

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110722\
 Data File : VN075198.D
 Acq On : 07 Nov 2022 19:23
 Operator : JC\MD
 Sample : N5491-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Quant Time: Nov 08 01:13:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

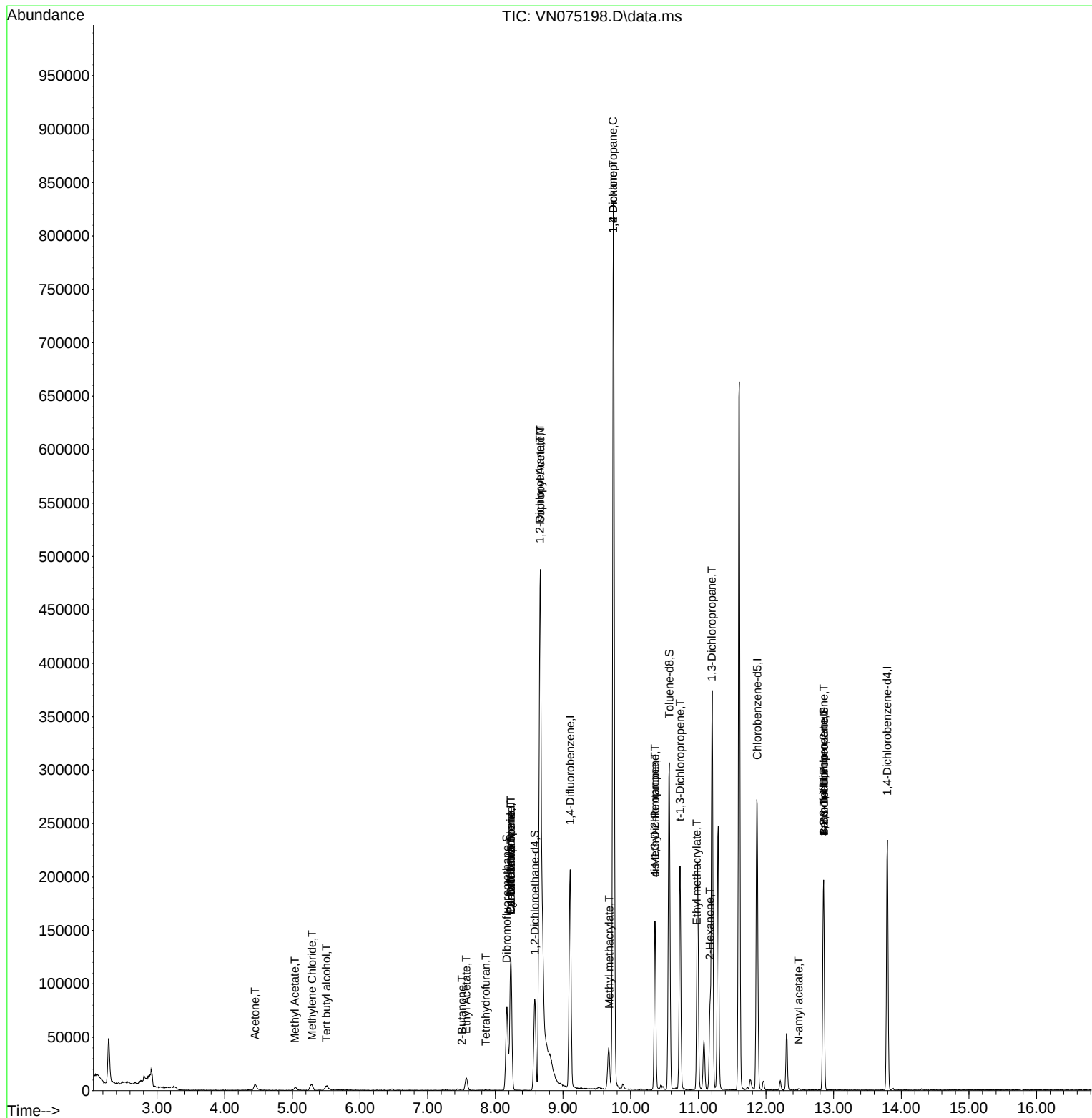
Internal Standards						
1) Pentafluorobenzene	8.230	168	85253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	177195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	164652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	62198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	70203	61.116	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 122.240%	
35) Dibromofluoromethane	8.171	113	55348	53.208	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.420%	
50) Toluene-d8	10.571	98	211853	52.494	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.980%	
62) 4-Bromofluorobenzene	12.853	95	68995	48.667	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.340%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.918	94	57	Below Cal	#	73
11) Tert butyl alcohol	5.500	59	3951	14.749	ug/l #	72
16) Acetone	4.448	43	11419	23.477	ug/l #	88
18) Methyl Acetate	5.036	43	5575	3.509	ug/l	94
20) Methylene Chloride	5.289	84	4932	4.548	ug/l #	79
25) 2-Butanone	7.506	43	1862	2.434	ug/l #	76
29) Tetrahydrofuran	7.859	42	463	0.937	ug/l #	50
31) Cyclohexane	8.230	56	2147	1.257	ug/l #	57
36) 1,1-Dichloropropene	8.230	75	8095	5.027	ug/l #	49
37) Ethyl Acetate	7.571	43	17342	9.819	ug/l	98
38) Carbon Tetrachloride	8.230	117	9845	5.557	ug/l #	12
42) 1,2-Dichloroethane	8.659	62	722	0.402	ug/l #	75
43) Isopropyl Acetate	8.665	43	610968	223.019	ug/l #	53
45) 1,2-Dichloropropane	9.741	63	1057	0.901	ug/l #	42
48) Methyl methacrylate	9.683	41	2210	1.759	ug/l #	34
49) 1,4-Dioxane	9.741	88	62	1.884	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	57430	32.486	ug/l #	43
53) t-1,3-Dichloropropene	10.730	75	489	0.262	ug/l #	83
54) cis-1,3-Dichloropropene	10.359	75	30104	15.188	ug/l #	62
56) Ethyl methacrylate	10.977	69	950	0.477	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4091	1.880	ug/l #	42
59) 2-Hexanone	11.171	43	59468	44.322	ug/l #	21
71) Bromoform	12.853	173	609	0.624	ug/l #	1
74) N-amyl acetate	12.482	43	622	0.337	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	36745	27.824	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	36745	71.424	ug/l #	10

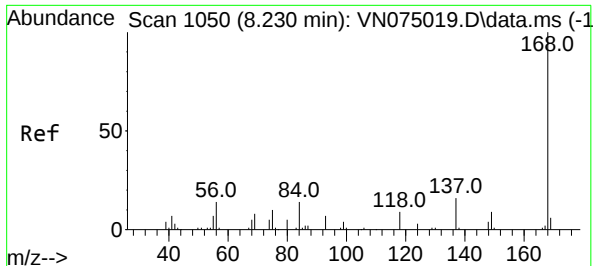
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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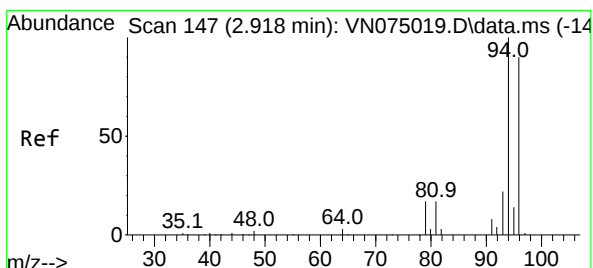
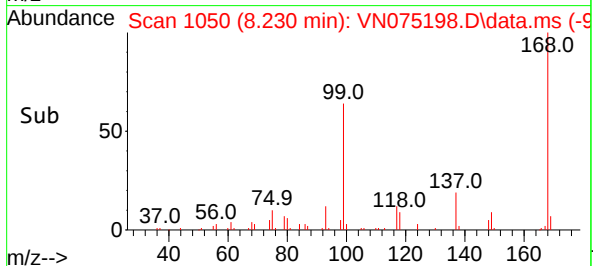
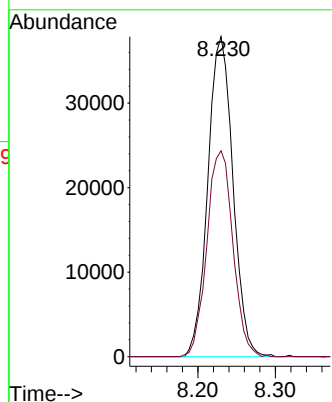
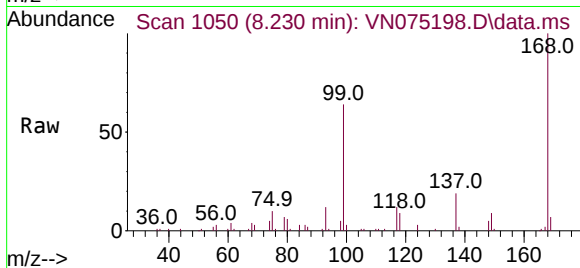




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

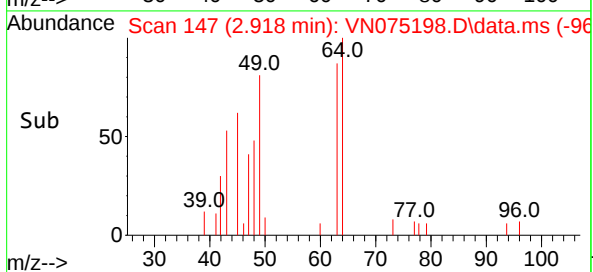
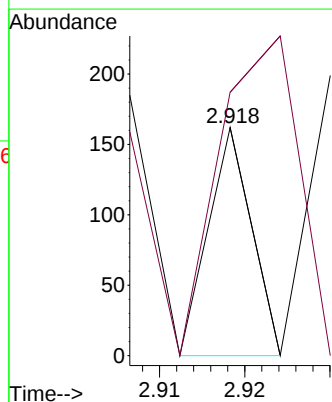
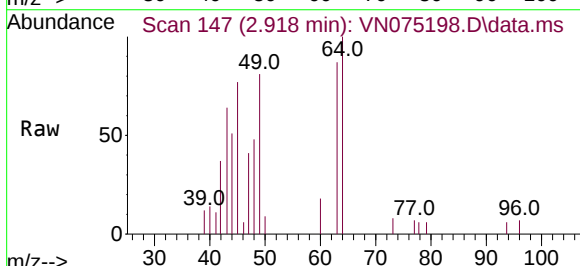
Instrument :
MSVOA_N
ClientSampleId :
TP-4

