

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011823\
 Data File : VN076307.D
 Acq On : 18 Jan 2023 20:19
 Operator : JC\MD
 Sample : 01190-11
 Misc : 5.09g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PE-10

Quant Time: Jan 19 00:55:40 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)

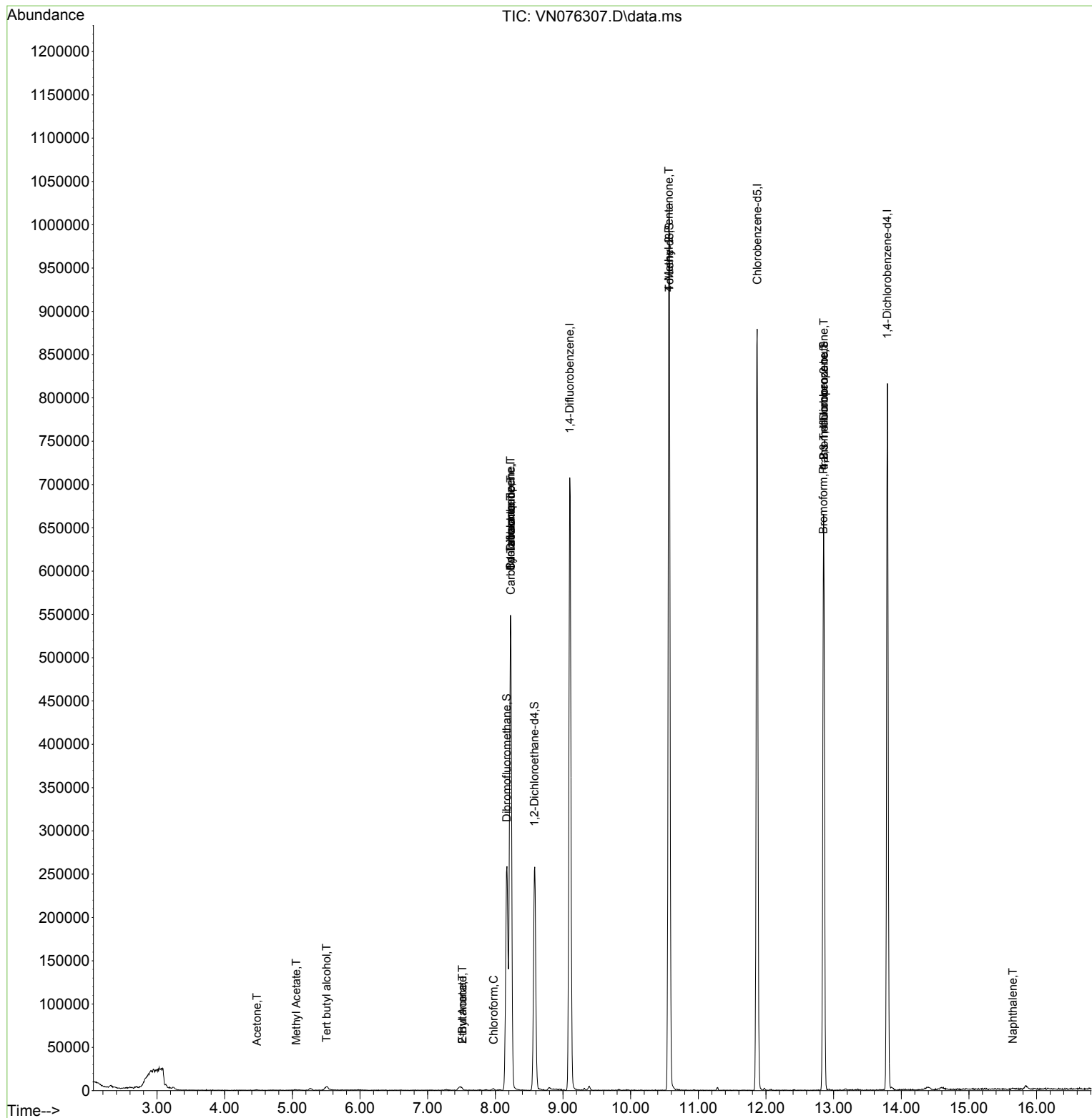
Internal Standards						
1) Pentafluorobenzene	8.224	168	428977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	660977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	541993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	228524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	214336	44.624	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.240%		
35) Dibromofluoromethane	8.171	113	189836	45.913	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.820%		
50) Toluene-d8	10.571	98	744031	48.725	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.460%		
62) 4-Bromofluorobenzene	12.853	95	225682	45.273	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.540%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	4294	6.684	ug/l #	72
16) Acetone	4.477	43	752	0.415	ug/l #	41
18) Methyl Acetate	5.059	43	1221	0.234	ug/l #	56
20) Methylene Chloride	5.259	84	1106	Below Cal	#	85
25) 2-Butanone	7.512	43	823	0.350	ug/l #	40
30) Chloroform	7.977	83	1904	0.229	ug/l #	68
31) Cyclohexane	8.224	56	8420	1.141	ug/l #	11
36) 1,1-Dichloropropene	8.224	75	30314	5.160	ug/l #	48
37) Ethyl Acetate	7.512	43	823	0.211	ug/l #	67
38) Carbon Tetrachloride	8.230	117	41900	6.395	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	2892	0.643	ug/l #	1
71) Bromoform	12.847	173	1519	0.493	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	115040	27.201	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	115040	83.758	ug/l #	11
95) Naphthalene	15.647	128	1365	1.950	ug/l #	72

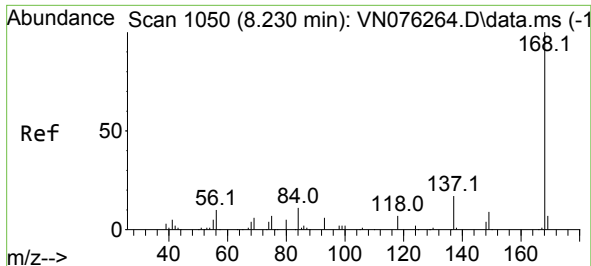
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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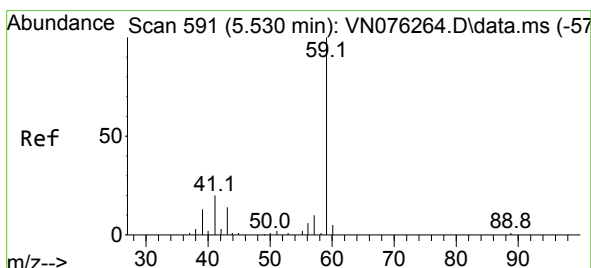
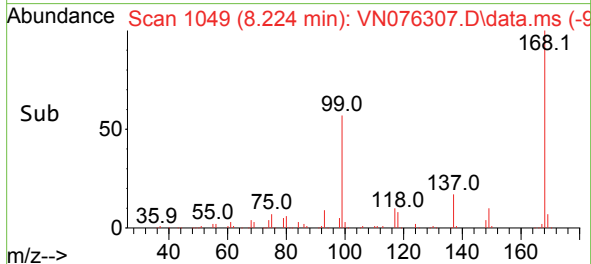
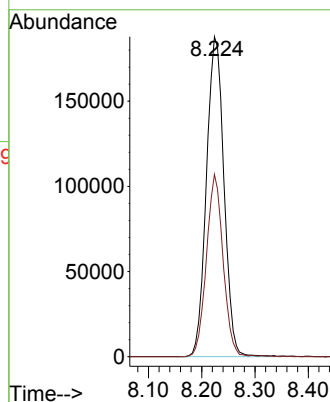
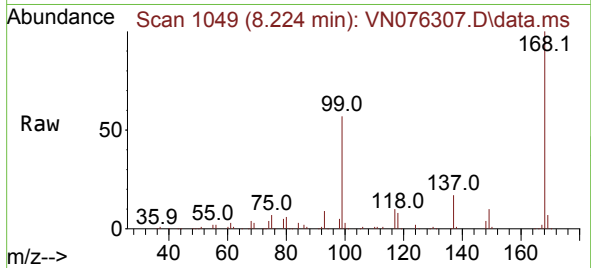




