

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091322\
 Data File : VN074437.D
 Acq On : 13 Sep 2022 16:51
 Operator : JC\MD
 Sample : N4492-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-09-1.5-11.5-083122

Quant Time: Sep 14 08:02:42 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)

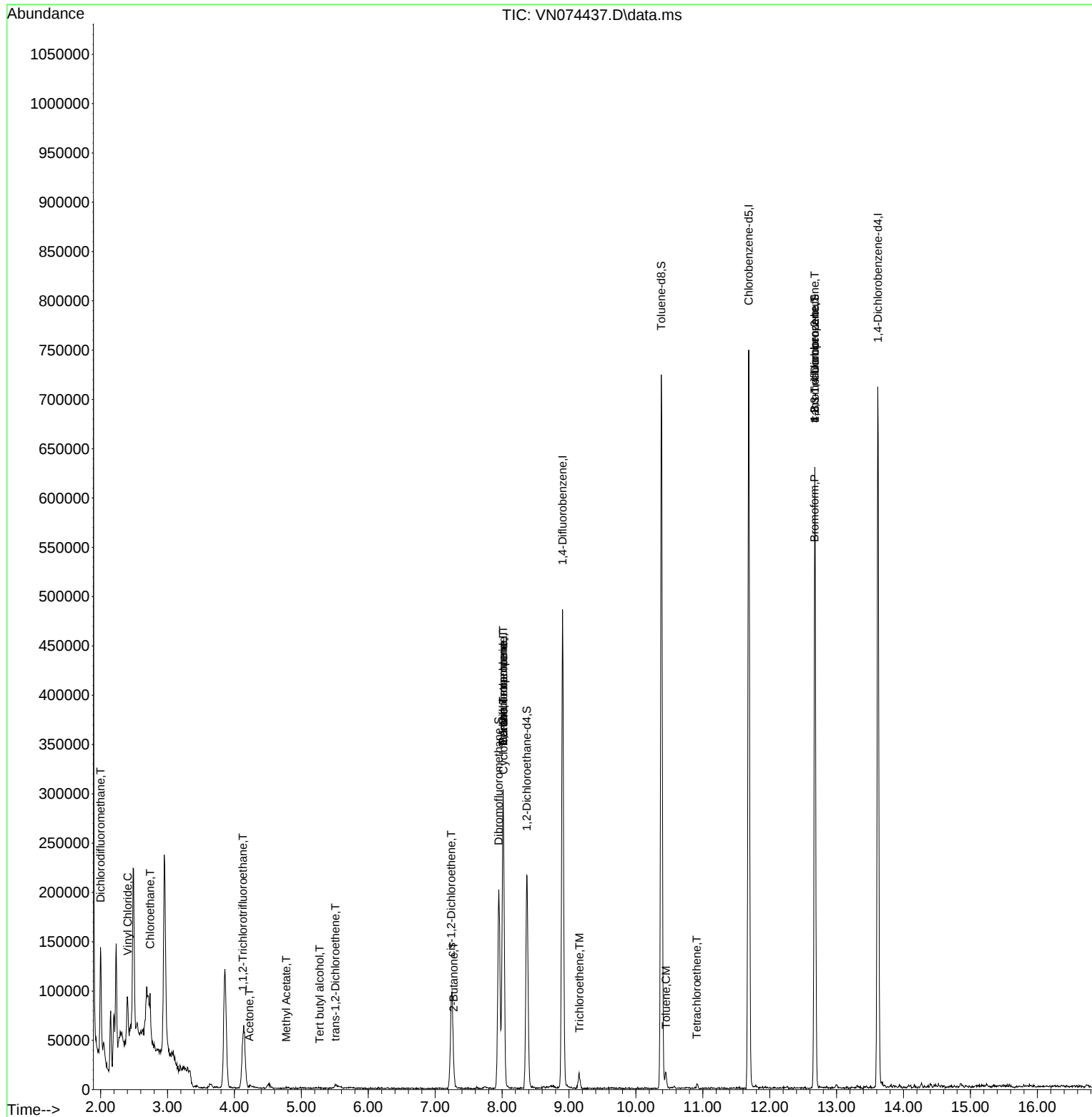
Internal Standards						
1) Pentafluorobenzene	8.016	168	195738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	371837	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	368013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	159599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	174916	51.650	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.300%
35) Dibromofluoromethane	7.951	113	132776	52.893	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.780%
50) Toluene-d8	10.380	98	457523	46.776	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.560%
62) 4-Bromofluorobenzene	12.674	95	179482	50.541	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.080%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.999	85	11678	4.604	ug/l	91
3) Chloromethane	2.228	50	1637	Below Cal	#	45
4) Vinyl Chloride	2.405	62	32947	7.774	ug/l #	60
6) Chloroethane	2.740	64	21390	4.189	ug/l #	47
9) 1,1,2-Trichlorotrifluo...	4.128	101	38696	15.432	ug/l	95
11) Tert butyl alcohol	5.275	59	265	0.299	ug/l #	71
16) Acetone	4.222	43	1976	1.081	ug/l #	73
18) Methyl Acetate	4.775	43	1384	0.257	ug/l #	64
20) Methylene Chloride	5.016	84	283	Below Cal	#	41
21) trans-1,2-Dichloroethene	5.510	96	999	0.365	ug/l #	48
25) 2-Butanone	7.275	43	650	0.212	ug/l #	62
27) cis-1,2-Dichloroethene	7.239	96	53381	15.847	ug/l	88
31) Cyclohexane	8.022	56	6915	1.284	ug/l #	54
36) 1,1-Dichloropropene	8.016	75	20354	4.922	ug/l #	51
38) Carbon Tetrachloride	8.016	117	23295	5.456	ug/l #	14
44) Trichloroethene	9.157	130	4579	1.613	ug/l	88
52) Toluene	10.451	92	4621	0.590	ug/l	88
64) Tetrachloroethene	10.910	164	721	0.289	ug/l #	65
71) Bromoform	12.669	173	1258	0.485	ug/l #	29
74) N-amyl acetate	12.327	43	103	Below Cal	#	36
76) 1,2,3-Trichloropropane	12.674	75	114851	27.528	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	114851	61.359	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.610	75	56	Below Cal	#	8

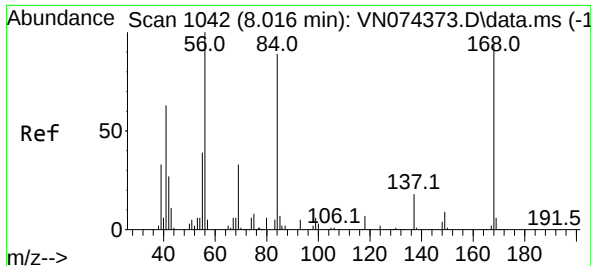
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-09-1.5-11.5-083122

Quant Time: Sep 14 08:02:42 2022
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Quant Title : SW846 8260
QLast Update : Sat Sep 10 06:10:29 2022
Response via : Initial Calibration

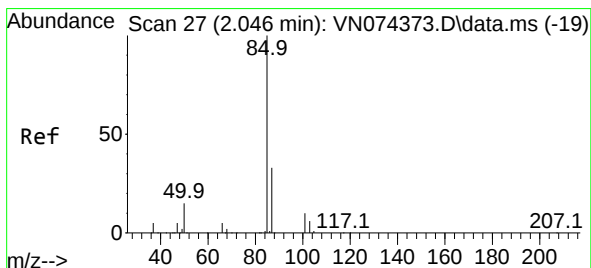
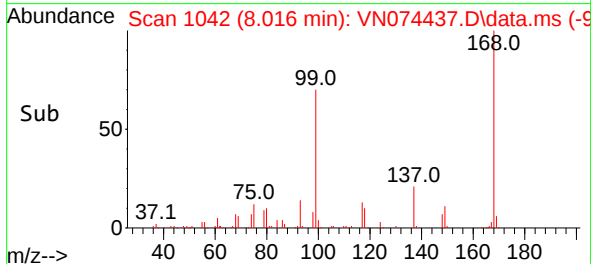
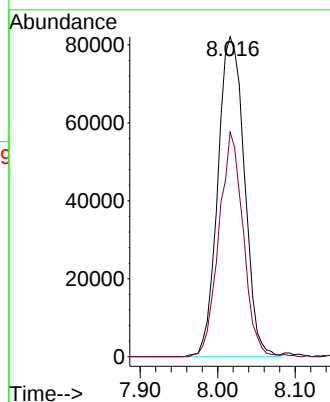
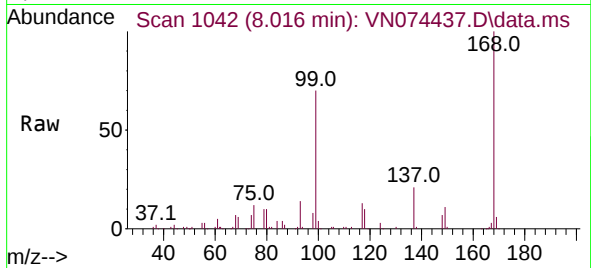




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

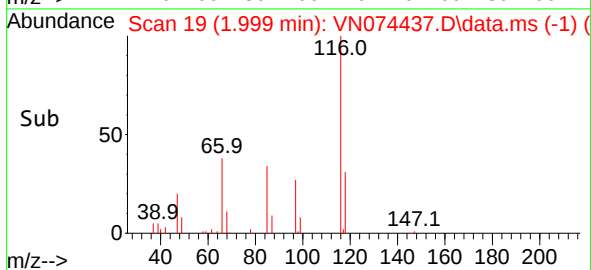
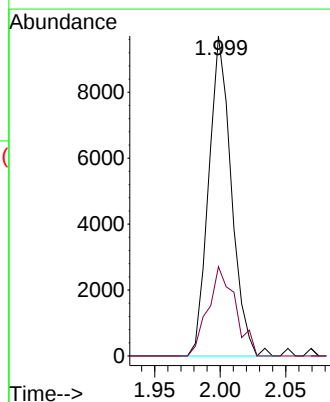
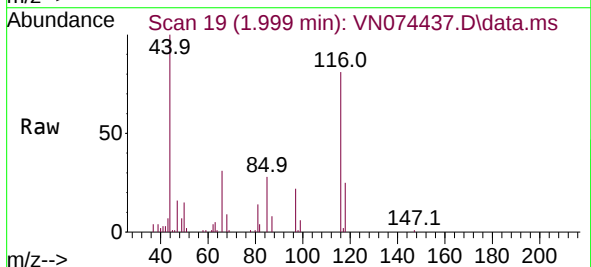
Instrument :
MSVOA_N
ClientSampleId :
MW-09-1.5-11.5-083122

