

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021424\
 Data File : VN081026.D
 Acq On : 14 Feb 2024 15:34
 Operator : JC\MD
 Sample : VN0214MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 08:01:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021424W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 07:59:19 2024
 Response via : Initial Calibration

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

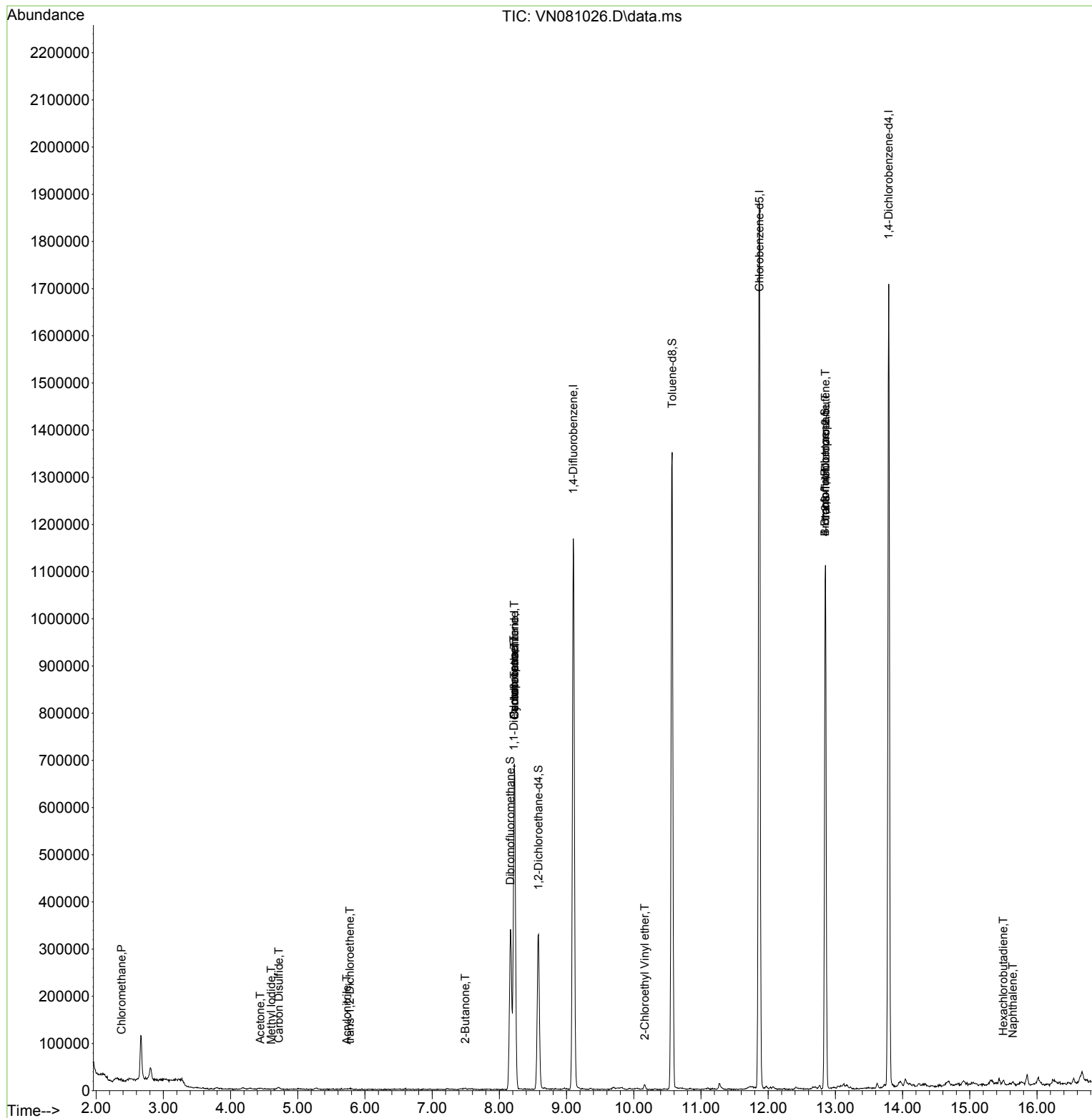
Internal Standards						
1) Pentafluorobenzene	8.224	168	501545	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	1011606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	1087256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	439549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	265598	43.053	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.100%		
35) Dibromofluoromethane	8.165	113	240811	41.519	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	83.040%		
50) Toluene-d8	10.571	98	937833	45.848	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.700%		
62) 4-Bromofluorobenzene	12.847	95	391620	56.292	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	112.580%		
Target Compounds					Qvalue	
3) Chloromethane	2.377	50	7052	0.713	ug/l #	83
10) Methyl Iodide	4.606	142	1183	0.208	ug/l #	39
13) Acrolein	4.183	56	5287	Below Cal	#	43
15) Acrylonitrile	5.730	53	624	0.220	ug/l #	18
16) Acetone	4.442	43	5869	2.430	ug/l #	44
17) Carbon Disulfide	4.718	76	7871	0.497	ug/l #	92
21) trans-1,2-Dichloroethene	5.777	96	1372	0.228	ug/l #	60
25) 2-Butanone	7.494	43	3378	0.862	ug/l #	51
31) Cyclohexane	8.224	56	12257	1.144	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	42582	4.400	ug/l #	52
38) Carbon Tetrachloride	8.224	117	52218	7.372	ug/l #	17
49) 1,4-Dioxane	9.700	88	3110	Below Cal	#	70
58) 2-Chloroethyl Vinyl ether	10.165	63	4493	0.823	ug/l #	83
71) Bromoform	12.847	173	1150	0.288	ug/l #	30
76) 1,2,3-Trichloropropane	12.853	75	207849	21.401	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	207849	49.818	ug/l #	14
90) Hexachloroethane	14.323	117	926	Below Cal	#	21
92) 1,2-Dibromo-3-Chloropr...	14.712	75	208	Below Cal	#	13
94) Hexachlorobutadiene	15.500	225	1073	0.292	ug/l #	69
95) Naphthalene	15.641	128	6488	0.205	ug/l #	82

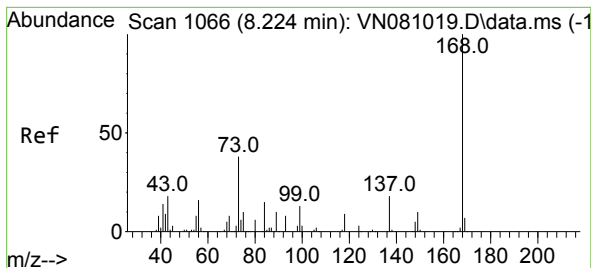
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Feb 15 08:01:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021424W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 15 07:59:19 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081026.D

Acq: 14 Feb 2024 15:34

Instrument :

MSVOA_N

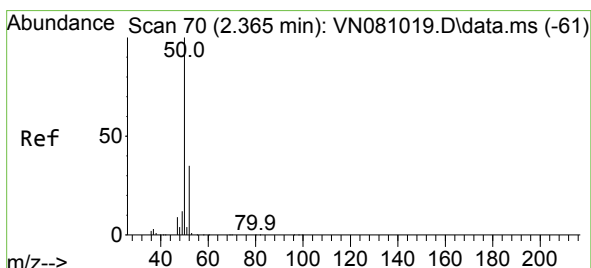
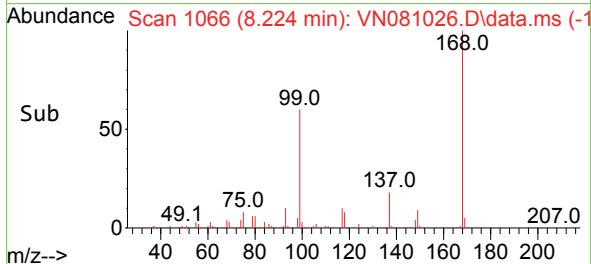
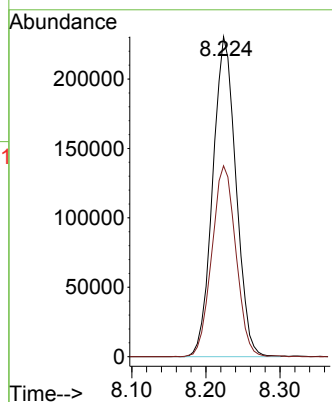
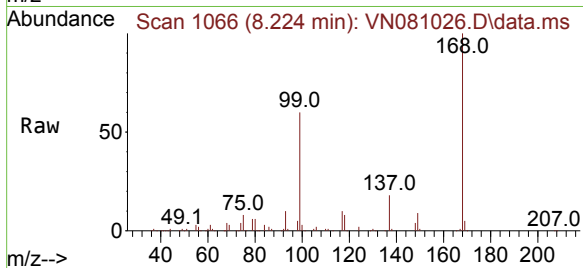
ClientSampleId :