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.006 min
Lab File: VN076307.D
Acq: 18 Jan 2023 20:19

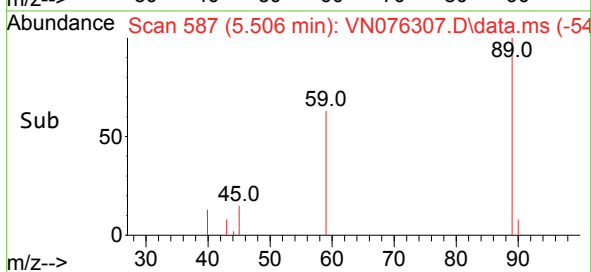
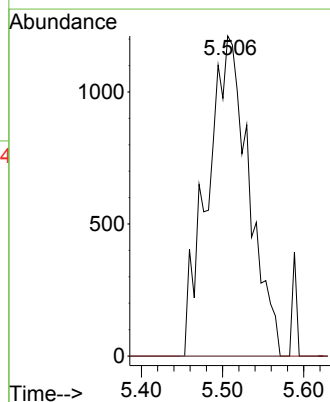
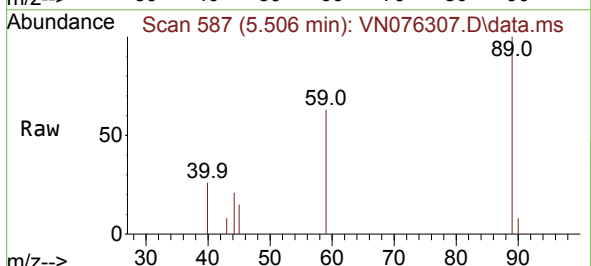
Instrument :
MSVOA_N
ClientSampleId :
PE-10

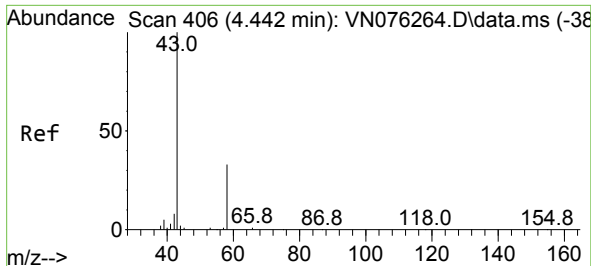
Tgt Ion:168 Resp: 428977
Ion Ratio Lower Upper
168 100
99 56.9 41.6 62.4



#11
Tert butyl alcohol
Concen: 6.684 ug/l
RT: 5.506 min Scan# 587
Delta R.T. -0.024 min
Lab File: VN076307.D
Acq: 18 Jan 2023 20:19

Tgt Ion: 59 Resp: 4294
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

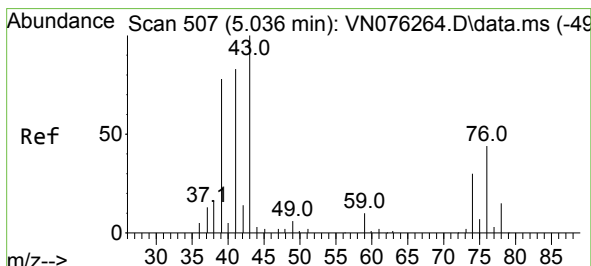
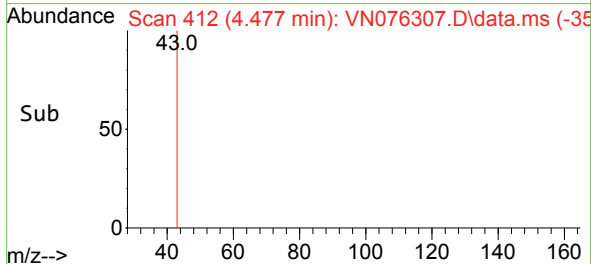
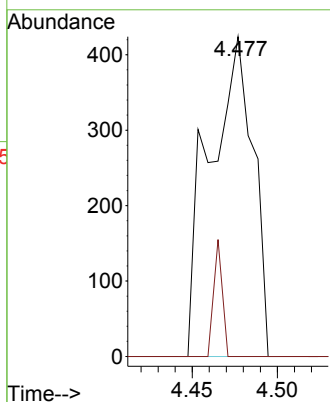
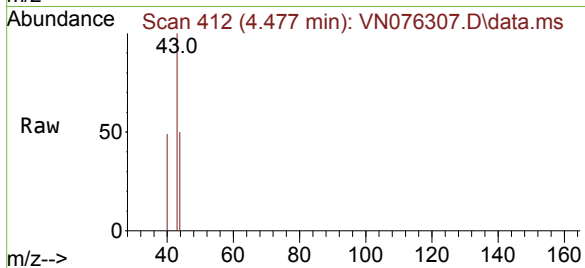




#16
Acetone
Concen: 0.415 ug/l
RT: 4.477 min Scan# 412
Delta R.T. 0.035 min
Lab File: VN076307.D
Acq: 18 Jan 2023 20:19

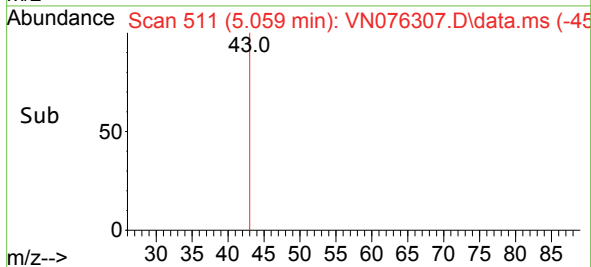
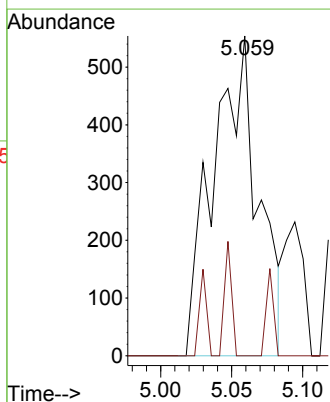
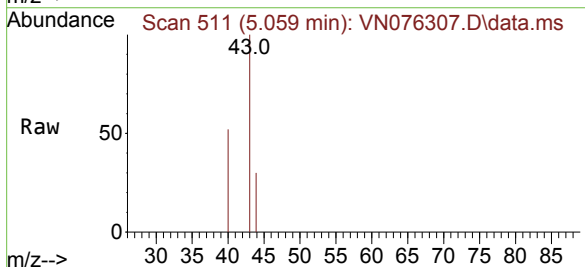
Instrument :
MSVOA_N
ClientSampleId :
PE-10

