

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010423\
 Data File : VN076091.D
 Acq On : 04 Jan 2023 19:06
 Operator : JC\MD
 Sample : N6248-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-15

Quant Time: Jan 05 01:27:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

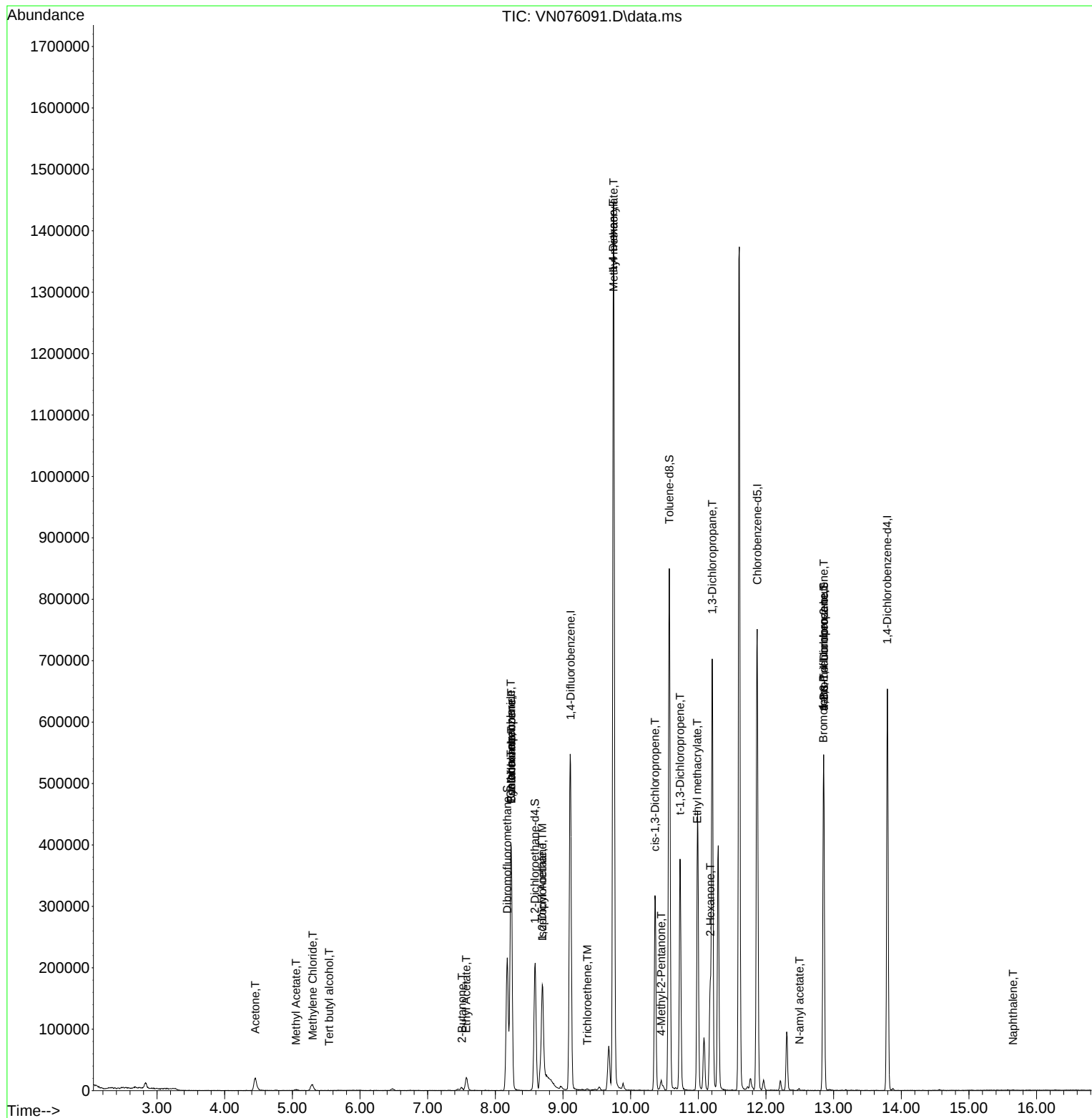
Internal Standards						
1) Pentafluorobenzene	8.236	168	316958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	512084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	454138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	166556	48.302	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.600%		
35) Dibromofluoromethane	8.177	113	151199	47.678	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.360%		
50) Toluene-d8	10.571	98	597824	50.420	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.840%		
62) 4-Bromofluorobenzene	12.853	95	179284	45.652	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.300%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.542	59	189	0.387	ug/l #	72
16) Acetone	4.454	43	38201	32.138	ug/l	96
18) Methyl Acetate	5.053	43	3061	0.871	ug/l #	66
20) Methylene Chloride	5.301	84	8329	2.005	ug/l	90
25) 2-Butanone	7.506	43	6204	3.728	ug/l #	86
31) Cyclohexane	8.236	56	5640	1.142	ug/l #	22
36) 1,1-Dichloropropene	8.236	75	22970	5.453	ug/l #	50
37) Ethyl Acetate	7.571	43	31765	9.387	ug/l	98
38) Carbon Tetrachloride	8.230	117	30296	6.426	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	1184	0.274	ug/l #	72
43) Isopropyl Acetate	8.694	43	228441	40.925	ug/l #	77
44) Trichloroethene	9.359	130	822	0.224	ug/l	90
48) Methyl methacrylate	9.747	41	123638	49.179	ug/l #	33
49) 1,4-Dioxane	9.741	88	300	4.854	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	9881	2.927	ug/l	92
53) t-1,3-Dichloropropene	10.730	75	1118	0.248	ug/l #	73
54) cis-1,3-Dichloropropene	10.359	75	61047	12.347	ug/l #	65
56) Ethyl methacrylate	10.983	69	1917	0.434	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7557	1.387	ug/l #	42
59) 2-Hexanone	11.177	43	132497	53.822	ug/l #	20
71) Bromoform	12.847	173	924	0.368	ug/l #	1
74) N-amyl acetate	12.494	43	1367	0.356	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	93159	25.497	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	93159	91.776	ug/l #	12
95) Naphthalene	15.653	128	649	2.240	ug/l #	69

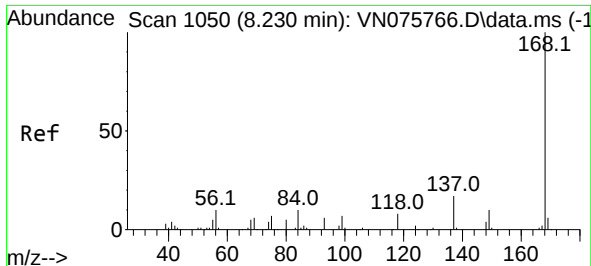
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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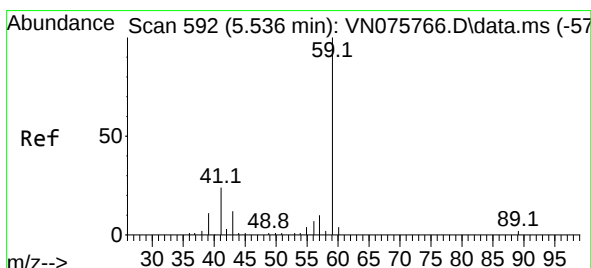
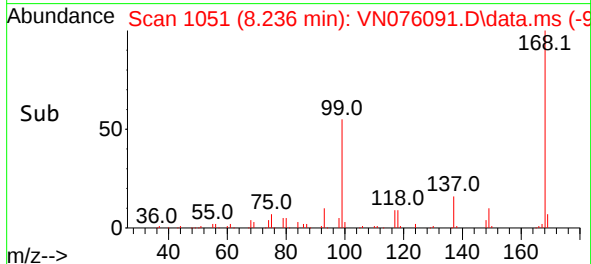
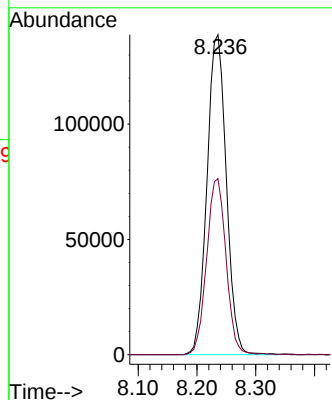
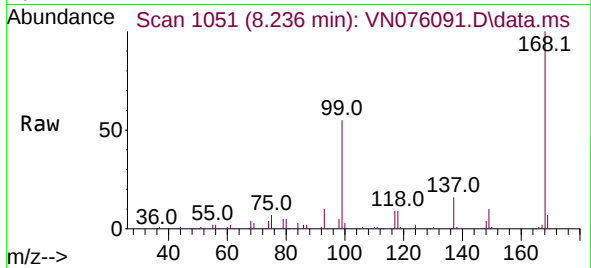




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VN076091.D
Acq: 04 Jan 2023 19:06

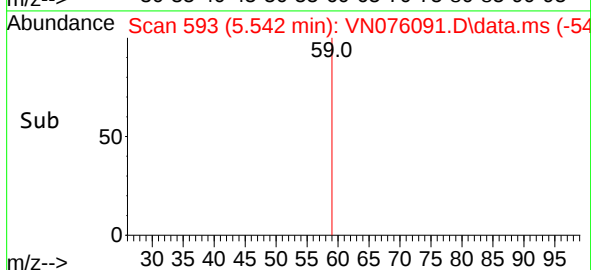
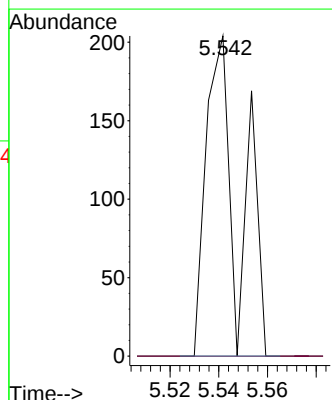
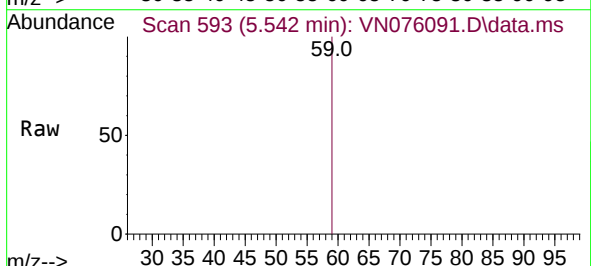
Instrument :
MSVOA_N
ClientSampleId :
TP-15

