

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030624\
 Data File : VN081326.D
 Acq On : 06 Mar 2024 15:02
 Operator : JC\MD
 Sample : P1683-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3525

Quant Time: Mar 07 00:27:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

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

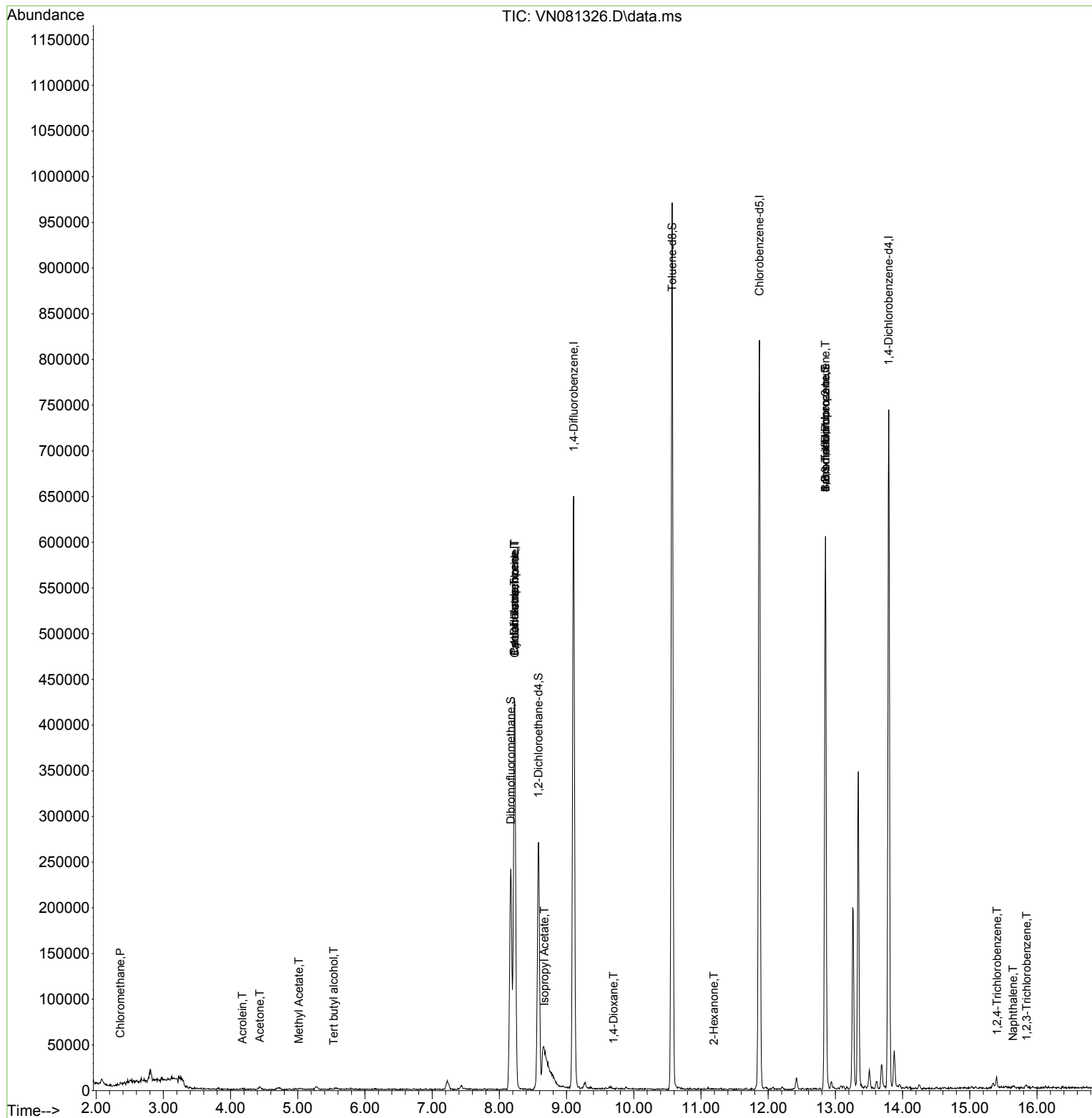
Internal Standards						
1) Pentafluorobenzene	8.224	168	293160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	549443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	465744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	192580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	217818	51.387	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 102.780%		
35) Dibromofluoromethane	8.171	113	170671	50.701	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.400%		
50) Toluene-d8	10.571	98	645041	51.259	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.520%		
62) 4-Bromofluorobenzene	12.853	95	199652	44.890	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	= 89.780%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1277	0.304	ug/l #	68
11) Tert butyl alcohol	5.536	59	607	0.819	ug/l #	72
13) Acrolein	4.177	56	249	0.284	ug/l #	80
16) Acetone	4.436	43	5304	3.532	ug/l #	84
18) Methyl Acetate	5.018	43	2406	0.560	ug/l #	54
20) Methylene Chloride	5.289	84	2087	Below Cal	#	61
31) Cyclohexane	8.224	56	8195	1.277	ug/l #	30
36) 1,1-Dichloropropene	8.224	75	28611	5.268	ug/l #	53
38) Carbon Tetrachloride	8.230	117	34331	6.281	ug/l #	19
43) Isopropyl Acetate	8.671	43	109373	11.771	ug/l #	57
49) 1,4-Dioxane	9.700	88	54	0.597	ug/l #	1
59) 2-Hexanone	11.194	43	840	0.208	ug/l #	26
71) Bromoform	12.853	173	1654	0.663	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	113258	24.899	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	113258	69.489	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.406	180	746	0.209	ug/l	80
95) Naphthalene	15.647	128	3094	0.244	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.847	180	914	0.252	ug/l #	83

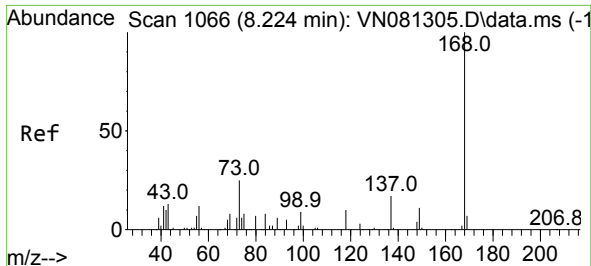
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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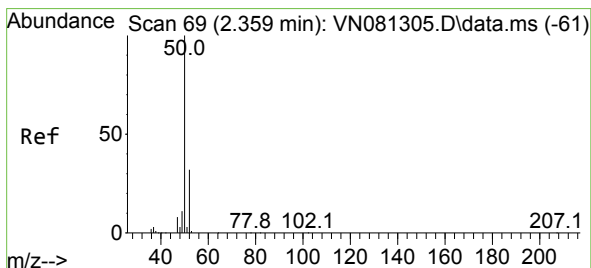
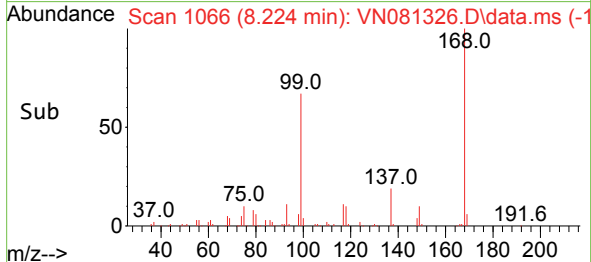
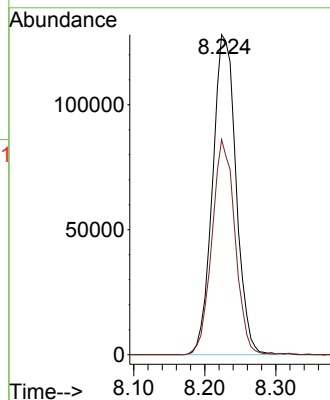
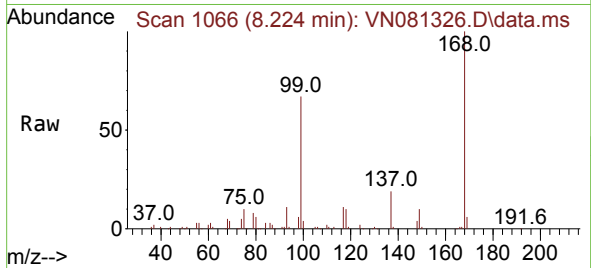




