

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075494.D
 Acq On : 30 Nov 2022 11:28
 Operator : JC\MD
 Sample : N5795-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

Quant Time: Dec 01 02:14:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

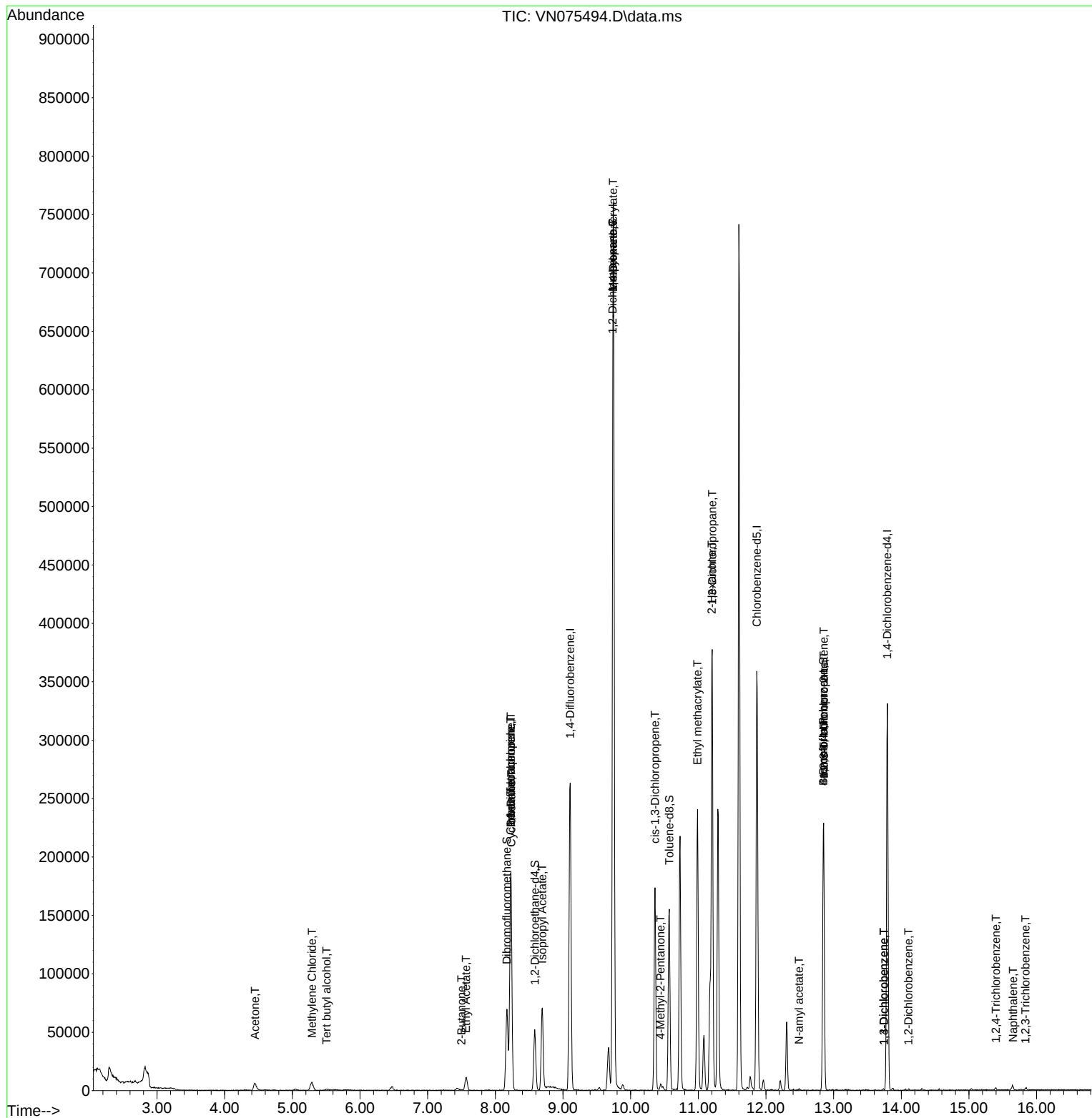
Internal Standards						
1) Pentafluorobenzene	8.230	168	141613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	245466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	224266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	94130	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	40274	52.981	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.960%	
35) Dibromofluoromethane	8.171	113	50342	52.207	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.420%	
50) Toluene-d8	10.571	98	109478	50.409	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.820%	
62) 4-Bromofluorobenzene	12.847	95	79616	49.666	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.340%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	321	1.006	ug/l #	72
16) Acetone	4.448	43	12500	17.629	ug/l	95
18) Methyl Acetate	5.042	43	2014	Below Cal	#	87
20) Methylene Chloride	5.289	84	6056	3.010	ug/l #	68
25) 2-Butanone	7.500	43	1072	1.083	ug/l #	43
31) Cyclohexane	8.236	56	2684	1.111	ug/l #	45
36) 1,1-Dichloropropene	8.230	75	10169	4.836	ug/l #	52
37) Ethyl Acetate	7.565	43	17303	9.138	ug/l	99
38) Carbon Tetrachloride	8.224	117	14665	6.348	ug/l #	16
43) Isopropyl Acetate	8.694	43	75999	25.006	ug/l #	91
45) 1,2-Dichloropropane	9.736	63	942	0.614	ug/l #	42
48) Methyl methacrylate	9.741	41	68851	48.993	ug/l #	34
49) 1,4-Dioxane	9.741	88	56	1.403	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	3141	1.623	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	33536	13.686	ug/l #	65
56) Ethyl methacrylate	10.988	69	702	0.308	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3980	1.444	ug/l #	42
59) 2-Hexanone	11.200	43	47599	32.746	ug/l #	51
71) Bromoform	12.847	173	490	0.372	ug/l #	28
74) N-amyl acetate	12.488	43	658	0.311	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	39870	22.402	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	39870	66.282	ug/l #	10
87) 1,3-Dichlorobenzene	13.741	146	719	0.224	ug/l	82
88) 1,4-Dichlorobenzene	13.741	146	719	0.220	ug/l	81
91) 1,2-Dichlorobenzene	14.106	146	708	0.226	ug/l #	79
93) 1,2,4-Trichlorobenzene	15.400	180	962	0.599	ug/l	89
95) Naphthalene	15.653	128	4964	0.982	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.835	180	1038	0.657	ug/l #	16

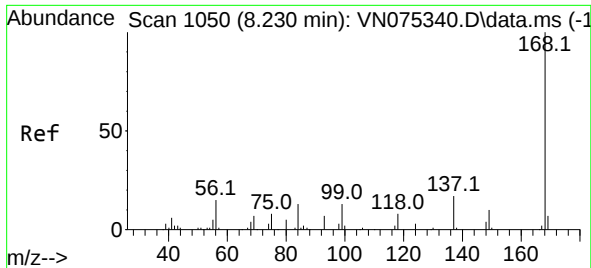
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 2022
Response via : Initial Calibration

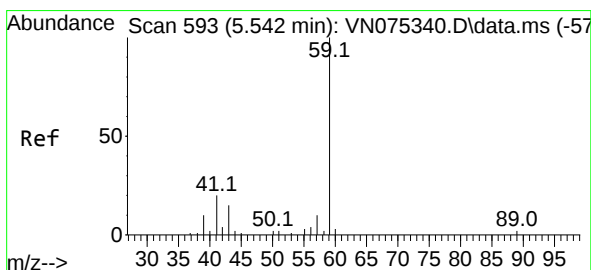
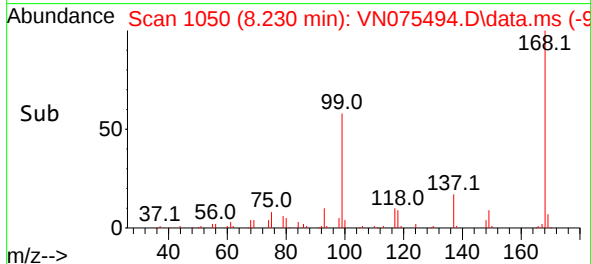
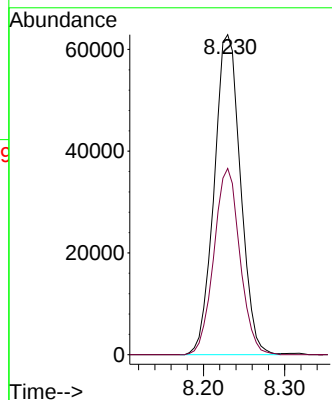
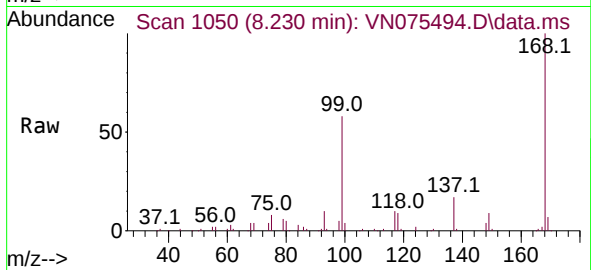




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075494.D
Acq: 30 Nov 2022 11:28

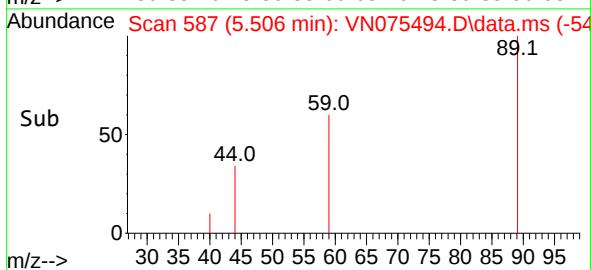
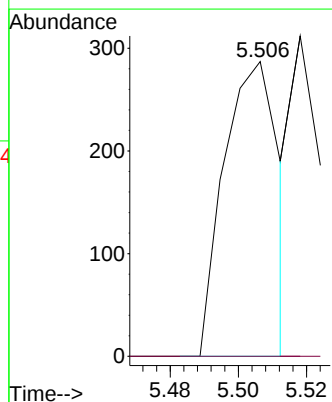
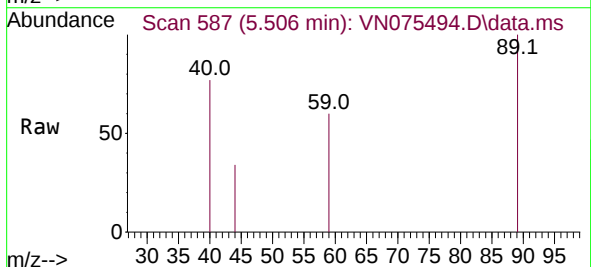
Instrument :
MSVOA_N
ClientSampleId :
TP-10

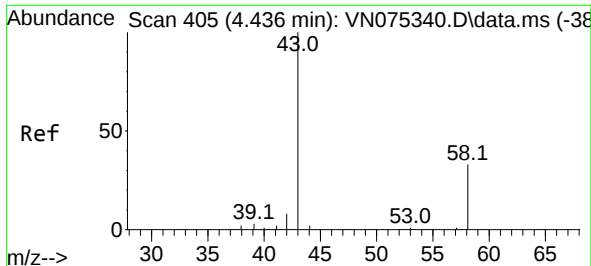
Tgt Ion:168 Resp: 141613
Ion Ratio Lower Upper
168 100
99 58.2 51.6 77.4