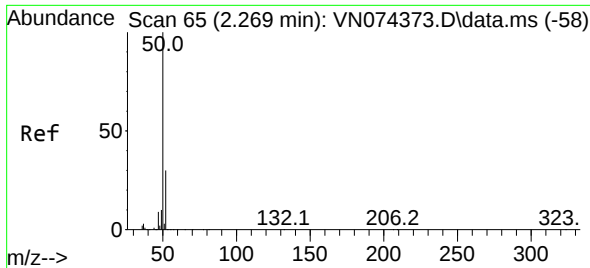
Tgt Ion:168 Resp: 195738
Ion Ratio Lower Upper
168 100
99 70.2 52.8 79.2



#2
Dichlorodifluoromethane
Concen: 4.604 ug/l
RT: 1.999 min Scan# 19
Delta R.T. -0.047 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

Tgt Ion: 85 Resp: 11678
Ion Ratio Lower Upper
85 100
87 27.9 16.4 49.2

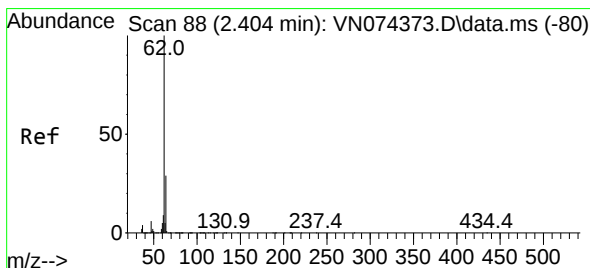
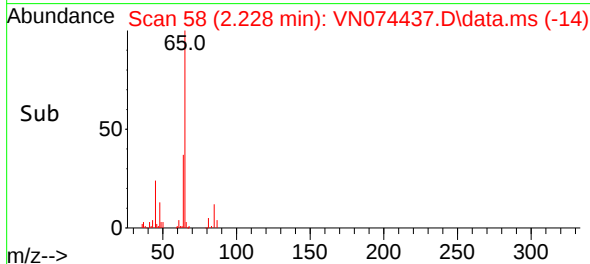
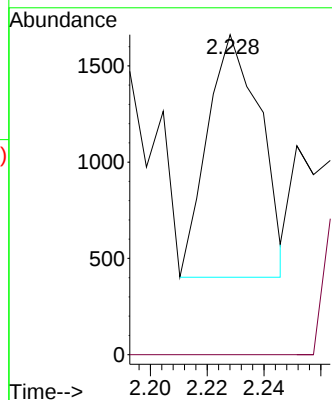
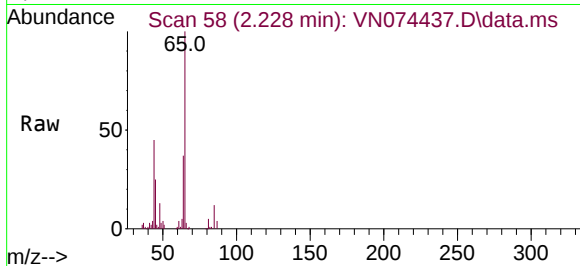




#3
Chloromethane
Concen: Below Cal
RT: 2.228 min Scan# 51
Delta R.T. -0.041 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

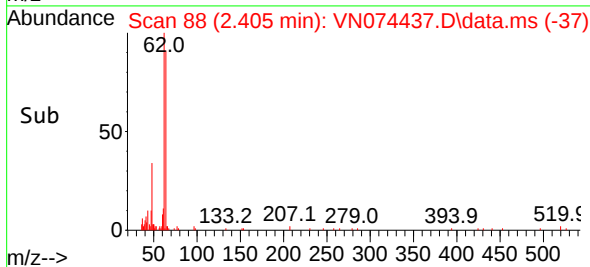
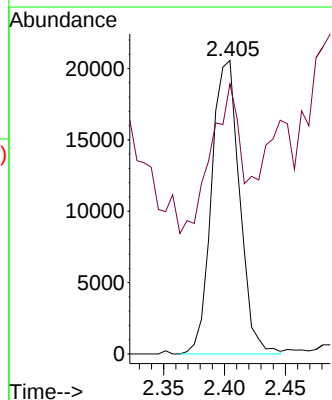
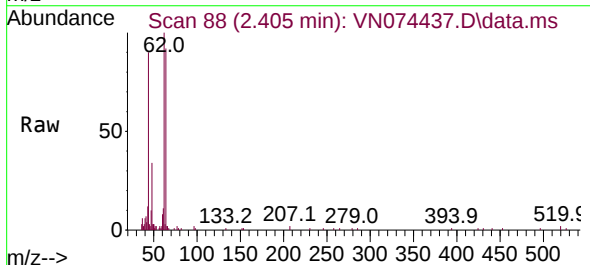
Instrument :
MSVOA_N
ClientSampleId :
MW-09-1.5-11.5-083122

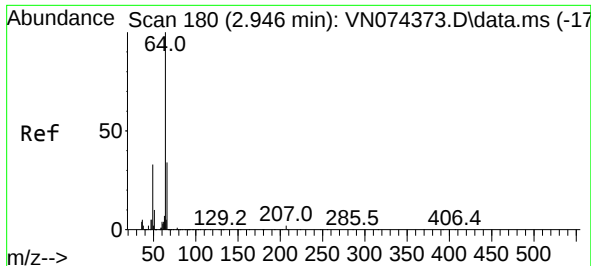
Tgt Ion: 50 Resp: 1637
Ion Ratio Lower Upper
50 100
52 0.0 24.1 36.1#



#4
Vinyl Chloride
Concen: 7.774 ug/l
RT: 2.405 min Scan# 88
Delta R.T. 0.000 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

Tgt Ion: 62 Resp: 32947
Ion Ratio Lower Upper
62 100
64 51.0 23.5 35.3#

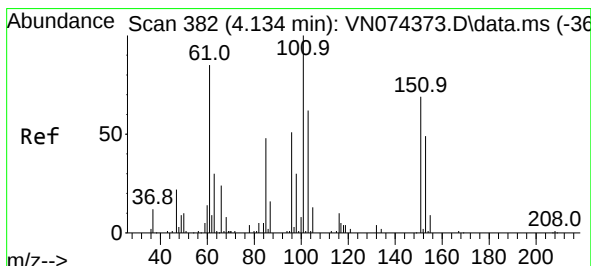
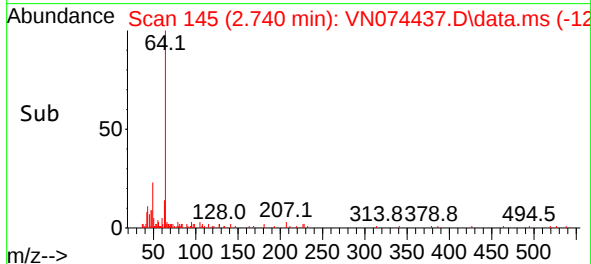
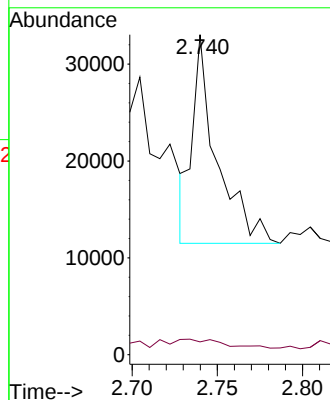
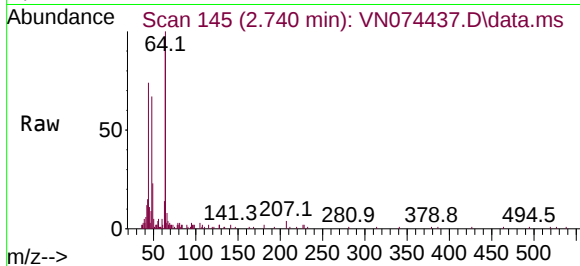




#6
Chloroethane
Concen: 4.189 ug/l
RT: 2.740 min Scan# 14
Delta R.T. -0.206 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

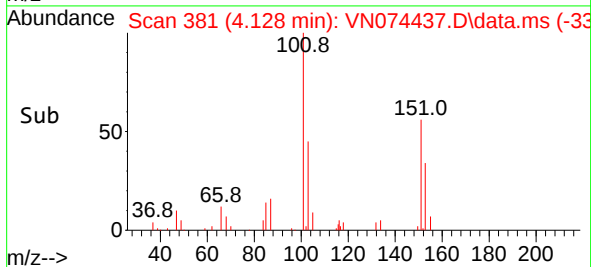
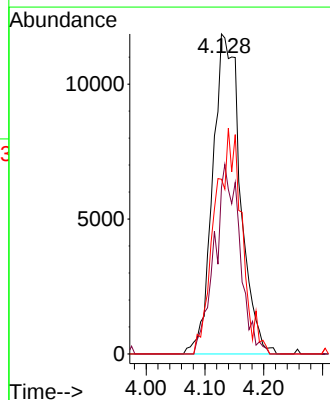
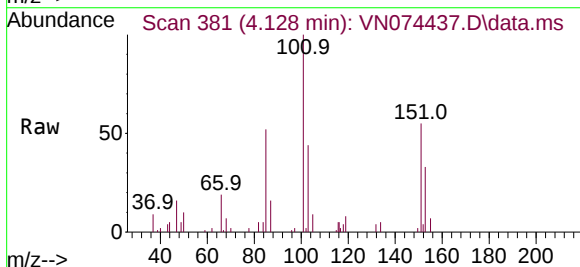
Instrument :
MSVOA_N
ClientSampleId :
MW-09-1.5-11.5-083122

