

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112922\
 Data File : VN075481.D
 Acq On : 29 Nov 2022 17:14
 Operator : JC\MD
 Sample : N5780-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-M

Quant Time: Nov 30 02:29:47 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)

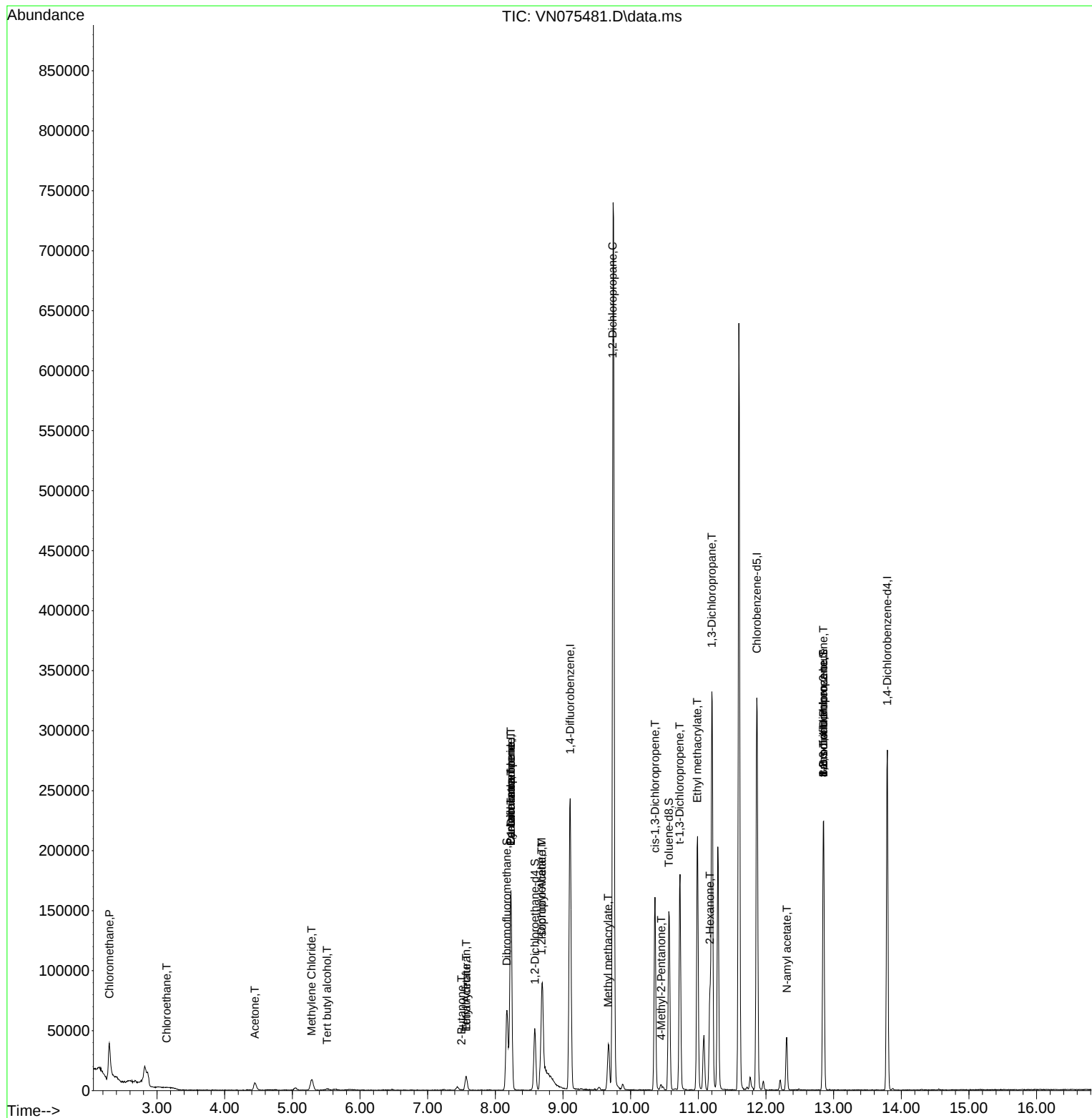
Internal Standards						
1) Pentafluorobenzene	8.230	168	127448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	225448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	205461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	80034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	41028	59.972	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.940%	
35) Dibromofluoromethane	8.171	113	50215	56.700	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.400%	
50) Toluene-d8	10.565	98	109158	54.724	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.440%	
62) 4-Bromofluorobenzene	12.847	95	78610	53.393	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.295	50	754	0.622	ug/l #	42
6) Chloroethane	3.142	64	283	0.244	ug/l #	45
11) Tert butyl alcohol	5.512	59	831	2.894	ug/l #	72
16) Acetone	4.448	43	12181	19.089	ug/l	92
18) Methyl Acetate	5.036	43	1809	Below Cal	#	56
20) Methylene Chloride	5.283	84	7672	4.772	ug/l #	87
25) 2-Butanone	7.500	43	822	0.923	ug/l #	43
29) Tetrahydrofuran	7.571	42	946	1.746	ug/l #	26
31) Cyclohexane	8.230	56	2365	1.088	ug/l #	45
36) 1,1-Dichloropropene	8.230	75	9466	4.901	ug/l #	45
37) Ethyl Acetate	7.571	43	16713	9.610	ug/l	97
38) Carbon Tetrachloride	8.230	117	12887	6.074	ug/l #	18
42) 1,2-Dichloroethane	8.683	62	590	0.298	ug/l #	75
43) Isopropyl Acetate	8.688	43	122492	43.882	ug/l #	78
45) 1,2-Dichloropropane	9.735	63	1010	0.717	ug/l #	42
48) Methyl methacrylate	9.665	41	2215	1.716	ug/l #	33
51) 4-Methyl-2-Pentanone	10.453	43	5667	3.187	ug/l #	58
53) t-1,3-Dichloropropene	10.724	75	458	0.221	ug/l #	62
54) cis-1,3-Dichloropropene	10.359	75	31323	13.918	ug/l #	63
56) Ethyl methacrylate	10.982	69	962	0.459	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4064	1.606	ug/l #	42
59) 2-Hexanone	11.171	43	64114	48.024	ug/l #	21
71) Bromoform	12.847	173	718	0.596	ug/l #	1
74) N-amyl acetate	12.306	43	12817	7.130	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	39414	26.046	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	39414	77.065	ug/l #	10

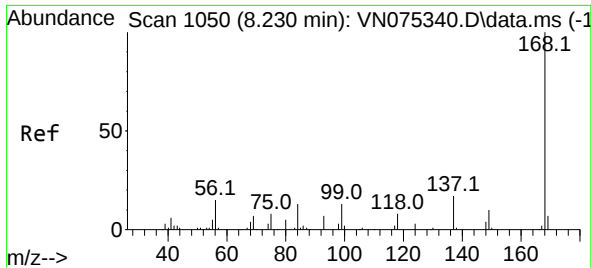
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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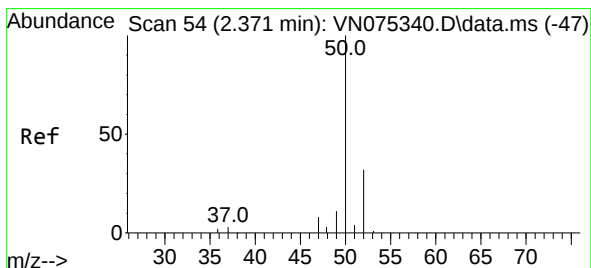
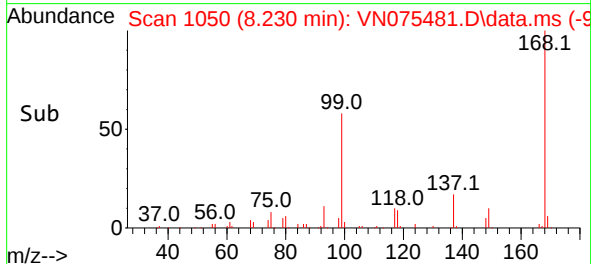
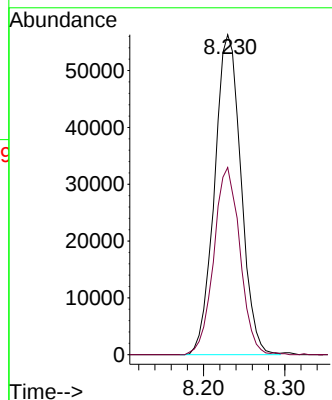
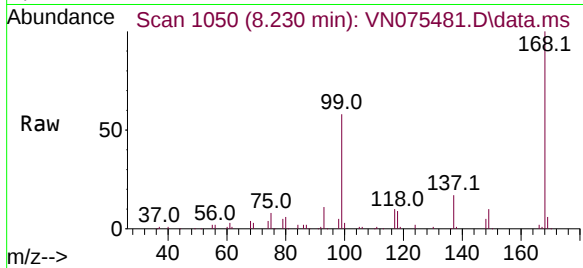




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075481.D
Acq: 29 Nov 2022 17:14

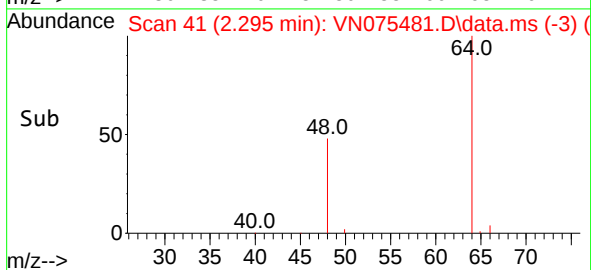
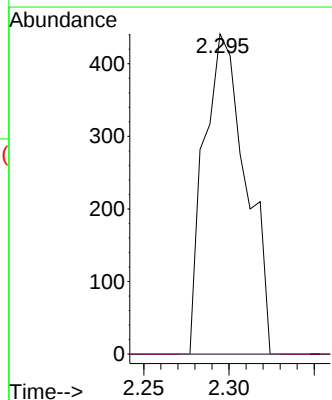
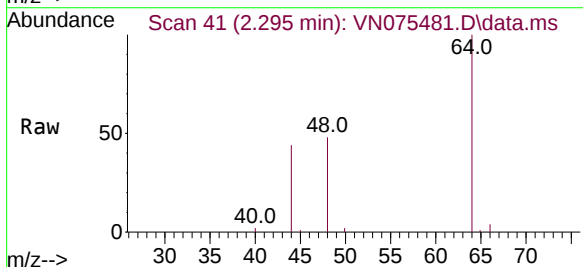
Instrument :
MSVOA_N
ClientSampleId :
TP-M