Tgt Ion: 43 Resp: 752
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



#18
Methyl Acetate
Concen: 0.234 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.023 min
Lab File: VN076307.D
Acq: 18 Jan 2023 20:19

Tgt Ion: 43 Resp: 1221
Ion Ratio Lower Upper
43 100
74 5.7 23.3 34.9#

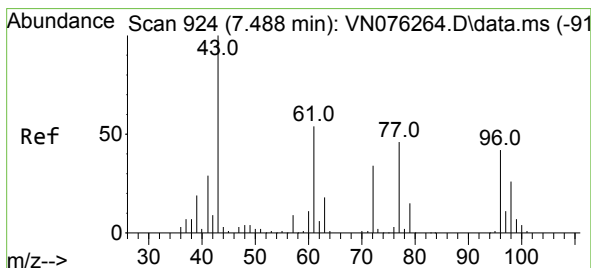
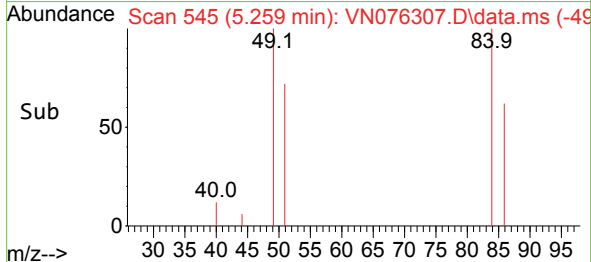
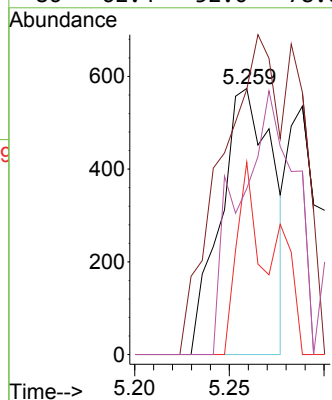
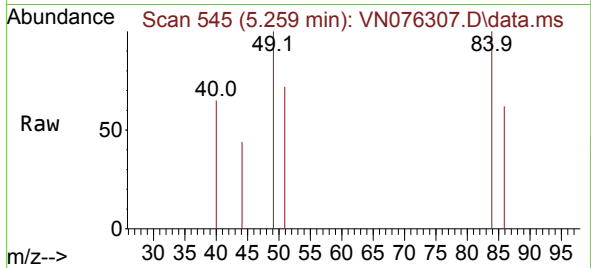




#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 54
Delta R.T. -0.030 min
Lab File: VN076307.D
Acq: 18 Jan 2023 20:19

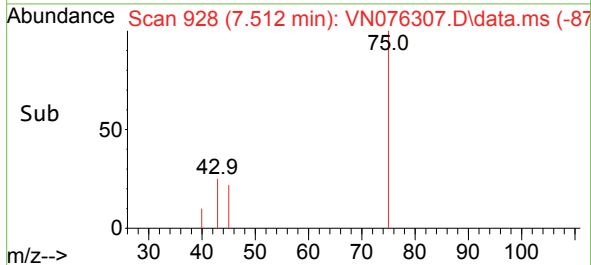
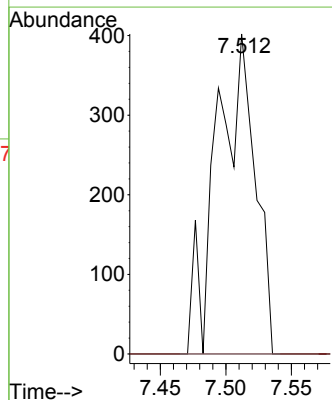
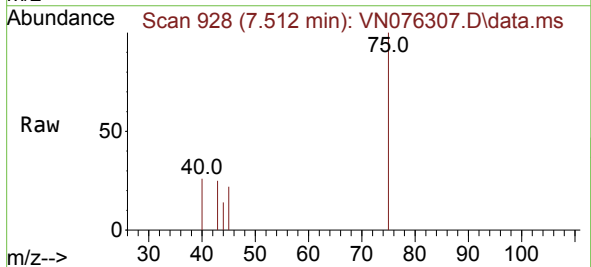
Instrument :
MSVOA_N
ClientSampleId :
PE-10

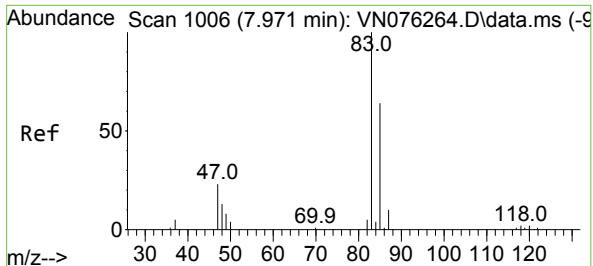
Tgt Ion: 84 Resp: 1106
Ion Ratio Lower Upper
84 100
49 99.7 84.5 126.7
51 72.3 26.0 39.0#
86 62.4 52.0 78.0



#25
2-Butanone
Concen: 0.350 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.024 min
Lab File: VN076307.D
Acq: 18 Jan 2023 20:19

Tgt Ion: 43 Resp: 823
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.2#

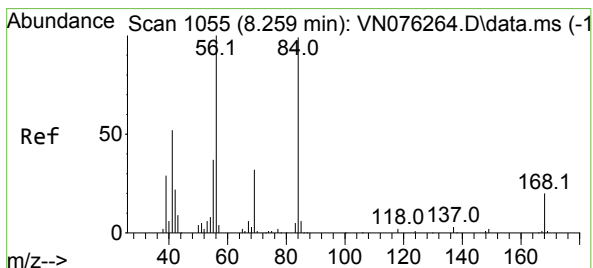
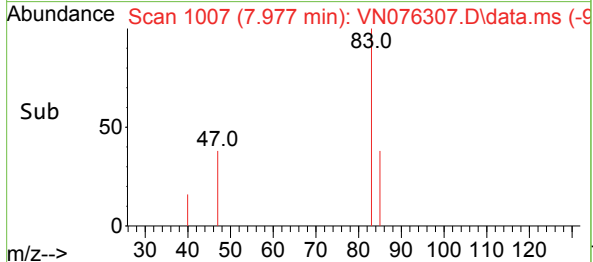
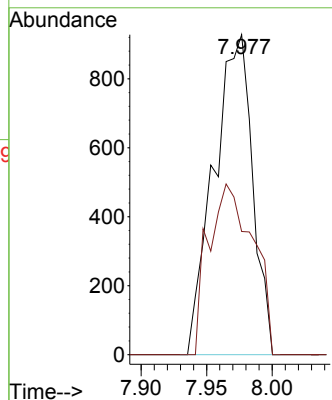
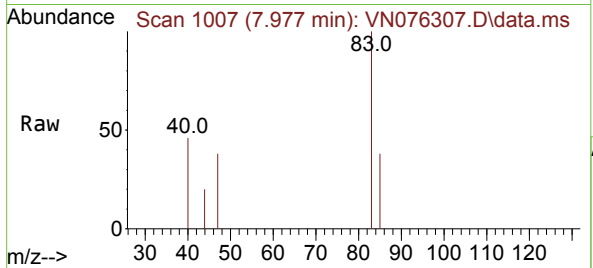