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081326.D
Acq: 06 Mar 2024 15:02

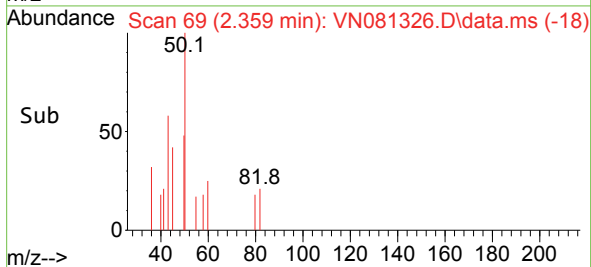
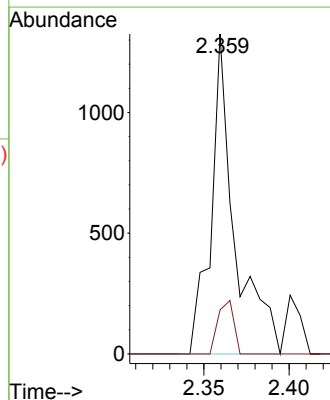
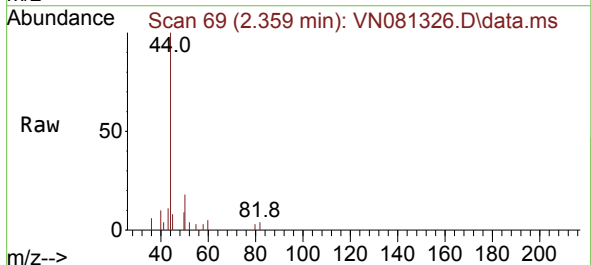
Instrument :
MSVOA_N
ClientSampleId :
3525

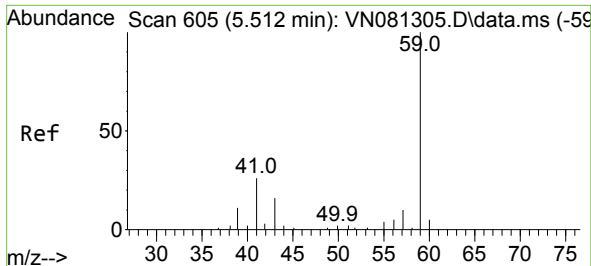
Tgt Ion:168 Resp: 293160
Ion Ratio Lower Upper
168 100
99 67.2 59.9 89.9



#3
Chloromethane
Concen: 0.304 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN081326.D
Acq: 06 Mar 2024 15:02

Tgt Ion: 50 Resp: 1277
Ion Ratio Lower Upper
50 100
52 13.7 25.0 37.4#





#11

Tert butyl alcohol

Concen: 0.819 ug/l

RT: 5.536 min Scan# 609

Delta R.T. 0.024 min

Lab File: VN081326.D

Acq: 06 Mar 2024 15:02

Instrument :

MSVOA_N

ClientSampleId :

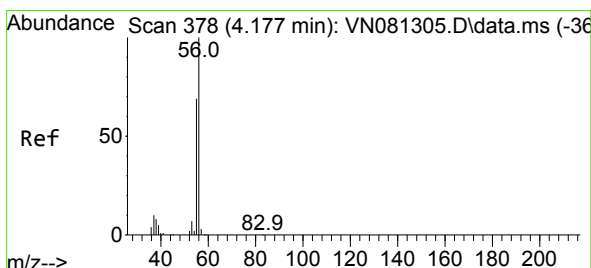
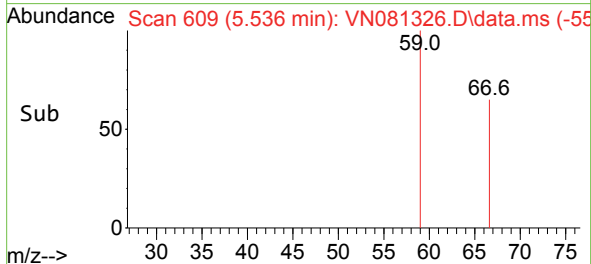
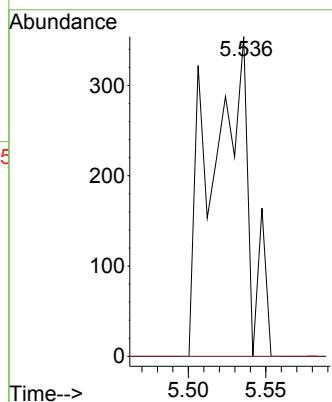
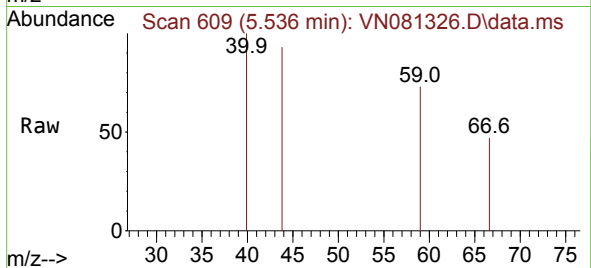
3525

Tgt Ion: 59 Resp: 607

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#13

Acrolein

Concen: 0.284 ug/l

RT: 4.177 min Scan# 378

Delta R.T. 0.000 min

Lab File: VN081326.D

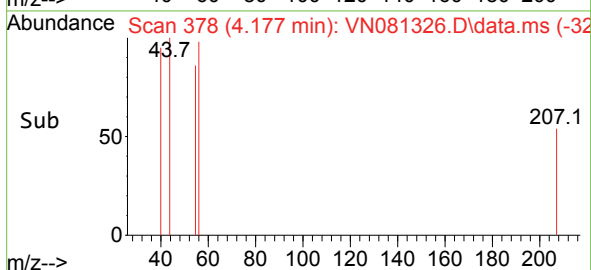
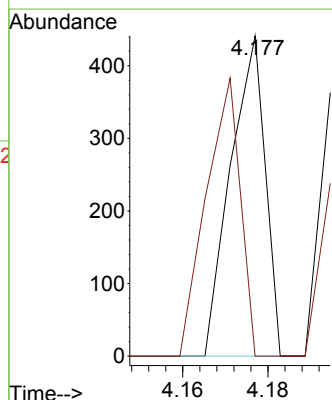
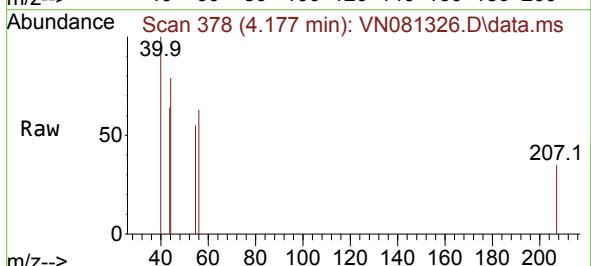
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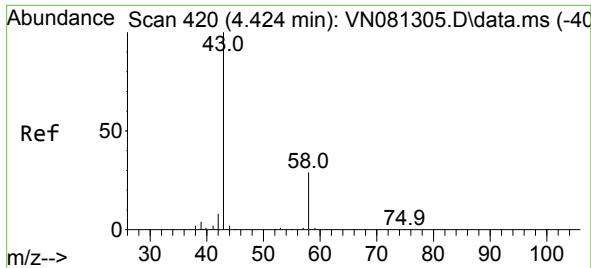
Tgt Ion: 56 Resp: 249

Ion Ratio Lower Upper

56 100

55 85.1 55.3 82.9#





#16

Acetone

Concen: 3.532 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN081326.D

Acq: 06 Mar 2024 15:02

Instrument :

MSVOA_N

ClientSampleId :

