

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022724\
 Data File : VN081209.D
 Acq On : 27 Feb 2024 10:53
 Operator : JC\MD
 Sample : VN0227MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0227MBL01

Quant Time: Feb 28 04:13:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

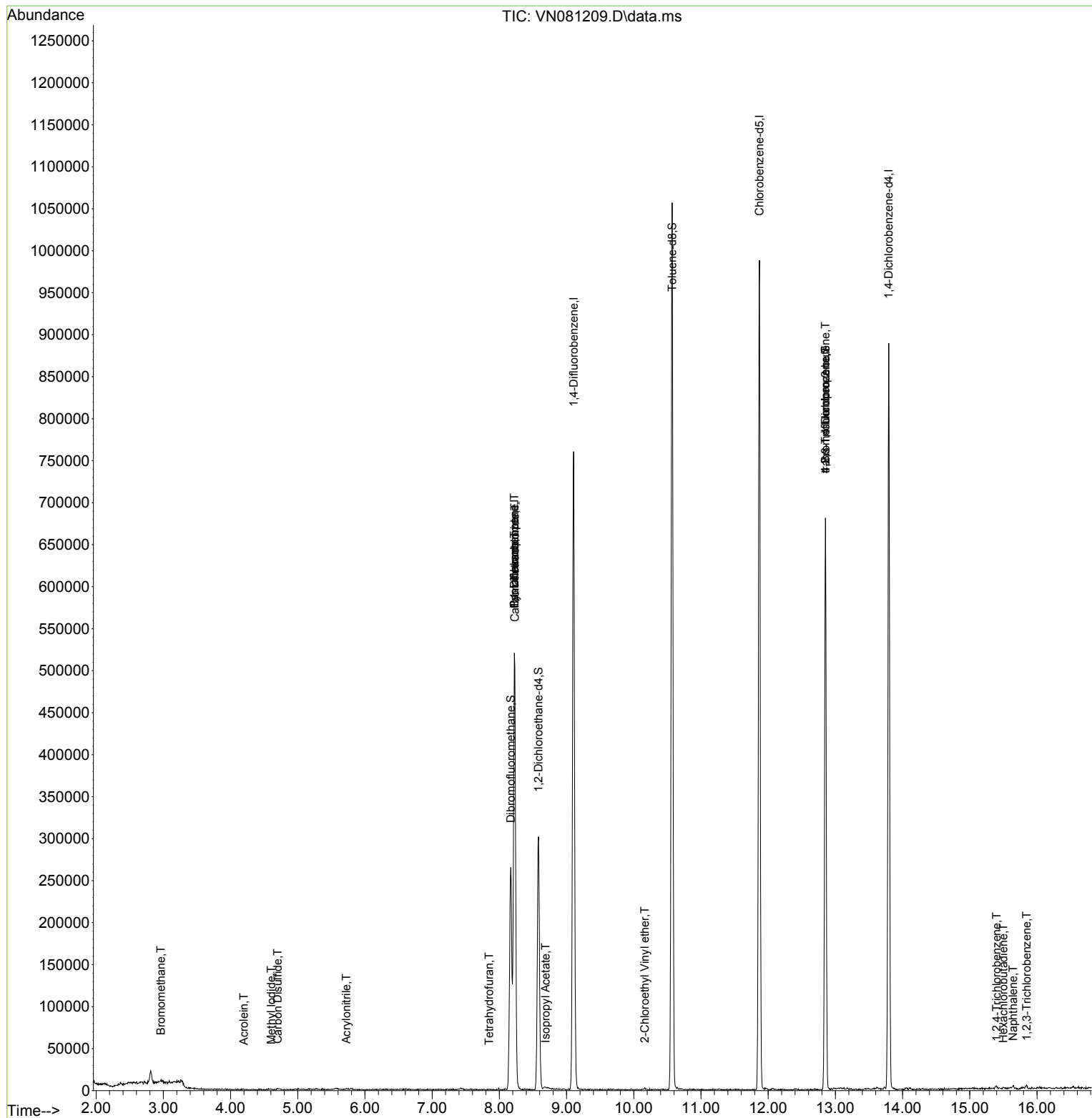
Internal Standards						
1) Pentafluorobenzene	8.224	168	355778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	651894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	558392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	223485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	238442	54.678	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.360%	
35) Dibromofluoromethane	8.171	113	187057	50.744	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.480%	
50) Toluene-d8	10.570	98	719862	54.982	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.960%	
62) 4-Bromofluorobenzene	12.853	95	237721	48.321	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.640%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1000	Below Cal	#	49
5) Bromomethane	2.965	94	762	0.210	ug/l #	71
6) Chloroethane	3.118	64	76	Below Cal	#	8
10) Methyl Iodide	4.606	142	991	0.213	ug/l #	91
13) Acrolein	4.200	56	800	1.861	ug/l #	41
15) Acrylonitrile	5.724	53	766	0.366	ug/l #	52
17) Carbon Disulfide	4.700	76	3246	0.289	ug/l #	78
20) Methylene Chloride	5.283	84	663	Below Cal	#	40
29) Tetrahydrofuran	7.847	42	407	0.220	ug/l #	38
31) Cyclohexane	8.224	56	9527	1.265	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	33470	5.300	ug/l #	51
38) Carbon Tetrachloride	8.229	117	41997	6.573	ug/l #	18
43) Isopropyl Acetate	8.688	43	2016	0.202	ug/l #	57
58) 2-Chloroethyl Vinyl ether	10.165	63	921	0.270	ug/l	93
76) 1,2,3-Trichloropropane	12.853	75	126655	24.943	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	126655	64.202	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.400	180	1436	0.324	ug/l	86
94) Hexachlorobutadiene	15.500	225	477	0.289	ug/l #	34
95) Naphthalene	15.647	128	3815	0.235	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.847	180	1414	0.322	ug/l	84

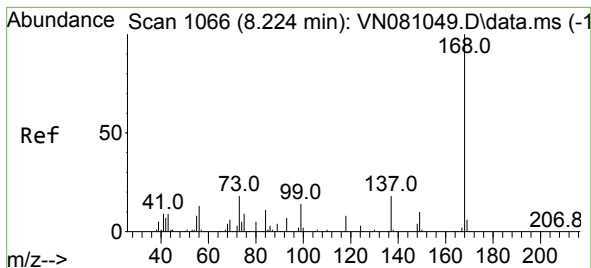
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081209.D

Acq: 27 Feb 2024 10:53

Instrument :

MSVOA_N

ClientSampleId :

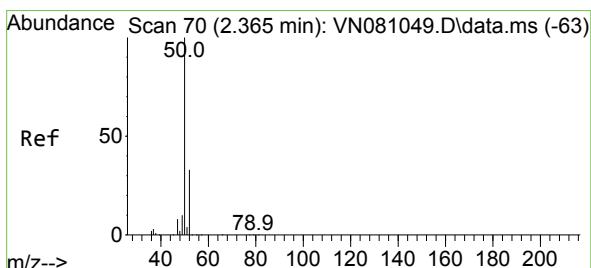
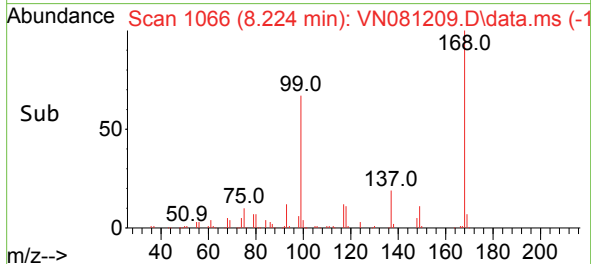
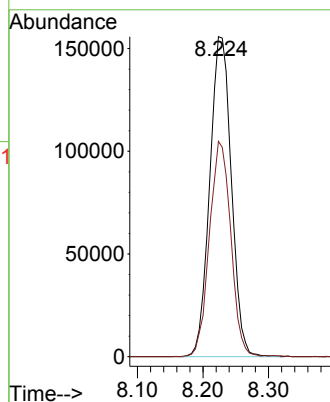
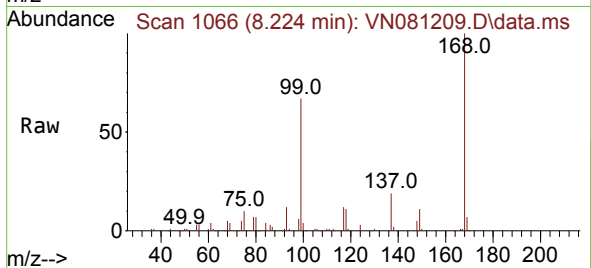
VN0227MBL01