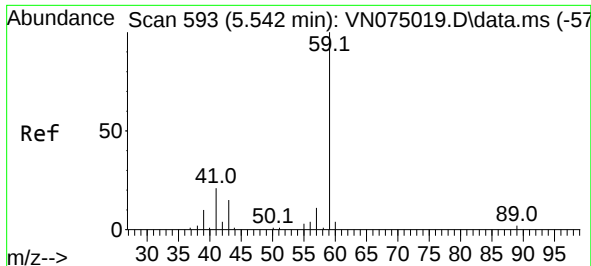
Tgt Ion:168 Resp: 85253
Ion Ratio Lower Upper
168 100
99 64.3 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

Tgt Ion: 94 Resp: 57
Ion Ratio Lower Upper
94 100
96 115.4 71.8 107.6#

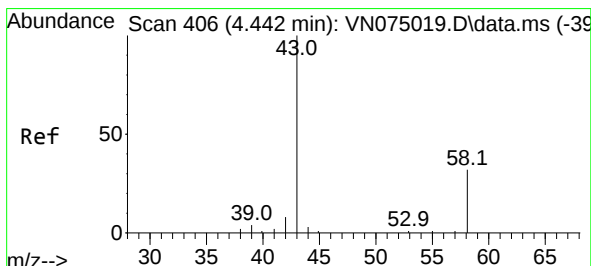
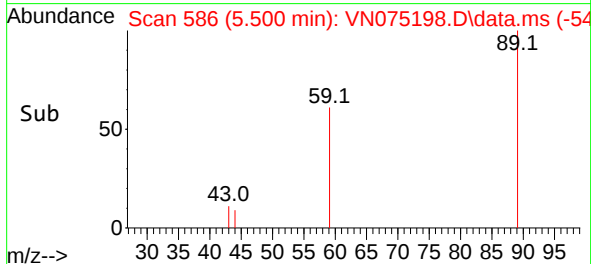
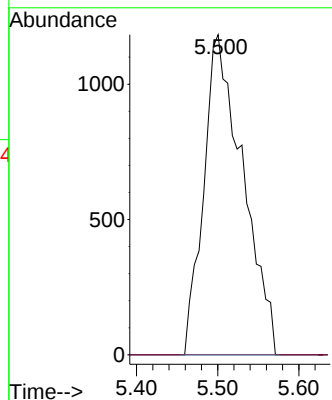
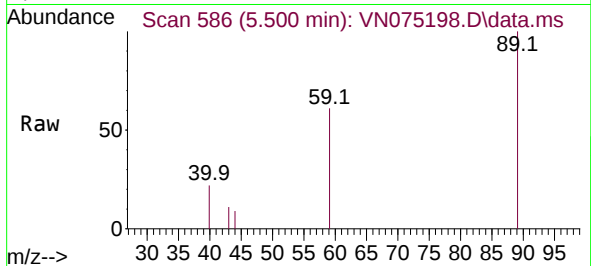




#11
Tert butyl alcohol
Concen: 14.749 ug/l
RT: 5.500 min Scan# 59
Delta R.T. -0.042 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

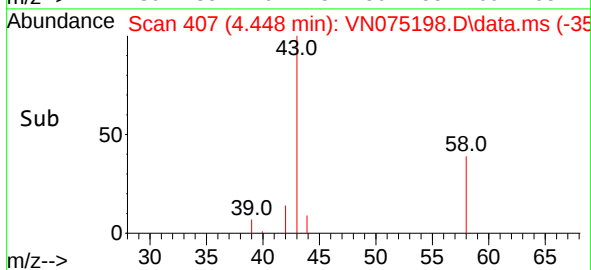
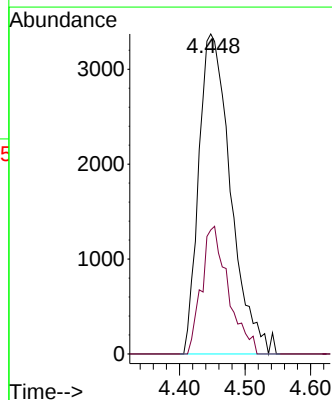
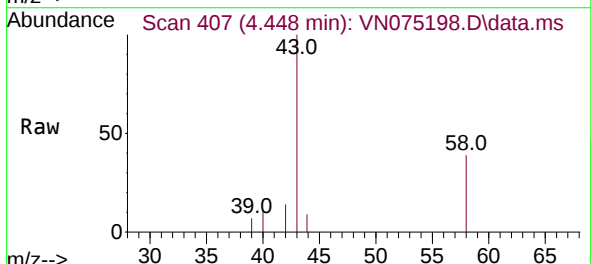
Instrument :
MSVOA_N
ClientSampleId :
TP-4

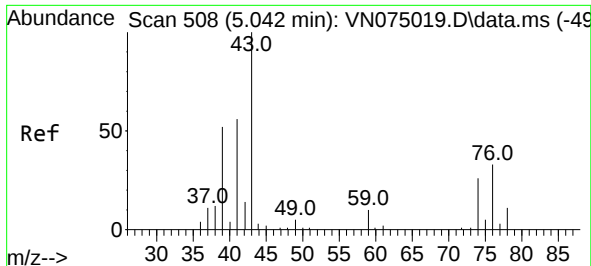
Tgt Ion: 59 Resp: 3951
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 23.477 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

Tgt Ion: 43 Resp: 11419
Ion Ratio Lower Upper
43 100
58 38.8 25.5 38.3#

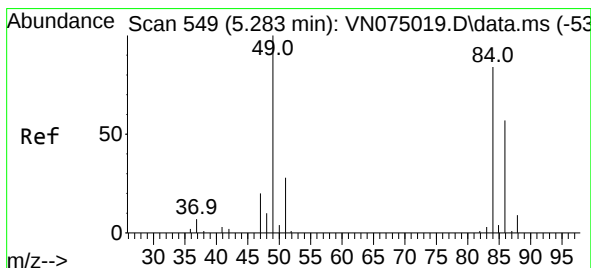
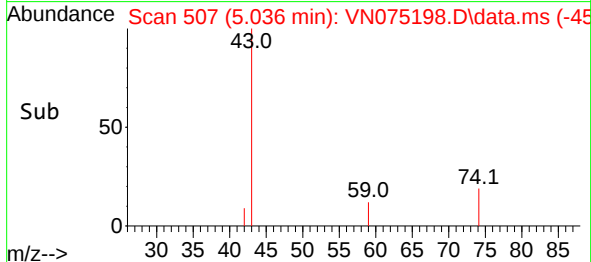
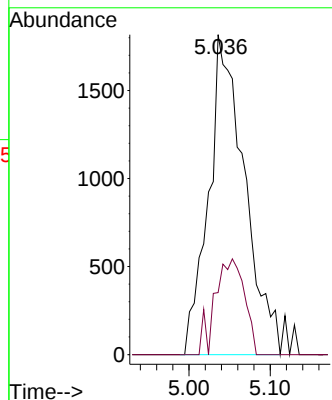
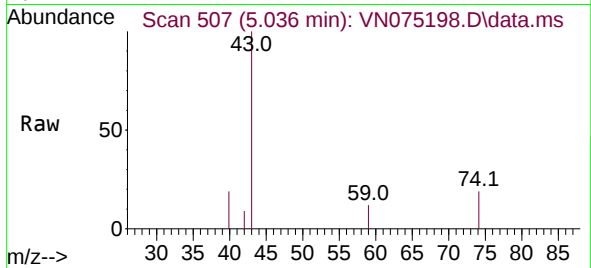




#18
Methyl Acetate
Concen: 3.509 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.006 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

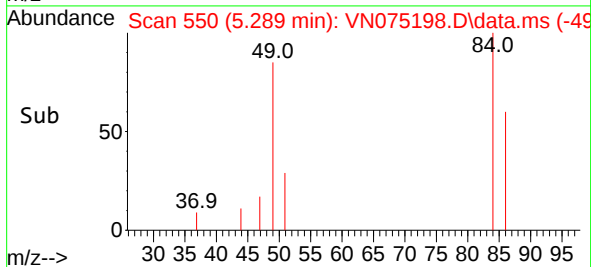
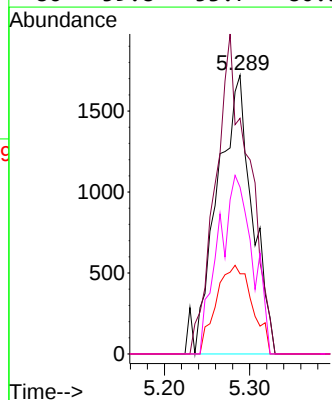
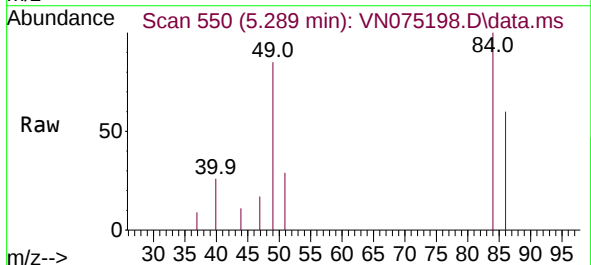
Instrument :
MSVOA_N
ClientSampleId :
TP-4

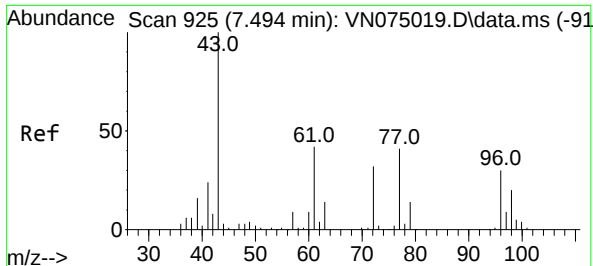
Tgt Ion: 43 Resp: 5575
Ion Ratio Lower Upper
43 100
74 24.5 22.0 33.0



#20
Methylene Chloride
Concen: 4.548 ug/l
RT: 5.289 min Scan# 550
Delta R.T. 0.006 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

Tgt Ion: 84 Resp: 4932
Ion Ratio Lower Upper
84 100
49 84.5 94.9 142.3#
51 28.8 26.8 40.2
86 59.8 53.7 80.5





#25

2-Butanone

Concen: 2.434 ug/l

RT: 7.506 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN075198.D

Acq: 07 Nov 2022 19:23

Instrument :

