

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112723\
 Data File : VN080268.D
 Acq On : 27 Nov 2023 11:40
 Operator : JC\MD
 Sample : VN1127WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 28 02:06:30 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	8.230	168	164028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	298542	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	317248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	140364	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	147660	54.520	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.040%
35) Dibromofluoromethane	8.165	113	116604	52.933	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.860%
50) Toluene-d8	10.571	98	399292	50.283	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.560%
62) 4-Bromofluorobenzene	12.853	95	153938	51.323	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.640%

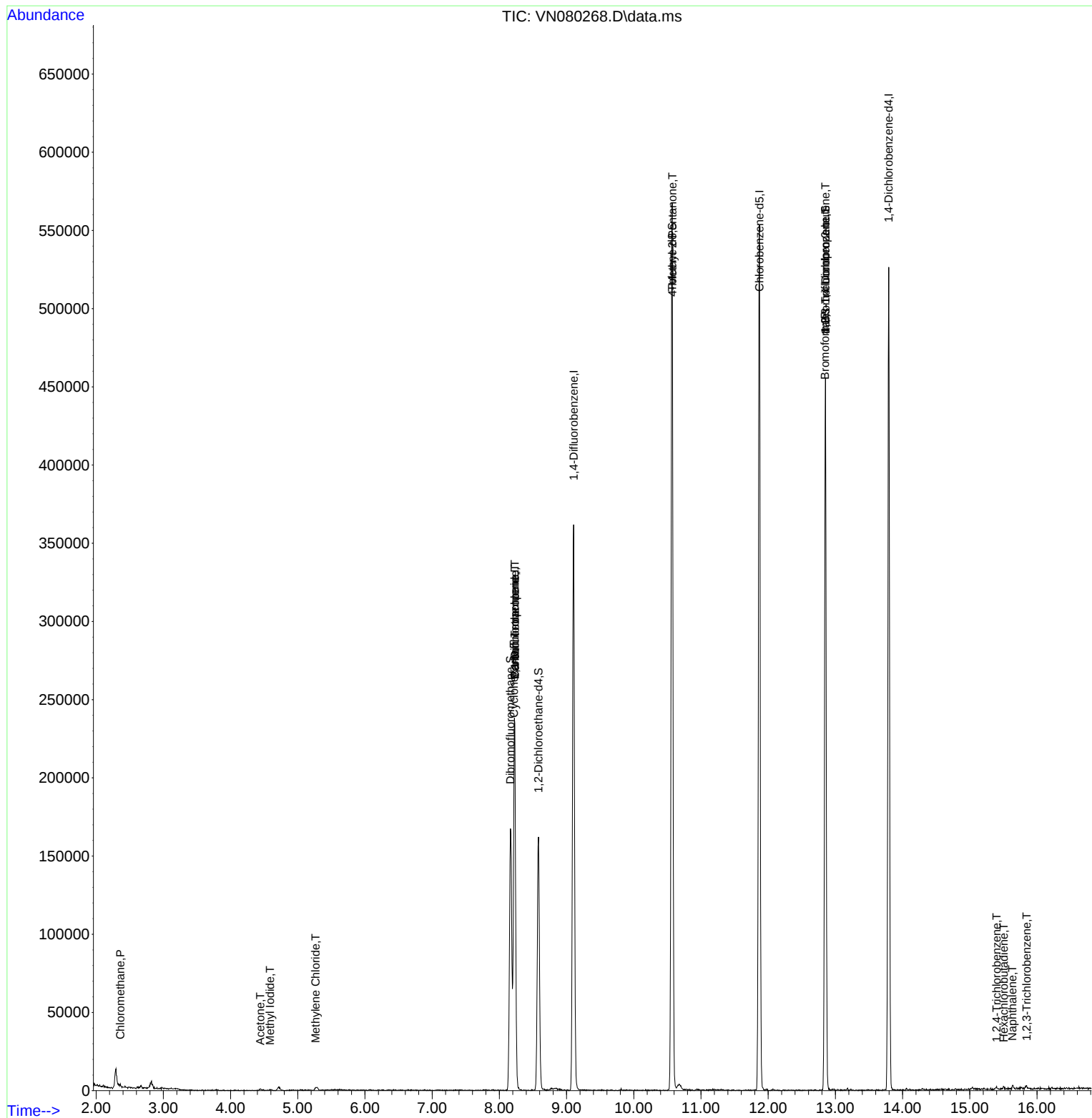
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	651	0.354	ug/l	# 12
6) Chloroethane	3.106	64	702	Below Cal		# 43
10) Methyl Iodide	4.589	142	891	0.445	ug/l	# 38
16) Acetone	4.442	43	1692	1.860	ug/l	# 40
20) Methylene Chloride	5.265	84	851	0.447	ug/l	# 83
31) Cyclohexane	8.218	56	3811	1.294	ug/l	# 41
36) 1,1-Dichloropropene	8.230	75	13780	4.321	ug/l	# 49
38) Carbon Tetrachloride	8.230	117	18980	4.690	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.577	43	1442	0.647	ug/l	# 1
71) Bromoform	12.847	173	1188	0.574	ug/l	# 1
76) 1,2,3-Trichloropropane	12.853	75	85590	24.887	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	85590	84.083	ug/l	# 15
93) 1,2,4-Trichlorobenzene	15.400	180	614	0.223	ug/l	# 85
94) Hexachlorobutadiene	15.506	225	476	0.300	ug/l	# 48
95) Naphthalene	15.635	128	2738	0.342	ug/l	# 82
96) 1,2,3-Trichlorobenzene	15.847	180	762	0.295	ug/l	# 76