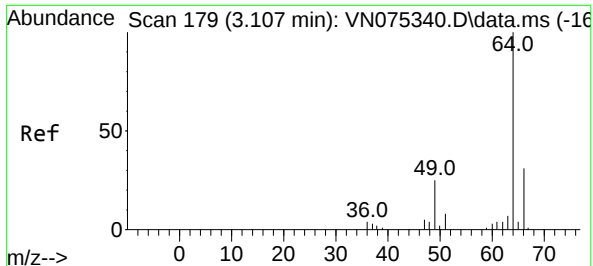
Tgt Ion:168 Resp: 127448
Ion Ratio Lower Upper
168 100
99 58.5 51.6 77.4



#3
Chloromethane
Concen: 0.622 ug/l
RT: 2.295 min Scan# 41
Delta R.T. -0.076 min
Lab File: VN075481.D
Acq: 29 Nov 2022 17:14

Tgt Ion: 50 Resp: 754
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

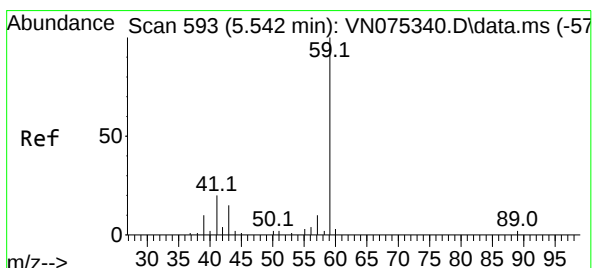
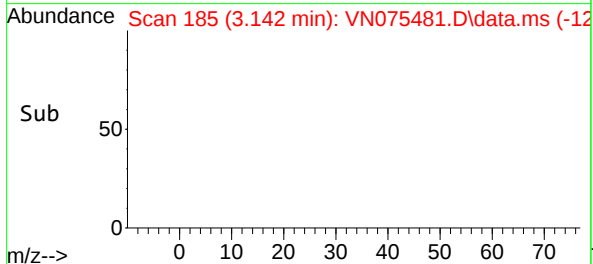
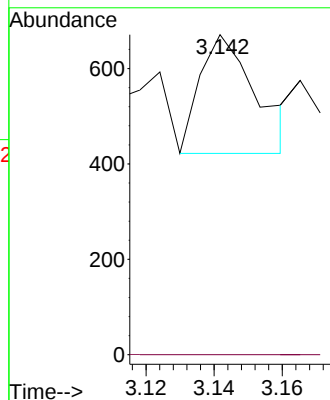
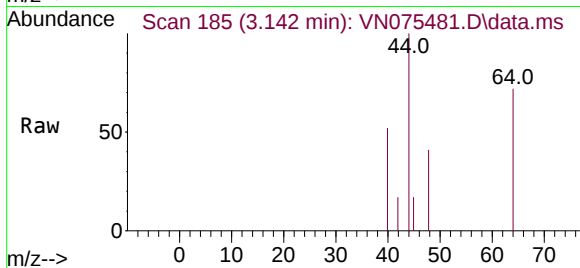




#6
Chloroethane
Concen: 0.244 ug/l
RT: 3.142 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN075481.D
Acq: 29 Nov 2022 17:14

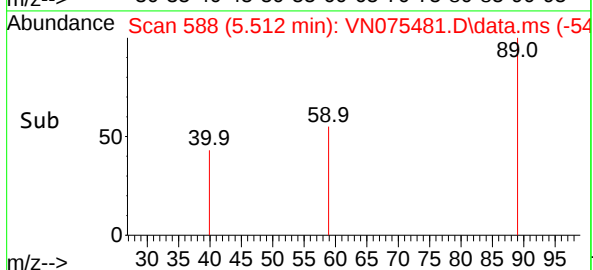
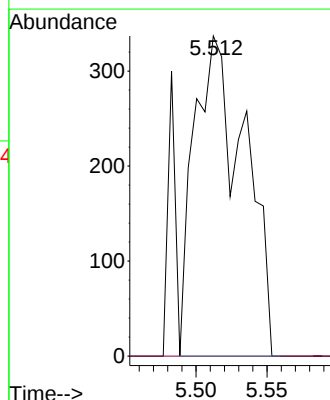
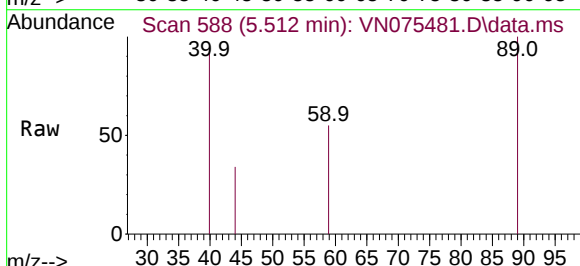
Instrument :
MSVOA_N
ClientSampleId :
TP-M

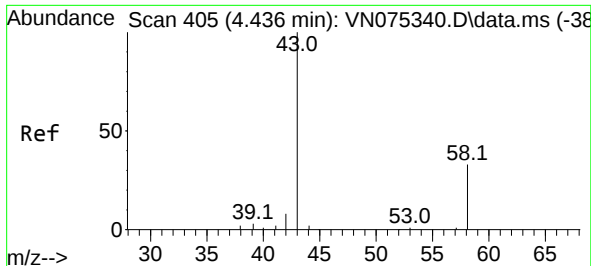
Tgt Ion: 64 Resp: 283
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 2.894 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075481.D
Acq: 29 Nov 2022 17:14

Tgt Ion: 59 Resp: 831
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 19.089 ug/l

RT: 4.448 min Scan# 405

Delta R.T. 0.012 min

Lab File: VN075481.D

Acq: 29 Nov 2022 17:14

Instrument :

MSVOA_N

ClientSampleId :

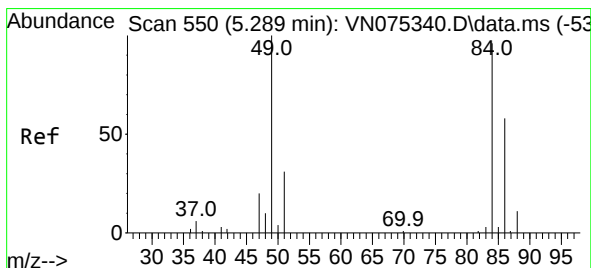
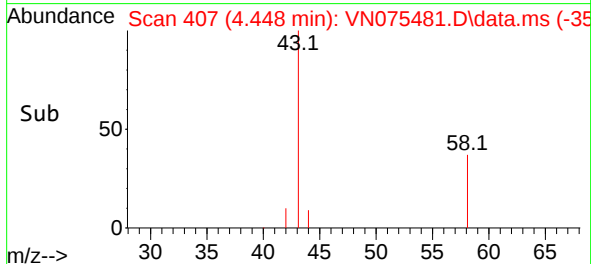
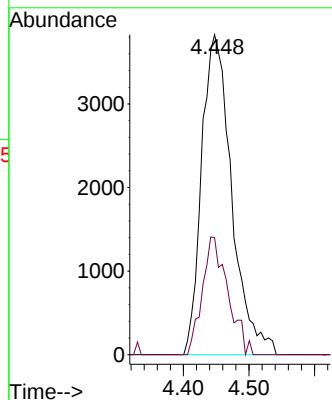
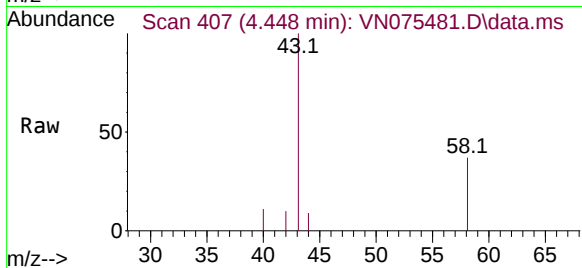
TP-M

Tgt Ion: 43 Resp: 12181

Ion Ratio Lower Upper

43 100

58 36.5 25.5 38.3



#20

Methylene Chloride

Concen: 4.772 ug/l

RT: 5.283 min Scan# 549

Delta R.T. -0.006 min

Lab File: VN075481.D

Acq: 29 Nov 2022 17:14

Tgt Ion: 84 Resp: 7672

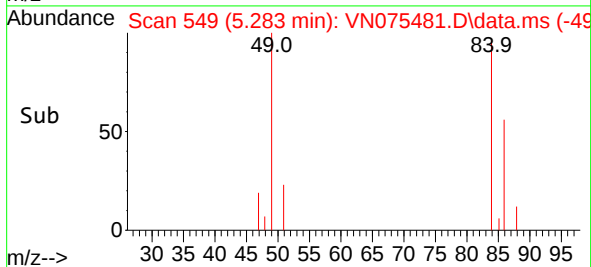
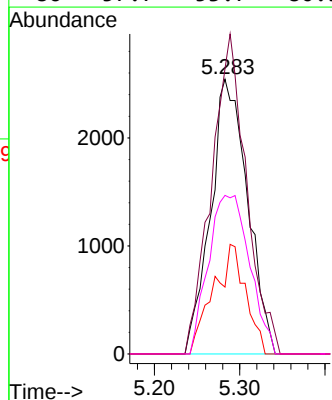
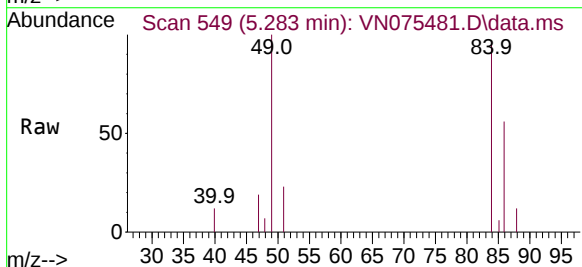
Ion Ratio Lower Upper