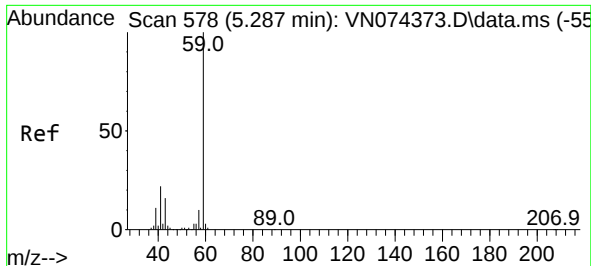
Tgt Ion: 64 Resp: 21390
Ion Ratio Lower Upper
64 100
66 3.0 26.5 39.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.432 ug/l
RT: 4.128 min Scan# 381
Delta R.T. -0.006 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

Tgt Ion: 101 Resp: 38696
Ion Ratio Lower Upper
101 100
85 54.4 39.5 59.3
151 68.8 57.8 86.6

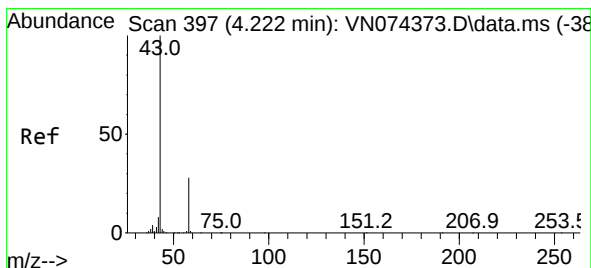
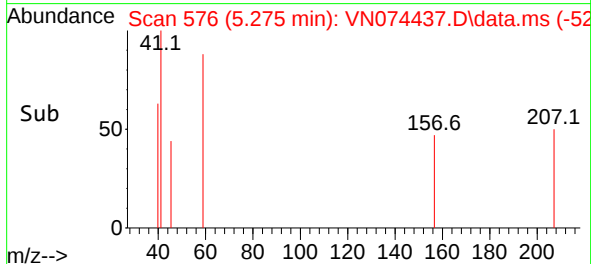
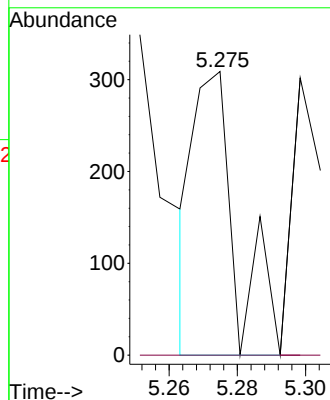
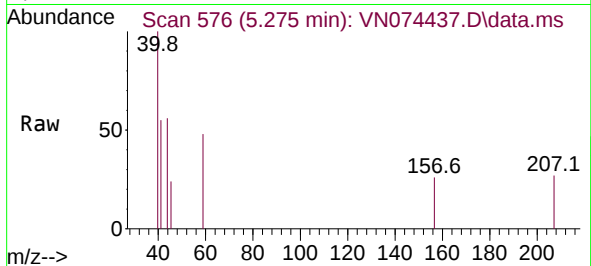




#11
Tert butyl alcohol
Concen: 0.299 ug/l
RT: 5.275 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

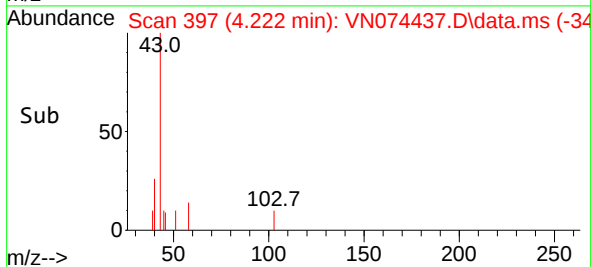
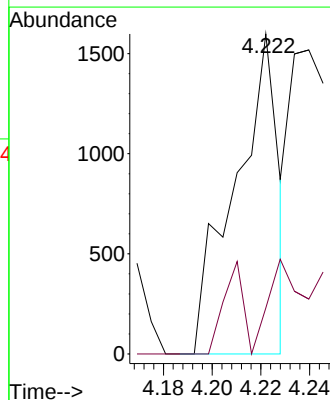
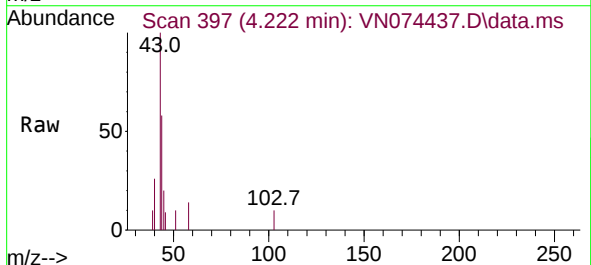
Instrument :
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ClientSampleId :
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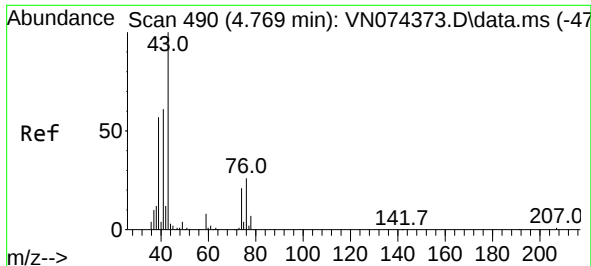
Tgt Ion: 59 Resp: 265
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 1.081 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

Tgt Ion: 43 Resp: 1976
Ion Ratio Lower Upper
43 100
58 14.3 22.7 34.1#





#18

Methyl Acetate

Concen: 0.257 ug/l

RT: 4.775 min Scan# 491

Delta R.T. 0.006 min

Lab File: VN074437.D

Acq: 13 Sep 2022 16:51

Instrument :

MSVOA_N

ClientSampleId :

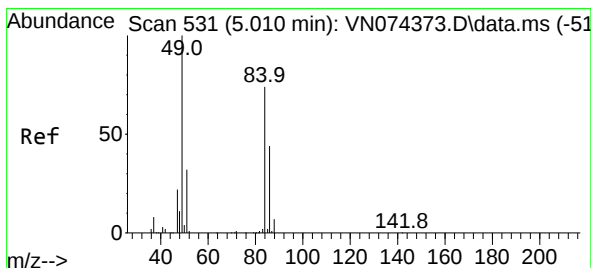
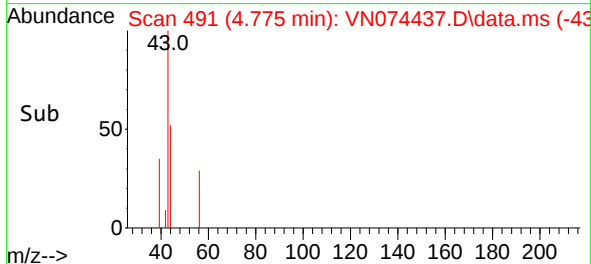
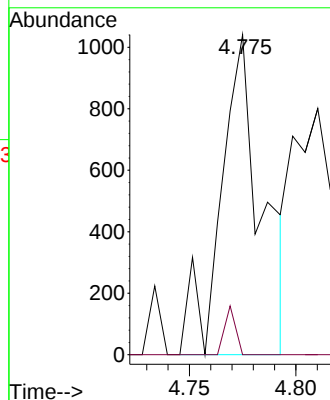
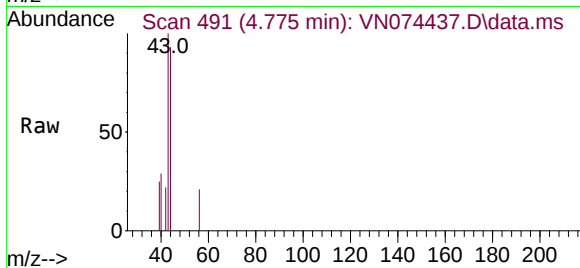
MW-09-1.5-11.5-083122

Tgt Ion: 43 Resp: 1384

Ion Ratio Lower Upper

43 100

74 4.0 16.7 25.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.016 min Scan# 532

Delta R.T. 0.006 min

Lab File: VN074437.D

Acq: 13 Sep 2022 16:51

Tgt Ion: 84 Resp: 283

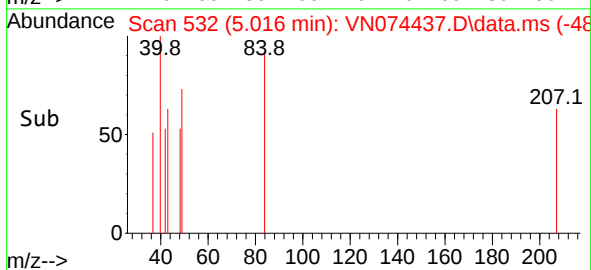
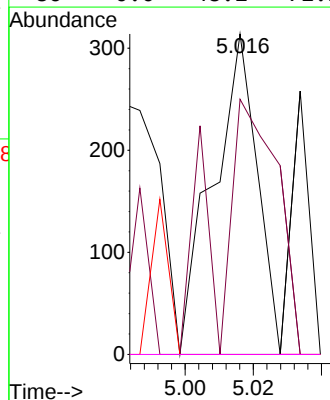
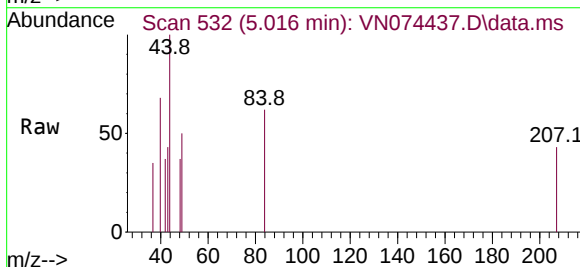
Ion Ratio Lower Upper