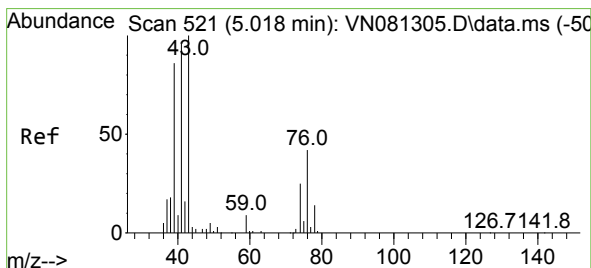
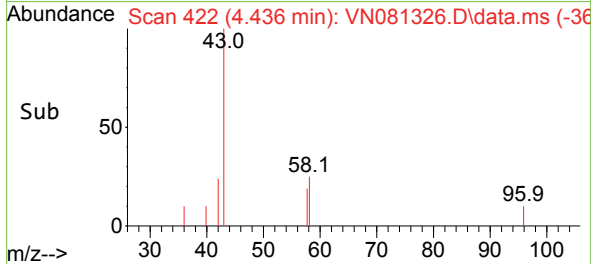
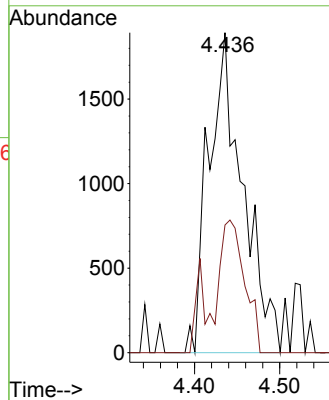
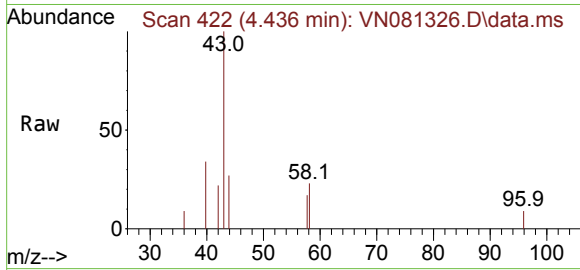
3525

Tgt Ion: 43 Resp: 5304

Ion Ratio Lower Upper

43 100

58 39.9 24.8 37.2#



#18

Methyl Acetate

Concen: 0.560 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN081326.D

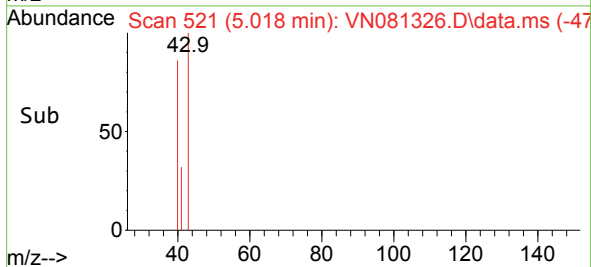
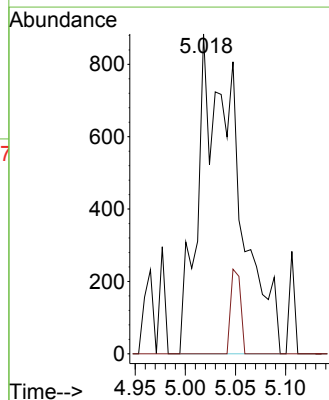
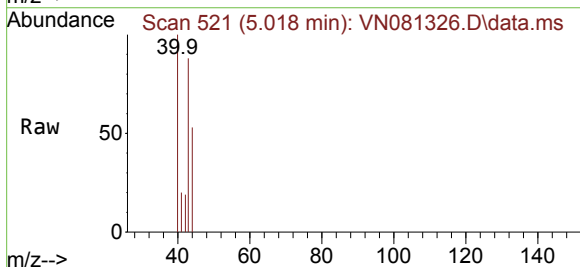
Acq: 06 Mar 2024 15:02

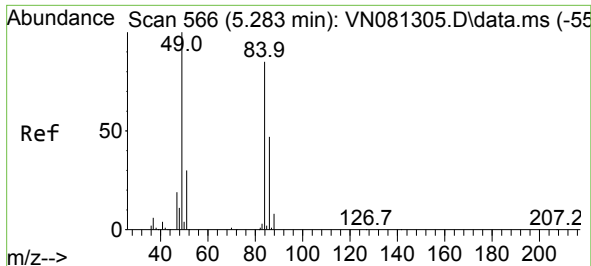
Tgt Ion: 43 Resp: 2406

Ion Ratio Lower Upper

43 100

74 0.0 17.3 25.9#

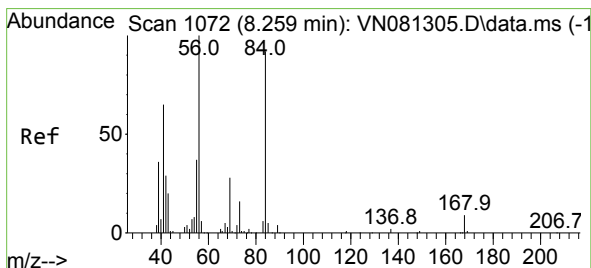
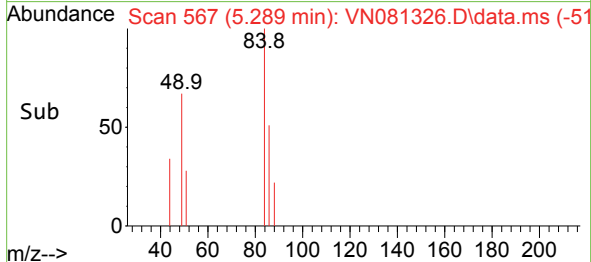
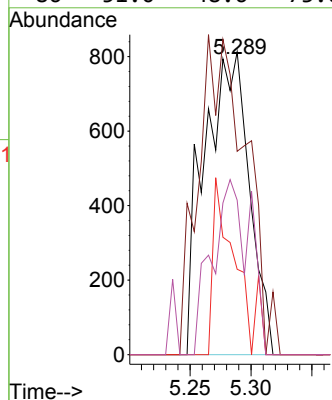
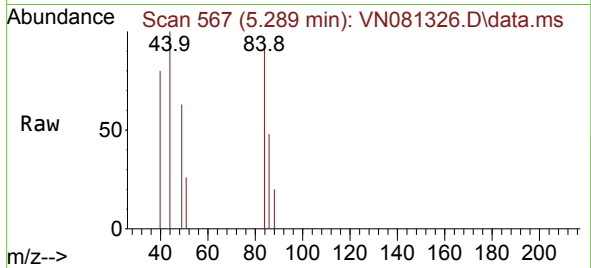




#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081326.D
Acq: 06 Mar 2024 15:02

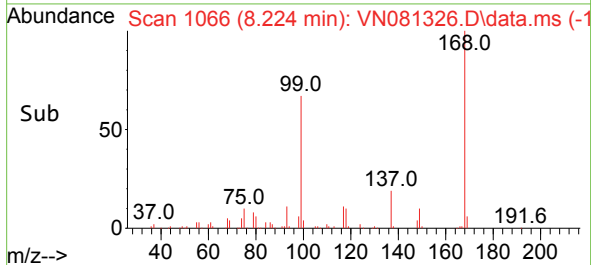
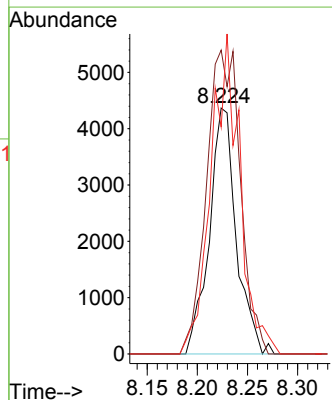
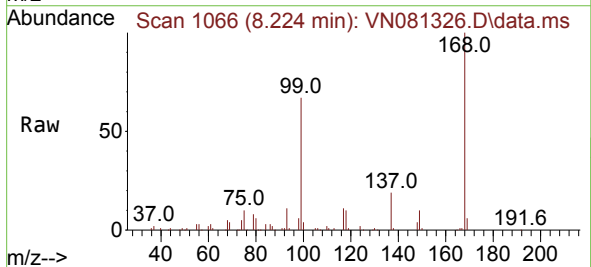
Instrument :
MSVOA_N
ClientSampleId :
3525

