

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120423\
 Data File : VN080328.D
 Acq On : 04 Dec 2023 11:01
 Operator : JC\MD
 Sample : VN1204WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 05 04:11:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

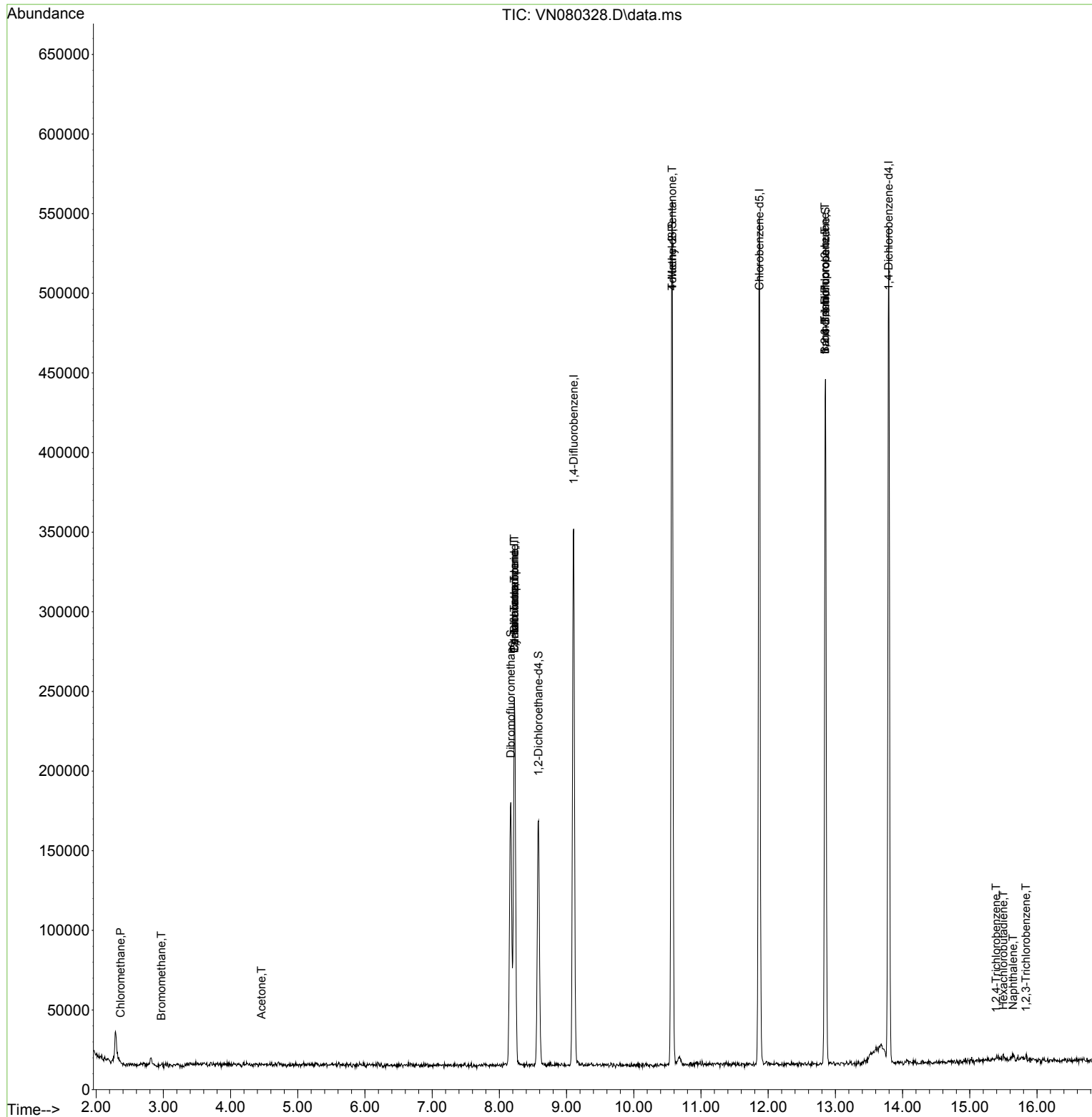
Internal Standards						
1) Pentafluorobenzene	8.224	168	162580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	289036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	308872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	139380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	144071	53.669	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.340%	
35) Dibromofluoromethane	8.171	113	115109	53.973	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.940%	
50) Toluene-d8	10.571	98	388581	50.544	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.080%	
62) 4-Bromofluorobenzene	12.853	95	147910	50.935	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	813	0.447	ug/l #	42
5) Bromomethane	2.971	94	397	0.304	ug/l #	54
6) Chloroethane	3.142	64	343	Below Cal	#	43
16) Acetone	4.459	43	1059	1.175	ug/l	97
31) Cyclohexane	8.224	56	3816	1.307	ug/l #	3
36) 1,1-Dichloropropene	8.224	75	13357	4.326	ug/l #	50
38) Carbon Tetrachloride	8.224	117	18903	4.824	ug/l #	16
51) 4-Methyl-2-Pentanone	10.571	43	1316	0.610	ug/l #	1
71) Bromoform	12.847	173	764	0.379	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	82937	24.286	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	82937	82.052	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	769	0.281	ug/l	86
94) Hexachlorobutadiene	15.500	225	442	0.281	ug/l #	36
95) Naphthalene	15.647	128	3375	0.425	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.835	180	784	0.305	ug/l #	82

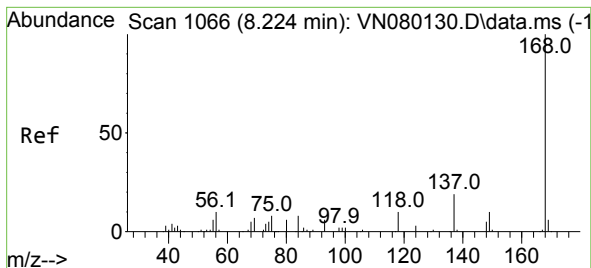
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080328.D

Acq: 04 Dec 2023 11:01

Instrument :

MSVOA_N

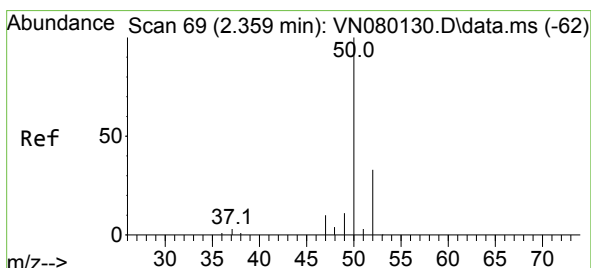
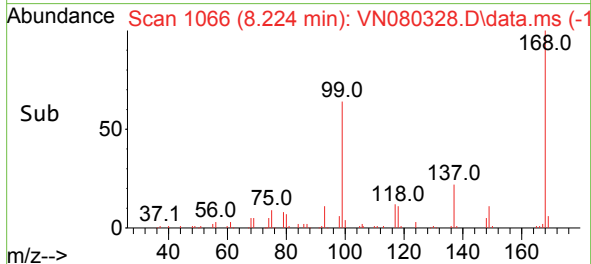
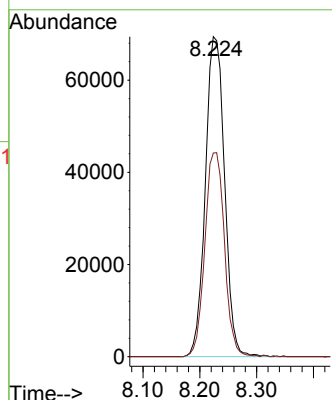
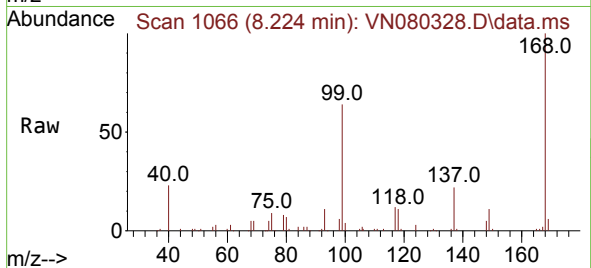
ClientSampleId :