Tgt Ion:168 Resp: 501545

Ion Ratio Lower Upper

168 100

99 59.7 59.9 89.9#



#3

Chloromethane

Concen: 0.713 ug/l

RT: 2.377 min Scan# 72

Delta R.T. 0.012 min

Lab File: VN081026.D

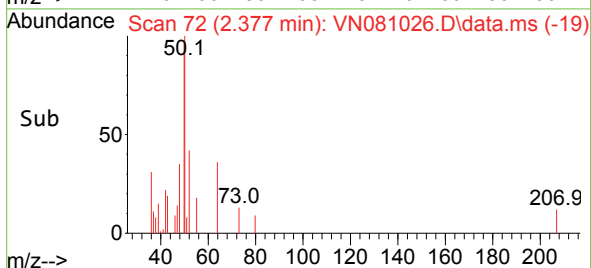
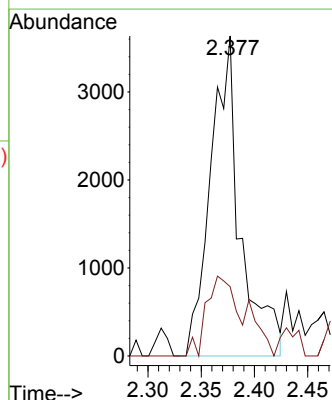
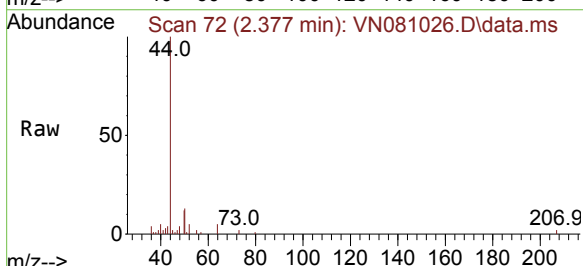
Acq: 14 Feb 2024 15:34

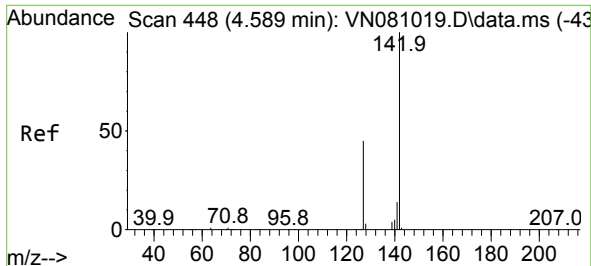
Tgt Ion: 50 Resp: 7052

Ion Ratio Lower Upper

50 100

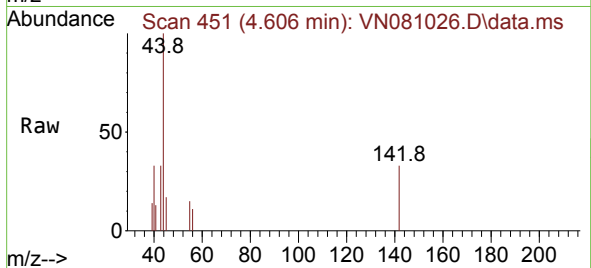
52 21.6 25.0 37.4#



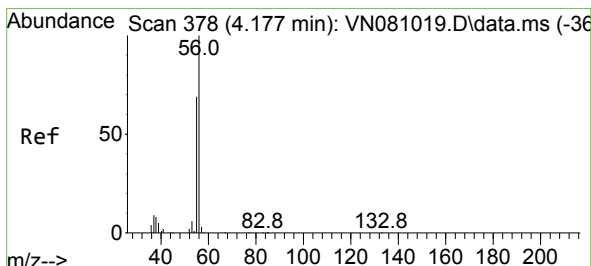
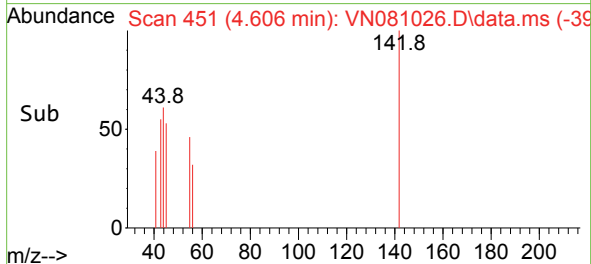
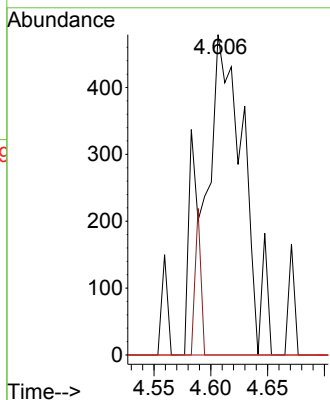


#10
Methyl Iodide
Concen: 0.208 ug/l
RT: 4.606 min Scan# 411
Delta R.T. 0.018 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34

Instrument :
MSVOA_N
ClientSampleId :

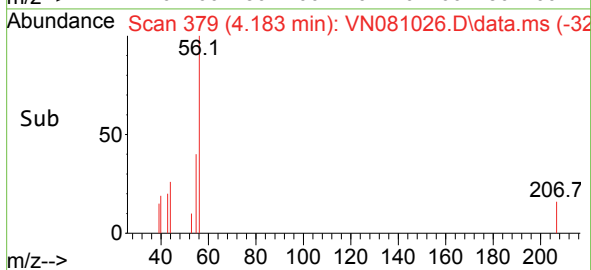
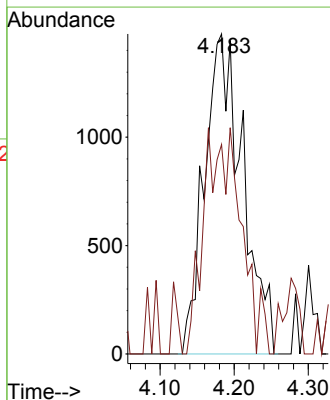
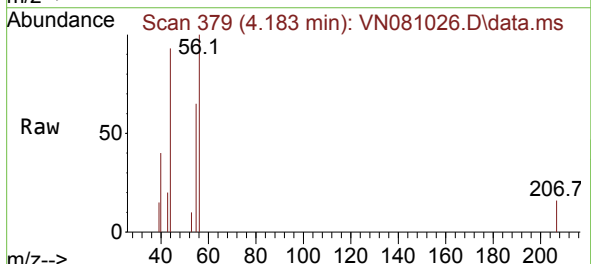


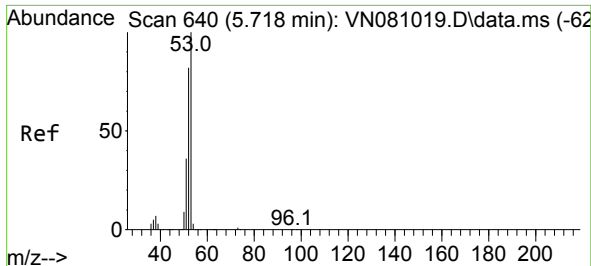
Tgt Ion:142 Resp: 1183
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.4#
141 0.0 12.5 18.7#



#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34

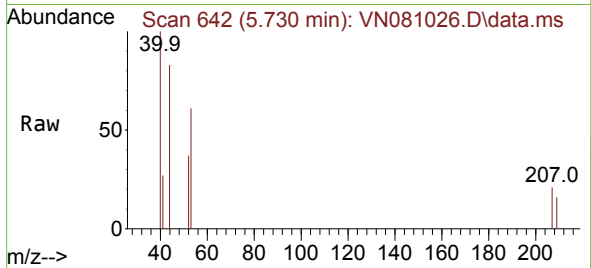
Tgt Ion: 56 Resp: 5287
Ion Ratio Lower Upper
56 100
55 22.6 55.3 82.9#



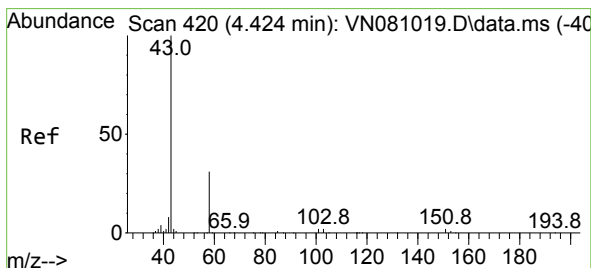
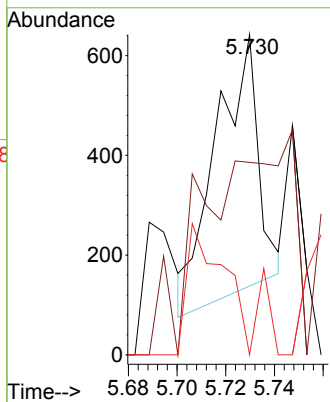
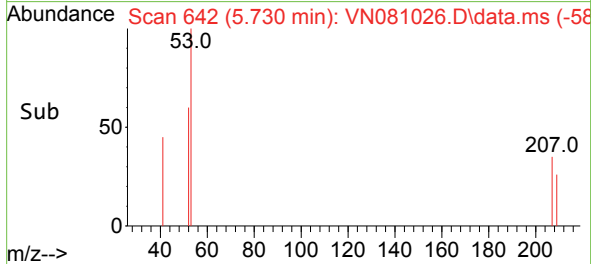