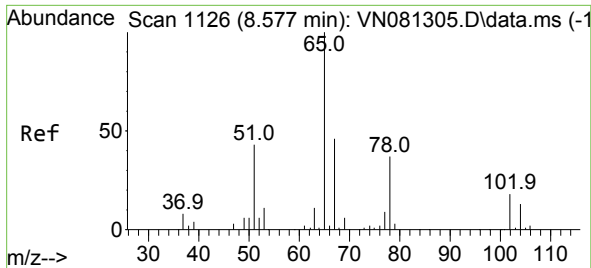
Tgt Ion:	84	Resp:	2087
Ion	Ratio	Lower	Upper
84	100		
49	67.2	108.1	162.1#
51	28.2	32.9	49.3#
86	51.0	48.6	73.0



#31
Cyclohexane
Concen: 1.277 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081326.D
Acq: 06 Mar 2024 15:02

Tgt Ion:	56	Resp:	8195
Ion	Ratio	Lower	Upper
56	100		
69	123.6	20.1	30.1#
84	92.3	56.9	85.3#

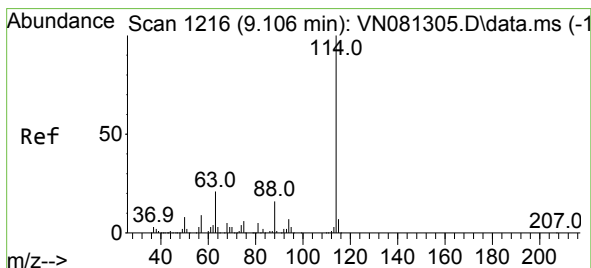
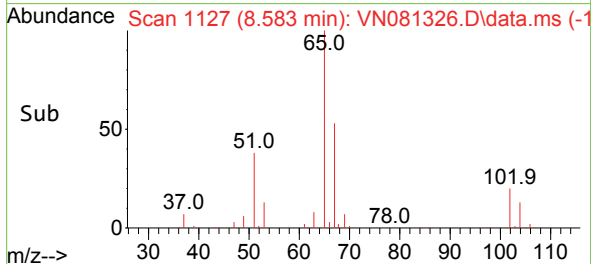
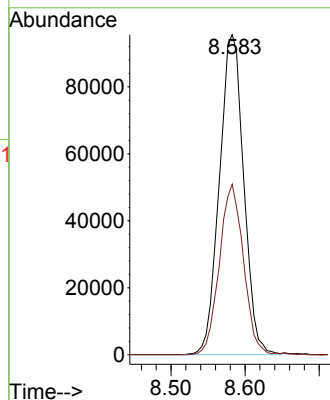
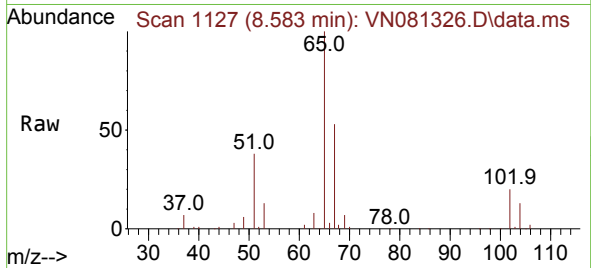




#33
 1,2-Dichloroethane-d4
 Concen: 51.387 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VN081326.D
 Acq: 06 Mar 2024 15:02

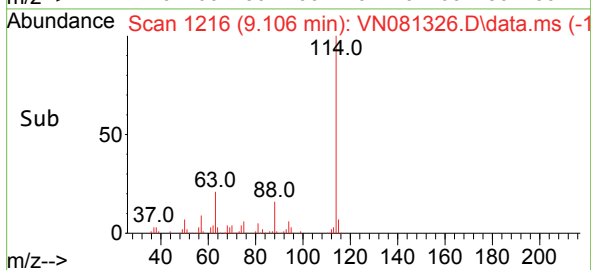
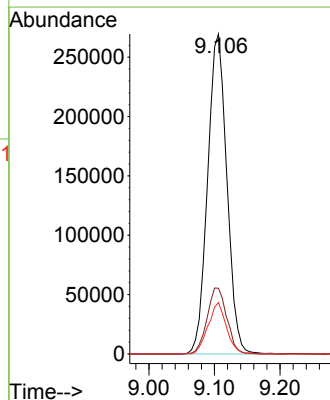
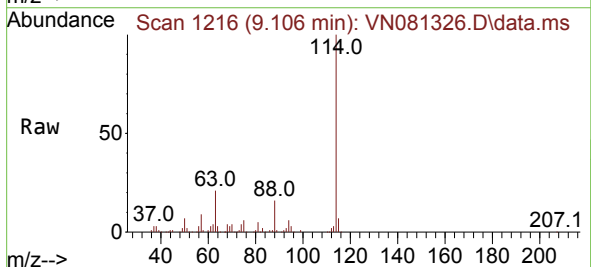
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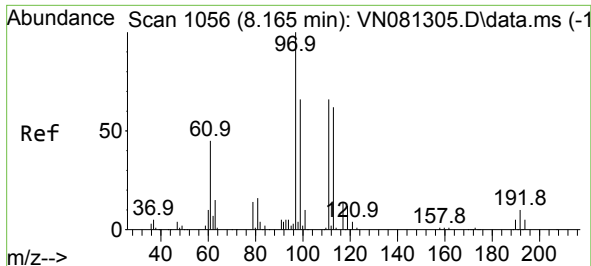
Tgt Ion: 65 Resp: 217818
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN081326.D
 Acq: 06 Mar 2024 15:02

Tgt Ion: 114 Resp: 549443
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 48.0
 88 16.0 0.0 34.8

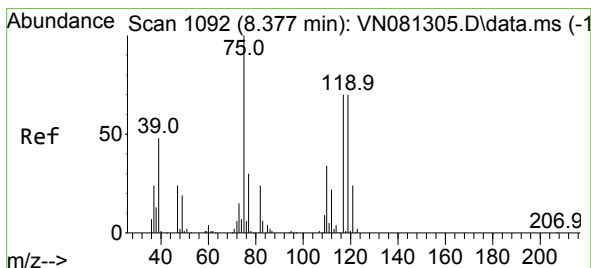
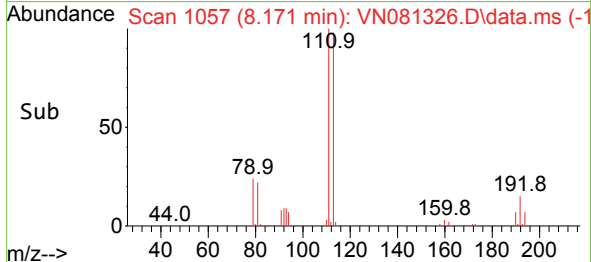
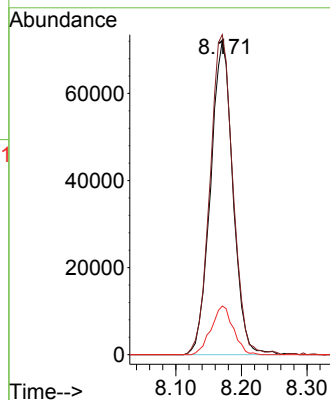
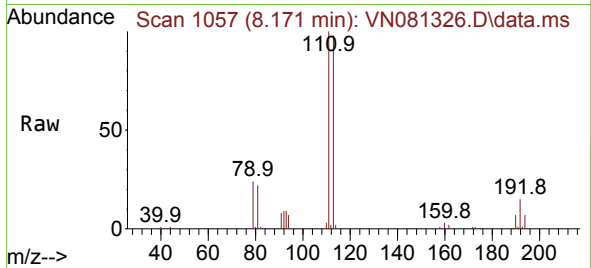




#35
Dibromofluoromethane
Concen: 50.701 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081326.D
Acq: 06 Mar 2024 15:02