Tgt Ion:168 Resp: 355778

Ion Ratio Lower Upper

168 100

99 67.3 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. -0.006 min

Lab File: VN081209.D

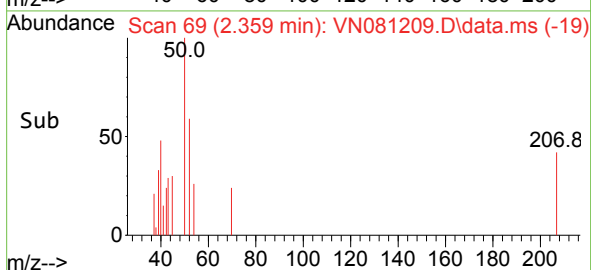
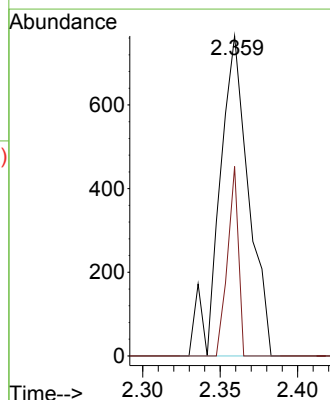
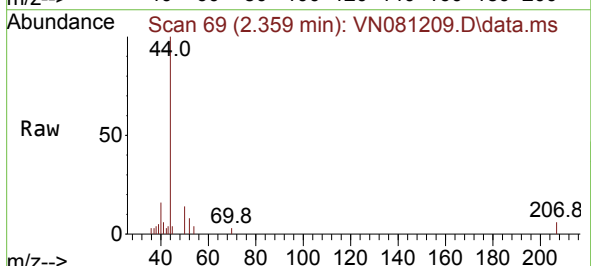
Acq: 27 Feb 2024 10:53

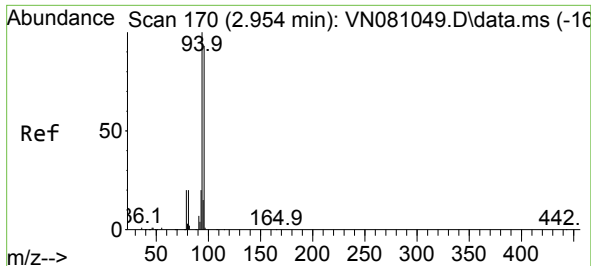
Tgt Ion: 50 Resp: 1000

Ion Ratio Lower Upper

50 100

52 59.2 25.0 37.4#

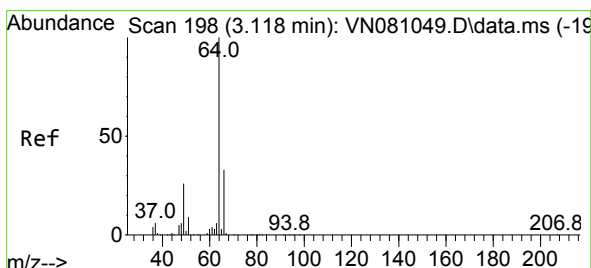
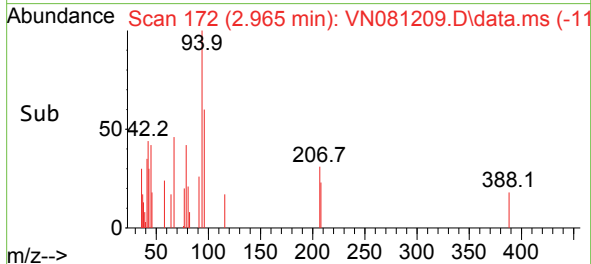
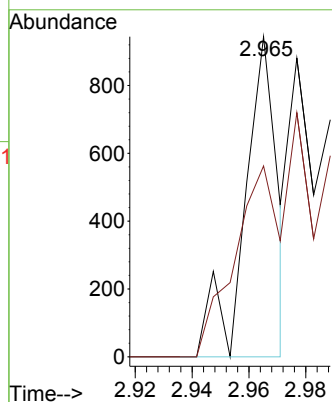
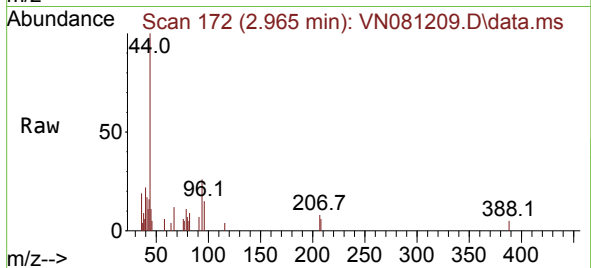




#5
Bromomethane
Concen: 0.210 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

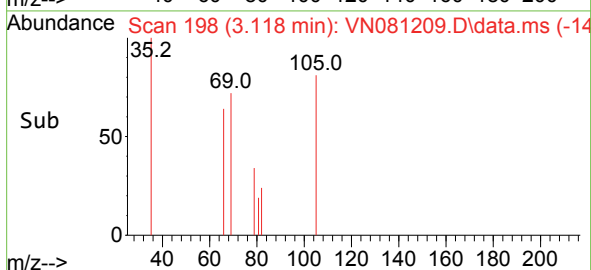
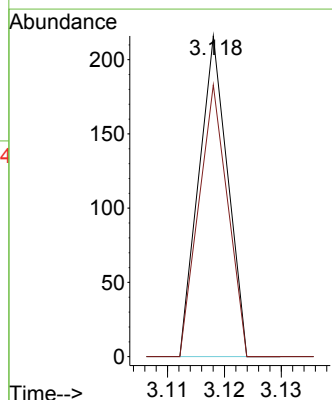
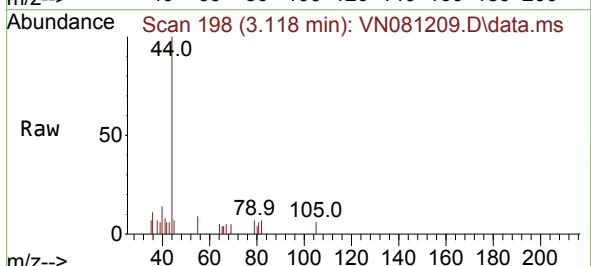
Instrument :
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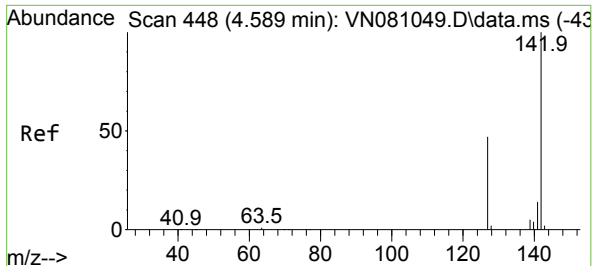
Tgt Ion: 94 Resp: 762
Ion Ratio Lower Upper
94 100
96 59.6 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

Tgt Ion: 64 Resp: 76
Ion Ratio Lower Upper
64 100
66 84.7 26.4 39.6#

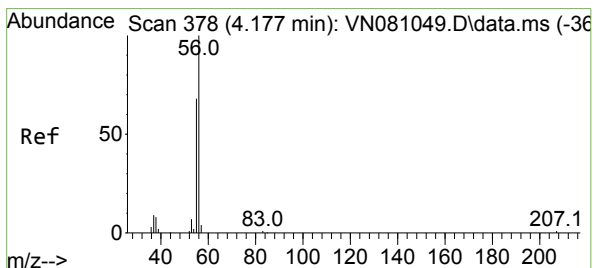
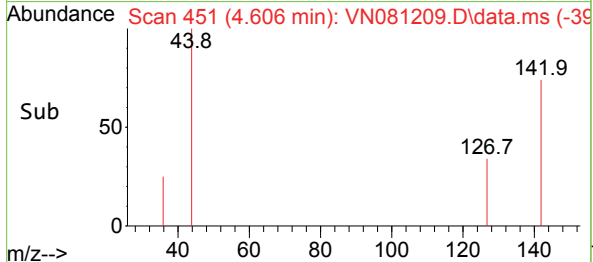
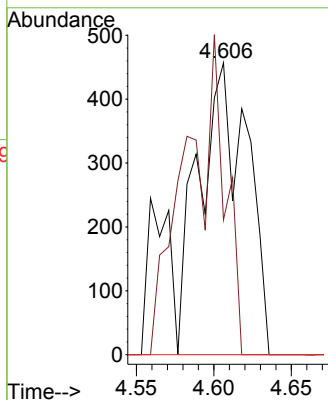
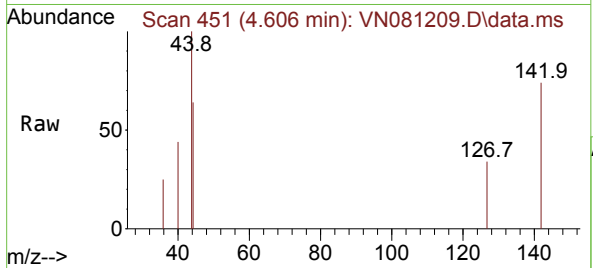