MSVOA_N

ClientSampleId :

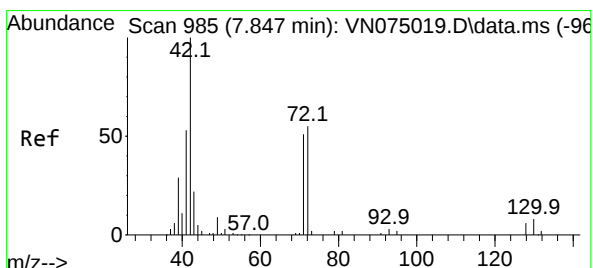
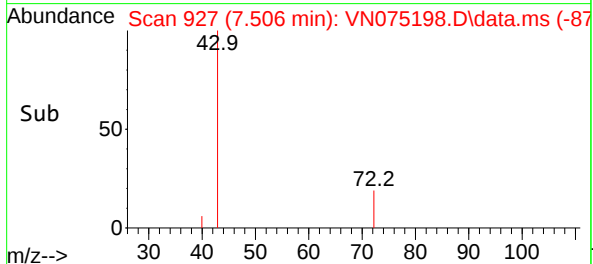
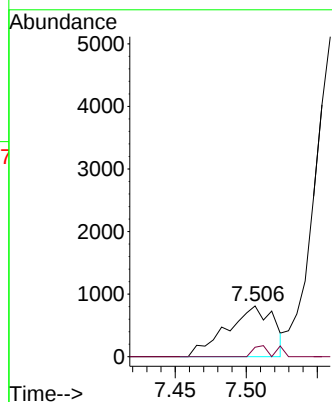
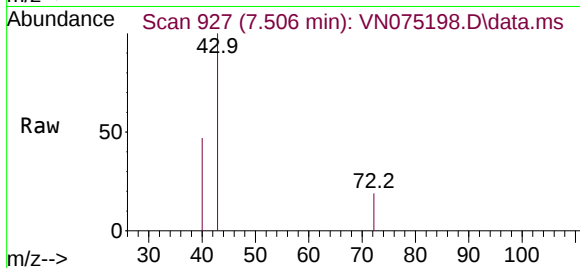
TP-4

Tgt Ion: 43 Resp: 1862

Ion Ratio Lower Upper

43 100

72 18.7 25.5 38.3#



#29

Tetrahydrofuran

Concen: 0.937 ug/l

RT: 7.859 min Scan# 987

Delta R.T. 0.012 min

Lab File: VN075198.D

Acq: 07 Nov 2022 19:23

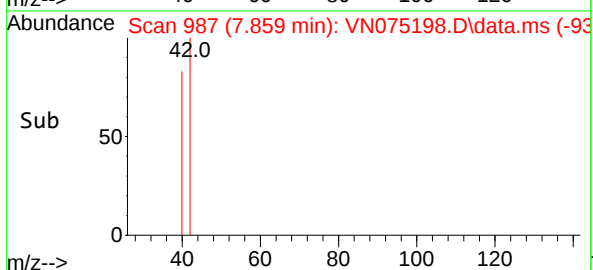
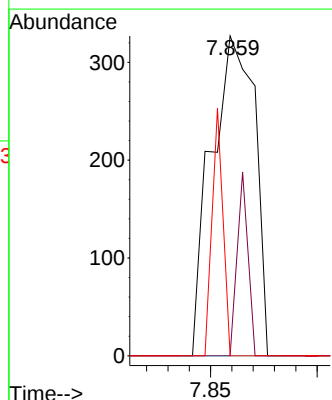
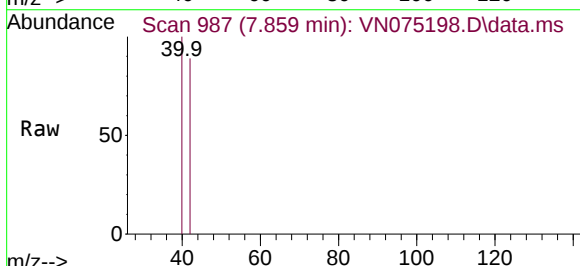
Tgt Ion: 42 Resp: 463

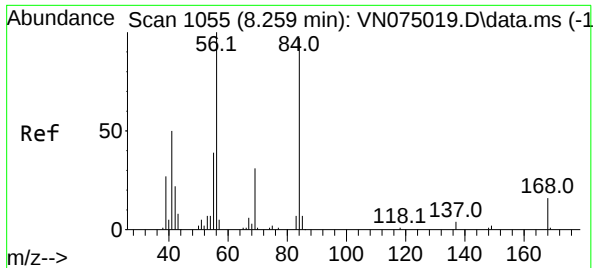
Ion Ratio Lower Upper

42 100

72 14.3 43.0 64.6#

71 19.2 39.9 59.9#

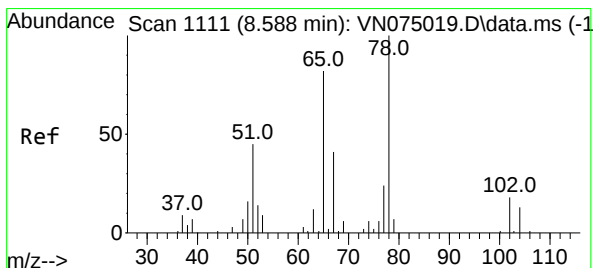
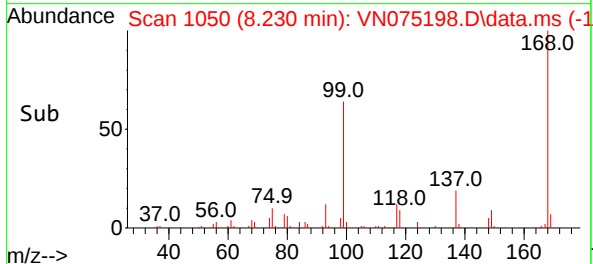
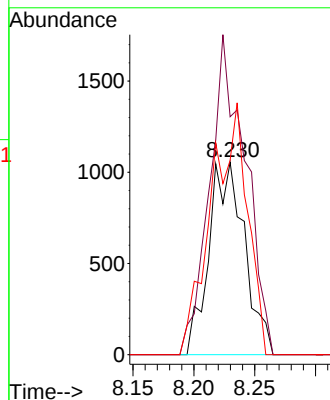
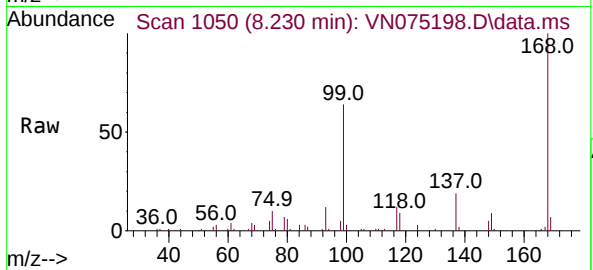




#31
Cyclohexane
Concen: 1.257 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.029 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

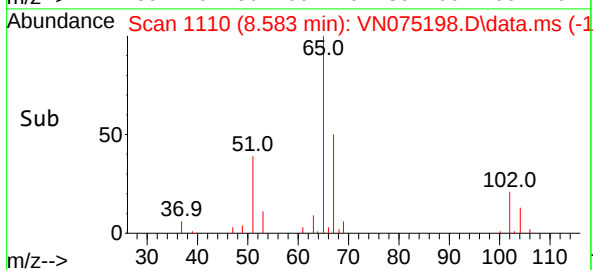
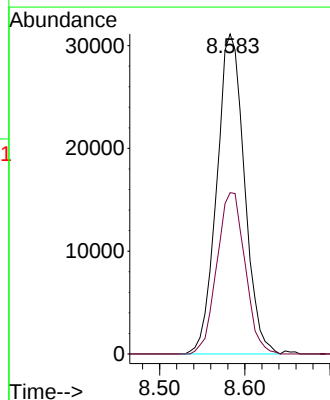
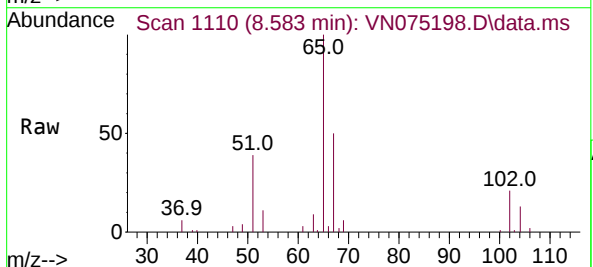
Instrument :
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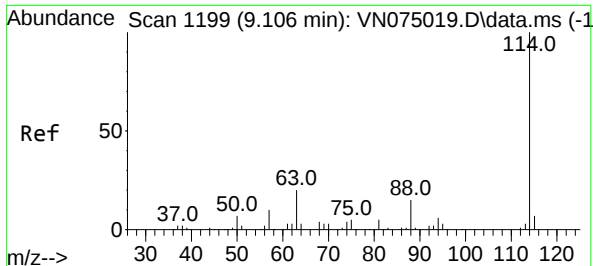
Tgt Ion: 56 Resp: 2147
Ion Ratio Lower Upper
56 100
69 123.6 25.2 37.8#
84 100.9 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 61.116 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

Tgt Ion: 65 Resp: 70203
Ion Ratio Lower Upper
65 100
67 51.4 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: VN075198.D

Acq: 07 Nov 2022 19:23

Instrument :

MSVOA_N

ClientSampleId :