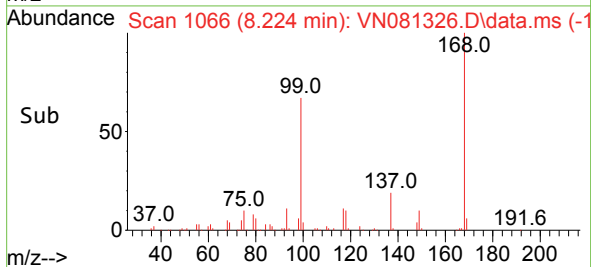
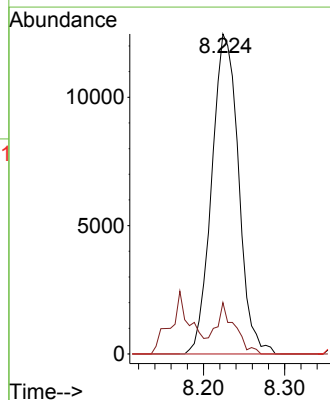
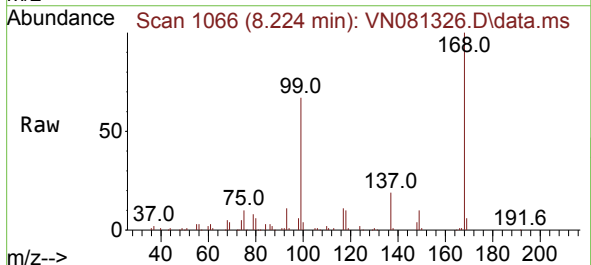
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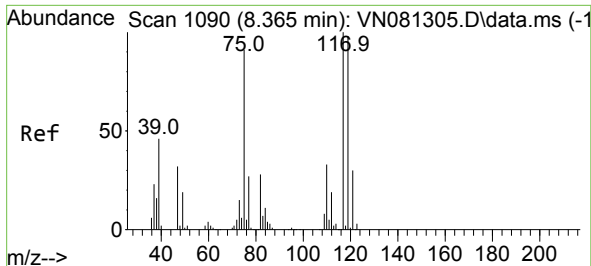
Tgt Ion:113 Resp: 170671
Ion Ratio Lower Upper
113 100
111 104.6 82.2 123.4
192 15.4 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.268 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN081326.D
Acq: 06 Mar 2024 15:02

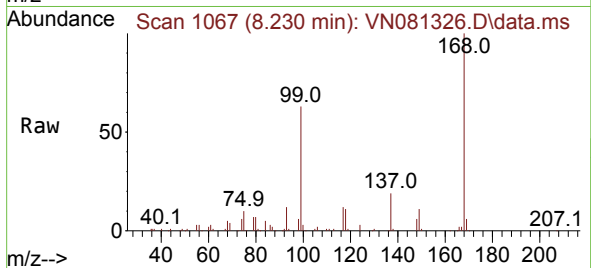
Tgt Ion: 75 Resp: 28611
Ion Ratio Lower Upper
75 100
110 11.6 16.0 48.0#
77 0.0 25.8 38.6#



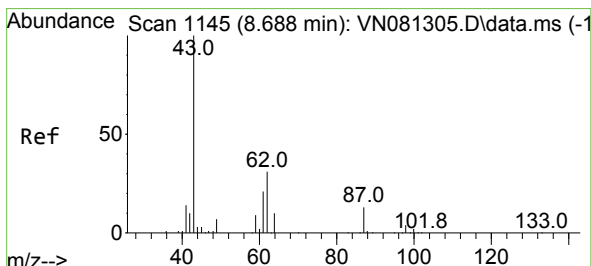
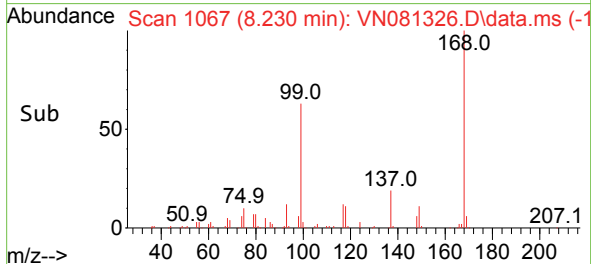
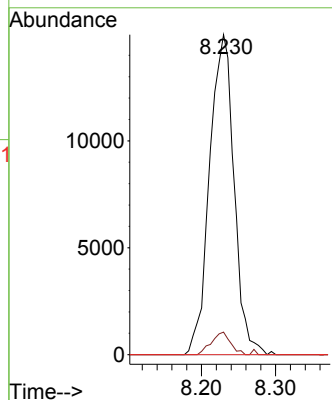


#38
Carbon Tetrachloride
Concen: 6.281 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN081326.D
Acq: 06 Mar 2024 15:02

Instrument :
MSVOA_N
ClientSampleId :
3525

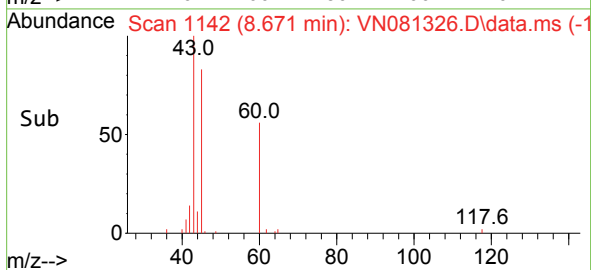
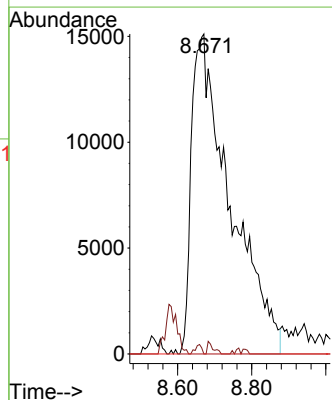
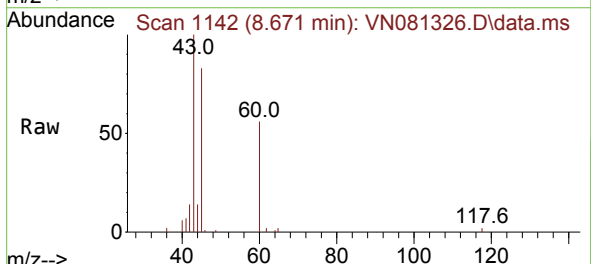


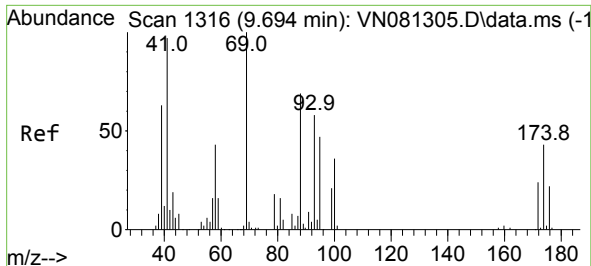
Tgt Ion:117 Resp: 34331
Ion Ratio Lower Upper
117 100
119 7.1 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 11.771 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.018 min
Lab File: VN081326.D
Acq: 06 Mar 2024 15:02

Tgt Ion: 43 Resp: 109373
Ion Ratio Lower Upper
43 100
61 0.6 19.9 29.9#
87 0.0 9.0 13.6#

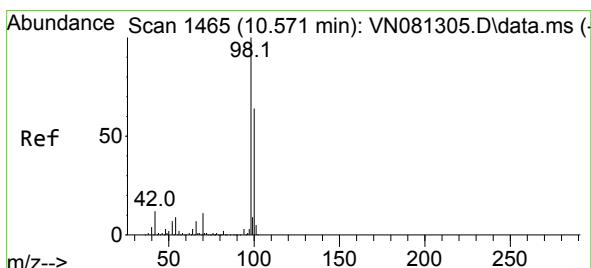
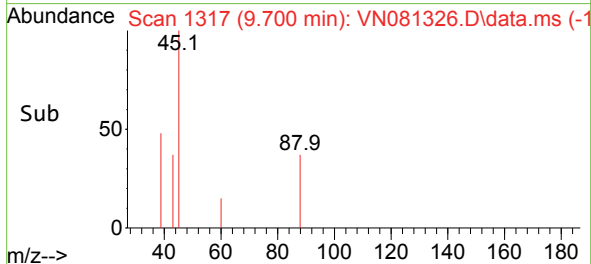
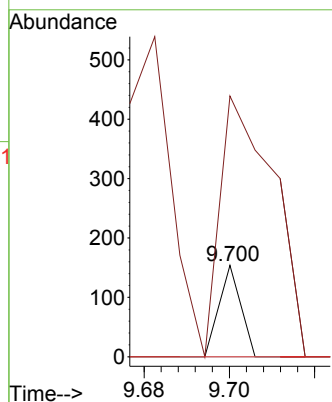
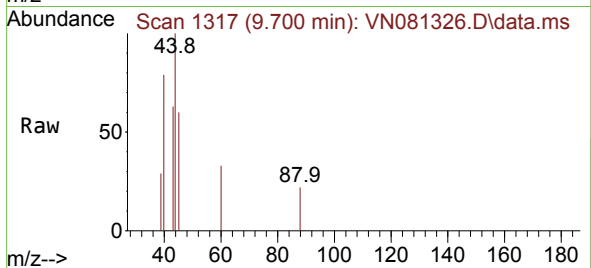