Tgt Ion:168 Resp: 162580

Ion Ratio Lower Upper

168 100

99 63.7 53.0 79.6



#3

Chloromethane

Concen: 0.447 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080328.D

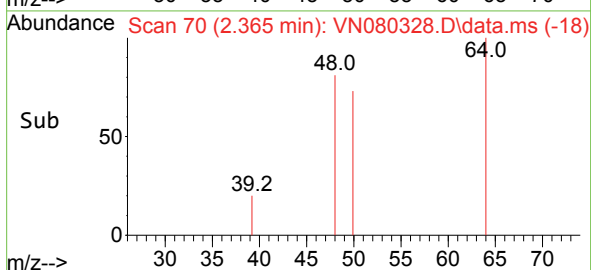
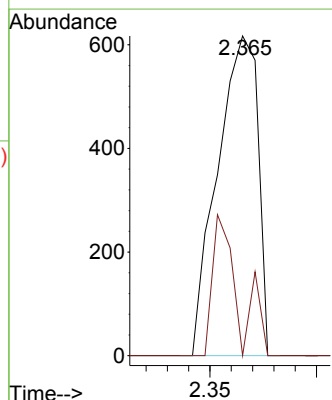
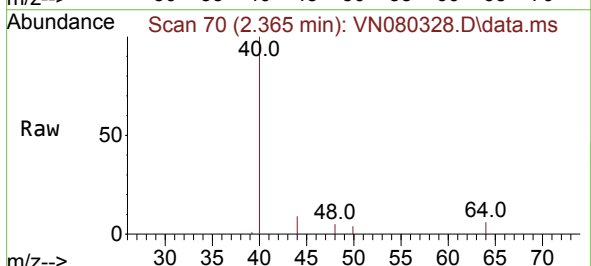
Acq: 04 Dec 2023 11:01

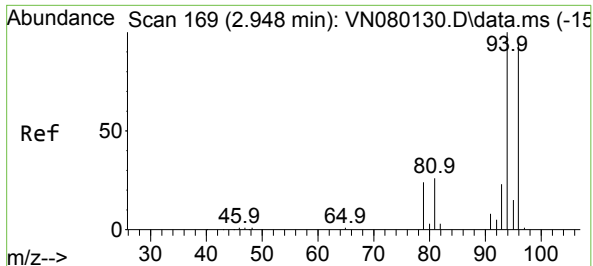
Tgt Ion: 50 Resp: 813

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

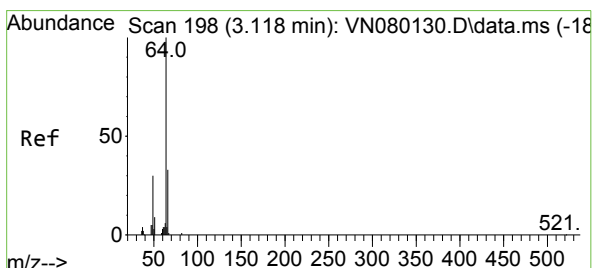
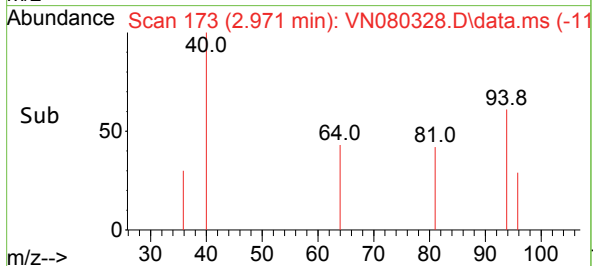
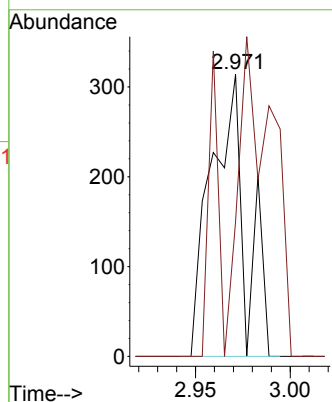
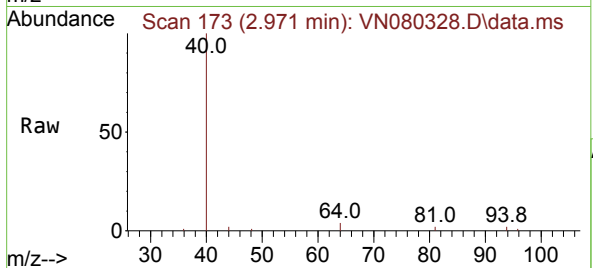




#5
Bromomethane
Concen: 0.304 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN080328.D
Acq: 04 Dec 2023 11:01

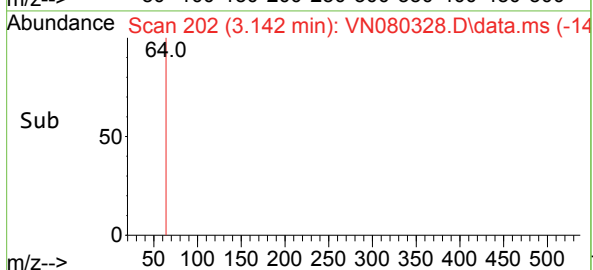
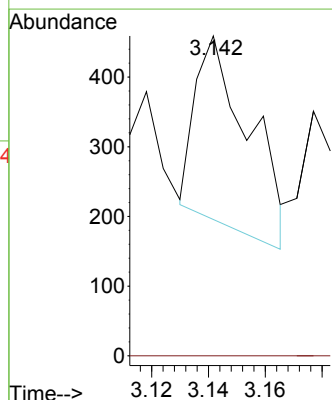
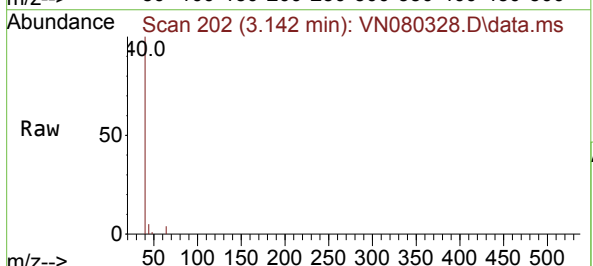
Instrument :
MSVOA_N
ClientSampleId :