#15
Acrylonitrile
Concen: 0.220 ug/l
RT: 5.730 min Scan# 64
Delta R.T. 0.012 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34

Instrument :
MSVOA_N
ClientSampleId :

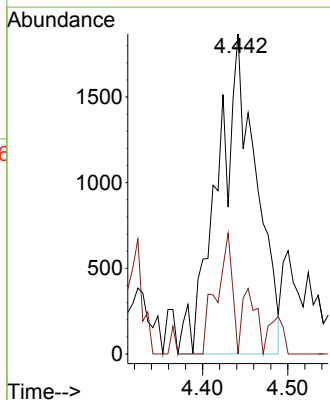
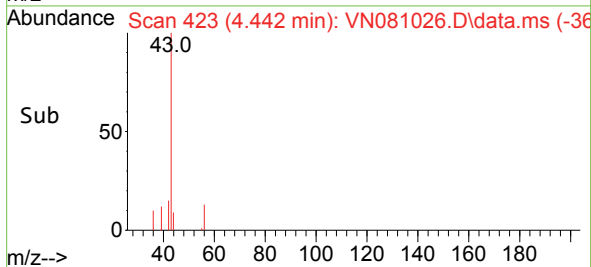
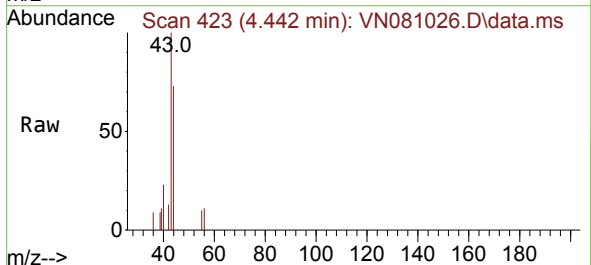


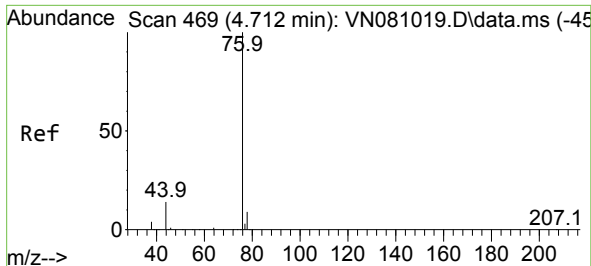
Tgt Ion: 53 Resp: 624
Ion Ratio Lower Upper
53 100
52 0.0 64.8 97.2#
51 0.0 26.9 40.3#



#16
Acetone
Concen: 2.430 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34

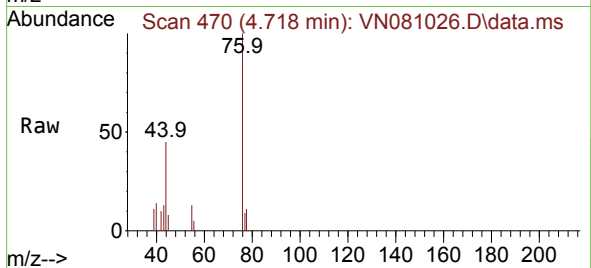
Tgt Ion: 43 Resp: 5869
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



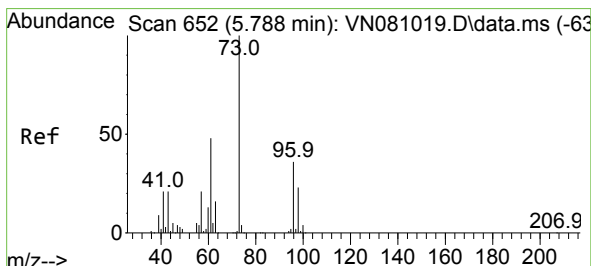
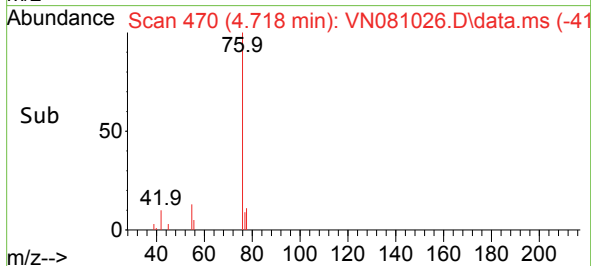
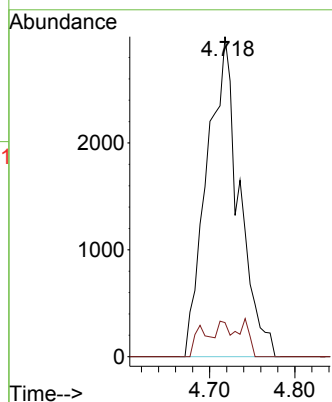


#17
Carbon Disulfide
Concen: 0.497 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34

Instrument :
MSVOA_N
ClientSampleId :

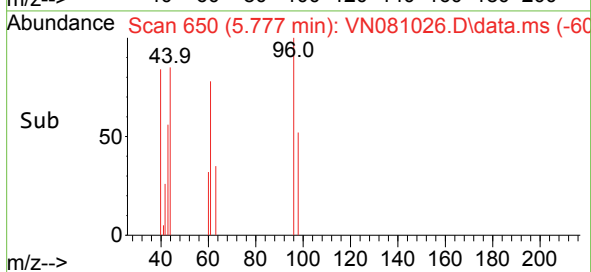
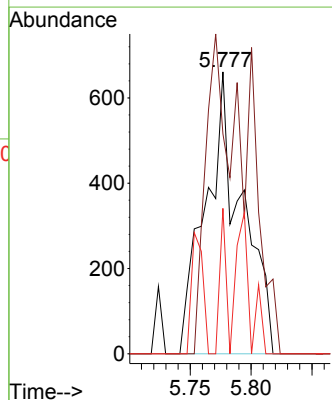
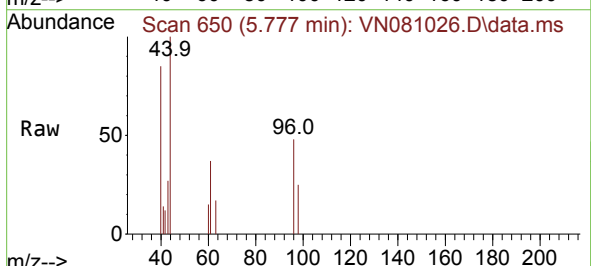


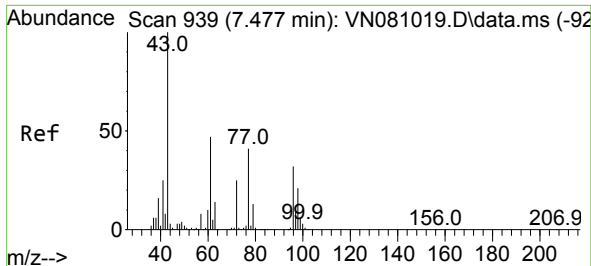
Tgt Ion: 76 Resp: 7871
Ion Ratio Lower Upper
76 100
78 10.7 6.3 9.5#



#21
trans-1,2-Dichloroethene
Concen: 0.228 ug/l
RT: 5.777 min Scan# 650
Delta R.T. -0.012 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34

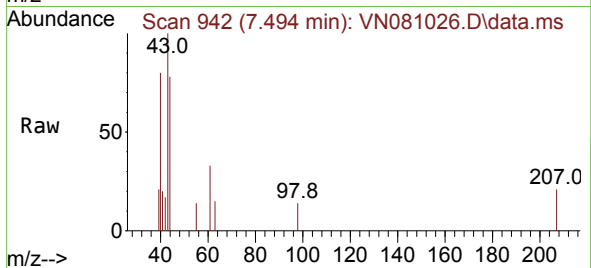
Tgt Ion: 96 Resp: 1372
Ion Ratio Lower Upper
96 100
61 78.1 112.8 169.2#
98 51.6 51.0 76.4