#49
1,4-Dioxane
Concen: 0.597 ug/l
RT: 9.700 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081326.D
Acq: 06 Mar 2024 15:02

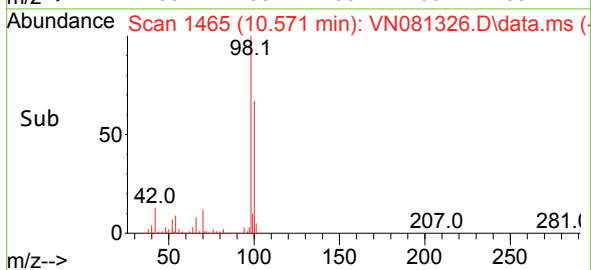
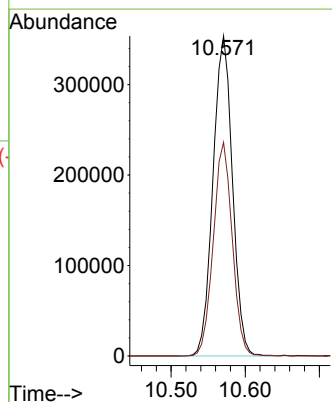
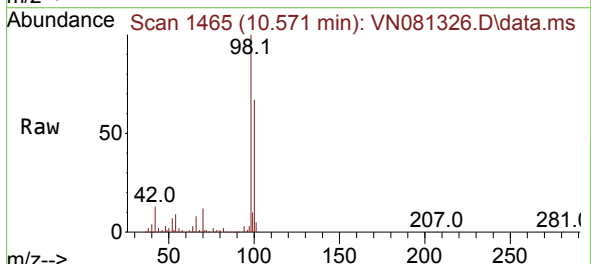
Instrument :
MSVOA_N
ClientSampleId :
3525

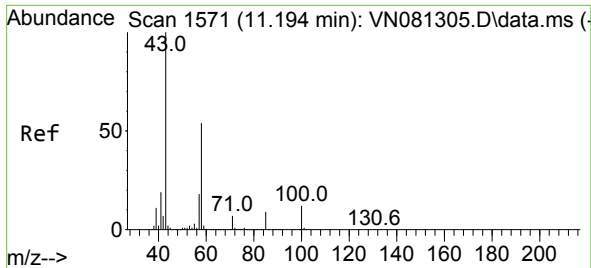
Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 711.1 30.1 45.1#
58 0.0 63.9 95.9#



#50
Toluene-d8
Concen: 51.259 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081326.D
Acq: 06 Mar 2024 15:02

Tgt Ion: 98 Resp: 645041
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0

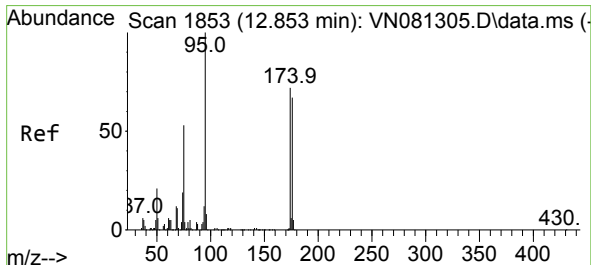
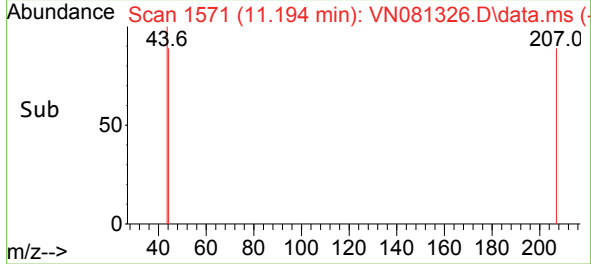
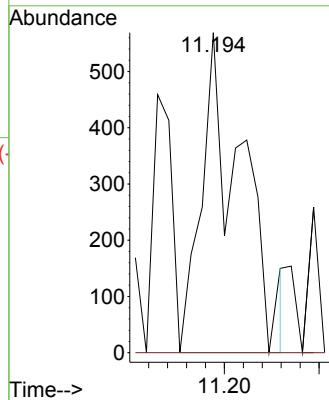
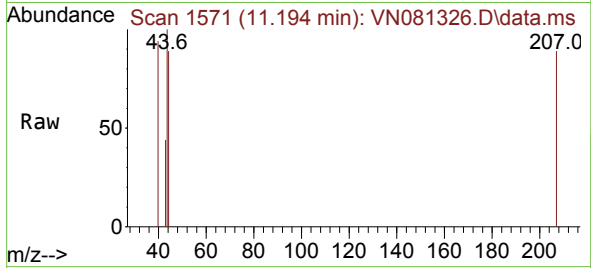




#59
2-Hexanone
Concen: 0.208 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN081326.D
Acq: 06 Mar 2024 15:02

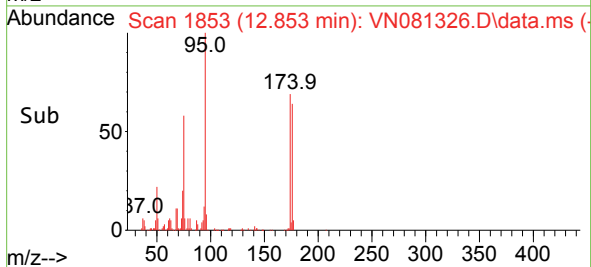
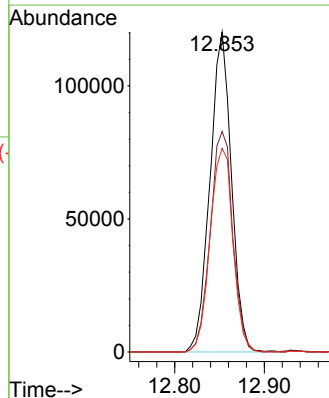
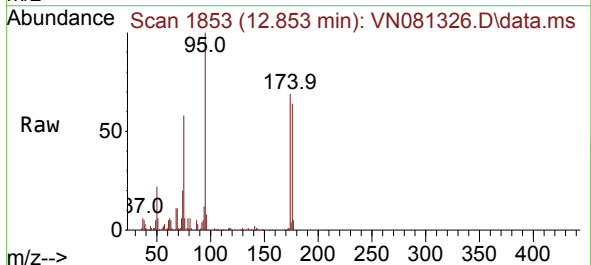
Instrument :
MSVOA_N
ClientSampleId :
3525

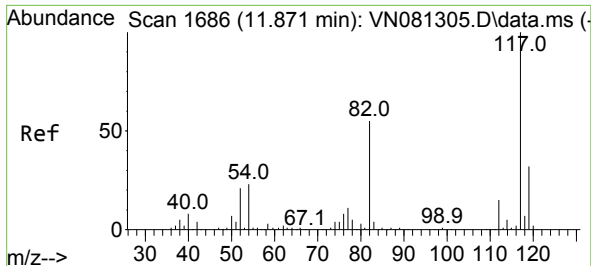
Tgt Ion: 43 Resp: 840
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 44.890 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081326.D
Acq: 06 Mar 2024 15:02

Tgt Ion: 95 Resp: 199652
Ion Ratio Lower Upper
95 100
174 72.3 0.0 120.4
176 67.6 0.0 121.0