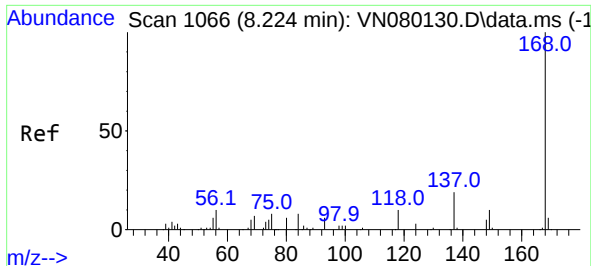
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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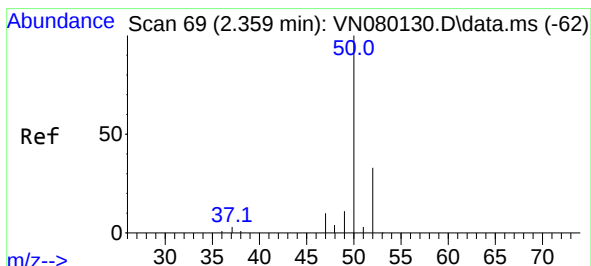
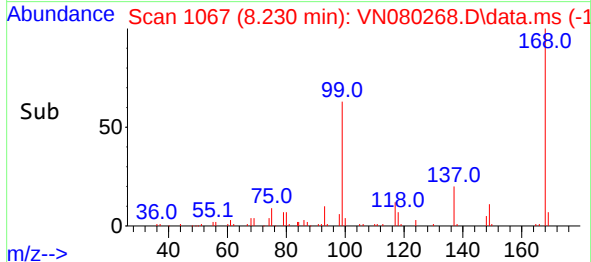
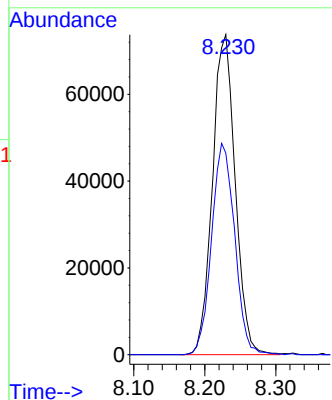
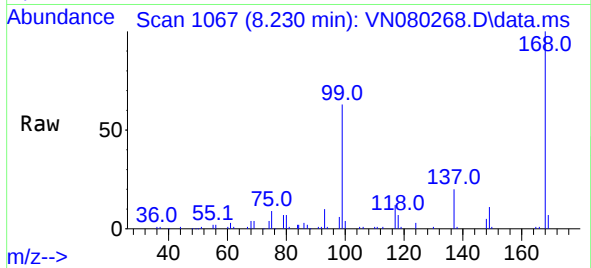




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

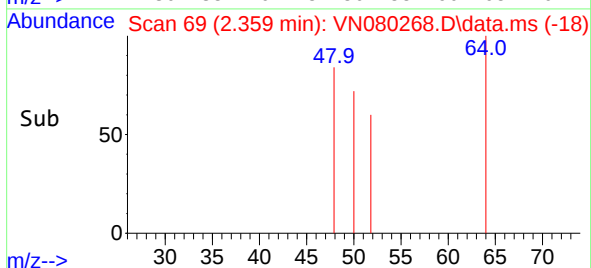
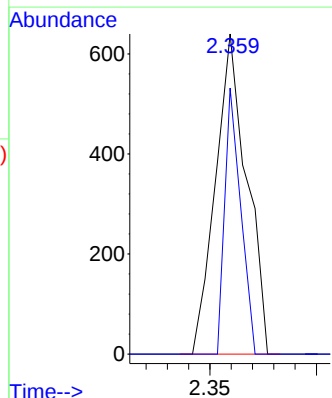
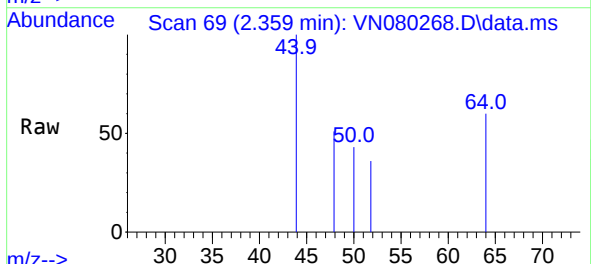
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 164028
Ion Ratio Lower Upper
168 100
99 63.0 53.0 79.6