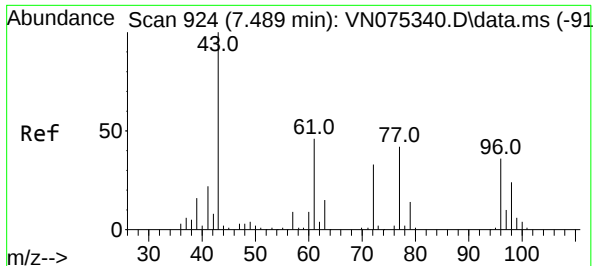
84 100

49 103.9 94.9 142.3

51 24.3 26.8 40.2#

86 57.7 53.7 80.5





#25

2-Butanone

Concen: 0.923 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.011 min

Lab File: VN075481.D

Acq: 29 Nov 2022 17:14

Instrument :

MSVOA_N

ClientSampleId :

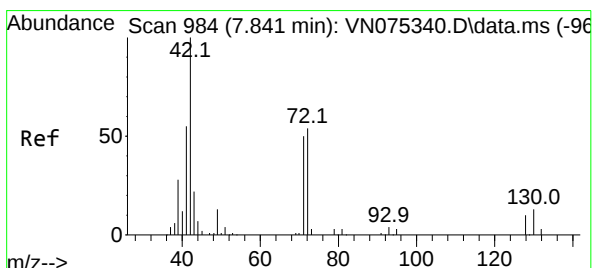
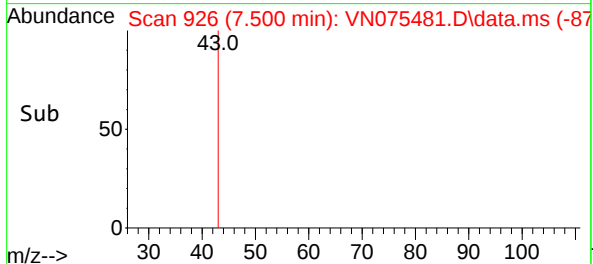
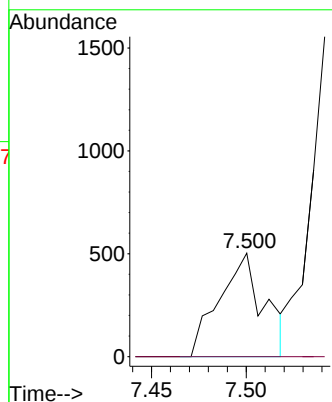
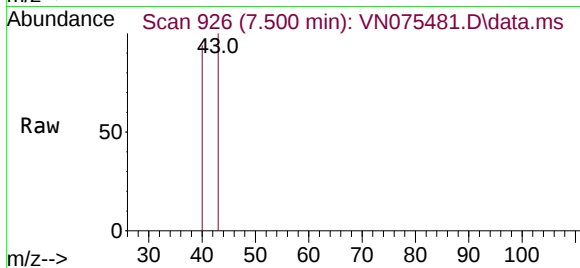
TP-M

Tgt Ion: 43 Resp: 822

Ion Ratio Lower Upper

43 100

72 0.0 25.5 38.3#



#29

Tetrahydrofuran

Concen: 1.746 ug/l

RT: 7.571 min Scan# 938

Delta R.T. -0.270 min

Lab File: VN075481.D

Acq: 29 Nov 2022 17:14

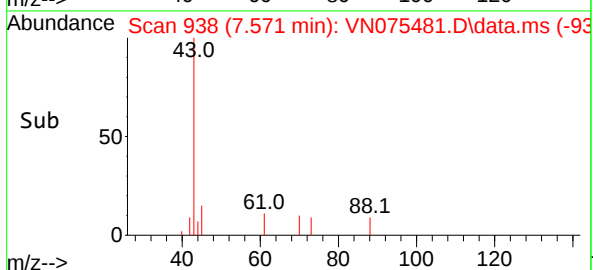
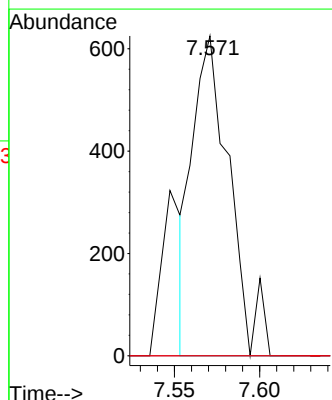
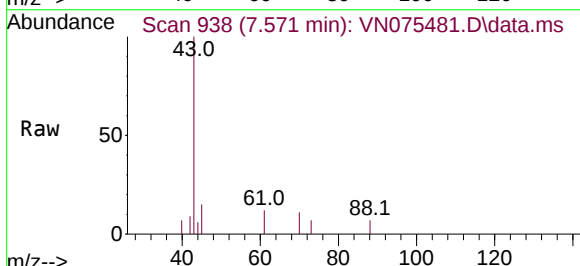
Tgt Ion: 42 Resp: 946

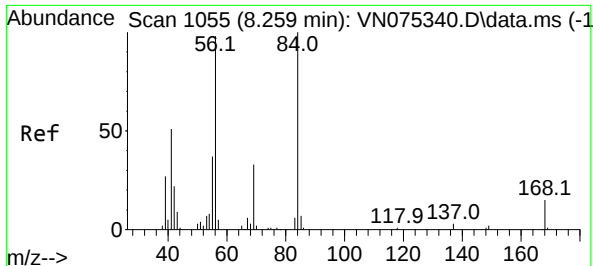
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#





#31

Cyclohexane

Concen: 1.088 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN075481.D

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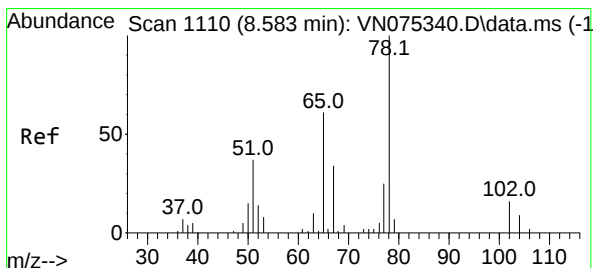
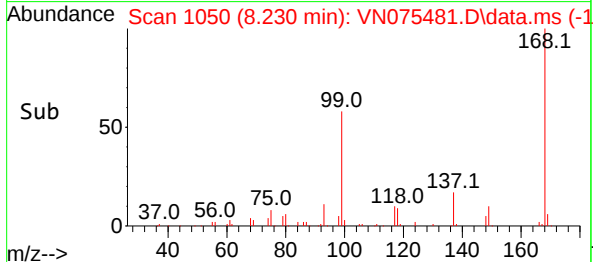
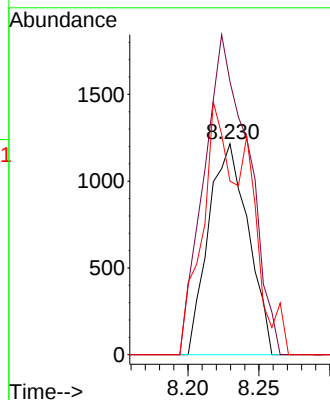
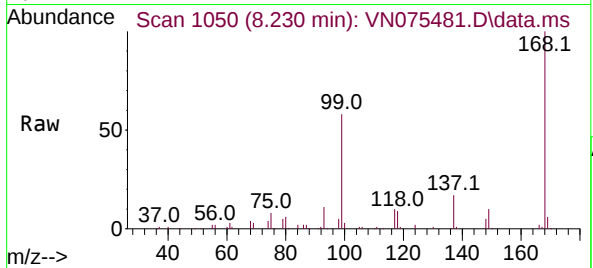
Tgt Ion: 56 Resp: 2365

Ion Ratio Lower Upper

56 100

69 129.5 25.2 37.8#

84 82.4 77.8 116.8



#33

1,2-Dichloroethane-d4

Concen: 59.972 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075481.D

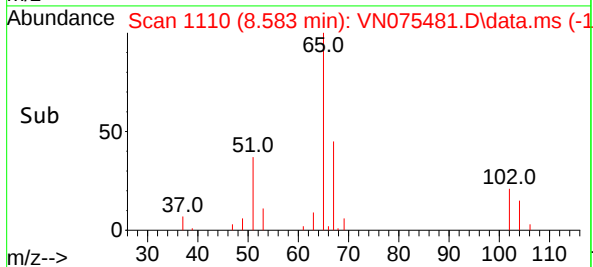
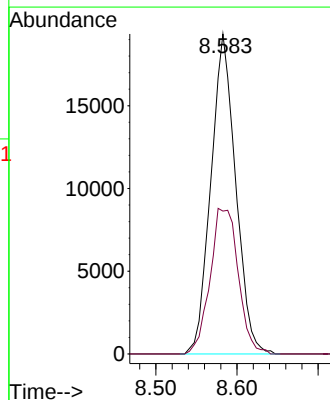
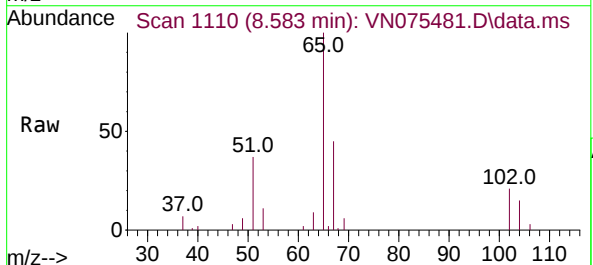
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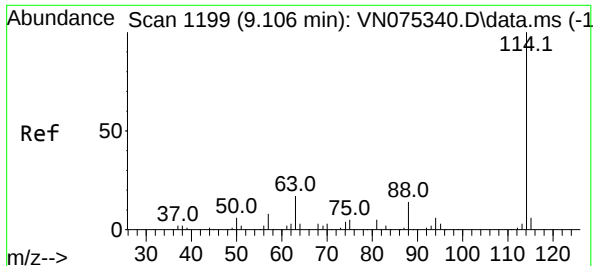
Tgt Ion: 65 Resp: 41028

Ion Ratio Lower Upper

65 100

67 51.6 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: VN075481.D

Acq: 29 Nov 2022 17:14

Instrument :

MSVOA_N

ClientSampleId :