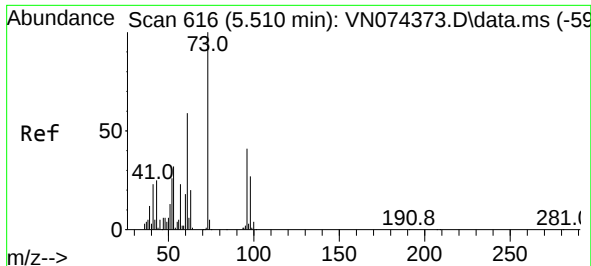
84 100

49 79.6 108.2 162.4#

51 0.0 34.3 51.5#

86 0.0 48.2 72.2#

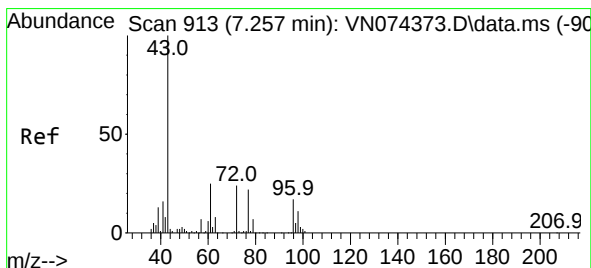
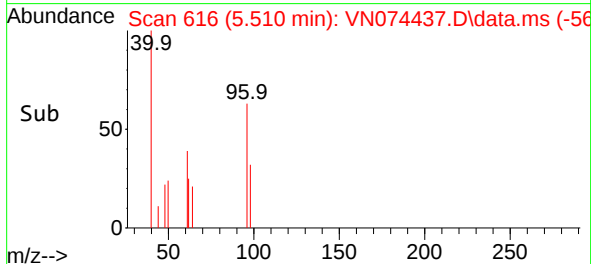
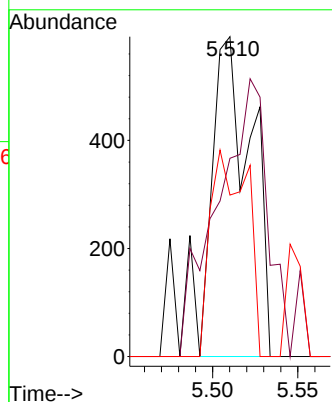
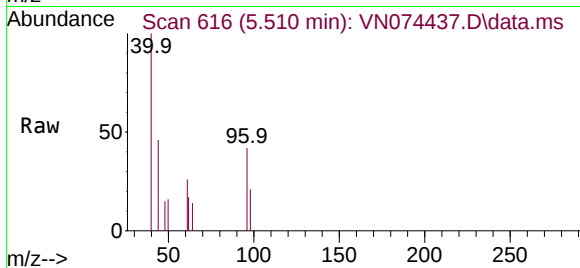




#21
trans-1,2-Dichloroethene
Concen: 0.365 ug/l
RT: 5.510 min Scan# 616
Delta R.T. 0.000 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

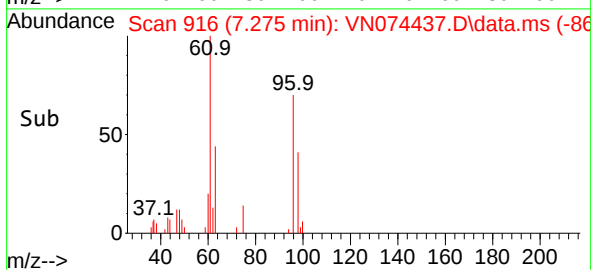
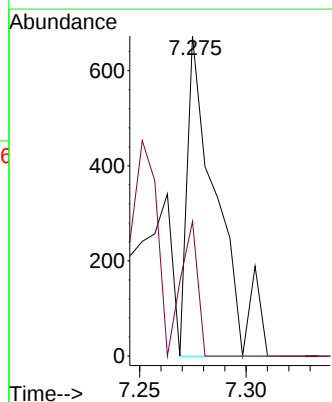
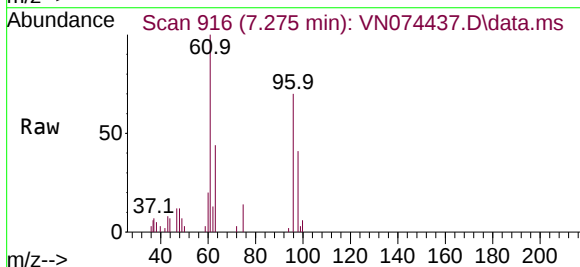
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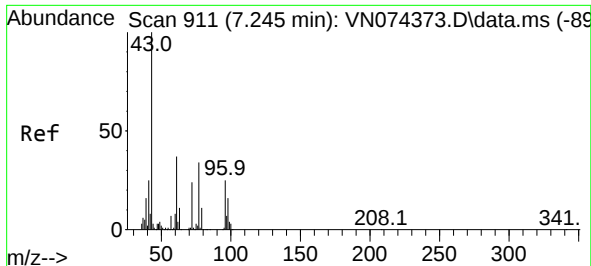
Tgt Ion: 96 Resp: 999
Ion Ratio Lower Upper
96 100
61 62.0 115.3 172.9#
98 50.5 53.4 80.0#



#25
2-Butanone
Concen: 0.212 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

Tgt Ion: 43 Resp: 650
Ion Ratio Lower Upper
43 100
72 42.1 18.9 28.3#





#27

cis-1,2-Dichloroethene

Concen: 15.847 ug/l

RT: 7.239 min Scan# 911

Delta R.T. -0.006 min

Lab File: VN074437.D

Acq: 13 Sep 2022 16:51

Instrument :

MSVOA_N

ClientSampleId :

MW-09-1.5-11.5-083122

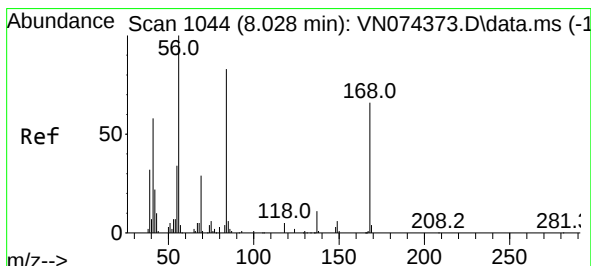
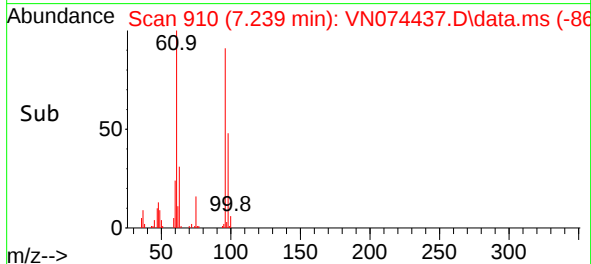
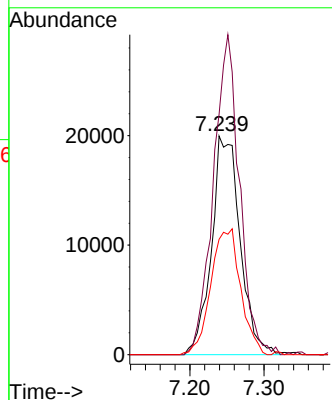
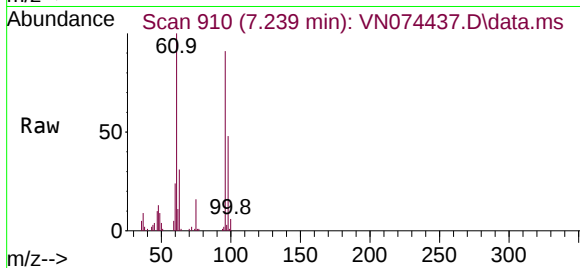
Tgt Ion: 96 Resp: 53381

Ion Ratio Lower Upper

96 100

61 134.0 0.0 306.2

98 59.9 0.0 129.8



#31

Cyclohexane

Concen: 1.284 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.006 min

Lab File: VN074437.D

Acq: 13 Sep 2022 16:51

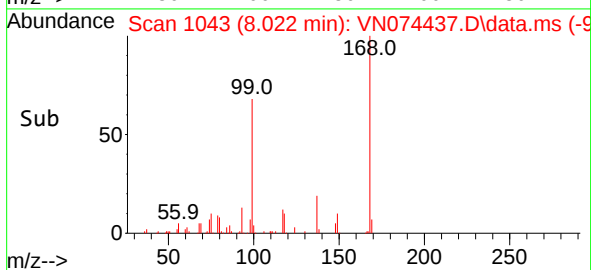
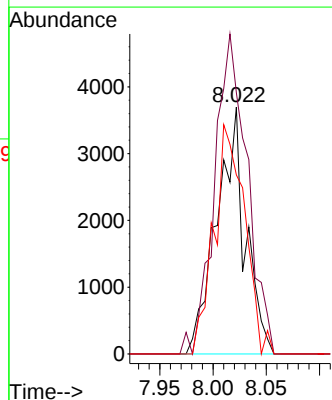
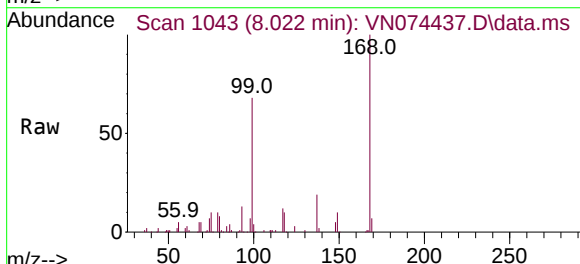
Tgt Ion: 56 Resp: 6915