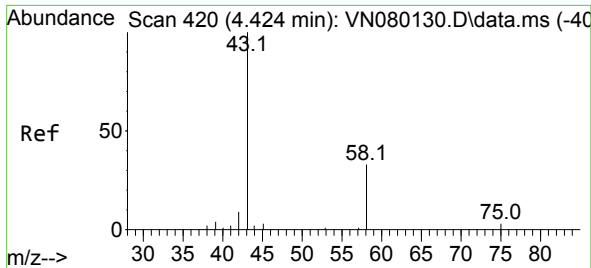
Tgt Ion: 94 Resp: 397
Ion Ratio Lower Upper
94 100
96 47.8 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 202
Delta R.T. 0.024 min
Lab File: VN080328.D
Acq: 04 Dec 2023 11:01

Tgt Ion: 64 Resp: 343
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#16

Acetone

Concen: 1.175 ug/l

RT: 4.459 min Scan# 41

Delta R.T. 0.035 min

Lab File: VN080328.D

Acq: 04 Dec 2023 11:01

Instrument :

MSVOA_N

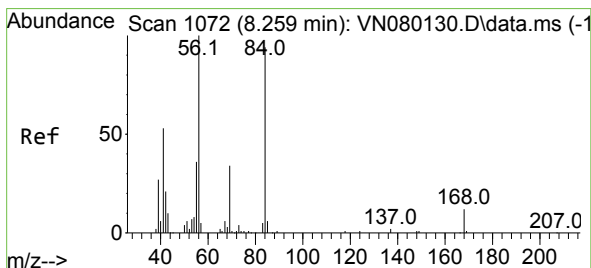
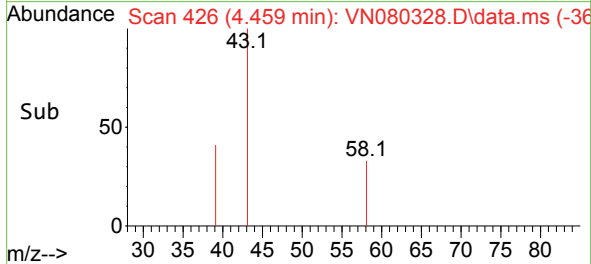
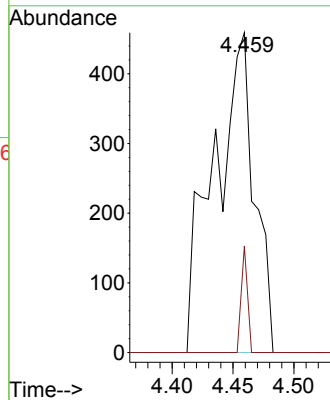
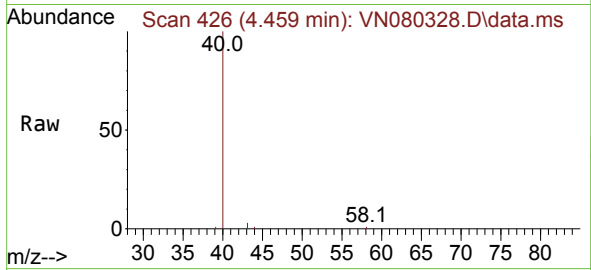
ClientSampleId :

Tgt Ion: 43 Resp: 1059

Ion Ratio Lower Upper

43 100

58 33.3 28.0 42.0



#31

Cyclohexane

Concen: 1.307 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN080328.D

Acq: 04 Dec 2023 11:01

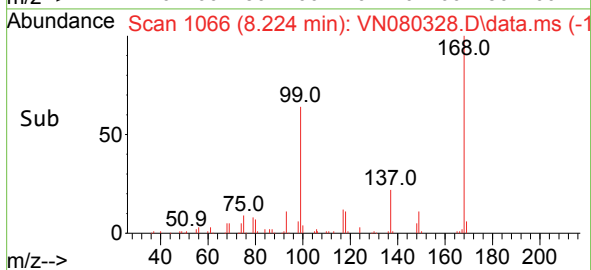
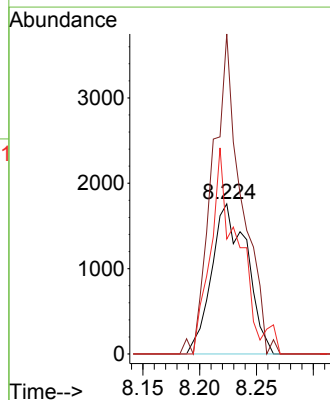
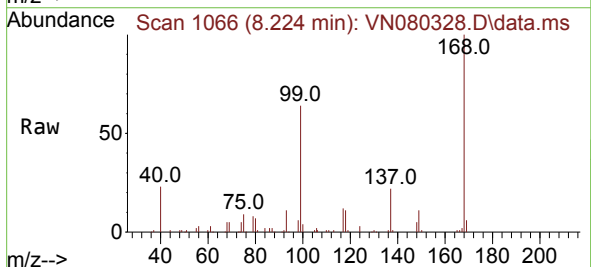
Tgt Ion: 56 Resp: 3816

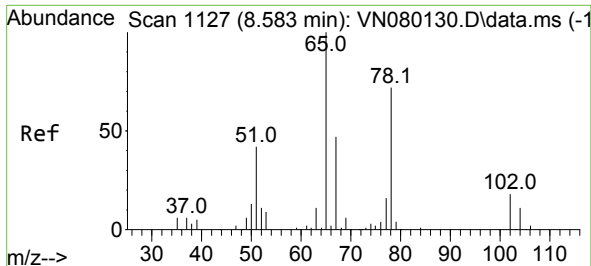
Ion Ratio Lower Upper

56 100

69 213.3 26.8 40.2#

84 76.6 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 53.669 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080328.D

Acq: 04 Dec 2023 11:01

Instrument :

MSVOA_N

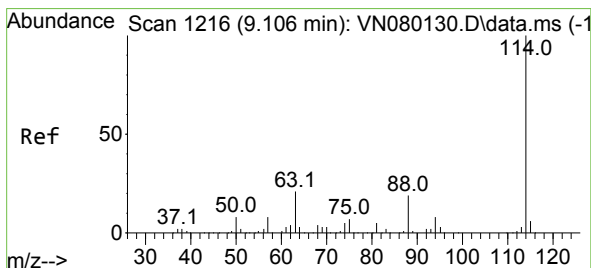
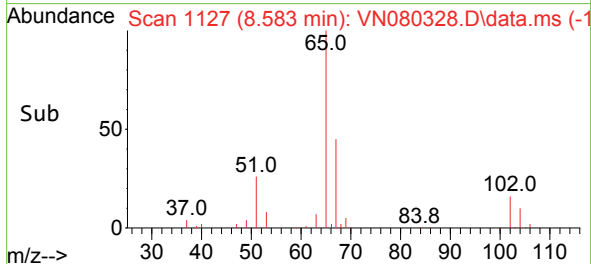
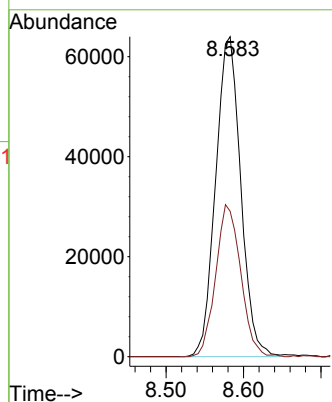
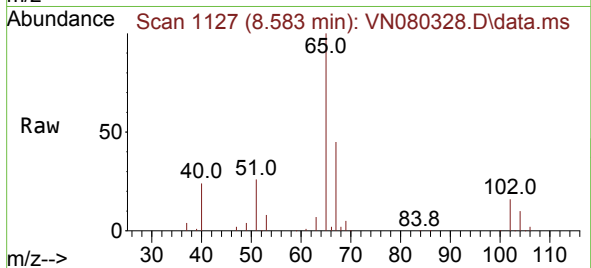
ClientSampleId :