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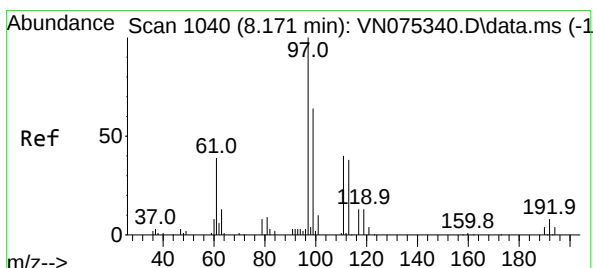
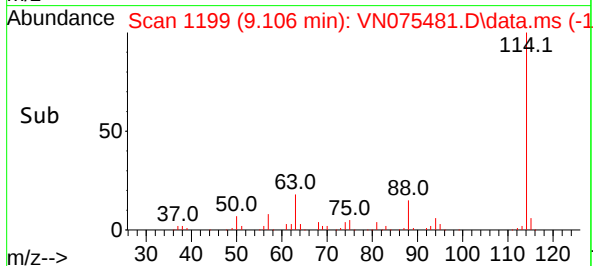
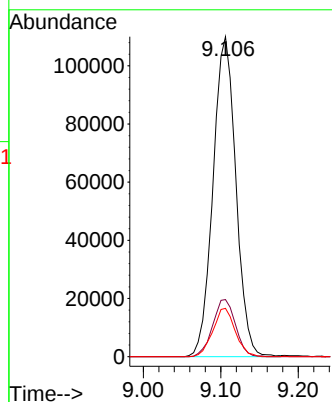
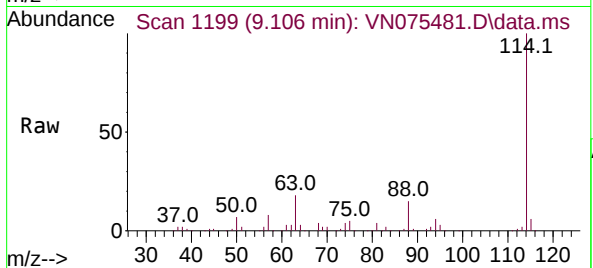
Tgt Ion:114 Resp: 225448

Ion Ratio Lower Upper

114 100

63 17.9 0.0 39.6

88 15.1 0.0 29.0



#35

Dibromofluoromethane

Concen: 56.700 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075481.D

Acq: 29 Nov 2022 17:14

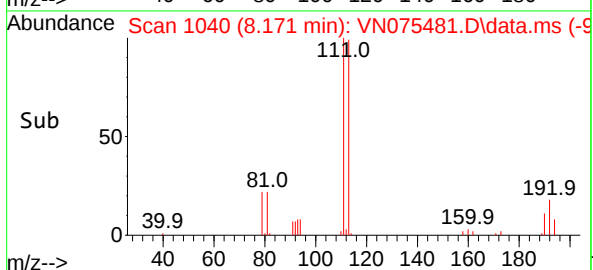
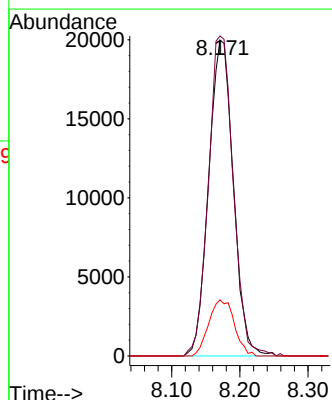
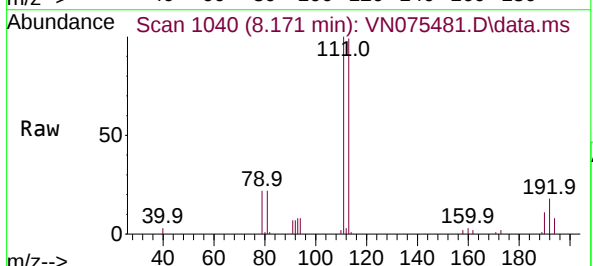
Tgt Ion:113 Resp: 50215

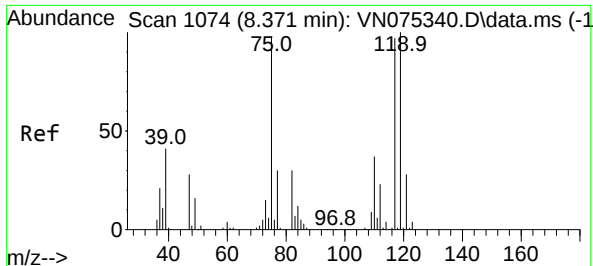
Ion Ratio Lower Upper

113 100

111 102.1 80.5 120.7

192 18.5 13.2 19.8

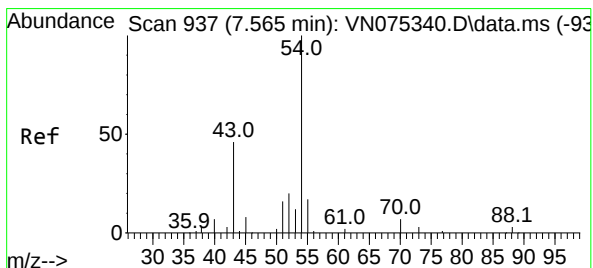
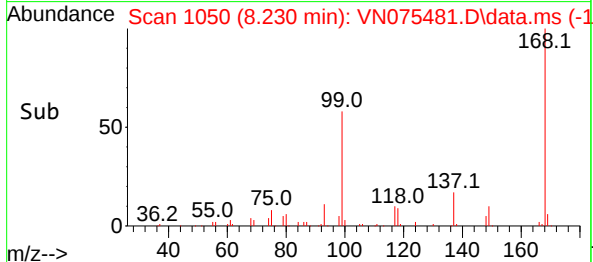
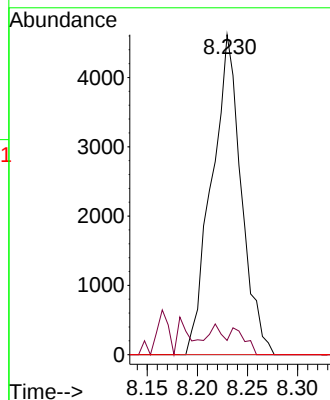
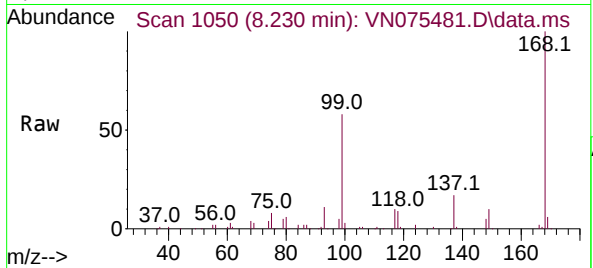




#36
1,1-Dichloropropene
Concen: 4.901 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075481.D
Acq: 29 Nov 2022 17:14

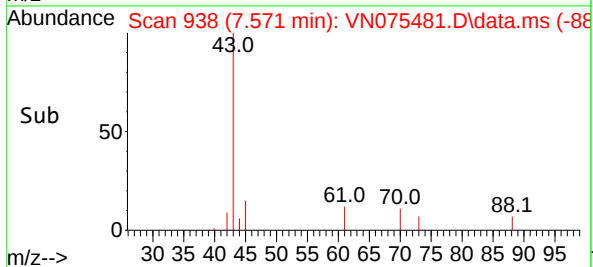
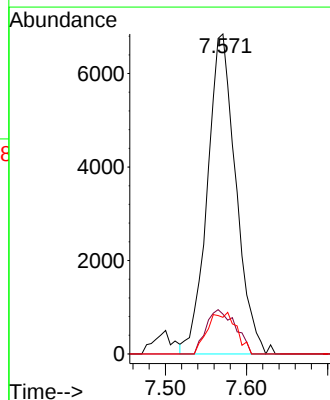
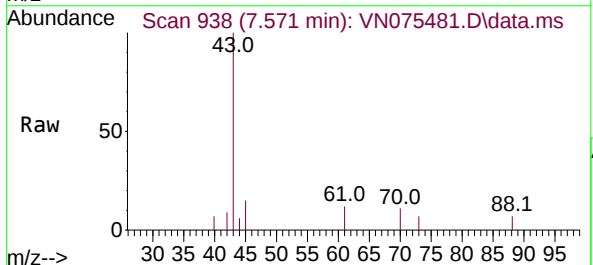
Instrument :
MSVOA_N
ClientSampleId :
TP-M

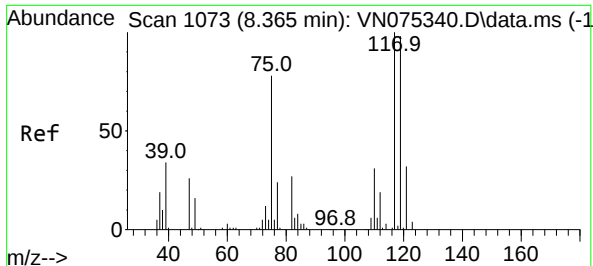
Tgt Ion: 75 Resp: 9466
Ion Ratio Lower Upper
75 100
110 4.2 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 9.610 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN075481.D
Acq: 29 Nov 2022 17:14

Tgt Ion: 43 Resp: 16713
Ion Ratio Lower Upper
43 100
61 14.3 12.2 18.4
70 13.0 9.4 14.2

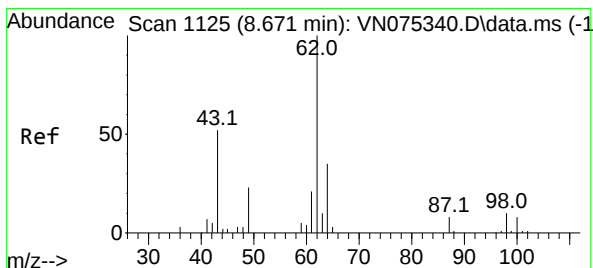
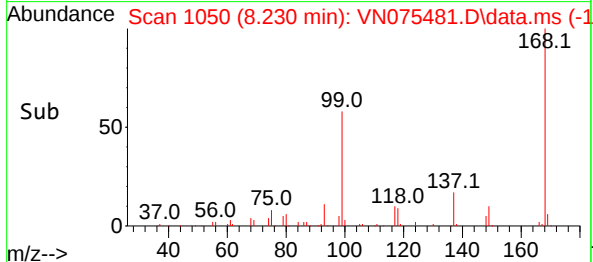
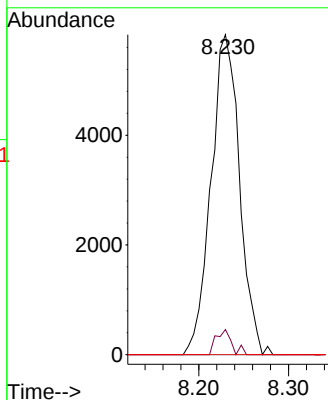
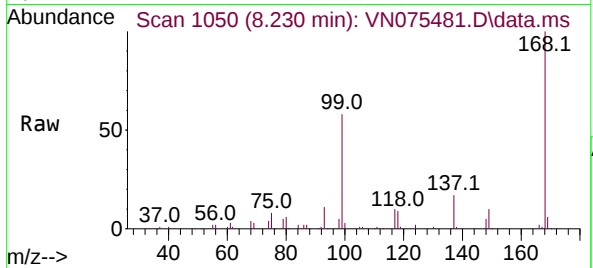