#10
Methyl Iodide
Concen: 0.213 ug/l
RT: 4.606 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

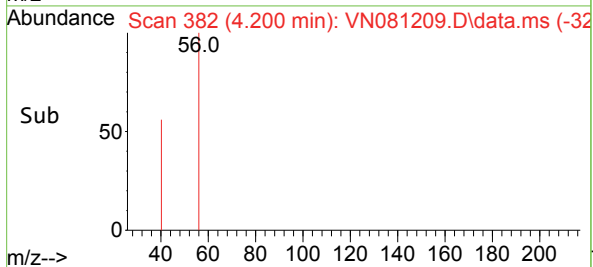
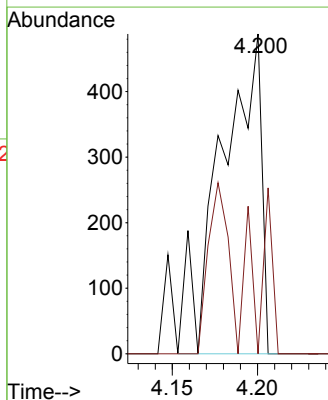
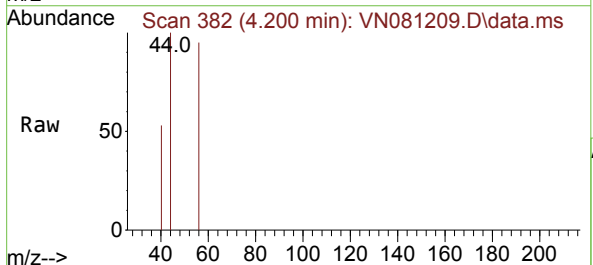
Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01

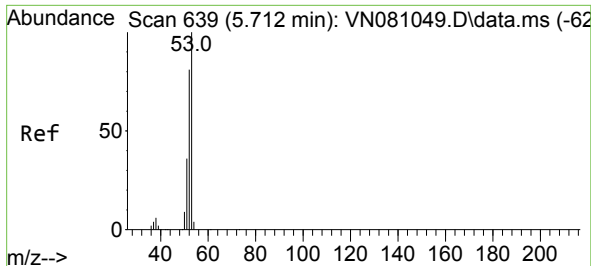
Tgt Ion:142 Resp: 991
Ion Ratio Lower Upper
142 100
127 46.2 37.0 55.4
141 0.0 12.5 18.7#



#13
Acrolein
Concen: 1.861 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.023 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

Tgt Ion: 56 Resp: 800
Ion Ratio Lower Upper
56 100
55 21.1 55.3 82.9#





#15

Acrylonitrile

Concen: 0.366 ug/l

RT: 5.724 min Scan# 641

Delta R.T. 0.012 min

Lab File: VN081209.D

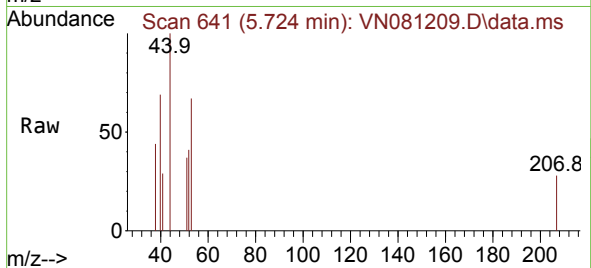
Acq: 27 Feb 2024 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN0227MBL01



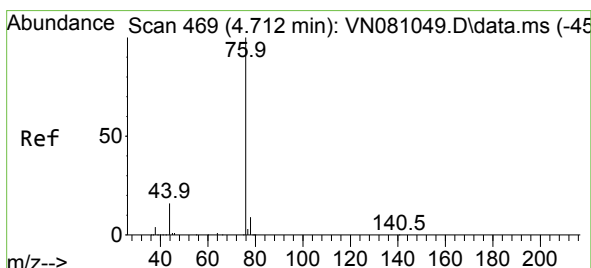
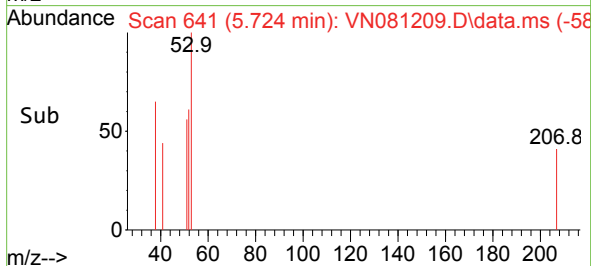
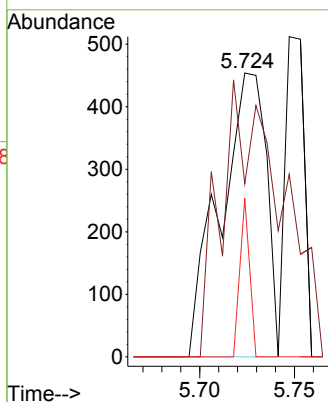
Tgt Ion: 53 Resp: 766

Ion Ratio Lower Upper

53 100

52 126.9 64.8 97.2#

51 11.7 26.9 40.3#



#17

Carbon Disulfide

Concen: 0.289 ug/l

RT: 4.700 min Scan# 467

Delta R.T. -0.012 min

Lab File: VN081209.D

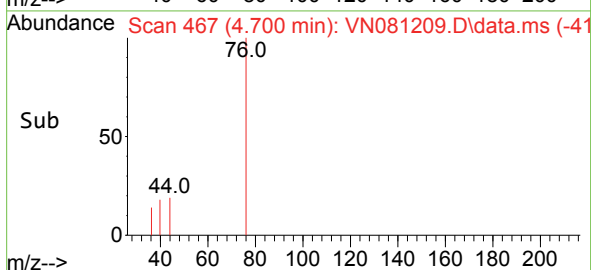
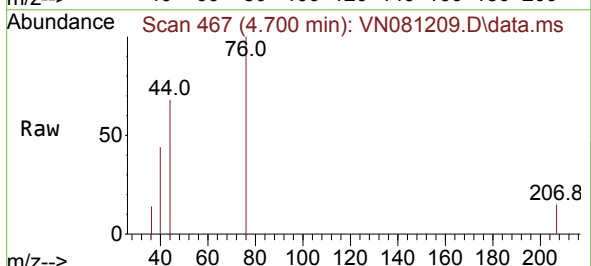
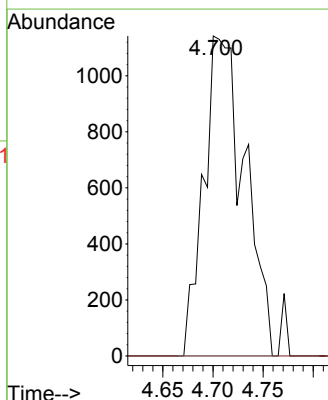
Acq: 27 Feb 2024 10:53