#11
Tert butyl alcohol
Concen: 1.006 ug/l
RT: 5.506 min Scan# 587
Delta R.T. -0.036 min
Lab File: VN075494.D
Acq: 30 Nov 2022 11:28

Tgt Ion: 59 Resp: 321
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

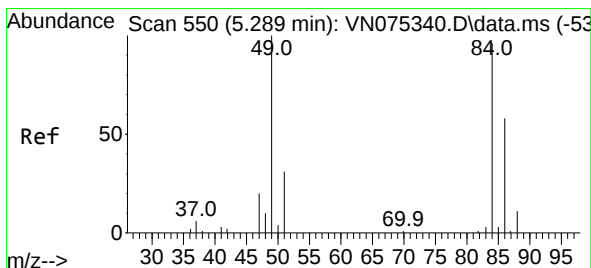
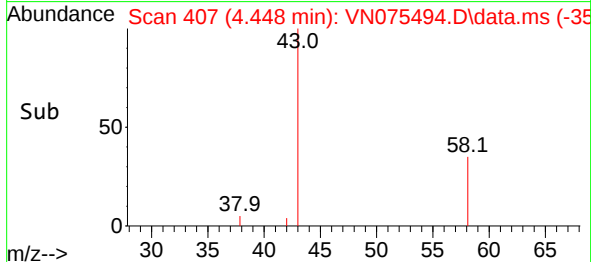
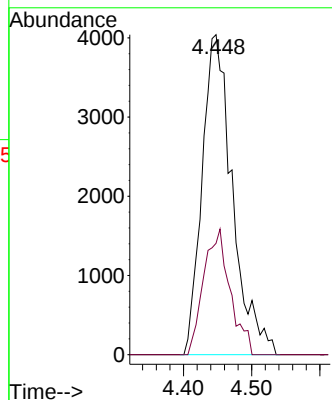
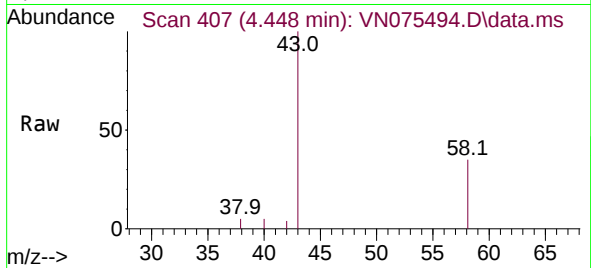




#16
Acetone
Concen: 17.629 ug/l
RT: 4.448 min Scan# 405
Delta R.T. 0.012 min
Lab File: VN075494.D
Acq: 30 Nov 2022 11:28

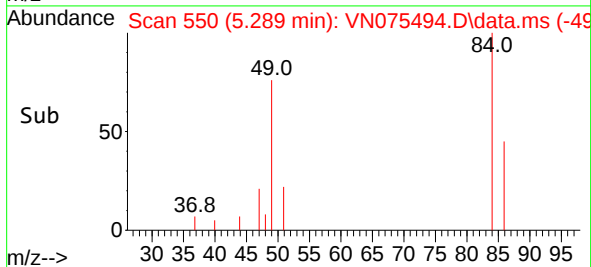
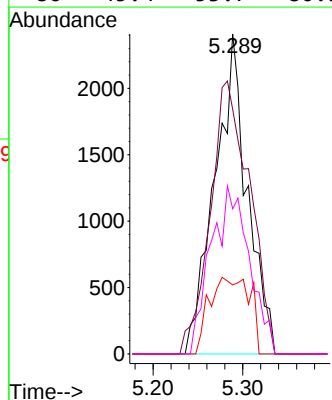
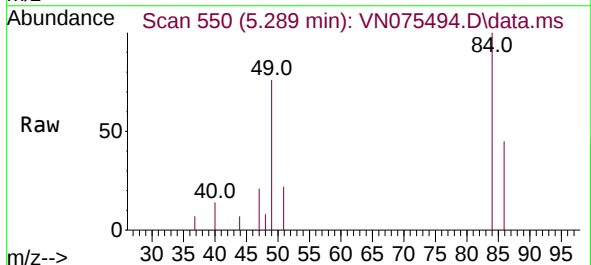
Instrument :
MSVOA_N
ClientSampleId :
TP-10

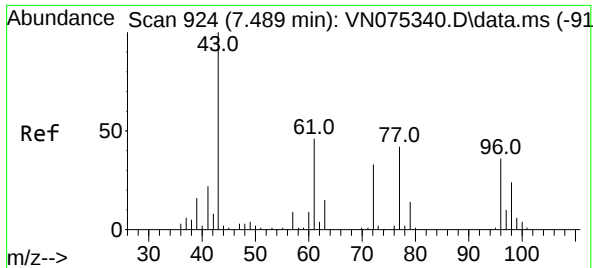
Tgt Ion: 43 Resp: 12500
Ion Ratio Lower Upper
43 100
58 34.8 25.5 38.3



#20
Methylene Chloride
Concen: 3.010 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075494.D
Acq: 30 Nov 2022 11:28

Tgt Ion: 84 Resp: 6056
Ion Ratio Lower Upper
84 100
49 76.5 94.9 142.3#
51 21.6 26.8 40.2#
86 45.4 53.7 80.5#

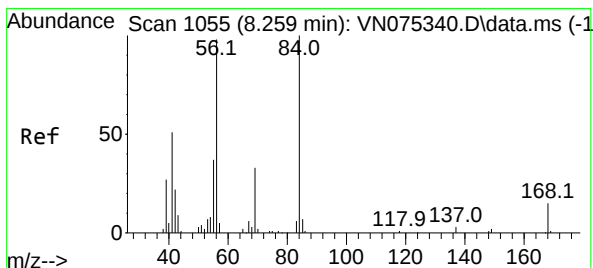
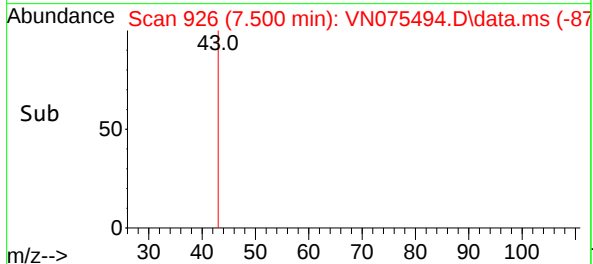
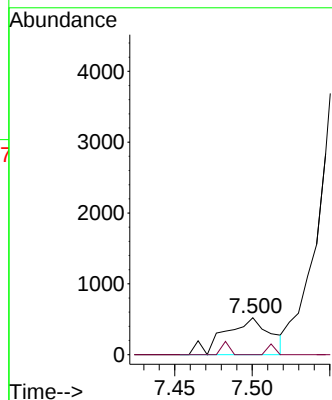
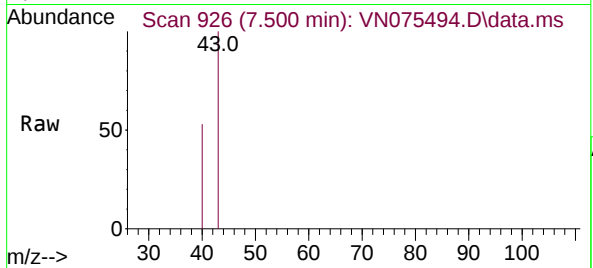




#25
2-Butanone
Concen: 1.083 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN075494.D
Acq: 30 Nov 2022 11:28

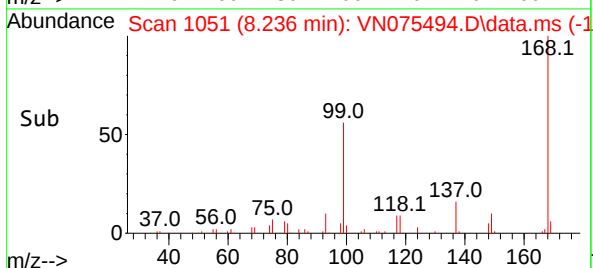
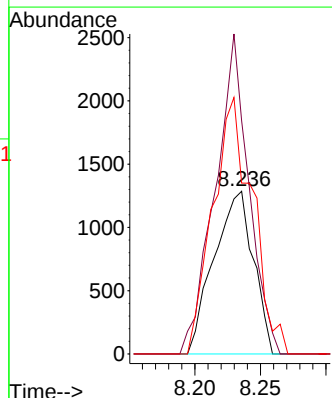
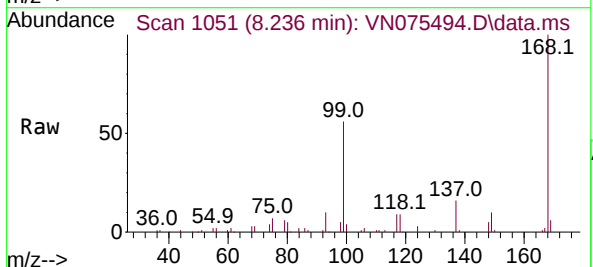
Instrument :
MSVOA_N
ClientSampleId :
TP-10

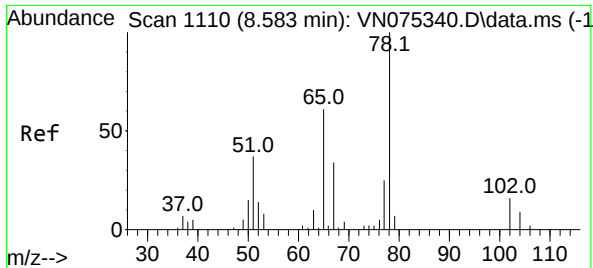
Tgt Ion: 43 Resp: 1072
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 1.111 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.023 min
Lab File: VN075494.D
Acq: 30 Nov 2022 11:28

Tgt Ion: 56 Resp: 2684
Ion Ratio Lower Upper
56 100
69 143.2 25.2 37.8#
84 105.0 77.8 116.8

