

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011823\
 Data File : VN076306.D
 Acq On : 18 Jan 2023 19:55
 Operator : JC\MD
 Sample : 01190-10
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PE-9

Quant Time: Jan 19 00:55:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

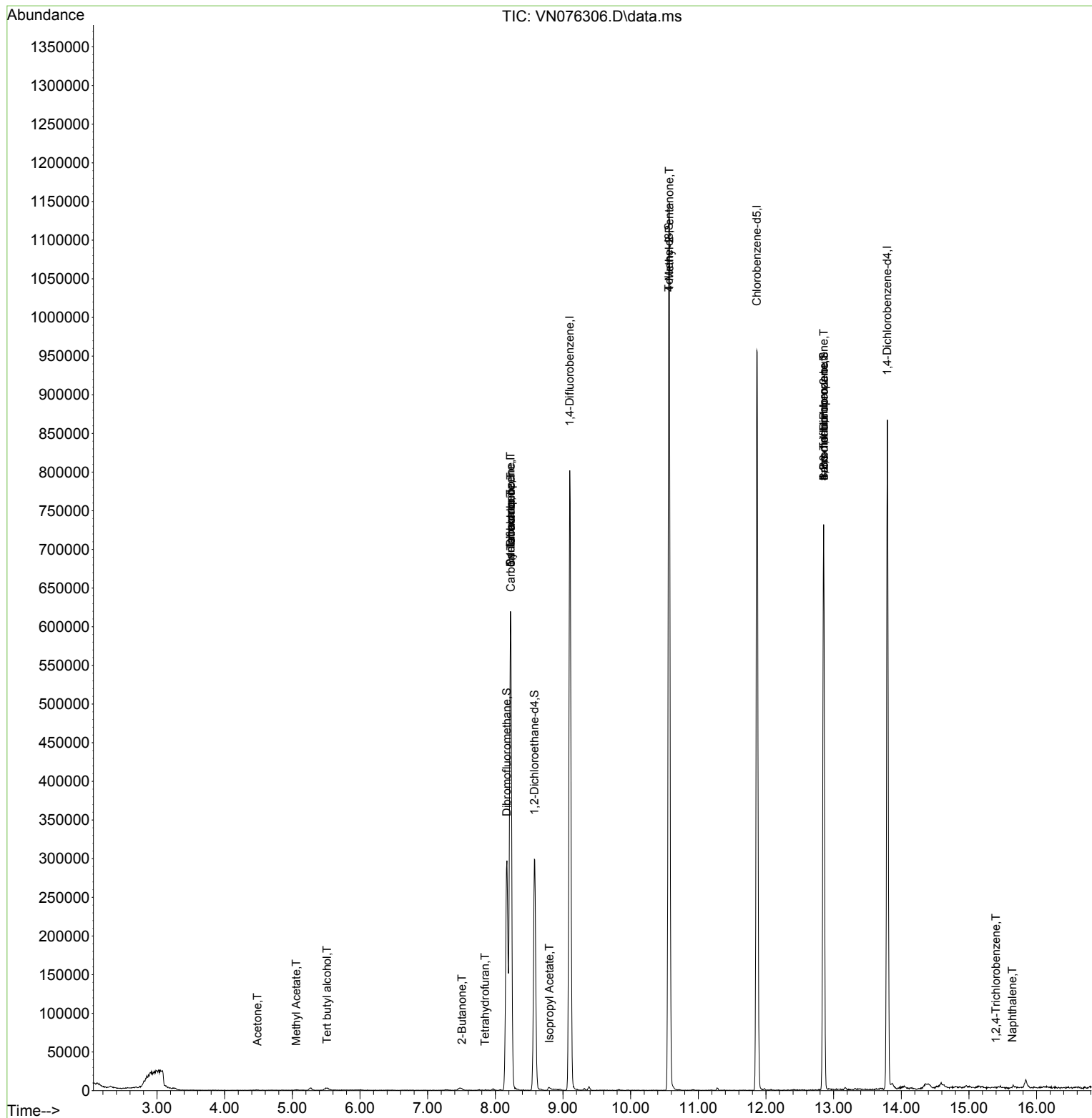
Internal Standards						
1) Pentafluorobenzene	8.224	168	477315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	741004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	596740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	240721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	244635	45.774	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.540%
35) Dibromofluoromethane	8.171	113	212089	45.755	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.520%
50) Toluene-d8	10.565	98	830175	48.495	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.000%
62) 4-Bromofluorobenzene	12.853	95	241990	43.302	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.600%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	3108	4.348	ug/l #	72
16) Acetone	4.483	43	920	0.464	ug/l #	41
18) Methyl Acetate	5.059	43	1589	0.274	ug/l #	53
20) Methylene Chloride	5.271	84	2357	Below Cal	#	76
25) 2-Butanone	7.506	43	586	0.224	ug/l #	40
29) Tetrahydrofuran	7.847	42	390	0.241	ug/l #	37
31) Cyclohexane	8.224	56	9382	1.143	ug/l #	7
36) 1,1-Dichloropropene	8.224	75	35089	5.327	ug/l #	49
38) Carbon Tetrachloride	8.230	117	46744	6.364	ug/l #	17
43) Isopropyl Acetate	8.800	43	1996	0.232	ug/l #	51
51) 4-Methyl-2-Pentanone	10.571	43	3303	0.655	ug/l #	1
71) Bromoform	12.853	173	1937	0.571	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	127142	28.587	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	127142	87.879	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.400	180	64	1.320	ug/l #	84
95) Naphthalene	15.641	128	2297	2.016	ug/l #	81

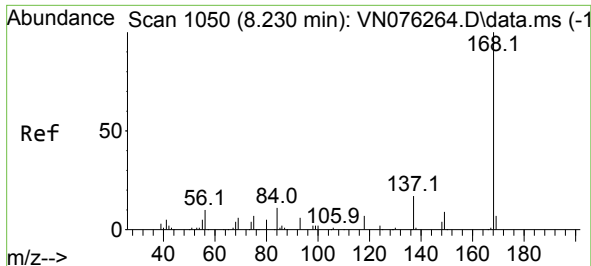
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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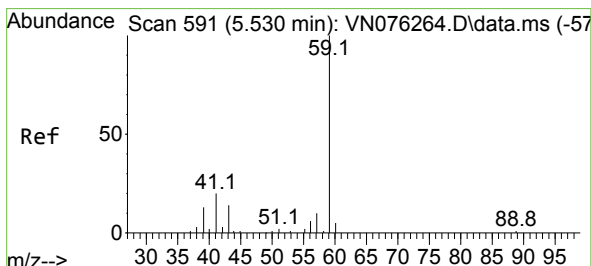
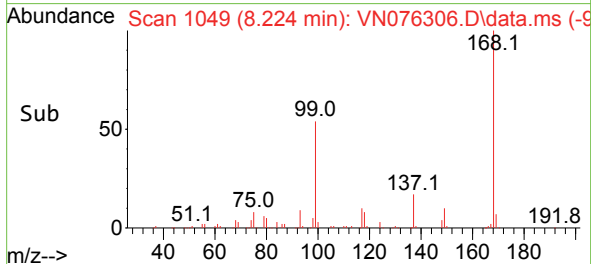
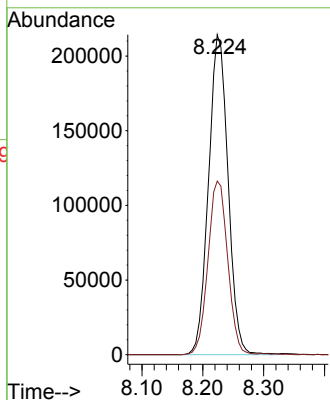
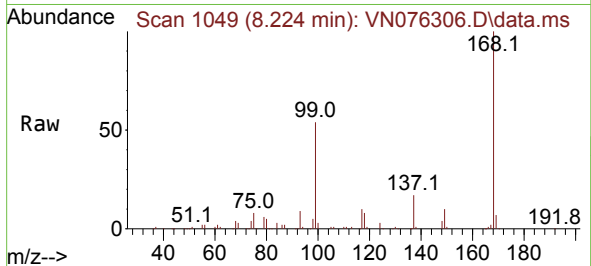