TP-4

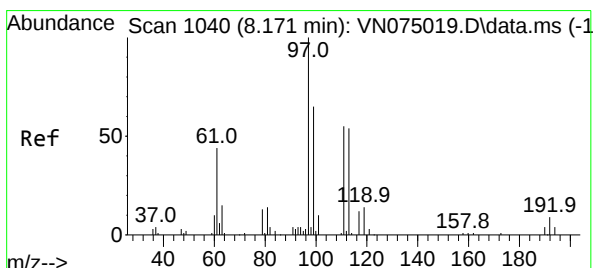
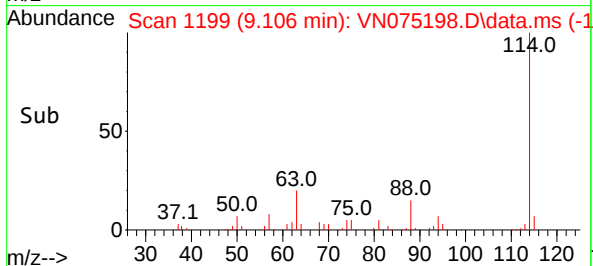
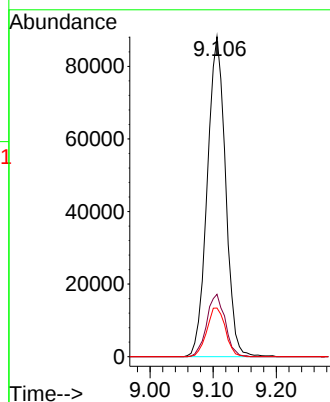
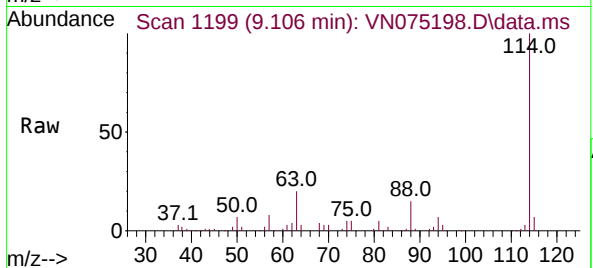
Tgt Ion:114 Resp: 177195

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 15.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 53.208 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075198.D

Acq: 07 Nov 2022 19:23

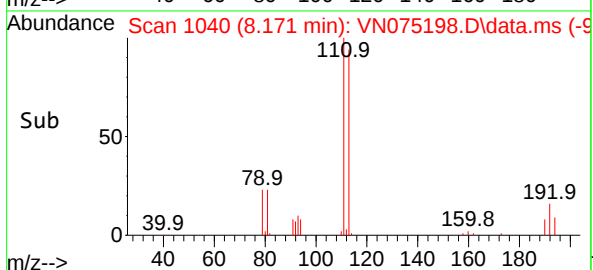
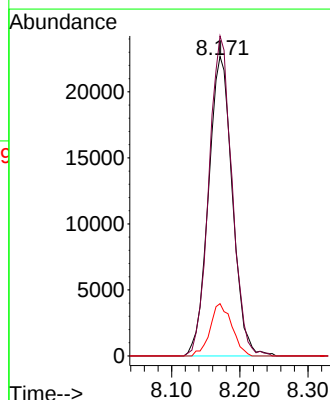
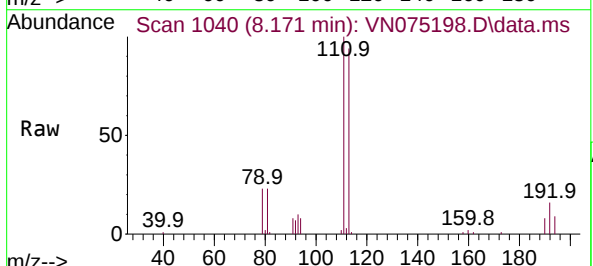
Tgt Ion:113 Resp: 55348

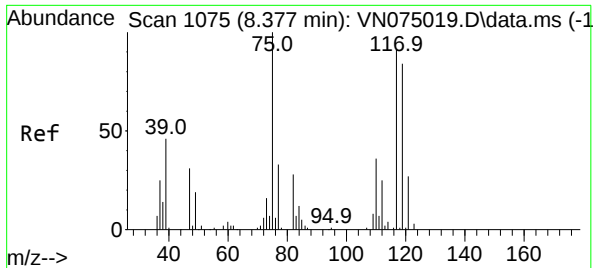
Ion Ratio Lower Upper

113 100

111 103.0 80.5 120.7

192 15.9 13.2 19.8

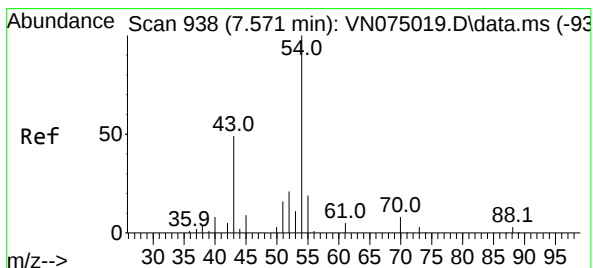
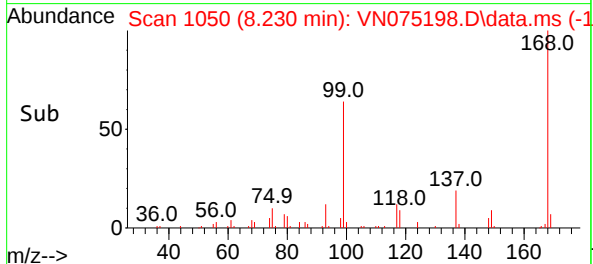
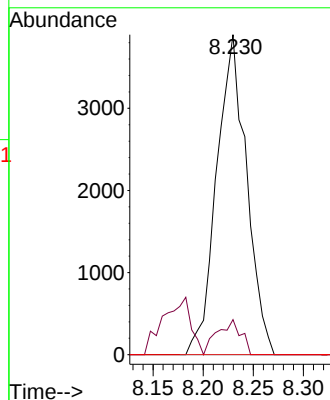
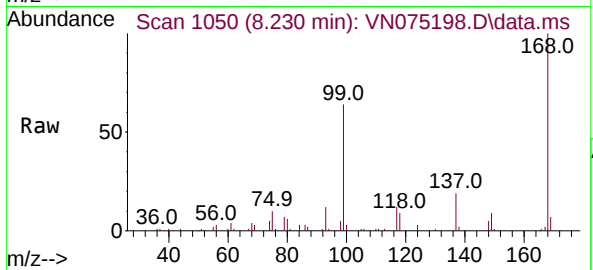




#36
1,1-Dichloropropene
Concen: 5.027 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

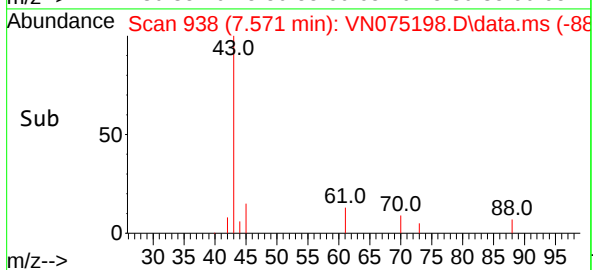
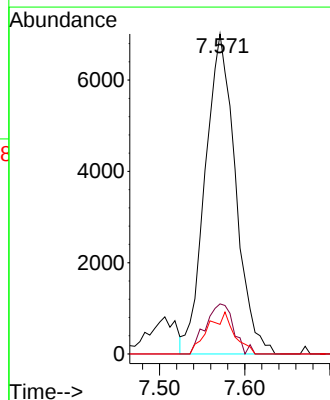
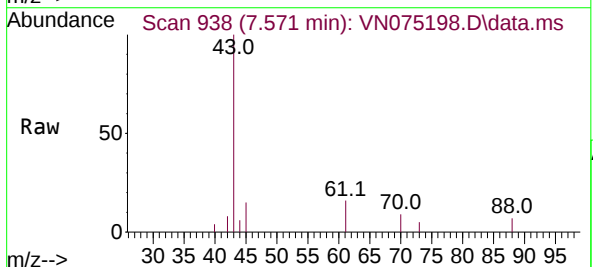
Instrument :
MSVOA_N
ClientSampleId :
TP-4

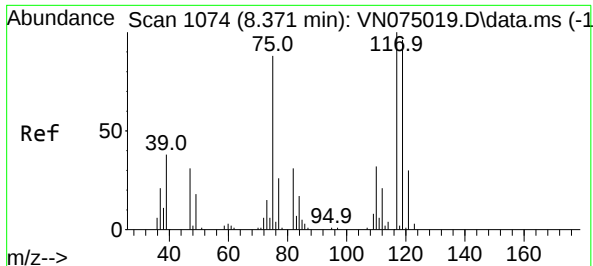
Tgt Ion: 75 Resp: 8095
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 9.819 ug/l
RT: 7.571 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

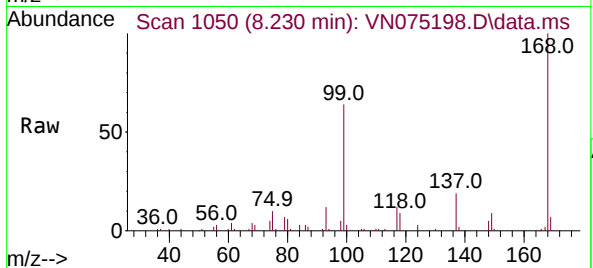
Tgt Ion: 43 Resp: 17342
Ion Ratio Lower Upper
43 100
61 14.5 12.2 18.4
70 11.3 9.4 14.2



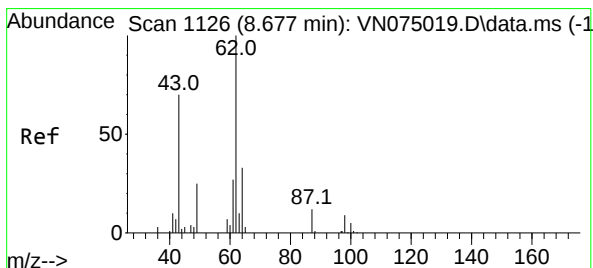
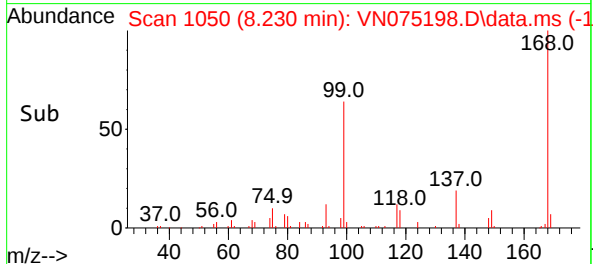
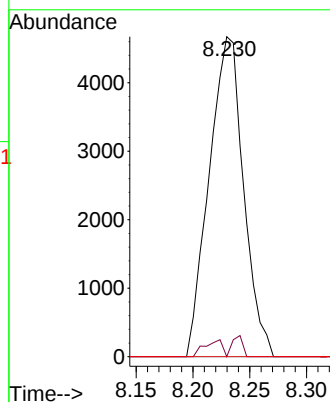


#38
Carbon Tetrachloride
Concen: 5.557 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

