

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112922\
 Data File : VN075486.D
 Acq On : 29 Nov 2022 19:13
 Operator : JC\MD
 Sample : N5796-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-N

Quant Time: Nov 30 02:31:17 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)

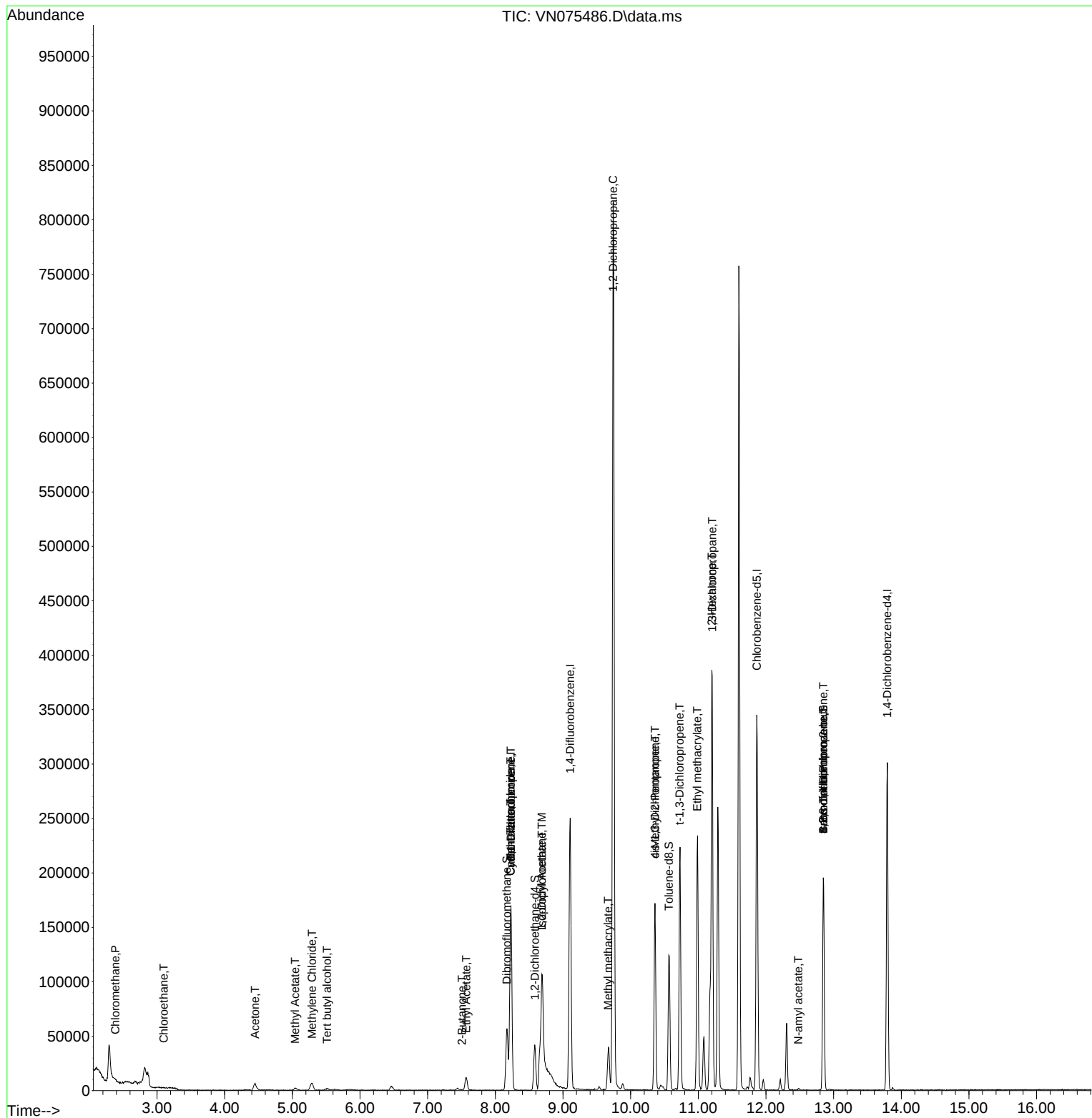
Internal Standards						
1) Pentafluorobenzene	8.230	168	128759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	230588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	213443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	85225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	33213	48.054	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.100%		
35) Dibromofluoromethane	8.171	113	41348	45.647	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.300%		
50) Toluene-d8	10.565	98	91763	44.978	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.960%		
62) 4-Bromofluorobenzene	12.847	95	66228	43.980	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.960%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.383	50	293	0.239	ug/l #	42
6) Chloroethane	3.100	64	378	0.323	ug/l #	45
11) Tert butyl alcohol	5.512	59	984	3.391	ug/l #	72
16) Acetone	4.447	43	12676	19.662	ug/l	98
18) Methyl Acetate	5.042	43	4176	1.308	ug/l #	72
20) Methylene Chloride	5.289	84	6078	3.459	ug/l #	74
25) 2-Butanone	7.506	43	1155	1.283	ug/l #	43
31) Cyclohexane	8.224	56	2505	1.141	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	9352	4.734	ug/l #	51
37) Ethyl Acetate	7.571	43	17458	9.815	ug/l	96
38) Carbon Tetrachloride	8.224	117	13044	6.011	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	601	0.297	ug/l #	75
43) Isopropyl Acetate	8.688	43	149869	52.493	ug/l #	76
45) 1,2-Dichloropropane	9.741	63	1122	0.778	ug/l #	42
48) Methyl methacrylate	9.665	41	2409	1.825	ug/l #	31
51) 4-Methyl-2-Pentanone	10.359	43	57938	31.861	ug/l #	44
53) t-1,3-Dichloropropene	10.723	75	621	0.293	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	33285	14.460	ug/l #	64
56) Ethyl methacrylate	10.982	69	824	0.384	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4377	1.691	ug/l #	42
59) 2-Hexanone	11.200	43	48144	35.258	ug/l #	51
71) Bromoform	12.847	173	484	0.387	ug/l #	1
74) N-amyl acetate	12.476	43	1087	0.568	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	33401	20.728	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	33401	61.330	ug/l #	10

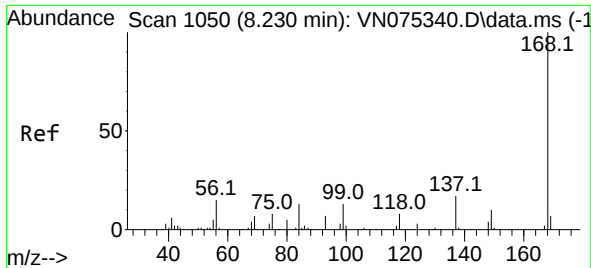
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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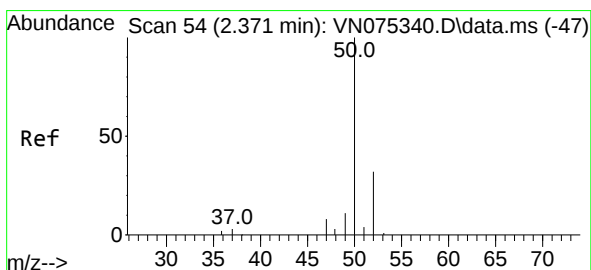
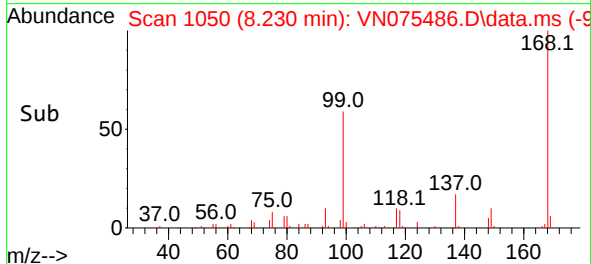
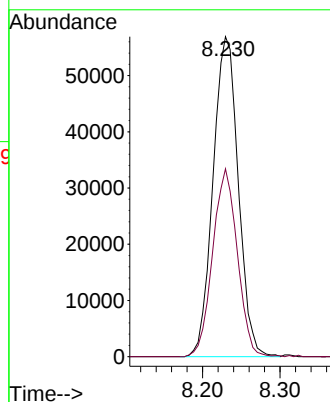
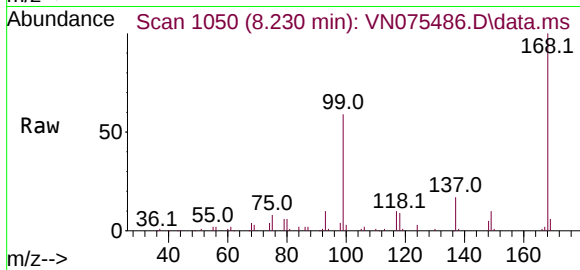




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

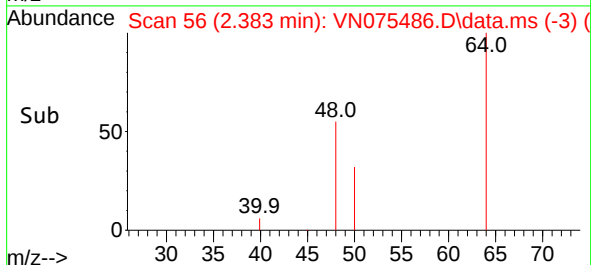
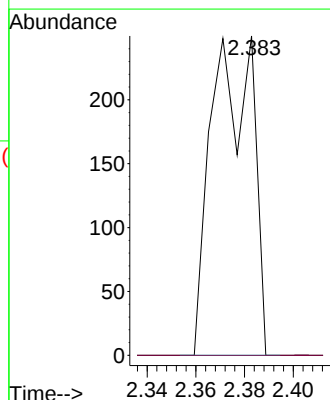
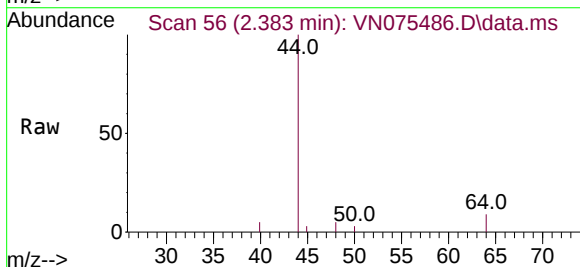
Instrument :
MSVOA_N
ClientSampleId :
TP-N