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.006 min
Lab File: VN076306.D
Acq: 18 Jan 2023 19:55

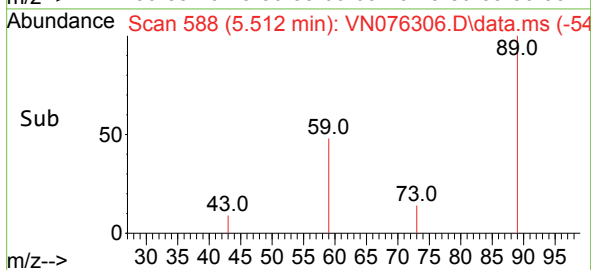
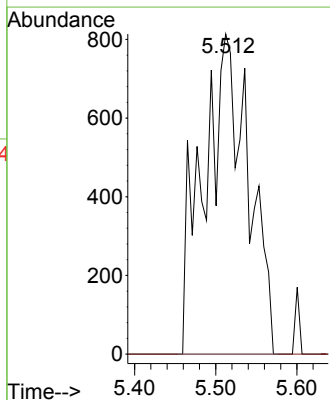
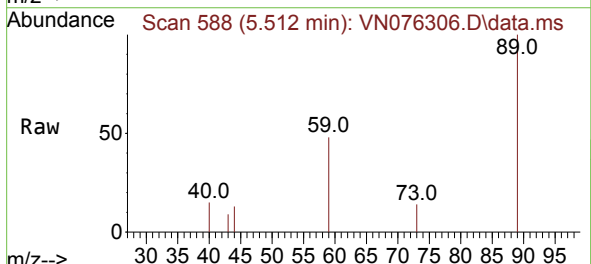
Instrument :
MSVOA_N
ClientSampleId :
PE-9

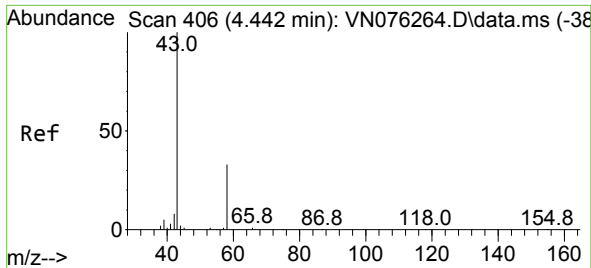
Tgt Ion:168 Resp: 477315
Ion Ratio Lower Upper
168 100
99 54.3 41.6 62.4



#11
Tert butyl alcohol
Concen: 4.348 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.018 min
Lab File: VN076306.D
Acq: 18 Jan 2023 19:55

Tgt Ion: 59 Resp: 3108
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 0.464 ug/l

RT: 4.483 min Scan# 41

Delta R.T. 0.041 min

Lab File: VN076306.D

Acq: 18 Jan 2023 19:55

Instrument :

MSVOA_N

ClientSampleId :

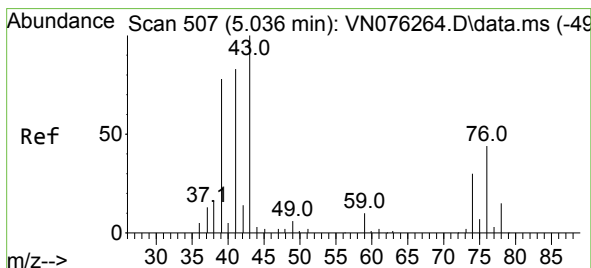
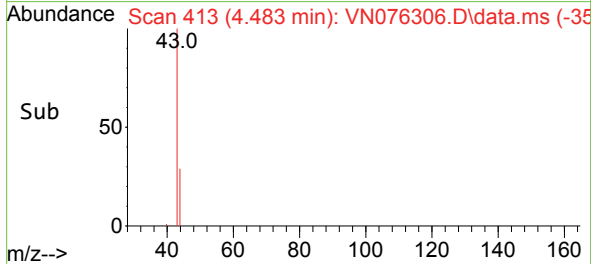
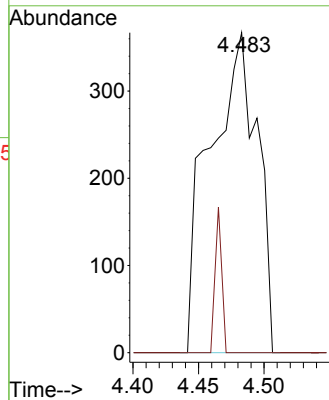
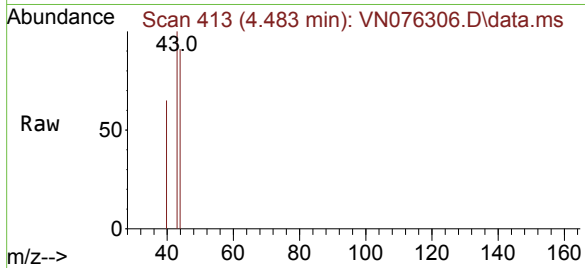
PE-9

Tgt Ion: 43 Resp: 920

Ion Ratio Lower Upper

43 100

58 0.0 26.7 40.1#



#18

Methyl Acetate

Concen: 0.274 ug/l

RT: 5.059 min Scan# 511

Delta R.T. 0.023 min

Lab File: VN076306.D

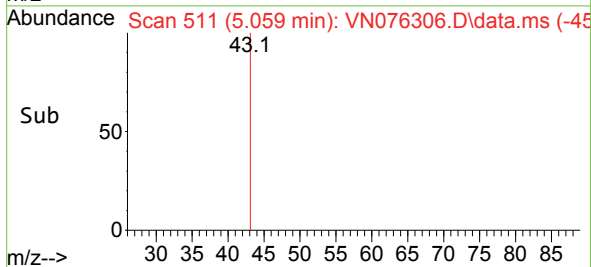
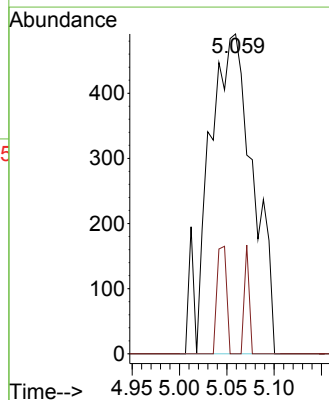
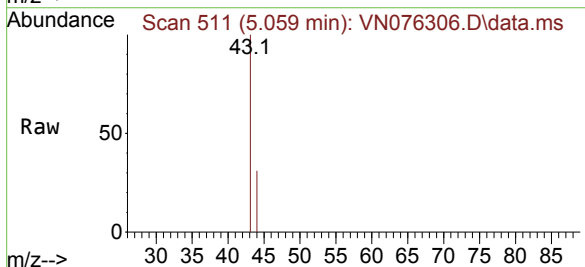
Acq: 18 Jan 2023 19:55