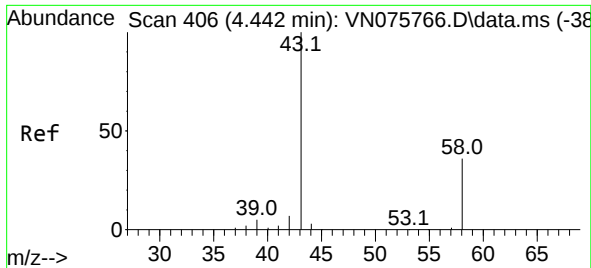
Tgt Ion:168 Resp: 316958
Ion Ratio Lower Upper
168 100
99 55.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.387 ug/l
RT: 5.542 min Scan# 593
Delta R.T. 0.006 min
Lab File: VN076091.D
Acq: 04 Jan 2023 19:06

Tgt Ion: 59 Resp: 189
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 32.138 ug/l

RT: 4.454 min Scan# 406

Delta R.T. 0.012 min

Lab File: VN076091.D

Acq: 04 Jan 2023 19:06

Instrument :

MSVOA_N

ClientSampleId :

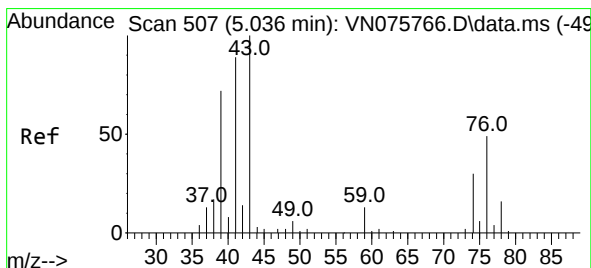
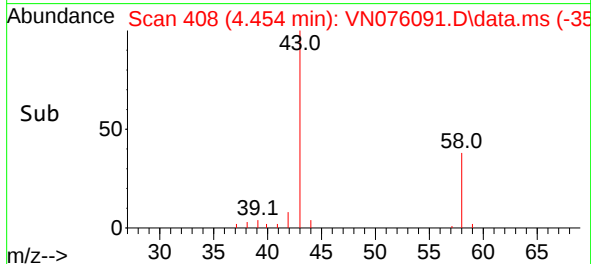
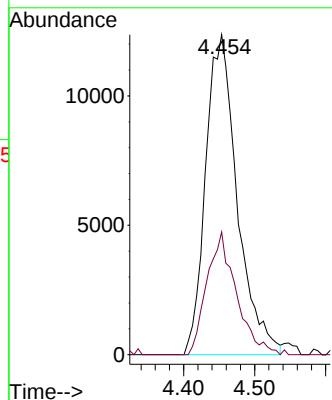
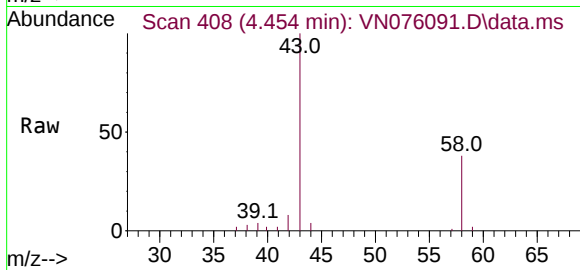
TP-15

Tgt Ion: 43 Resp: 38201

Ion Ratio Lower Upper

43 100

58 38.4 28.6 43.0



#18

Methyl Acetate

Concen: 0.871 ug/l

RT: 5.053 min Scan# 510

Delta R.T. 0.018 min

Lab File: VN076091.D

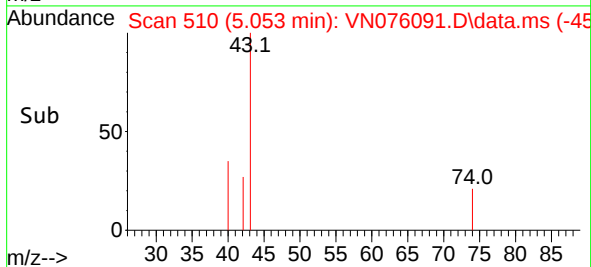
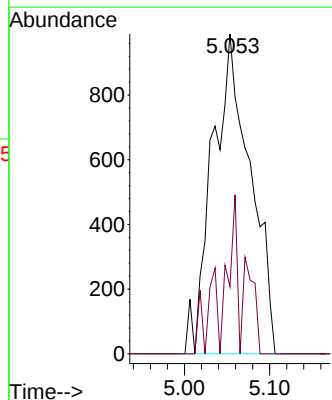
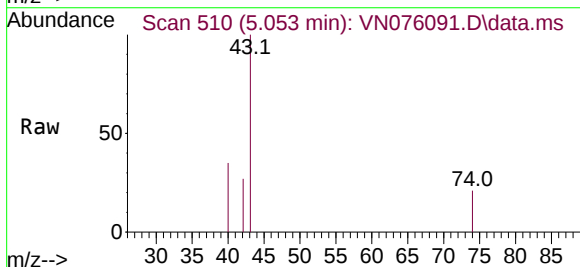
Acq: 04 Jan 2023 19:06

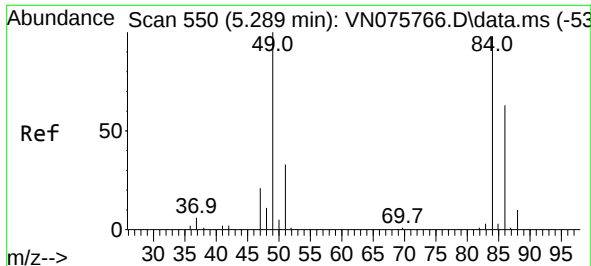
Tgt Ion: 43 Resp: 3061

Ion Ratio Lower Upper

43 100

74 11.2 23.6 35.4#



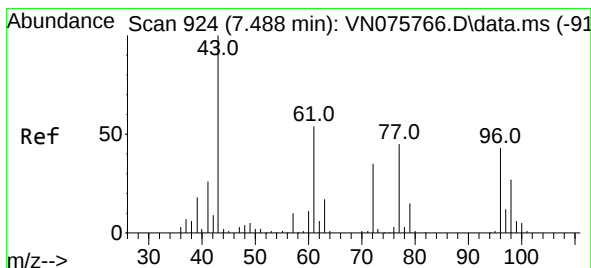
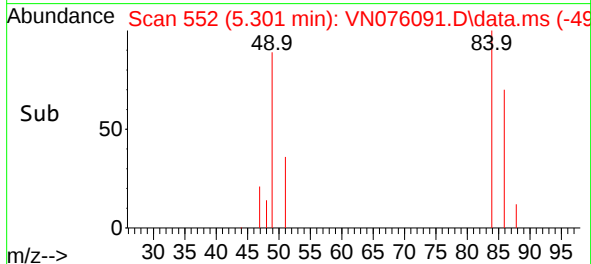
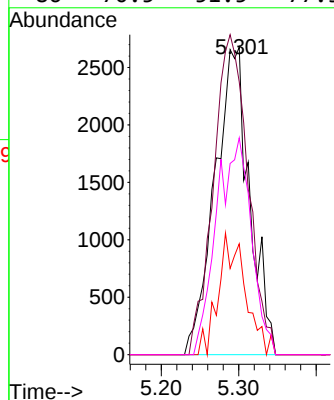
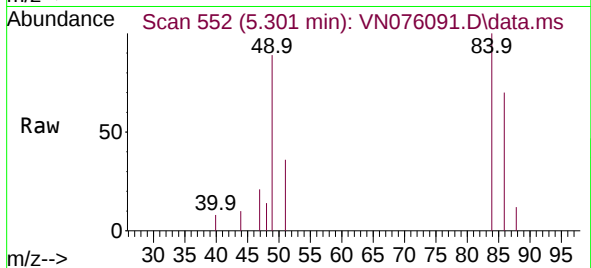


#20
Methylene Chloride
Concen: 2.005 ug/l
RT: 5.301 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN076091.D
Acq: 04 Jan 2023 19:06

Instrument :
MSVOA_N
ClientSampleId :
TP-15

Tgt Ion: 84 Resp: 8329

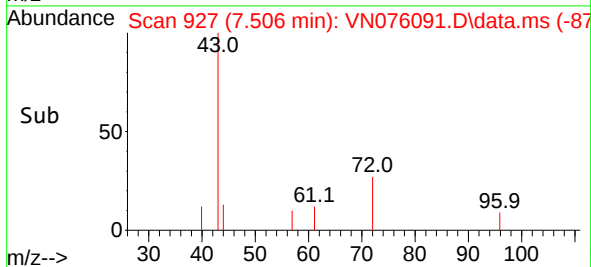
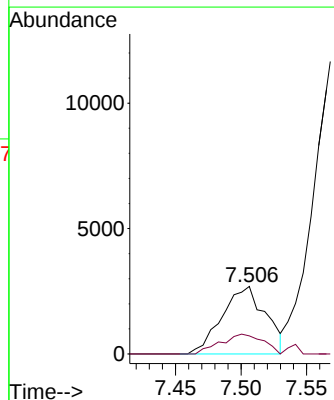
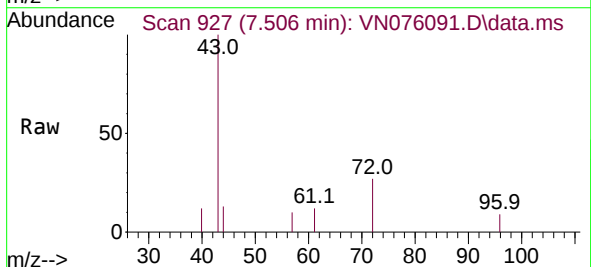
Ion	Ratio	Lower	Upper
84	100		
49	88.7	81.8	122.6
51	36.0	26.7	40.1
86	70.5	51.5	77.3

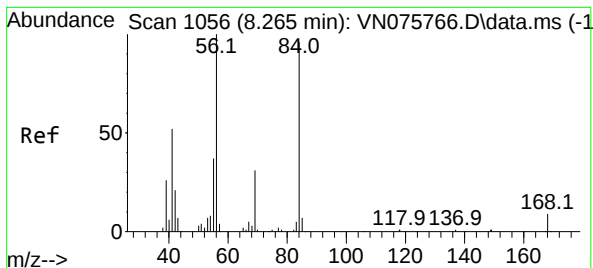


#25
2-Butanone
Concen: 3.728 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN076091.D
Acq: 04 Jan 2023 19:06