#38
Carbon Tetrachloride
Concen: 6.074 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN075481.D
Acq: 29 Nov 2022 17:14

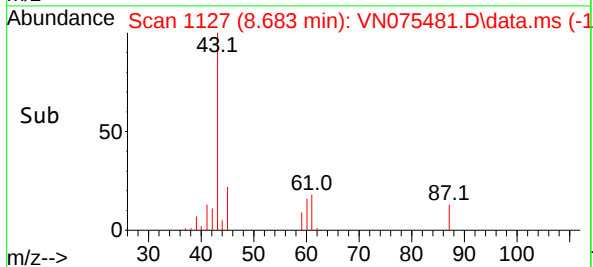
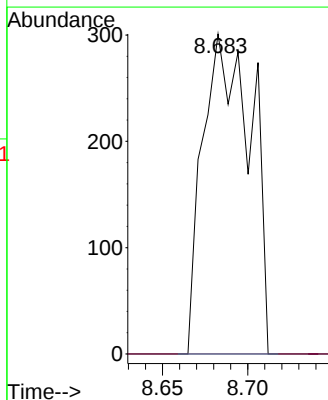
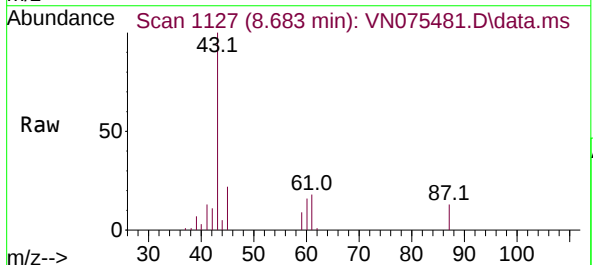
Instrument :
MSVOA_N
ClientSampleId :
TP-M

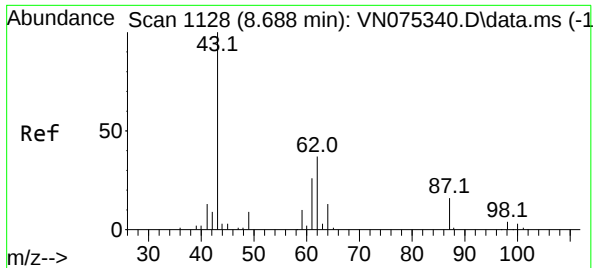
Tgt Ion:117 Resp: 12887
Ion Ratio Lower Upper
117 100
119 7.9 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.298 ug/l
RT: 8.683 min Scan# 1127
Delta R.T. 0.012 min
Lab File: VN075481.D
Acq: 29 Nov 2022 17:14

Tgt Ion: 62 Resp: 590
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

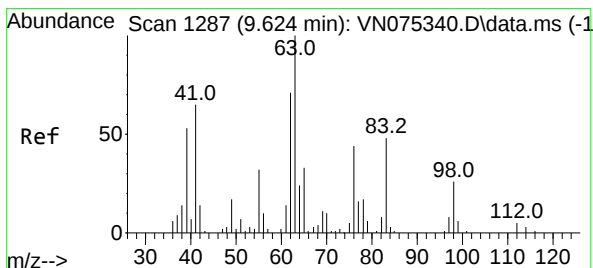
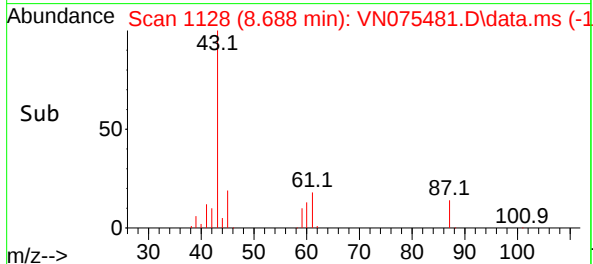
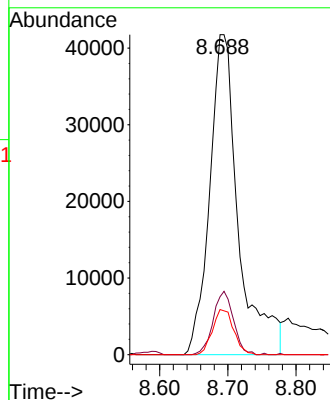
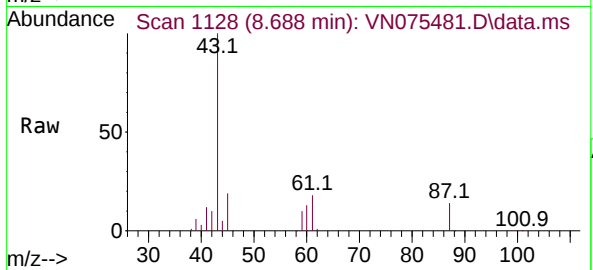




#43
Isopropyl Acetate
Concen: 43.882 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN075481.D
Acq: 29 Nov 2022 17:14

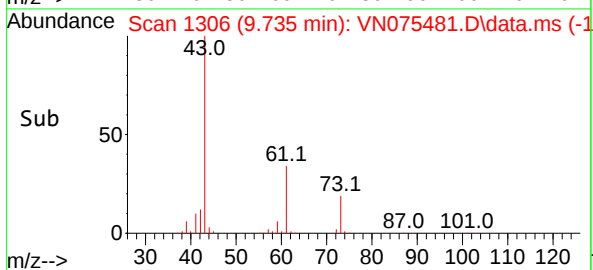
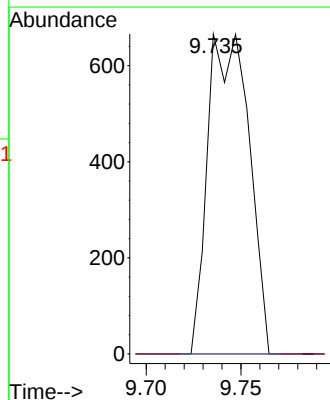
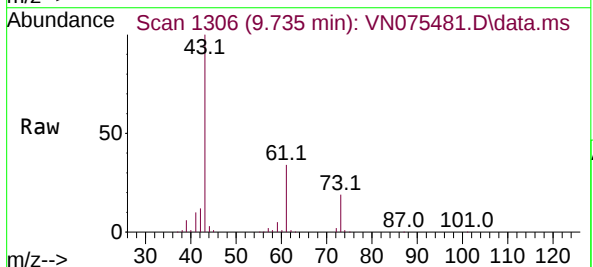
Instrument :
MSVOA_N
ClientSampleId :
TP-M

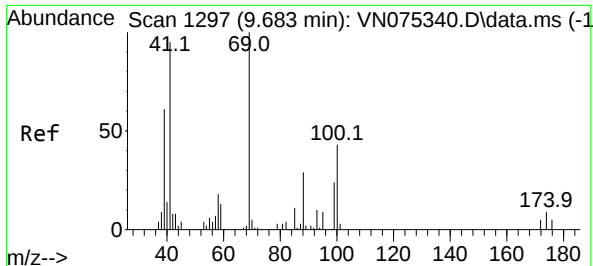
Tgt Ion: 43 Resp: 122492
Ion Ratio Lower Upper
43 100
61 14.0 22.4 33.6#
87 10.4 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.717 ug/l
RT: 9.735 min Scan# 1306
Delta R.T. 0.111 min
Lab File: VN075481.D
Acq: 29 Nov 2022 17:14

Tgt Ion: 63 Resp: 1010
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.716 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.018 min

Lab File: VN075481.D

Acq: 29 Nov 2022 17:14

Instrument :

MSVOA_N

ClientSampleId :

TP-M

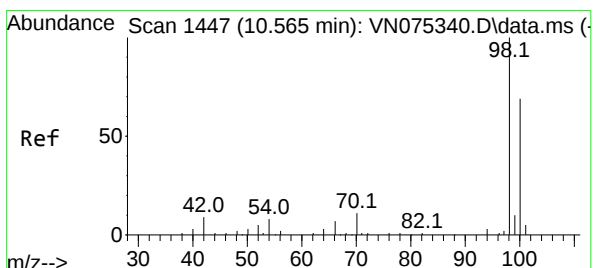
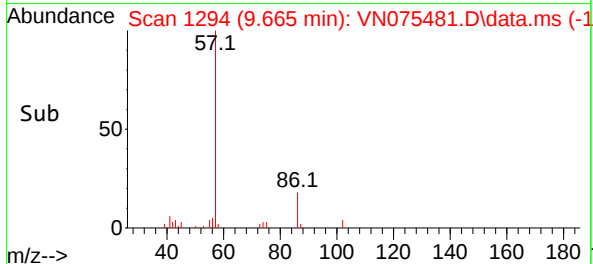
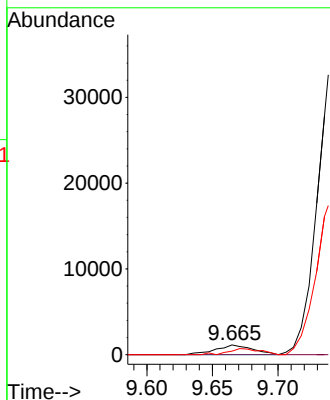
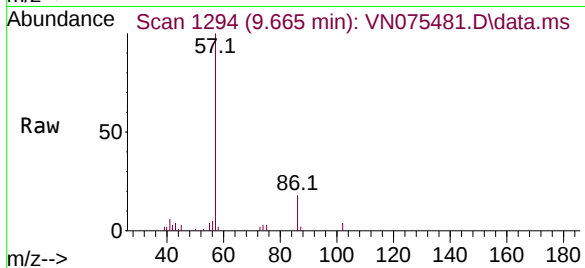
Tgt Ion: 41 Resp: 2215