#30
Chloroform
Concen: 0.229 ug/l
RT: 7.977 min Scan# 1006
Delta R.T. 0.006 min
Lab File: VN076307.D
Acq: 18 Jan 2023 20:19

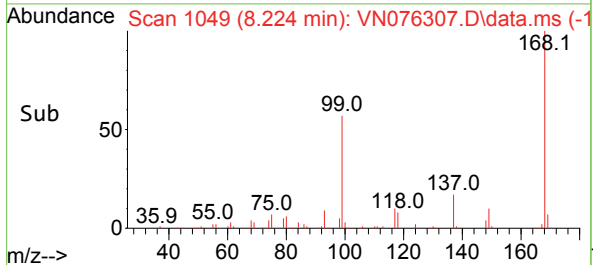
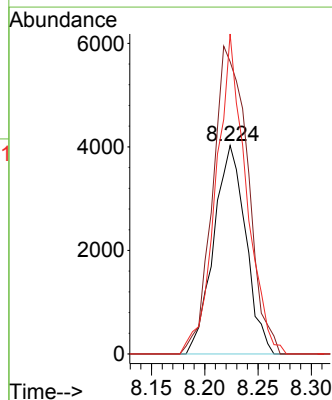
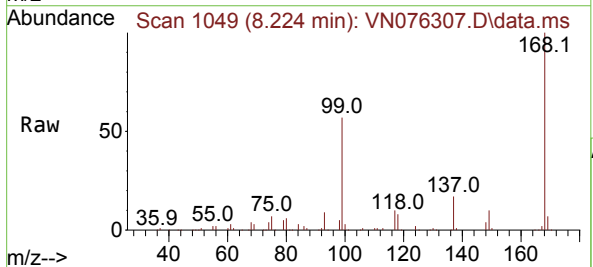
Instrument :
MSVOA_N
ClientSampleId :
PE-10

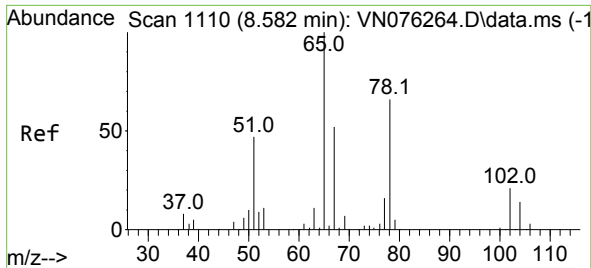
Tgt Ion: 83 Resp: 1904
Ion Ratio Lower Upper
83 100
85 38.5 51.0 76.6#



#31
Cyclohexane
Concen: 1.141 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN076307.D
Acq: 18 Jan 2023 20:19

Tgt Ion: 56 Resp: 8420
Ion Ratio Lower Upper
56 100
69 140.2 25.8 38.8#
84 153.5 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 44.624 ug/l

RT: 8.577 min Scan# 1109

Delta R.T. -0.005 min

Lab File: VN076307.D

Acq: 18 Jan 2023 20:19

Instrument :

MSVOA_N

ClientSampleId :

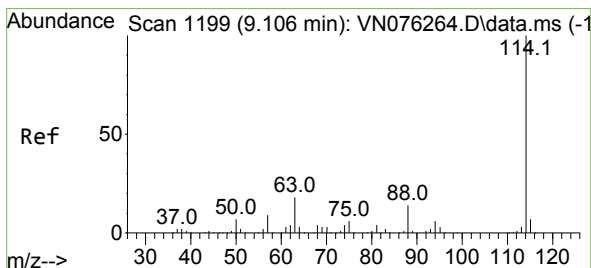
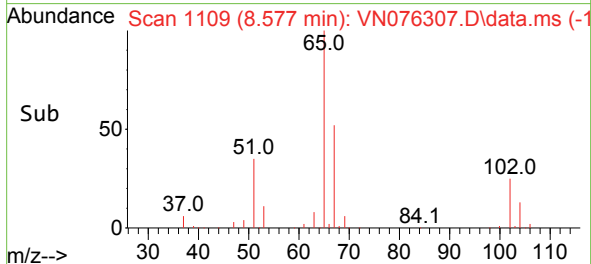
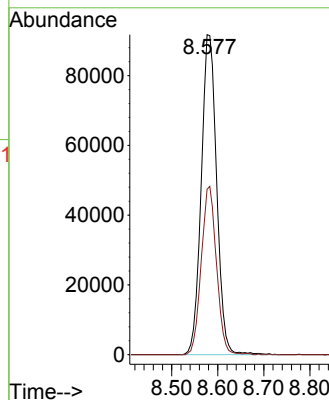
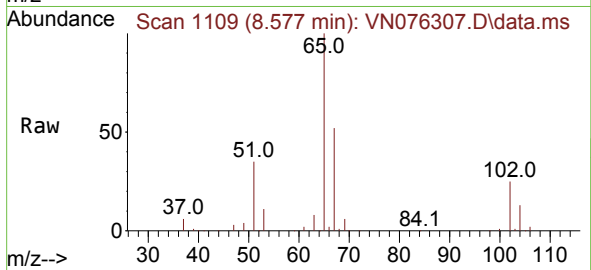
PE-10

Tgt Ion: 65 Resp: 214336

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1198

Delta R.T. -0.006 min

Lab File: VN076307.D

Acq: 18 Jan 2023 20:19

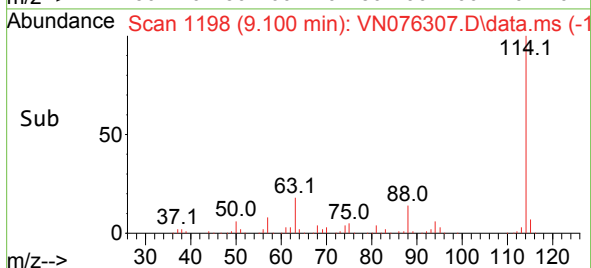
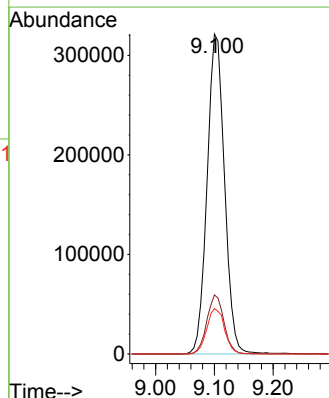
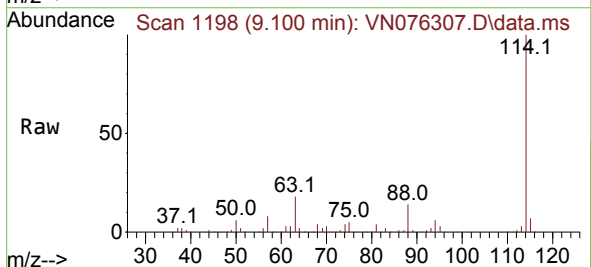
Tgt Ion:114 Resp: 660977