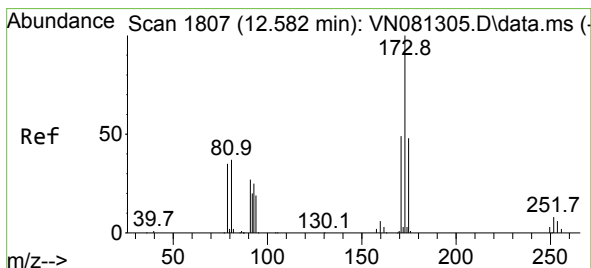
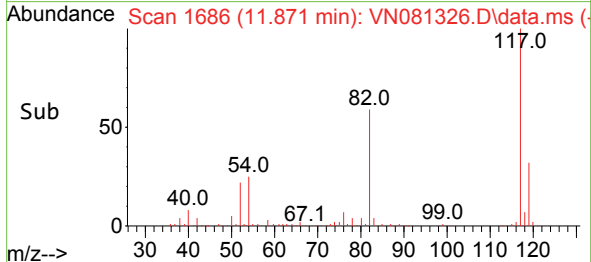
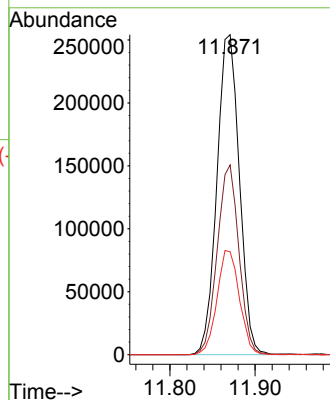
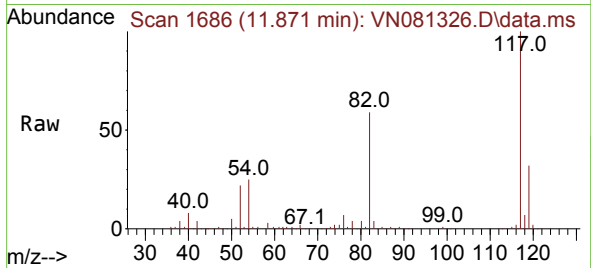




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081326.D
Acq: 06 Mar 2024 15:02

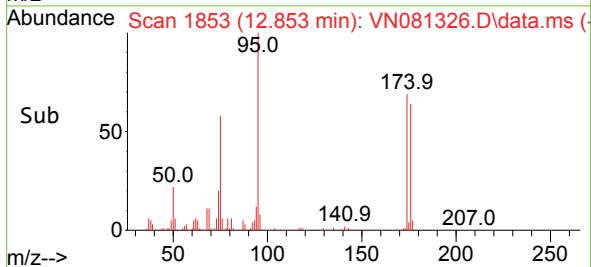
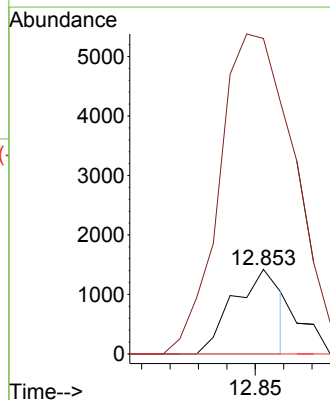
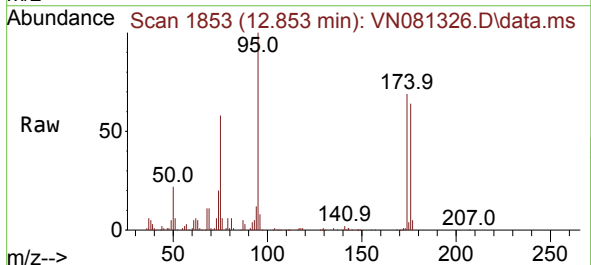
Instrument :
MSVOA_N
ClientSampleId :
3525

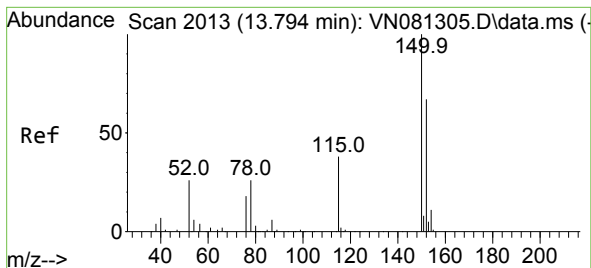
Tgt Ion:117 Resp: 465744
Ion Ratio Lower Upper
117 100
82 59.3 52.7 79.1
119 32.2 25.3 37.9



#71
Bromoform
Concen: 0.663 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN081326.D
Acq: 06 Mar 2024 15:02

Tgt Ion:173 Resp: 1654
Ion Ratio Lower Upper
173 100
175 484.3 23.1 69.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081326.D

Acq: 06 Mar 2024 15:02

Instrument :

MSVOA_N

ClientSampleId :

3525

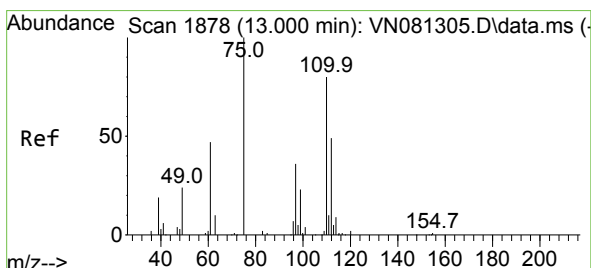
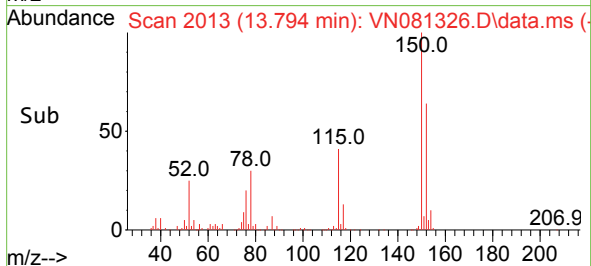
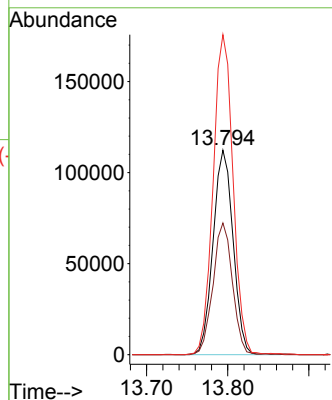
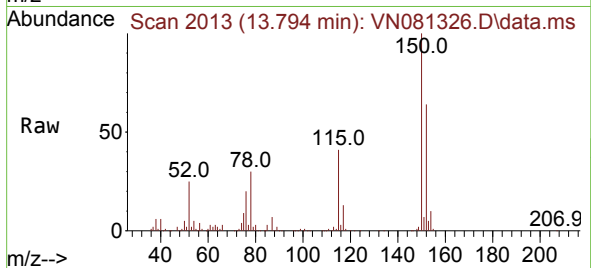
Tgt Ion:152 Resp: 192580

Ion Ratio Lower Upper

152 100

115 62.6 32.3 96.8

150 155.2 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 24.899 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN081326.D

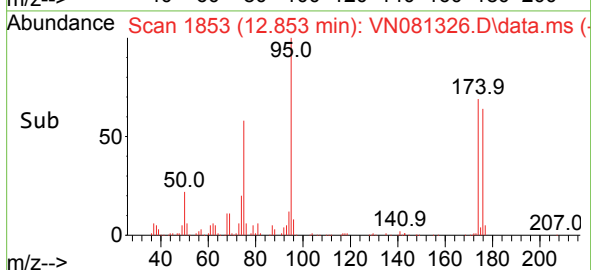
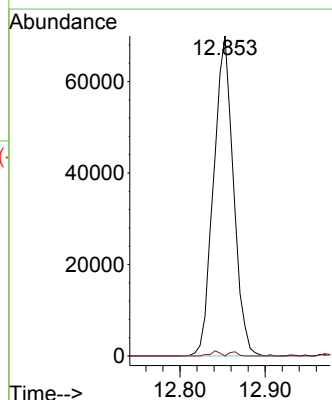
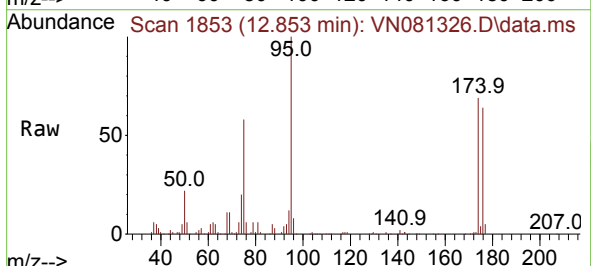
Acq: 06 Mar 2024 15:02