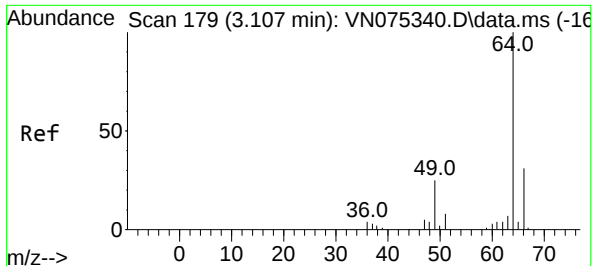
Tgt Ion:168 Resp: 128759
Ion Ratio Lower Upper
168 100
99 58.7 51.6 77.4



#3
Chloromethane
Concen: 0.239 ug/l
RT: 2.383 min Scan# 56
Delta R.T. 0.012 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

Tgt Ion: 50 Resp: 293
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

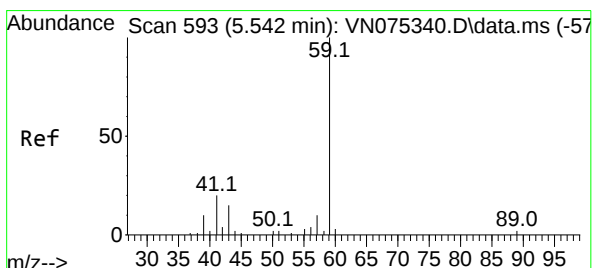
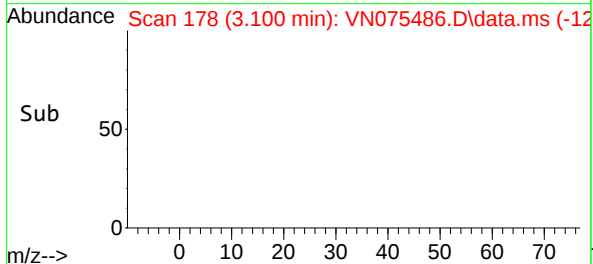
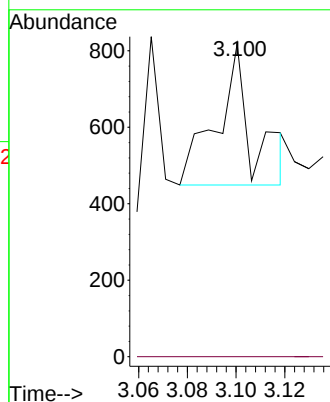
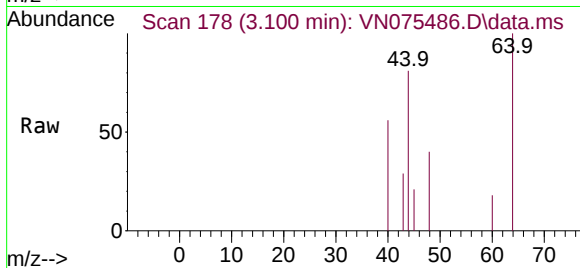




#6
Chloroethane
Concen: 0.323 ug/l
RT: 3.100 min Scan# 11
Delta R.T. -0.007 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

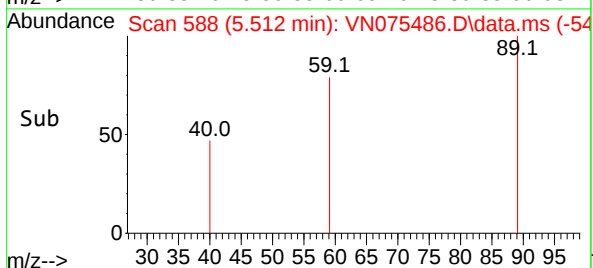
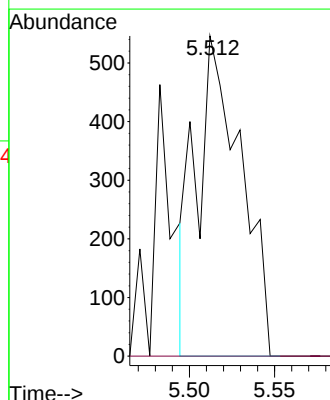
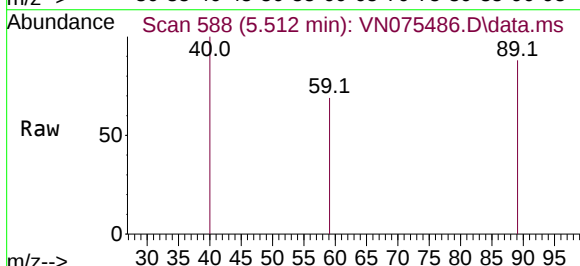
Instrument :
MSVOA_N
ClientSampleId :
TP-N

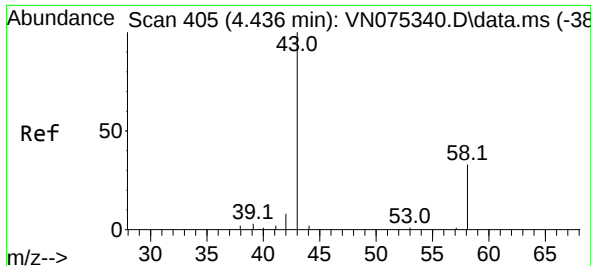
Tgt Ion: 64 Resp: 378
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 3.391 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

Tgt Ion: 59 Resp: 984
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

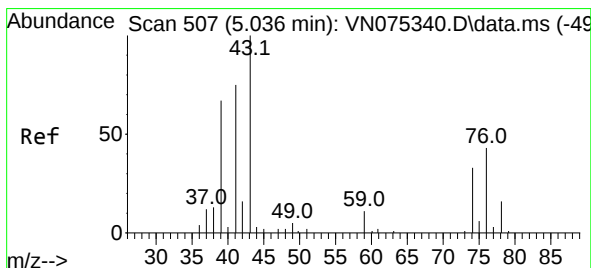
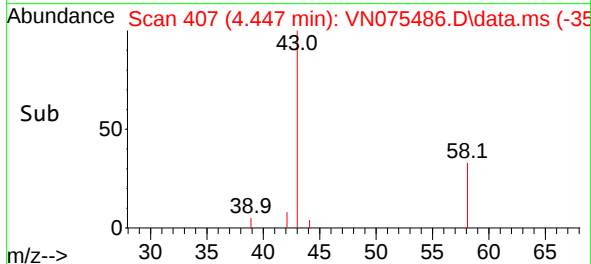
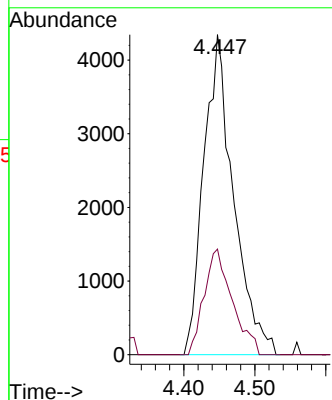
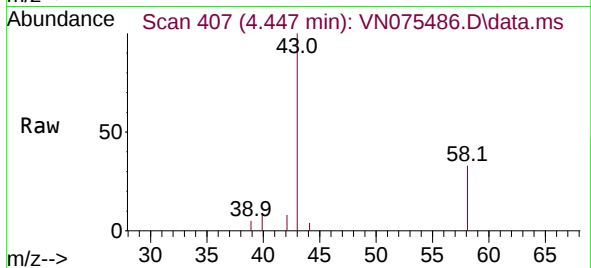




#16
Acetone
Concen: 19.662 ug/l
RT: 4.447 min Scan# 405
Delta R.T. 0.011 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

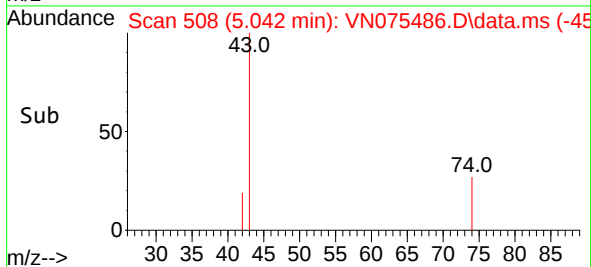
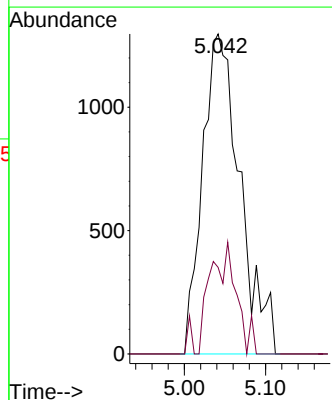
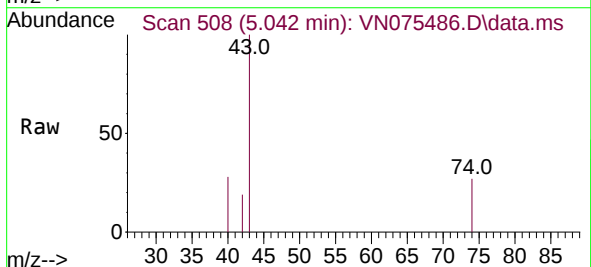
Instrument :
MSVOA_N
ClientSampleId :
TP-N

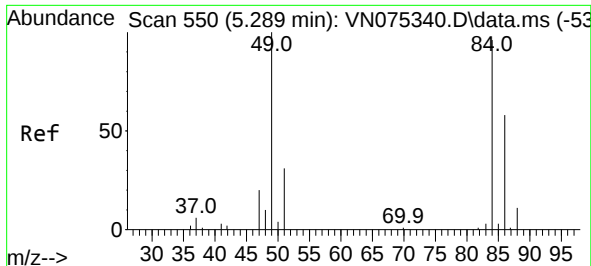
Tgt Ion: 43 Resp: 12676
Ion Ratio Lower Upper
43 100
58 33.0 25.5 38.3



#18
Methyl Acetate
Concen: 1.308 ug/l
RT: 5.042 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