Tgt Ion: 43 Resp: 6204

Ion	Ratio	Lower	Upper
43	100		
72	26.9	28.0	42.0#





#31

Cyclohexane

Concen: 1.142 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.029 min

Lab File: VN076091.D

Acq: 04 Jan 2023 19:06

Instrument :

MSVOA_N

ClientSampleId :

TP-15

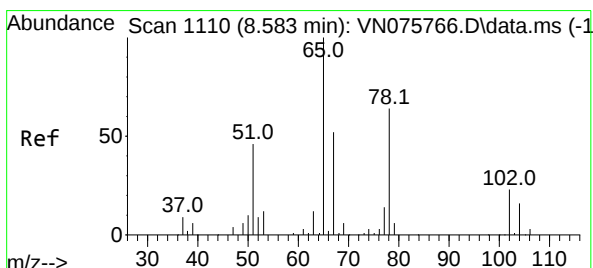
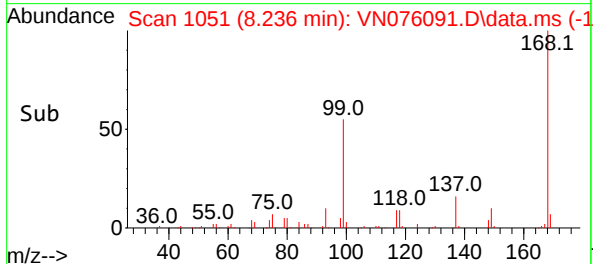
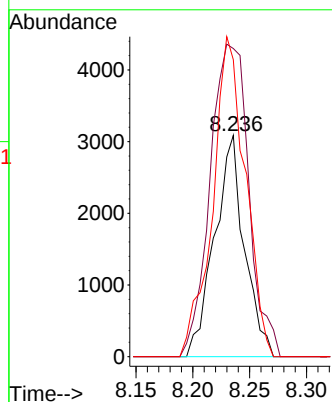
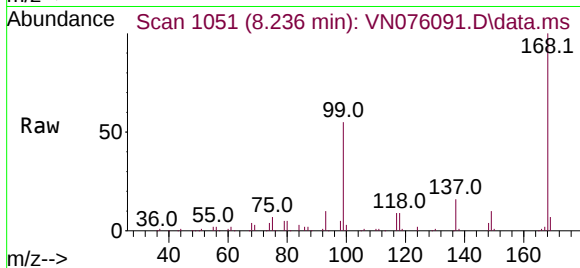
Tgt Ion: 56 Resp: 5640

Ion Ratio Lower Upper

56 100

69 139.3 24.7 37.1#

84 134.2 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 48.302 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076091.D

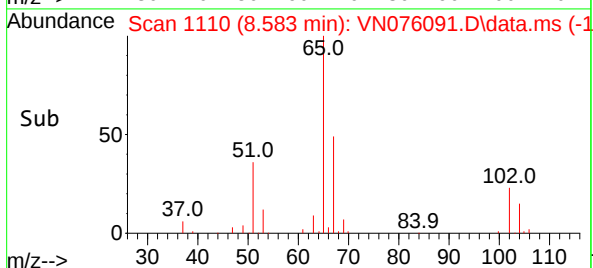
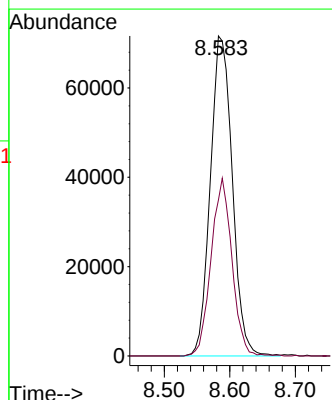
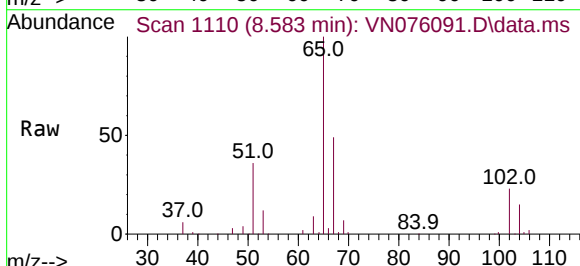
Acq: 04 Jan 2023 19:06

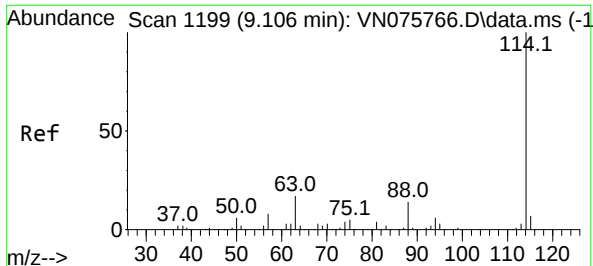
Tgt Ion: 65 Resp: 166556

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1199

Delta R.T. 0.006 min

Lab File: VN076091.D

Acq: 04 Jan 2023 19:06

Instrument :

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ClientSampleId :

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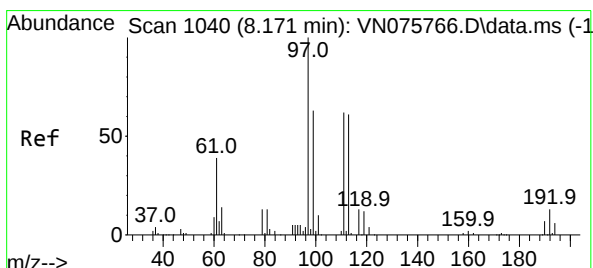
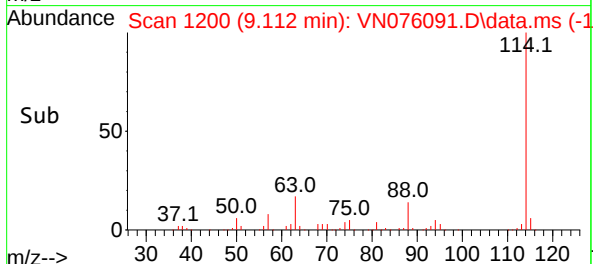
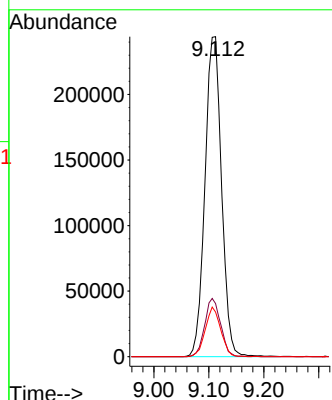
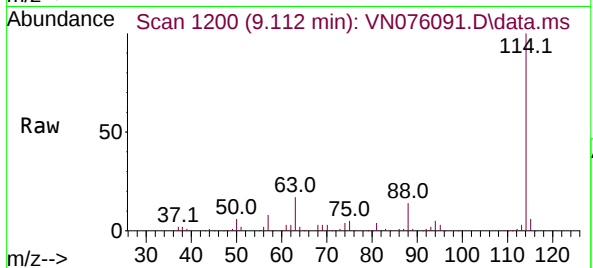
Tgt Ion:114 Resp: 512084

Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.4

88 14.0 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.678 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076091.D

Acq: 04 Jan 2023 19:06

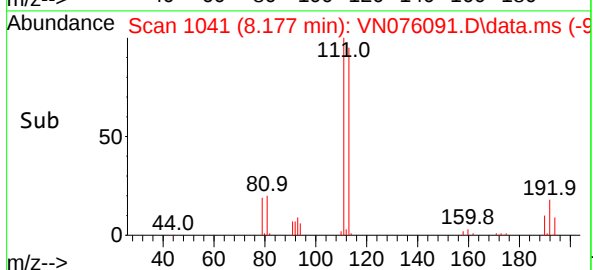
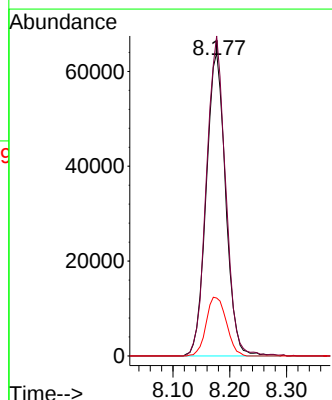
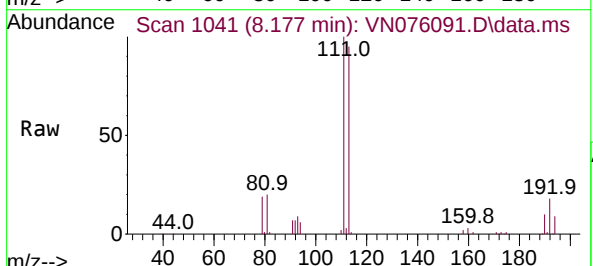
Tgt Ion:113 Resp: 151199

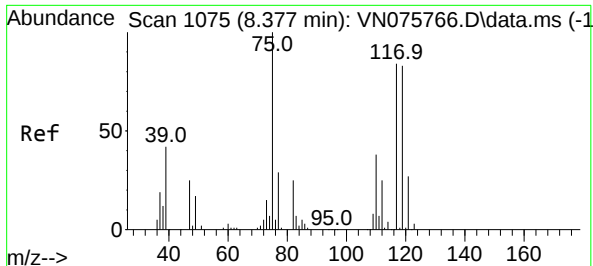
Ion Ratio Lower Upper

113 100

111 103.7 83.4 125.2

192 20.2 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.453 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.141 min

Lab File: VN076091.D

Acq: 04 Jan 2023 19:06

Instrument :

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ClientSampleId :