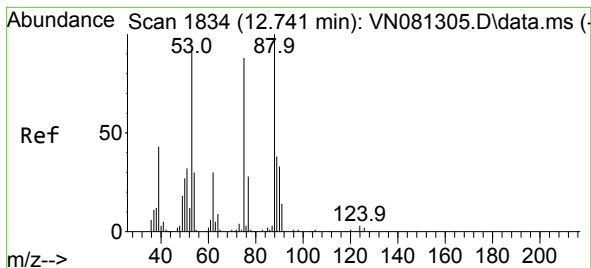
Tgt Ion: 75 Resp: 113258

Ion Ratio Lower Upper

75 100

77 0.6 91.0 272.8#

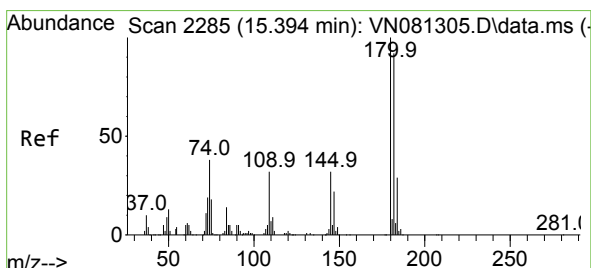
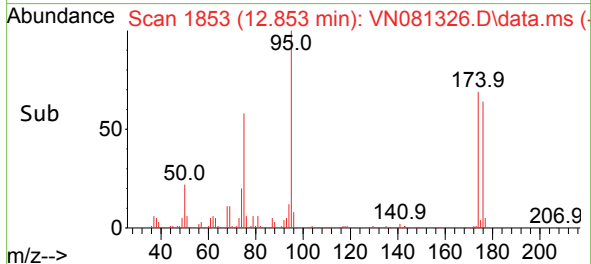
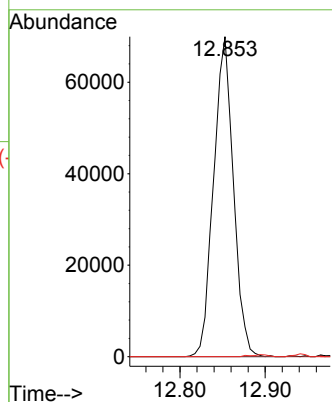
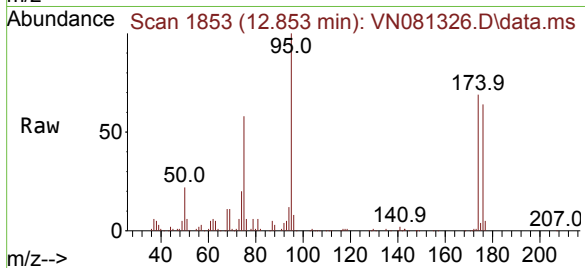




#81
trans-1,4-Dichloro-2-butene
Concen: 69.489 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081326.D
Acq: 06 Mar 2024 15:02

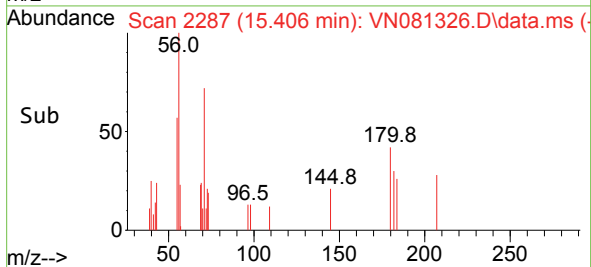
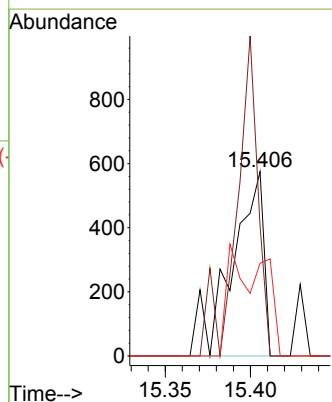
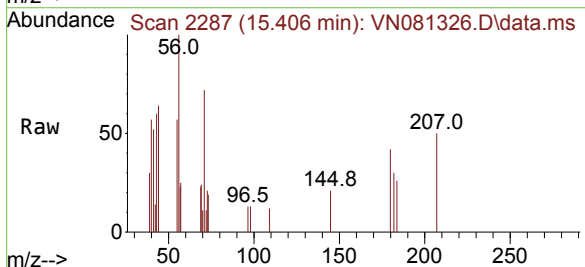
Instrument :
MSVOA_N
ClientSampleId :
3525

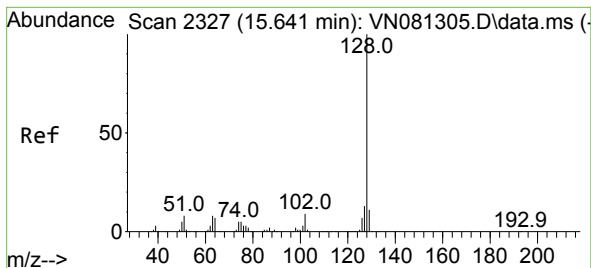
Tgt Ion: 75 Resp: 113258
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.209 ug/l
RT: 15.406 min Scan# 2287
Delta R.T. 0.012 min
Lab File: VN081326.D
Acq: 06 Mar 2024 15:02

Tgt Ion:180 Resp: 746
Ion Ratio Lower Upper
180 100
182 117.2 46.6 139.7
145 37.1 16.8 50.3





#95

Naphthalene

Concen: 0.244 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN081326.D

Acq: 06 Mar 2024 15:02

Instrument :

MSVOA_N

ClientSampleId :

3525

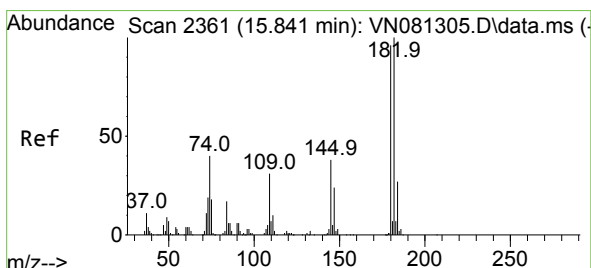
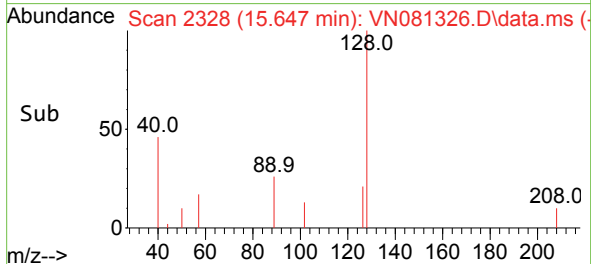
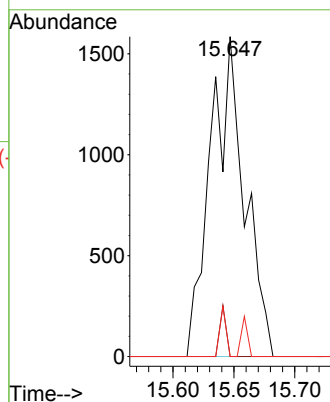
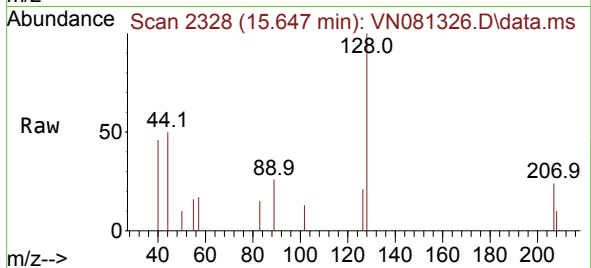
Tgt Ion:128 Resp: 3094

Ion Ratio Lower Upper

128 100

127 2.9 10.0 15.0#

129 2.8 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.252 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.006 min

Lab File: VN081326.D

Acq: 06 Mar 2024 15:02

Tgt Ion:180 Resp: 914

Ion Ratio Lower Upper

180 100

182 92.7 46.5 139.3

145 0.0 17.8 53.4#