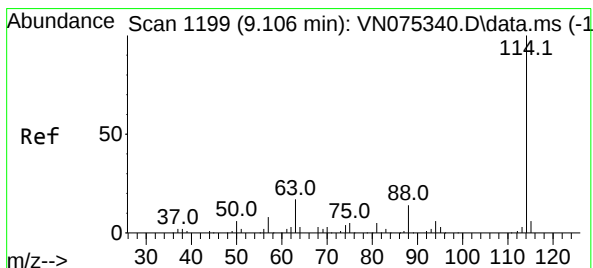
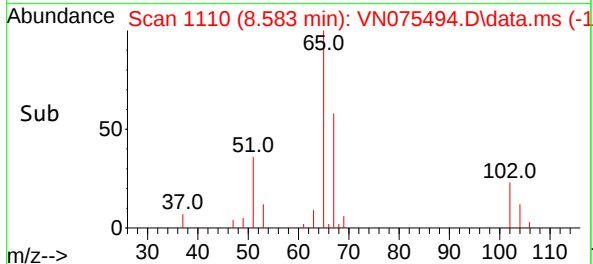
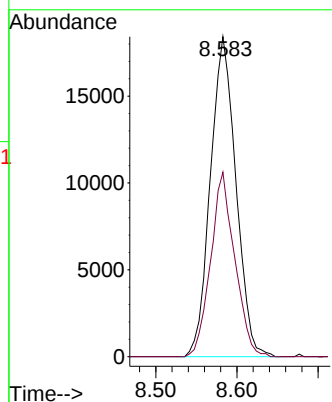
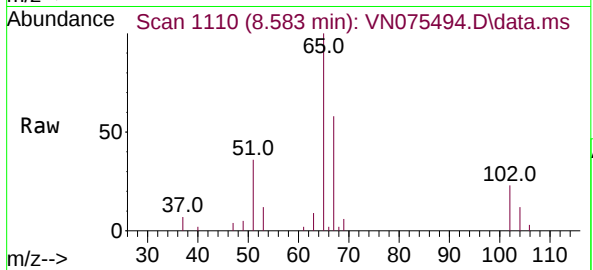




#33
 1,2-Dichloroethane-d4
 Concen: 52.981 ug/l
 RT: 8.583 min Scan# 1110
 Delta R.T. -0.000 min
 Lab File: VN075494.D
 Acq: 30 Nov 2022 11:28

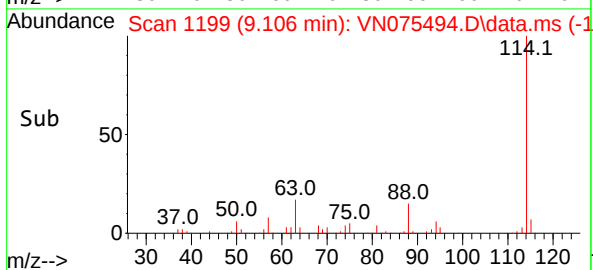
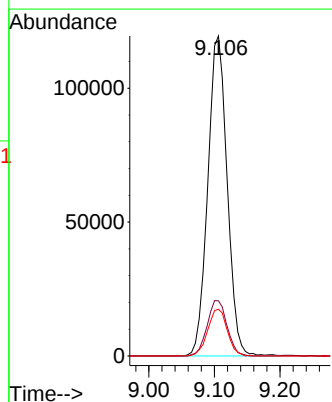
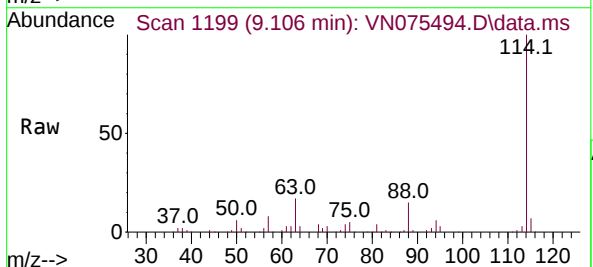
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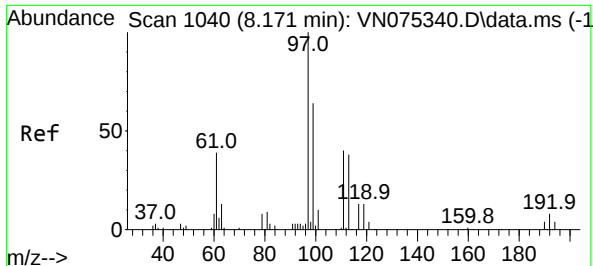
Tgt Ion: 65 Resp: 40274
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. 0.000 min
 Lab File: VN075494.D
 Acq: 30 Nov 2022 11:28

Tgt Ion: 114 Resp: 245466
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 39.6
 88 14.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 52.207 ug/l

RT: 8.171 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN075494.D

Acq: 30 Nov 2022 11:28

Instrument :

MSVOA_N

ClientSampleId :

TP-10

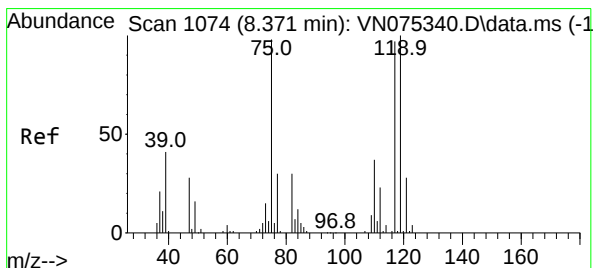
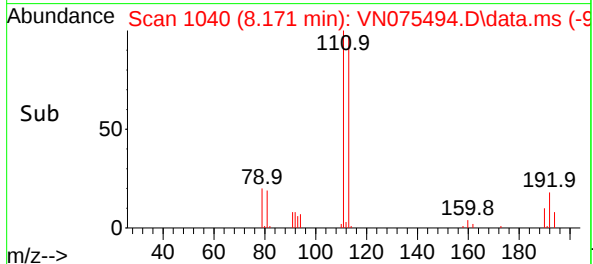
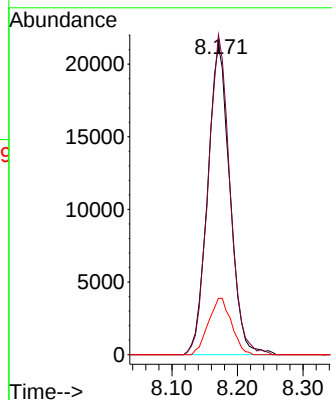
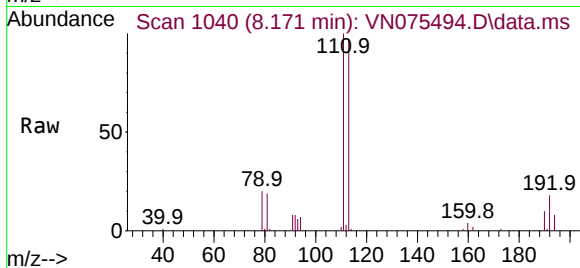
Tgt Ion:113 Resp: 50342

Ion Ratio Lower Upper

113 100

111 101.0 80.5 120.7

192 18.8 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.836 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075494.D

Acq: 30 Nov 2022 11:28

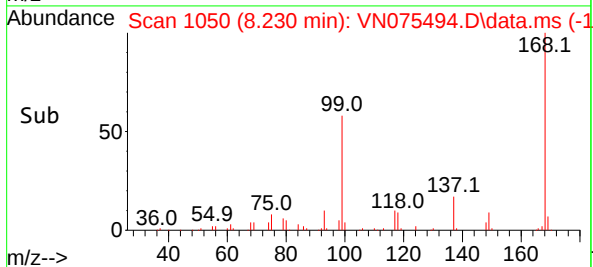
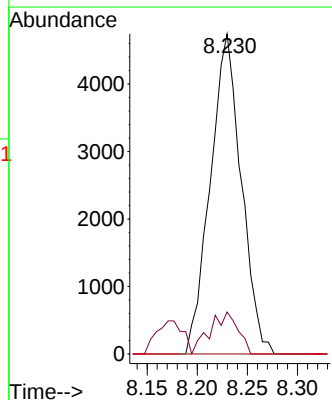
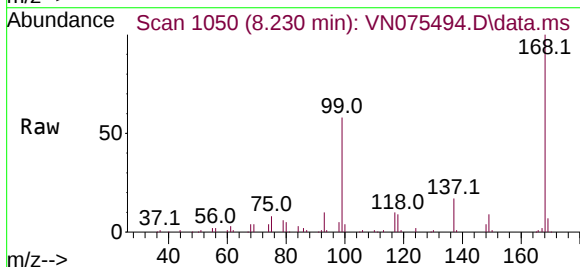
Tgt Ion: 75 Resp: 10169

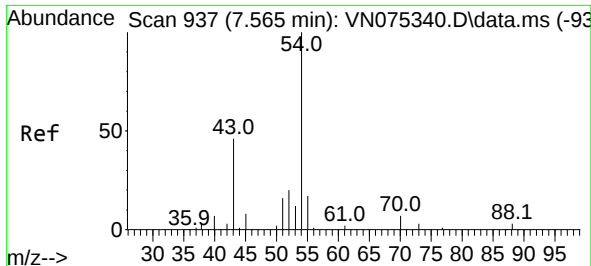
Ion Ratio Lower Upper

75 100

110 11.9 17.8 53.3#

77 0.0 24.6 37.0#

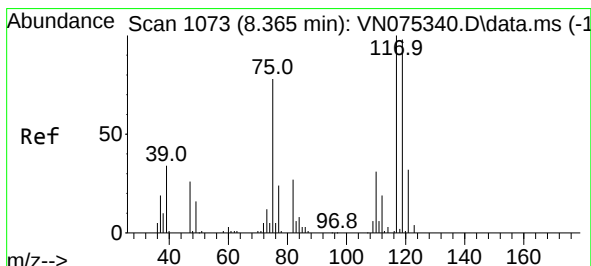
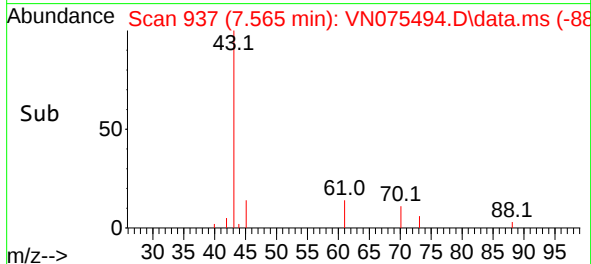
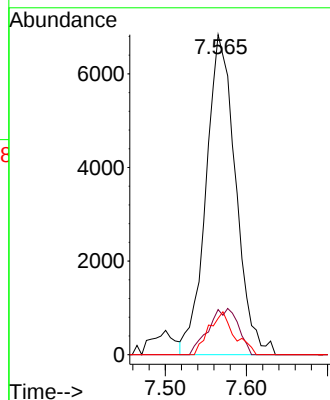
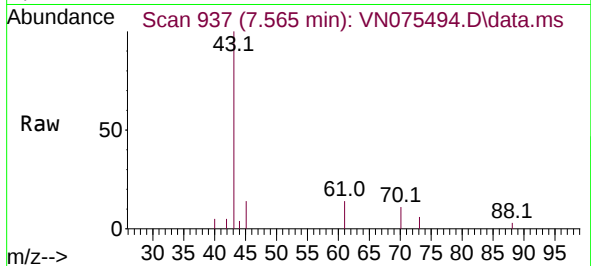




#37
Ethyl Acetate
Concen: 9.138 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN075494.D
Acq: 30 Nov 2022 11:28