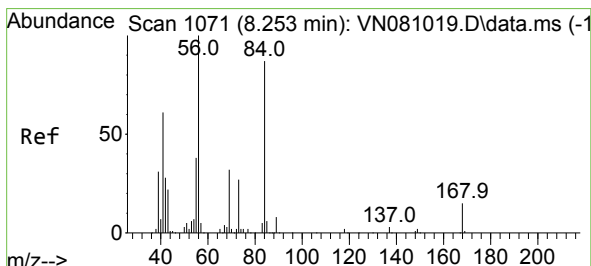
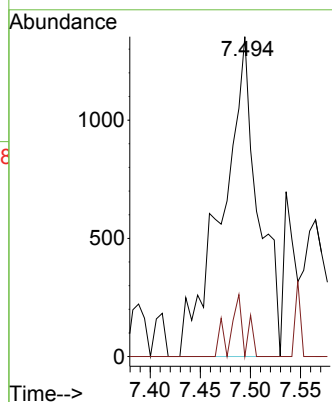
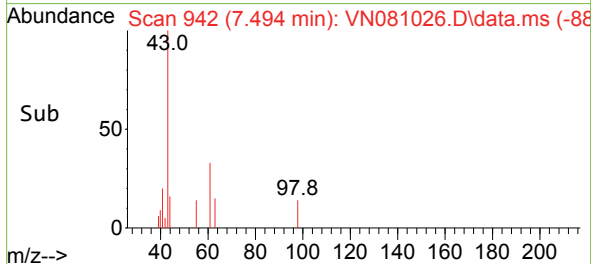


#25
2-Butanone
Concen: 0.862 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34

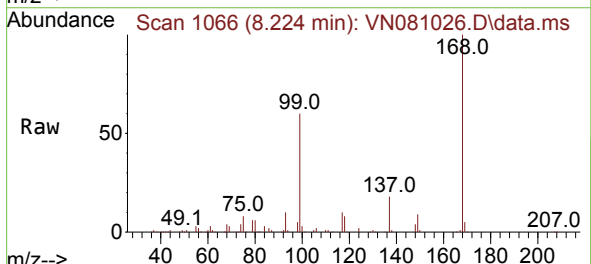
Instrument :
MSVOA_N
ClientSampleId :



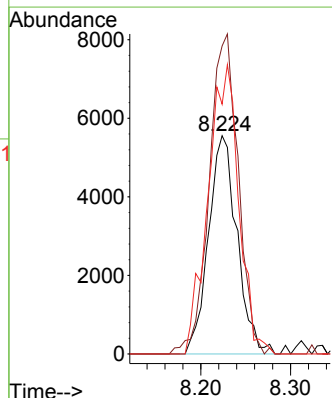
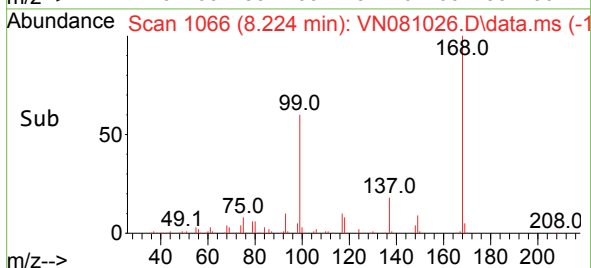
Tgt Ion: 43 Resp: 3378
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#

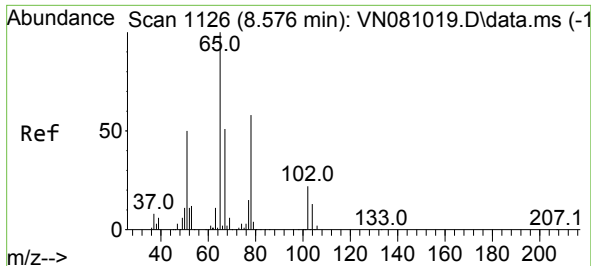


#31
Cyclohexane
Concen: 1.144 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34



Tgt Ion: 56 Resp: 12257
Ion Ratio Lower Upper
56 100
69 141.2 20.1 30.1#
84 114.5 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 43.053 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081026.D

Acq: 14 Feb 2024 15:34

Instrument :

MSVOA_N

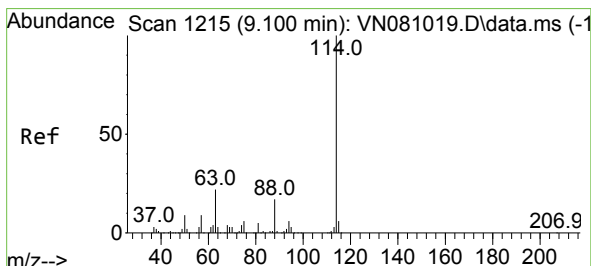
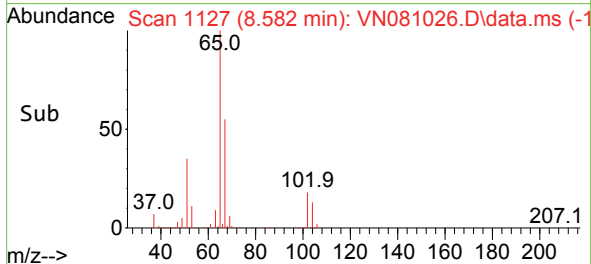
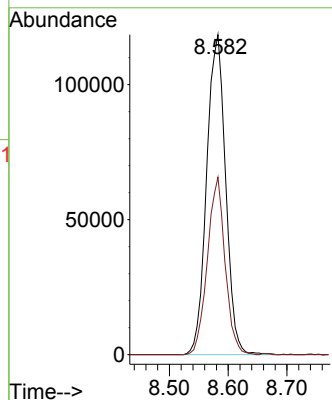
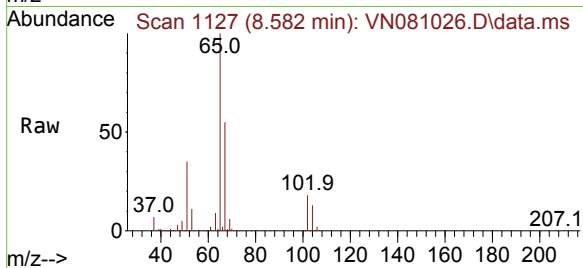
ClientSampleId :

Tgt Ion: 65 Resp: 265598

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN081026.D

Acq: 14 Feb 2024 15:34

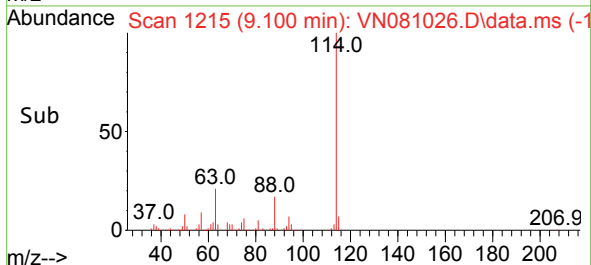
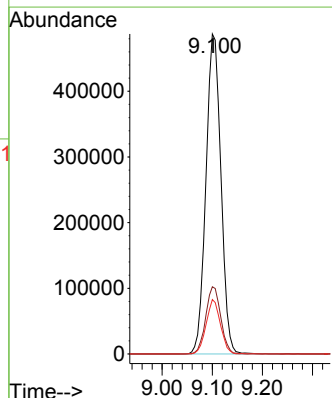
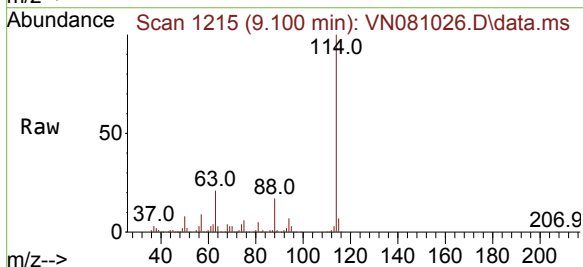
Tgt Ion: 114 Resp: 1011606