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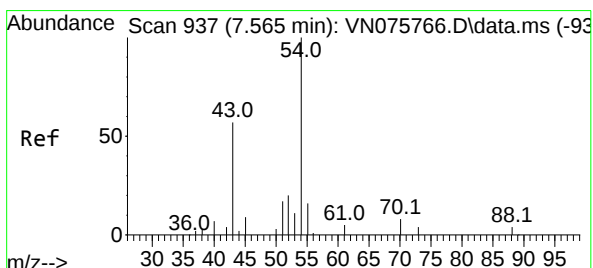
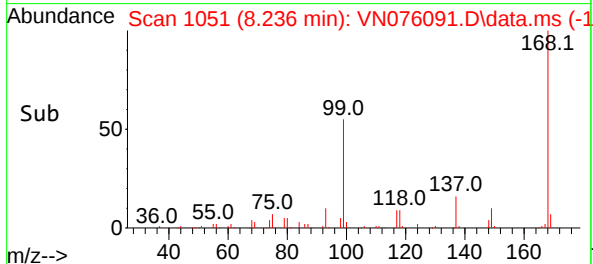
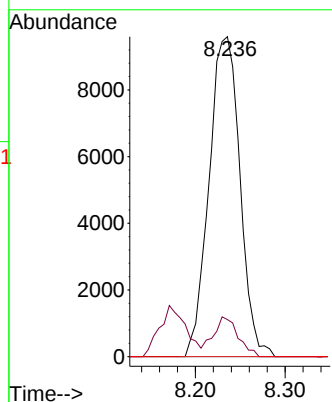
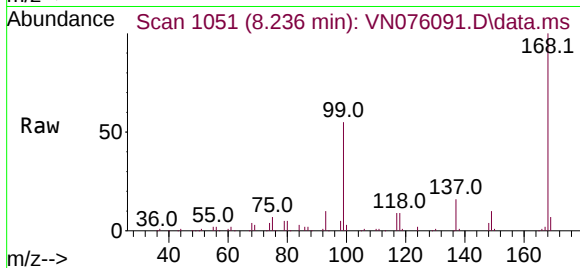
Tgt Ion: 75 Resp: 22970

Ion Ratio Lower Upper

75 100

110 10.0 18.8 56.4#

77 0.0 24.1 36.1#



#37

Ethyl Acetate

Concen: 9.387 ug/l

RT: 7.571 min Scan# 938

Delta R.T. 0.006 min

Lab File: VN076091.D

Acq: 04 Jan 2023 19:06

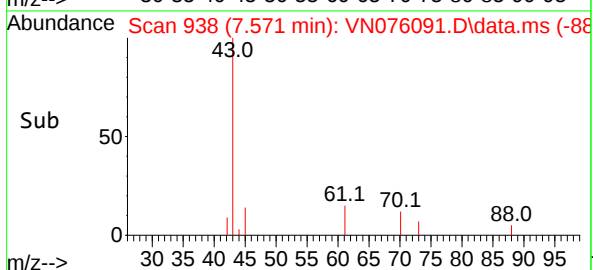
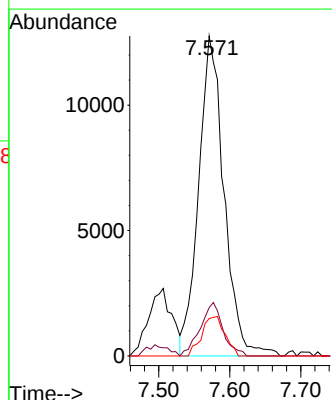
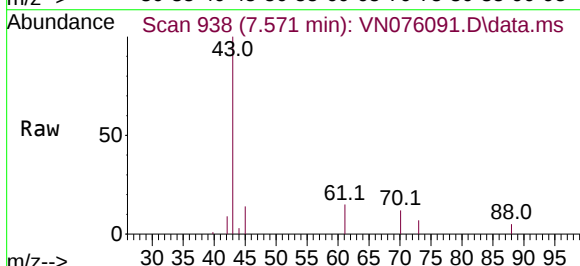
Tgt Ion: 43 Resp: 31765

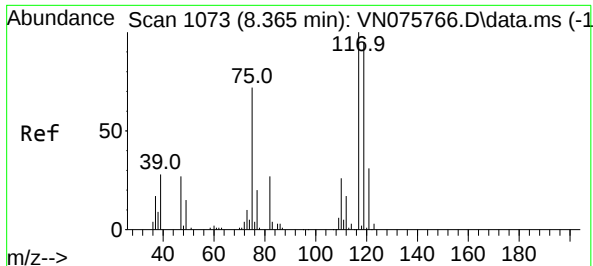
Ion Ratio Lower Upper

43 100

61 15.0 13.0 19.4

70 11.2 9.4 14.0





#38

Carbon Tetrachloride

Concen: 6.426 ug/l

RT: 8.230 min Scan# 110

Delta R.T. -0.135 min

Lab File: VN076091.D

Acq: 04 Jan 2023 19:06

Instrument :

MSVOA_N

ClientSampleId :

TP-15

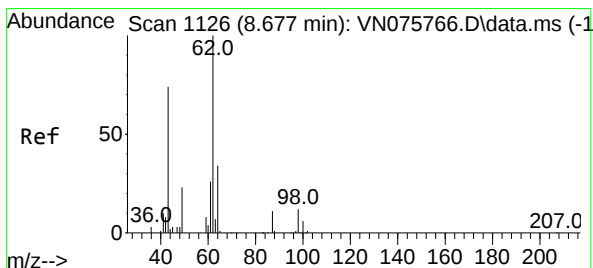
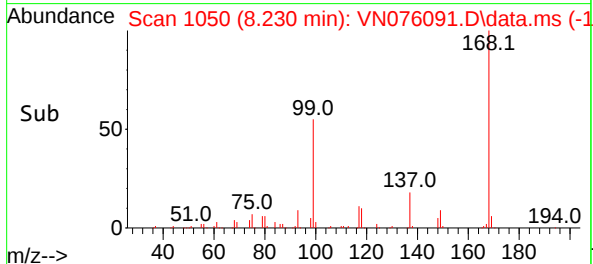
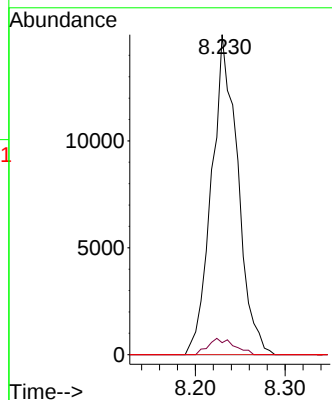
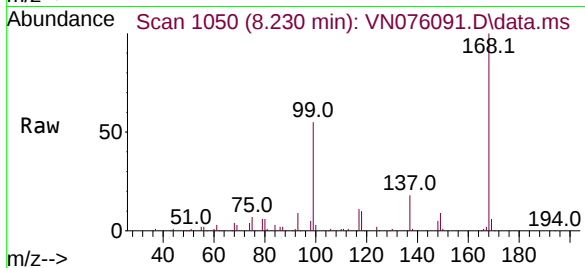
Tgt Ion:117 Resp: 30296

Ion Ratio Lower Upper

117 100

119 3.8 76.1 114.1#

121 0.0 24.5 36.7#



#42

1,2-Dichloroethane

Concen: 0.274 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.018 min

Lab File: VN076091.D

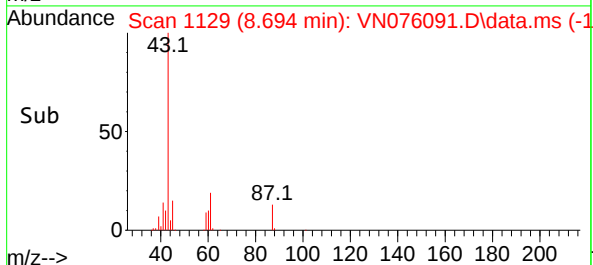
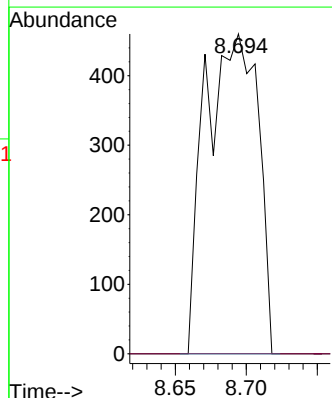
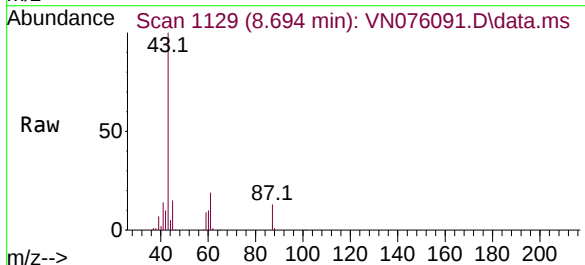
Acq: 04 Jan 2023 19:06

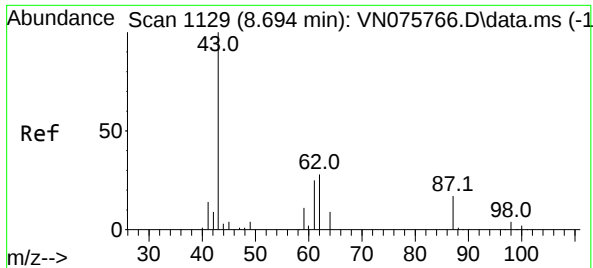
Tgt Ion: 62 Resp: 1184

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8

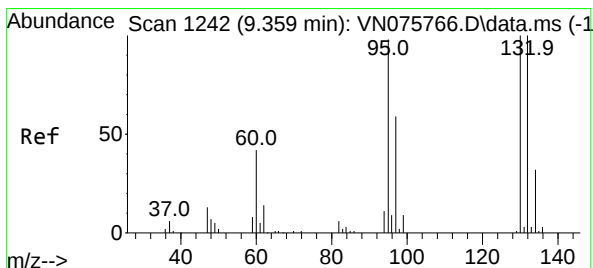
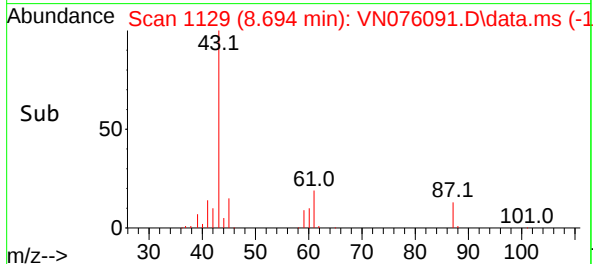
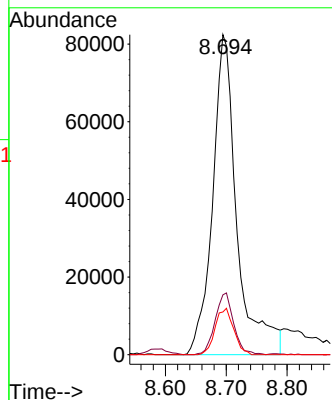
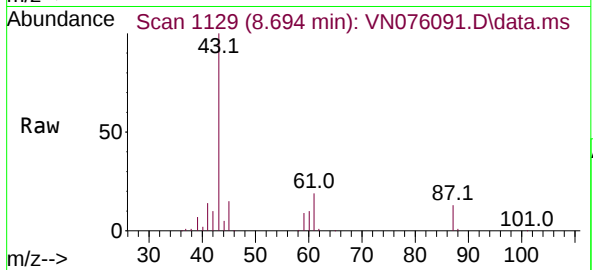