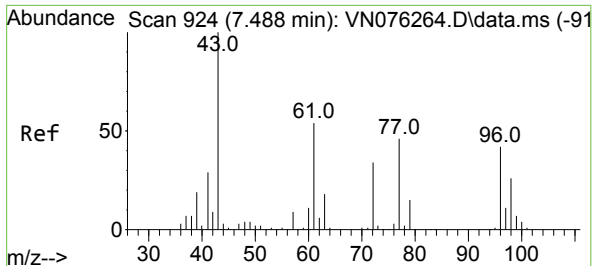
Tgt Ion: 43 Resp: 1589

Ion Ratio Lower Upper

43 100

74 3.7 23.3 34.9#





#25

2-Butanone

Concen: 0.224 ug/l

RT: 7.506 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN076306.D

Acq: 18 Jan 2023 19:55

Instrument :

MSVOA_N

ClientSampleId :

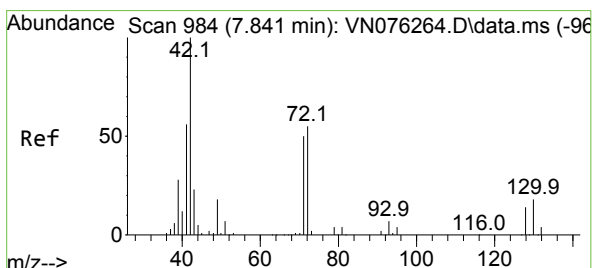
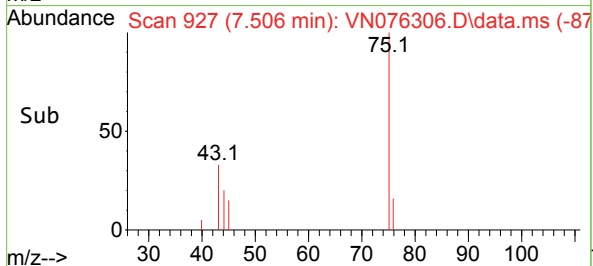
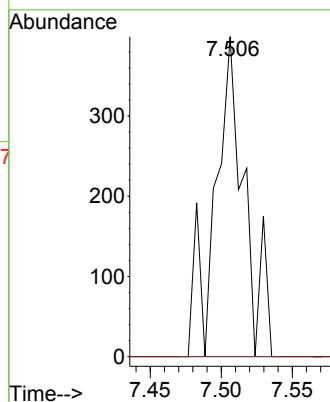
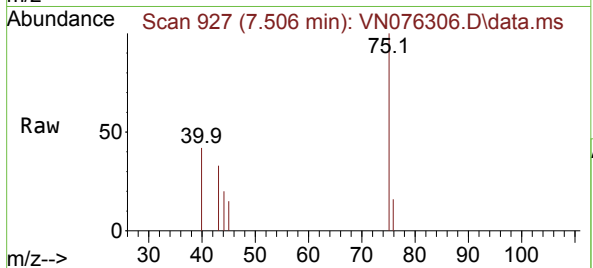
PE-9

Tgt Ion: 43 Resp: 586

Ion Ratio Lower Upper

43 100

72 0.0 27.4 41.2#



#29

Tetrahydrofuran

Concen: 0.241 ug/l

RT: 7.847 min Scan# 985

Delta R.T. 0.006 min

Lab File: VN076306.D

Acq: 18 Jan 2023 19:55

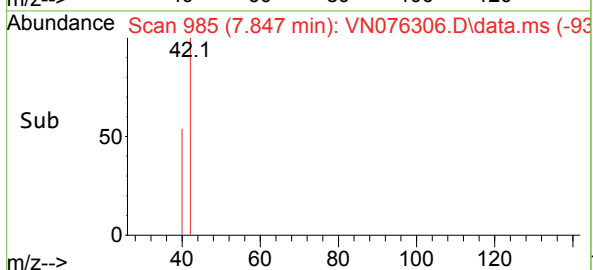
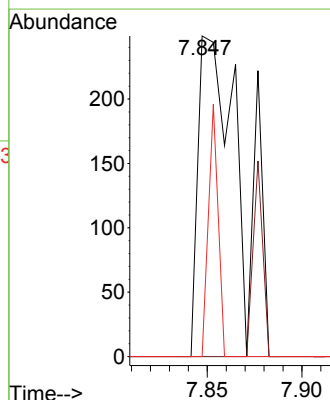
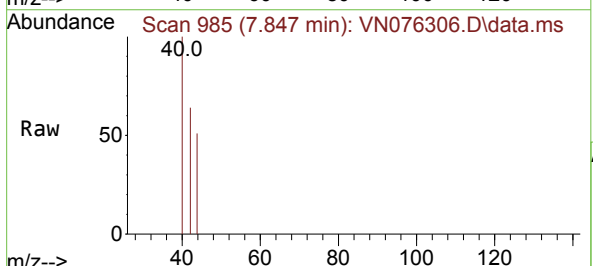
Tgt Ion: 42 Resp: 390

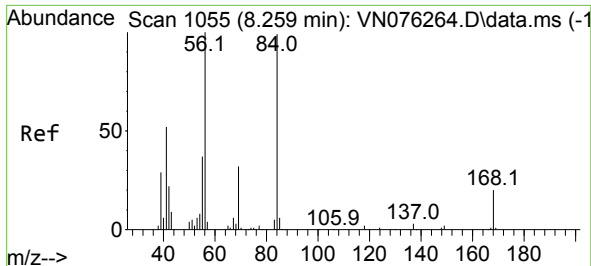
Ion Ratio Lower Upper

42 100

72 0.0 44.0 66.0#

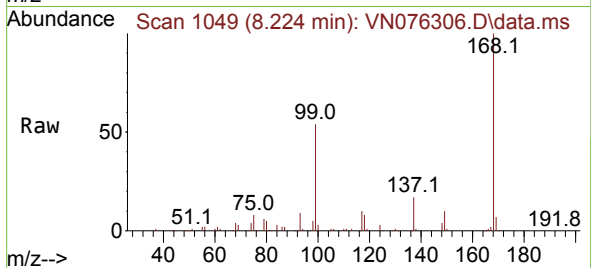
71 17.7 41.1 61.7#



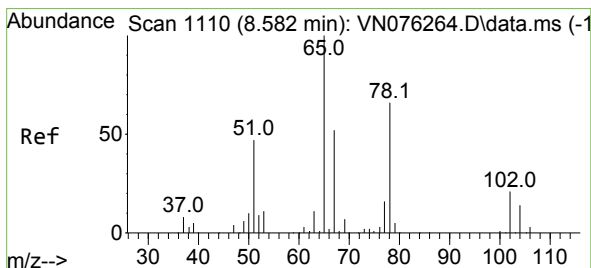
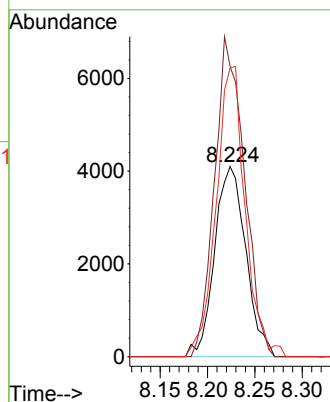
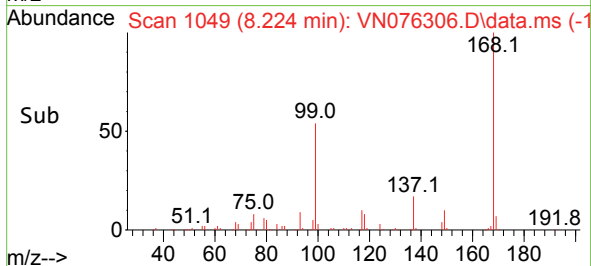