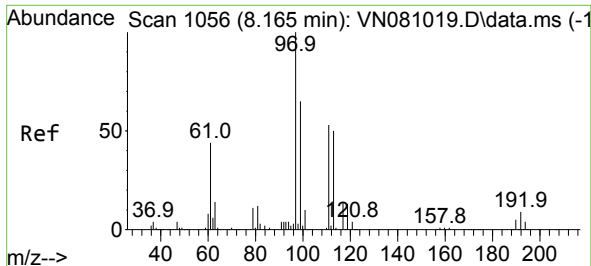
Ion Ratio Lower Upper

114 100

63 21.0 0.0 48.0

88 17.0 0.0 34.8

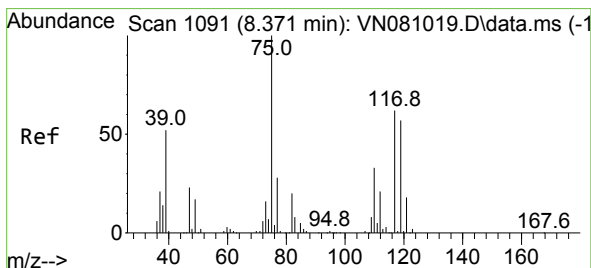
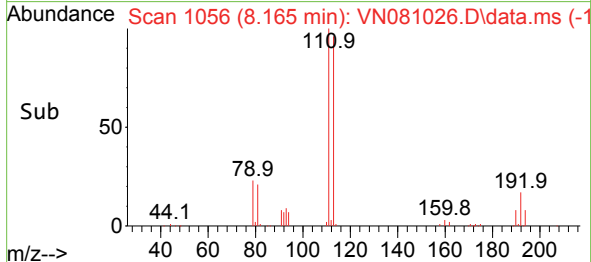
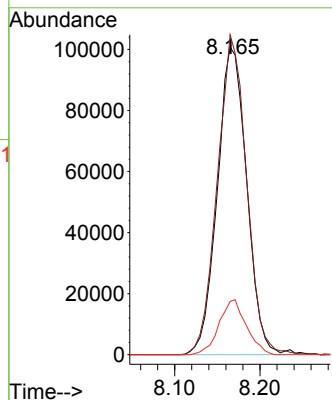
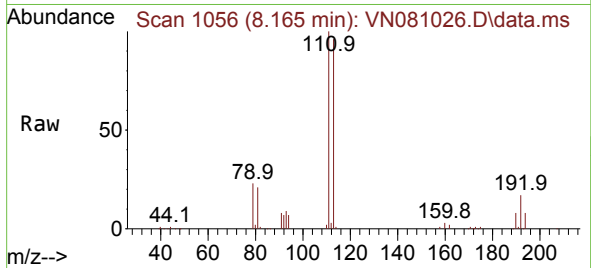




#35
Dibromofluoromethane
Concen: 41.519 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34

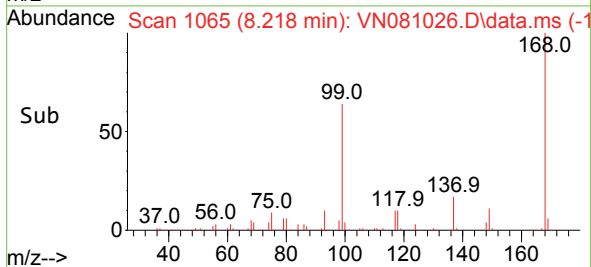
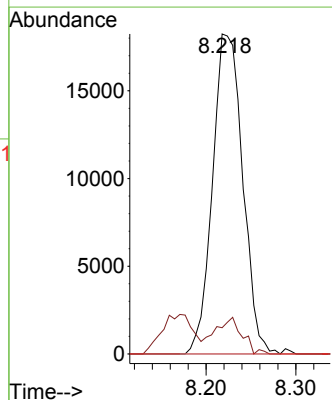
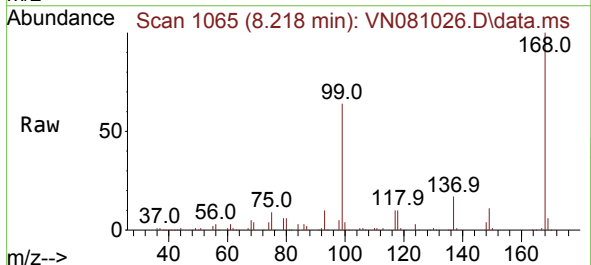
Instrument :
MSVOA_N
ClientSampleId :

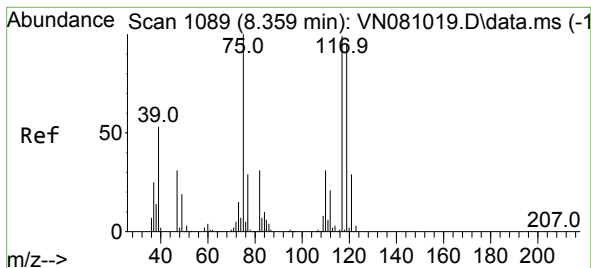
Tgt Ion:113 Resp: 240811
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.4
192 16.7 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.400 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34

Tgt Ion: 75 Resp: 42582
Ion Ratio Lower Upper
75 100
110 10.5 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 7.372 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

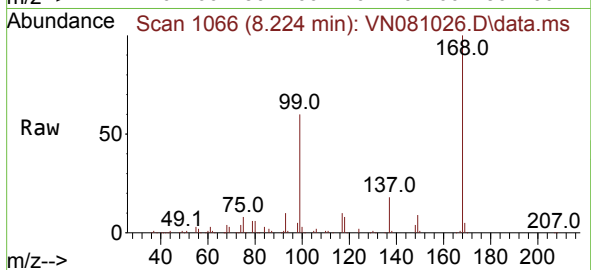
Lab File: VN081026.D

Acq: 14 Feb 2024 15:34

Instrument :

MSVOA_N

ClientSampleId :



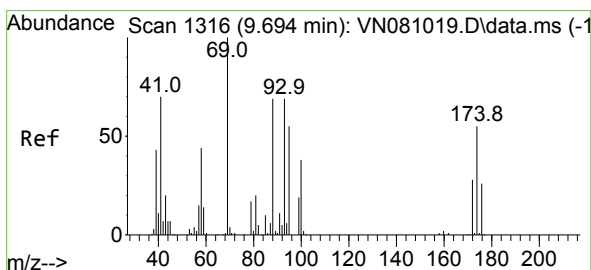
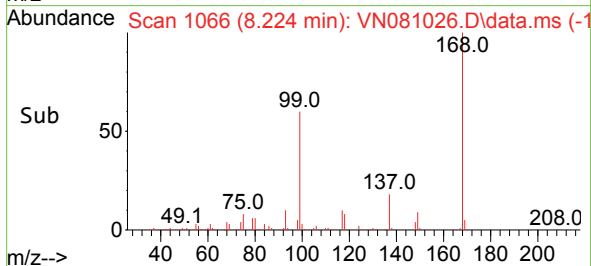
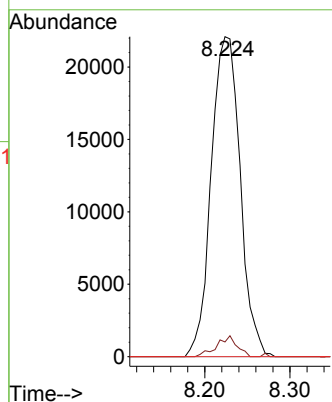
Tgt Ion:117 Resp: 52218

Ion Ratio Lower Upper

117 100

119 4.6 73.4 110.2#

121 0.0 24.4 36.6#



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN081026.D

Acq: 14 Feb 2024 15:34

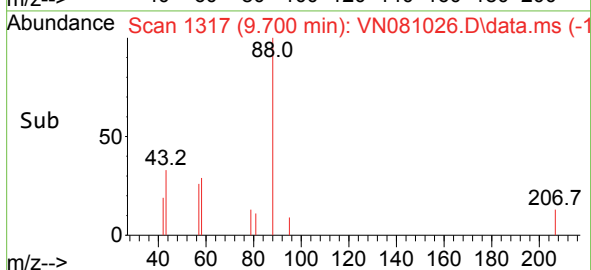
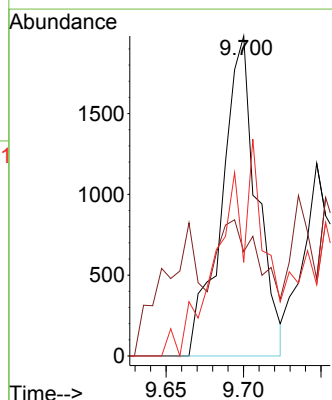
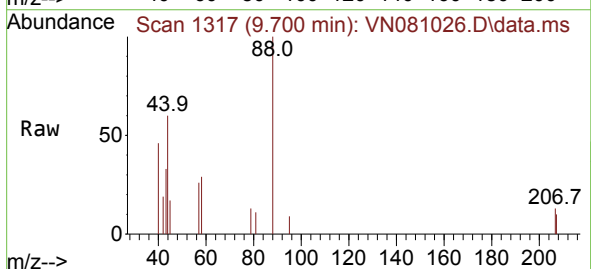
Tgt Ion: 88 Resp: 3110