#43
Isopropyl Acetate
Concen: 40.925 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076091.D
Acq: 04 Jan 2023 19:06

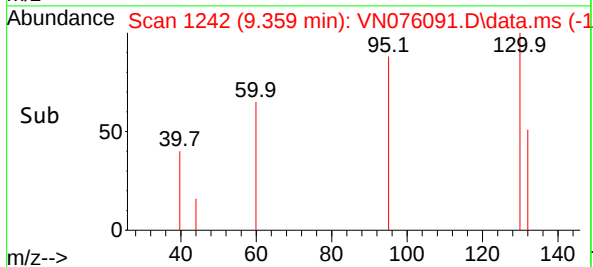
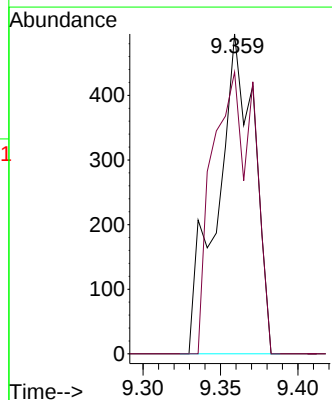
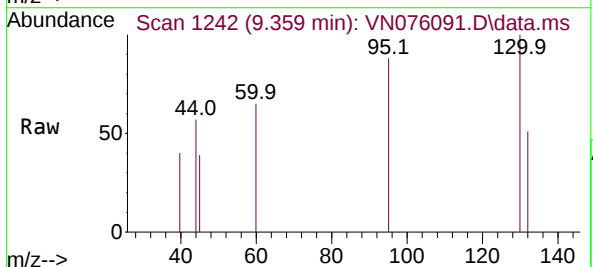
Instrument :
MSVOA_N
ClientSampleId :
TP-15

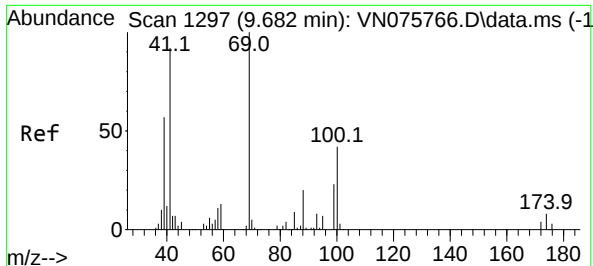
Tgt Ion: 43 Resp: 228441
Ion Ratio Lower Upper
43 100
61 14.7 24.2 36.4#
87 11.1 13.3 19.9#



#44
Trichloroethene
Concen: 0.224 ug/l
RT: 9.359 min Scan# 1242
Delta R.T. 0.000 min
Lab File: VN076091.D
Acq: 04 Jan 2023 19:06

Tgt Ion:130 Resp: 822
Ion Ratio Lower Upper
130 100
95 88.1 0.0 195.4





#48

Methyl methacrylate

Concen: 49.179 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.065 min

Lab File: VN076091.D

Acq: 04 Jan 2023 19:06

Instrument :

MSVOA_N

ClientSampleId :

TP-15

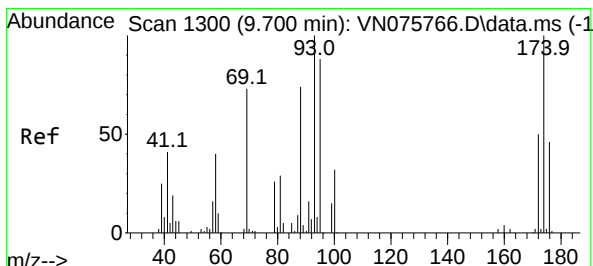
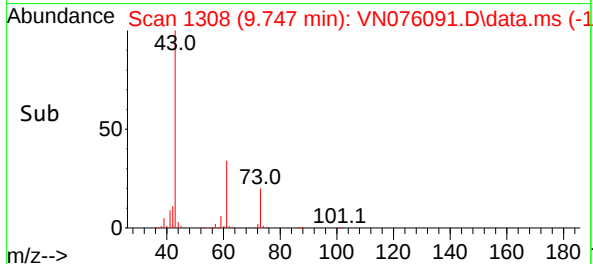
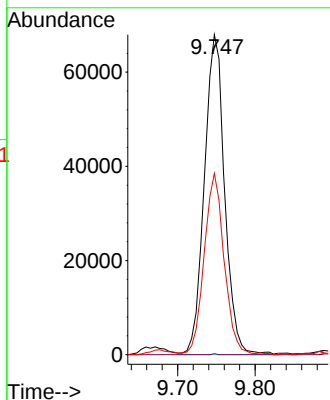
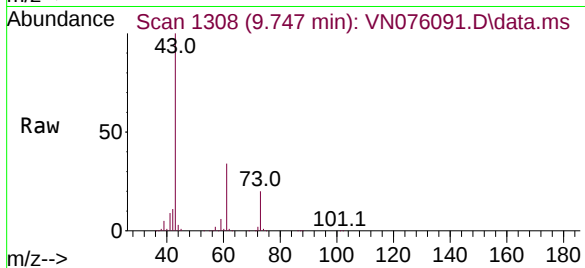
Tgt Ion: 41 Resp: 123638

Ion Ratio Lower Upper

41 100

69 0.1 81.9 122.9#

39 54.9 51.6 77.4



#49

1,4-Dioxane

Concen: 4.854 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.041 min

Lab File: VN076091.D

Acq: 04 Jan 2023 19:06

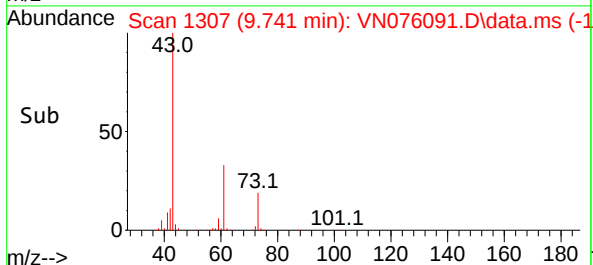
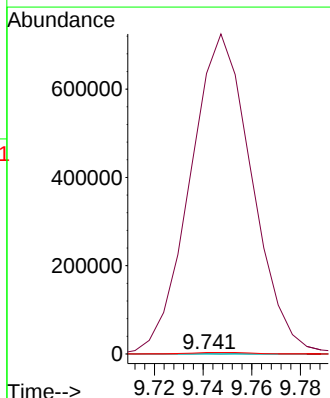
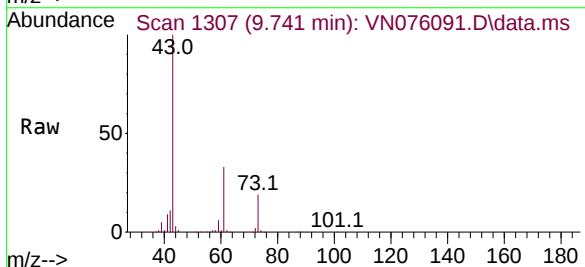
Tgt Ion: 88 Resp: 300

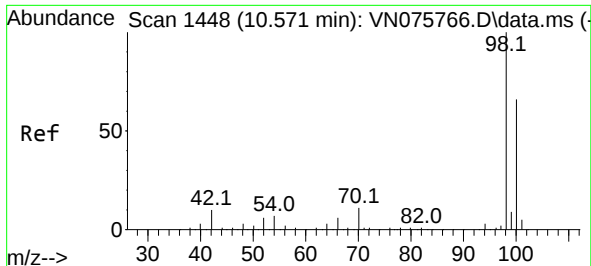
Ion Ratio Lower Upper

88 100

43 430541.0 17.1 25.7#

58 2072.7 47.8 71.8#

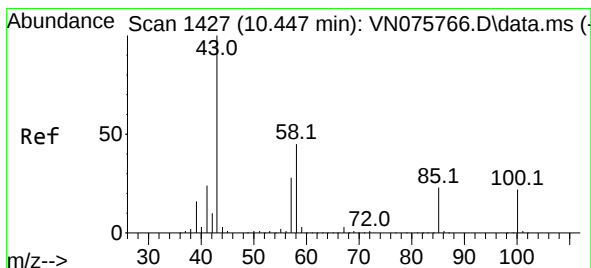
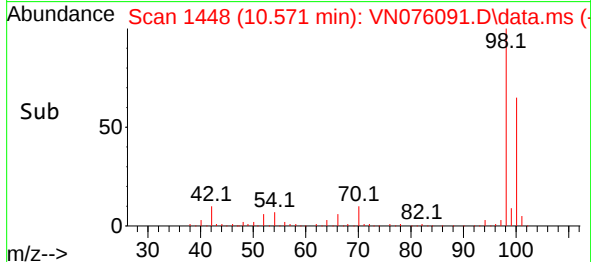
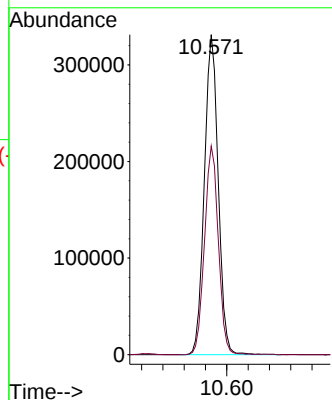
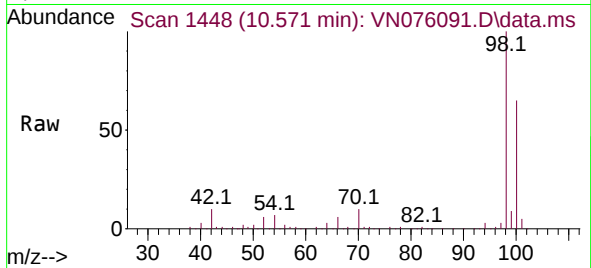




#50
Toluene-d8
Concen: 50.420 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076091.D
Acq: 04 Jan 2023 19:06