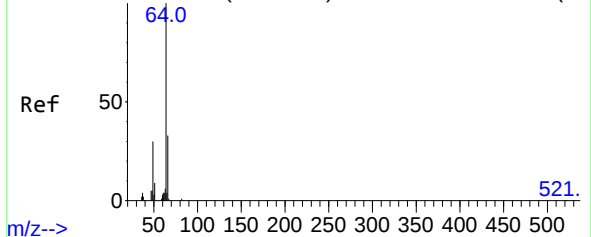


#3
Chloromethane
Concen: 0.354 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

Tgt Ion: 50 Resp: 651
Ion Ratio Lower Upper
50 100
52 83.1 26.5 39.7#

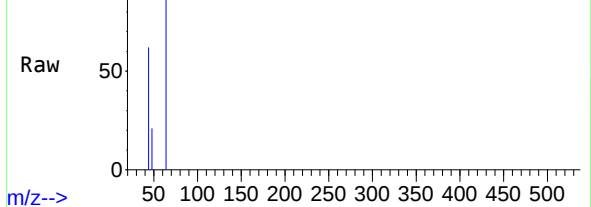


Abundance Scan 198 (3.118 min): VN080130.D\data.ms (-18



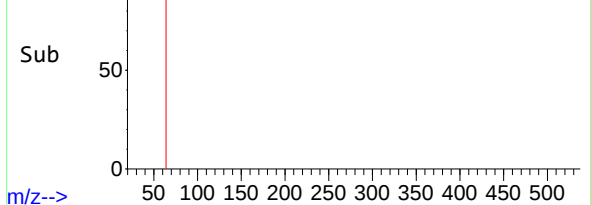
m/z-->

Abundance Scan 196 (3.106 min): VN080268.D\data.ms



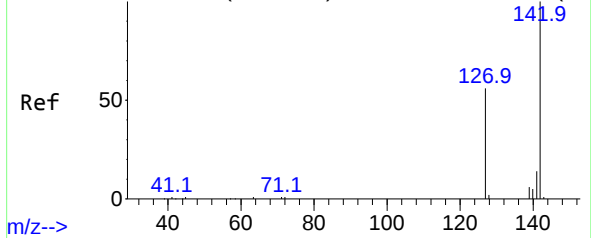
m/z-->

Abundance Scan 196 (3.106 min): VN080268.D\data.ms (-14



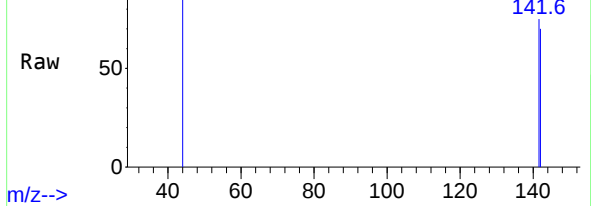
m/z-->

Abundance Scan 448 (4.589 min): VN080130.D\data.ms (-43



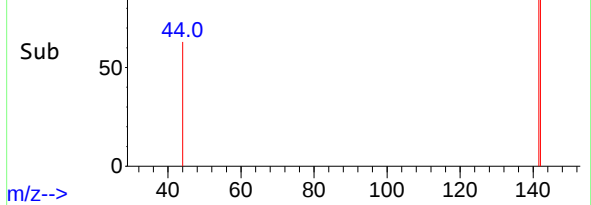
m/z-->

Abundance Scan 448 (4.589 min): VN080268.D\data.ms



m/z-->

Abundance Scan 448 (4.589 min): VN080268.D\data.ms (-39



m/z-->

#6

Chloroethane

Concen: Below Cal

RT: 3.106 min Scan# 196

Delta R.T. -0.012 min

Lab File: VN080268.D

Acq: 27 Nov 2023 11:40

Instrument :

MSVOA_N

ClientSampleId :