#31
Cyclohexane
Concen: 1.143 ug/l
RT: 8.224 min Scan# 1109
Delta R.T. -0.035 min
Lab File: VN076306.D
Acq: 18 Jan 2023 19:55

Instrument :
MSVOA_N
ClientSampleId :
PE-9

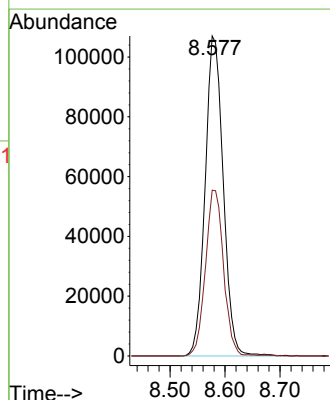
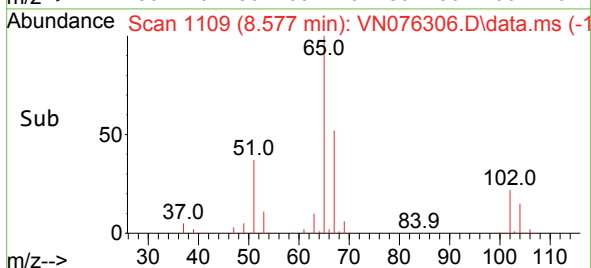
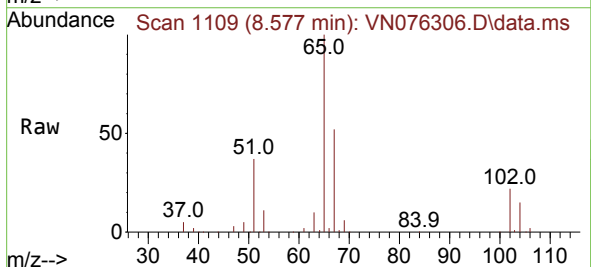


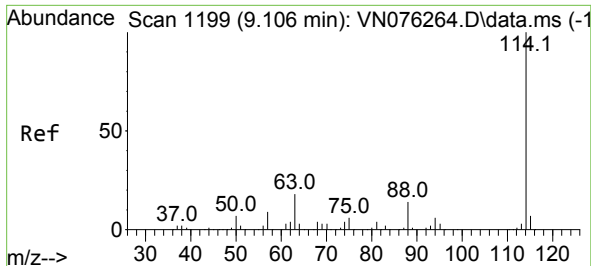
Tgt Ion: 56 Resp: 9382
Ion Ratio Lower Upper
56 100
69 152.6 25.8 38.8#
84 151.8 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 45.774 ug/l
RT: 8.577 min Scan# 1109
Delta R.T. -0.005 min
Lab File: VN076306.D
Acq: 18 Jan 2023 19:55

Tgt Ion: 65 Resp: 244635
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1199

Delta R.T. -0.006 min

Lab File: VN076306.D

Acq: 18 Jan 2023 19:55

Instrument :

MSVOA_N

ClientSampleId :

PE-9

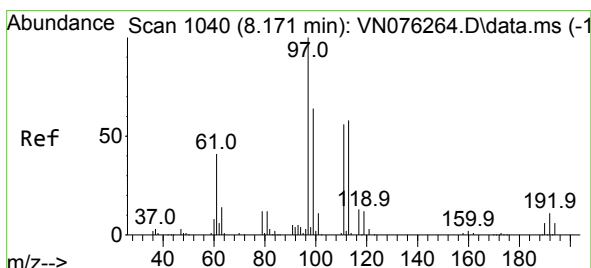
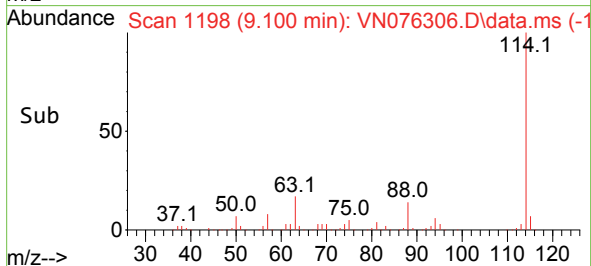
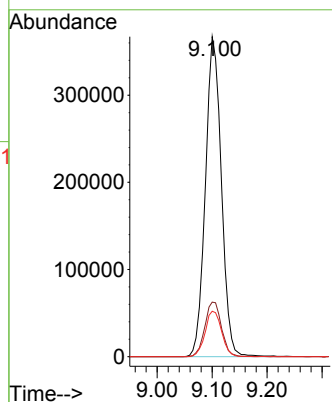
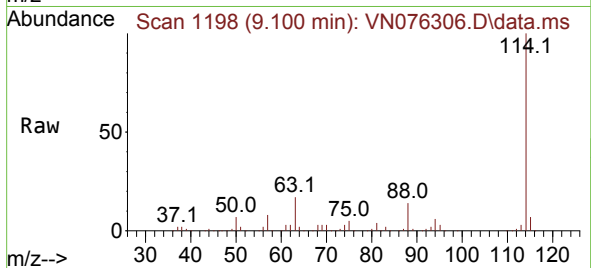
Tgt Ion:114 Resp: 741004

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.8

88 14.2 0.0 28.0



#35

Dibromofluoromethane

Concen: 45.755 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076306.D

Acq: 18 Jan 2023 19:55

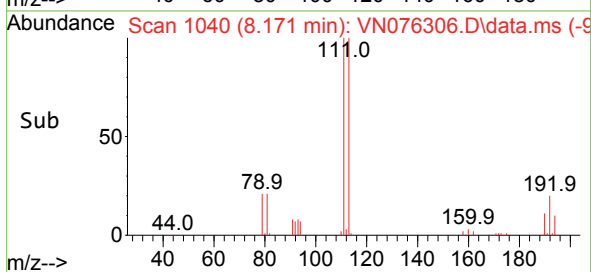
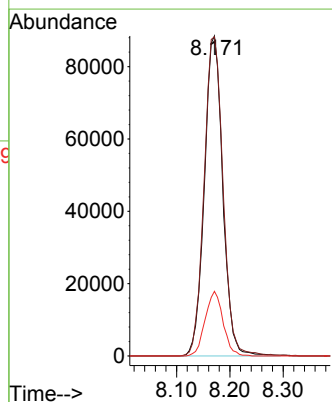
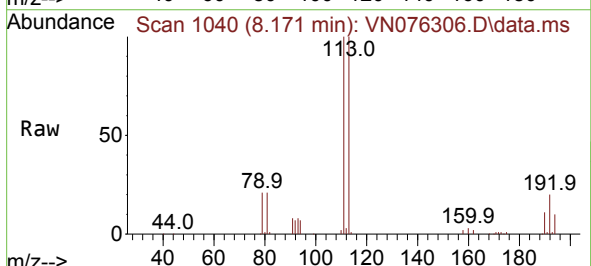
Tgt Ion:113 Resp: 212089