Tgt Ion: 65 Resp: 144071

Ion Ratio Lower Upper

65 100

67 47.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080328.D

Acq: 04 Dec 2023 11:01

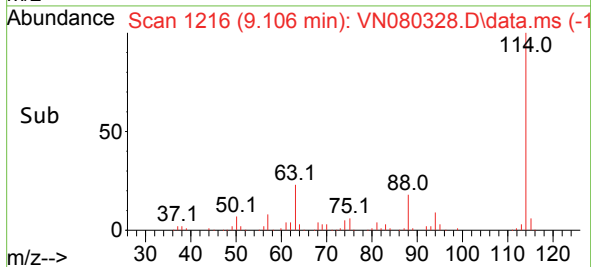
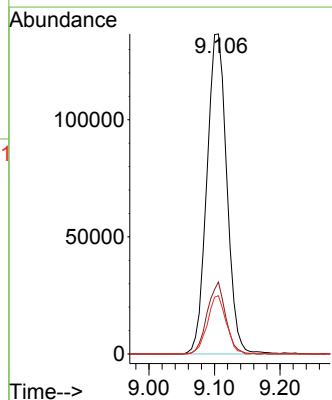
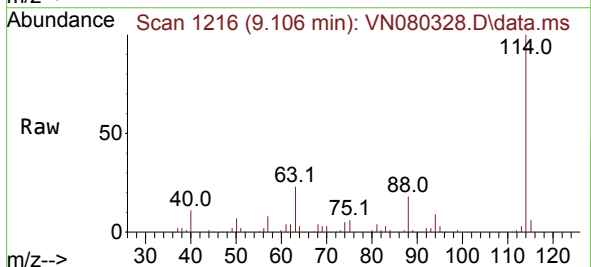
Tgt Ion: 114 Resp: 289036

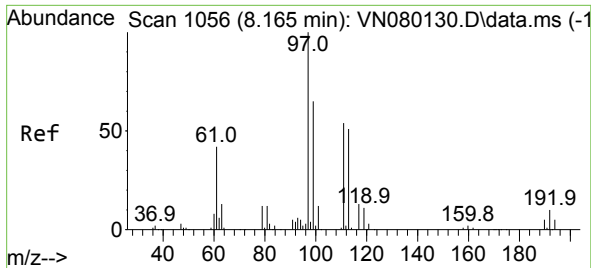
Ion Ratio Lower Upper

114 100

63 22.5 0.0 36.4

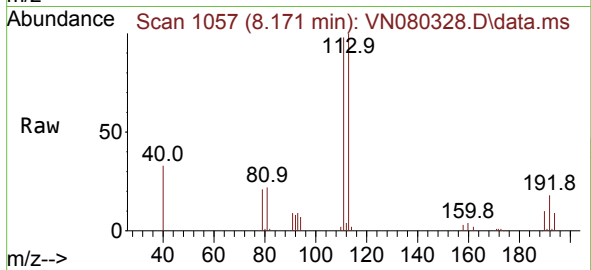
88 18.2 0.0 30.6



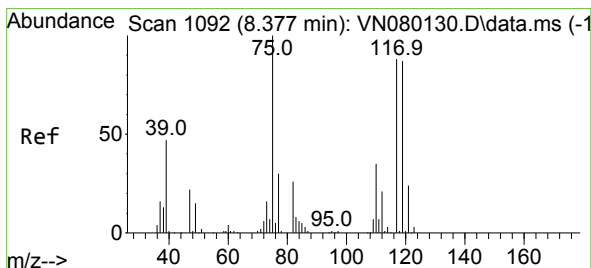
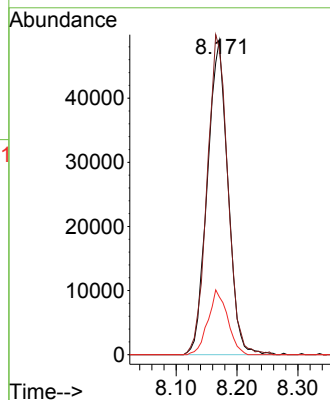
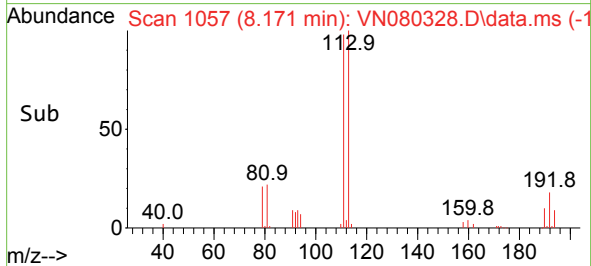


#35
 Dibromofluoromethane
 Concen: 53.973 ug/l
 RT: 8.171 min Scan# 1056
 Delta R.T. 0.006 min
 Lab File: VN080328.D
 Acq: 04 Dec 2023 11:01

Instrument :
 MSVOA_N
 ClientSampleId :

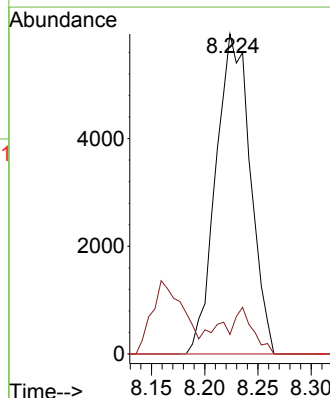
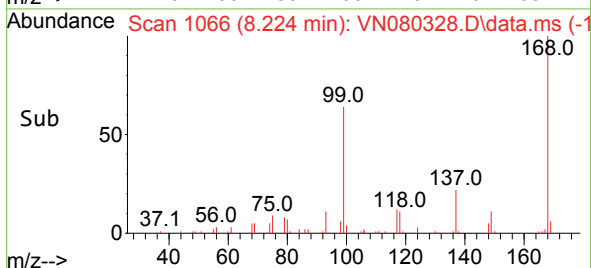
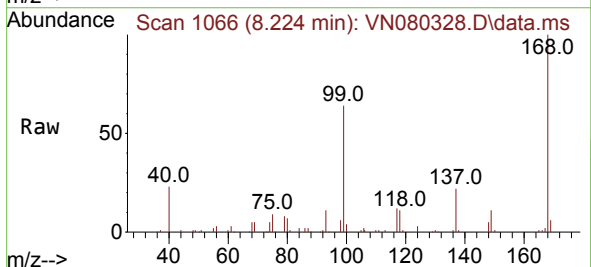


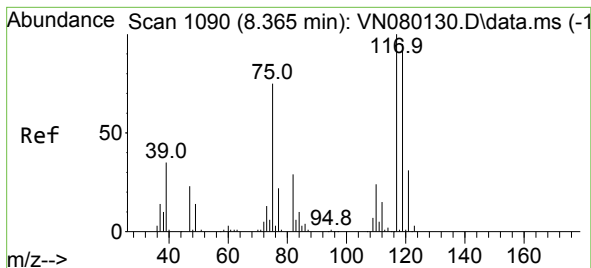
Tgt Ion:113 Resp: 115109
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.6 123.8
 192 19.6 12.7 19.1#