Tgt Ion: 43 Resp: 4176
Ion Ratio Lower Upper
43 100
74 13.1 22.0 33.0#

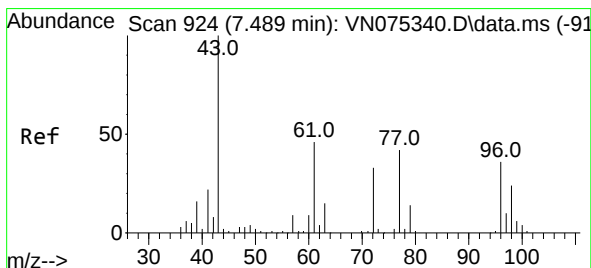
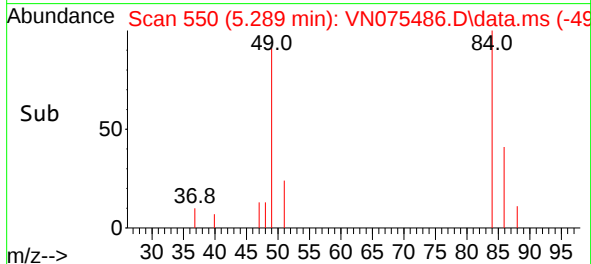
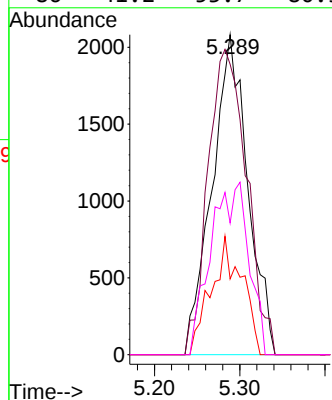
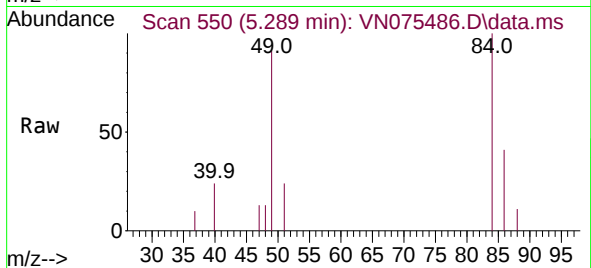




#20
Methylene Chloride
Concen: 3.459 ug/l
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

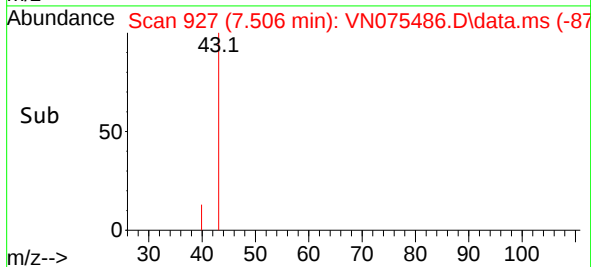
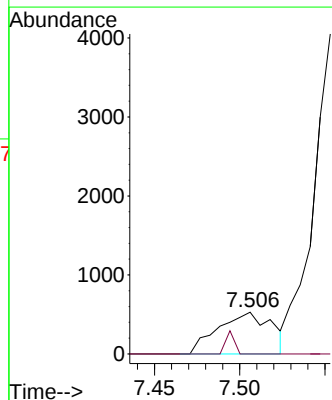
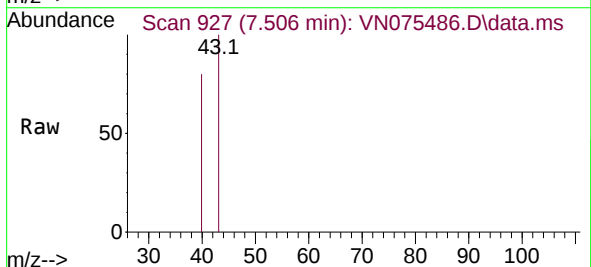
Instrument :
MSVOA_N
ClientSampleId :
TP-N

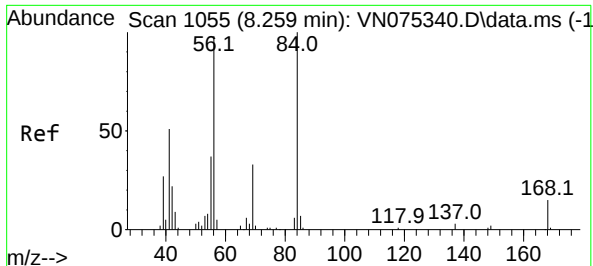
Tgt Ion: 84	Resp: 6078
Ion Ratio	Lower Upper
84 100	
49 90.8	94.9 142.3#
51 23.7	26.8 40.2#
86 41.2	53.7 80.5#



#25
2-Butanone
Concen: 1.283 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.017 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

Tgt Ion: 43	Resp: 1155
Ion Ratio	Lower Upper
43 100	
72 0.0	25.5 38.3#

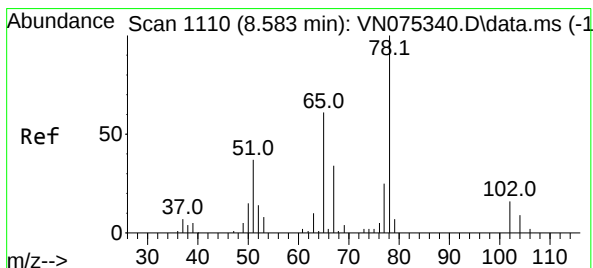
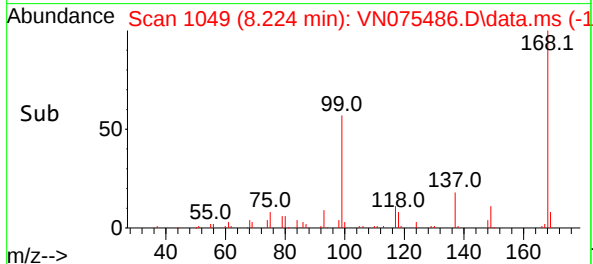
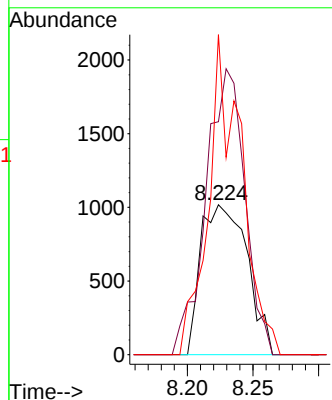
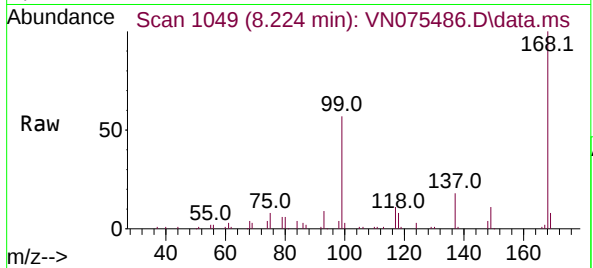




#31
Cyclohexane
Concen: 1.141 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

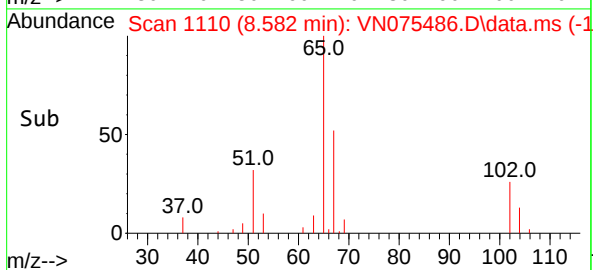
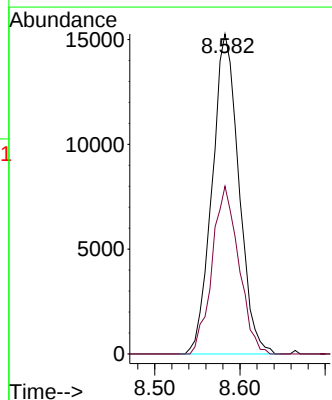
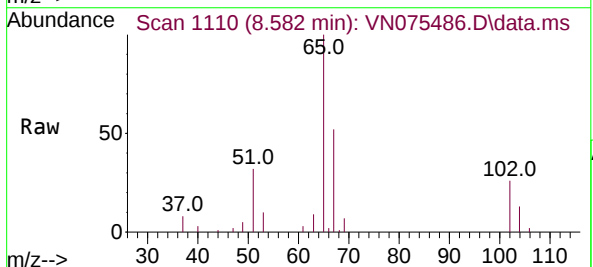
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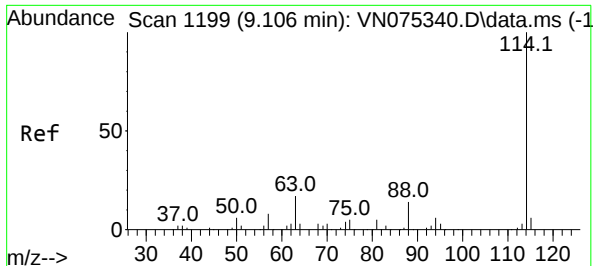
Tgt Ion: 56 Resp: 2505
Ion Ratio Lower Upper
56 100
69 155.3 25.2 37.8#
84 213.4 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 48.054 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

Tgt Ion: 65 Resp: 33213
Ion Ratio Lower Upper
65 100
67 52.3 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: VN075486.D

Acq: 29 Nov 2022 19:13

Instrument :

MSVOA_N

ClientSampleId :