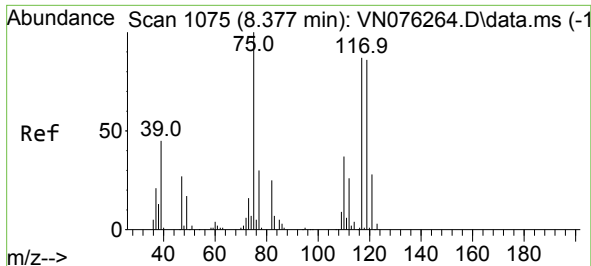
Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

192 19.7 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.327 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN076306.D

Acq: 18 Jan 2023 19:55

Instrument :

MSVOA_N

ClientSampleId :

PE-9

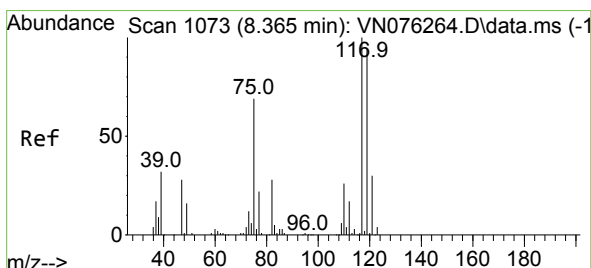
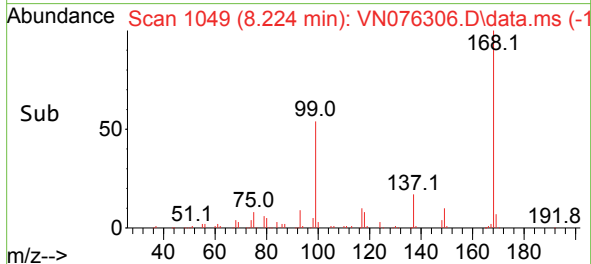
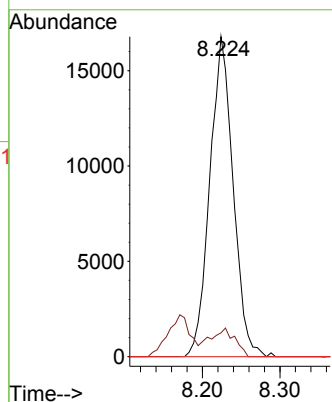
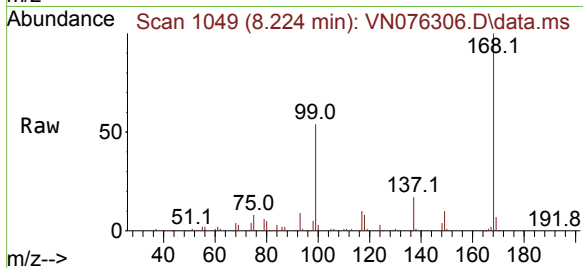
Tgt Ion: 75 Resp: 35089

Ion Ratio Lower Upper

75 100

110 9.7 18.8 56.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.364 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN076306.D

Acq: 18 Jan 2023 19:55

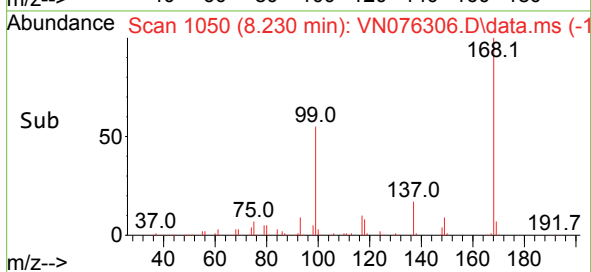
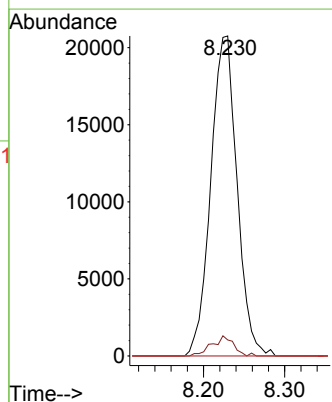
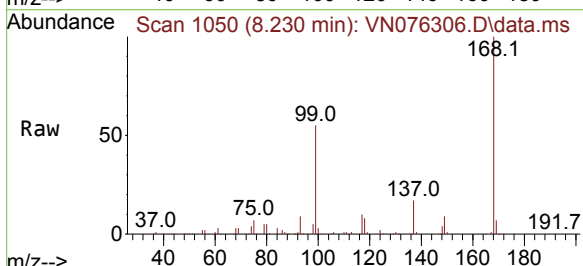
Tgt Ion: 117 Resp: 46744

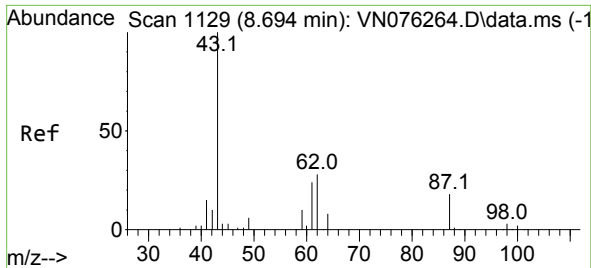
Ion Ratio Lower Upper

117 100

119 5.0 75.4 113.0#

121 0.0 24.2 36.2#

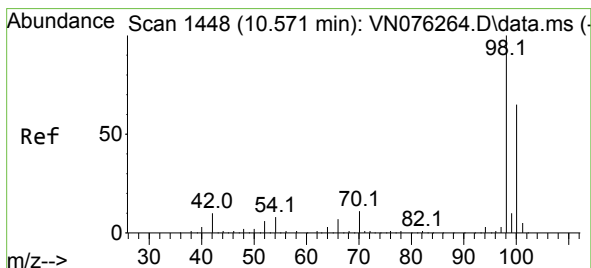
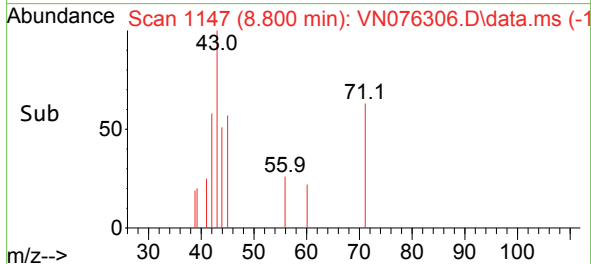
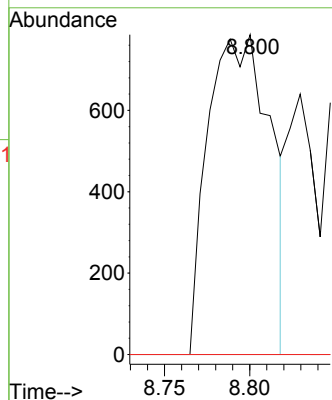
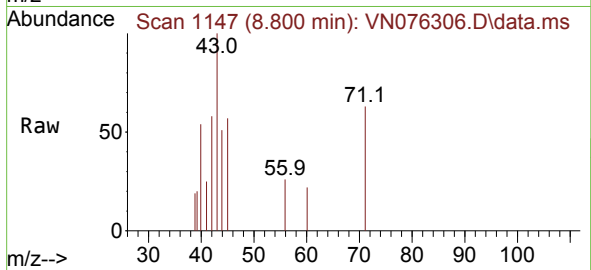