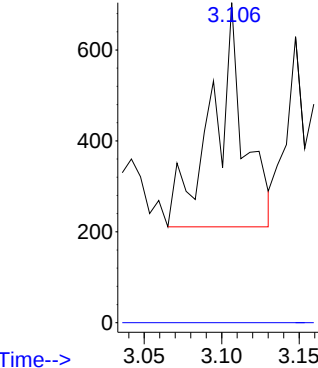
Tgt Ion: 64 Resp: 702

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#

Abundance



Time-->

#10

Methyl Iodide

Concen: 0.445 ug/l

RT: 4.589 min Scan# 448

Delta R.T. -0.000 min

Lab File: VN080268.D

Acq: 27 Nov 2023 11:40

Tgt Ion:142 Resp: 891

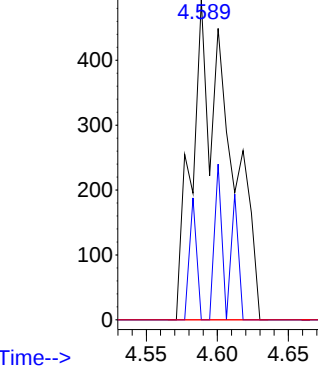
Ion Ratio Lower Upper

142 100

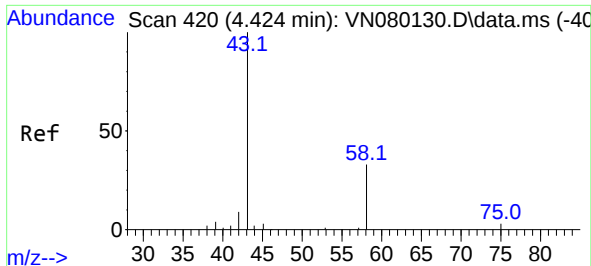
127 0.0 37.6 56.4#

141 0.0 11.4 17.0#

Abundance



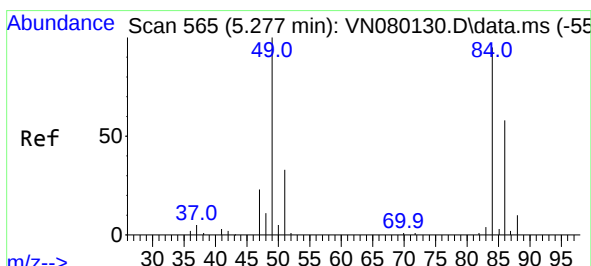
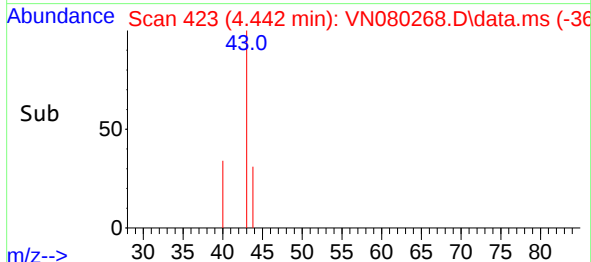
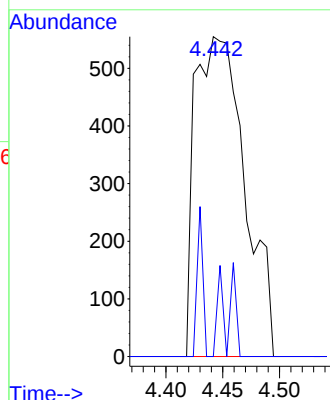
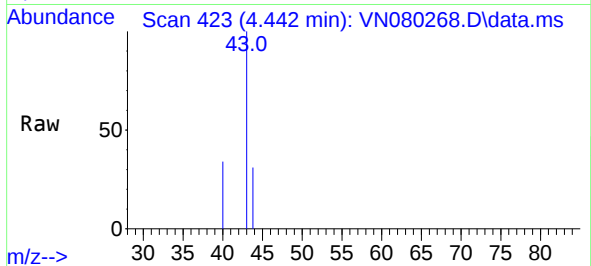
Time-->



#16
Acetone
Concen: 1.860 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

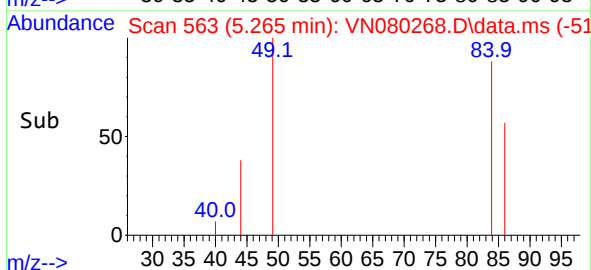
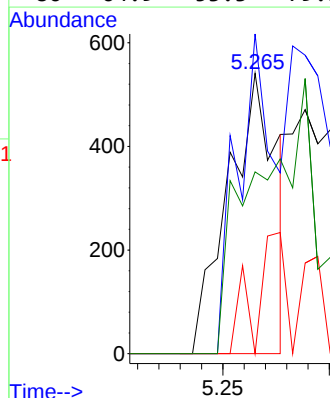
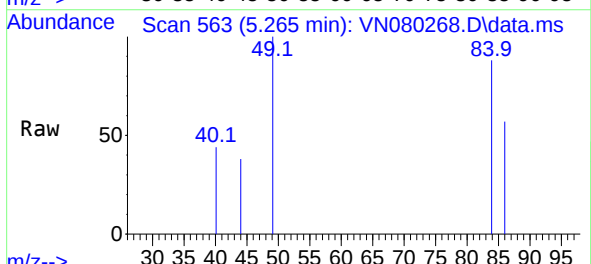
Instrument :
MSVOA_N
ClientSampleId :

