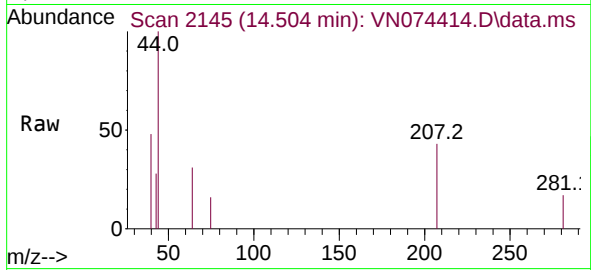
Acq: 12 Sep 2022 16:19

Instrument :

MSVOA_N

ClientSampleId :

MW-11B-35-40-083122DL



Tgt Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

155 0.0 36.6 109.9#

157 0.0 46.2 138.5#