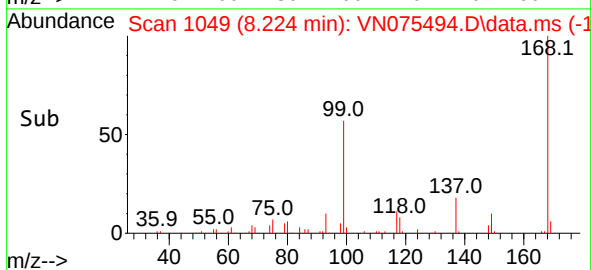
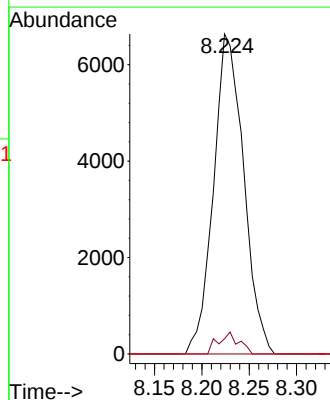
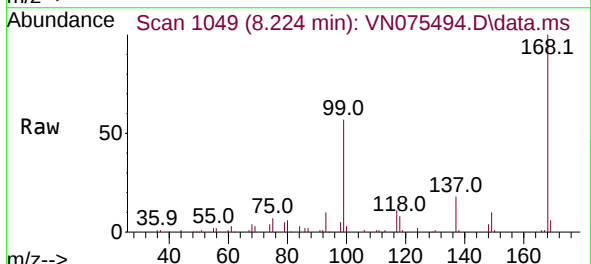
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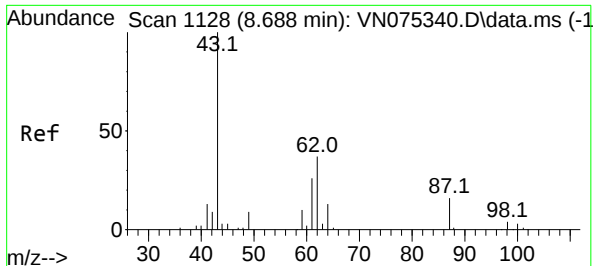
Tgt Ion:	43	Resp:	17303
Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.2	18.4
70	11.5	9.4	14.2



#38
Carbon Tetrachloride
Concen: 6.348 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.141 min
Lab File: VN075494.D
Acq: 30 Nov 2022 11:28

Tgt Ion:	117	Resp:	14665
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.7	115.1#
121	0.0	23.9	35.9#

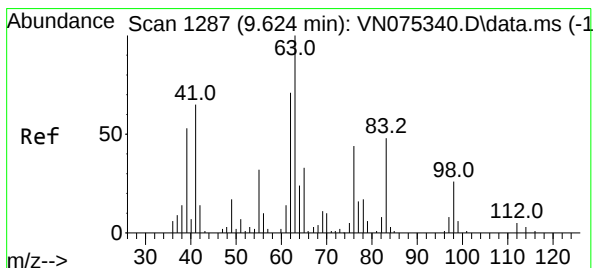
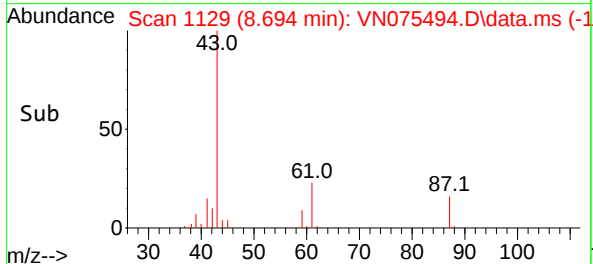
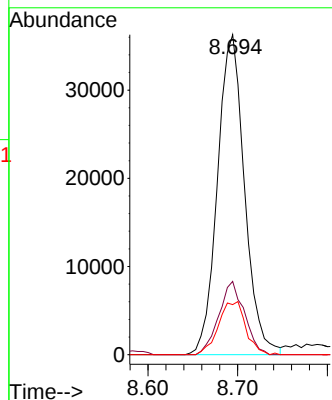
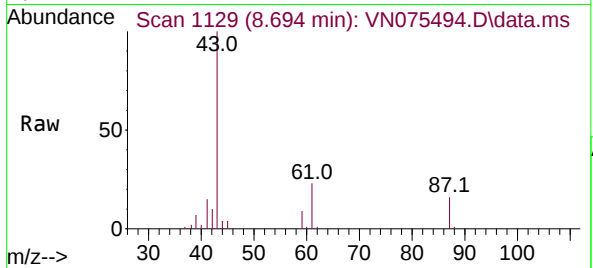




#43
Isopropyl Acetate
Concen: 25.006 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN075494.D
Acq: 30 Nov 2022 11:28

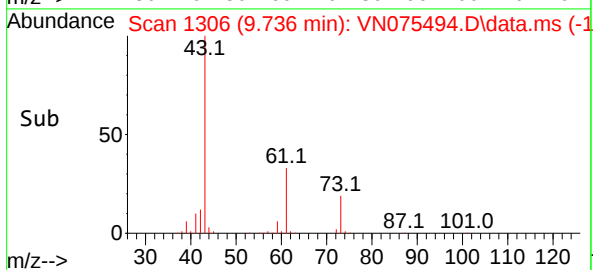
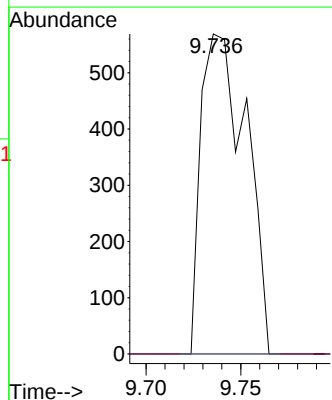
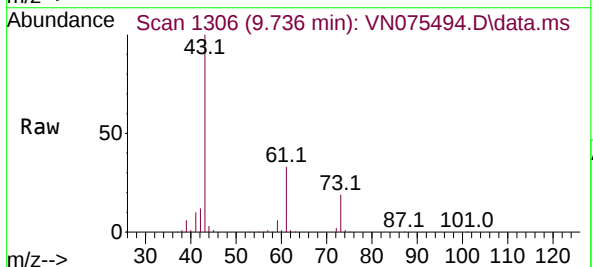
Instrument :
MSVOA_N
ClientSampleId :
TP-10

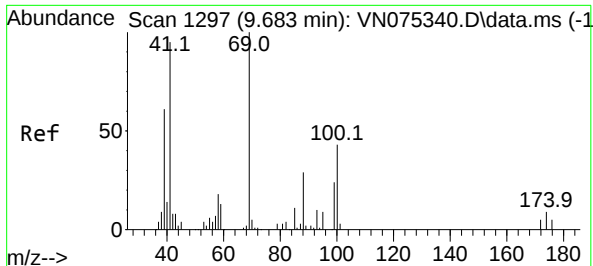
Tgt Ion: 43 Resp: 75999
Ion Ratio Lower Upper
43 100
61 21.6 22.4 33.6#
87 16.7 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.614 ug/l
RT: 9.736 min Scan# 1306
Delta R.T. 0.111 min
Lab File: VN075494.D
Acq: 30 Nov 2022 11:28

Tgt Ion: 63 Resp: 942
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 48.993 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.058 min

Lab File: VN075494.D

Acq: 30 Nov 2022 11:28

Instrument :

MSVOA_N

ClientSampleId :

TP-10

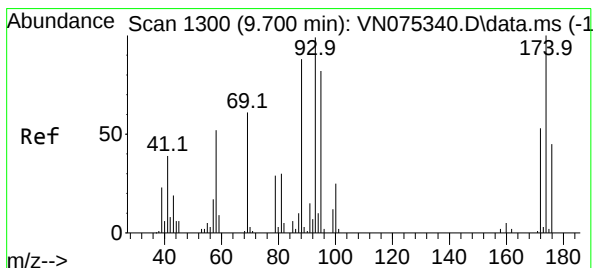
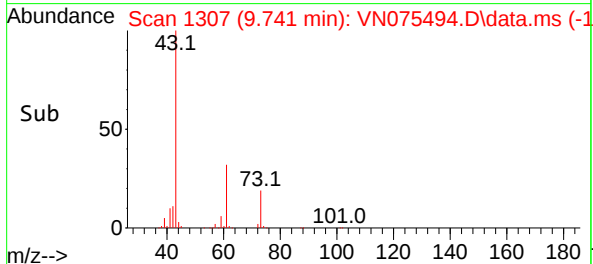
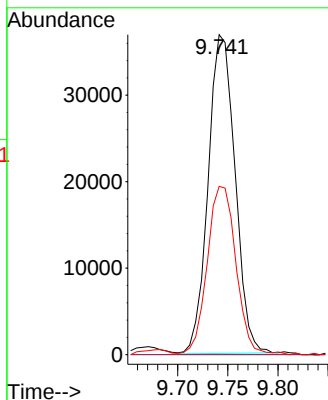
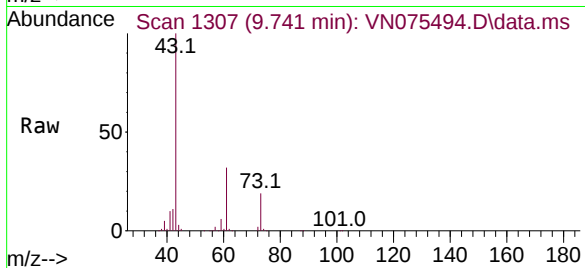
Tgt Ion: 41 Resp: 68851

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 56.4 56.2 84.2



#49

1,4-Dioxane

Concen: 1.403 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.041 min

Lab File: VN075494.D

Acq: 30 Nov 2022 11:28

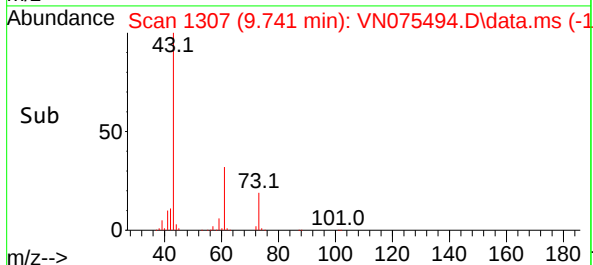
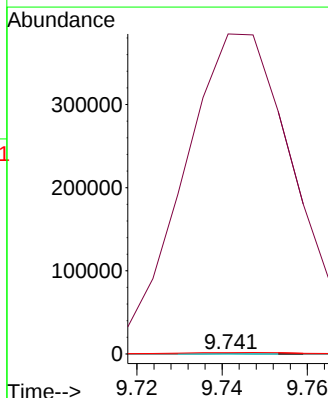
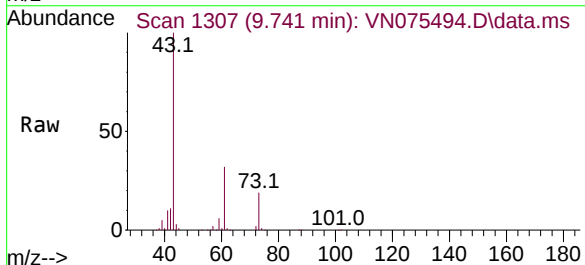
Tgt Ion: 88 Resp: 56