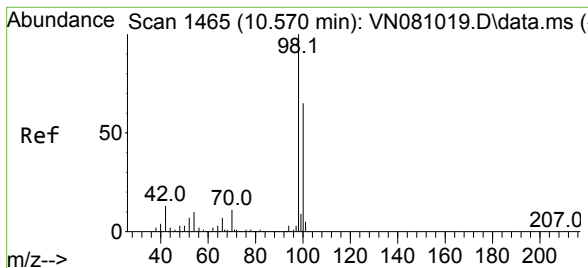
Ion Ratio Lower Upper

88 100

43 48.8 30.1 45.1#

58 48.6 63.9 95.9#

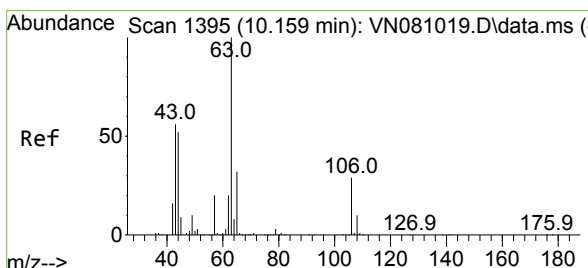
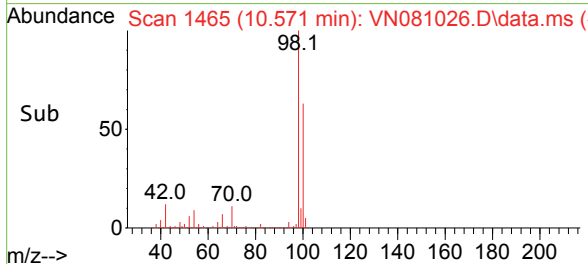
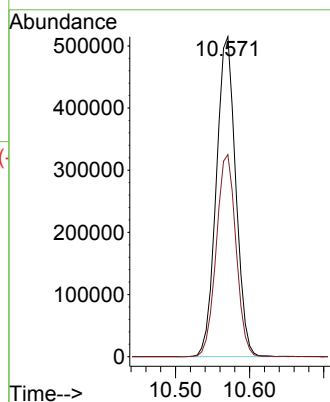
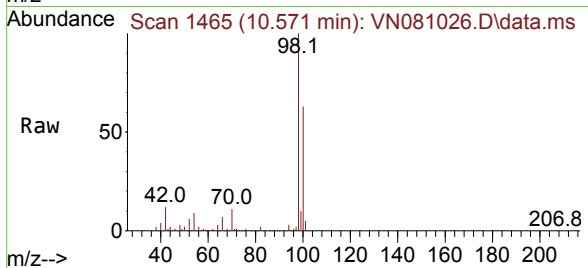




#50
Toluene-d8
Concen: 45.848 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34

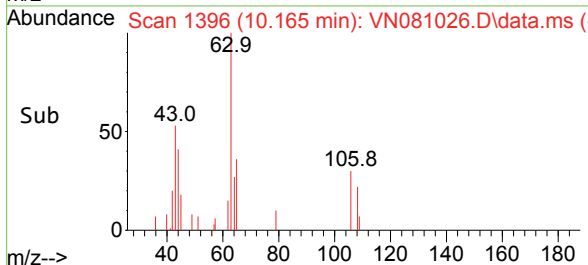
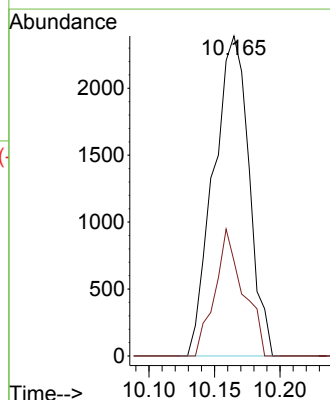
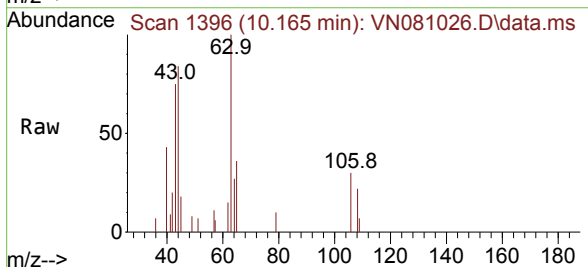
Instrument :
MSVOA_N
ClientSampleId :

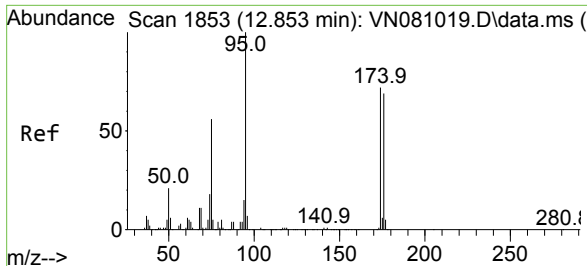
Tgt Ion: 98 Resp: 937833
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 0.823 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.006 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34

Tgt Ion: 63 Resp: 4493
Ion Ratio Lower Upper
63 100
106 31.8 18.6 28.0#

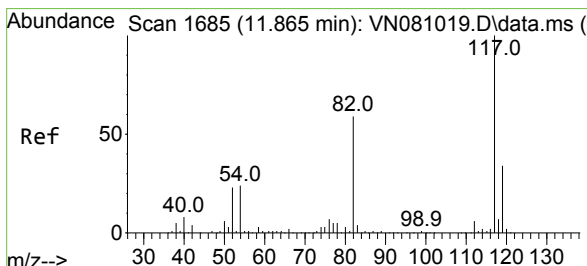
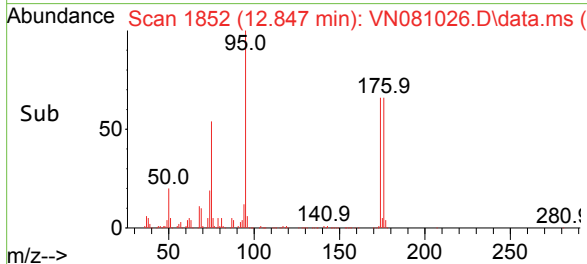
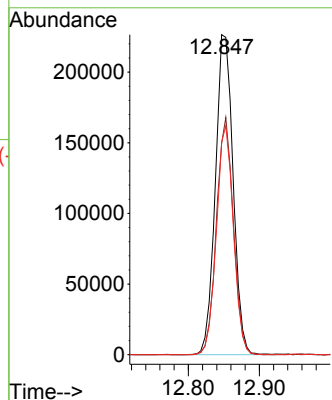
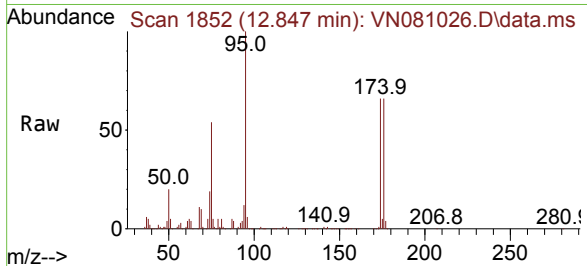




#62
4-Bromofluorobenzene
Concen: 56.292 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34

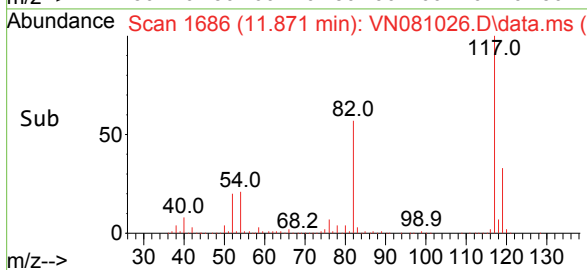
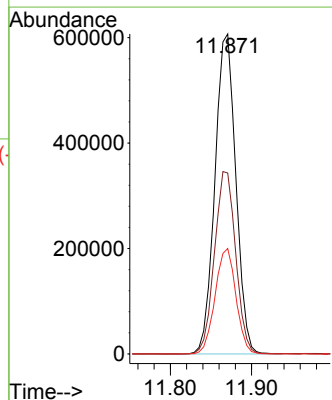
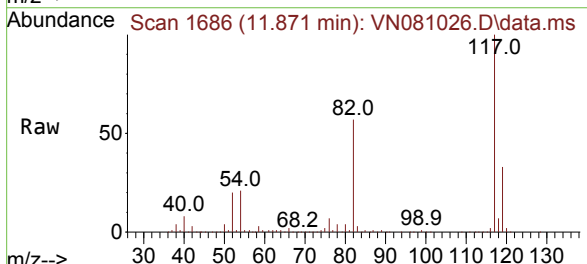
Instrument :
MSVOA_N
ClientSampleId :

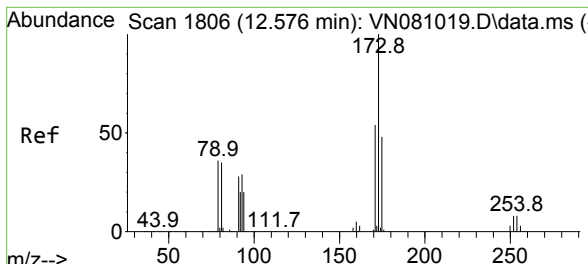
Tgt Ion: 95 Resp: 391620
Ion Ratio Lower Upper
95 100
174 70.8 0.0 120.4
176 68.3 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34