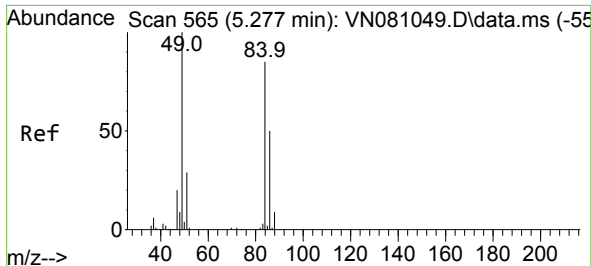
Tgt Ion: 76 Resp: 3246

Ion Ratio Lower Upper

76 100

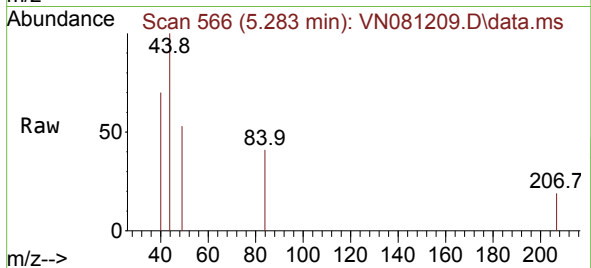
78 0.0 6.3 9.5#



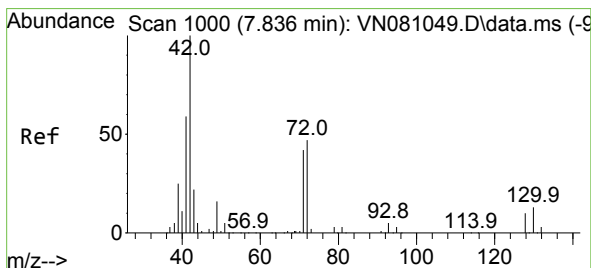
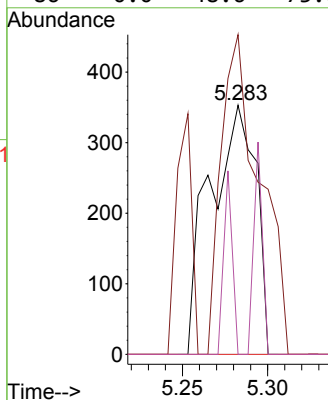
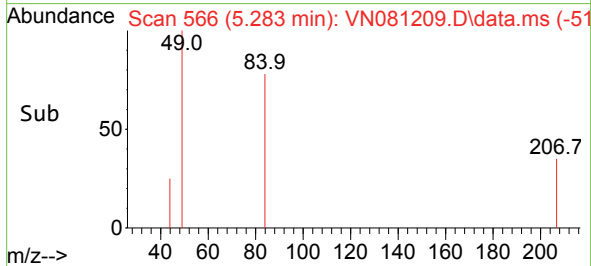


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

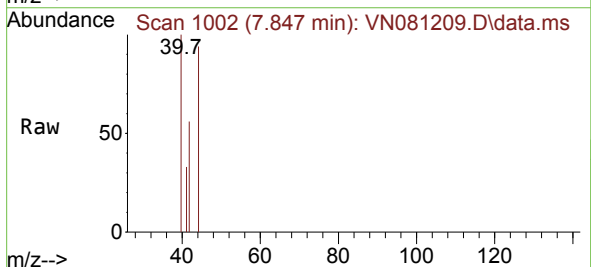
Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01



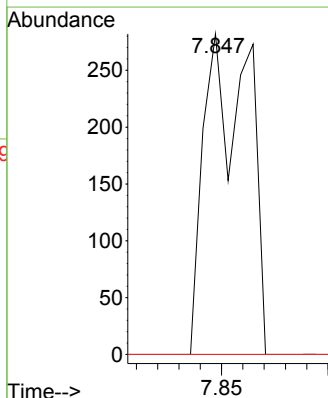
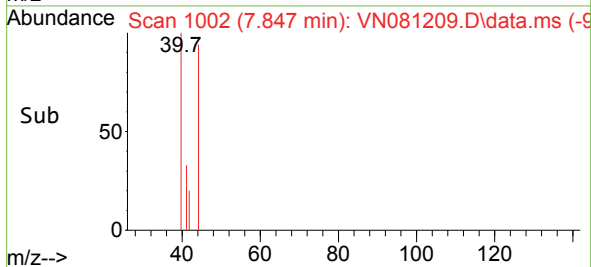
Tgt Ion: 84 Resp: 663
Ion Ratio Lower Upper
84 100
49 77.1 108.1 162.1#
51 0.0 32.9 49.3#
86 0.0 48.6 73.0#

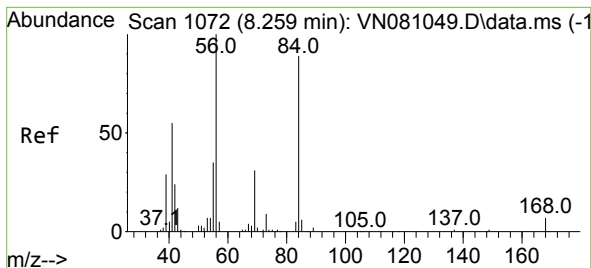


#29
Tetrahydrofuran
Concen: 0.220 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53



Tgt Ion: 42 Resp: 407
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7#
71 0.0 28.3 42.5#





#31

Cyclohexane

Concen: 1.265 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN081209.D

Acq: 27 Feb 2024 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN0227MBL01

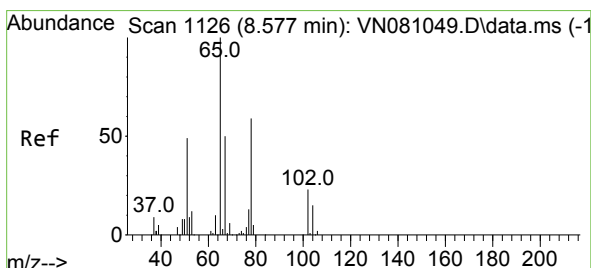
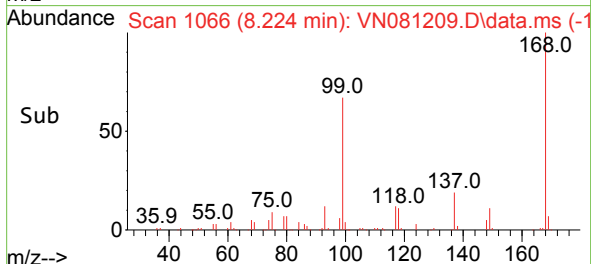
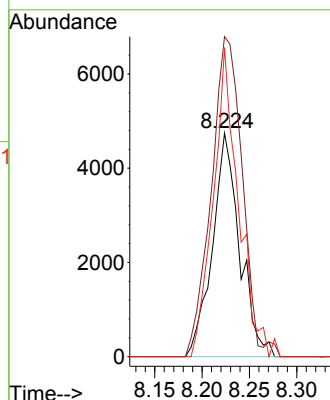
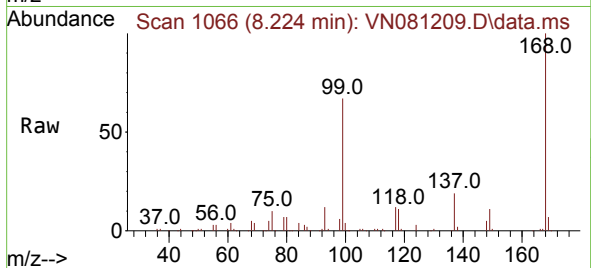
Tgt Ion: 56 Resp: 9527

Ion Ratio Lower Upper

56 100

69 143.2 20.1 30.1#

84 138.2 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 54.678 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081209.D

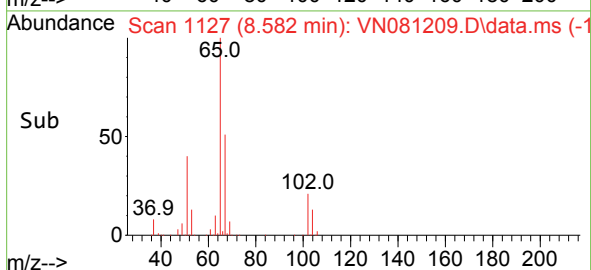
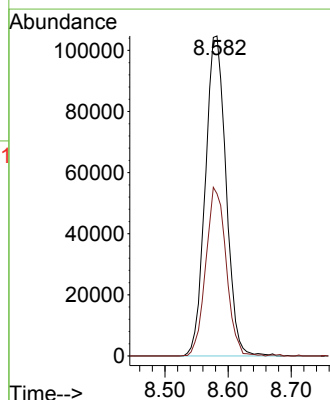
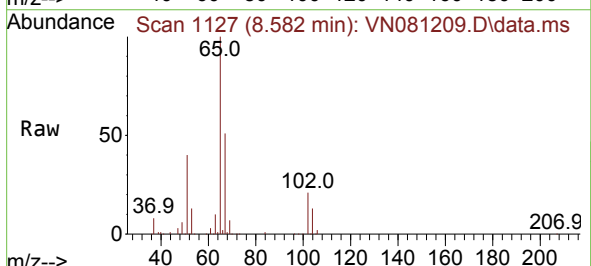
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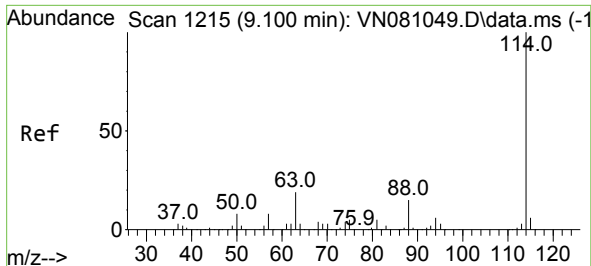
Tgt Ion: 65 Resp: 238442