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 54.3 56.2 84.2#



#50

Toluene-d8

Concen: 54.724 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VN075481.D

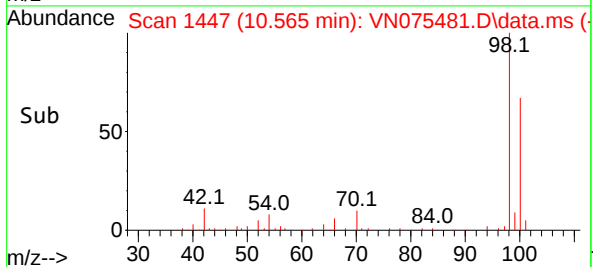
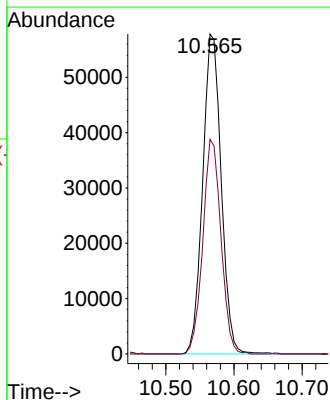
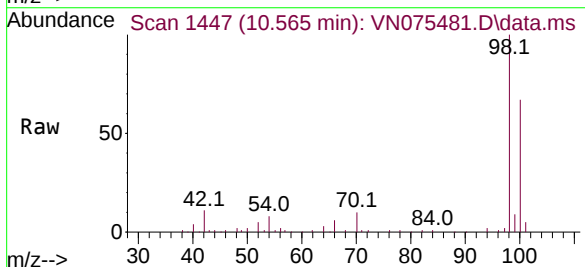
Acq: 29 Nov 2022 17:14

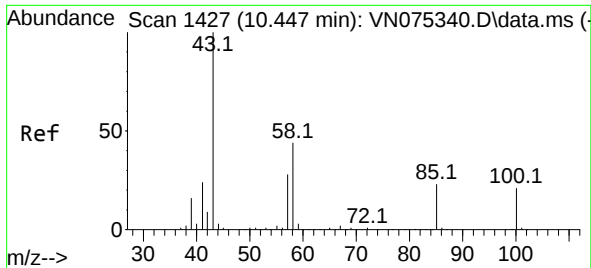
Tgt Ion: 98 Resp: 109158

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6

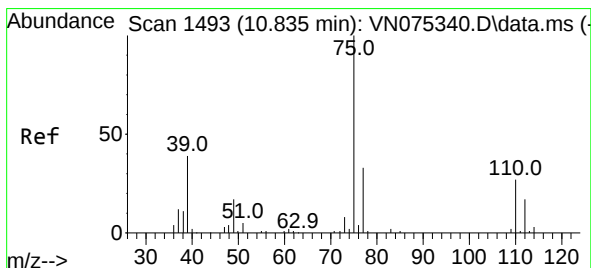
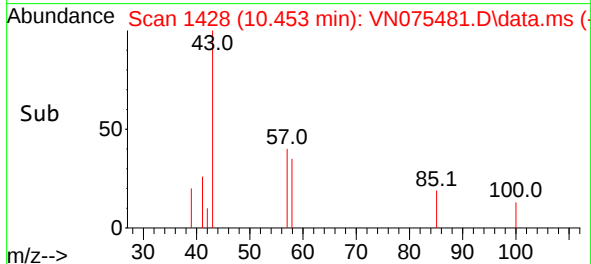
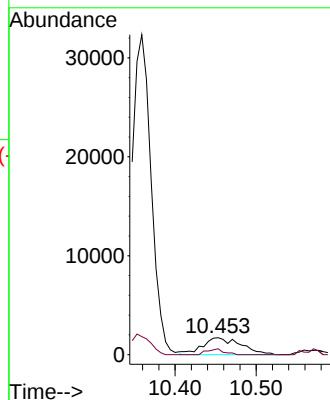
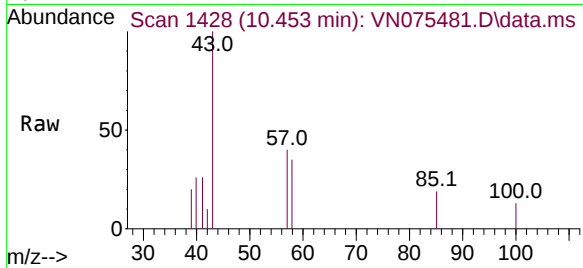




#51
4-Methyl-2-Pentanone
Concen: 3.187 ug/l
RT: 10.453 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VN075481.D
Acq: 29 Nov 2022 17:14

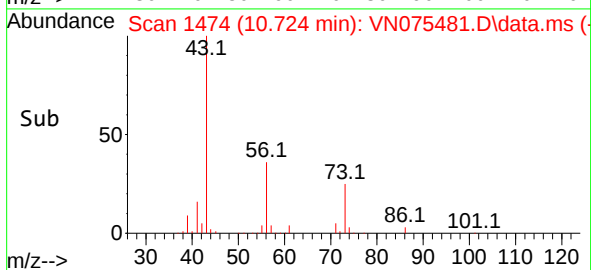
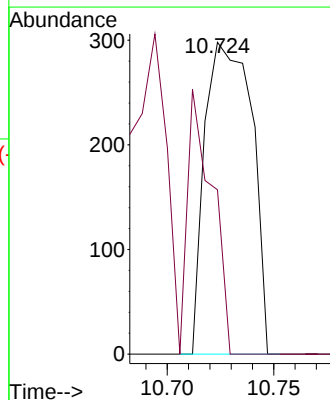
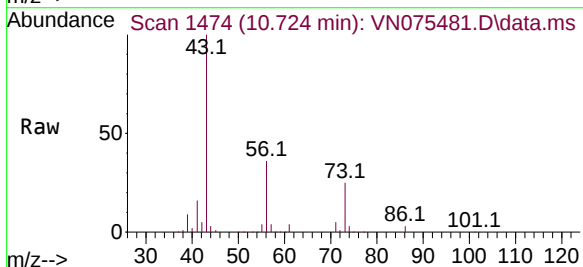
Instrument :
MSVOA_N
ClientSampleId :
TP-M

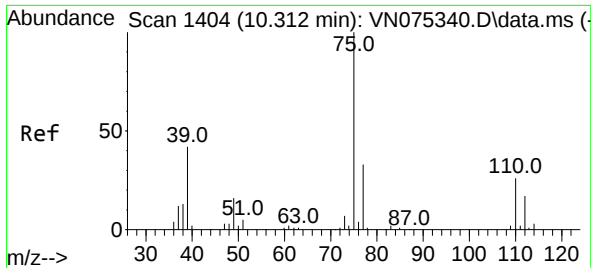
Tgt Ion: 43 Resp: 5667
Ion Ratio Lower Upper
43 100
58 15.2 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.221 ug/l
RT: 10.724 min Scan# 1474
Delta R.T. -0.111 min
Lab File: VN075481.D
Acq: 29 Nov 2022 17:14

Tgt Ion: 75 Resp: 458
Ion Ratio Lower Upper
75 100
77 52.7 25.4 38.2#

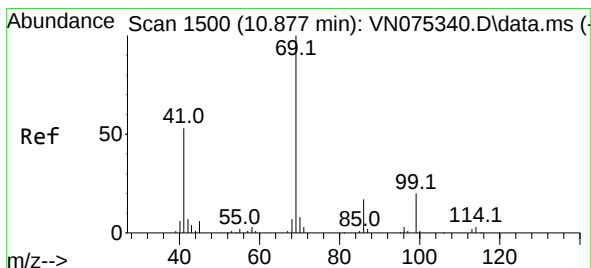
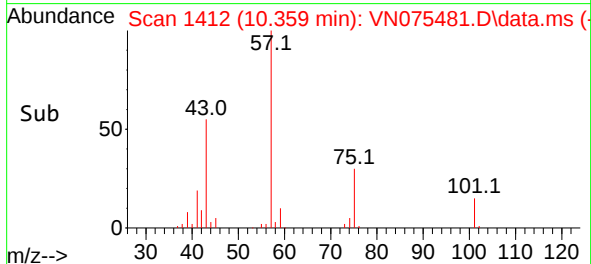
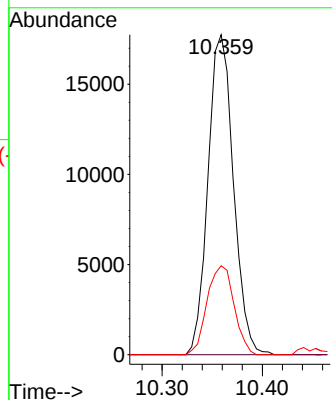
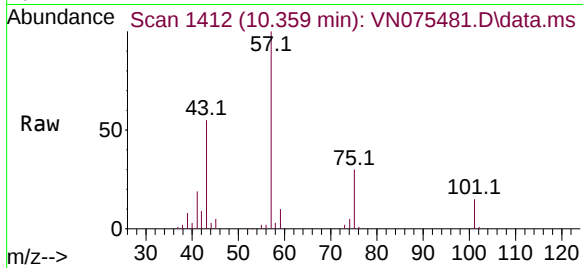




#54
 cis-1,3-Dichloropropene
 Concen: 13.918 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN075481.D
 Acq: 29 Nov 2022 17:14

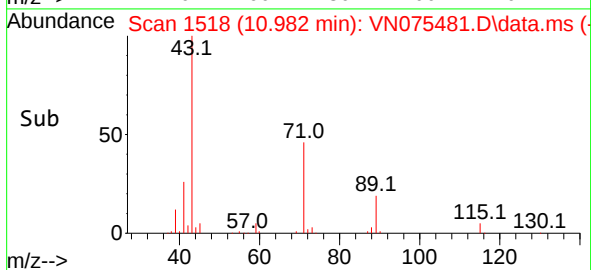
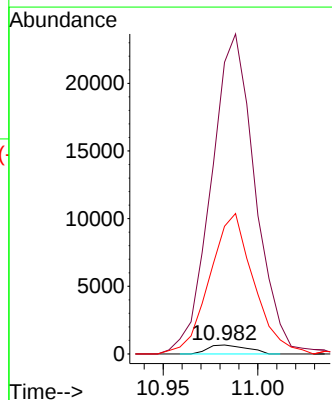
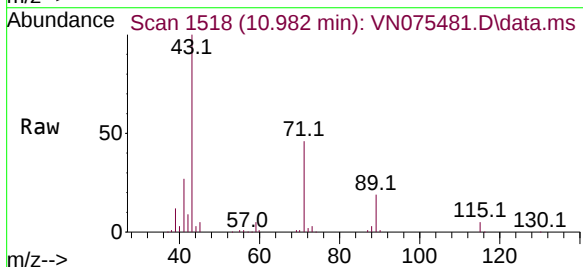
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-M