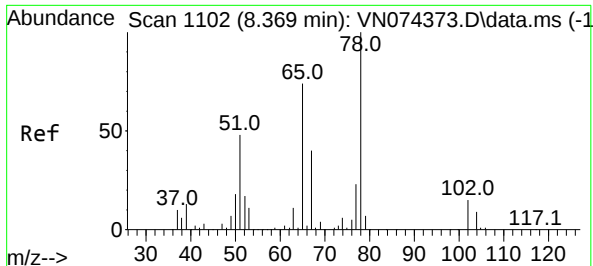
Ion Ratio Lower Upper

56 100

69 105.8 23.0 34.4#

84 72.5 66.3 99.5





#33

1,2-Dichloroethane-d4

Concen: 51.650 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074437.D

Acq: 13 Sep 2022 16:51

Instrument :

MSVOA_N

ClientSampleId :

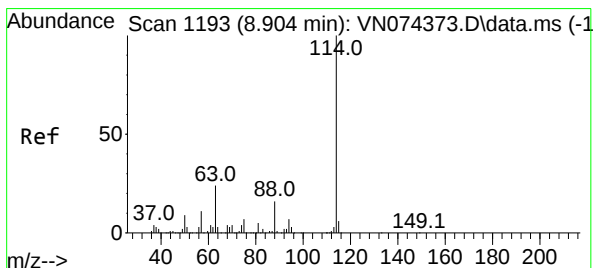
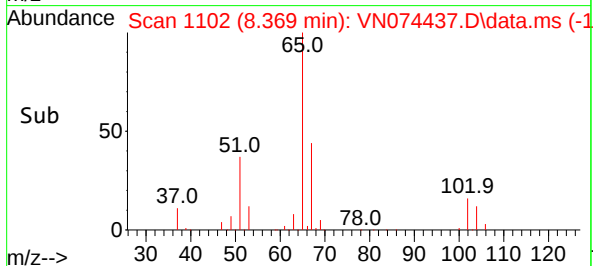
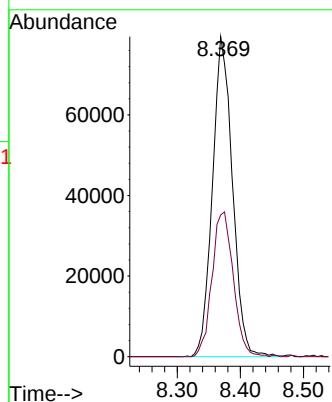
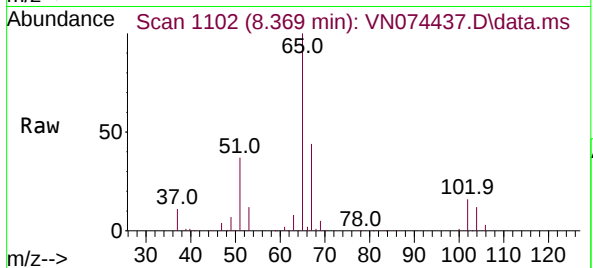
MW-09-1.5-11.5-083122

Tgt Ion: 65 Resp: 174916

Ion Ratio Lower Upper

65 100

67 48.1 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: VN074437.D

Acq: 13 Sep 2022 16:51

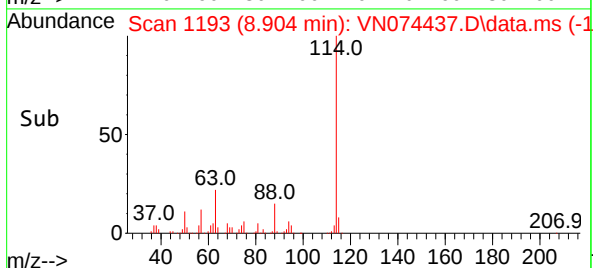
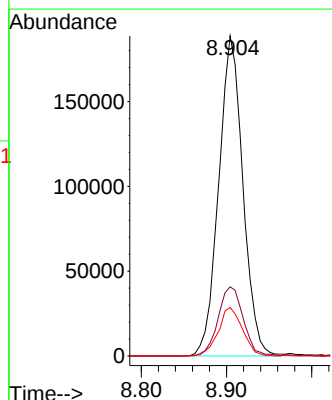
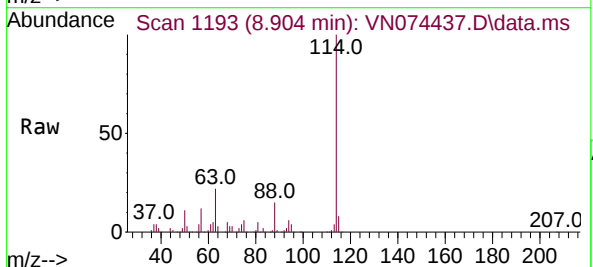
Tgt Ion: 114 Resp: 371837

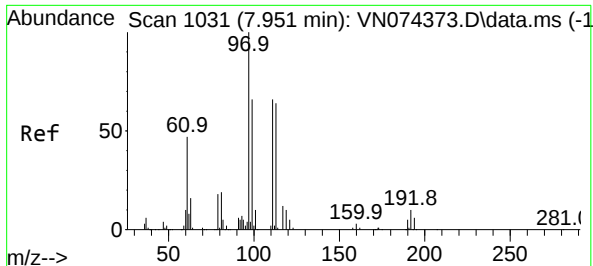
Ion Ratio Lower Upper

114 100

63 21.6 0.0 47.6

88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.893 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074437.D

Acq: 13 Sep 2022 16:51

Instrument :

MSVOA_N

ClientSampleId :

MW-09-1.5-11.5-083122

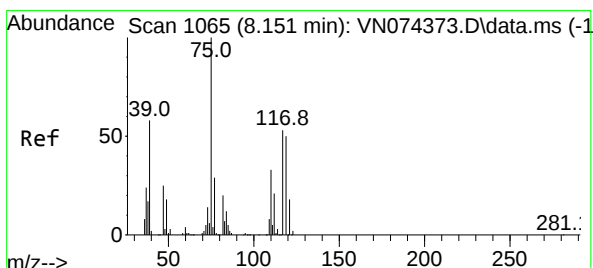
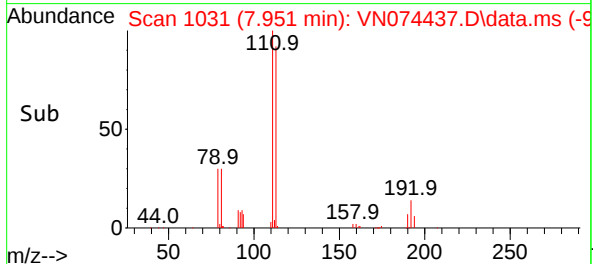
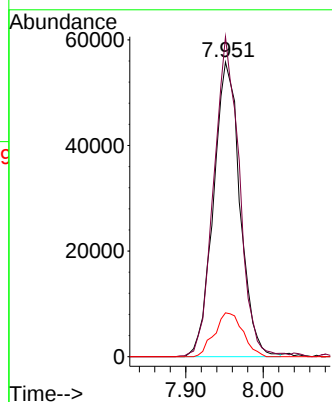
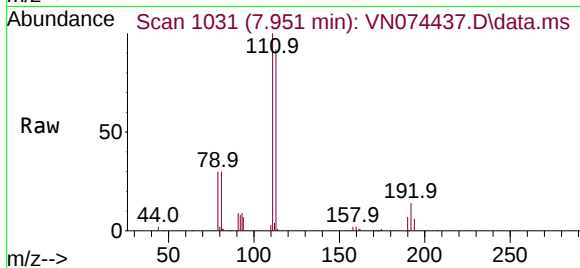
Tgt Ion:113 Resp: 132776

Ion Ratio Lower Upper

113 100

111 104.7 83.0 124.4

192 15.9 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.922 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN074437.D

Acq: 13 Sep 2022 16:51

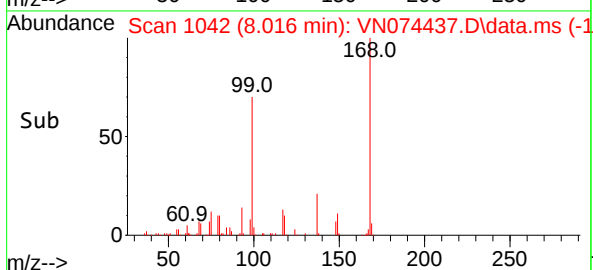
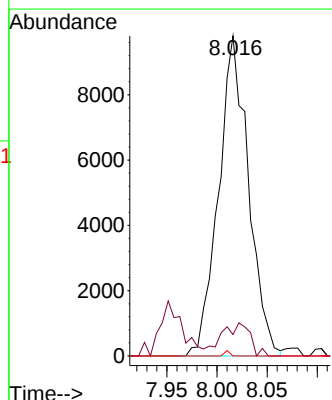
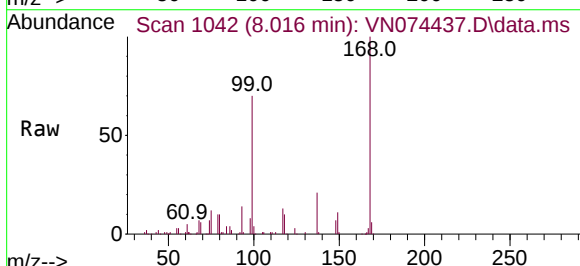
Tgt Ion: 75 Resp: 20354