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.4

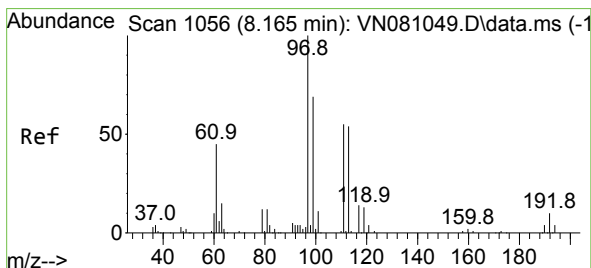
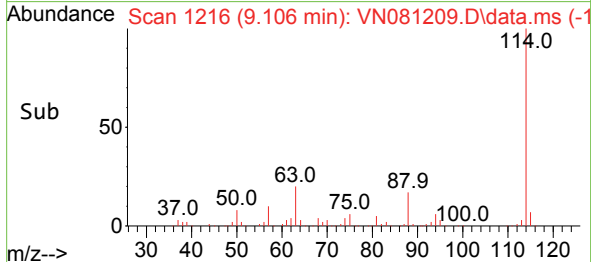
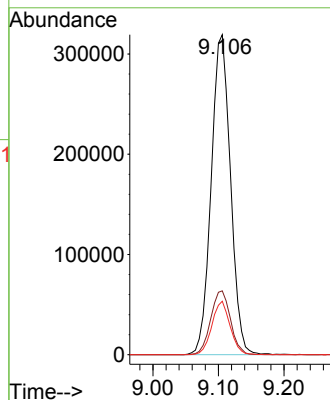
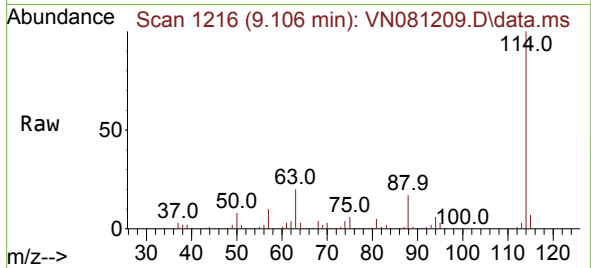




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

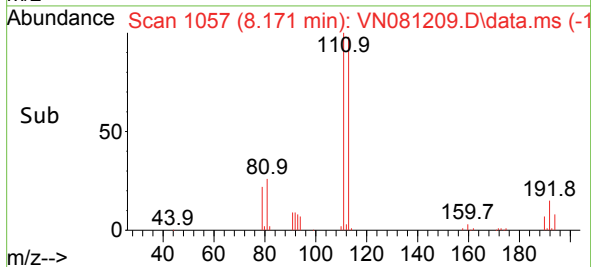
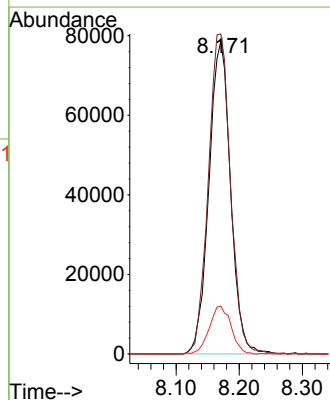
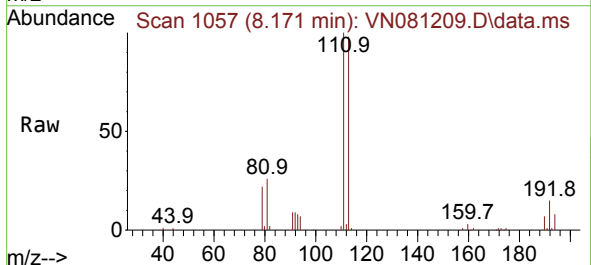
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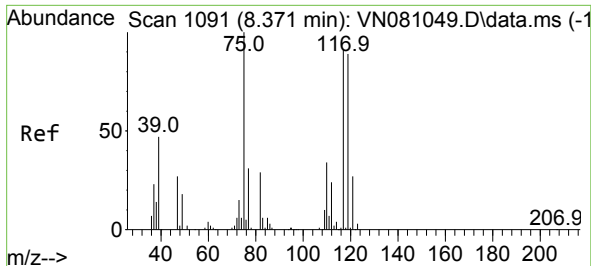
Tgt Ion:114 Resp: 651894
Ion Ratio Lower Upper
114 100
63 20.0 0.0 48.0
88 16.7 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.744 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

Tgt Ion:113 Resp: 187057
Ion Ratio Lower Upper
113 100
111 105.2 82.2 123.4
192 15.4 12.5 18.7

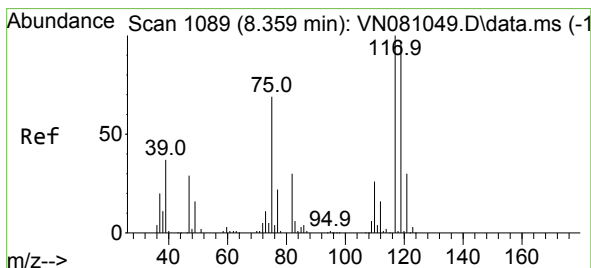
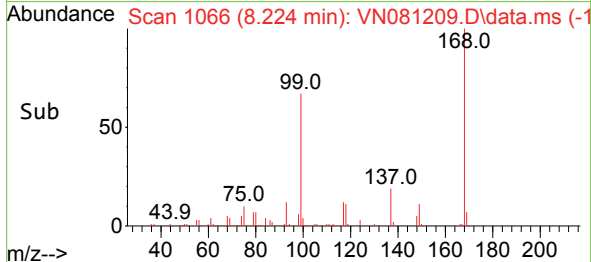
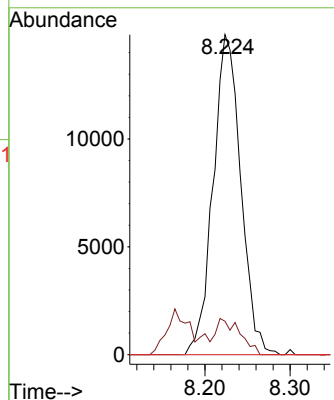
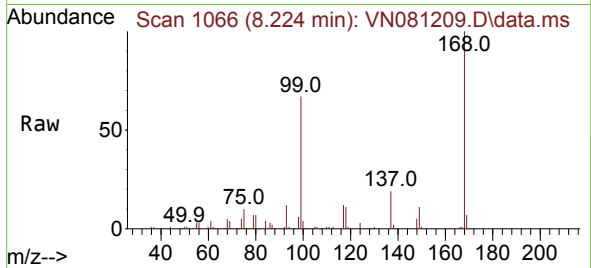




#36
1,1-Dichloropropene
Concen: 5.300 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

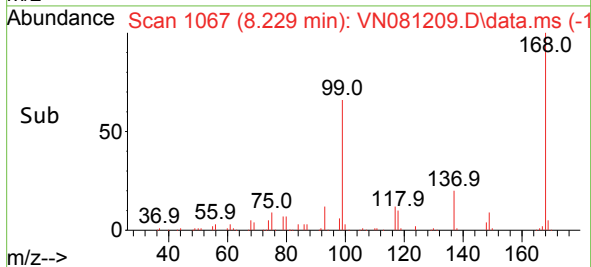
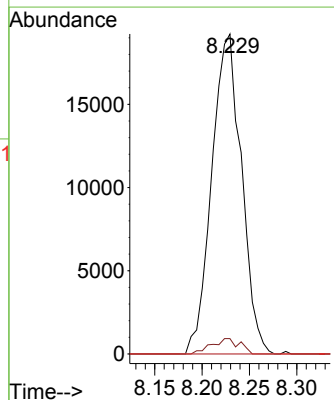
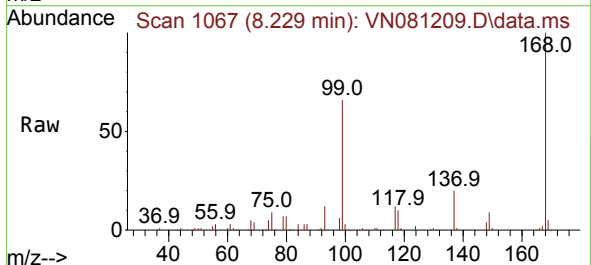
Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01

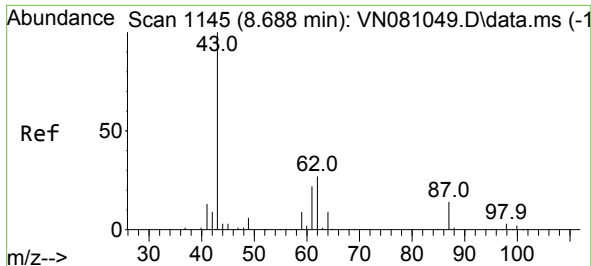
Tgt Ion: 75 Resp: 33470
Ion Ratio Lower Upper
75 100
110 9.8 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 6.573 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.130 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