#36
 1,1-Dichloropropene
 Concen: 4.326 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.153 min
 Lab File: VN080328.D
 Acq: 04 Dec 2023 11:01

Tgt Ion: 75 Resp: 13357
 Ion Ratio Lower Upper
 75 100
 110 11.6 19.1 57.3#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.824 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

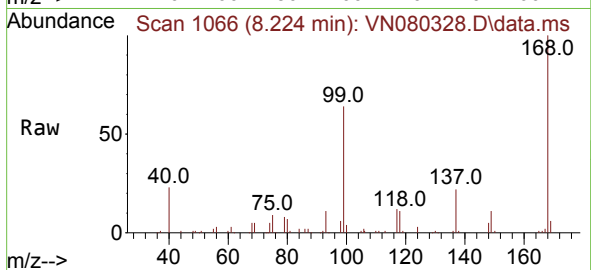
Lab File: VN080328.D

Acq: 04 Dec 2023 11:01

Instrument :

MSVOA_N

ClientSampleId :



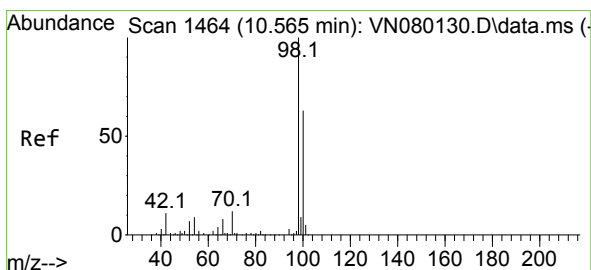
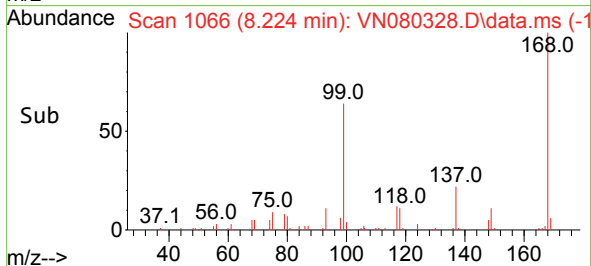
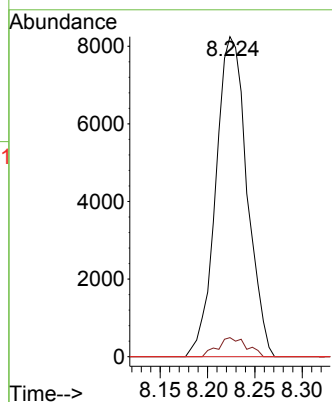
Tgt Ion:117 Resp: 18903

Ion Ratio Lower Upper

117 100

119 6.0 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 50.544 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080328.D

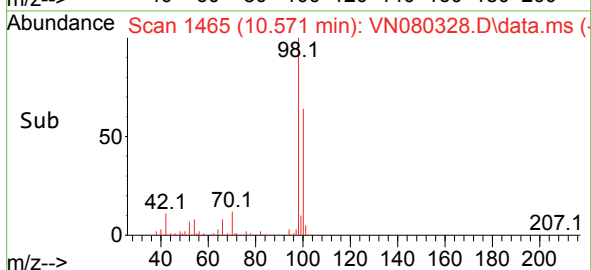
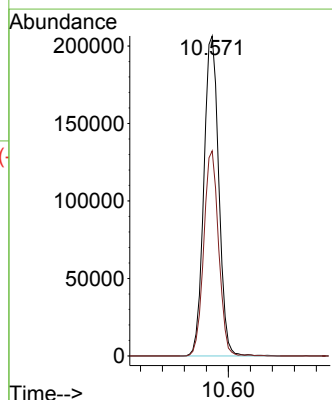
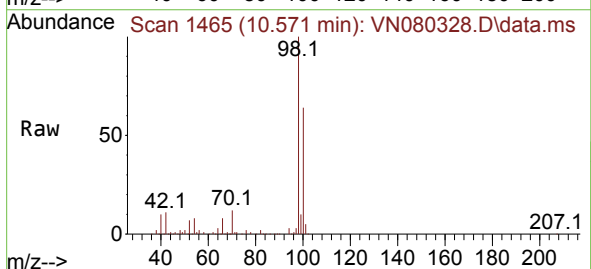
Acq: 04 Dec 2023 11:01

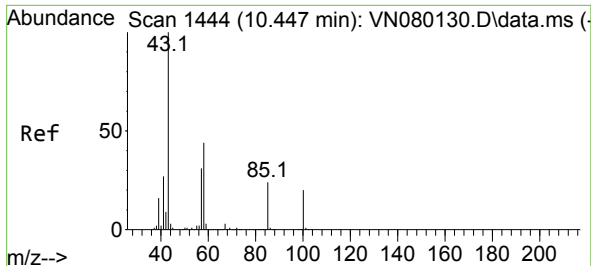
Tgt Ion: 98 Resp: 388581

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0

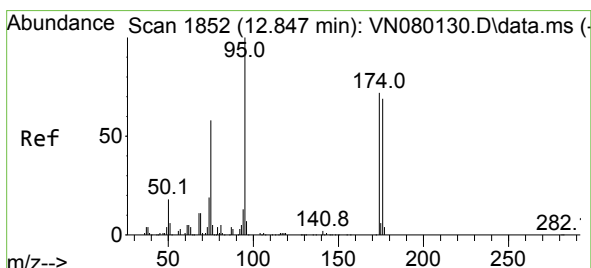
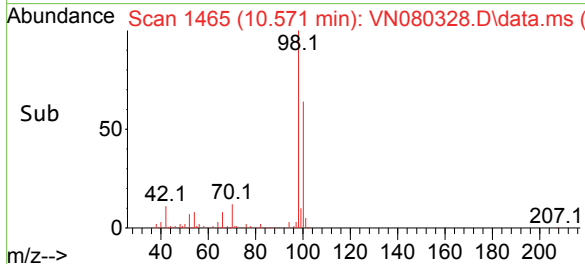
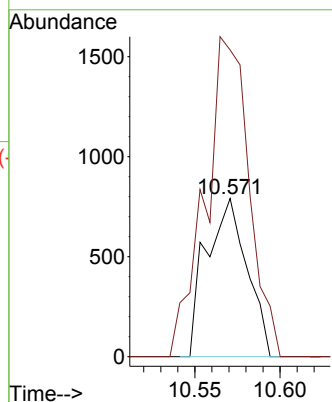
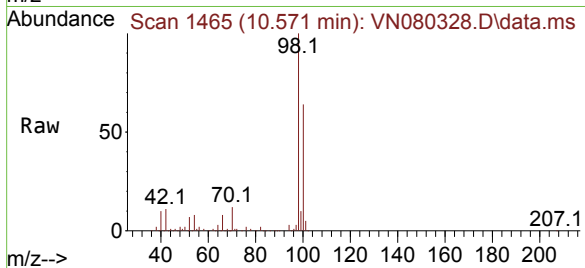




#51
4-Methyl-2-Pentanone
Concen: 0.610 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN080328.D
Acq: 04 Dec 2023 11:01