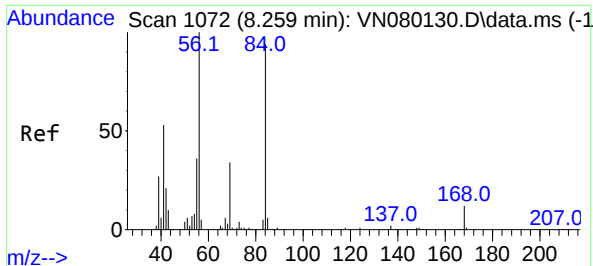
Tgt Ion: 43 Resp: 1692
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: 0.447 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

Tgt Ion: 84 Resp: 851
Ion Ratio Lower Upper
84 100
49 114.0 79.7 119.5
51 0.0 25.2 37.8#
86 64.9 53.3 79.9





#31

Cyclohexane

Concen: 1.294 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

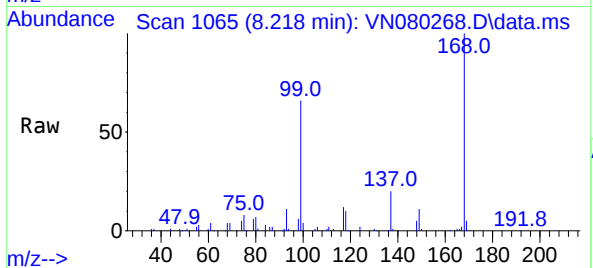
Lab File: VN080268.D

Acq: 27 Nov 2023 11:40

Instrument :

MSVOA_N

ClientSampleId :



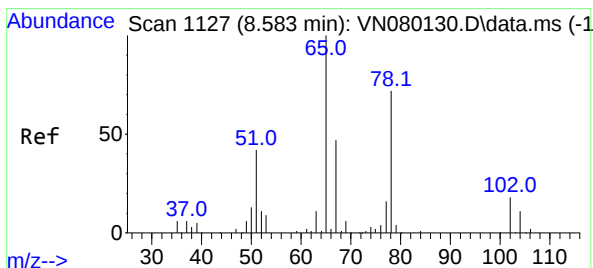
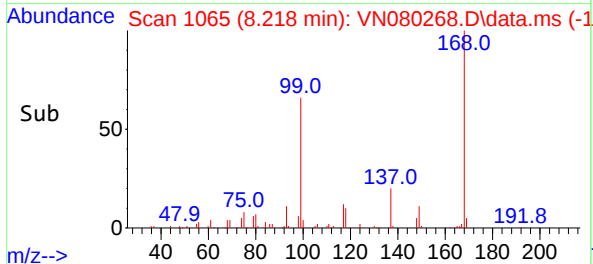
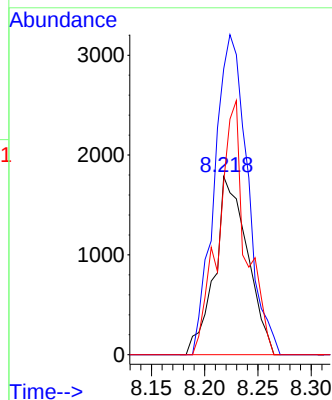
Tgt Ion: 56 Resp: 3811

Ion Ratio Lower Upper

56 100

69 160.5 26.8 40.2#

84 96.9 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 54.520 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080268.D