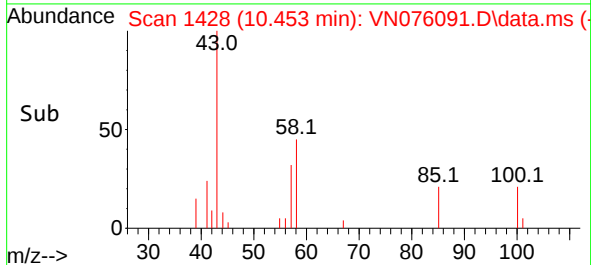
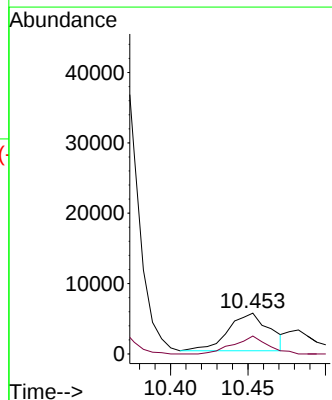
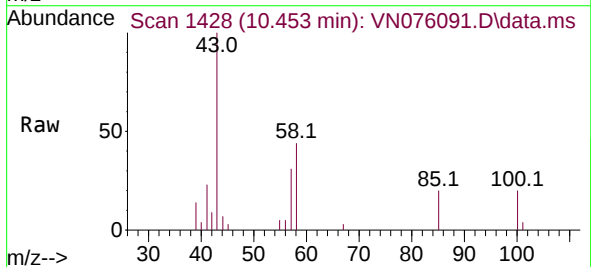
Instrument :
MSVOA_N
ClientSampleId :
TP-15

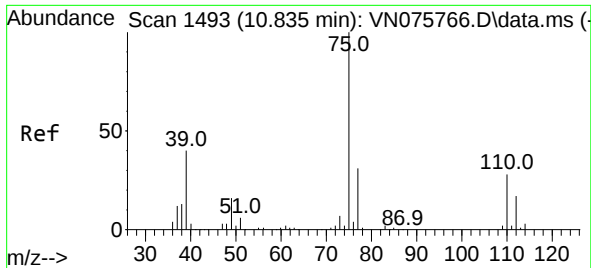
Tgt Ion: 98 Resp: 597824
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 2.927 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076091.D
Acq: 04 Jan 2023 19:06

Tgt Ion: 43 Resp: 9881
Ion Ratio Lower Upper
43 100
58 39.3 35.5 53.3

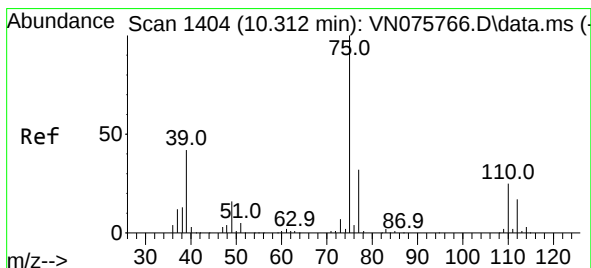
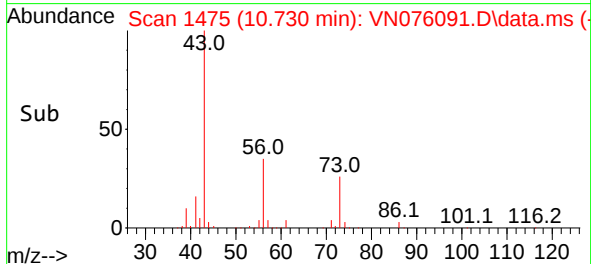
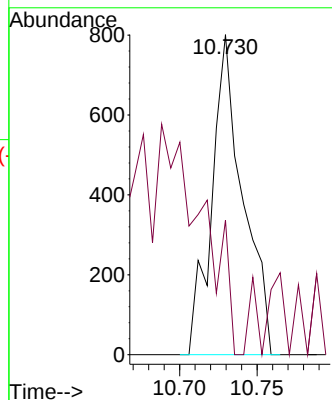
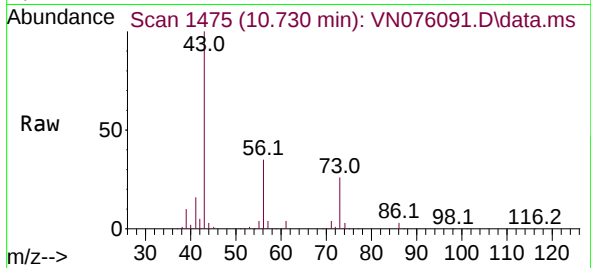




#53
 t-1,3-Dichloropropene
 Concen: 0.248 ug/l
 RT: 10.730 min Scan# 1411
 Delta R.T. -0.106 min
 Lab File: VN076091.D
 Acq: 04 Jan 2023 19:06

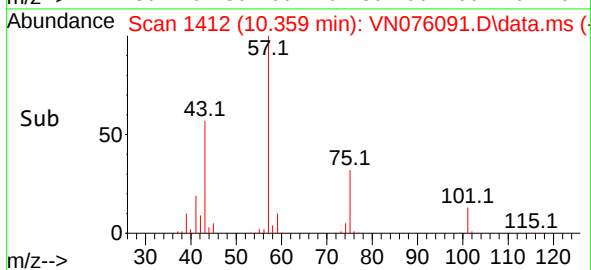
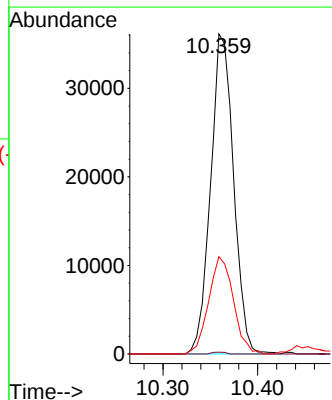
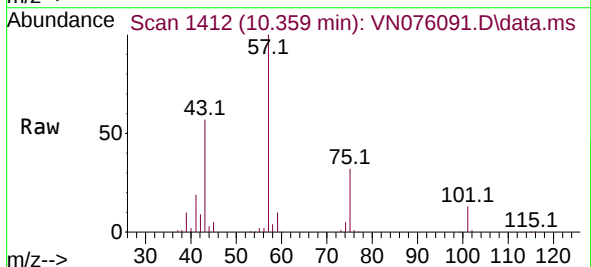
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-15

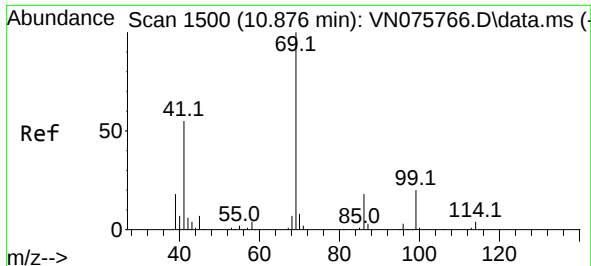
Tgt Ion: 75 Resp: 1118
 Ion Ratio Lower Upper
 75 100
 77 16.5 24.9 37.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.347 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076091.D
 Acq: 04 Jan 2023 19:06

Tgt Ion: 75 Resp: 61047
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.8 38.8#
 39 30.4 33.4 50.2#

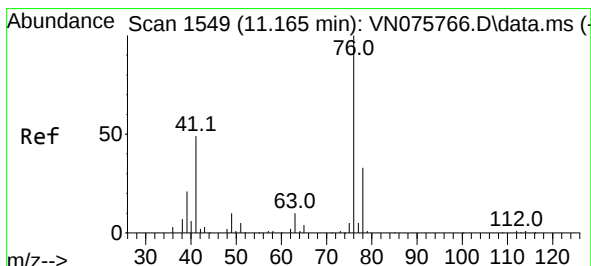
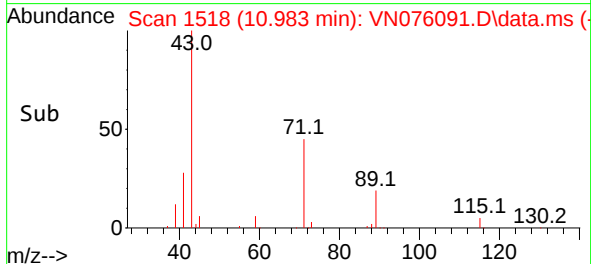
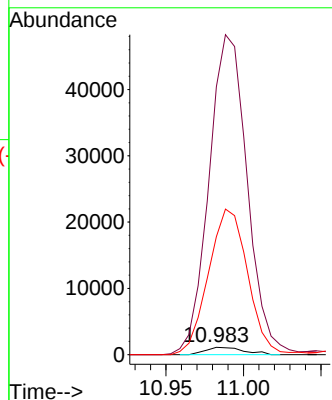
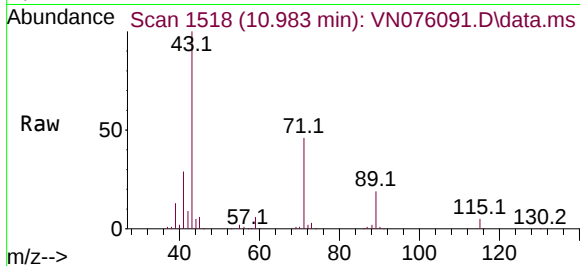




#56
Ethyl methacrylate
Concen: 0.434 ug/l
RT: 10.983 min Scan# 1518
Delta R.T. 0.106 min
Lab File: VN076091.D
Acq: 04 Jan 2023 19:06

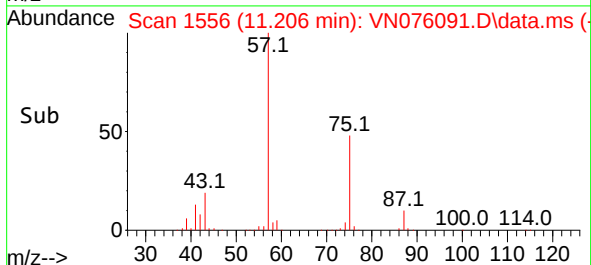
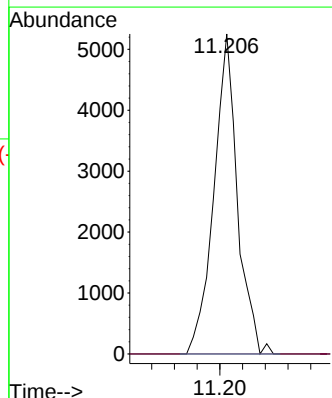
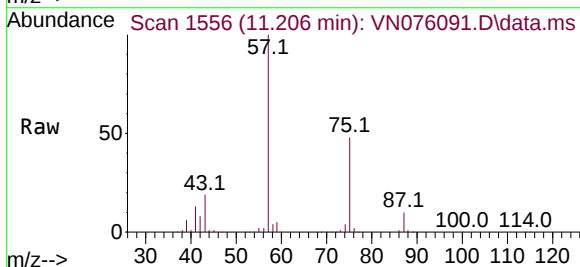
Instrument :
MSVOA_N
ClientSampleId :
TP-15