Tgt Ion: 117 Resp: 41997
Ion Ratio Lower Upper
117 100
119 4.8 73.4 110.2#
121 0.0 24.4 36.6#

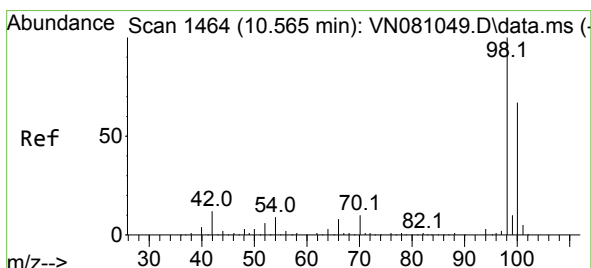
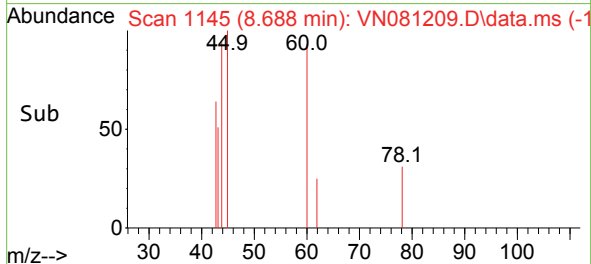
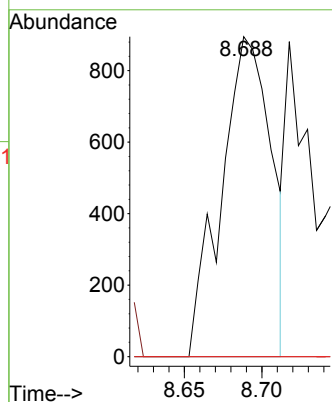
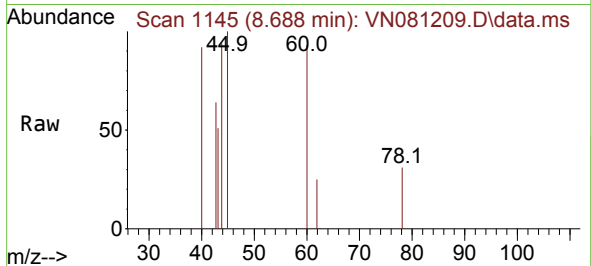




#43
Isopropyl Acetate
Concen: 0.202 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

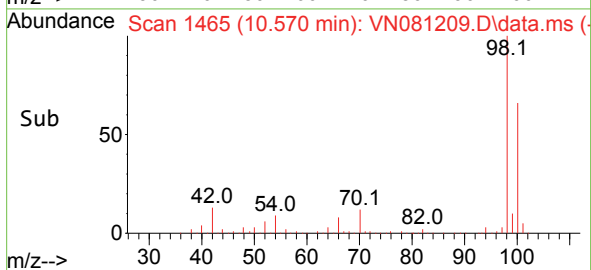
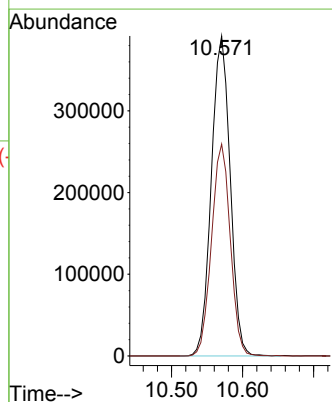
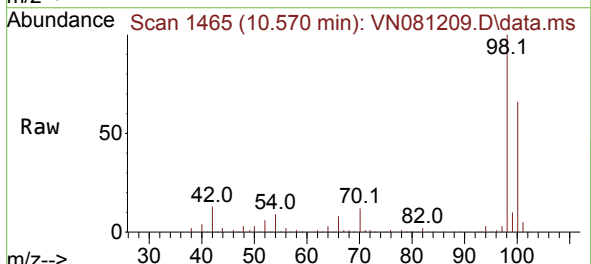
Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01

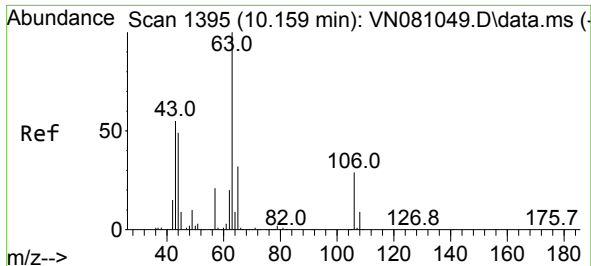
Tgt Ion: 43 Resp: 2016
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#50
Toluene-d8
Concen: 54.982 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

Tgt Ion: 98 Resp: 719862
Ion Ratio Lower Upper
98 100
100 65.9 51.4 77.0

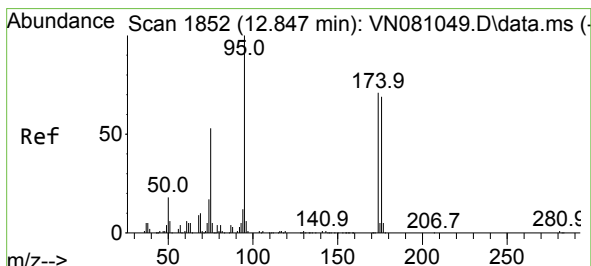
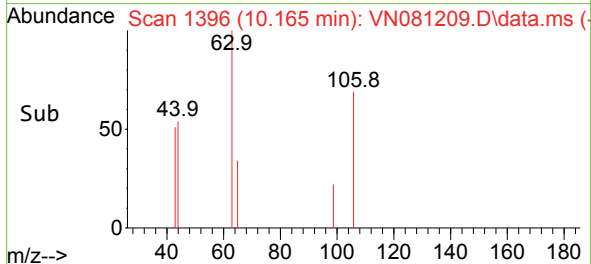
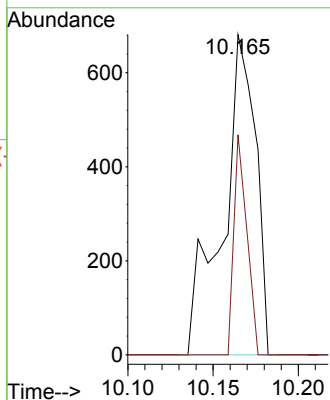
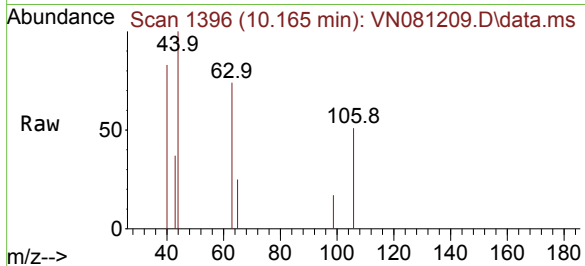




#58
2-Chloroethyl Vinyl ether
Concen: 0.270 ug/l
RT: 10.165 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

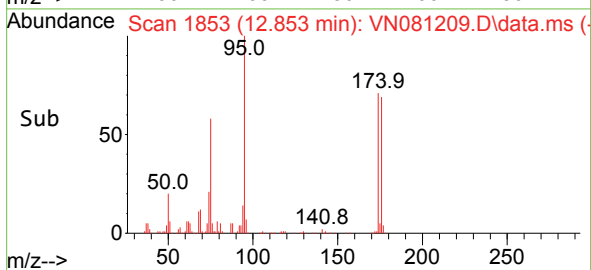
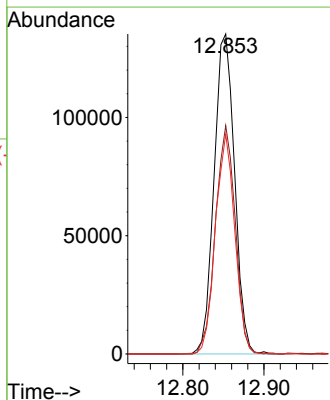
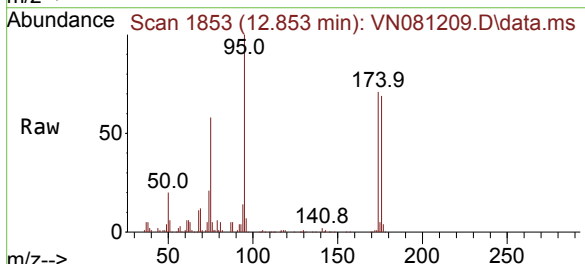
Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01