TP-N

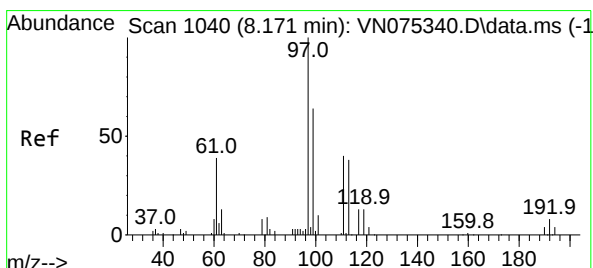
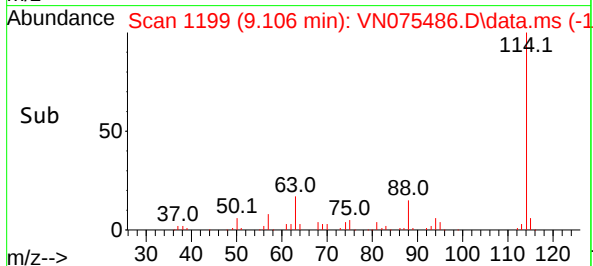
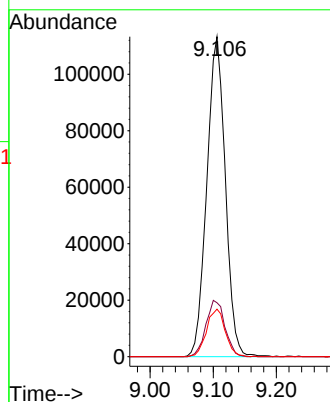
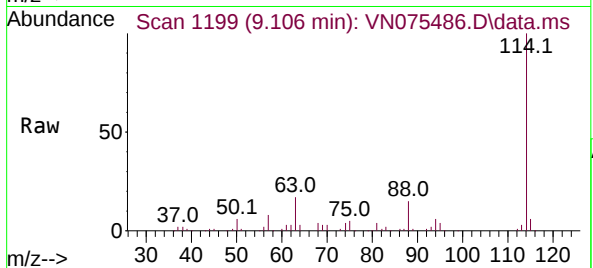
Tgt Ion:114 Resp: 230588

Ion Ratio Lower Upper

114 100

63 16.9 0.0 39.6

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 45.647 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075486.D

Acq: 29 Nov 2022 19:13

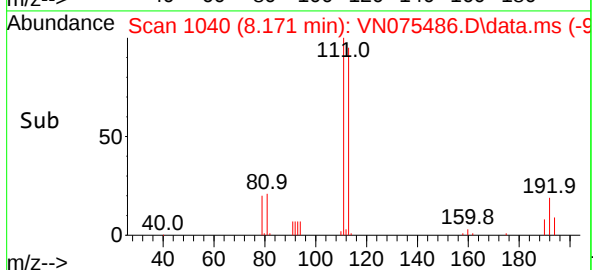
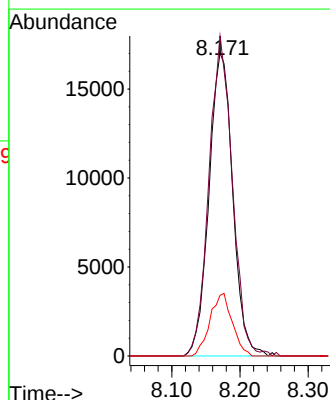
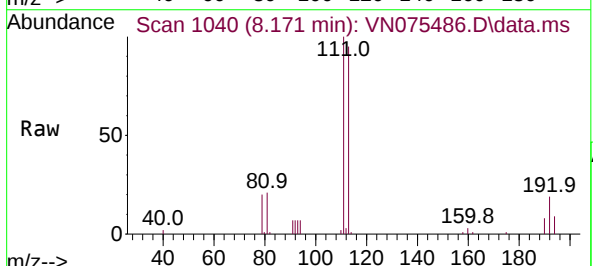
Tgt Ion:113 Resp: 41348

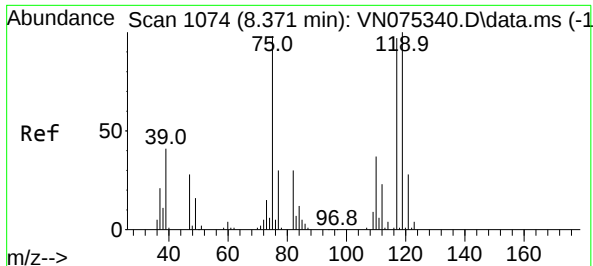
Ion Ratio Lower Upper

113 100

111 103.9 80.5 120.7

192 19.3 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.734 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN075486.D

Acq: 29 Nov 2022 19:13

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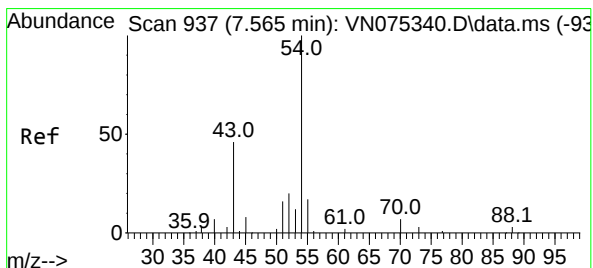
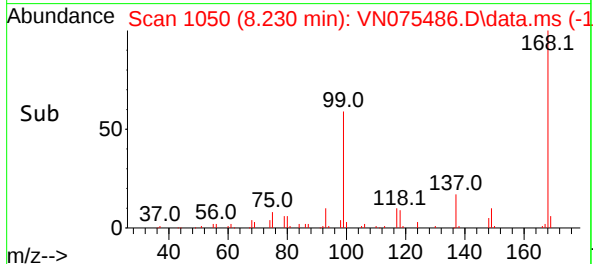
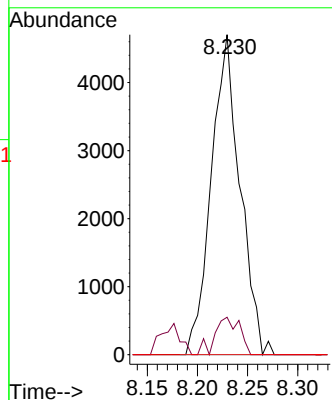
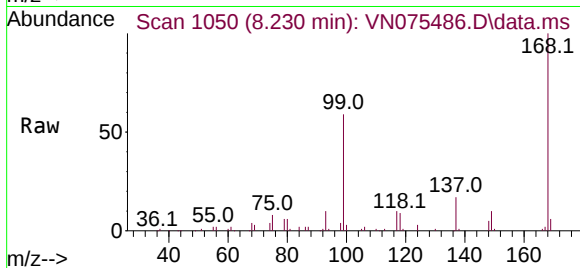
Tgt Ion: 75 Resp: 9352

Ion Ratio Lower Upper

75 100

110 10.1 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 9.815 ug/l

RT: 7.571 min Scan# 938

Delta R.T. 0.006 min

Lab File: VN075486.D

Acq: 29 Nov 2022 19:13

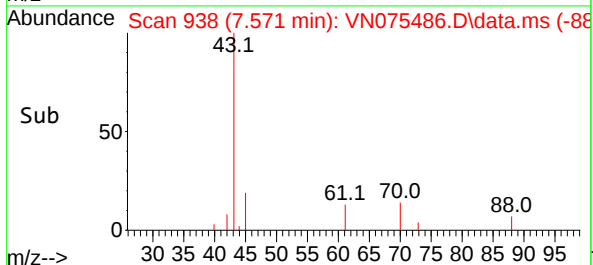
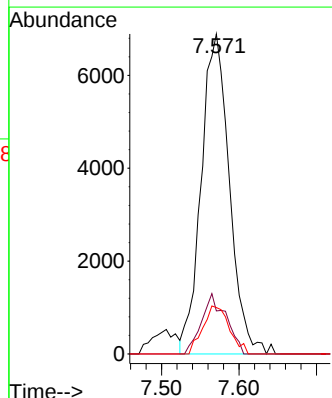
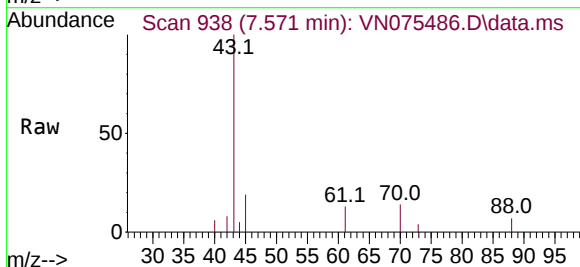
Tgt Ion: 43 Resp: 17458

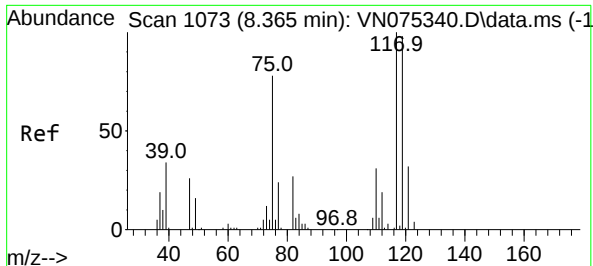
Ion Ratio Lower Upper

43 100

61 16.4 12.2 18.4

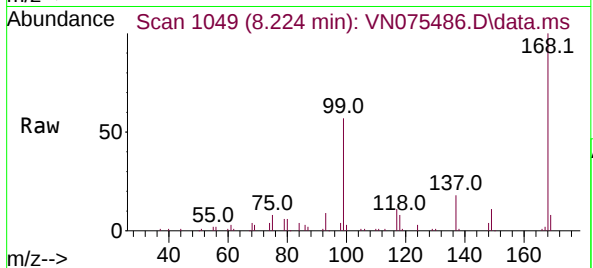
70 14.0 9.4 14.2



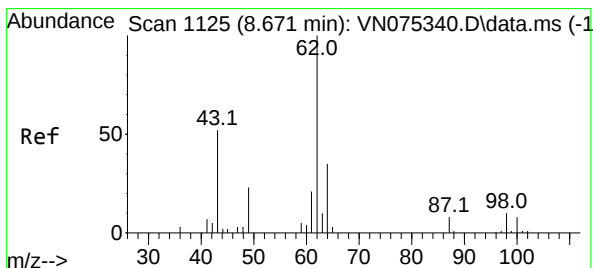
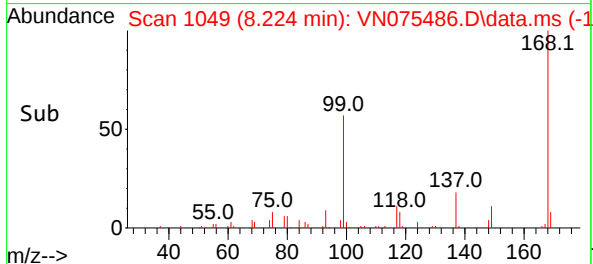
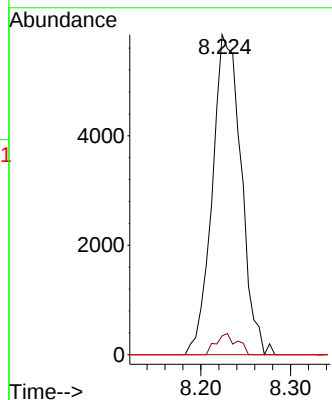