#43
Isopropyl Acetate
Concen: 0.232 ug/l
RT: 8.800 min Scan# 1129
Delta R.T. 0.106 min
Lab File: VN076306.D
Acq: 18 Jan 2023 19:55

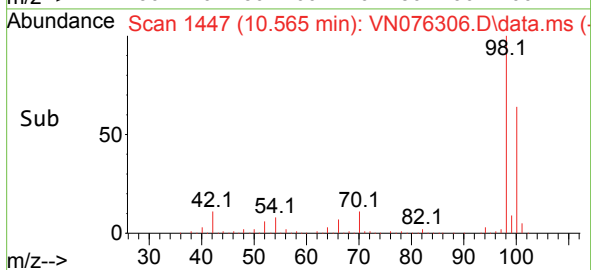
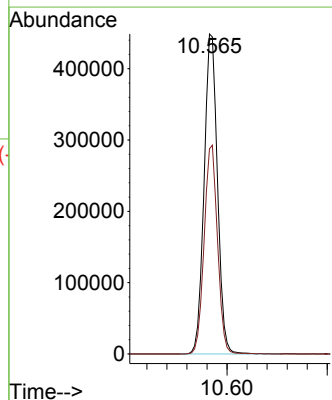
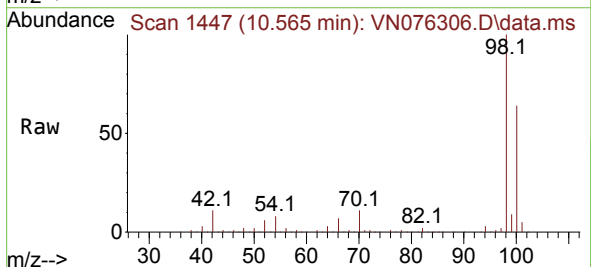
Instrument :
MSVOA_N
ClientSampleId :
PE-9

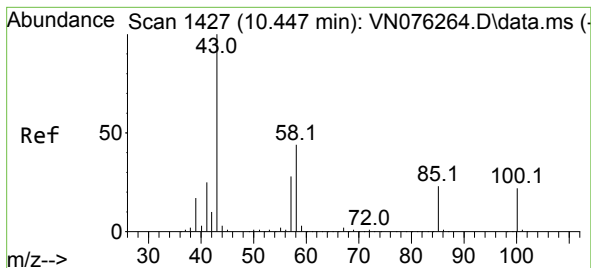
Tgt Ion: 43 Resp: 1996
Ion Ratio Lower Upper
43 100
61 0.0 23.5 35.3#
87 0.0 13.8 20.6#



#50
Toluene-d8
Concen: 48.495 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN076306.D
Acq: 18 Jan 2023 19:55

Tgt Ion: 98 Resp: 830175
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4

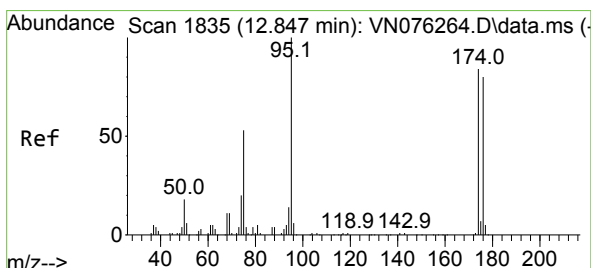
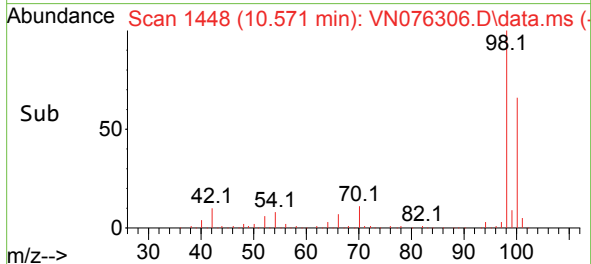
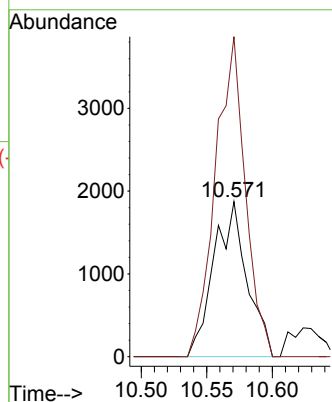
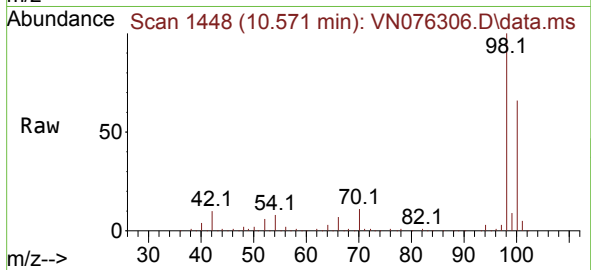




#51
4-Methyl-2-Pentanone
Concen: 0.655 ug/l
RT: 10.571 min Scan# 1427
Delta R.T. 0.124 min
Lab File: VN076306.D
Acq: 18 Jan 2023 19:55

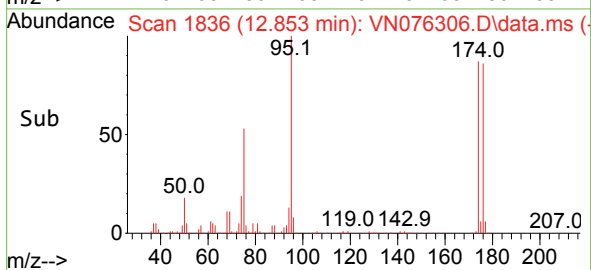
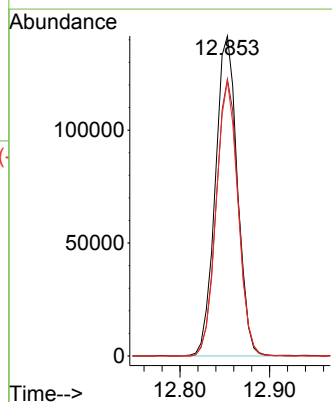
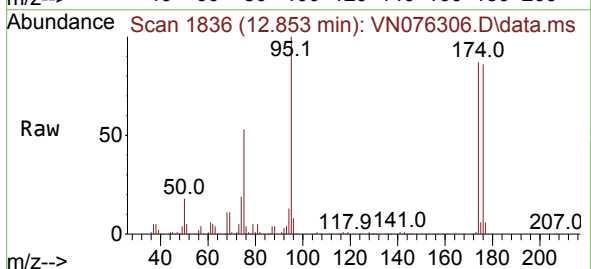
Instrument :
MSVOA_N
ClientSampleId :
PE-9

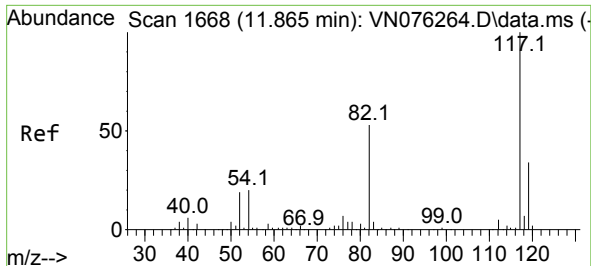
Tgt Ion: 43 Resp: 3303
Ion Ratio Lower Upper
43 100
58 185.8 35.1 52.7#