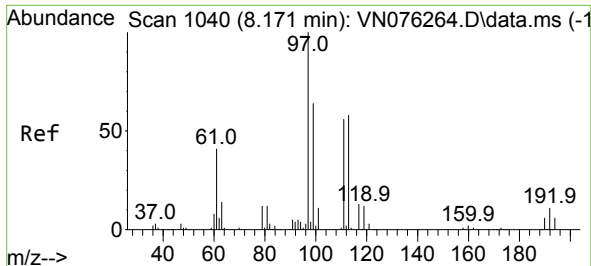
Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.8

88 14.2 0.0 28.0





#35

Dibromofluoromethane

Concen: 45.913 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076307.D

Acq: 18 Jan 2023 20:19

Instrument :

MSVOA_N

ClientSampleId :

PE-10

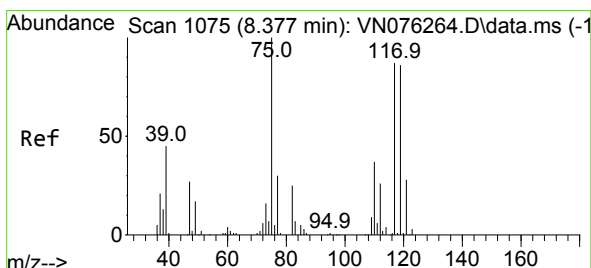
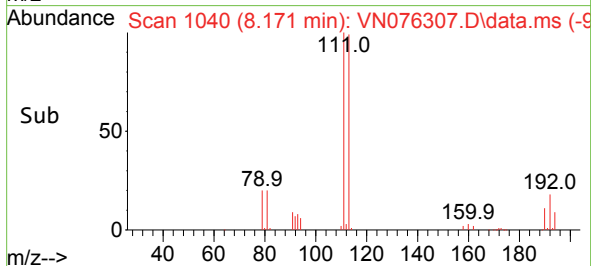
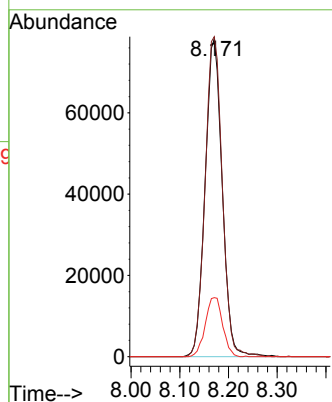
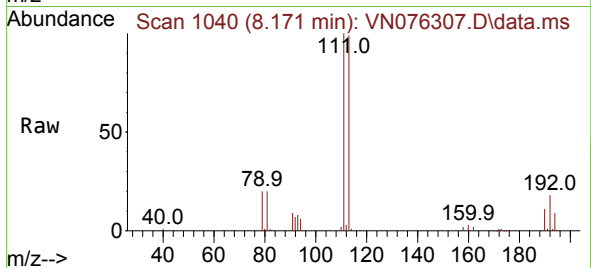
Tgt Ion:113 Resp: 189836

Ion Ratio Lower Upper

113 100

111 101.2 82.7 124.1

192 18.9 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.160 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN076307.D

Acq: 18 Jan 2023 20:19

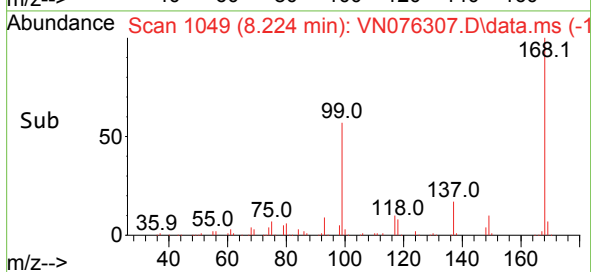
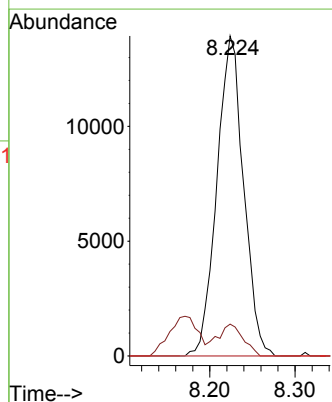
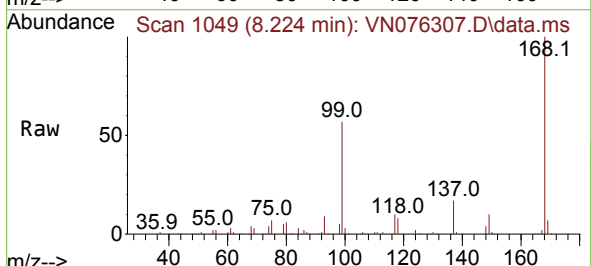
Tgt Ion: 75 Resp: 30314

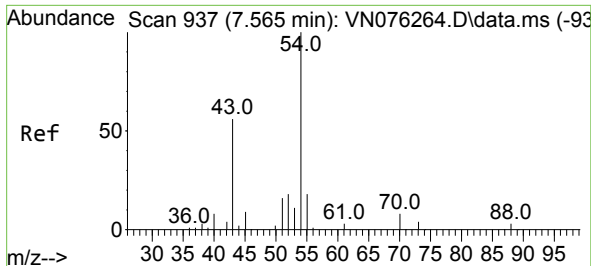
Ion Ratio Lower Upper

75 100

110 9.0 18.8 56.3#

77 0.0 25.0 37.4#

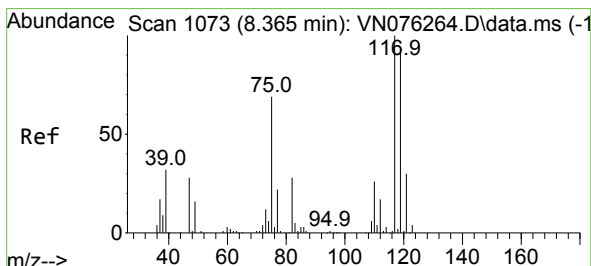
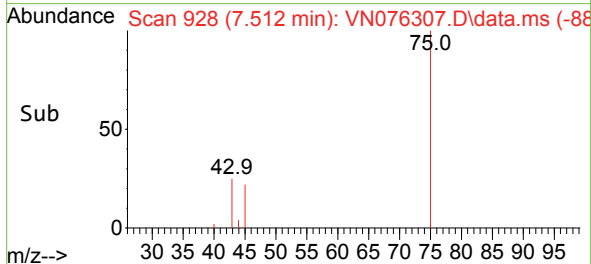
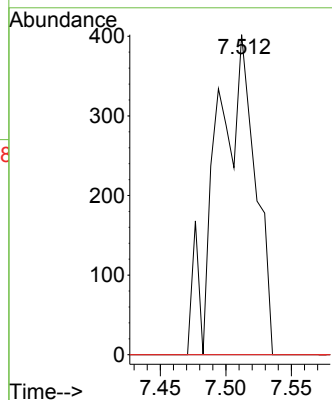
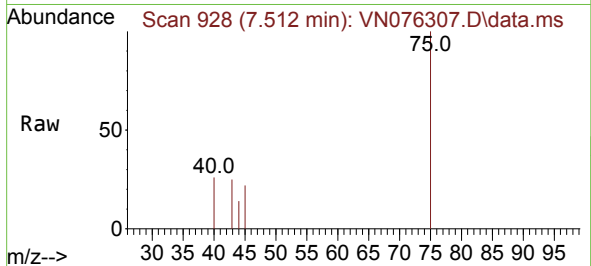