#38
Carbon Tetrachloride
Concen: 6.011 ug/l
RT: 8.224 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

Instrument :
MSVOA_N
ClientSampleId :
TP-N

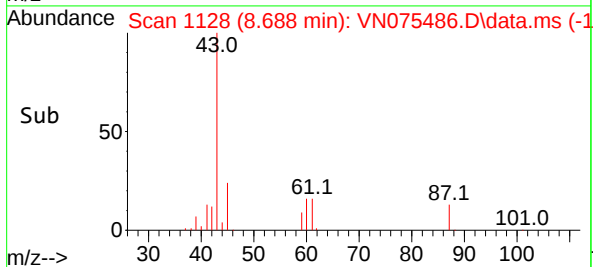
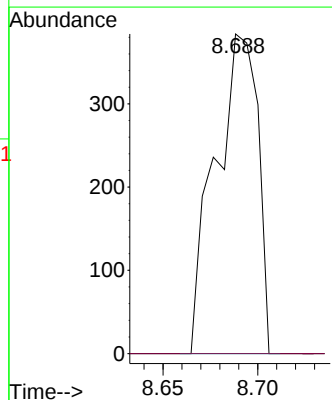
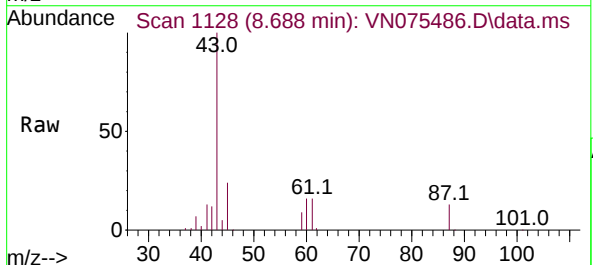


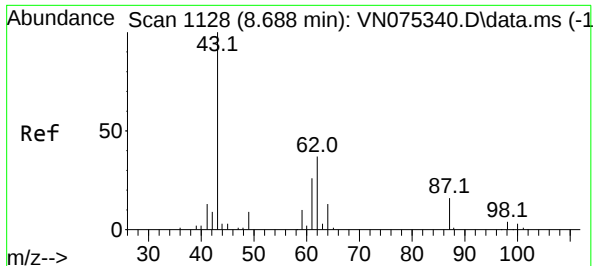
Tgt Ion:117 Resp: 13044
Ion Ratio Lower Upper
117 100
119 5.9 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.297 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.017 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

Tgt Ion: 62 Resp: 601
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

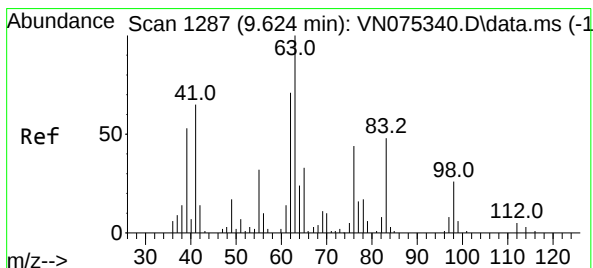
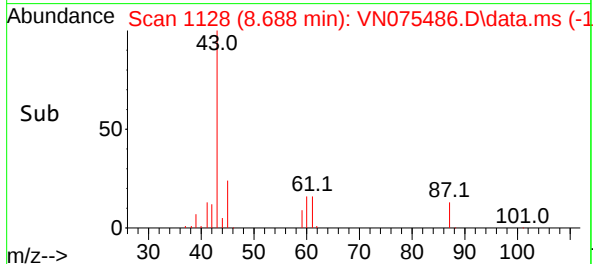
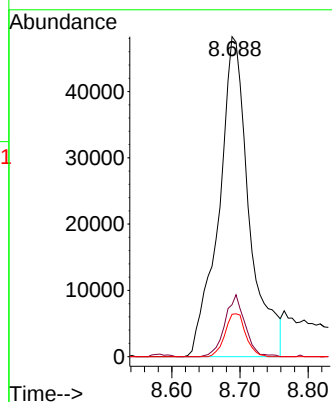
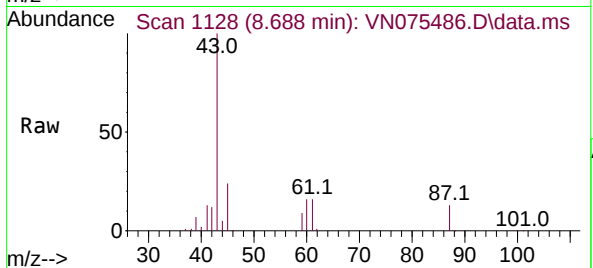




#43
Isopropyl Acetate
Concen: 52.493 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

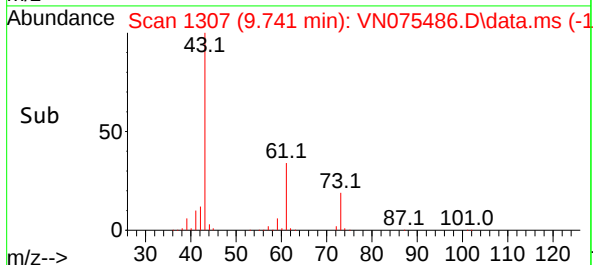
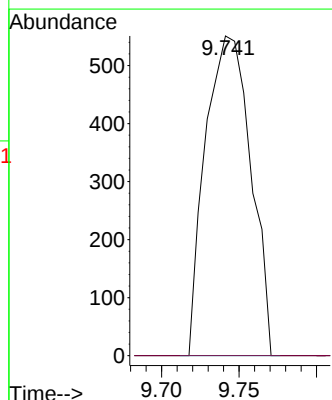
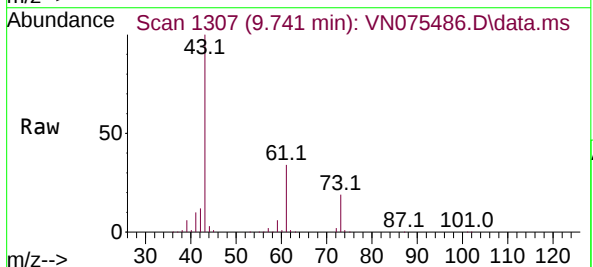
Instrument :
MSVOA_N
ClientSampleId :
TP-N

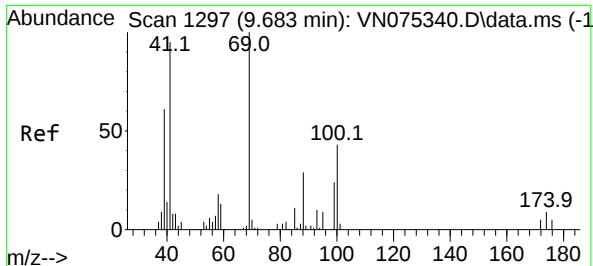
Tgt Ion: 43 Resp: 149869
Ion Ratio Lower Upper
43 100
61 12.9 22.4 33.6#
87 9.1 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.778 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

Tgt Ion: 63 Resp: 1122
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

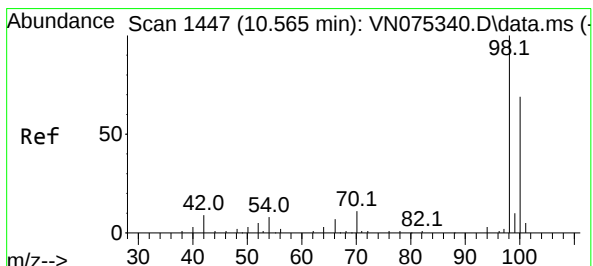
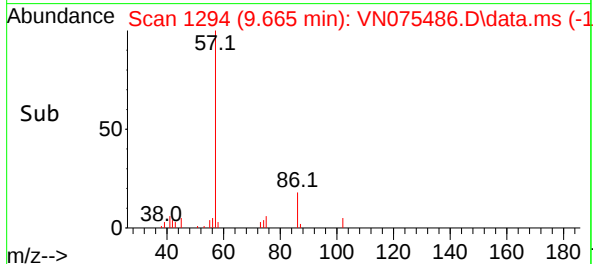
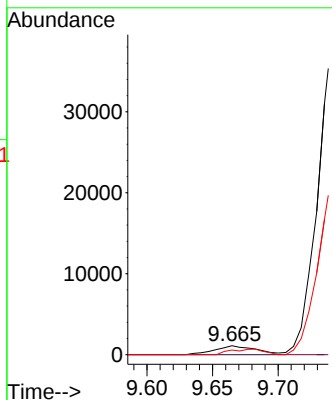
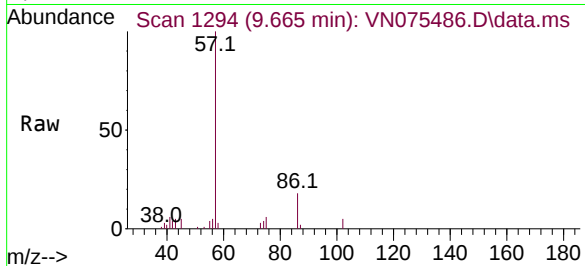




#48
Methyl methacrylate
Concen: 1.825 ug/l
RT: 9.665 min Scan# 1294
Delta R.T. -0.018 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