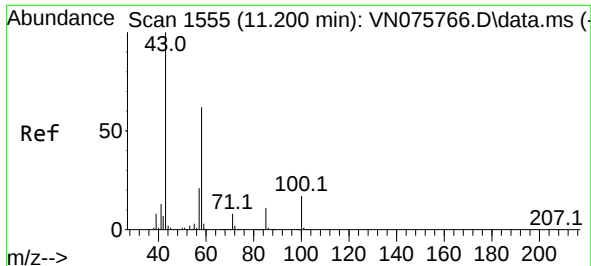
Tgt Ion: 69 Resp: 1917
Ion Ratio Lower Upper
69 100
41 4335.7 44.2 66.4#
39 2025.8 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.387 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076091.D
Acq: 04 Jan 2023 19:06

Tgt Ion: 76 Resp: 7557
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

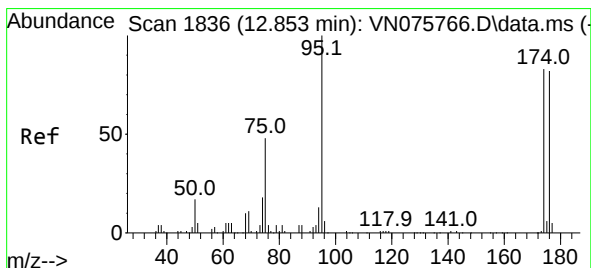
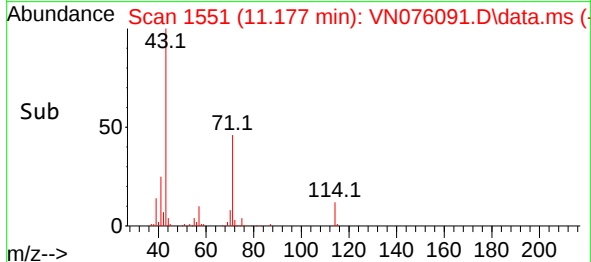
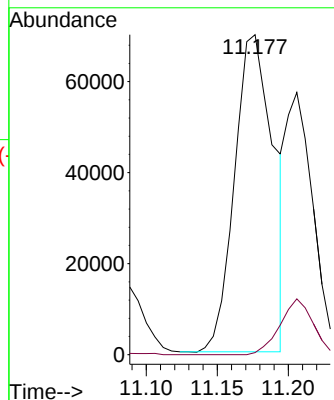
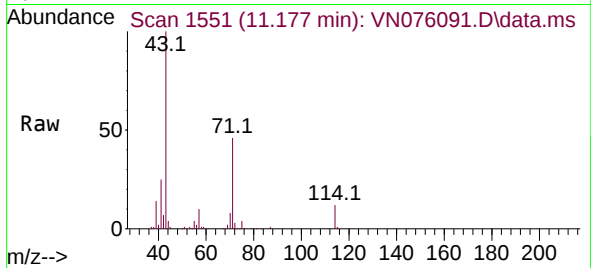




#59
2-Hexanone
Concen: 53.822 ug/l
RT: 11.177 min Scan# 1551
Delta R.T. -0.023 min
Lab File: VN076091.D
Acq: 04 Jan 2023 19:06

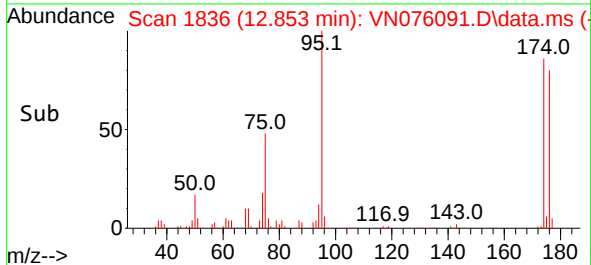
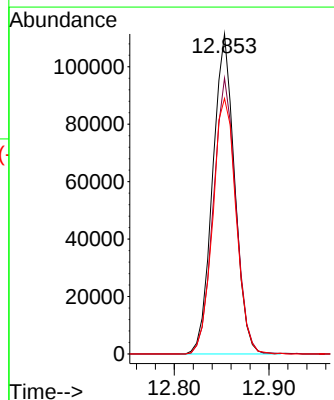
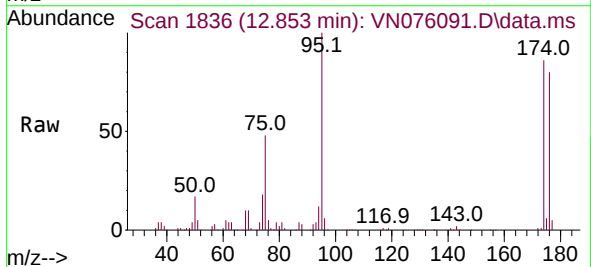
Instrument :
MSVOA_N
ClientSampleId :
TP-15

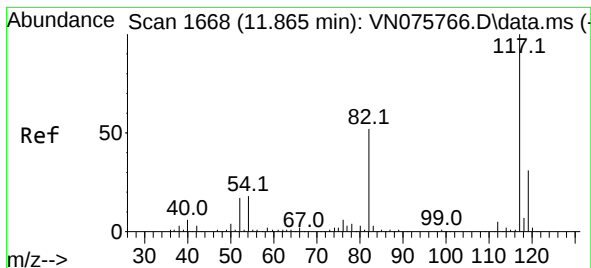
Tgt Ion: 43 Resp: 132497
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 45.652 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076091.D
Acq: 04 Jan 2023 19:06

Tgt Ion: 95 Resp: 179284
Ion Ratio Lower Upper
95 100
174 88.1 0.0 171.6
176 84.9 0.0 169.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076091.D

Acq: 04 Jan 2023 19:06

Instrument :

MSVOA_N

ClientSampleId :

TP-15

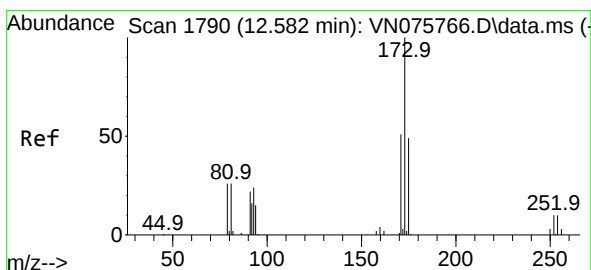
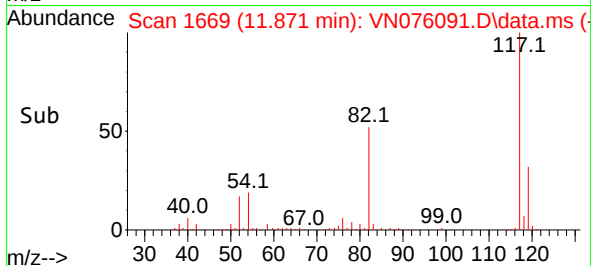
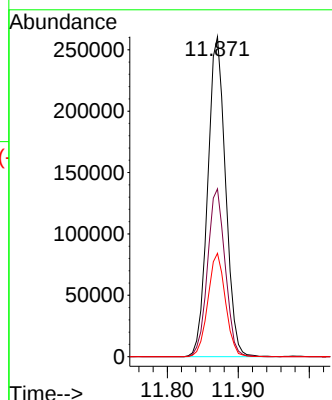
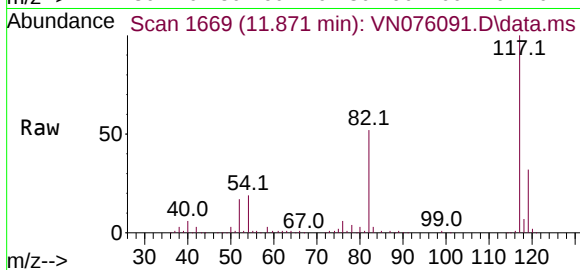
Tgt Ion:117 Resp: 454138

Ion Ratio Lower Upper

117 100

82 52.5 41.3 61.9

119 32.3 24.6 37.0



#71

Bromoform

Concen: 0.368 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.265 min

Lab File: VN076091.D

Acq: 04 Jan 2023 19:06

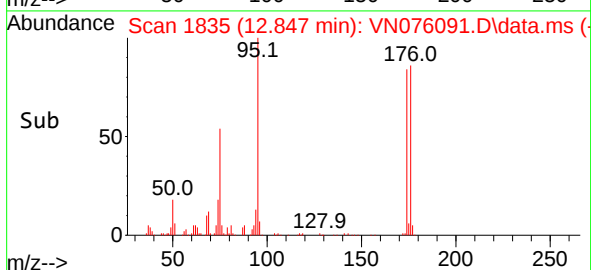
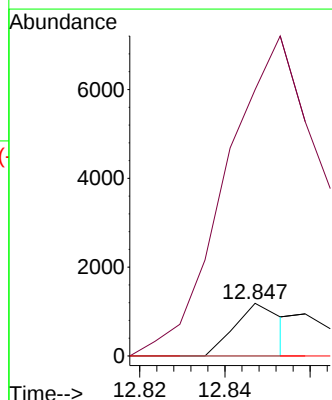
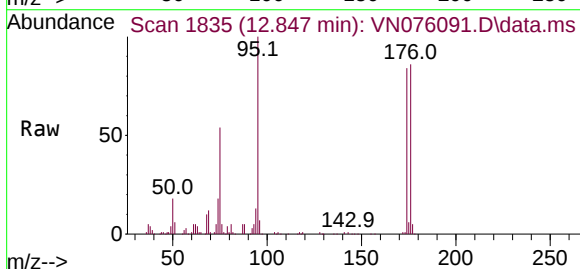
Tgt Ion:173 Resp: 924

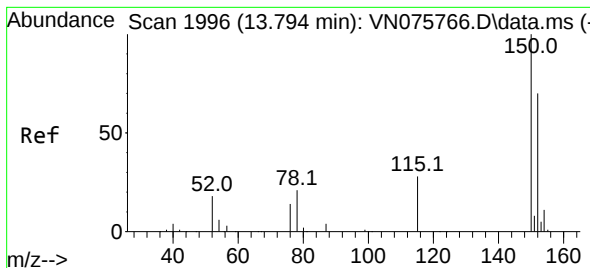
Ion Ratio Lower Upper

173 100

175 1007.0 24.3 72.8#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VN076091.D