#37
Ethyl Acetate
Concen: 0.211 ug/l
RT: 7.512 min Scan# 91
Delta R.T. -0.053 min
Lab File: VN076307.D
Acq: 18 Jan 2023 20:19

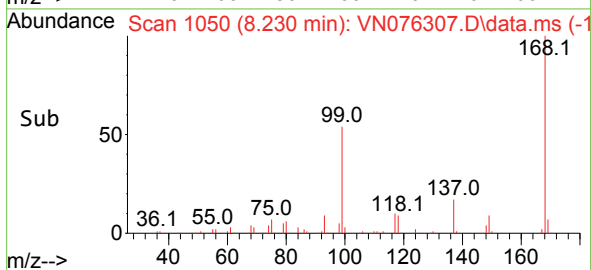
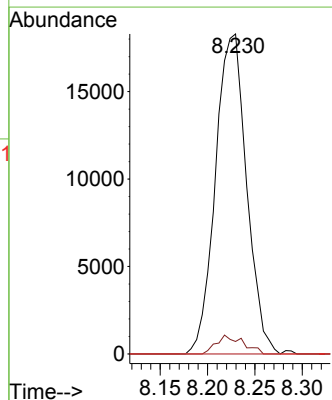
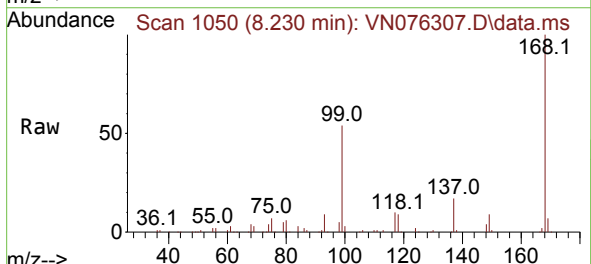
Instrument :
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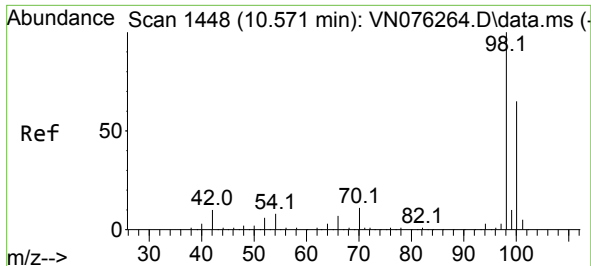
Tgt Ion: 43 Resp: 823
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 6.395 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076307.D
Acq: 18 Jan 2023 20:19

Tgt Ion: 117 Resp: 41900
Ion Ratio Lower Upper
117 100
119 3.9 75.4 113.0#
121 0.0 24.2 36.2#

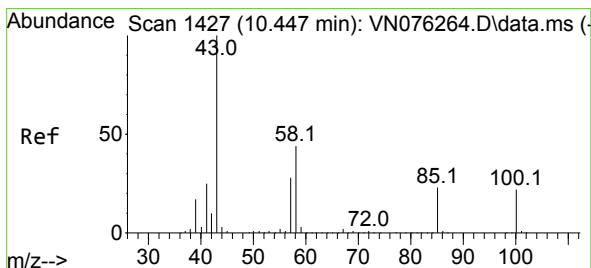
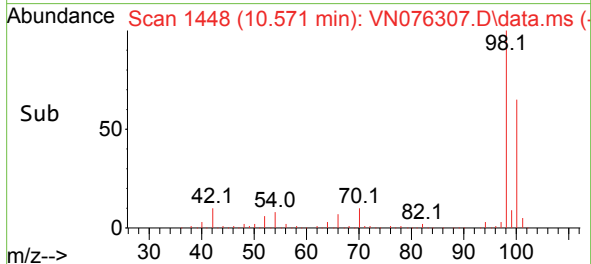
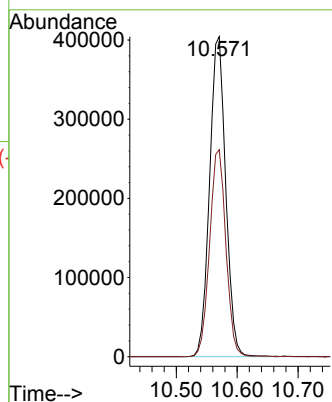
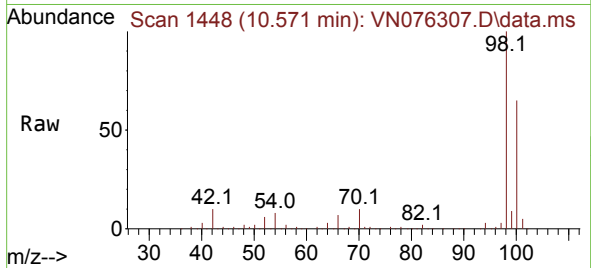




#50
Toluene-d8
Concen: 48.725 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076307.D
Acq: 18 Jan 2023 20:19

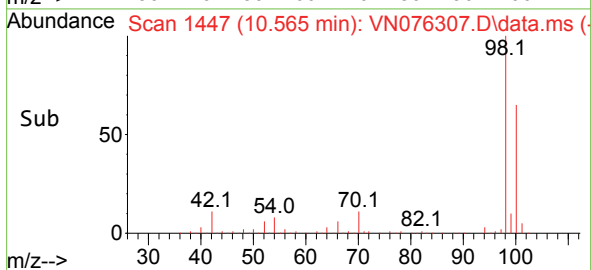
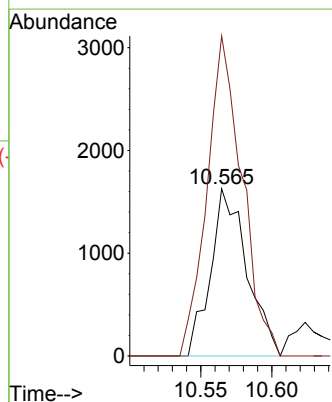
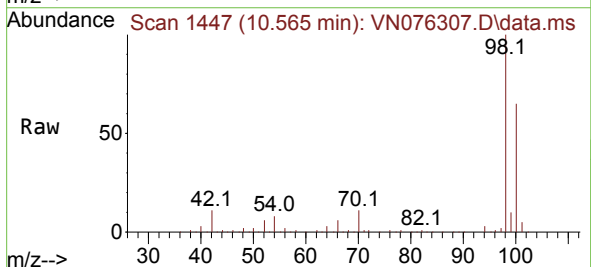
Instrument :
MSVOA_N
ClientSampleId :
PE-10

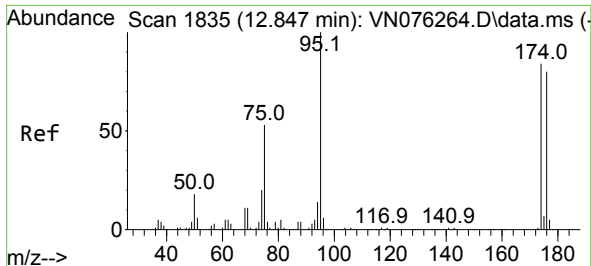
Tgt Ion: 98 Resp: 744031
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.643 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN076307.D
Acq: 18 Jan 2023 20:19