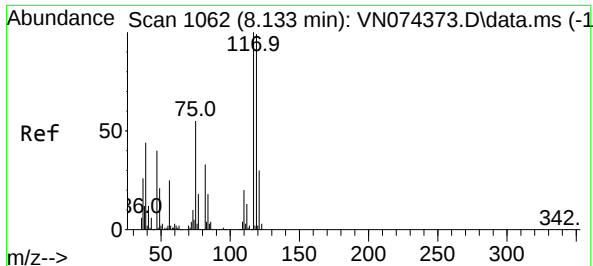
Ion Ratio Lower Upper

75 100

110 9.9 16.4 49.1#

77 0.3 25.4 38.2#

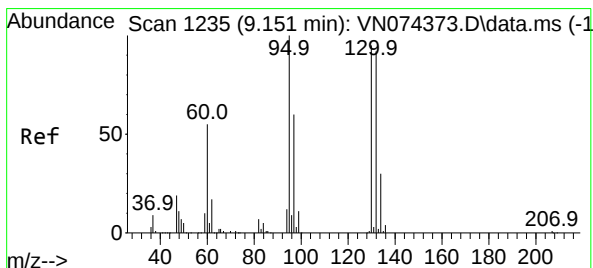
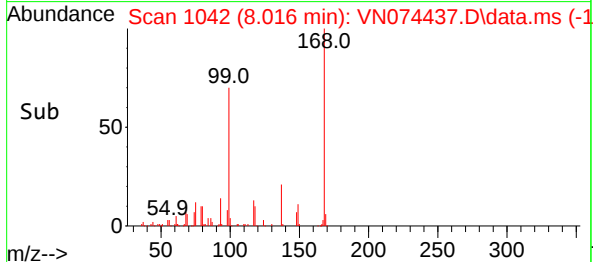
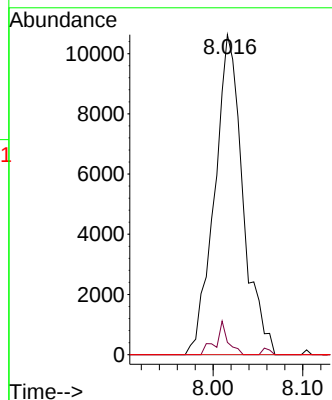
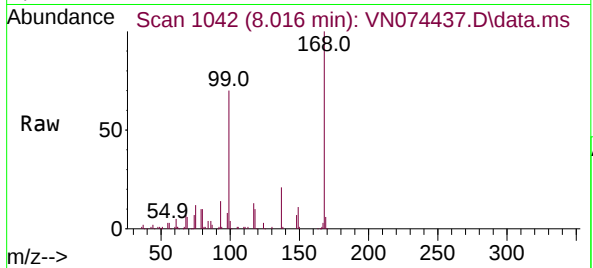




#38
Carbon Tetrachloride
Concen: 5.456 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

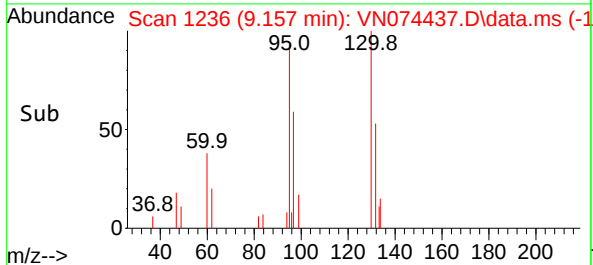
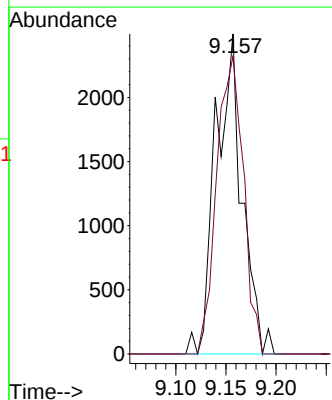
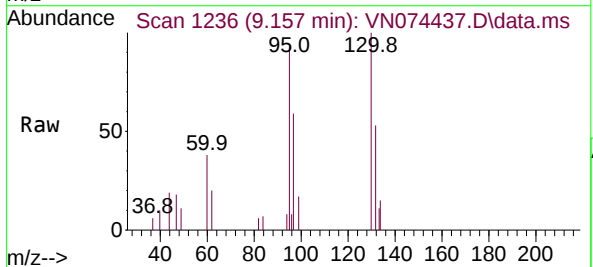
Instrument : MSVOA_N
ClientSampleId : MW-09-1.5-11.5-083122

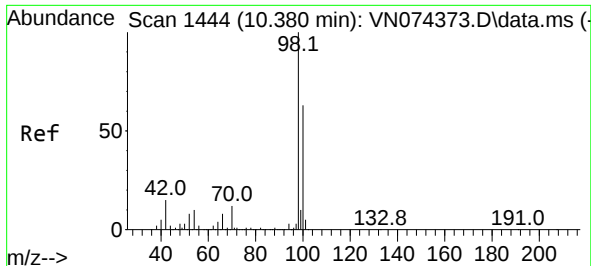
Tgt Ion:117 Resp: 23295
Ion Ratio Lower Upper
117 100
119 3.8 78.8 118.2#
121 0.0 24.1 36.1#



#44
Trichloroethene
Concen: 1.613 ug/l
RT: 9.157 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

Tgt Ion:130 Resp: 4579
Ion Ratio Lower Upper
130 100
95 93.0 0.0 210.0

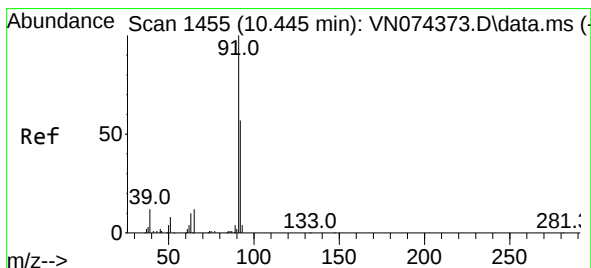
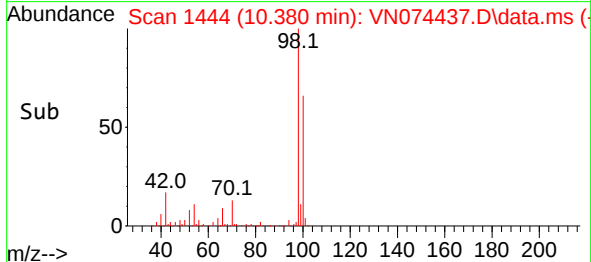
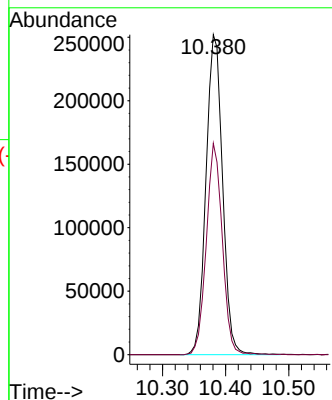
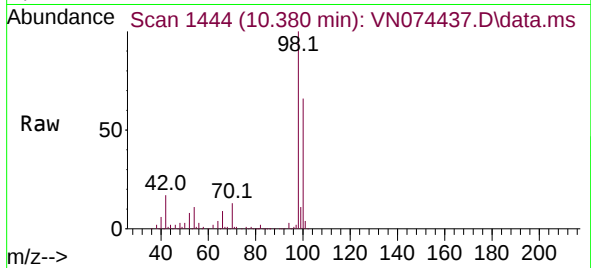




#50
Toluene-d8
Concen: 46.776 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

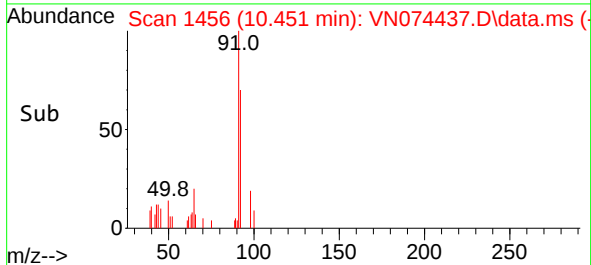
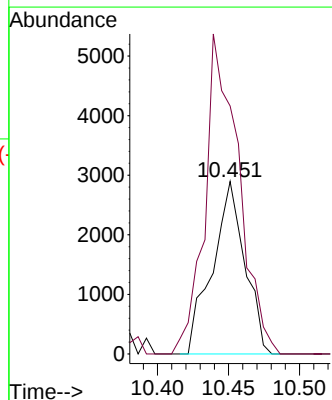
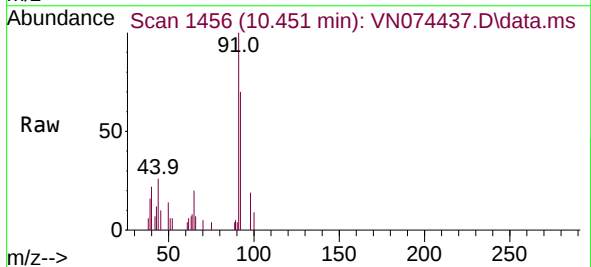
Instrument :
MSVOA_N
ClientSampleId :
MW-09-1.5-11.5-083122

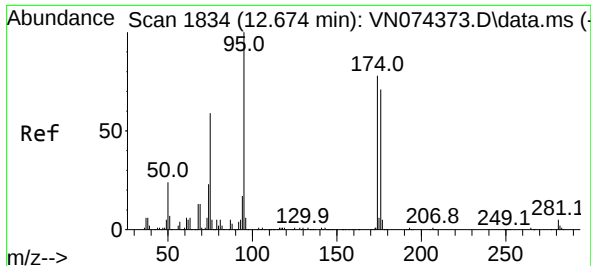
Tgt Ion: 98 Resp: 457523
Ion Ratio Lower Upper
98 100
100 64.0 50.6 76.0



#52
Toluene
Concen: 0.590 ug/l
RT: 10.451 min Scan# 1456
Delta R.T. 0.006 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