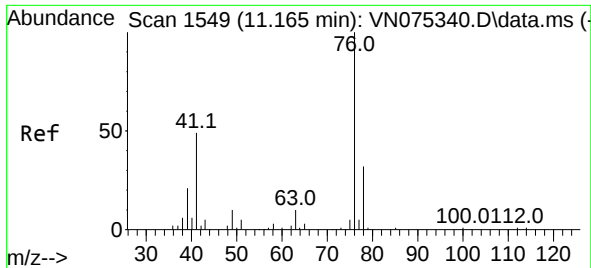
Tgt Ion: 75 Resp: 31323
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 27.8 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.459 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.105 min
 Lab File: VN075481.D
 Acq: 29 Nov 2022 17:14

Tgt Ion: 69 Resp: 962
 Ion Ratio Lower Upper
 69 100
 41 3981.5 45.6 68.4#
 39 1748.8 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.606 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075481.D

Acq: 29 Nov 2022 17:14

Instrument :

MSVOA_N

ClientSampleId :

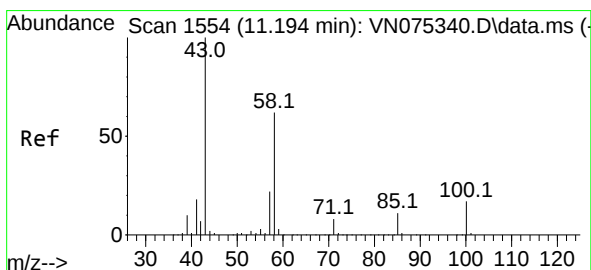
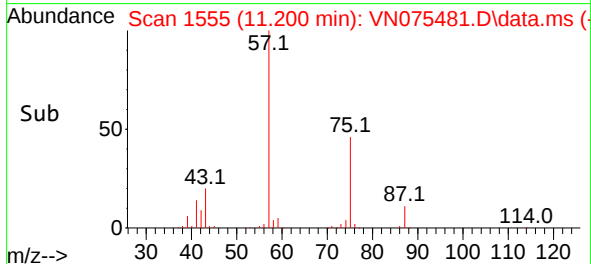
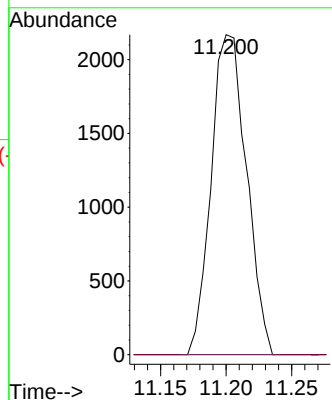
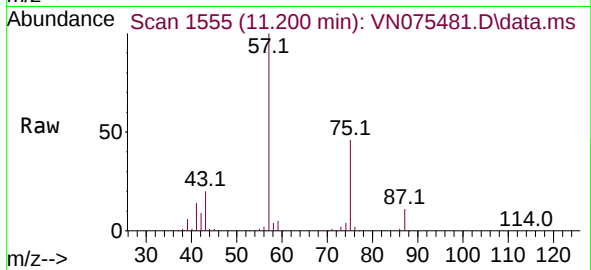
TP-M

Tgt Ion: 76 Resp: 4064

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 48.024 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.023 min

Lab File: VN075481.D

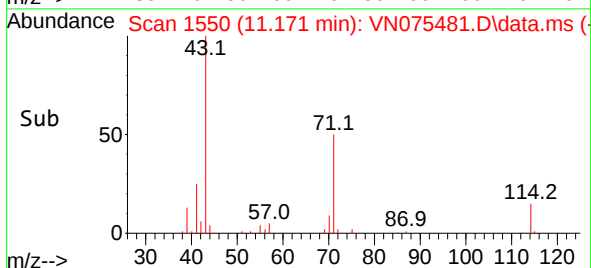
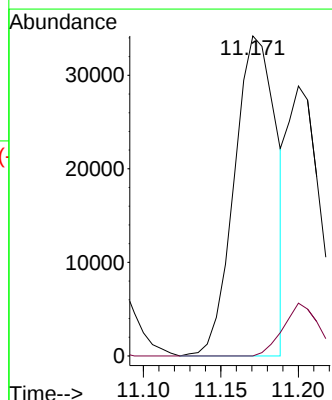
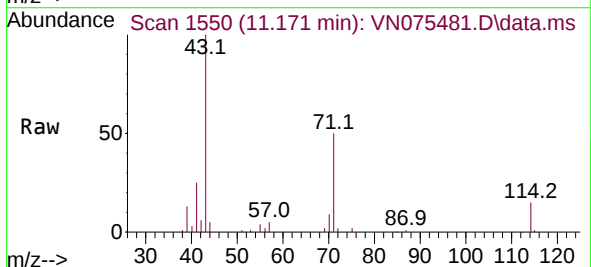
Acq: 29 Nov 2022 17:14

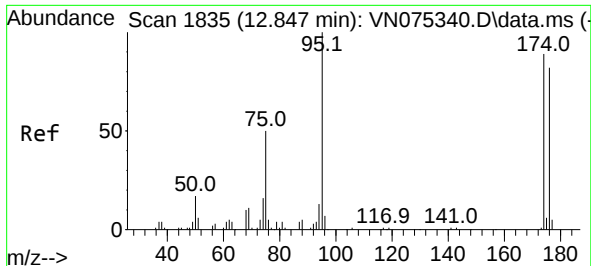
Tgt Ion: 43 Resp: 64114

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#





#62

4-Bromofluorobenzene

Concen: 53.393 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.000 min

Lab File: VN075481.D

Acq: 29 Nov 2022 17:14

Instrument :

MSVOA_N

ClientSampleId :

TP-M

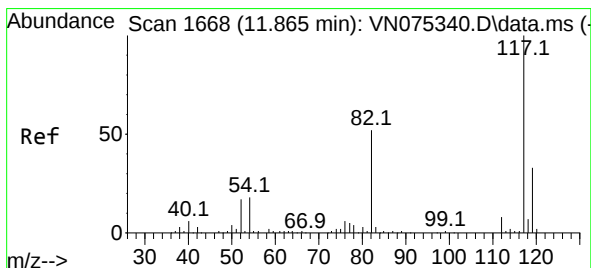
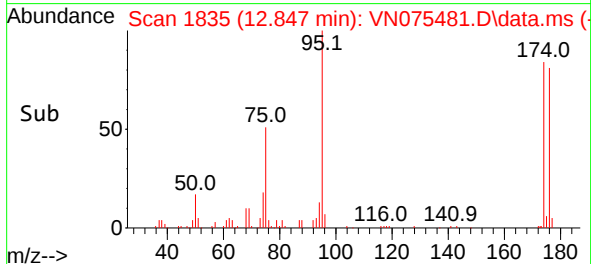
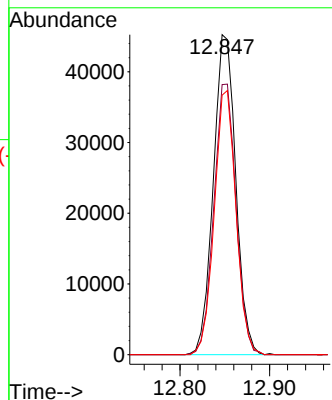
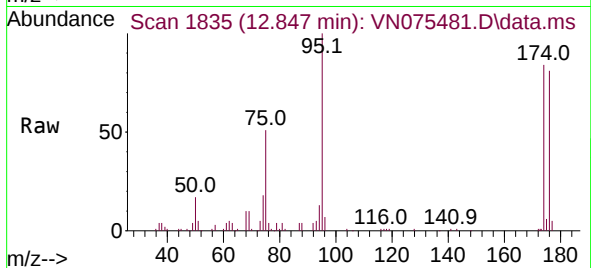
Tgt Ion: 95 Resp: 78610

Ion Ratio Lower Upper

95 100

174 83.6 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: VN075481.D

Acq: 29 Nov 2022 17:14

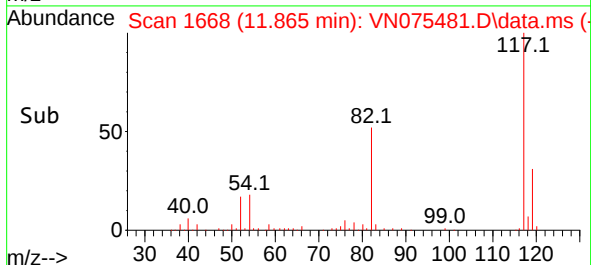
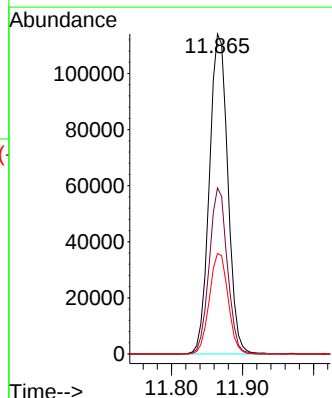
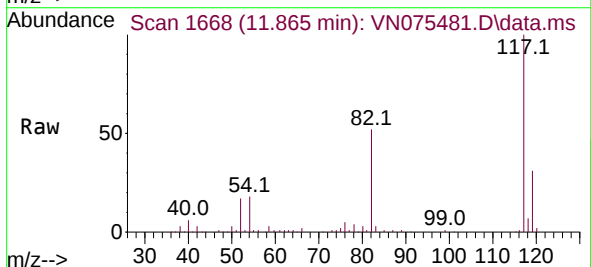
Tgt Ion: 117 Resp: 205461