Instrument :
MSVOA_N
ClientSampleId :
TP-4

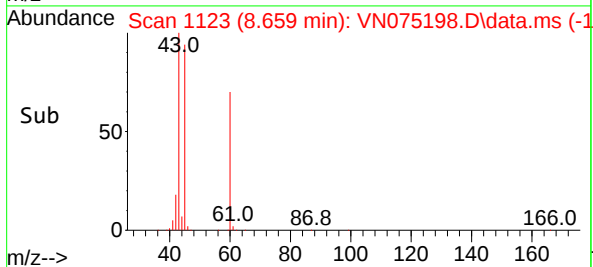
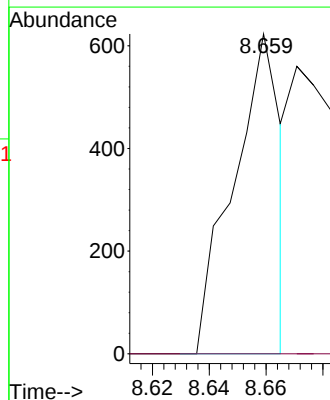
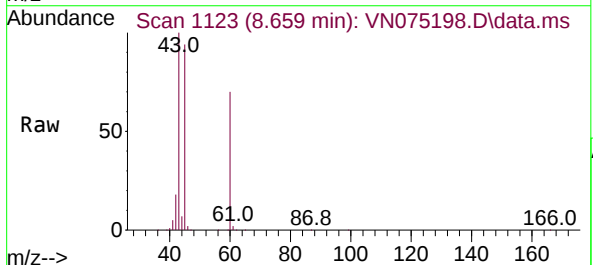


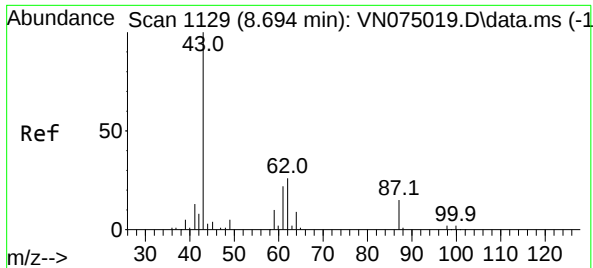
Tgt Ion:117 Resp: 9845
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.402 ug/l
RT: 8.659 min Scan# 1123
Delta R.T. -0.018 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

Tgt Ion: 62 Resp: 722
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

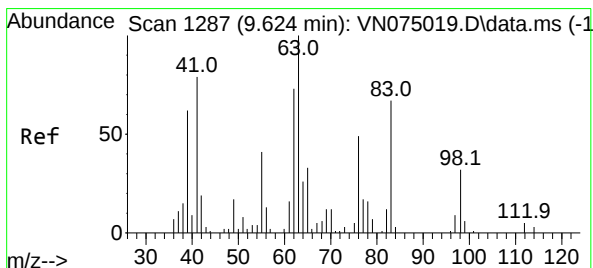
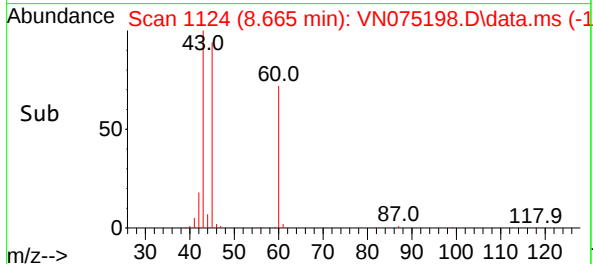
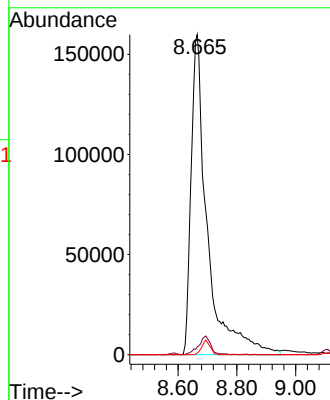
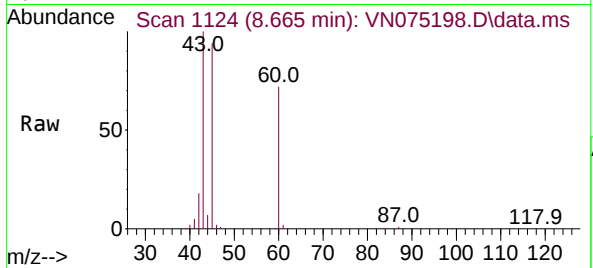




#43
Isopropyl Acetate
Concen: 223.019 ug/l
RT: 8.665 min Scan# 1129
Delta R.T. -0.029 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

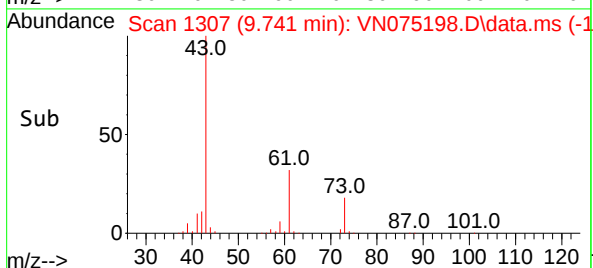
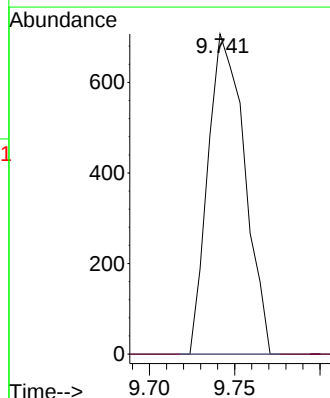
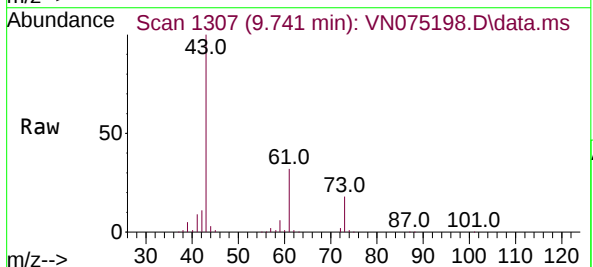
Instrument :
MSVOA_N
ClientSampleId :
TP-4

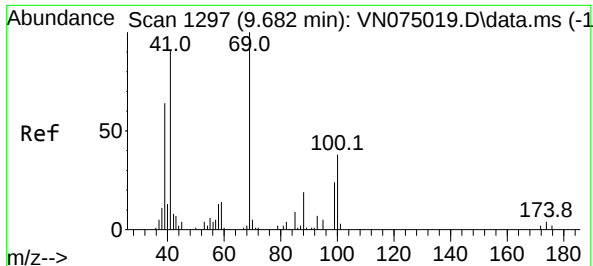
Tgt Ion: 43 Resp: 610968
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.901 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

Tgt Ion: 63 Resp: 1057
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.759 ug/l

RT: 9.683 min Scan# 1307

Delta R.T. 0.001 min

Lab File: VN075198.D

Acq: 07 Nov 2022 19:23

Instrument :

MSVOA_N

ClientSampleId :

TP-4

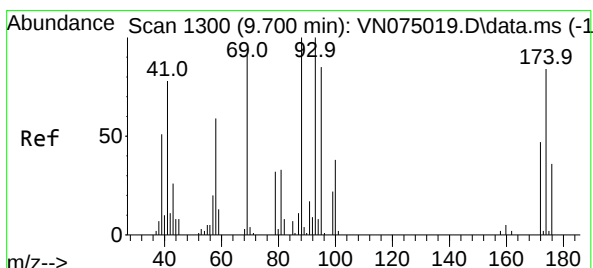
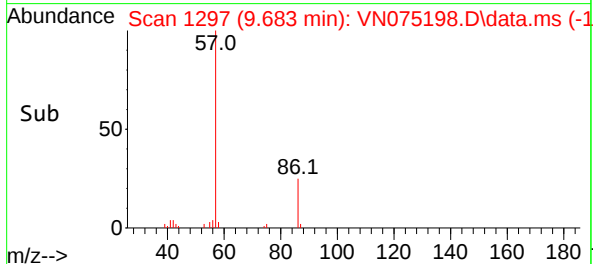
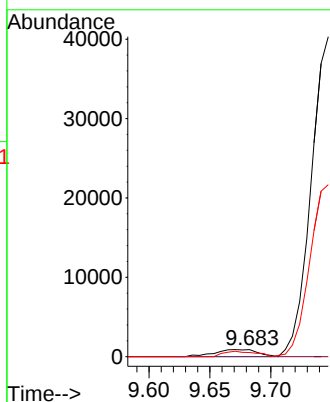
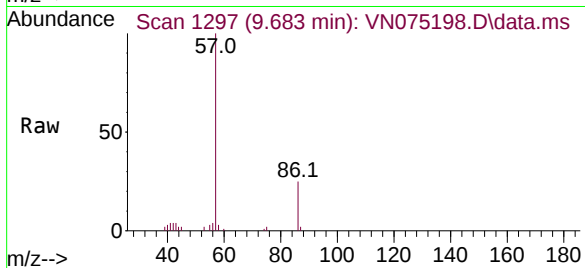
Tgt Ion: 41 Resp: 2210

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 56.8 56.2 84.2



#49

1,4-Dioxane

Concen: 1.884 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.041 min

Lab File: VN075198.D

Acq: 07 Nov 2022 19:23

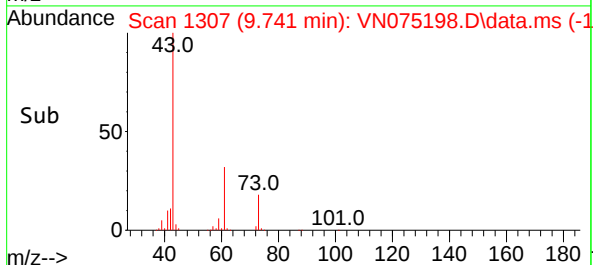
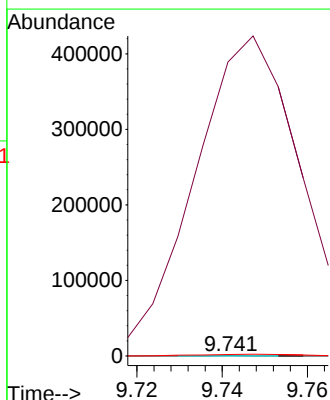
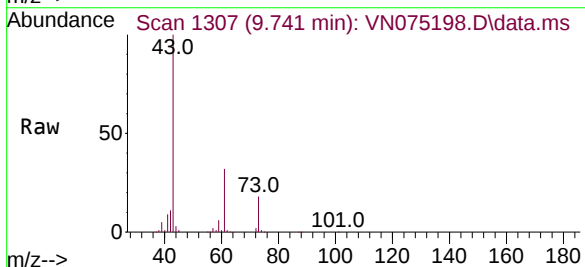
Tgt Ion: 88 Resp: 62