Tgt Ion: 92 Resp: 4621
Ion Ratio Lower Upper
92 100
91 191.6 139.8 209.6

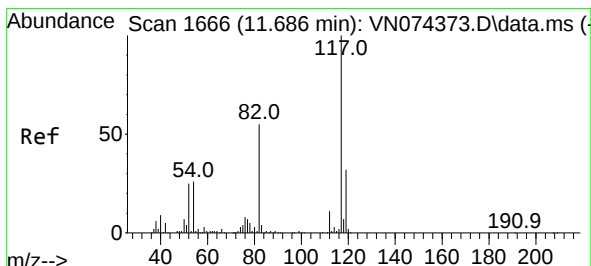
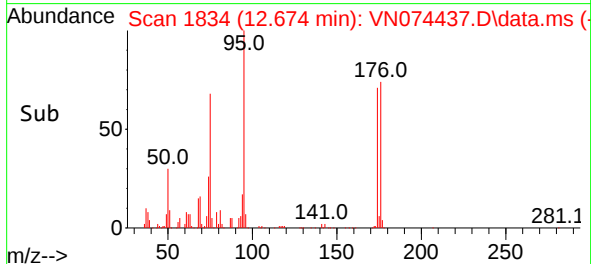
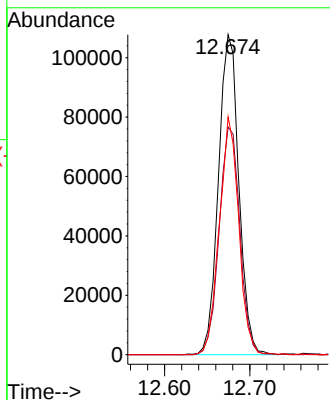
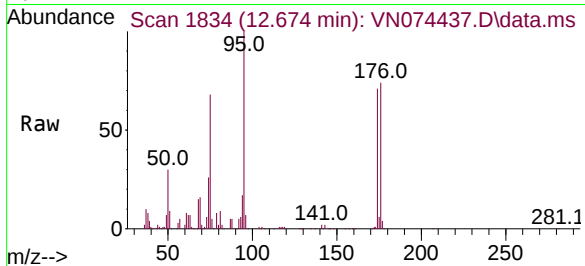




#62
4-Bromofluorobenzene
Concen: 50.541 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

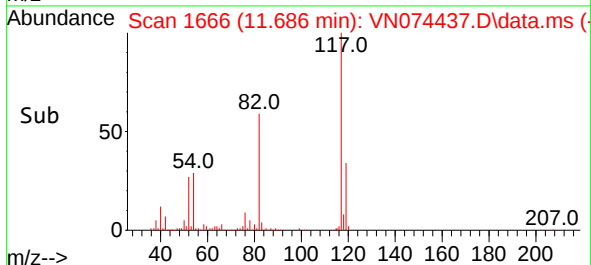
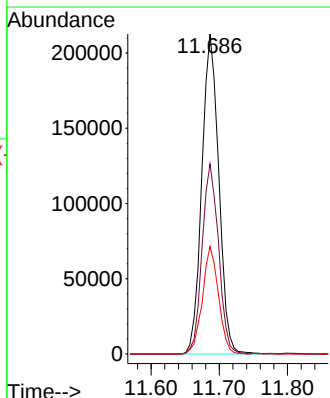
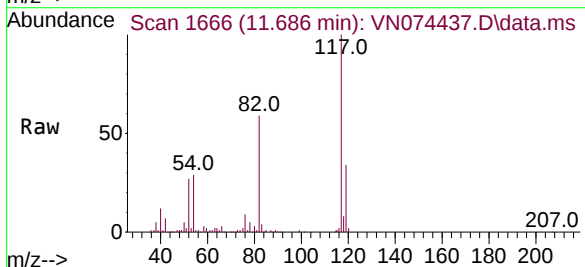
Instrument :
MSVOA_N
ClientSampleId :
MW-09-1.5-11.5-083122

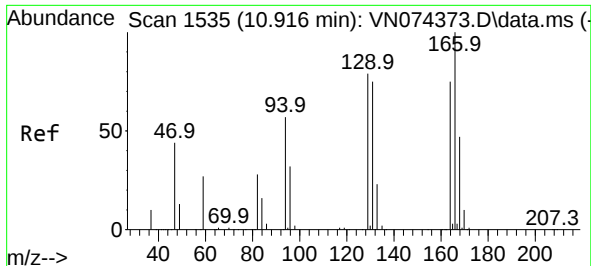
Tgt Ion: 95 Resp: 179482
Ion Ratio Lower Upper
95 100
174 72.1 0.0 150.6
176 70.8 0.0 143.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

Tgt Ion: 117 Resp: 368013
Ion Ratio Lower Upper
117 100
82 59.4 44.3 66.5
119 33.6 25.5 38.3

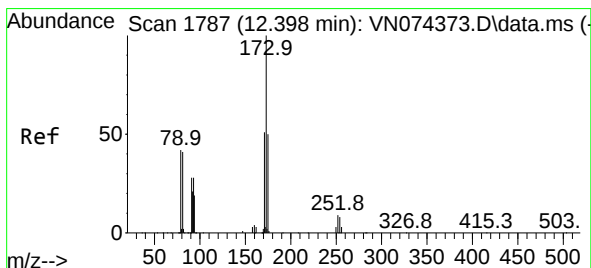
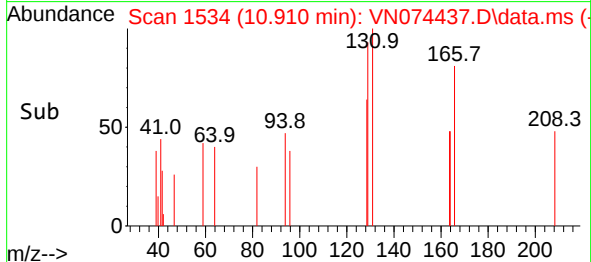
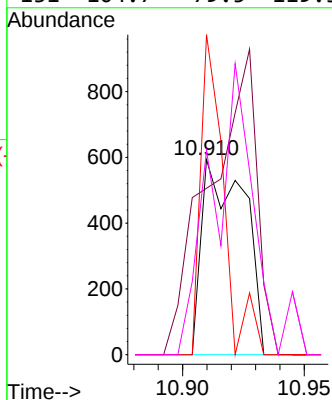
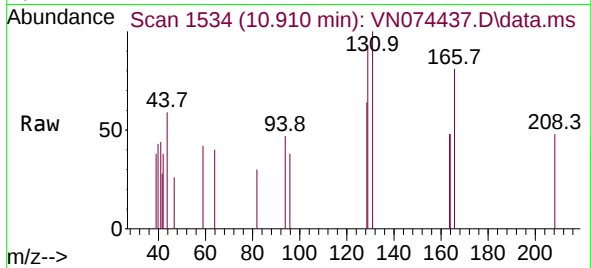




#64
Tetrachloroethene
Concen: 0.289 ug/l
RT: 10.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

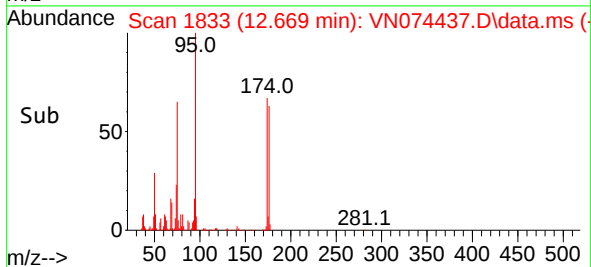
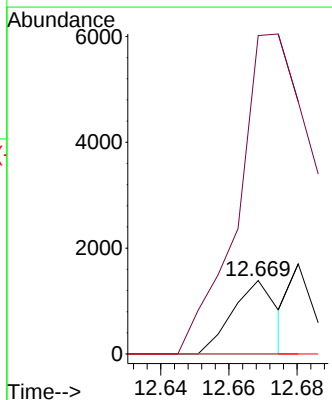
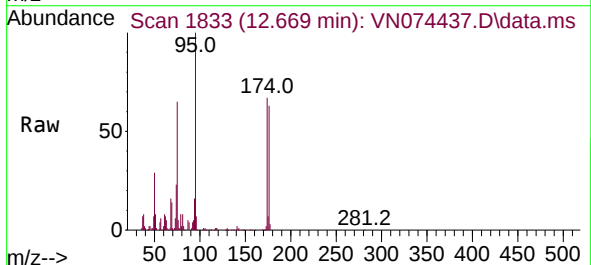
Instrument :
MSVOA_N
ClientSampleId :
MW-09-1.5-11.5-083122

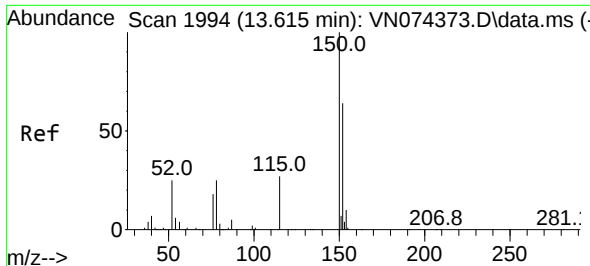
Tgt Ion:164	Resp:	721
Ion	Ratio	Lower Upper
164	100	
166	85.3	106.6 160.0#
129	164.1	84.0 126.0#
131	104.7	79.5 119.3



#71
Bromoform
Concen: 0.485 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

Tgt Ion:173	Resp:	1258
Ion	Ratio	Lower Upper
173	100	
175	0.0	24.1 72.3#
254	0.0	0.0 0.0