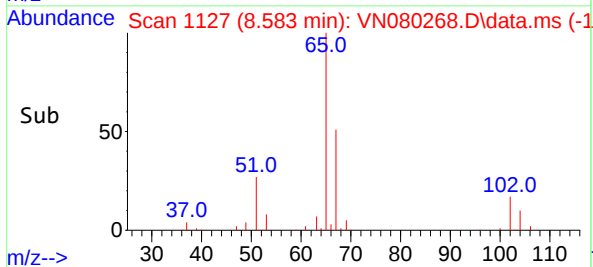
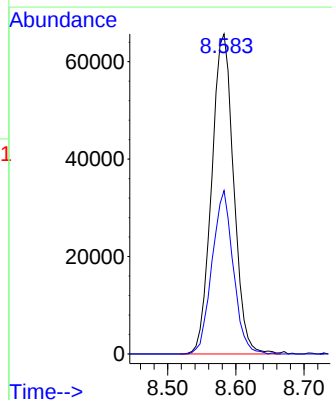
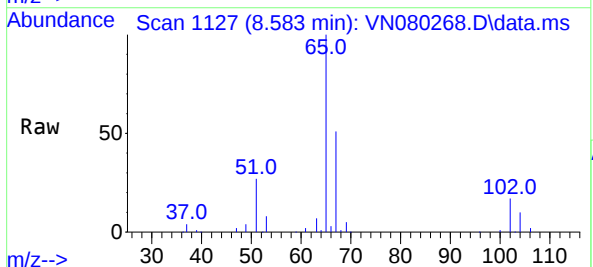
Acq: 27 Nov 2023 11:40

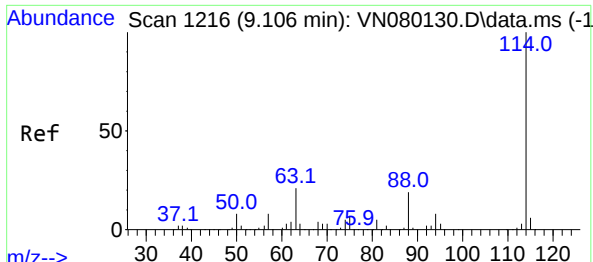
Tgt Ion: 65 Resp: 147660

Ion Ratio Lower Upper

65 100

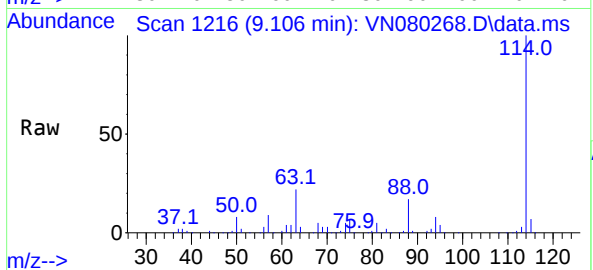
67 49.3 0.0 106.6



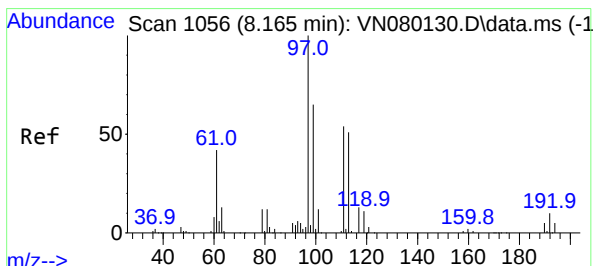
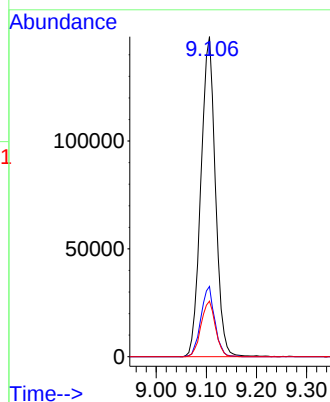
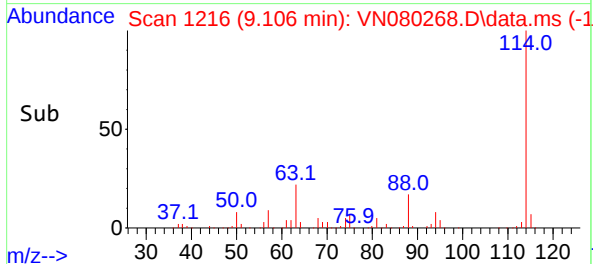


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

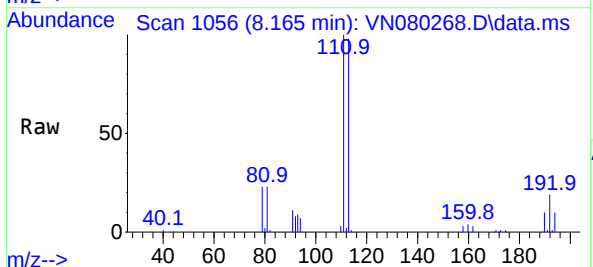
Instrument :
MSVOA_N
ClientSampleId :