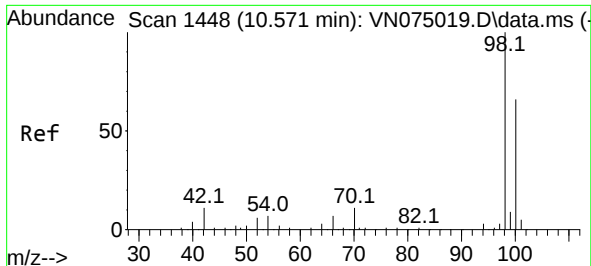
Ion Ratio Lower Upper

88 100

43 1219574.2 17.5 26.3#

58 6419.4 49.8 74.8#

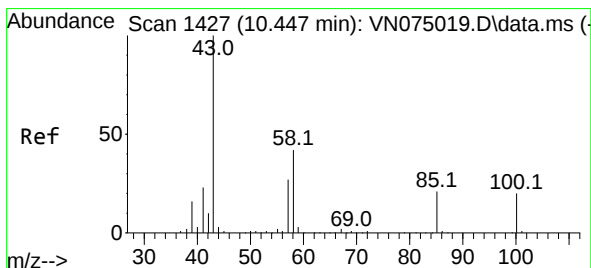
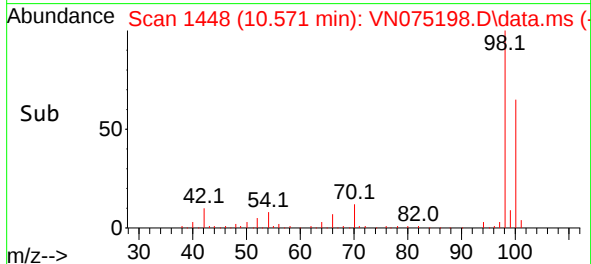
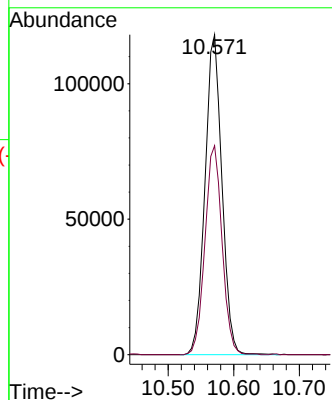
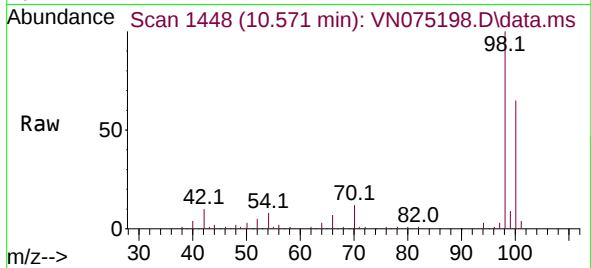




#50
Toluene-d8
Concen: 52.494 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

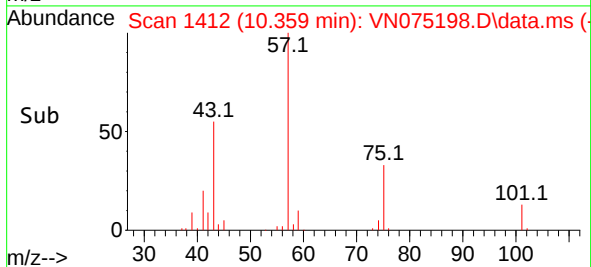
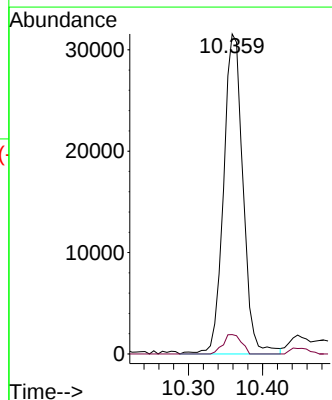
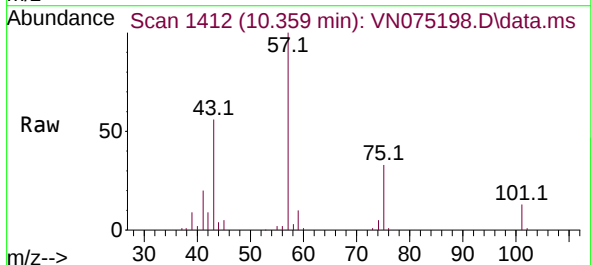
Instrument :
MSVOA_N
ClientSampleId :
TP-4

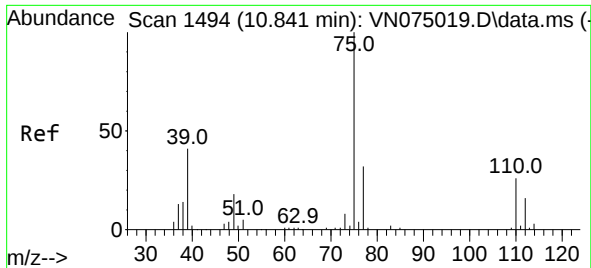
Tgt Ion: 98 Resp: 211853
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 32.486 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

Tgt Ion: 43 Resp: 57430
Ion Ratio Lower Upper
43 100
58 5.7 33.6 50.4#

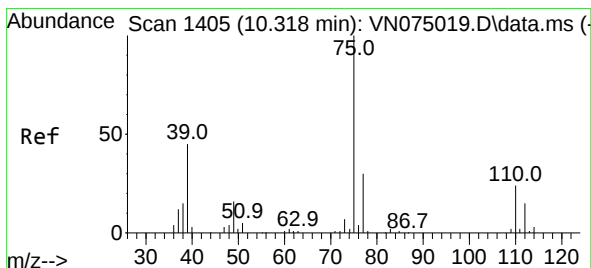
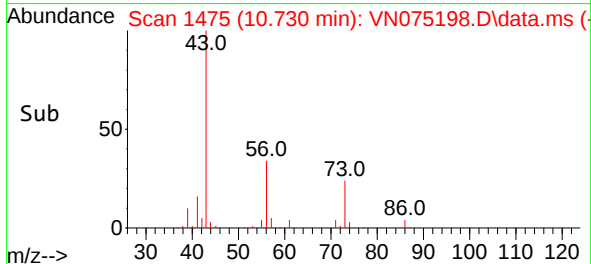
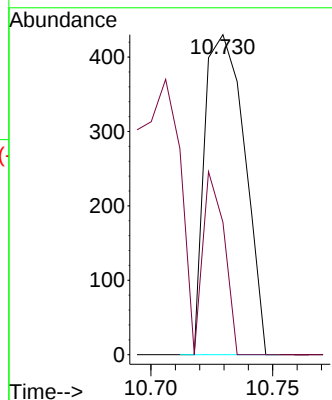
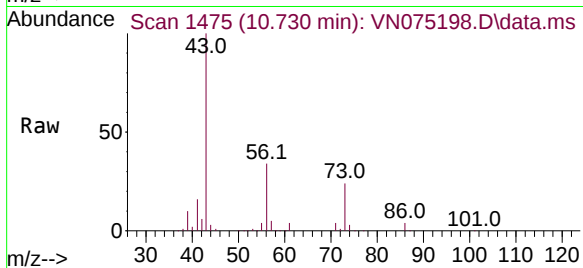




#53
 t-1,3-Dichloropropene
 Concen: 0.262 ug/l
 RT: 10.730 min Scan# 1412
 Delta R.T. -0.111 min
 Lab File: VN075198.D
 Acq: 07 Nov 2022 19:23

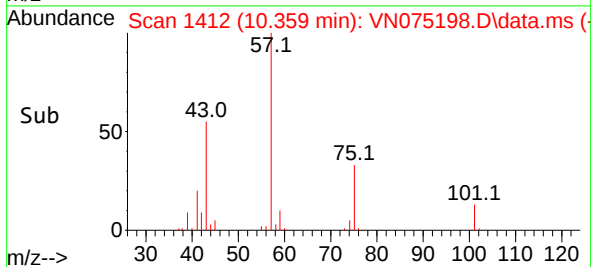
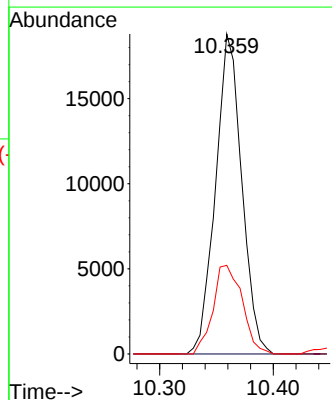
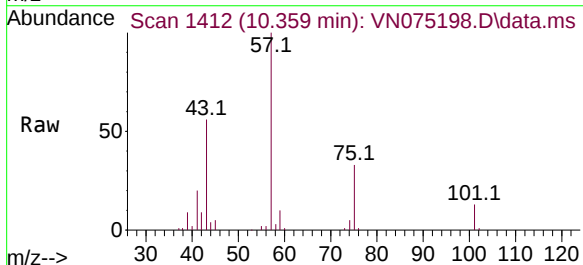
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

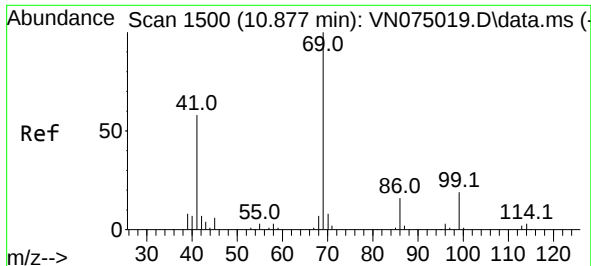
Tgt Ion: 75 Resp: 489
 Ion Ratio Lower Upper
 75 100
 77 41.4 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 15.188 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075198.D
 Acq: 07 Nov 2022 19:23

Tgt Ion: 75 Resp: 30104
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 27.7 35.8 53.6#