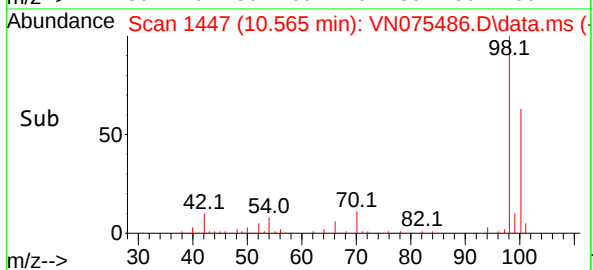
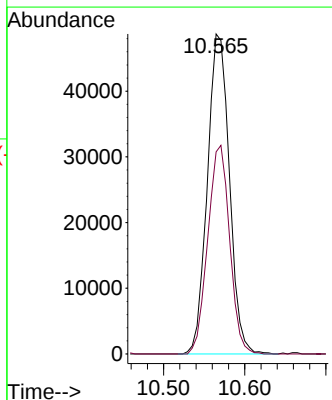
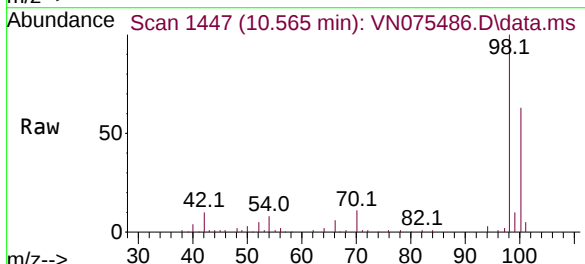
Instrument :
MSVOA_N
ClientSampleId :
TP-N

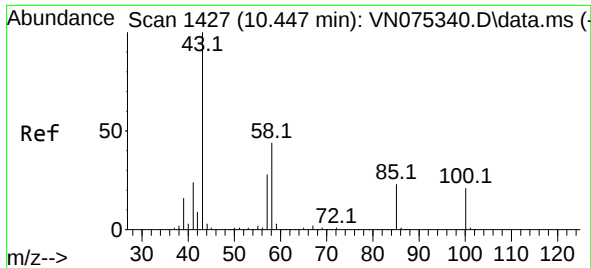
Tgt Ion: 41 Resp: 2409
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 50.1 56.2 84.2#



#50
Toluene-d8
Concen: 44.978 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

Tgt Ion: 98 Resp: 91763
Ion Ratio Lower Upper
98 100
100 64.6 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 31.861 ug/l

RT: 10.359 min Scan# 1412

Delta R.T. -0.088 min

Lab File: VN075486.D

Acq: 29 Nov 2022 19:13

Instrument :

MSVOA_N

ClientSampleId :

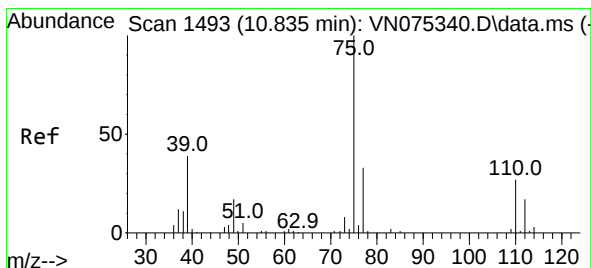
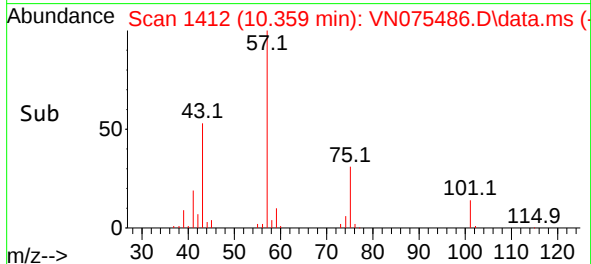
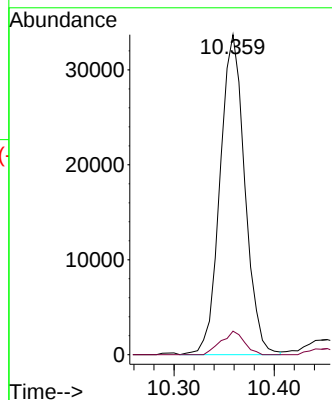
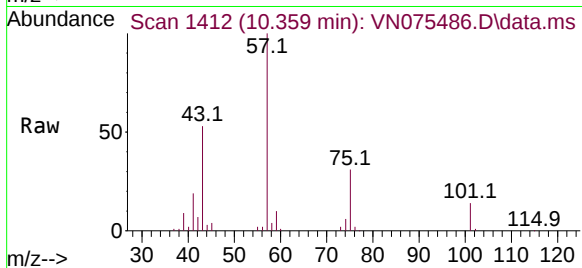
TP-N

Tgt Ion: 43 Resp: 57938

Ion Ratio Lower Upper

43 100

58 6.8 33.6 50.4#



#53

t-1,3-Dichloropropene

Concen: 0.293 ug/l

RT: 10.723 min Scan# 1474

Delta R.T. -0.112 min

Lab File: VN075486.D

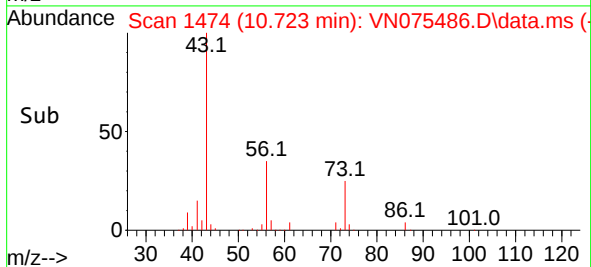
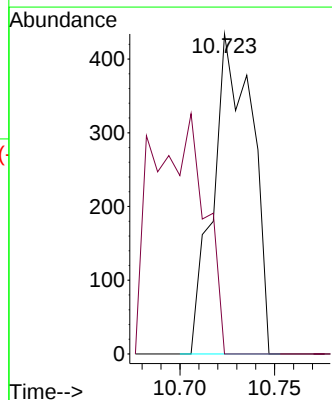
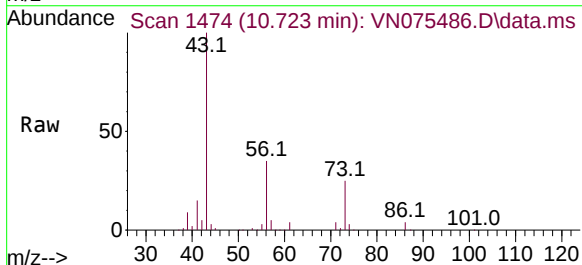
Acq: 29 Nov 2022 19:13

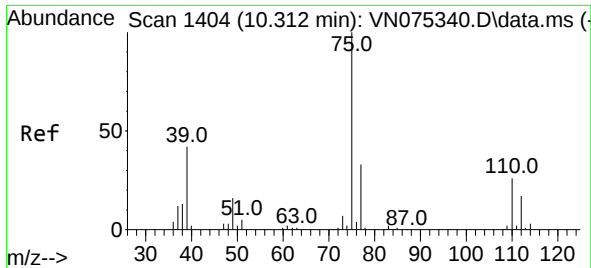
Tgt Ion: 75 Resp: 621

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

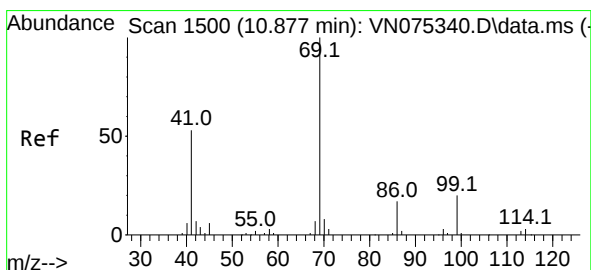
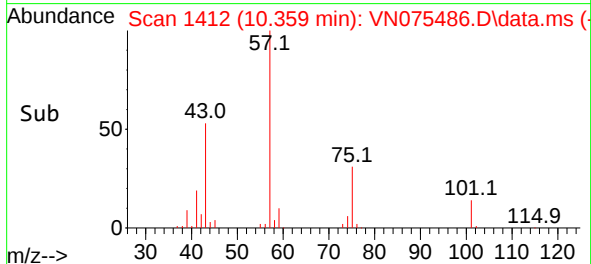
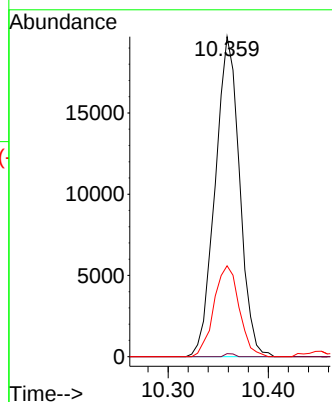
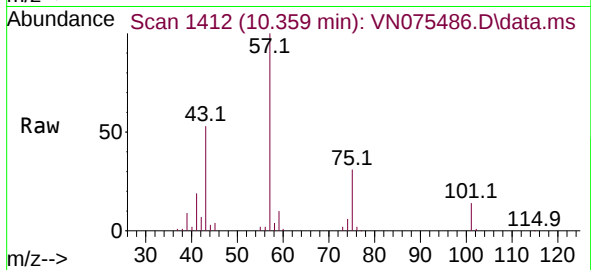




#54
 cis-1,3-Dichloropropene
 Concen: 14.460 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075486.D
 Acq: 29 Nov 2022 19:13

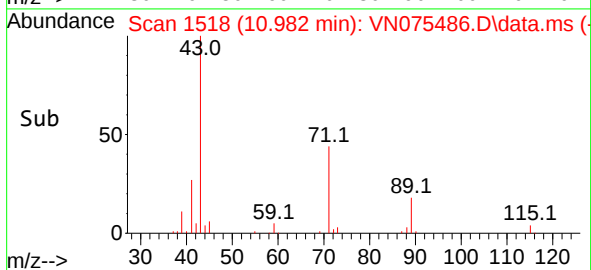
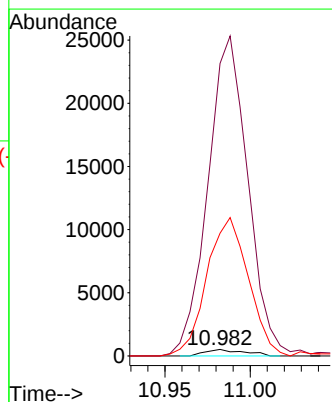
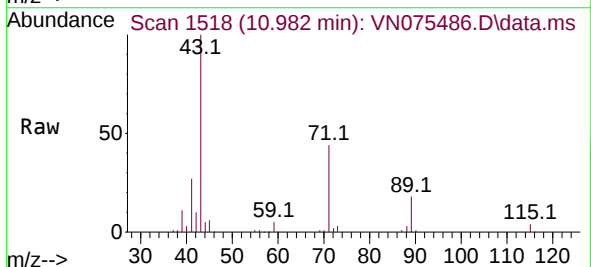
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-N