Acq: 04 Jan 2023 19:06

Instrument :

MSVOA_N

ClientSampleId :

TP-15

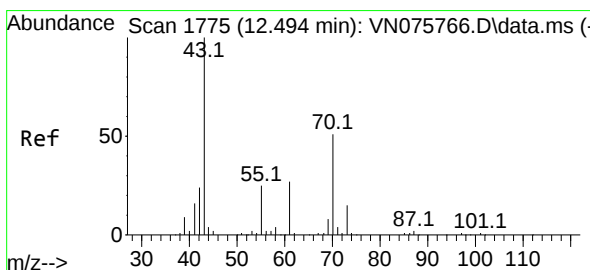
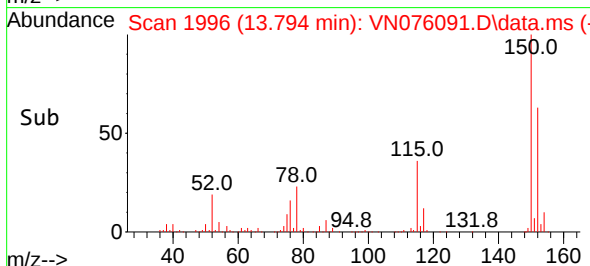
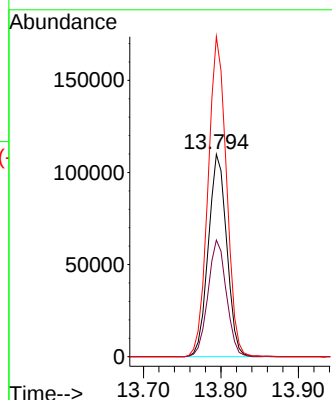
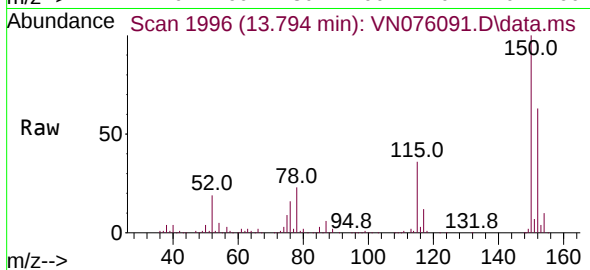
Tgt Ion:152 Resp: 181259

Ion Ratio Lower Upper

152 100

115 57.5 29.1 87.4

150 158.0 0.0 347.0



#74

N-ethyl acetate

Concen: 0.356 ug/l

RT: 12.494 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN076091.D

Acq: 04 Jan 2023 19:06

Tgt Ion: 43 Resp: 1367

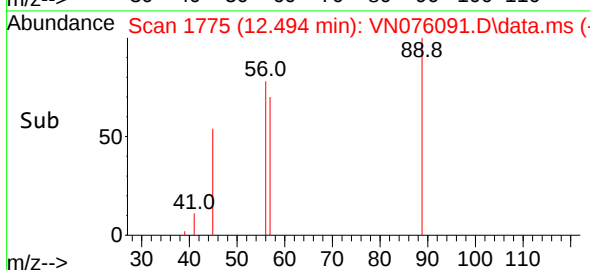
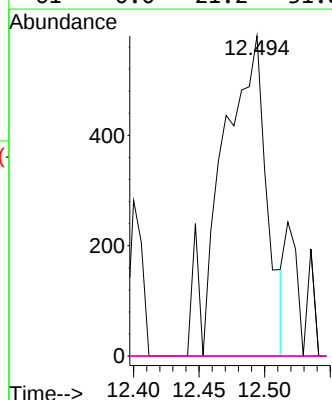
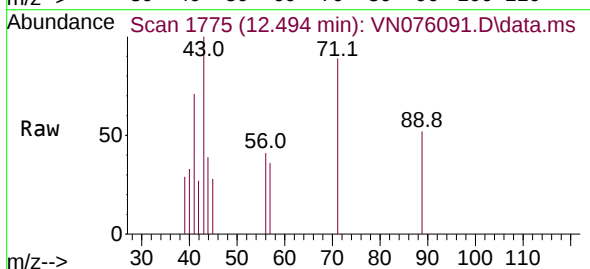
Ion Ratio Lower Upper

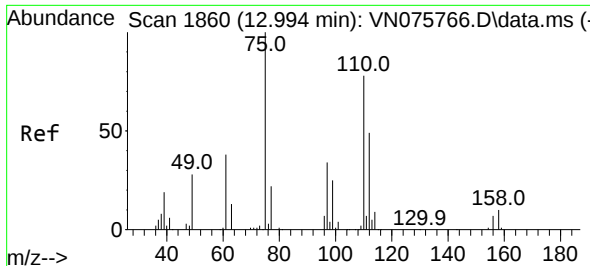
43 100

70 0.0 41.4 62.0#

55 0.0 21.3 31.9#

61 0.0 21.2 31.8#

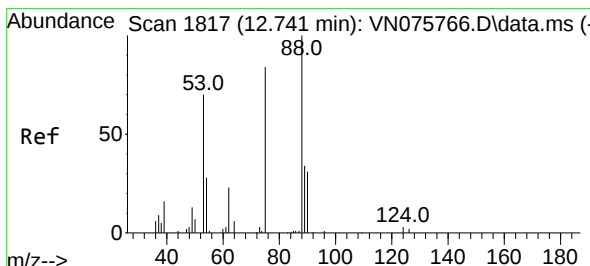
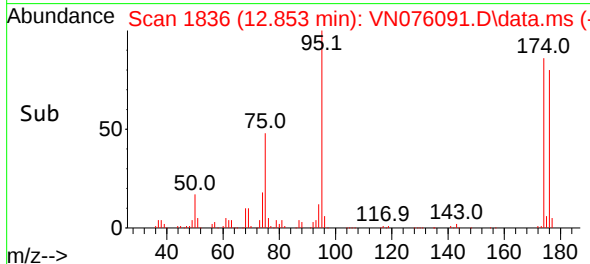
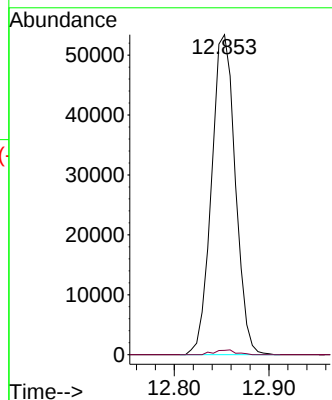
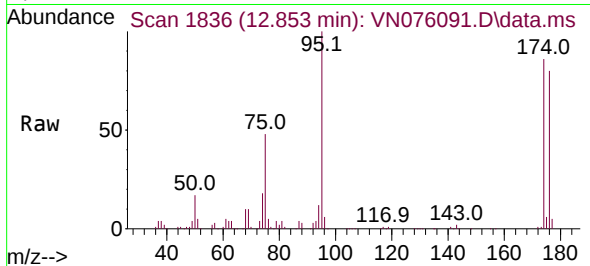




#76
1,2,3-Trichloropropane
Concen: 25.497 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076091.D
Acq: 04 Jan 2023 19:06

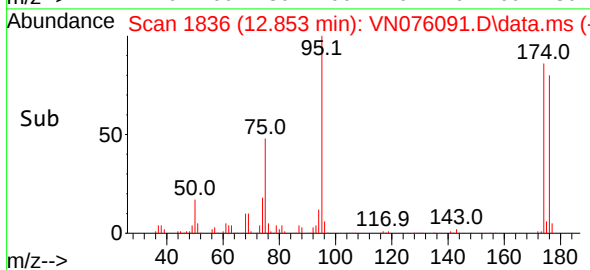
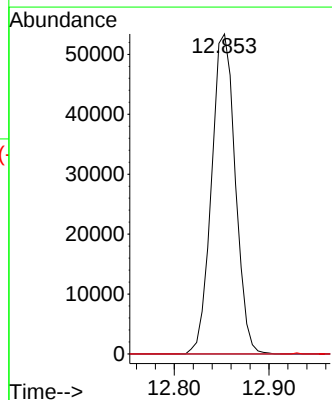
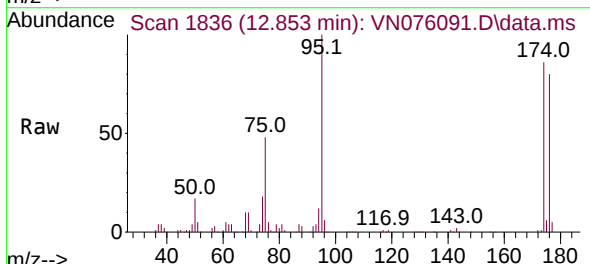
Instrument :
MSVOA_N
ClientSampleId :
TP-15

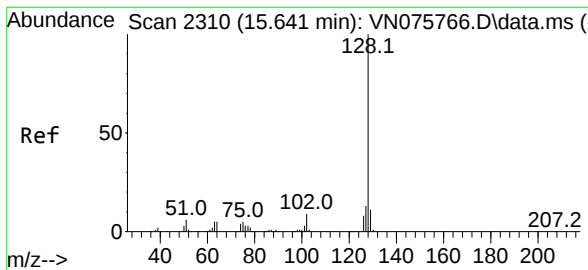
Tgt Ion: 75 Resp: 93159
Ion Ratio Lower Upper
75 100
77 1.4 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.776 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076091.D
Acq: 04 Jan 2023 19:06

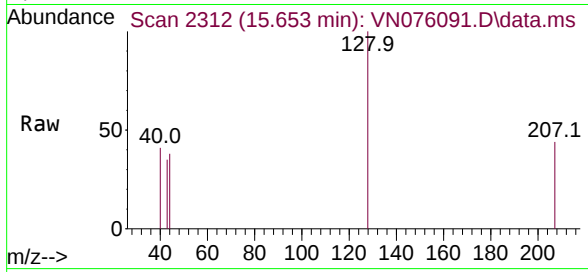
Tgt Ion: 75 Resp: 93159
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.240 ug/l
RT: 15.653 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN076091.D
Acq: 04 Jan 2023 19:06

Instrument :
MSVOA_N
ClientSampleId :
TP-15



Tgt Ion:	128	Resp:	649
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.7	13.1#