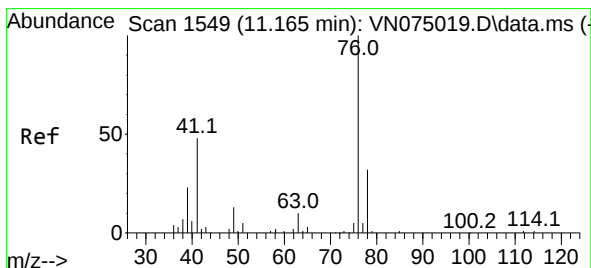
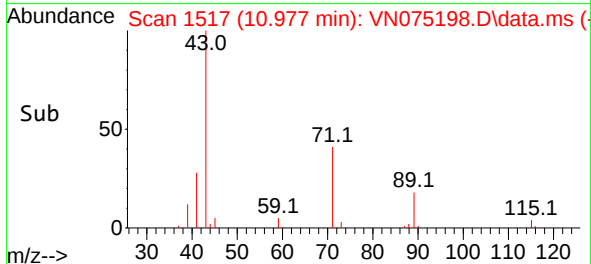
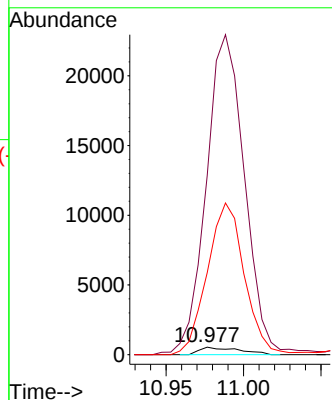
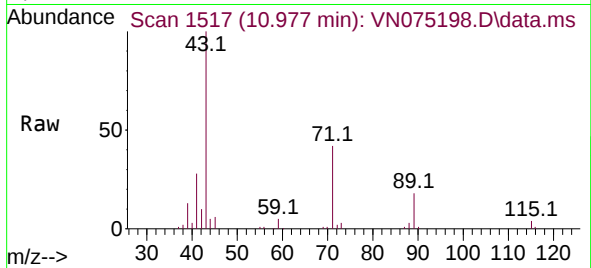




#56
Ethyl methacrylate
Concen: 0.477 ug/l
RT: 10.977 min Scan# 1517
Delta R.T. 0.100 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

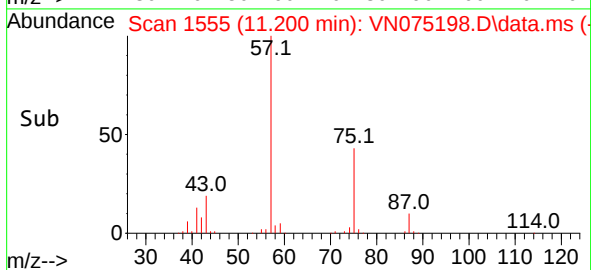
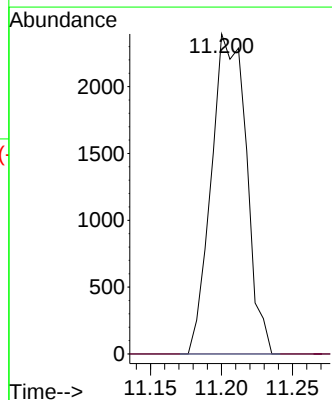
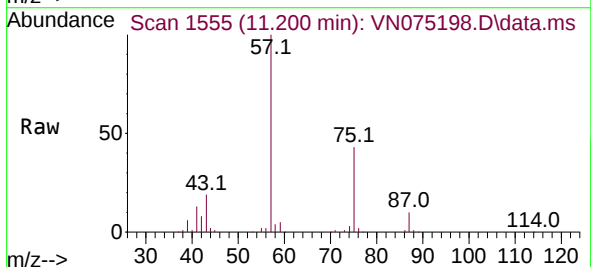
Instrument :
MSVOA_N
ClientSampleId :
TP-4

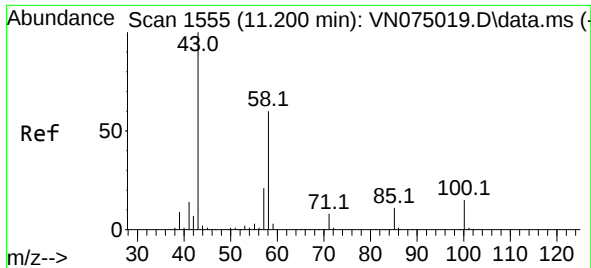
Tgt Ion: 69 Resp: 950
Ion Ratio Lower Upper
69 100
41 4179.2 45.6 68.4#
39 1907.1 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.880 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

Tgt Ion: 76 Resp: 4091
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

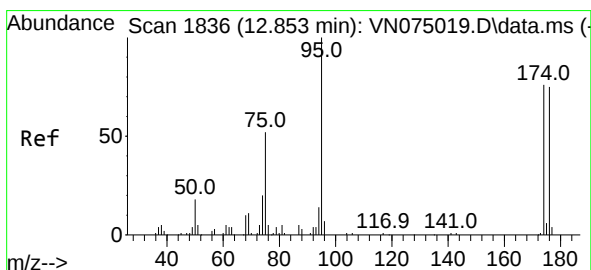
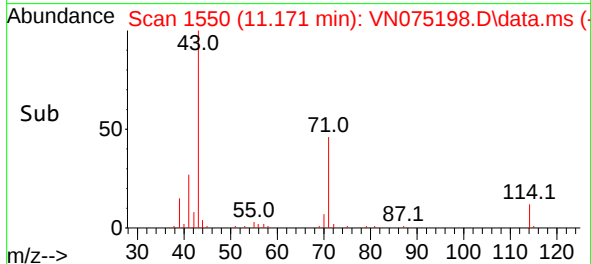
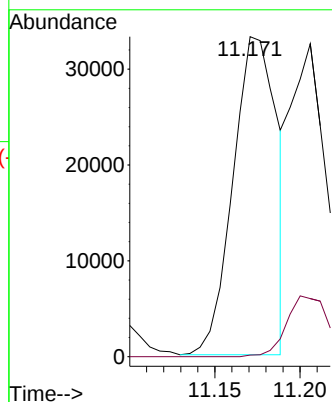
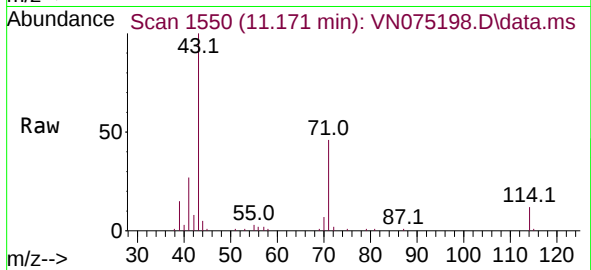




#59
2-Hexanone
Concen: 44.322 ug/l
RT: 11.171 min Scan# 1550
Delta R.T. -0.029 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

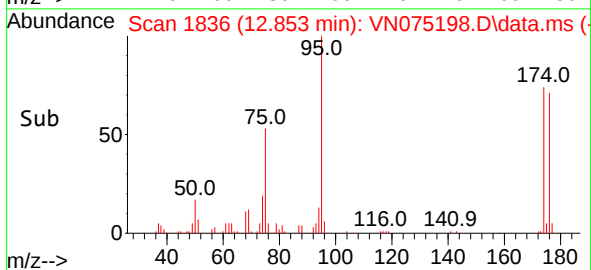
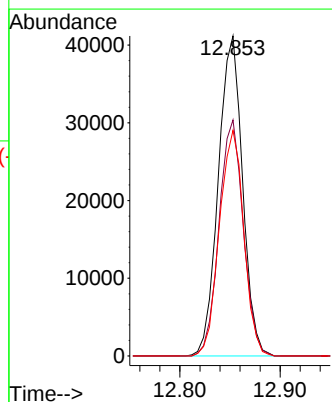
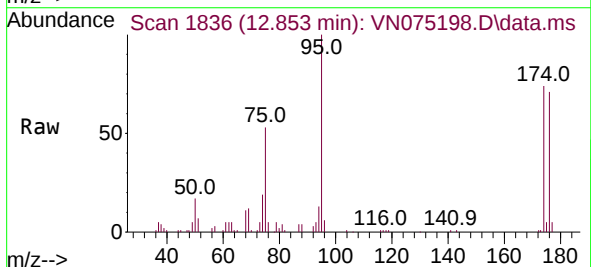
Instrument :
MSVOA_N
ClientSampleId :
TP-4

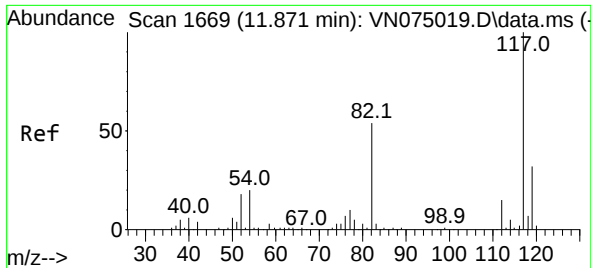
Tgt Ion: 43 Resp: 59468
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 48.667 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

Tgt Ion: 95 Resp: 68995
Ion Ratio Lower Upper
95 100
174 73.7 0.0 147.4
176 71.0 0.0 142.2

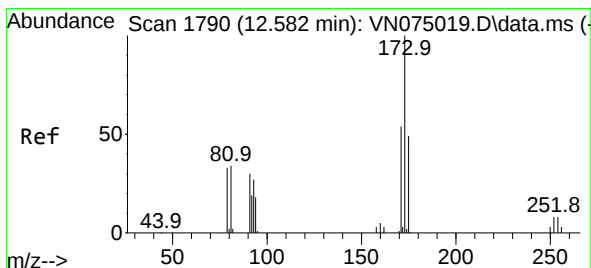
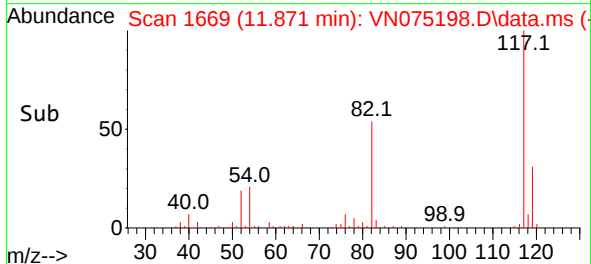
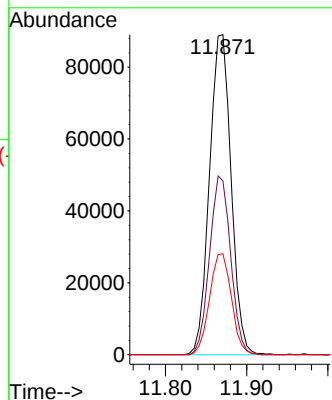
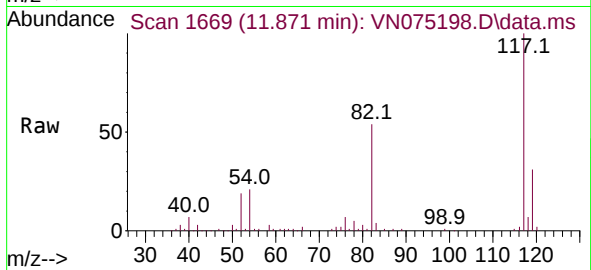