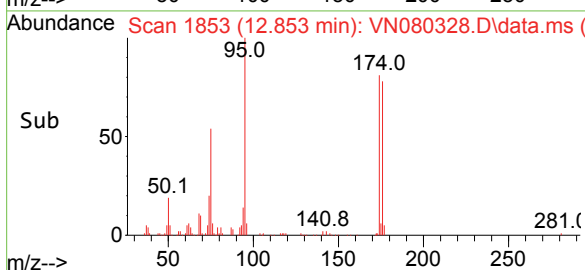
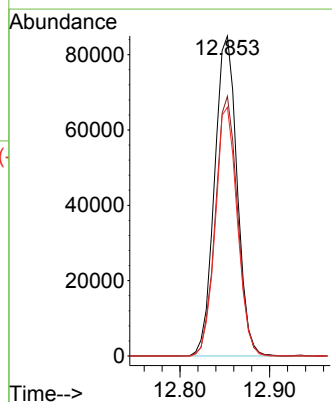
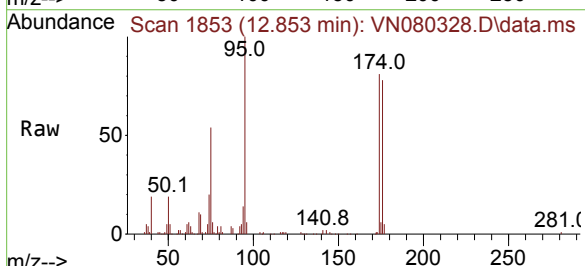
Instrument :
MSVOA_N
ClientSampleId :

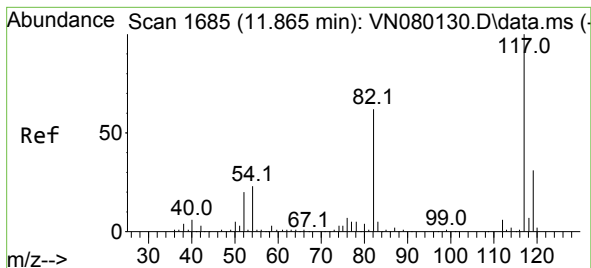
Tgt Ion: 43 Resp: 1316
Ion Ratio Lower Upper
43 100
58 217.1 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 50.935 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080328.D
Acq: 04 Dec 2023 11:01

Tgt Ion: 95 Resp: 147910
Ion Ratio Lower Upper
95 100
174 80.1 0.0 143.8
176 76.0 0.0 135.8

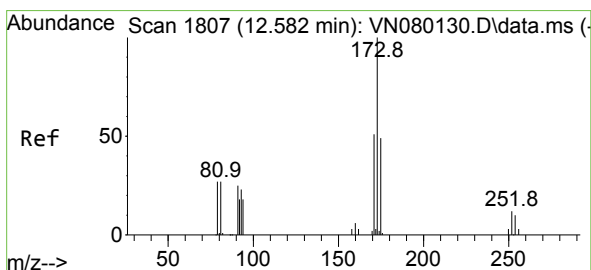
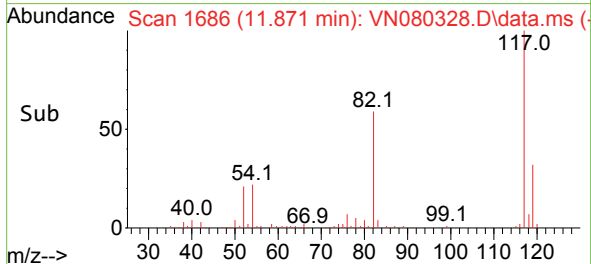
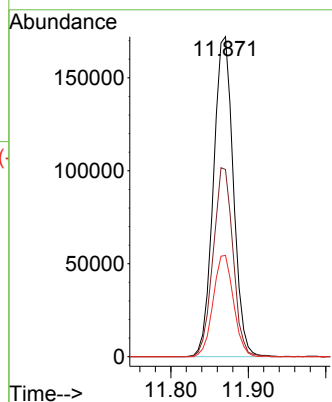
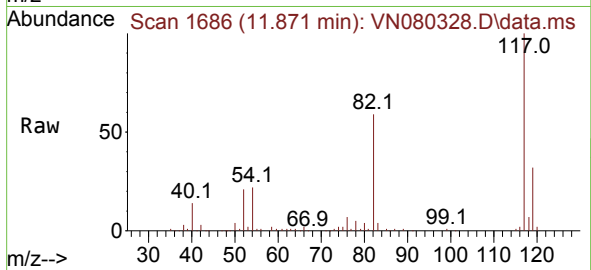




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN080328.D
Acq: 04 Dec 2023 11:01

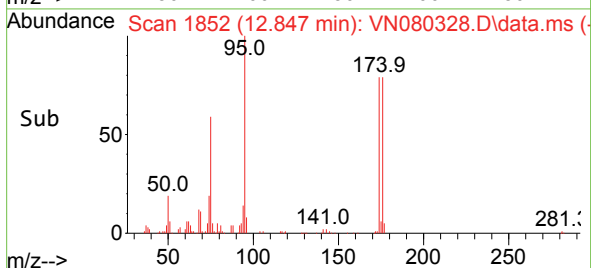
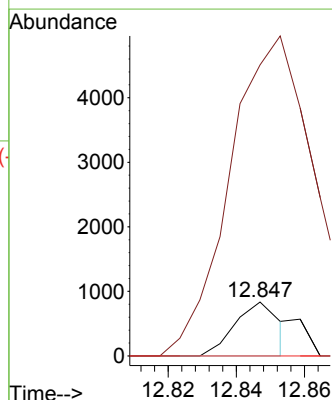
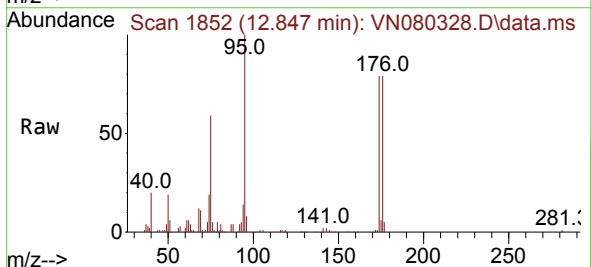
Instrument :
MSVOA_N
ClientSampleId :

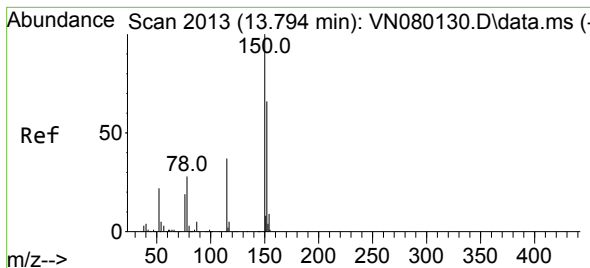
Tgt Ion:117 Resp: 308872
Ion Ratio Lower Upper
117 100
82 58.5 44.0 66.0
119 31.6 25.6 38.4



#71
Bromoform
Concen: 0.379 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080328.D
Acq: 04 Dec 2023 11:01

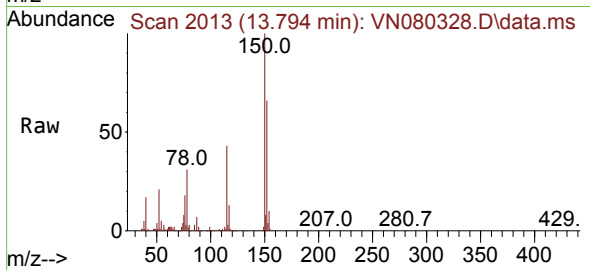
Tgt Ion:173 Resp: 764
Ion Ratio Lower Upper
173 100
175 933.6 24.3 73.0#
254 0.0 0.0 0.0