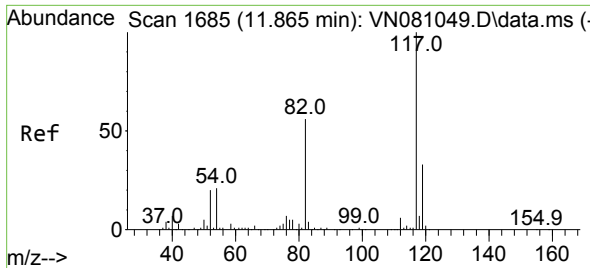
Tgt Ion: 63 Resp: 921
Ion Ratio Lower Upper
63 100
106 26.9 18.6 28.0



#62
4-Bromofluorobenzene
Concen: 48.321 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

Tgt Ion: 95 Resp: 237721
Ion Ratio Lower Upper
95 100
174 69.0 0.0 120.4
176 65.0 0.0 121.0

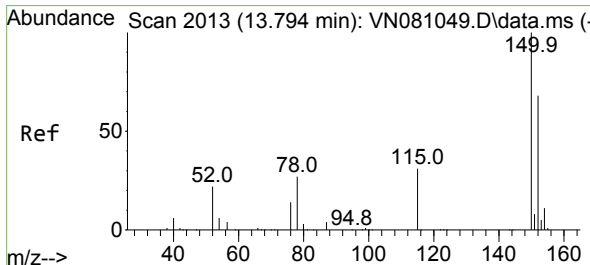
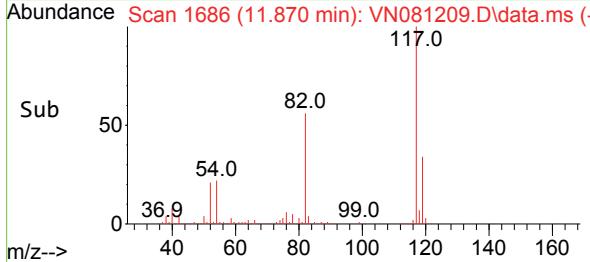
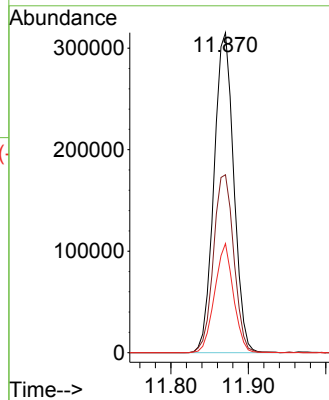
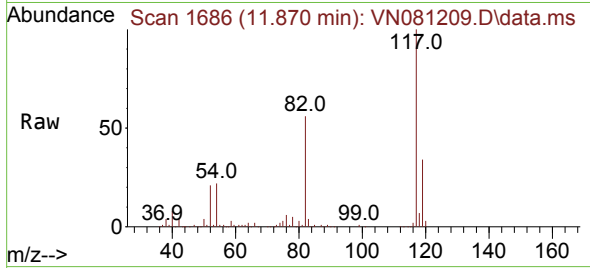




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

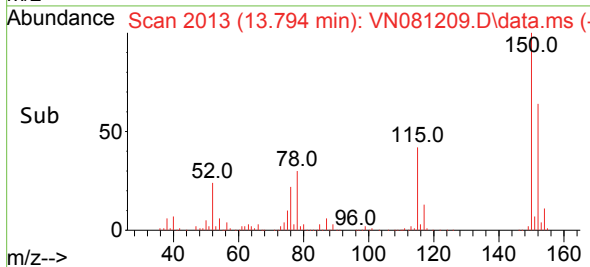
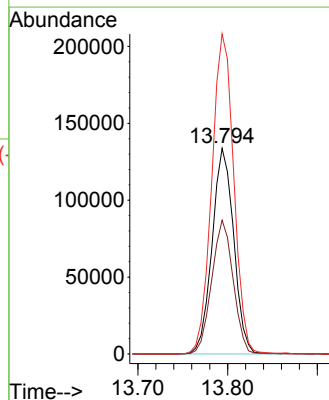
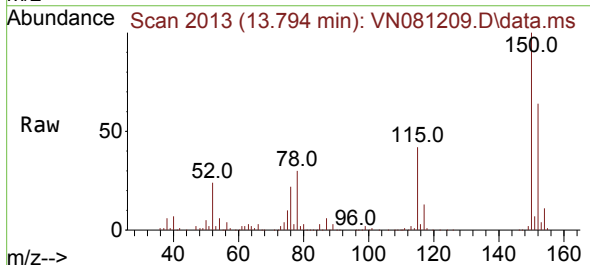
Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01

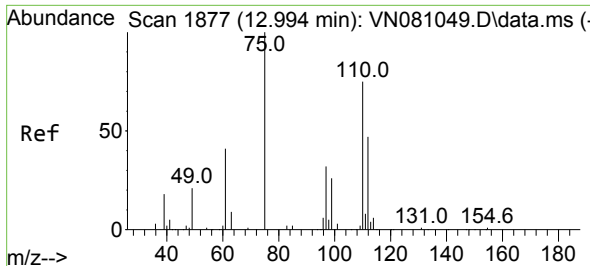
Tgt Ion:117 Resp: 558392
Ion Ratio Lower Upper
117 100
82 55.6 52.7 79.1
119 34.1 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

Tgt Ion:152 Resp: 223485
Ion Ratio Lower Upper
152 100
115 64.7 32.3 96.8
150 158.6 0.0 339.8

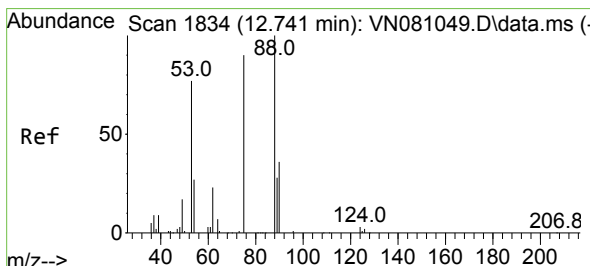
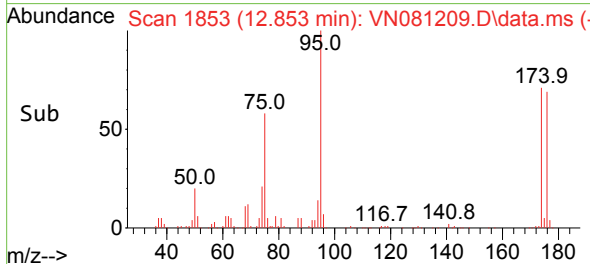
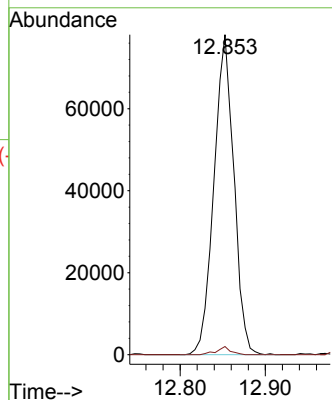
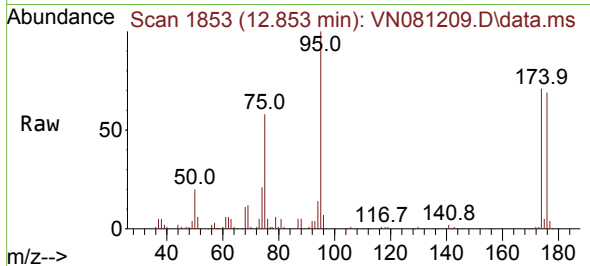




#76
1,2,3-Trichloropropane
Concen: 24.943 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

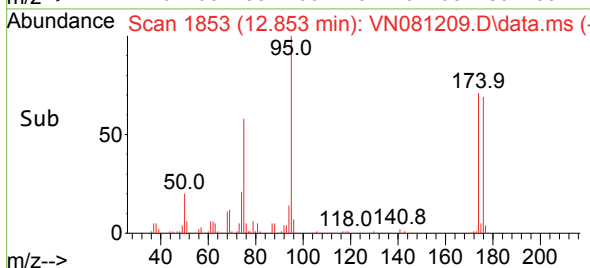
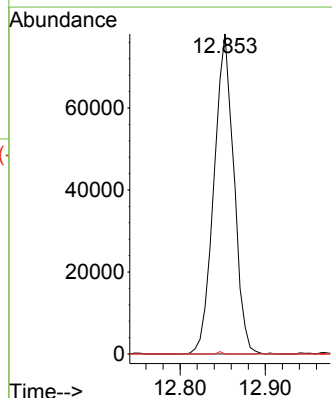
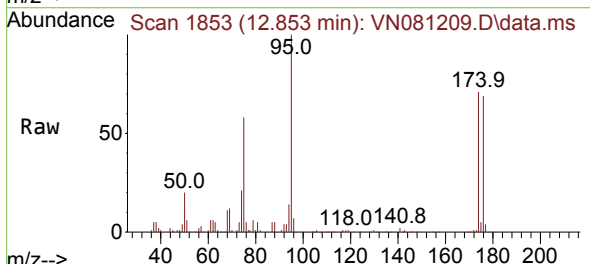
Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01