#62
4-Bromofluorobenzene
Concen: 43.302 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076306.D
Acq: 18 Jan 2023 19:55

Tgt Ion: 95 Resp: 241990
Ion Ratio Lower Upper
95 100
174 86.2 0.0 174.6
176 84.2 0.0 167.8

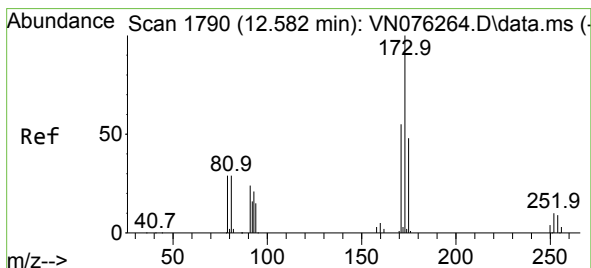
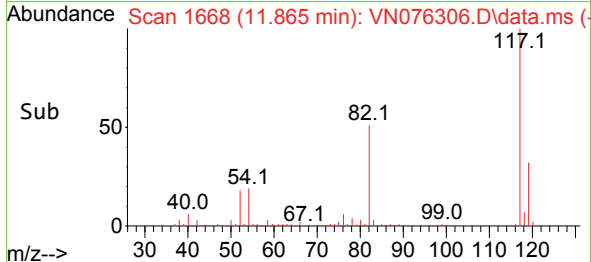
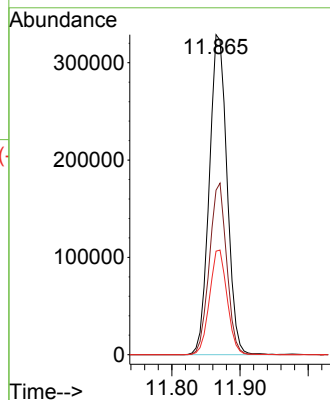
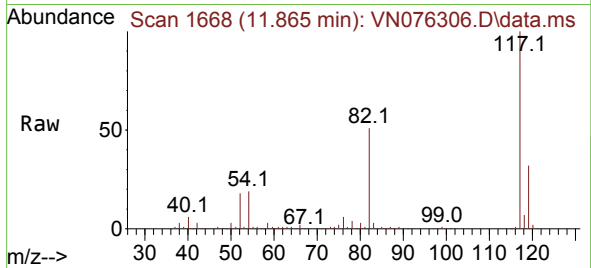




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076306.D
Acq: 18 Jan 2023 19:55

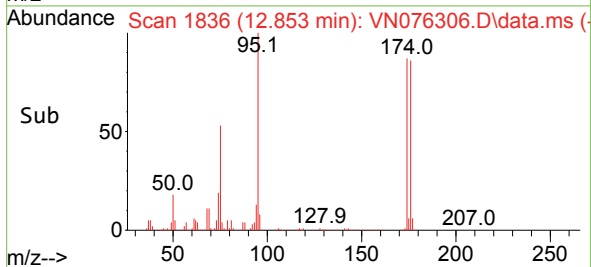
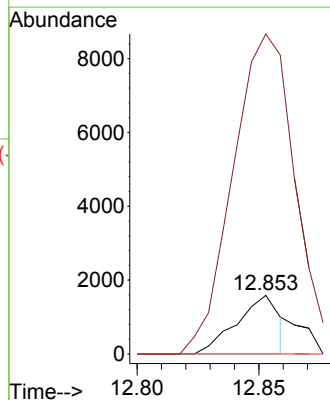
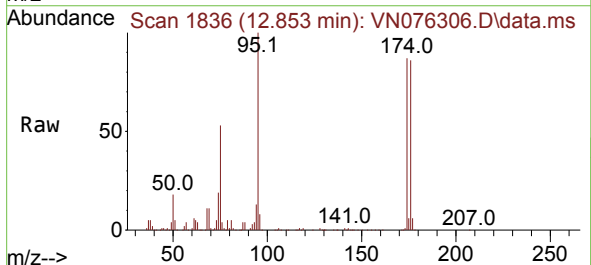
Instrument :
MSVOA_N
ClientSampleId :
PE-9

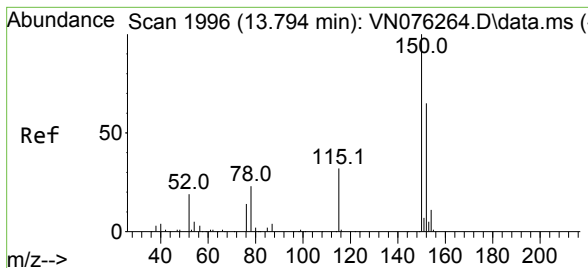
Tgt Ion:117 Resp: 596740
Ion Ratio Lower Upper
117 100
82 51.4 42.2 63.2
119 32.4 26.9 40.3



#71
Bromoform
Concen: 0.571 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076306.D
Acq: 18 Jan 2023 19:55

Tgt Ion:173 Resp: 1937
Ion Ratio Lower Upper
173 100
175 641.8 24.1 72.4#
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: VN076306.D

Acq: 18 Jan 2023 19:55

Instrument :

MSVOA_N

ClientSampleId :

PE-9

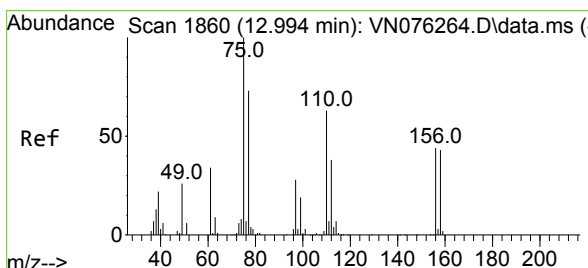
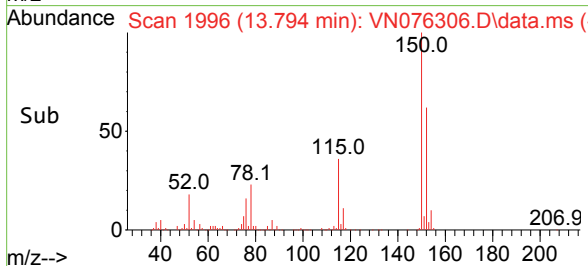
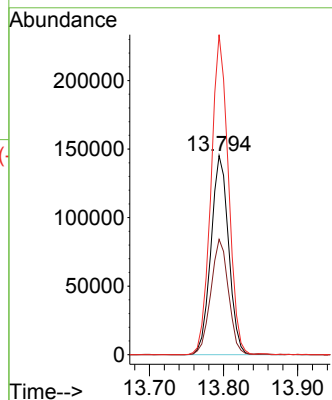
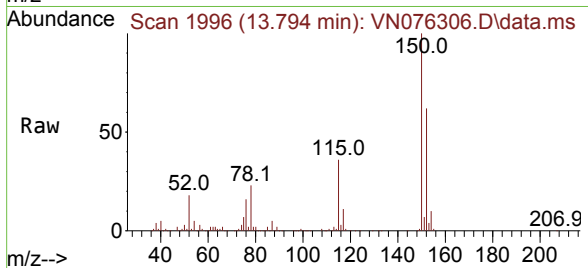
Tgt Ion:152 Resp: 240721