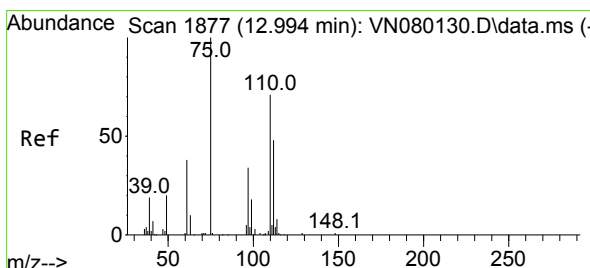
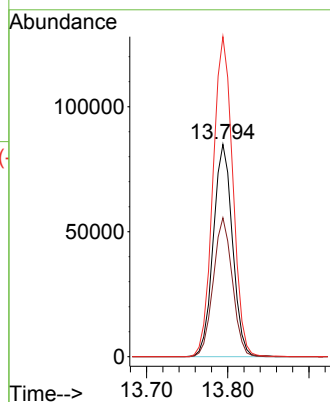
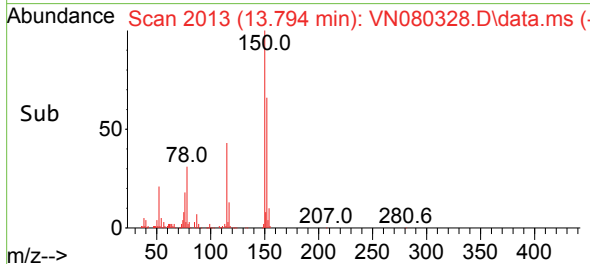


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN080328.D
 Acq: 04 Dec 2023 11:01

Instrument :
 MSVOA_N
 ClientSampleId :

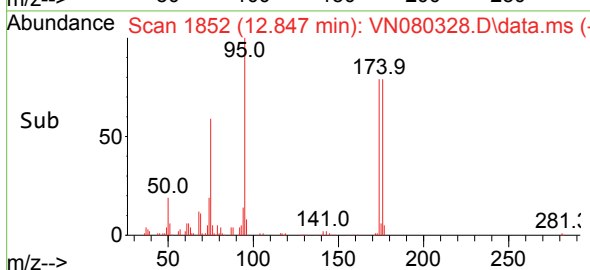
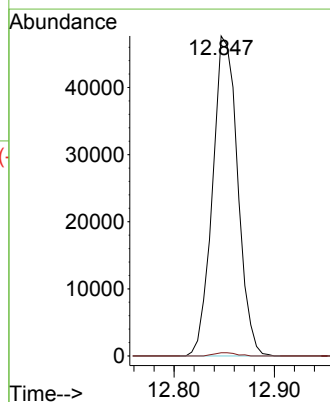
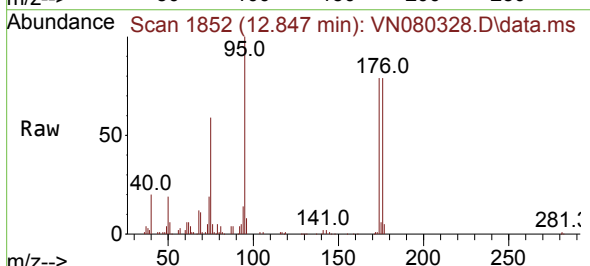


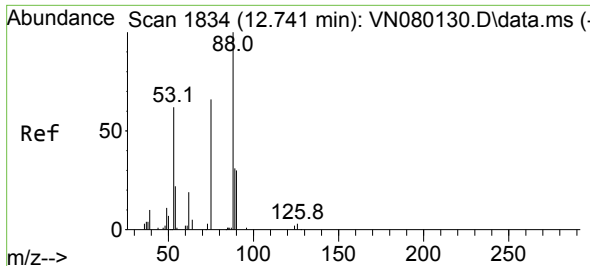
Tgt Ion:152 Resp: 139380
 Ion Ratio Lower Upper
 152 100
 115 65.0 32.3 96.8
 150 155.4 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 24.286 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN080328.D
 Acq: 04 Dec 2023 11:01

Tgt Ion: 75 Resp: 82937
 Ion Ratio Lower Upper
 75 100
 77 0.9 84.5 253.5#

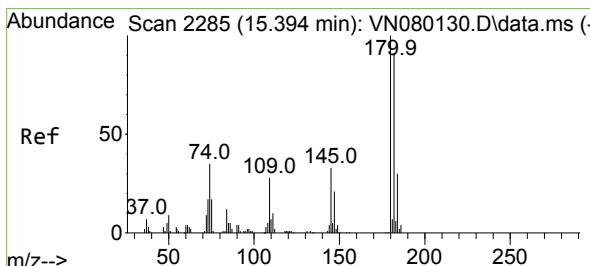
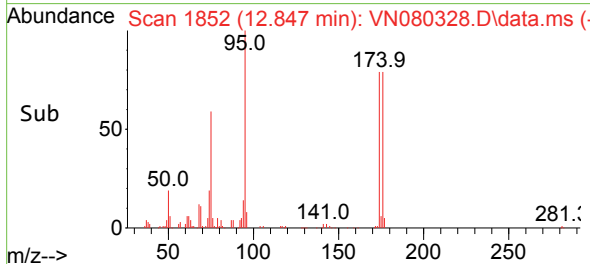
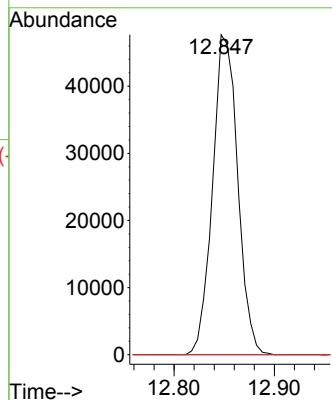
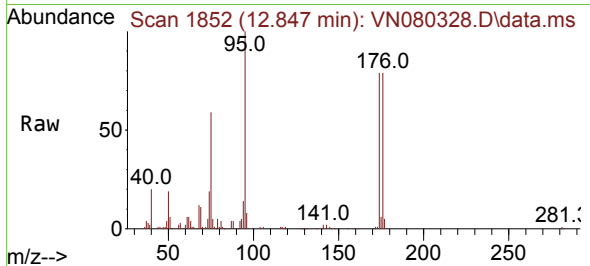




#81
trans-1,4-Dichloro-2-butene
Concen: 82.052 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN080328.D
Acq: 04 Dec 2023 11:01