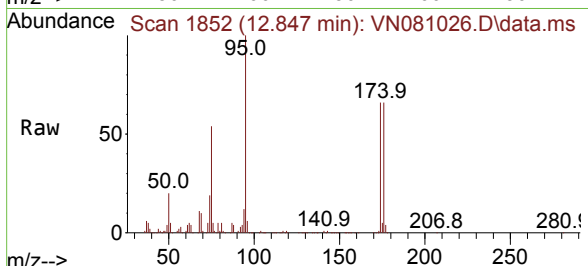
Tgt Ion: 117 Resp: 1087256
Ion Ratio Lower Upper
117 100
82 56.6 52.7 79.1
119 33.0 25.3 37.9





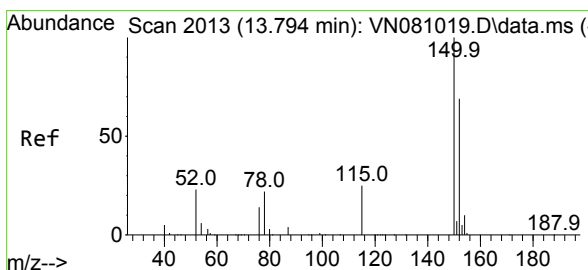
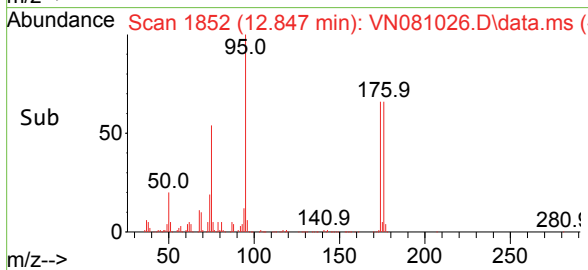
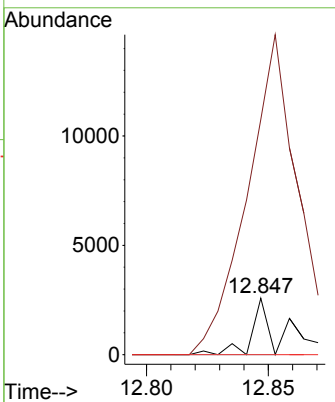
#71
 Bromoform
 Concen: 0.288 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.271 min
 Lab File: VN081026.D
 Acq: 14 Feb 2024 15:34

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:173 Resp: 1150

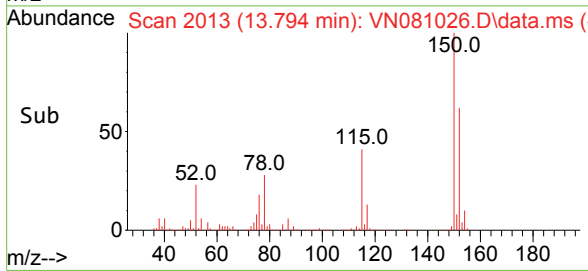
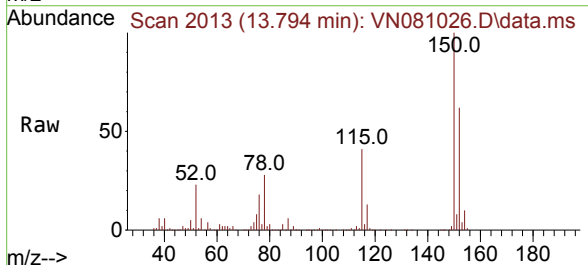
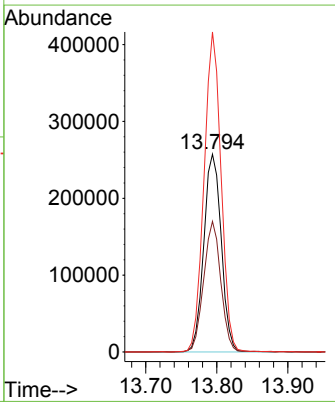
Ion	Ratio	Lower	Upper
173	100		
175	0.0	23.1	69.2#
254	0.0	0.0	0.0

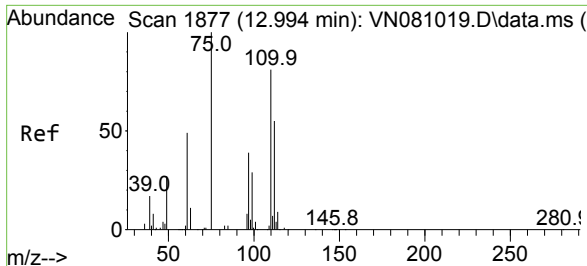


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN081026.D
 Acq: 14 Feb 2024 15:34

Tgt Ion:152 Resp: 439549

Ion	Ratio	Lower	Upper
152	100		
115	65.0	32.3	96.8
150	157.8	0.0	339.8

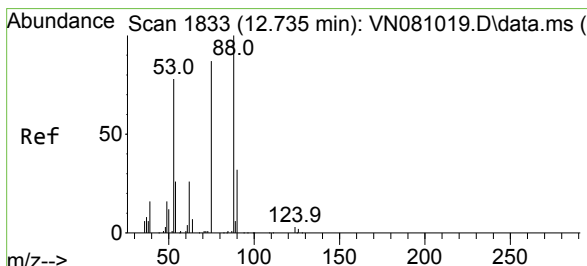
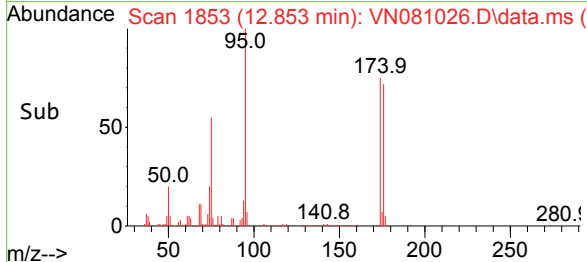
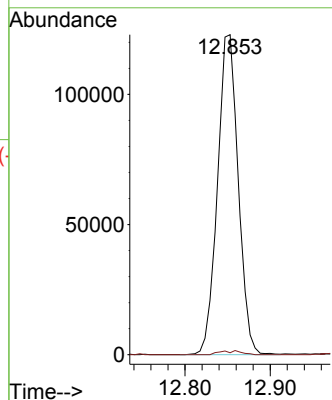
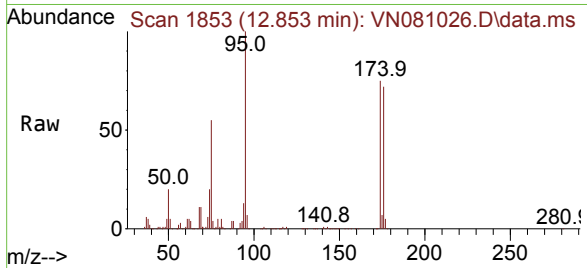




#76
1,2,3-Trichloropropane
Concen: 21.401 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34

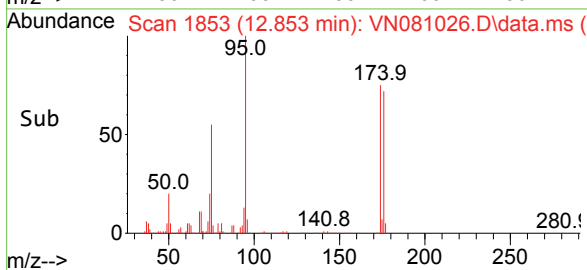
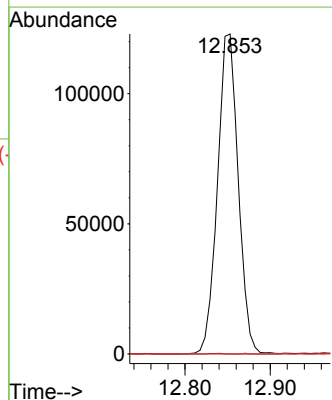
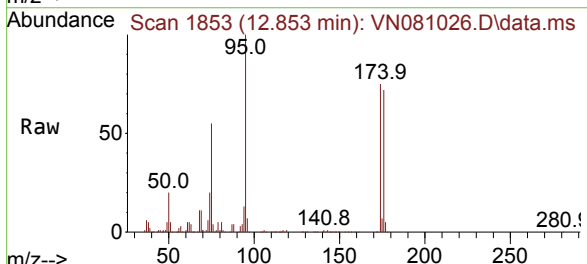
Instrument :
MSVOA_N
ClientSampleId :