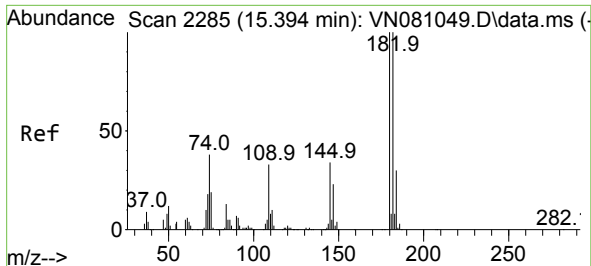
Tgt Ion: 75 Resp: 126655
Ion Ratio Lower Upper
75 100
77 1.8 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.202 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081209.D
Acq: 27 Feb 2024 10:53

Tgt Ion: 75 Resp: 126655
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.2 33.4 50.0#

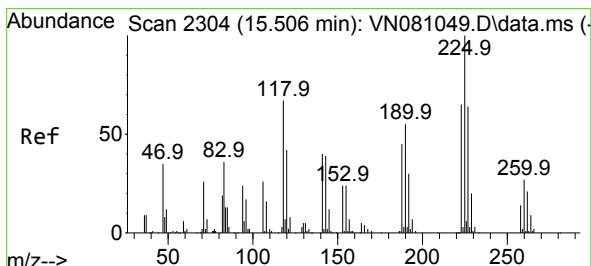
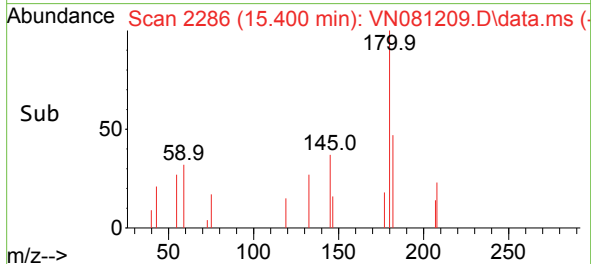
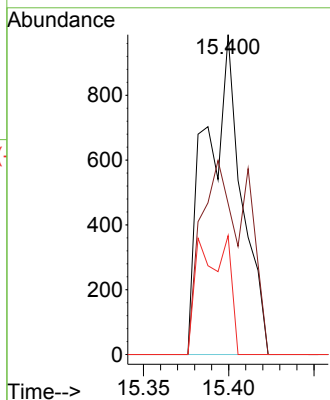
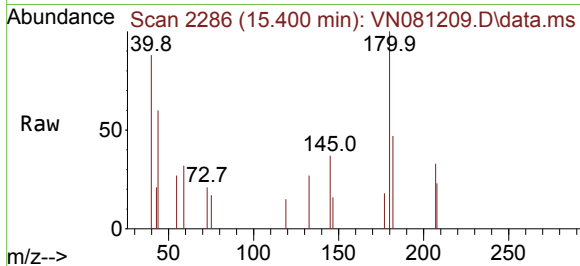




#93
 1,2,4-Trichlorobenzene
 Concen: 0.324 ug/l
 RT: 15.400 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN081209.D
 Acq: 27 Feb 2024 10:53

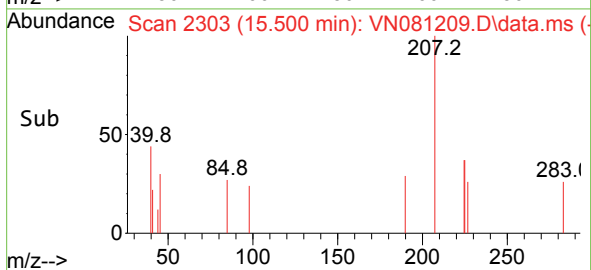
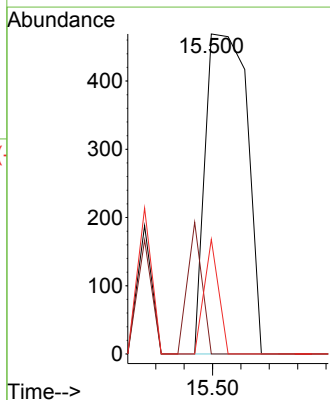
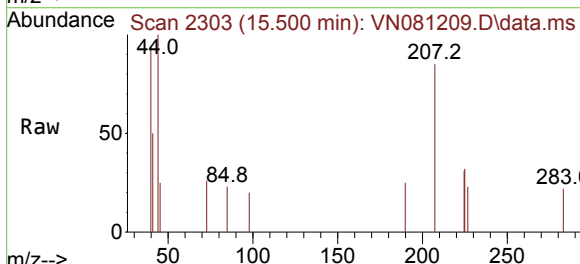
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0227MBL01

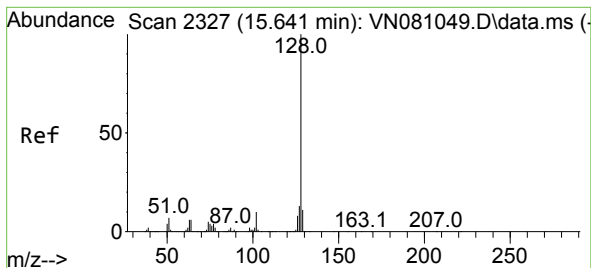
Tgt Ion:180 Resp: 1436
 Ion Ratio Lower Upper
 180 100
 182 76.9 46.6 139.7
 145 30.8 16.8 50.3



#94
 Hexachlorobutadiene
 Concen: 0.289 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. -0.006 min
 Lab File: VN081209.D
 Acq: 27 Feb 2024 10:53

Tgt Ion:225 Resp: 477
 Ion Ratio Lower Upper
 225 100
 223 14.3 33.3 99.8#
 227 12.4 33.1 99.2#





#95

Naphthalene

Concen: 0.235 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN081209.D

Acq: 27 Feb 2024 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN0227MBL01

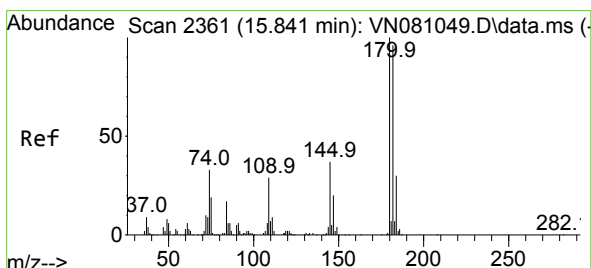
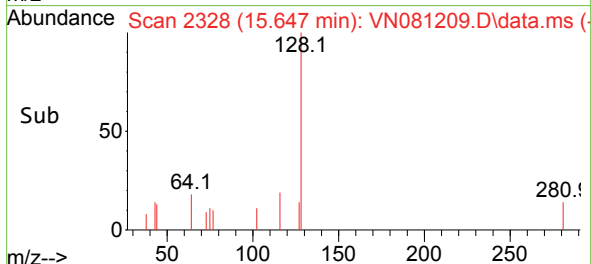
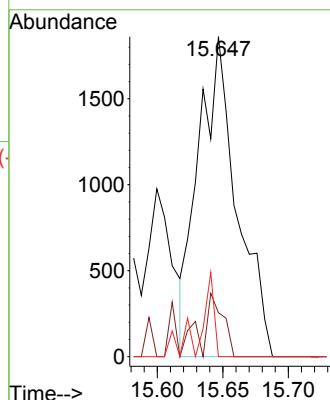
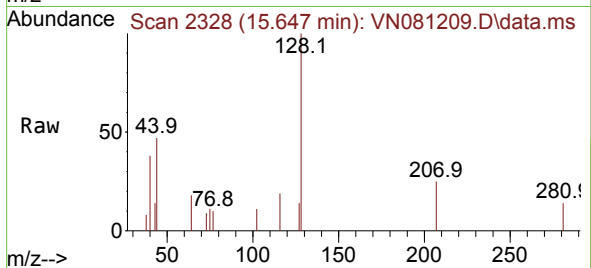
Tgt Ion:128 Resp: 3815

Ion Ratio Lower Upper

128 100

127 9.7 10.0 15.0#

129 8.1 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.322 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.006 min

Lab File: VN081209.D

Acq: 27 Feb 2024 10:53

Tgt Ion:180 Resp: 1414

Ion Ratio Lower Upper

180 100

182 76.7 46.5 139.3

145 26.8 17.8 53.4