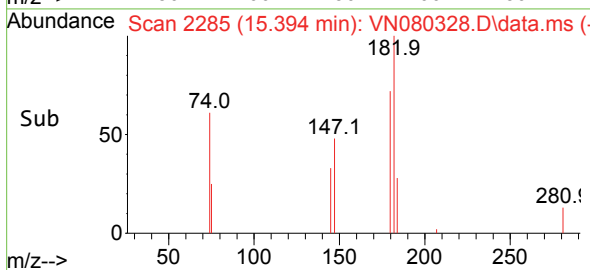
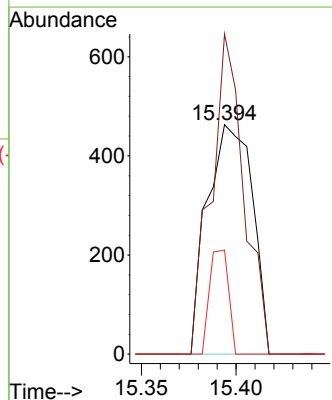
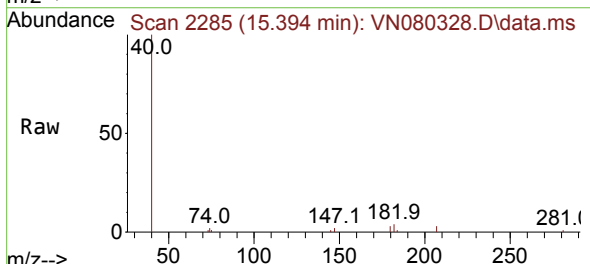
Instrument :
MSVOA_N
ClientSampleId :

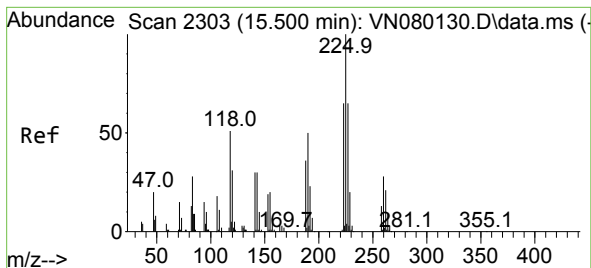
Tgt Ion: 75 Resp: 82937
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.281 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VN080328.D
Acq: 04 Dec 2023 11:01

Tgt Ion:180 Resp: 769
Ion Ratio Lower Upper
180 100
182 101.4 46.1 138.2
145 19.1 16.6 49.8





#94

Hexachlorobutadiene

Concen: 0.281 ug/l

RT: 15.500 min Scan# 21

Delta R.T. -0.000 min

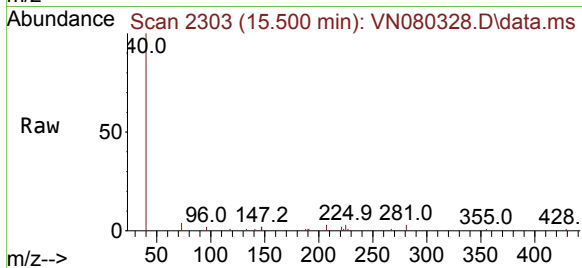
Lab File: VN080328.D

Acq: 04 Dec 2023 11:01

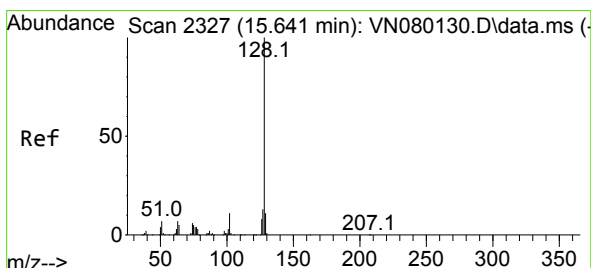
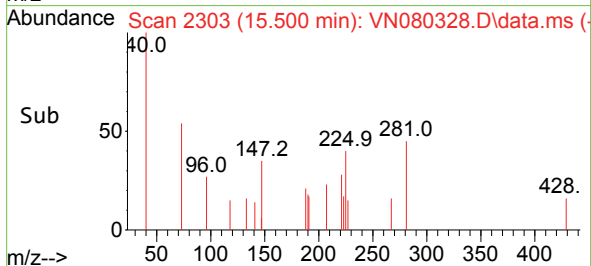
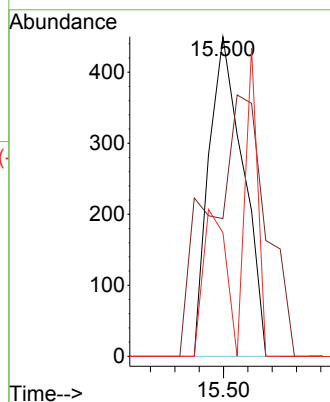
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	225	Resp:	442
Ion Ratio	Lower	Upper	
225	100		
223	132.1	31.3	93.8#
227	34.6	31.9	95.9



#95

Naphthalene

Concen: 0.425 ug/l

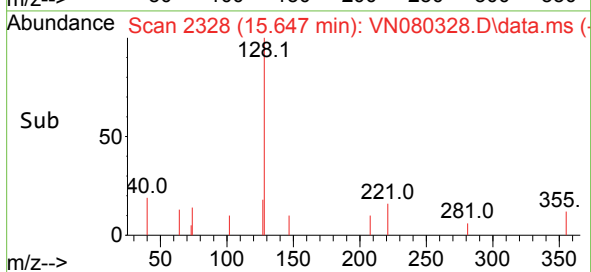
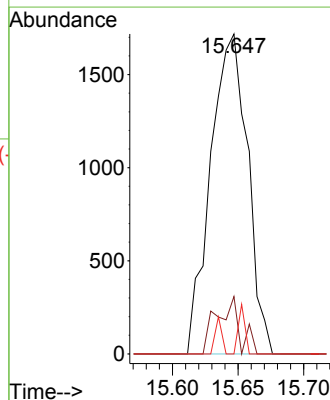
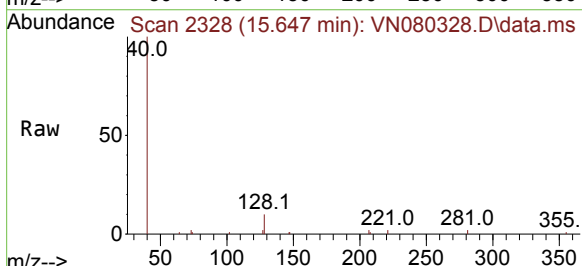
RT: 15.647 min Scan# 2328

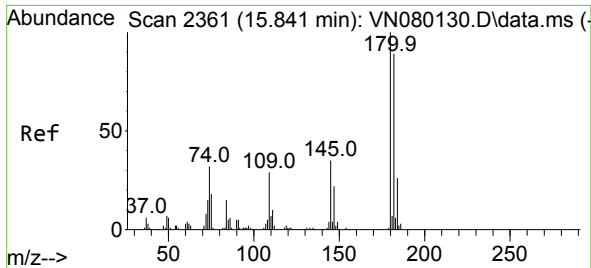
Delta R.T. 0.006 min

Lab File: VN080328.D

Acq: 04 Dec 2023 11:01

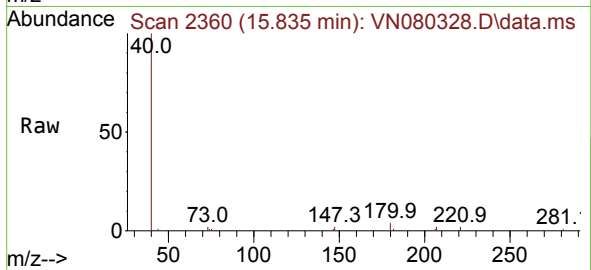
Tgt Ion:	128	Resp:	3375
Ion Ratio	Lower	Upper	
128	100		
127	11.3	10.0	15.0
129	2.8	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.305 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN080328.D
 Acq: 04 Dec 2023 11:01

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.2	138.6
145	0.0	17.5	52.6