Tgt Ion: 43 Resp: 2892
Ion Ratio Lower Upper
43 100
58 185.1 35.1 52.7#

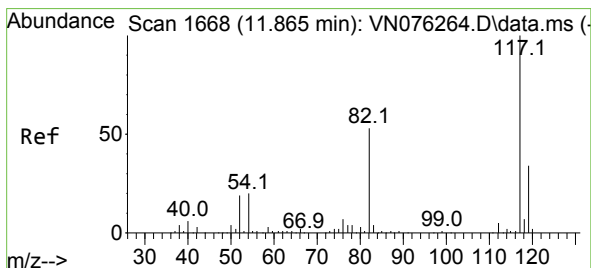
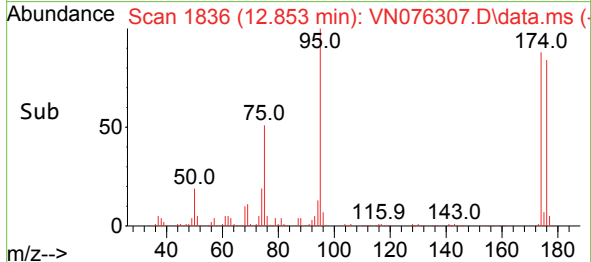
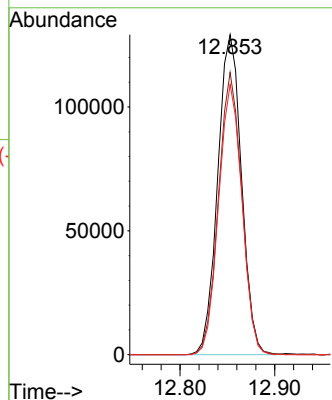
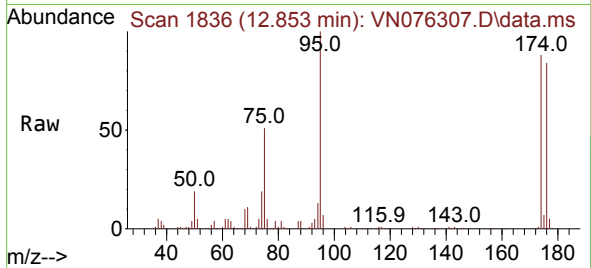




#62
4-Bromofluorobenzene
Concen: 45.273 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076307.D
Acq: 18 Jan 2023 20:19

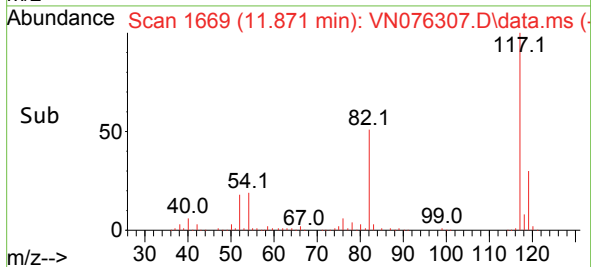
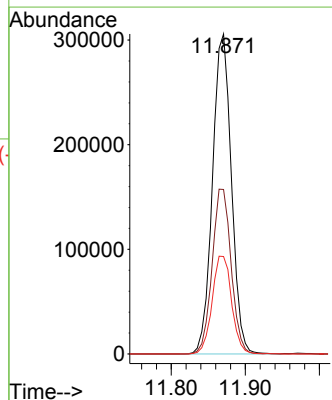
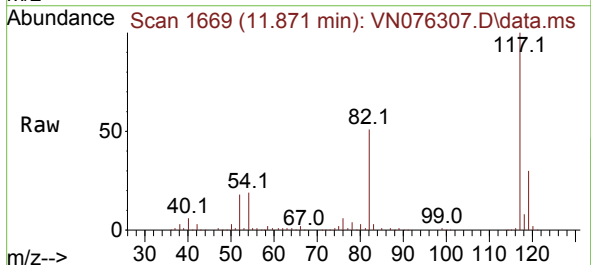
Instrument :
MSVOA_N
ClientSampleId :
PE-10

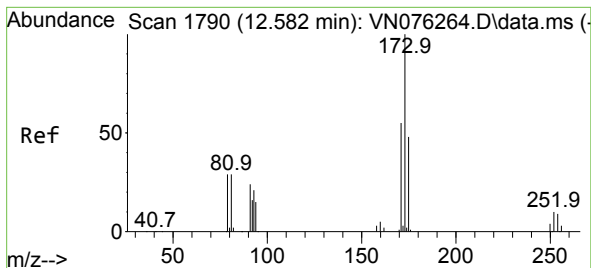
Tgt Ion: 95 Resp: 225682
Ion Ratio Lower Upper
95 100
174 86.8 0.0 174.6
176 82.8 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN076307.D
Acq: 18 Jan 2023 20:19

Tgt Ion: 117 Resp: 541993
Ion Ratio Lower Upper
117 100
82 51.4 42.2 63.2
119 30.5 26.9 40.3





#71

Bromoform

Concen: 0.493 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN076307.D

Acq: 18 Jan 2023 20:19

Instrument :

MSVOA_N

ClientSampleId :

PE-10

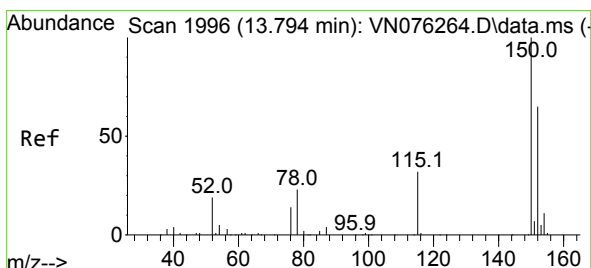
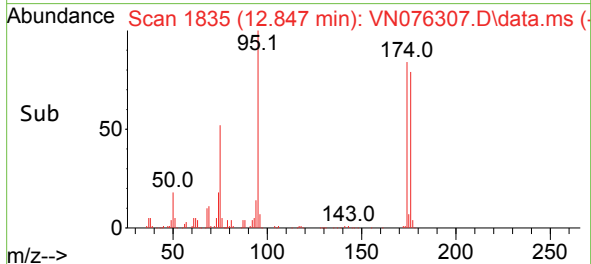
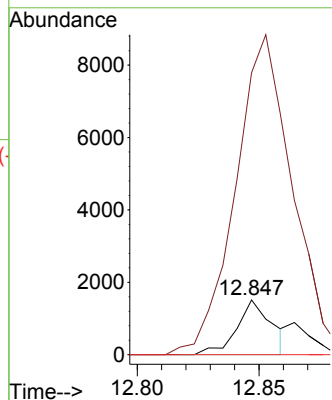
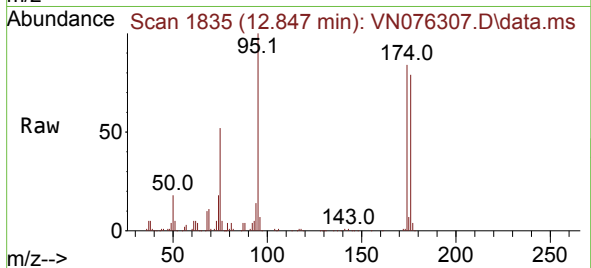
Tgt Ion:173 Resp: 1519