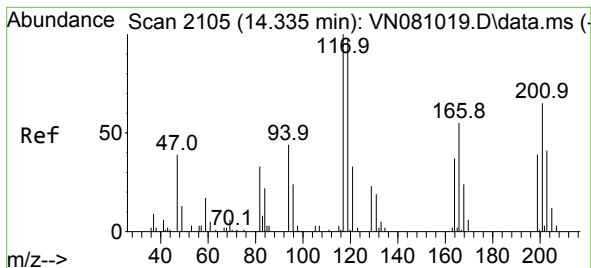
Tgt Ion: 75 Resp: 207849
Ion Ratio Lower Upper
75 100
77 0.7 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 49.818 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34

Tgt Ion: 75 Resp: 207849
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.0 33.4 50.0#





#90

Hexachloroethane

Concen: Below Cal

RT: 14.323 min Scan# 2105

Delta R.T. -0.012 min

Lab File: VN081026.D

Acq: 14 Feb 2024 15:34

Instrument :

MSVOA_N

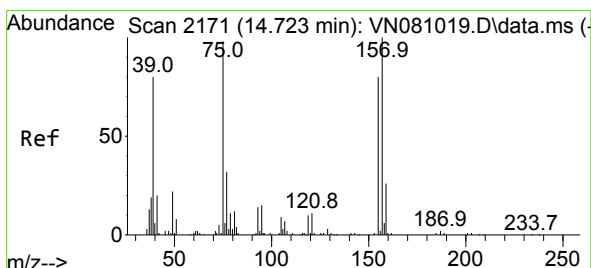
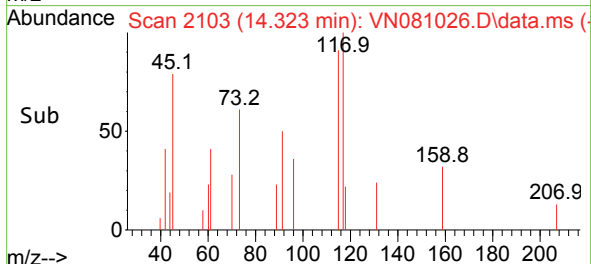
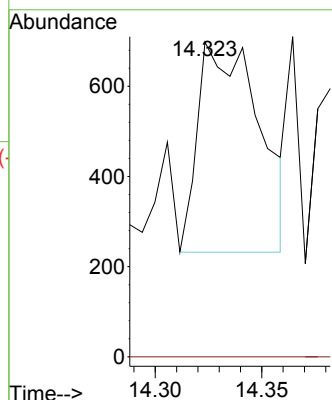
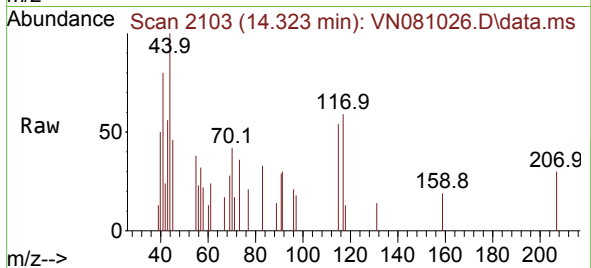
ClientSampleId :

Tgt Ion:117 Resp: 926

Ion Ratio Lower Upper

117 100

201 0.0 30.0 90.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.712 min Scan# 2169

Delta R.T. -0.011 min

Lab File: VN081026.D

Acq: 14 Feb 2024 15:34

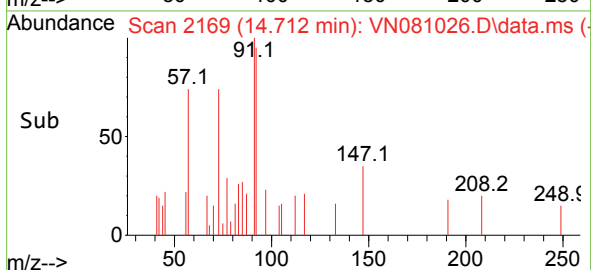
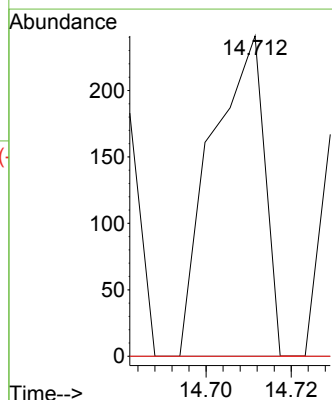
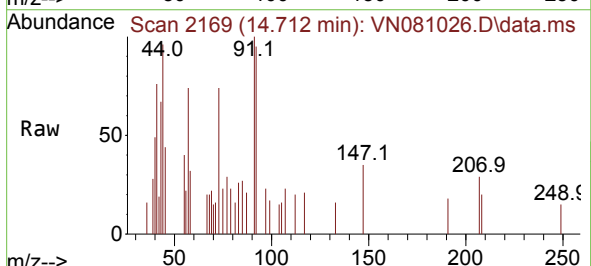
Tgt Ion: 75 Resp: 208

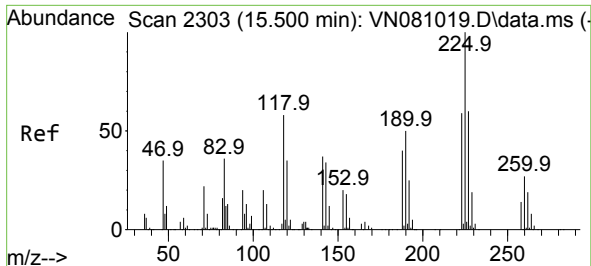
Ion Ratio Lower Upper

75 100

155 0.0 31.8 95.4#

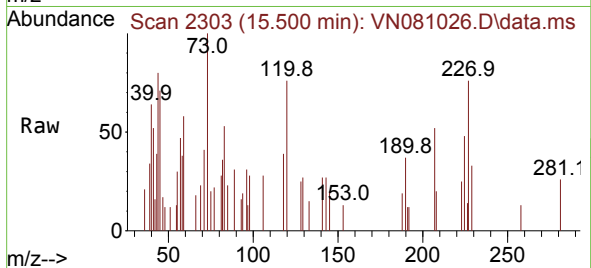
157 0.0 41.1 123.4#



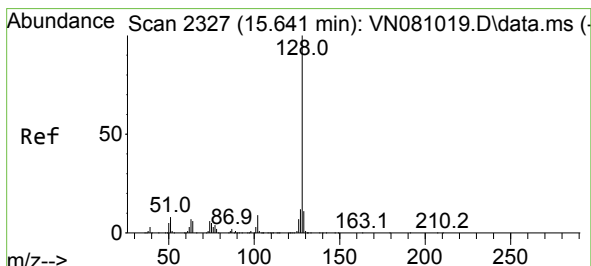
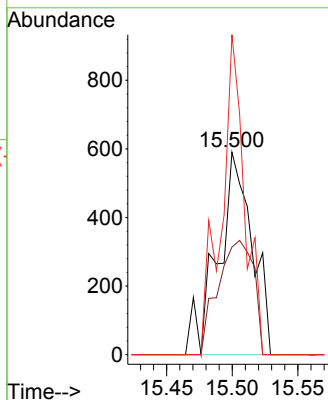
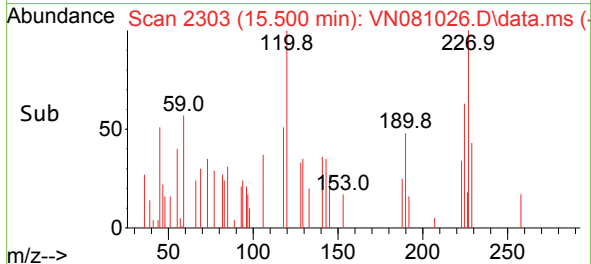


#94
Hexachlorobutadiene
Concen: 0.292 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34

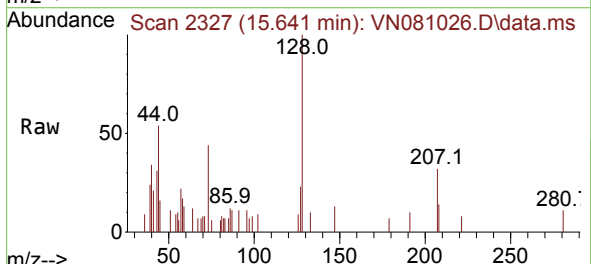
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:225 Resp: 1073
Ion Ratio Lower Upper
225 100
223 58.8 33.3 99.8
227 107.5 33.1 99.2#



#95
Naphthalene
Concen: 0.205 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN081026.D
Acq: 14 Feb 2024 15:34



Tgt Ion:128 Resp: 6488
Ion Ratio Lower Upper
128 100
127 19.2 10.0 15.0#
129 3.8 8.7 13.1#