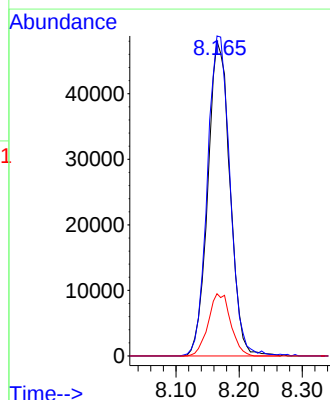
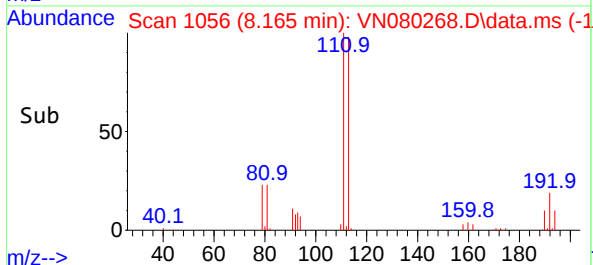
Tgt Ion:114 Resp: 298542
Ion Ratio Lower Upper
114 100
63 21.9 0.0 36.4
88 17.4 0.0 30.6

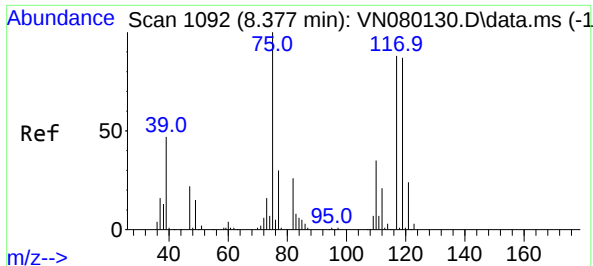


#35
Dibromofluoromethane
Concen: 52.933 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40



Tgt Ion:113 Resp: 116604
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 20.0 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.321 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN080268.D

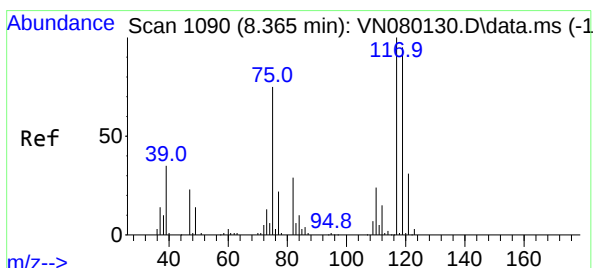
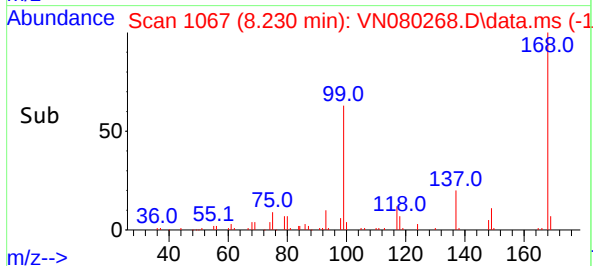
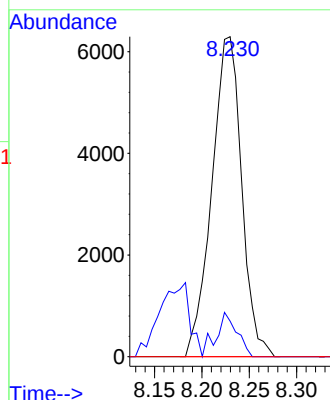
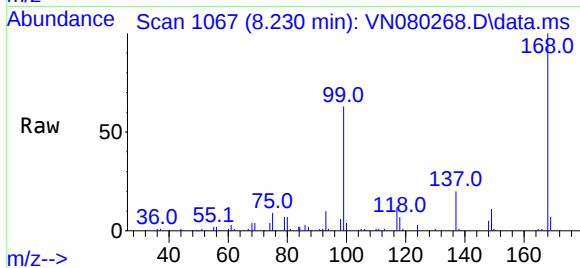
Acq: 27 Nov 2023 11:40

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	13780
Ion	Ratio	Lower	Upper
75	100		
110	9.6	19.1	57.3#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 4.690 ug/l

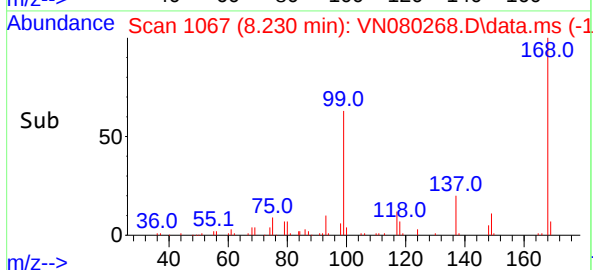
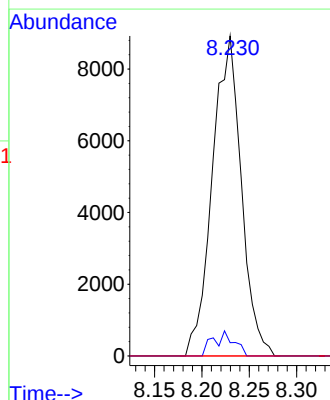
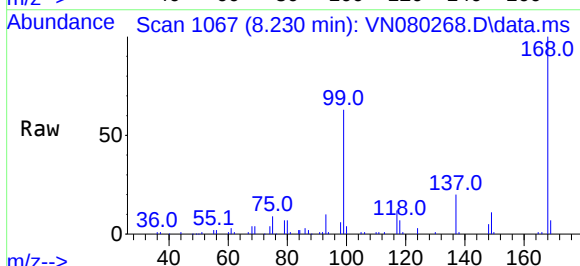
RT: 8.230 min Scan# 1067