Ion Ratio Lower Upper

152 100

115 57.9 29.6 88.9

150 157.8 0.0 351.4



#76

1,2,3-Trichloropropane

Concen: 28.587 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076306.D

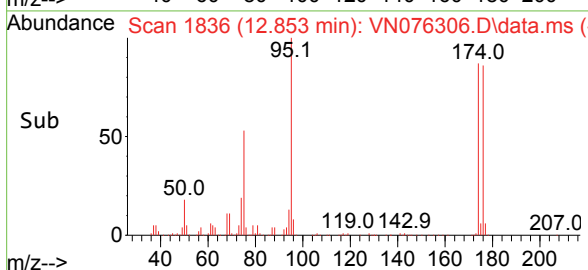
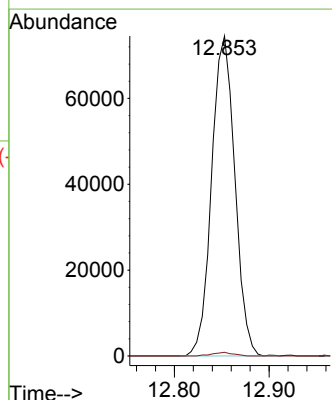
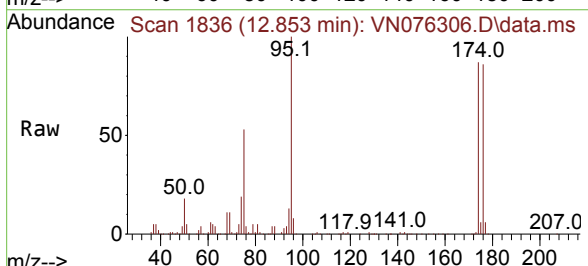
Acq: 18 Jan 2023 19:55

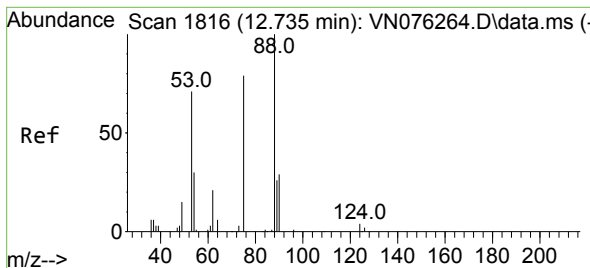
Tgt Ion: 75 Resp: 127142

Ion Ratio Lower Upper

75 100

77 1.0 75.2 225.6#

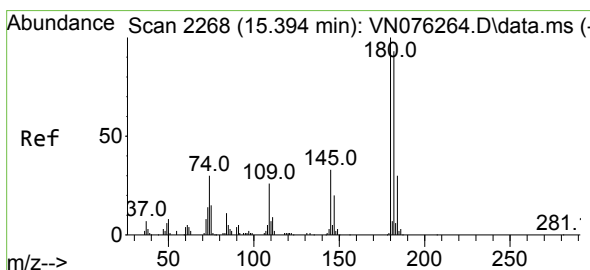
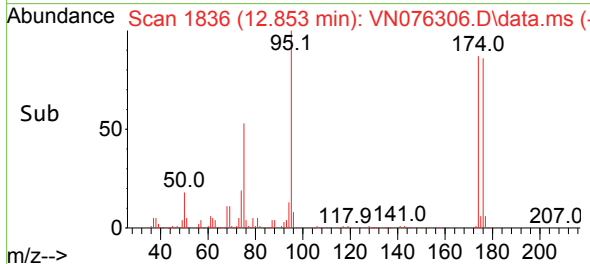
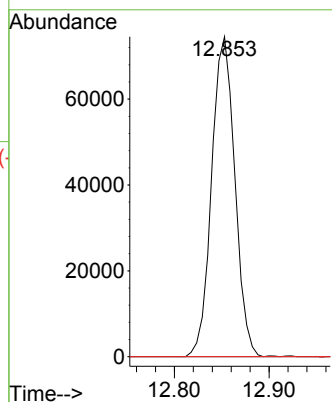
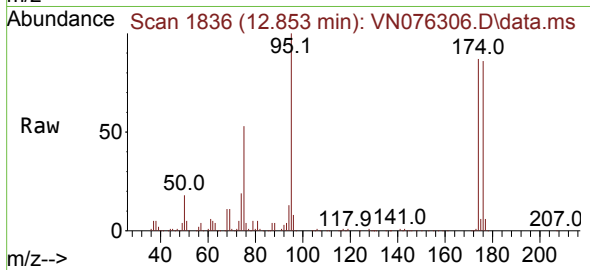




#81
trans-1,4-Dichloro-2-butene
Concen: 87.879 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076306.D
Acq: 18 Jan 2023 19:55

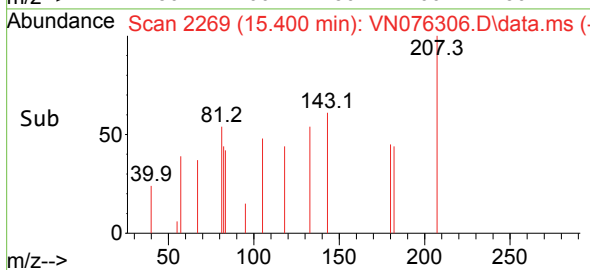
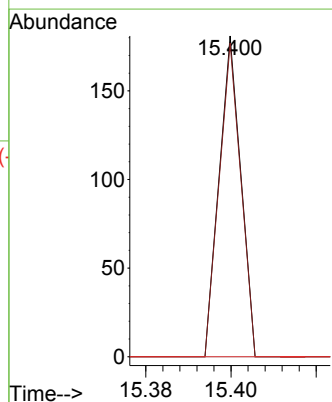
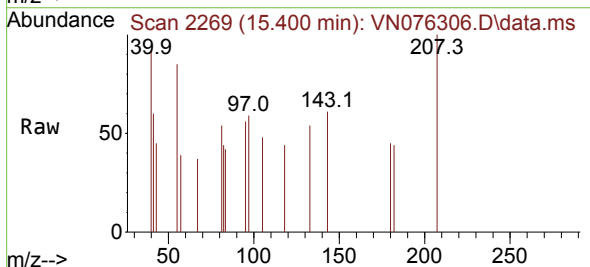
Instrument :
MSVOA_N
ClientSampleId :
PE-9

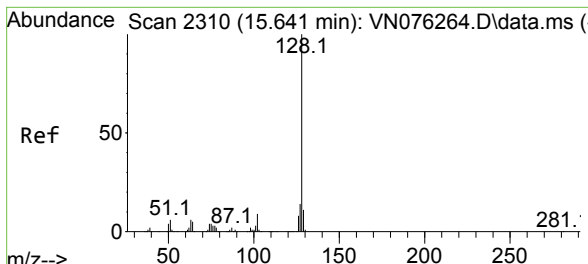
Tgt Ion: 75 Resp: 127142
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.320 ug/l
RT: 15.400 min Scan# 2269
Delta R.T. 0.006 min
Lab File: VN076306.D
Acq: 18 Jan 2023 19:55

Tgt Ion:180 Resp: 64
Ion Ratio Lower Upper
180 100
182 96.9 47.0 141.2
145 0.0 15.2 45.5#





#95
 Naphthalene
 Concen: 2.016 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076306.D
 Acq: 18 Jan 2023 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 PE-9

Tgt Ion:	128	Resp:	2297
Ion	Ratio	Lower	Upper
128	100		
127	4.1	10.3	15.5#
129	16.4	8.6	13.0#