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

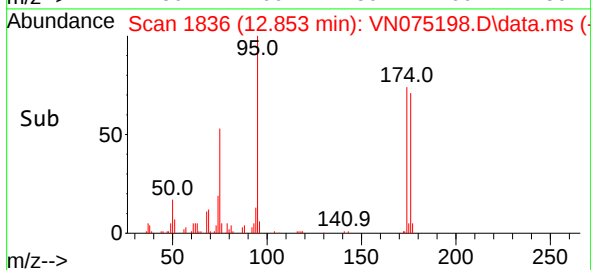
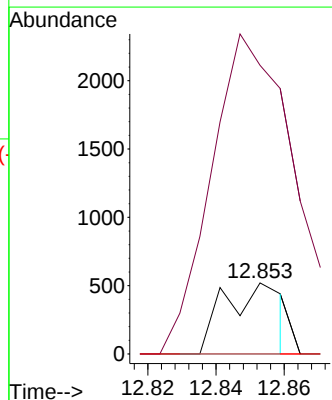
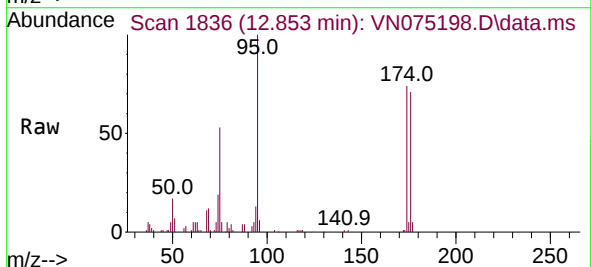
Instrument :
MSVOA_N
ClientSampleId :
TP-4

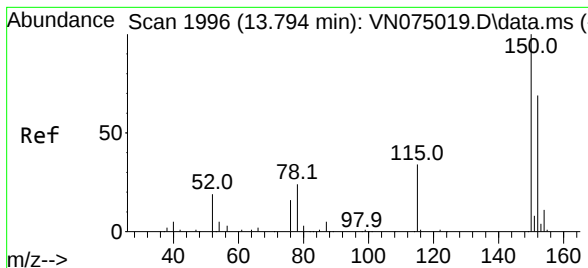
Tgt Ion:117 Resp: 164652
Ion Ratio Lower Upper
117 100
82 54.3 43.1 64.7
119 31.5 25.5 38.3



#71
Bromoform
Concen: 0.624 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

Tgt Ion:173 Resp: 609
Ion Ratio Lower Upper
173 100
175 536.3 24.6 74.0#
254 0.0 0.0 0.0

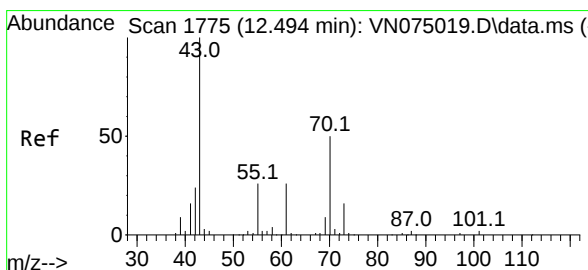
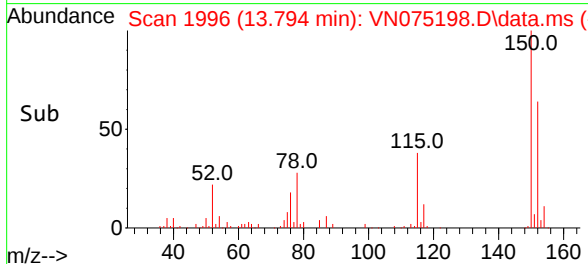
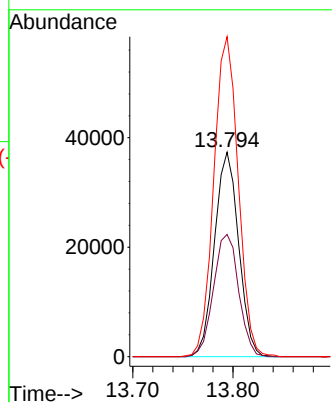
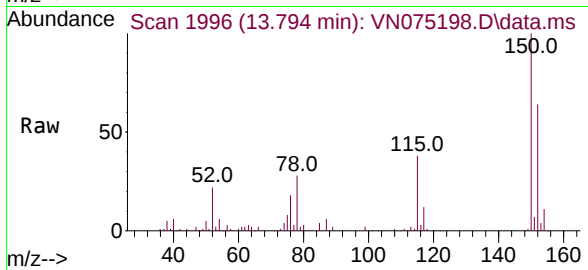




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

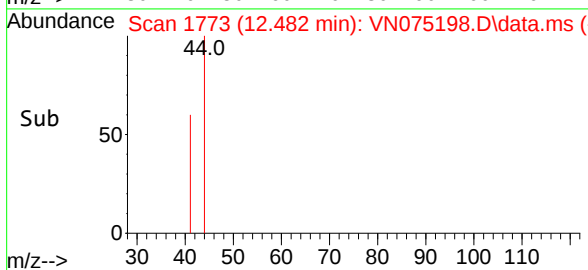
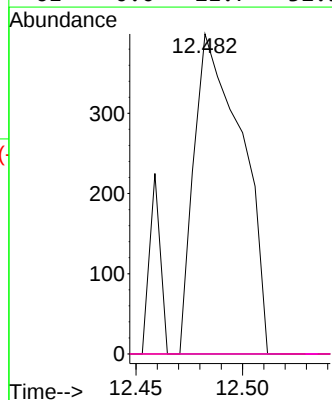
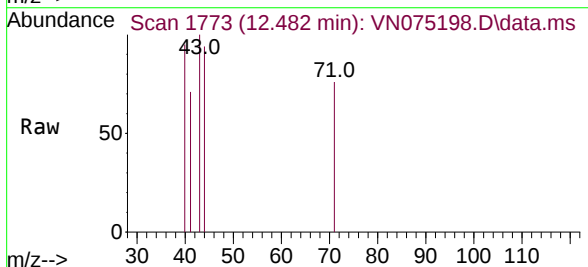
Instrument :
MSVOA_N
ClientSampleId :
TP-4

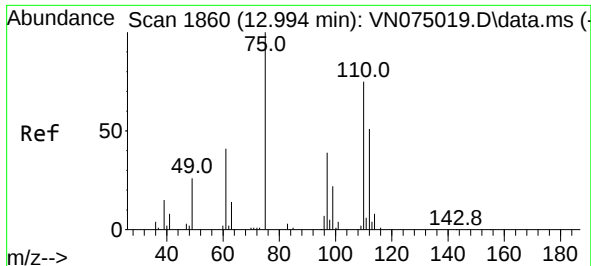
Tgt Ion:152 Resp: 62198
Ion Ratio Lower Upper
152 100
115 62.7 30.2 90.6
150 158.7 0.0 348.4



#74
N-ethyl acetate
Concen: 0.337 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

Tgt Ion: 43 Resp: 622
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#

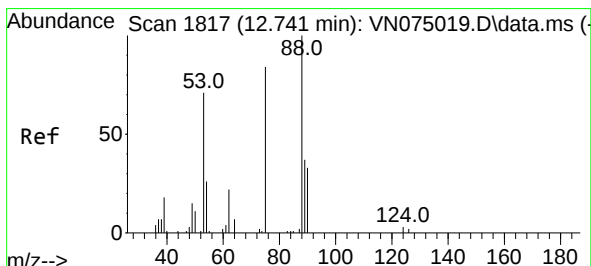
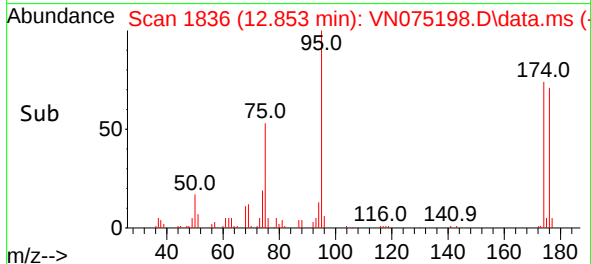
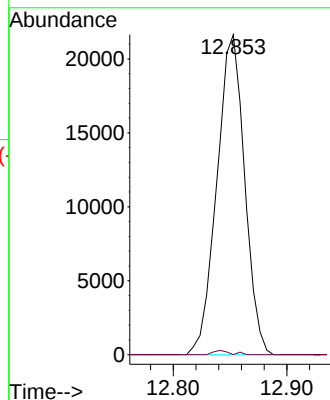
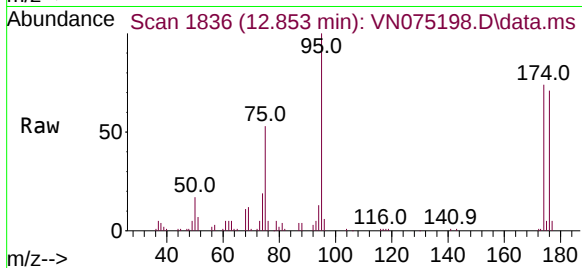




#76
1,2,3-Trichloropropane
Concen: 27.824 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

Instrument :
MSVOA_N
ClientSampleId :
TP-4

Tgt Ion: 75 Resp: 36745
Ion Ratio Lower Upper
75 100
77 0.8 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.424 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075198.D
Acq: 07 Nov 2022 19:23

Tgt Ion: 75 Resp: 36745
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