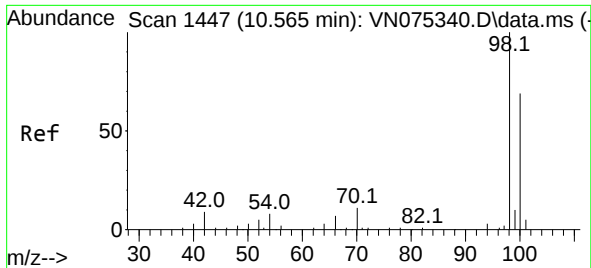
Ion Ratio Lower Upper

88 100

43 1282239.3 17.5 26.3#

58 6250.0 49.8 74.8#

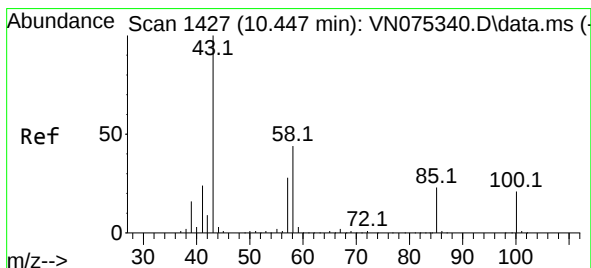
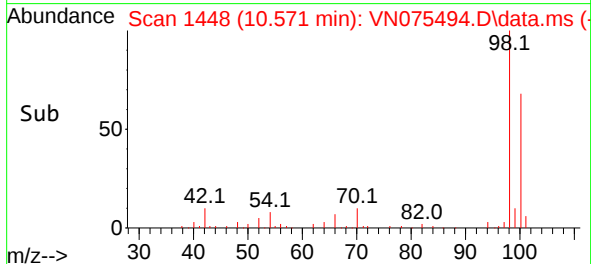
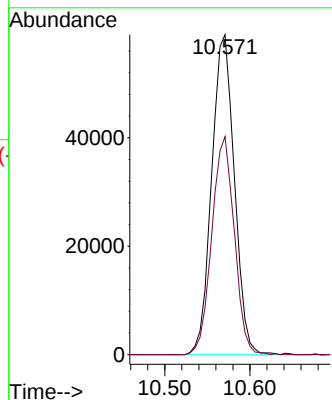
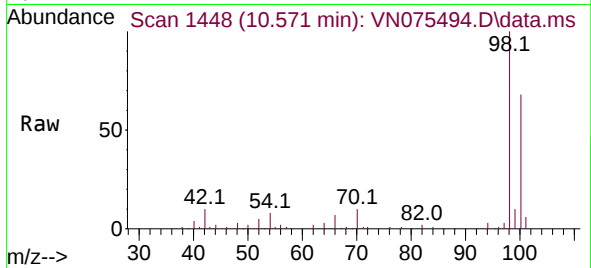




#50
Toluene-d8
Concen: 50.409 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075494.D
Acq: 30 Nov 2022 11:28

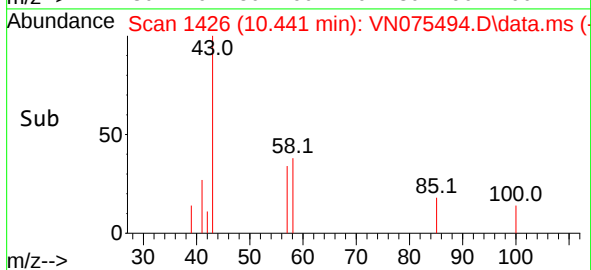
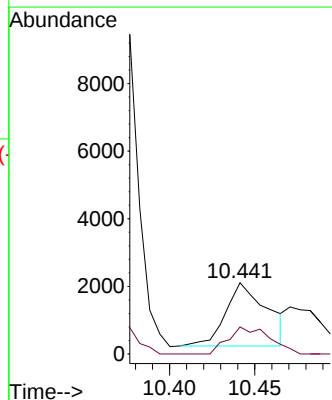
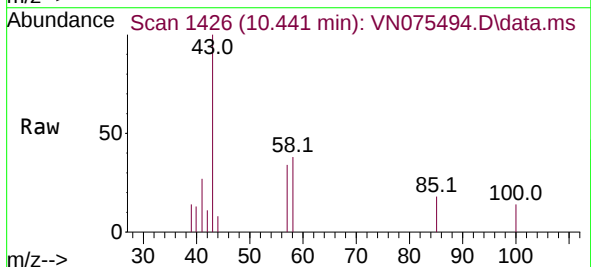
Instrument :
MSVOA_N
ClientSampleId :
TP-10

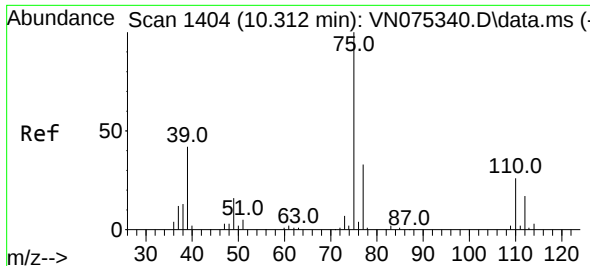
Tgt Ion: 98 Resp: 109478
Ion Ratio Lower Upper
98 100
100 67.5 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.623 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN075494.D
Acq: 30 Nov 2022 11:28

Tgt Ion: 43 Resp: 3141
Ion Ratio Lower Upper
43 100
58 43.2 33.6 50.4

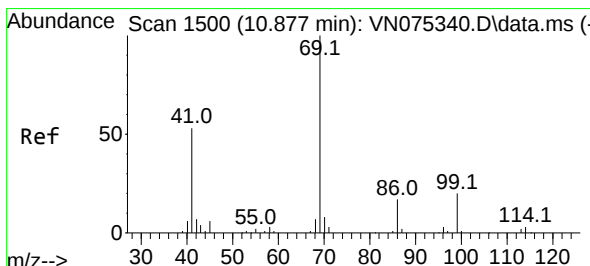
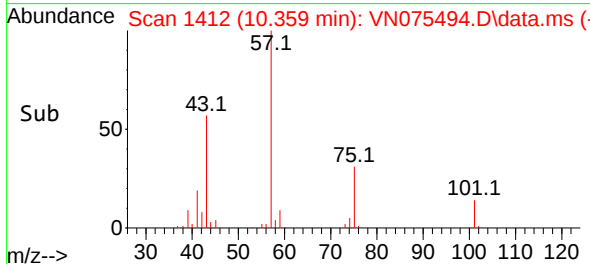
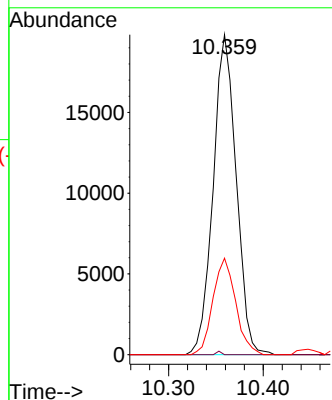
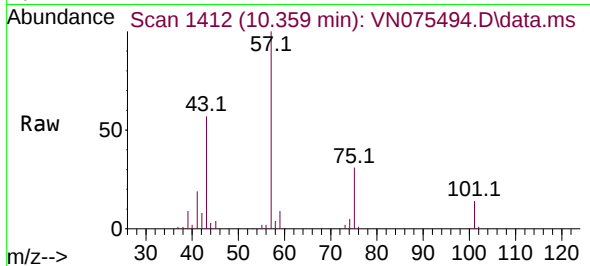




#54
 cis-1,3-Dichloropropene
 Concen: 13.686 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075494.D
 Acq: 30 Nov 2022 11:28

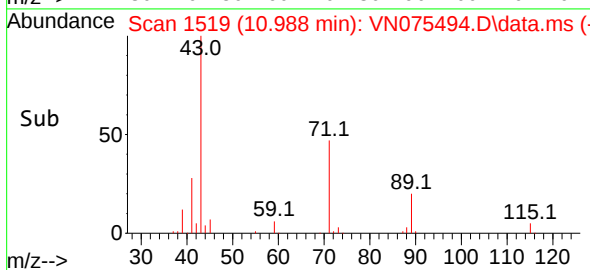
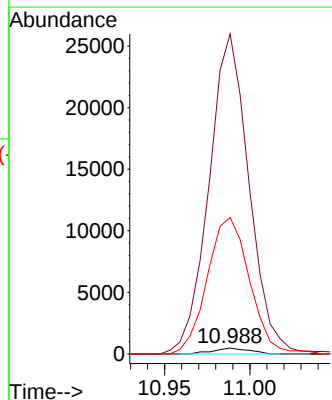
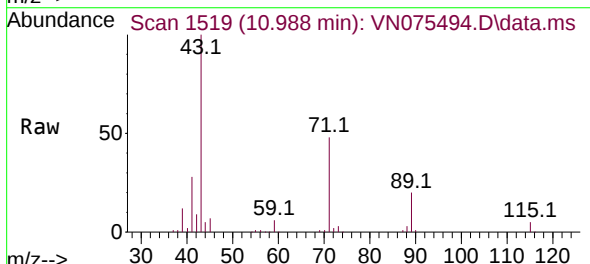
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

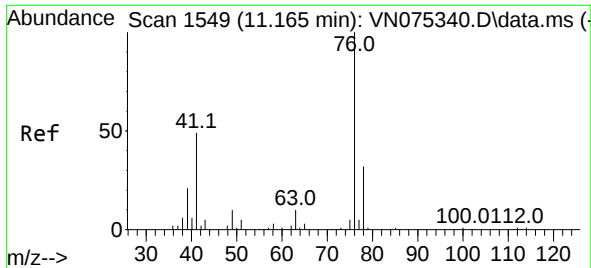
Tgt Ion: 75 Resp: 33536
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 30.1 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.308 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075494.D
 Acq: 30 Nov 2022 11:28

Tgt Ion: 69 Resp: 702
 Ion Ratio Lower Upper
 69 100
 41 6056.8 45.6 68.4#
 39 2731.5 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.444 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN075494.D

Acq: 30 Nov 2022 11:28

Instrument :

MSVOA_N

ClientSampleId :

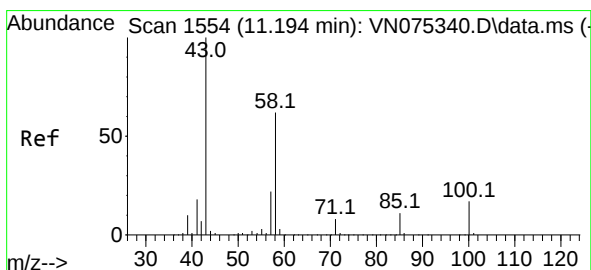
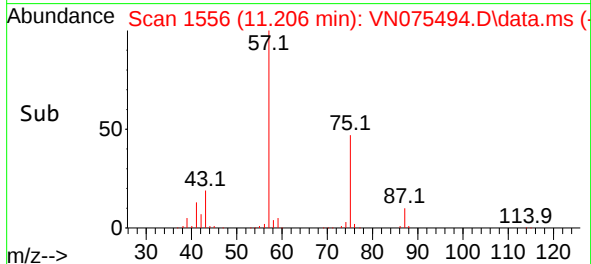
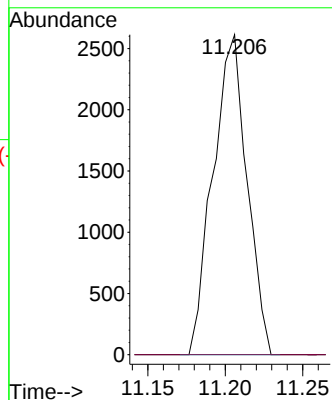
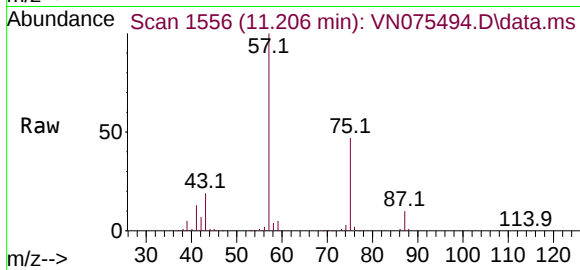
TP-10