Ion Ratio Lower Upper

173 100

175 752.1 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: VN076307.D

Acq: 18 Jan 2023 20:19

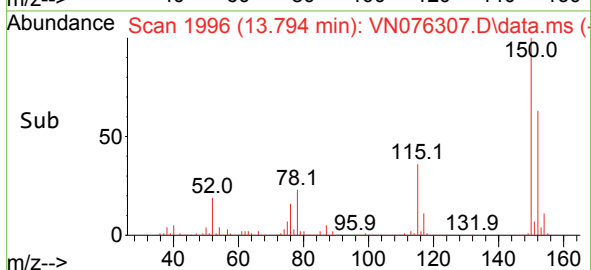
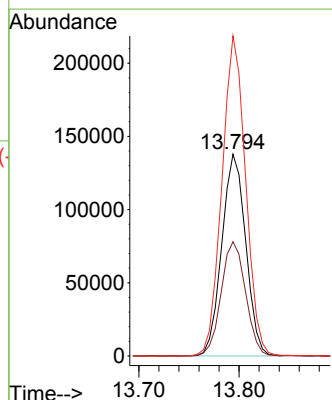
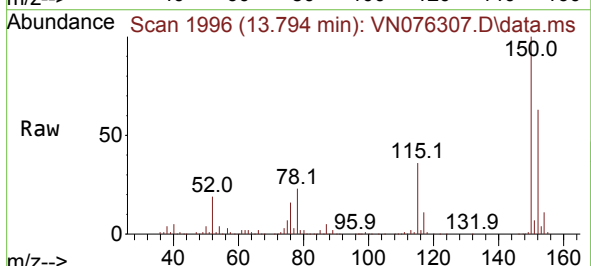
Tgt Ion:152 Resp: 228524

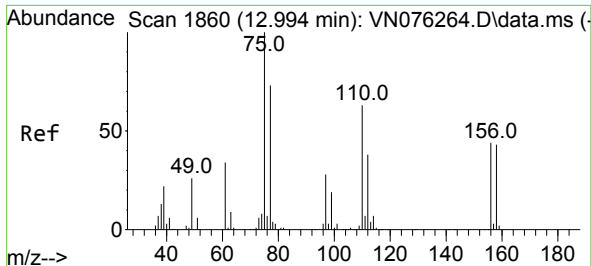
Ion Ratio Lower Upper

152 100

115 57.7 29.6 88.9

150 156.9 0.0 351.4

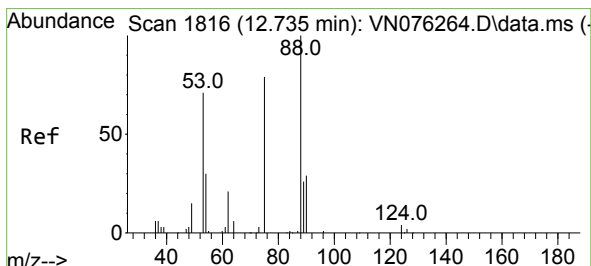
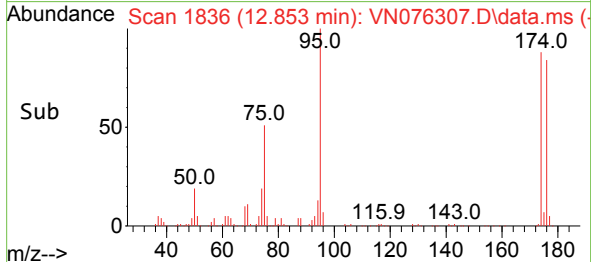
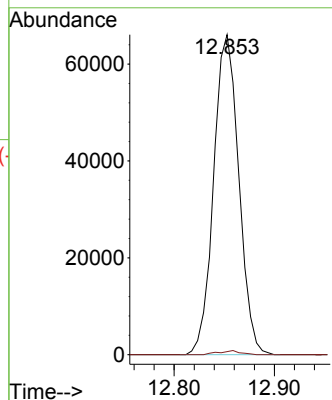
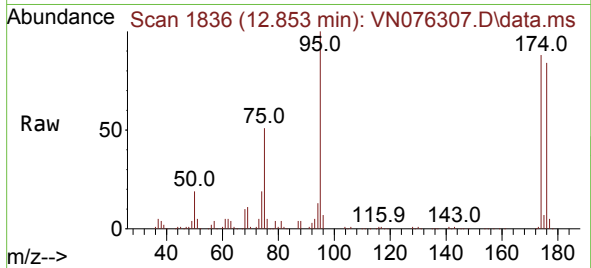




#76
1,2,3-Trichloropropane
Concen: 27.201 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076307.D
Acq: 18 Jan 2023 20:19

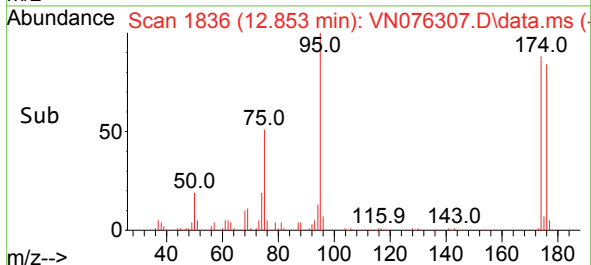
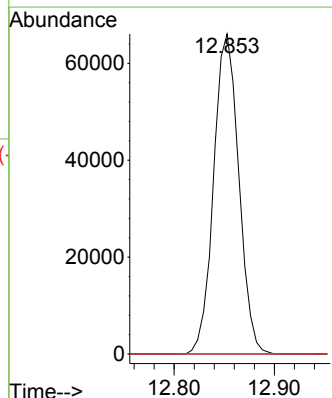
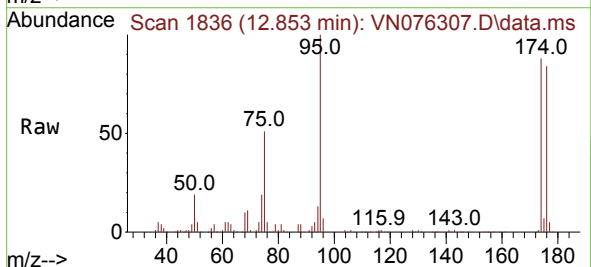
Instrument :
MSVOA_N
ClientSampleId :
PE-10

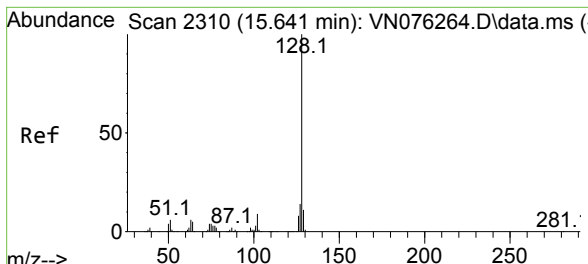
Tgt Ion: 75 Resp: 115040
Ion Ratio Lower Upper
75 100
77 1.1 75.2 225.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.758 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076307.D
Acq: 18 Jan 2023 20:19

Tgt Ion: 75 Resp: 115040
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#





#95
 Naphthalene
 Concen: 1.950 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN076307.D
 Acq: 18 Jan 2023 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 PE-10

Tgt Ion:	128	Resp:	1365
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	19.0	8.6	13.0#