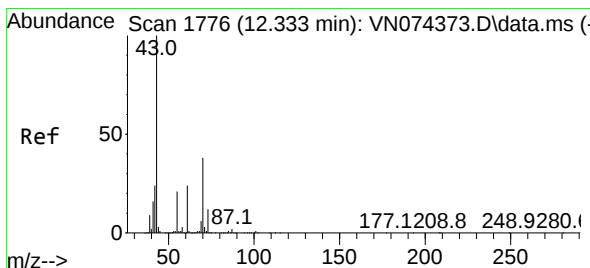
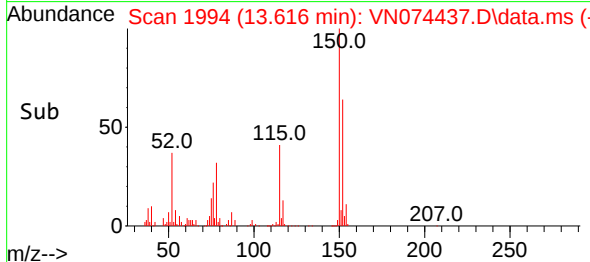
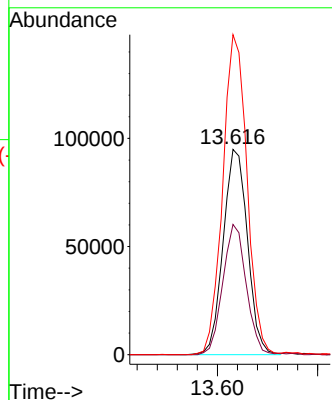
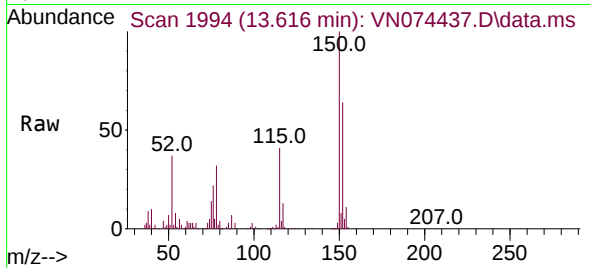




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

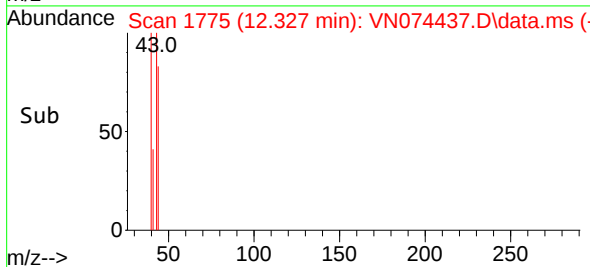
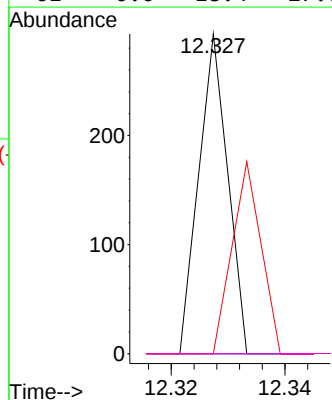
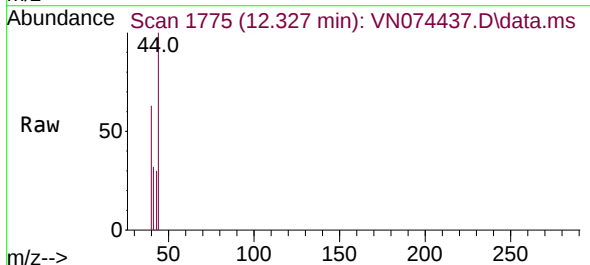
Instrument :
MSVOA_N
ClientSampleId :
MW-09-1.5-11.5-083122

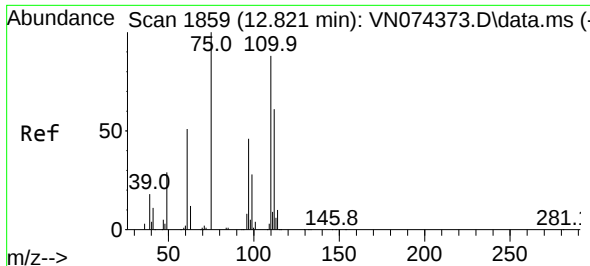
Tgt Ion:152 Resp: 159599
Ion Ratio Lower Upper
152 100
115 61.5 32.0 96.0
150 155.6 0.0 359.6



#74
N-ethyl acetate
Concen: Below Cal
RT: 12.327 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

Tgt Ion: 43 Resp: 103
Ion Ratio Lower Upper
43 100
70 0.0 31.4 47.0#
55 60.2 17.0 25.6#
61 0.0 18.4 27.6#

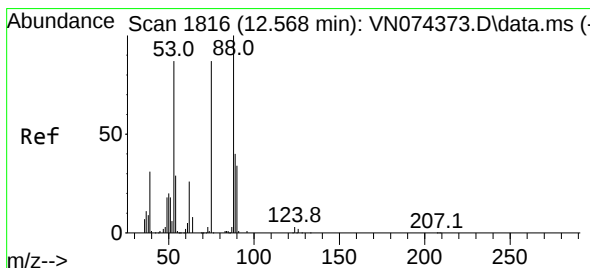
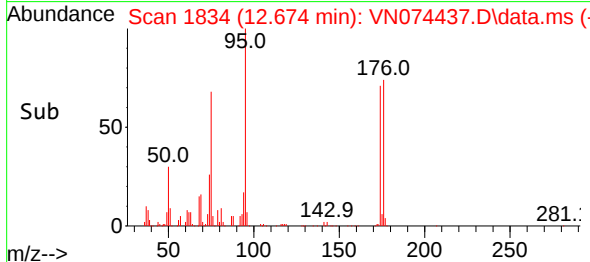
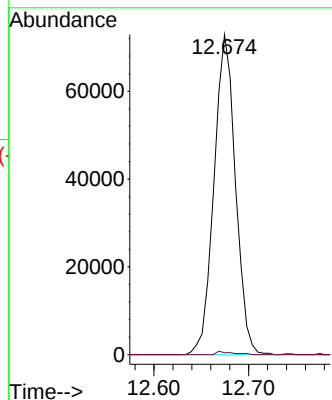
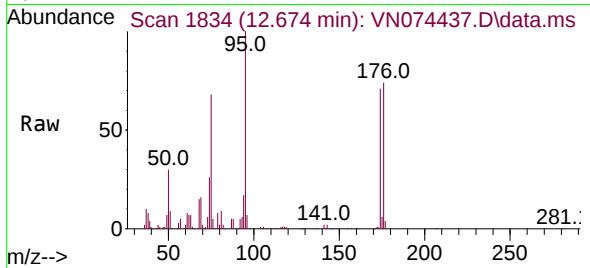




#76
1,2,3-Trichloropropane
Concen: 27.528 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

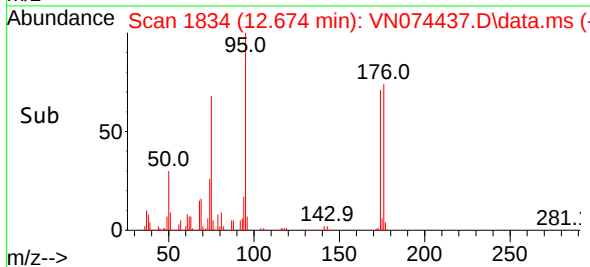
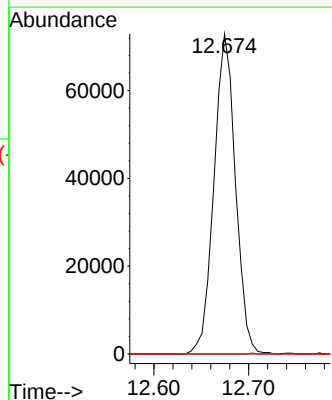
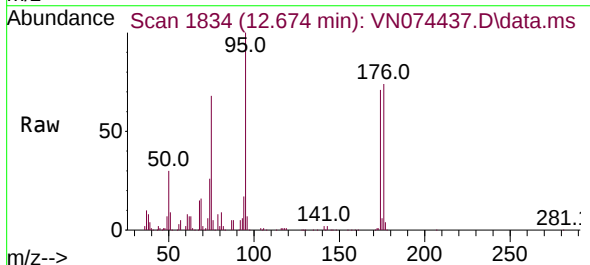
Instrument : MSVOA_N
ClientSampleId : MW-09-1.5-11.5-083122

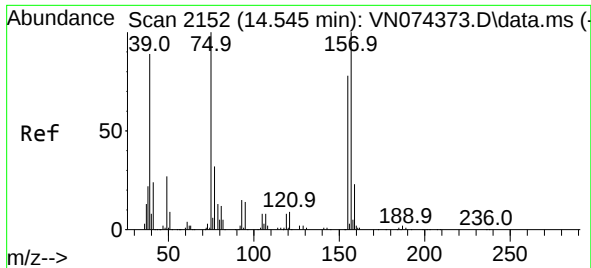
Tgt Ion: 75 Resp: 114851
Ion Ratio Lower Upper
75 100
77 0.8 78.9 236.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.359 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074437.D
Acq: 13 Sep 2022 16:51

Tgt Ion: 75 Resp: 114851
Ion Ratio Lower Upper
75 100
53 0.0 82.2 123.2#
89 0.0 37.7 56.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.610 min Scan# 21

Delta R.T. 0.065 min

Lab File: VN074437.D

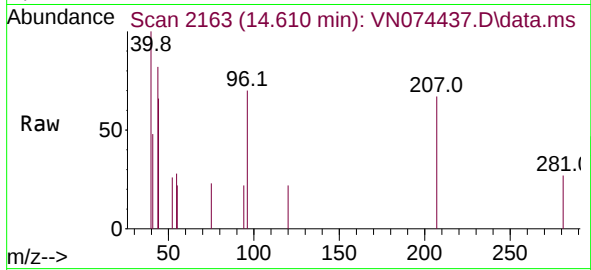
Acq: 13 Sep 2022 16:51

Instrument :

MSVOA_N

ClientSampleId :

MW-09-1.5-11.5-083122



Tgt Ion: 75 Resp: 56

Ion Ratio Lower Upper

75 100

155 0.0 36.6 109.9#

157 0.0 46.2 138.5#