Tgt Ion: 76 Resp: 3980

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 32.746 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN075494.D

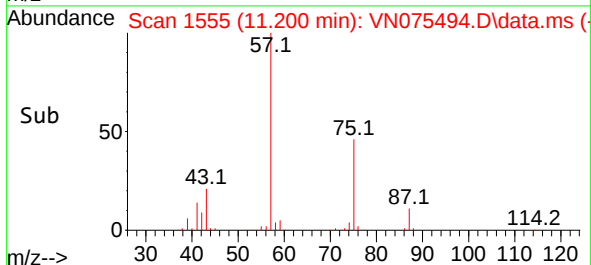
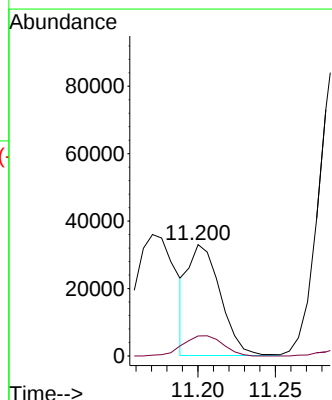
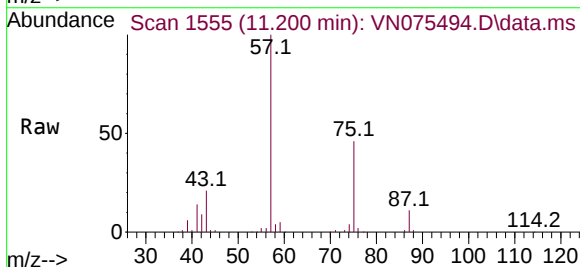
Acq: 30 Nov 2022 11:28

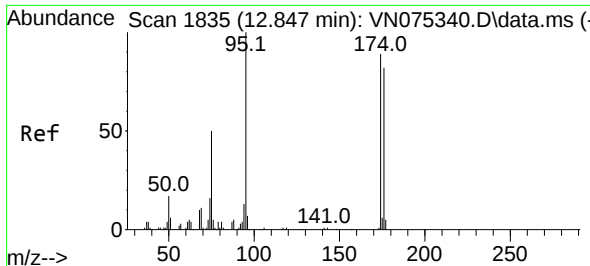
Tgt Ion: 43 Resp: 47599

Ion Ratio Lower Upper

43 100

58 22.6 29.6 88.8#

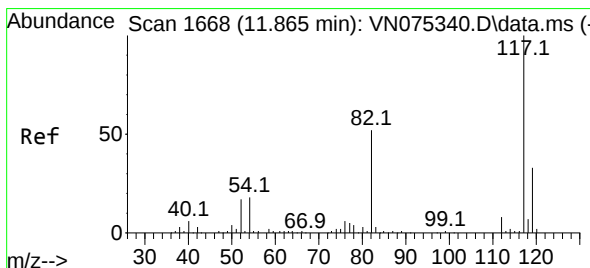
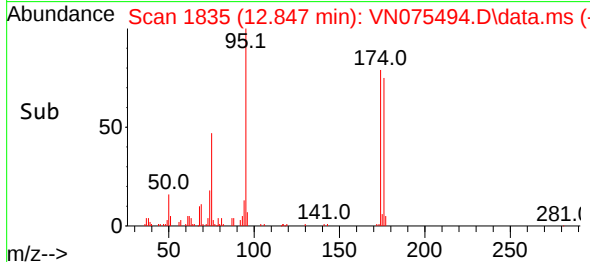
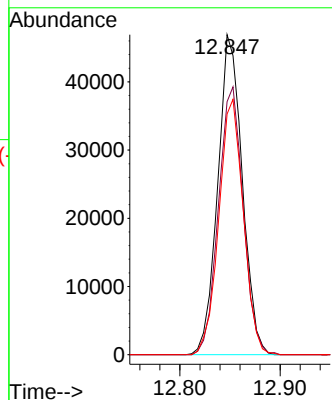
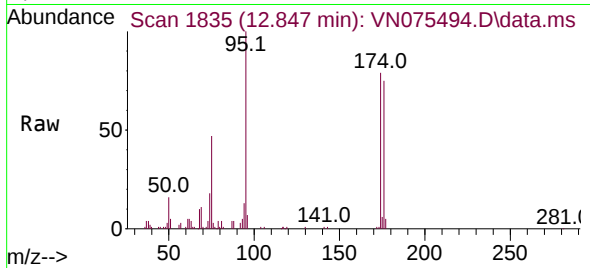




#62
4-Bromofluorobenzene
Concen: 49.666 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.000 min
Lab File: VN075494.D
Acq: 30 Nov 2022 11:28

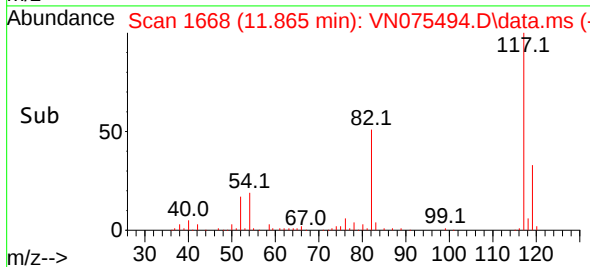
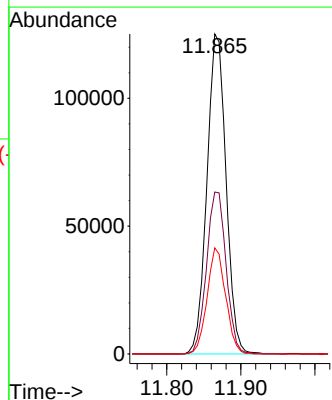
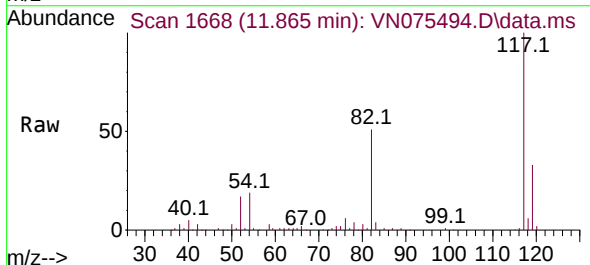
Instrument :
MSVOA_N
ClientSampleId :
TP-10

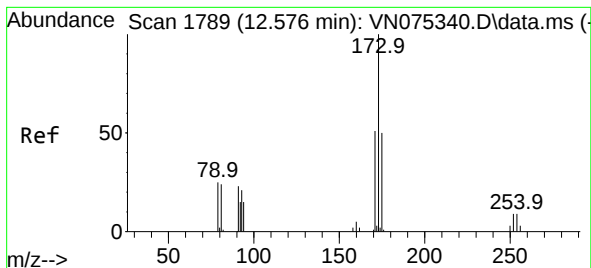
Tgt Ion: 95 Resp: 79616
Ion Ratio Lower Upper
95 100
174 84.2 0.0 147.4
176 79.8 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN075494.D
Acq: 30 Nov 2022 11:28

Tgt Ion: 117 Resp: 224266
Ion Ratio Lower Upper
117 100
82 50.6 43.1 64.7
119 33.2 25.5 38.3





#71

Bromoform

Concen: 0.372 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.271 min

Lab File: VN075494.D

Acq: 30 Nov 2022 11:28

Instrument :

MSVOA_N

ClientSampleId :

TP-10

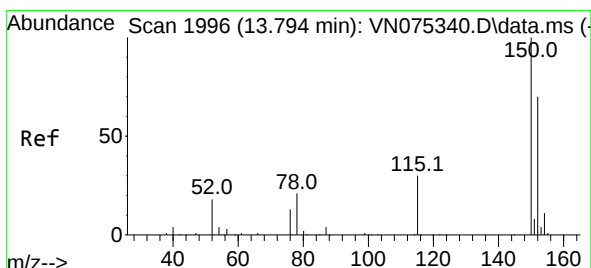
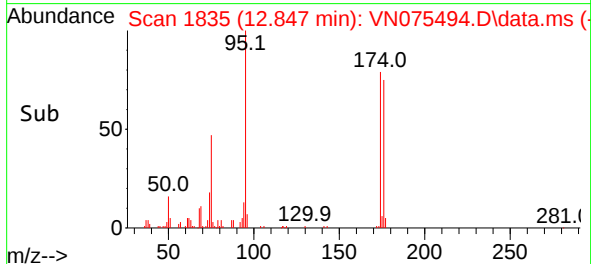
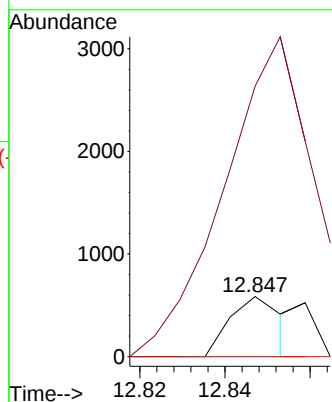
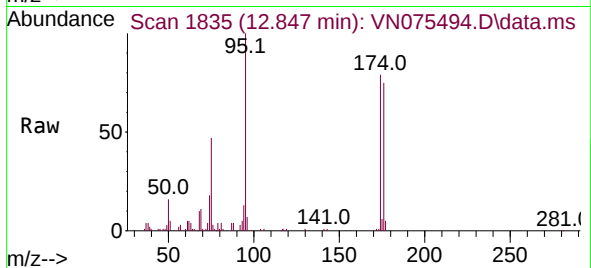
Tgt Ion:173 Resp: 490