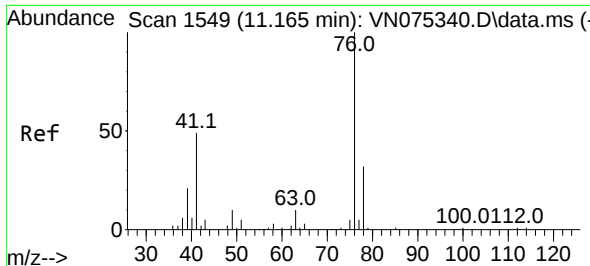
Tgt Ion: 75 Resp: 33285
 Ion Ratio Lower Upper
 75 100
 77 0.9 23.7 35.5#
 39 28.4 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.384 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.105 min
 Lab File: VN075486.D
 Acq: 29 Nov 2022 19:13

Tgt Ion: 69 Resp: 824
 Ion Ratio Lower Upper
 69 100
 41 5065.9 45.6 68.4#
 39 2261.5 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.691 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN075486.D

Acq: 29 Nov 2022 19:13

Instrument :

MSVOA_N

ClientSampleId :

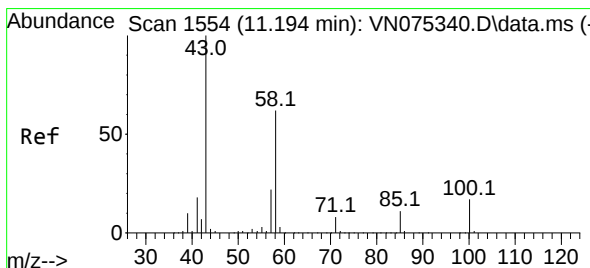
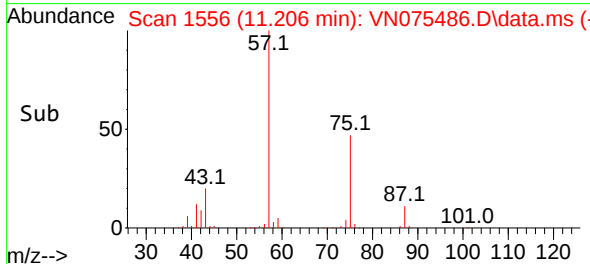
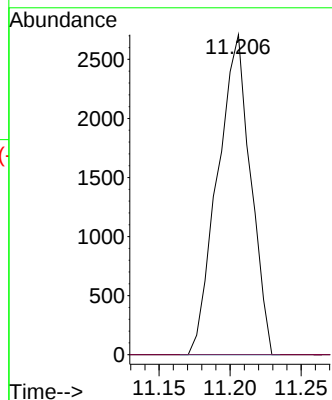
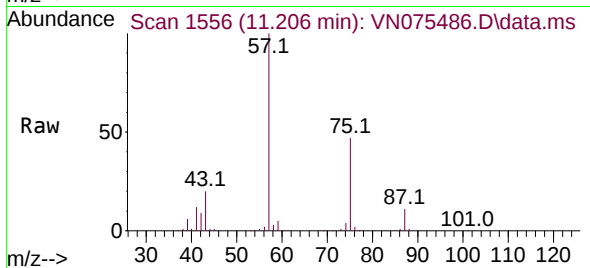
TP-N

Tgt Ion: 76 Resp: 4377

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 35.258 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN075486.D

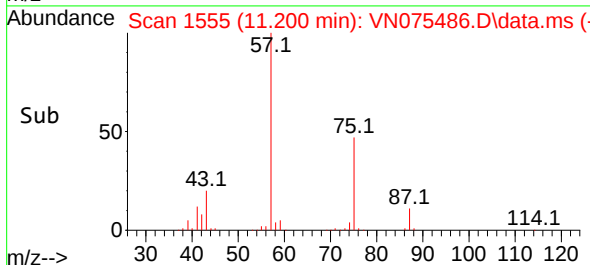
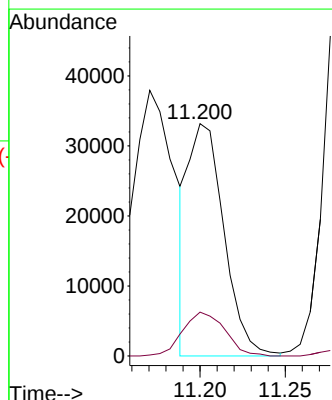
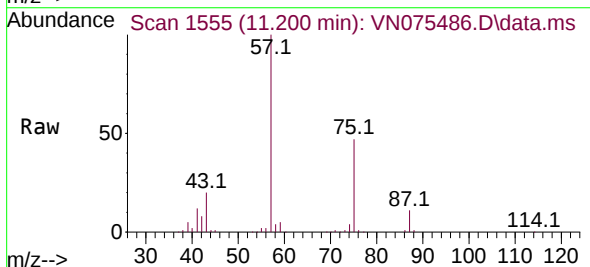
Acq: 29 Nov 2022 19:13

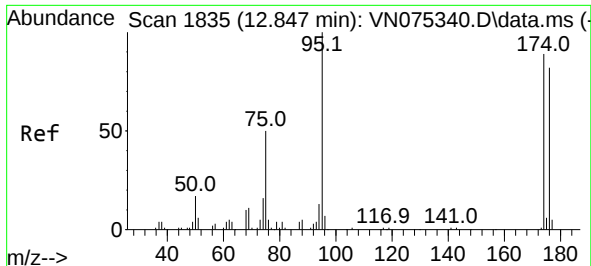
Tgt Ion: 43 Resp: 48144

Ion Ratio Lower Upper

43 100

58 22.4 29.6 88.8#

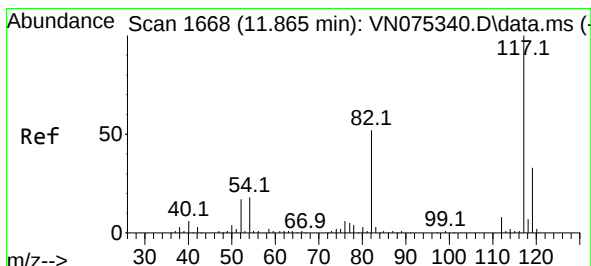
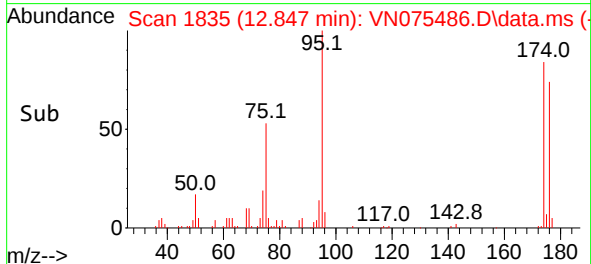
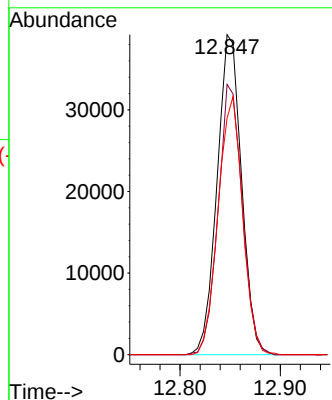
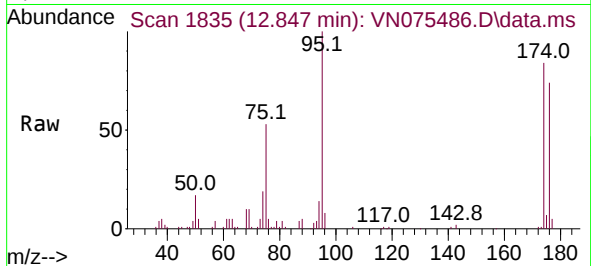




#62
4-Bromofluorobenzene
Concen: 43.980 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

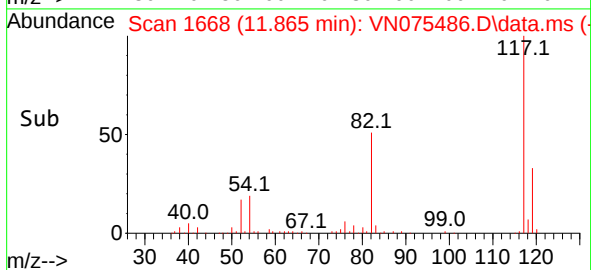
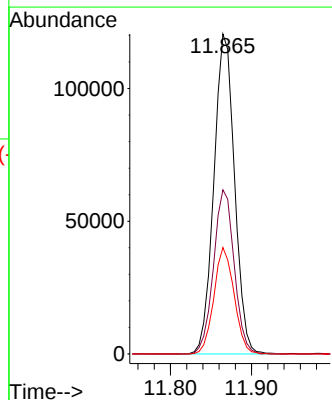
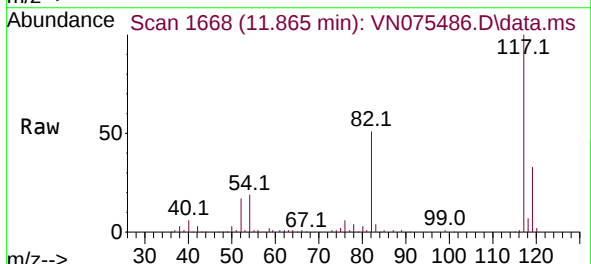
Instrument :
MSVOA_N
ClientSampleId :
TP-N