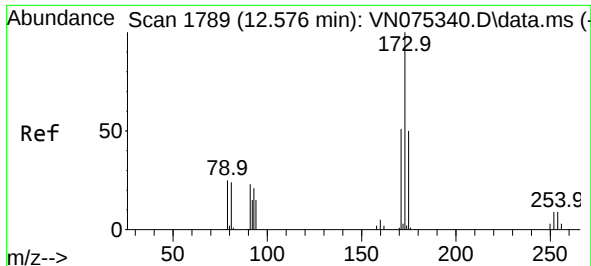
Ion Ratio Lower Upper

117 100

82 51.9 43.1 64.7

119 31.4 25.5 38.3

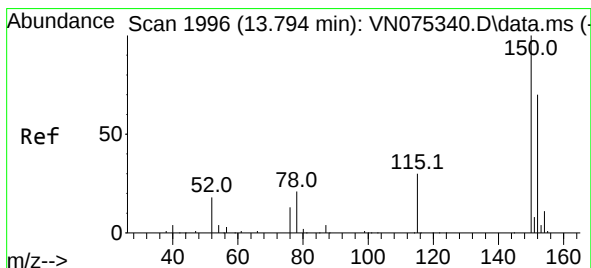
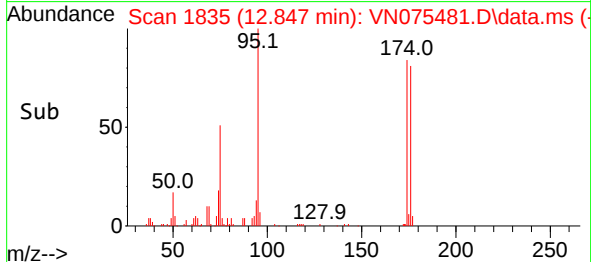
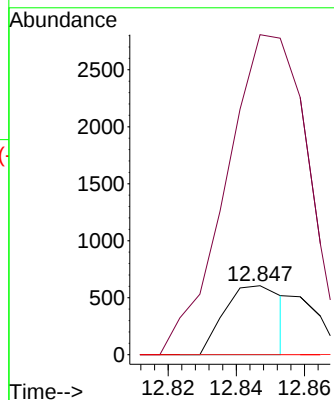
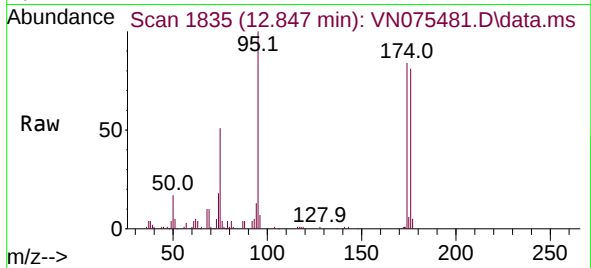




#71
Bromoform
Concen: 0.596 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075481.D
Acq: 29 Nov 2022 17:14

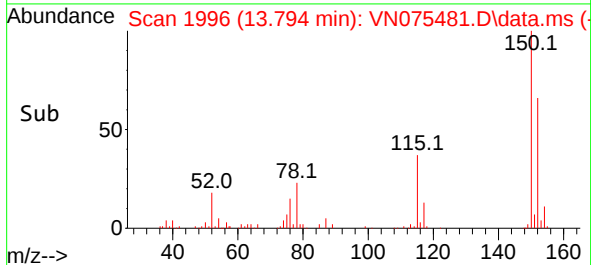
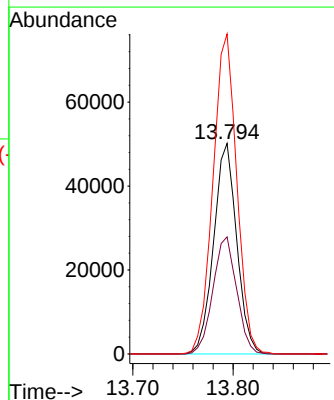
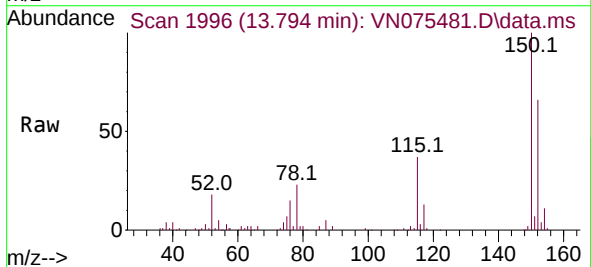
Instrument :
MSVOA_N
ClientSampleId :
TP-M

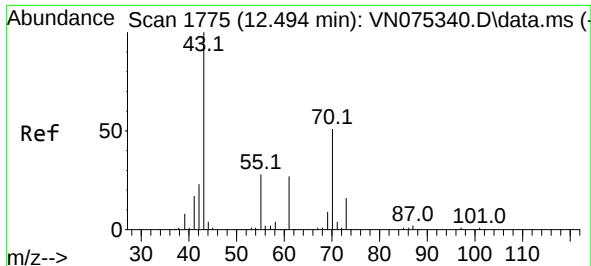
Tgt Ion:173 Resp: 718
Ion Ratio Lower Upper
173 100
175 484.1 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075481.D
Acq: 29 Nov 2022 17:14

Tgt Ion:152 Resp: 80034
Ion Ratio Lower Upper
152 100
115 57.1 30.2 90.6
150 156.3 0.0 348.4

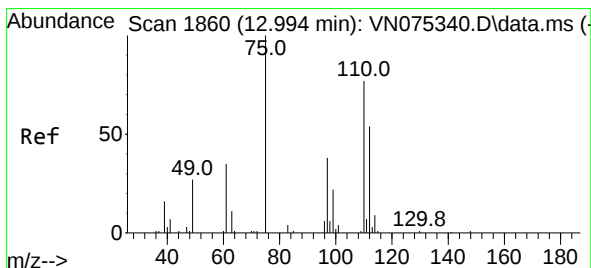
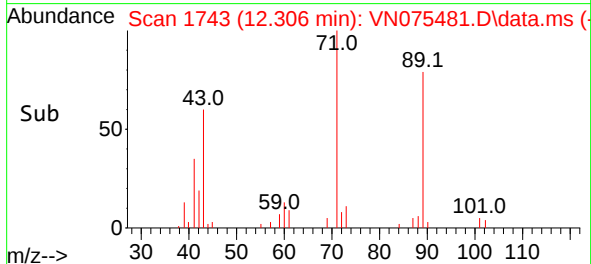
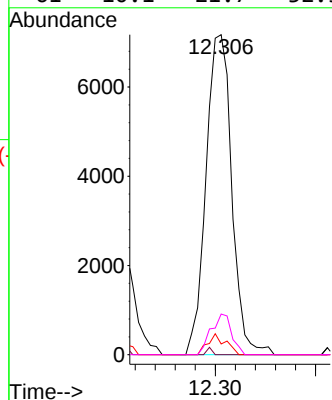
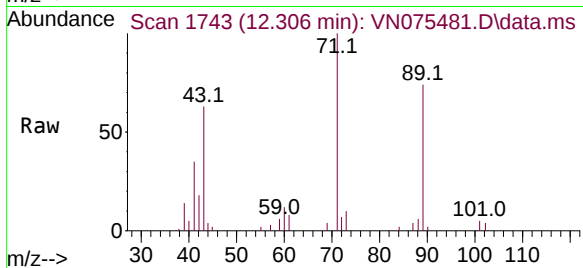




#74
N-amy1 acetate
Concen: 7.130 ug/l
RT: 12.306 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN075481.D
Acq: 29 Nov 2022 17:14

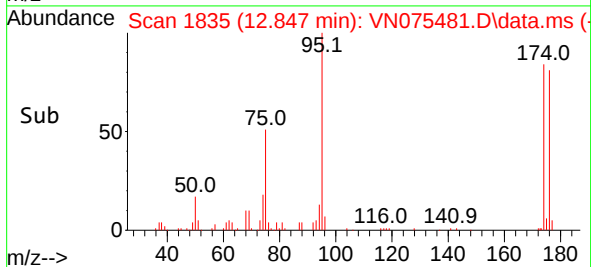
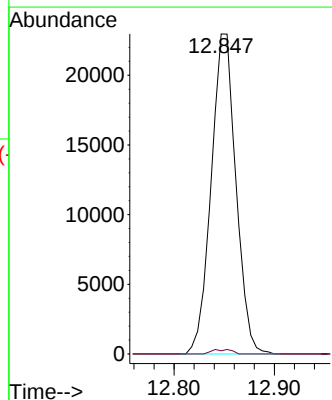
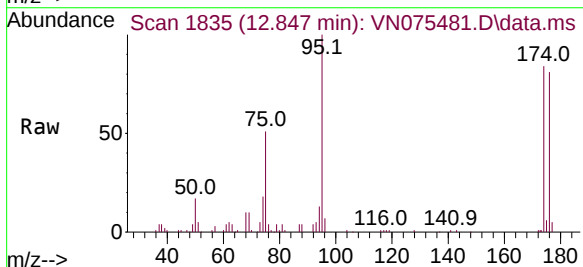
Instrument :
MSVOA_N
ClientSampleId :
TP-M

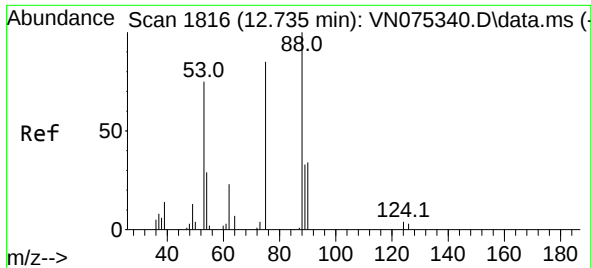
Tgt Ion:	43	Resp:	12817
Ion	Ratio	Lower	Upper
43	100		
70	0.5	39.8	59.8#
55	4.5	19.9	29.9#
61	10.1	21.7	32.5#



#76
1,2,3-Trichloropropane
Concen: 26.046 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075481.D
Acq: 29 Nov 2022 17:14

Tgt Ion:	75	Resp:	39414
Ion	Ratio	Lower	Upper
75	100		
77	1.1	75.6	226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.065 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075481.D
 Acq: 29 Nov 2022 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-M

Tgt Ion: 75 Resp: 39414
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