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

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: VN075494.D

Acq: 30 Nov 2022 11:28

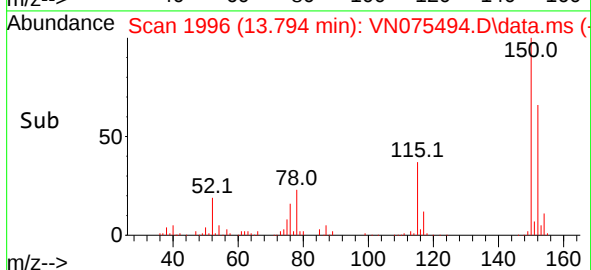
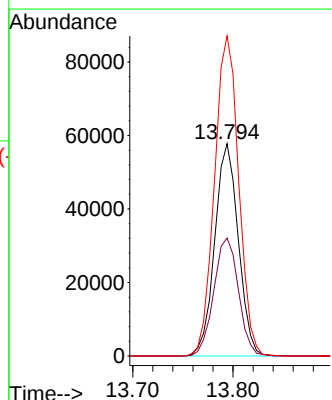
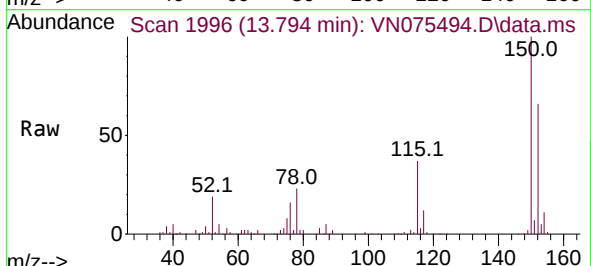
Tgt Ion:152 Resp: 94130

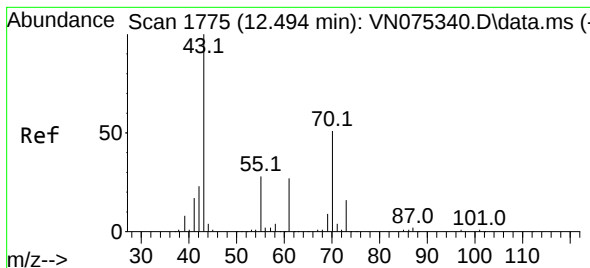
Ion Ratio Lower Upper

152 100

115 58.2 30.2 90.6

150 154.9 0.0 348.4





#74

N-amy1 acetate

Concen: 0.311 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN075494.D

Acq: 30 Nov 2022 11:28

Instrument :

MSVOA_N

ClientSampleId :

TP-10

Tgt Ion: 43 Resp: 658

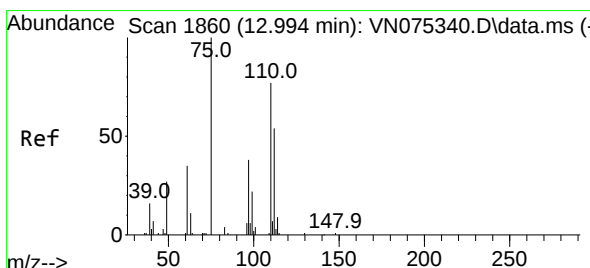
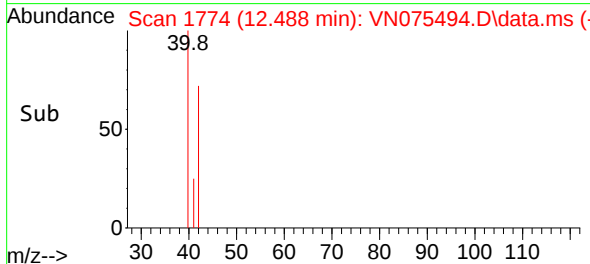
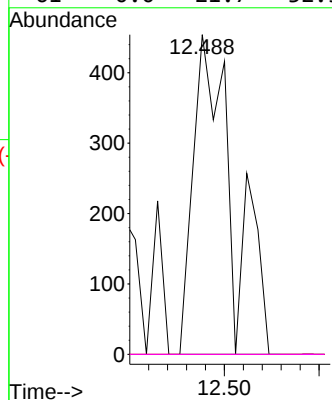
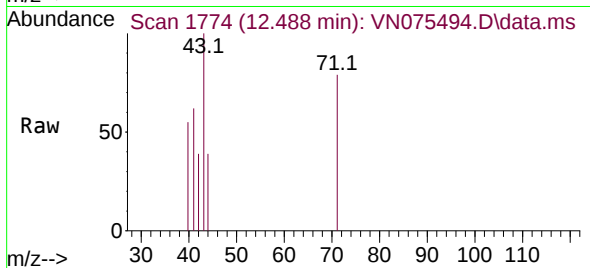
Ion Ratio Lower Upper

43 100

70 0.0 39.8 59.8#

55 0.0 19.9 29.9#

61 0.0 21.7 32.5#



#76

1,2,3-Trichloropropane

Concen: 22.402 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075494.D

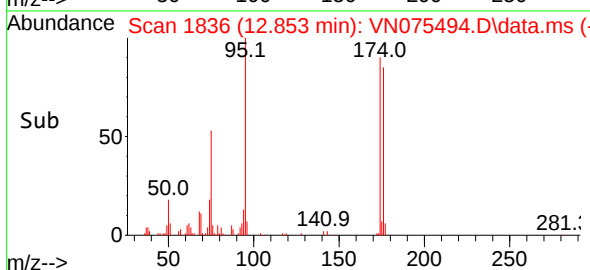
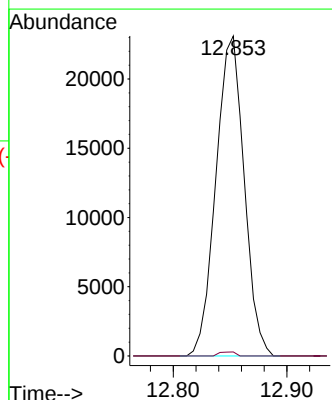
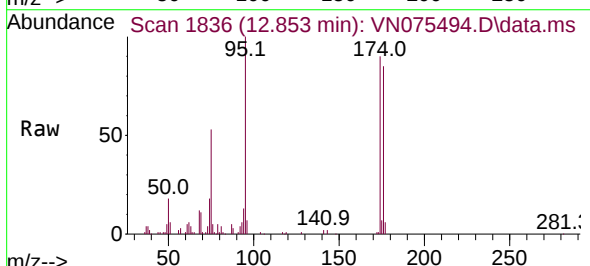
Acq: 30 Nov 2022 11:28

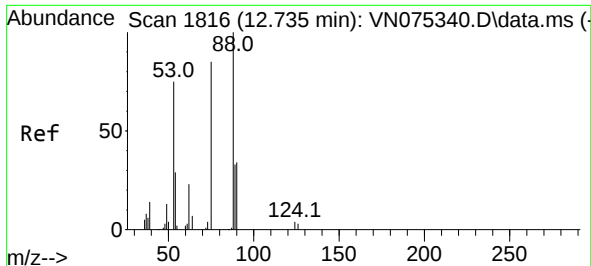
Tgt Ion: 75 Resp: 39870

Ion Ratio Lower Upper

75 100

77 0.7 75.6 226.8#

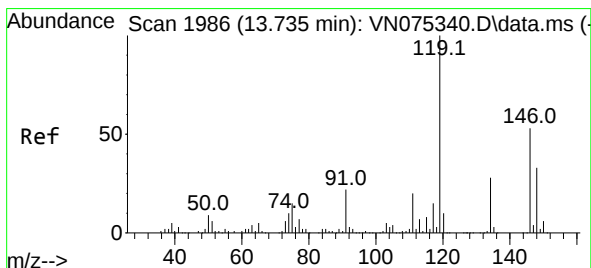
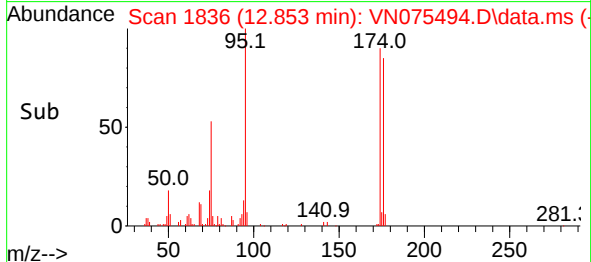
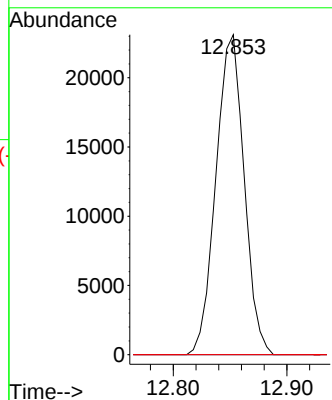
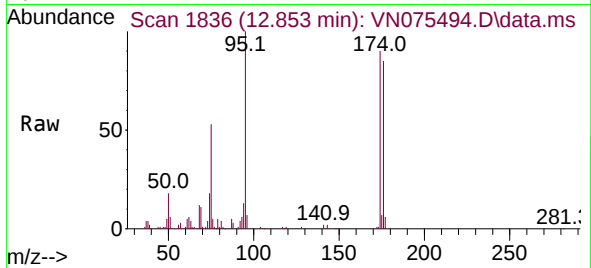




#81
trans-1,4-Dichloro-2-butene
Concen: 66.282 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075494.D
Acq: 30 Nov 2022 11:28

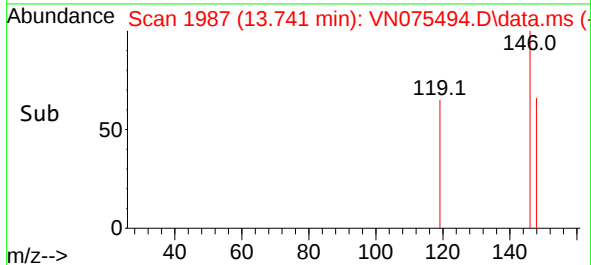
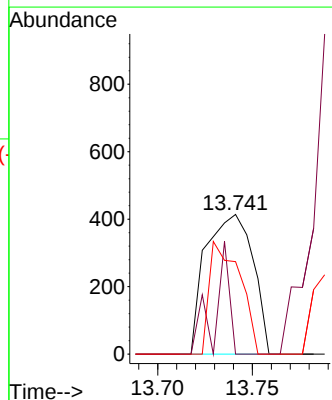
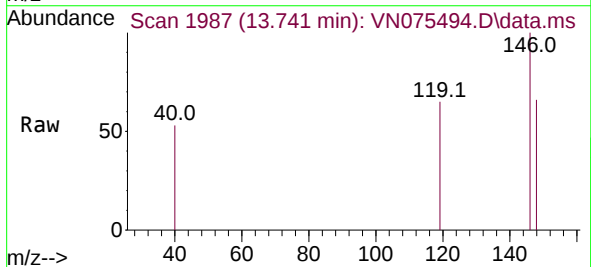
Instrument :
MSVOA_N
ClientSampleId :
TP-10

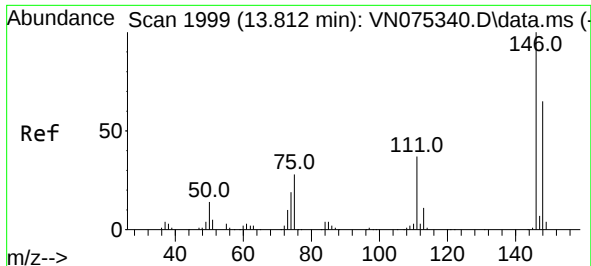
Tgt Ion: 75 Resp: 39870
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#87
1,3-Dichlorobenzene
Concen: 0.224 ug/l
RT: 13.741 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN075494.D
Acq: 30 Nov 2022 11:28