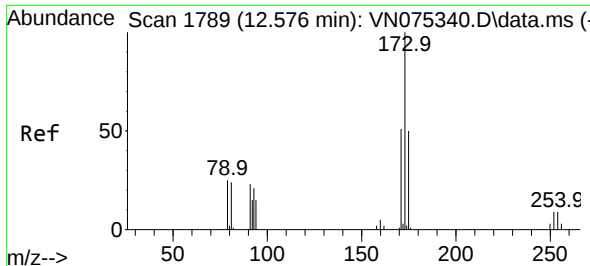
Tgt Ion: 95 Resp: 66228
Ion Ratio Lower Upper
95 100
174 83.5 0.0 147.4
176 80.6 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

Tgt Ion: 117 Resp: 213443
Ion Ratio Lower Upper
117 100
82 51.3 43.1 64.7
119 33.3 25.5 38.3

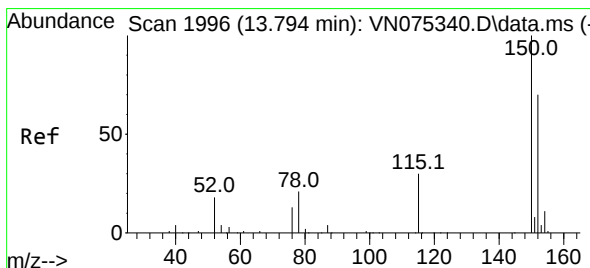
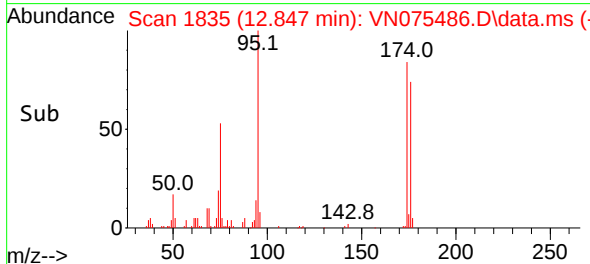
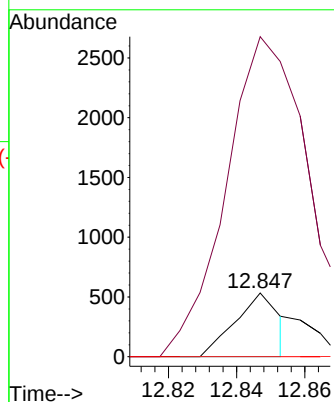
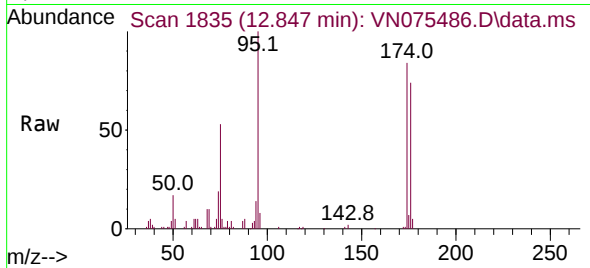




#71
Bromoform
Concen: 0.387 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

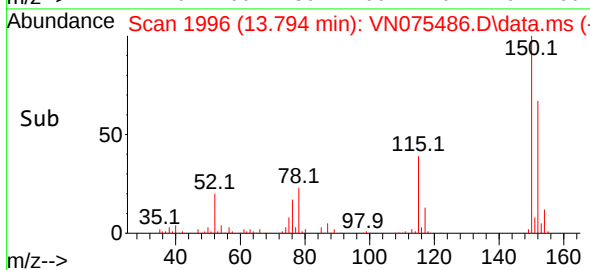
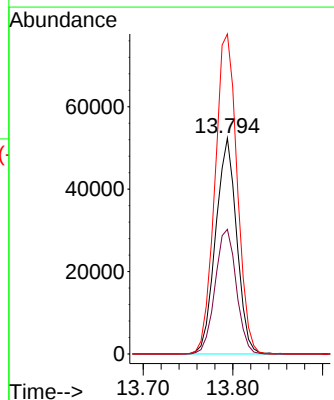
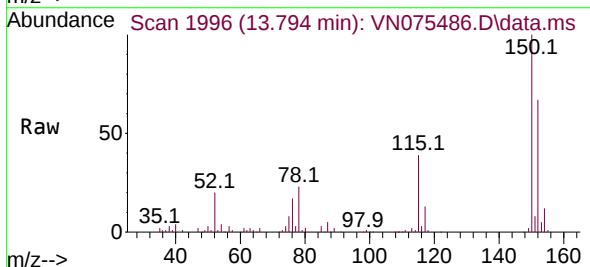
Instrument :
MSVOA_N
ClientSampleId :
TP-N

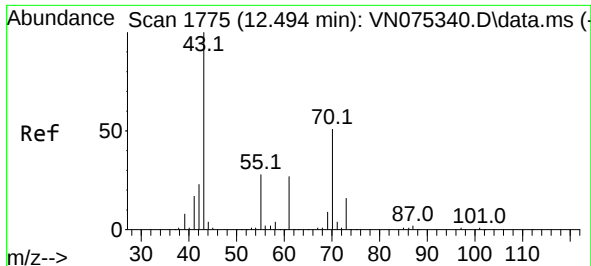
Tgt Ion:173 Resp: 484
Ion Ratio Lower Upper
173 100
175 667.1 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

Tgt Ion:152 Resp: 85225
Ion Ratio Lower Upper
152 100
115 58.2 30.2 90.6
150 156.1 0.0 348.4

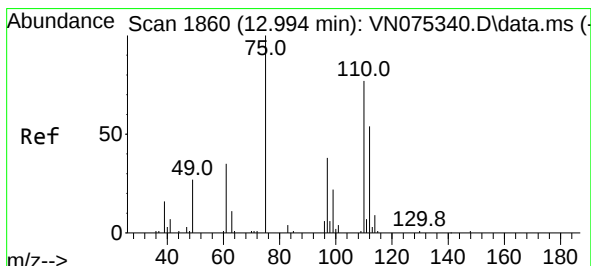
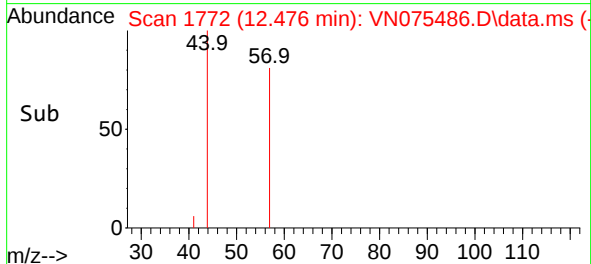
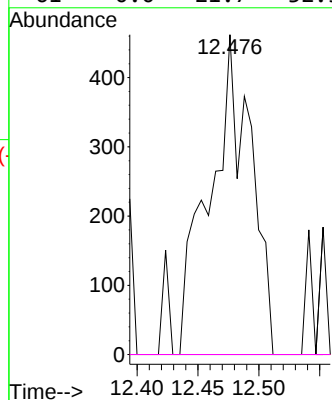
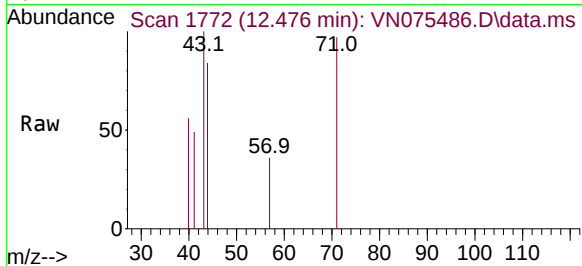




#74
N-amy1 acetate
Concen: 0.568 ug/l
RT: 12.476 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

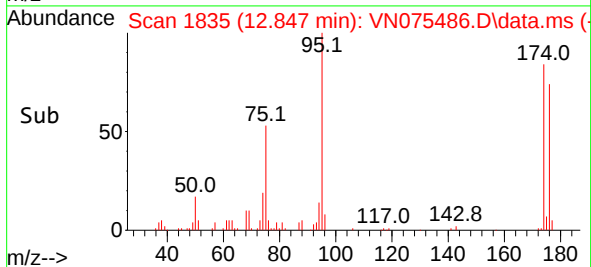
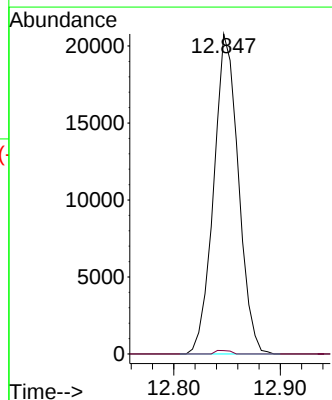
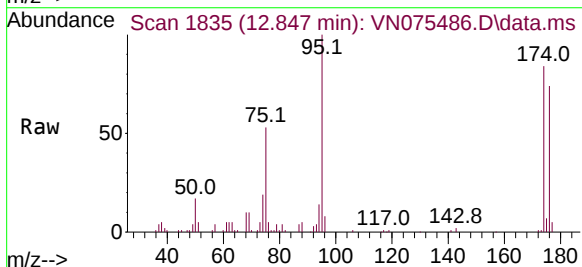
Instrument :
MSVOA_N
ClientSampleId :
TP-N

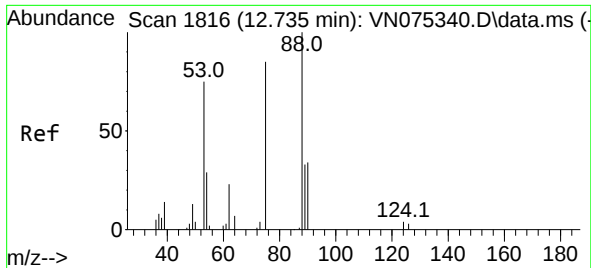
Tgt Ion: 43	Resp:	1087
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.8 59.8#
55	0.0	19.9 29.9#
61	0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 20.728 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075486.D
Acq: 29 Nov 2022 19:13

Tgt Ion: 75	Resp:	33401
Ion	Ratio	Lower Upper
75	100	
77	0.7	75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.330 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075486.D
 Acq: 29 Nov 2022 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-N

Tgt Ion: 75 Resp: 33401
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