Tgt Ion: 146 Resp: 719
Ion Ratio Lower Upper
146 100
111 25.0 20.8 62.5
148 52.2 31.1 93.5

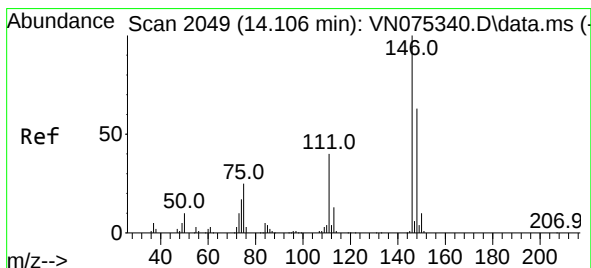
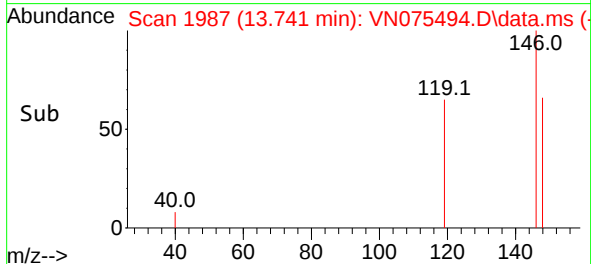
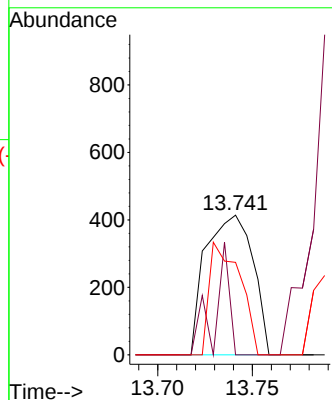
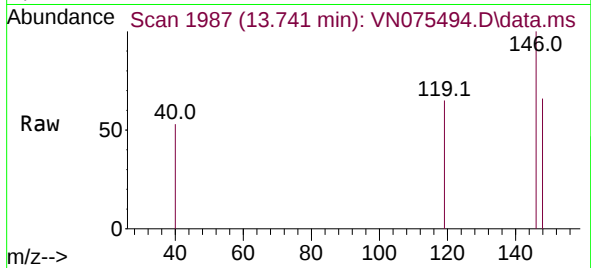




#88
 1,4-Dichlorobenzene
 Concen: 0.220 ug/l
 RT: 13.741 min Scan# 1999
 Delta R.T. -0.071 min
 Lab File: VN075494.D
 Acq: 30 Nov 2022 11:28

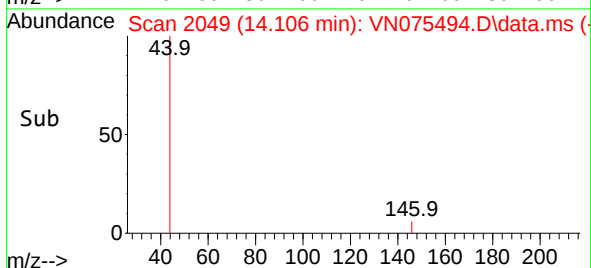
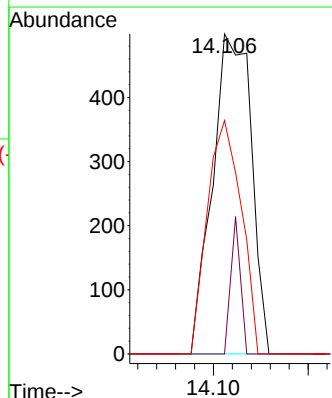
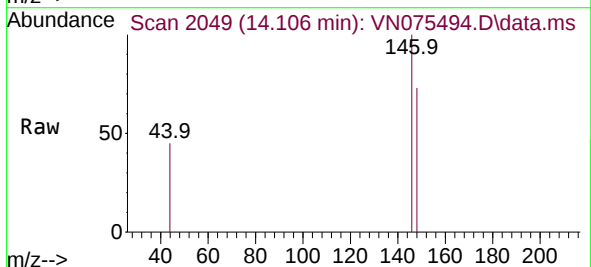
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

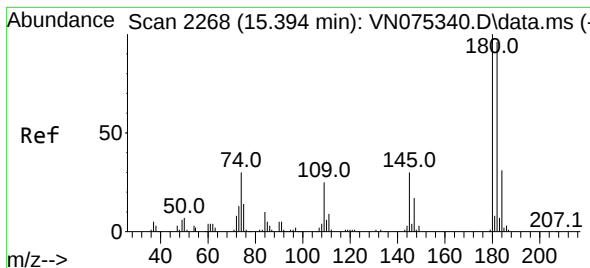
Tgt Ion:146 Resp: 719
 Ion Ratio Lower Upper
 146 100
 111 25.0 20.1 60.3
 148 52.2 31.9 95.7



#91
 1,2-Dichlorobenzene
 Concen: 0.226 ug/l
 RT: 14.106 min Scan# 2049
 Delta R.T. -0.000 min
 Lab File: VN075494.D
 Acq: 30 Nov 2022 11:28

Tgt Ion:146 Resp: 708
 Ion Ratio Lower Upper
 146 100
 111 10.7 21.3 63.9#
 148 64.0 31.4 94.2





#93

1,2,4-Trichlorobenzene

Concen: 0.599 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN075494.D

Acq: 30 Nov 2022 11:28

Instrument :

MSVOA_N

ClientSampleId :

TP-10

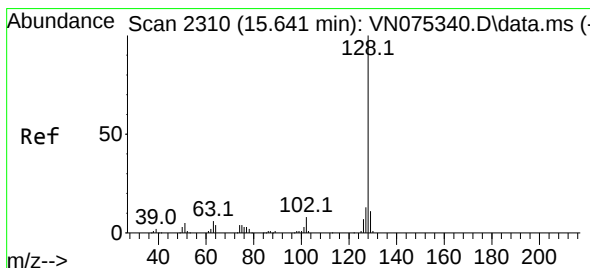
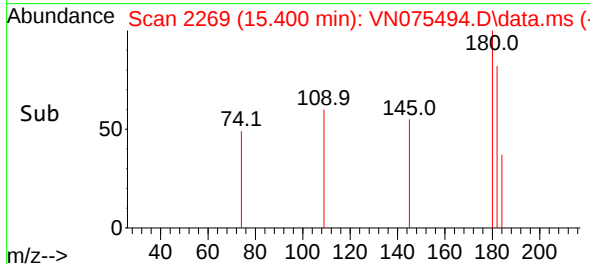
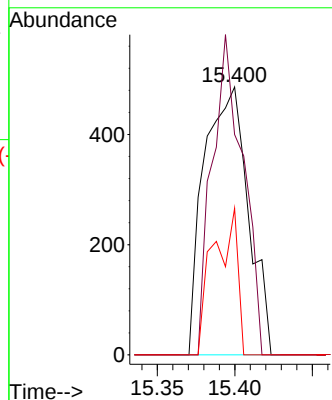
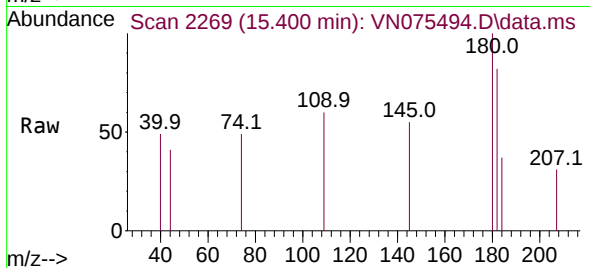
Tgt Ion:180 Resp: 962

Ion Ratio Lower Upper

180 100

182 83.2 47.8 143.4

145 30.0 16.8 50.3



#95

Naphthalene

Concen: 0.982 ug/l

RT: 15.653 min Scan# 2312

Delta R.T. 0.012 min

Lab File: VN075494.D

Acq: 30 Nov 2022 11:28

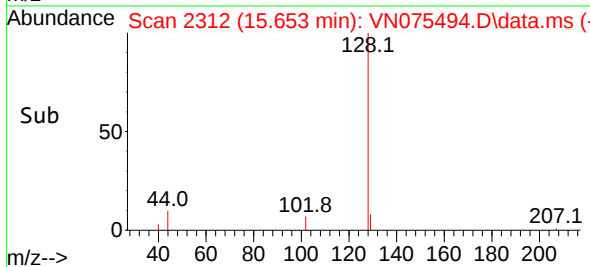
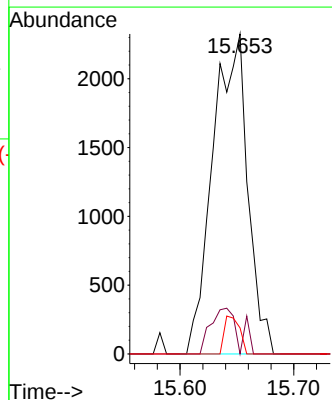
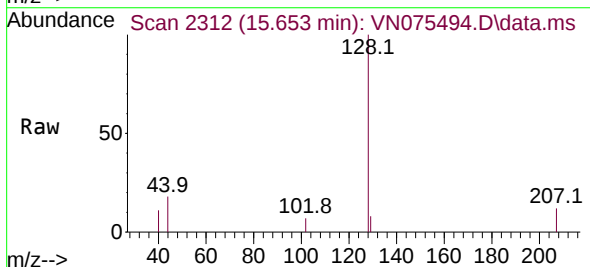
Tgt Ion:128 Resp: 4964

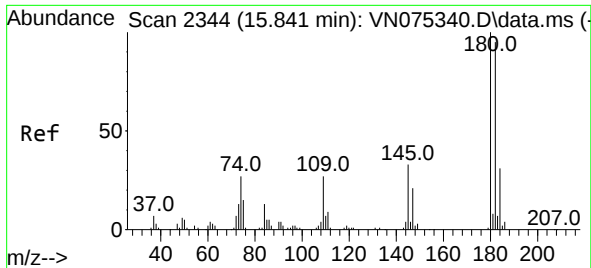
Ion Ratio Lower Upper

128 100

127 11.5 10.4 15.6

129 5.2 8.6 12.8#





#96

1,2,3-Trichlorobenzene

Concen: 0.657 ug/l

RT: 15.835 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN075494.D

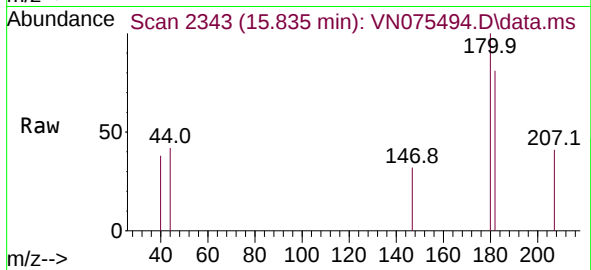
Acq: 30 Nov 2022 11:28

Instrument :

MSVOA_N

ClientSampleId :

TP-10



Tgt Ion:180 Resp: 1038

Ion Ratio Lower Upper

180 100

182 0.0 47.3 141.8#

145 6.6 17.6 52.9#