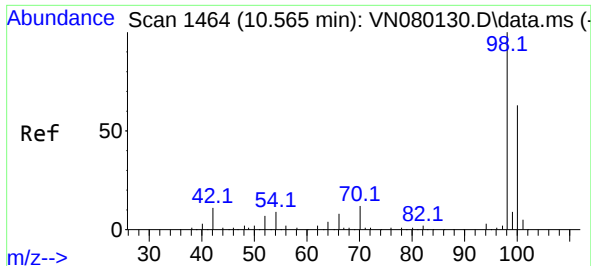
Delta R.T. -0.135 min

Lab File: VN080268.D

Acq: 27 Nov 2023 11:40

Tgt Ion:	117	Resp:	18980
Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.3	115.9#
121	0.0	23.3	34.9#

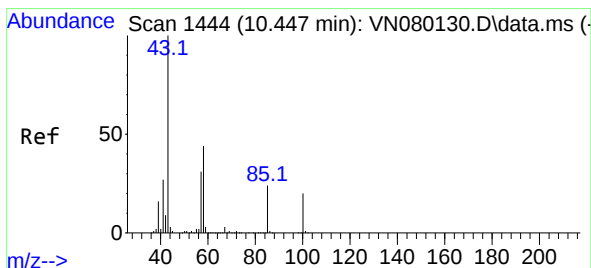
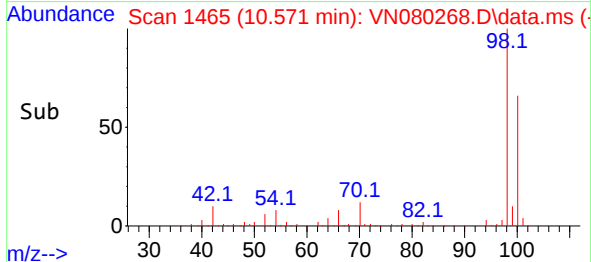
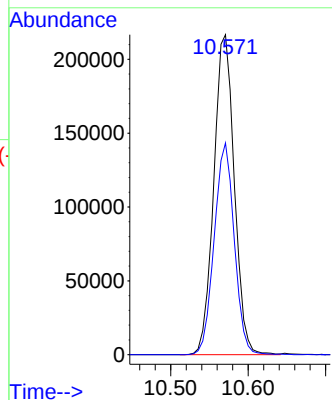
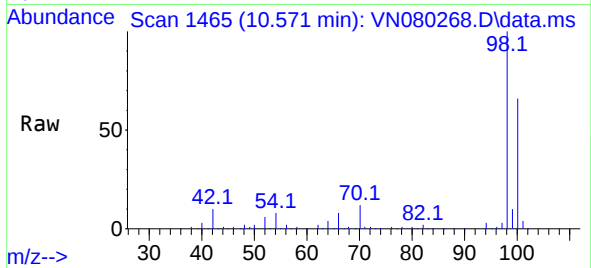




#50
Toluene-d8
Concen: 50.283 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

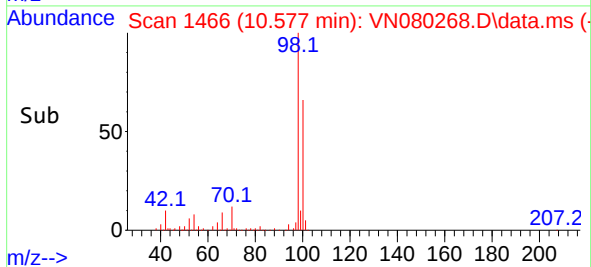
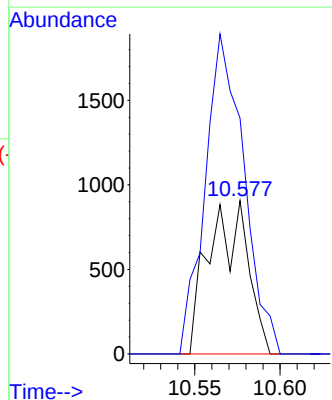
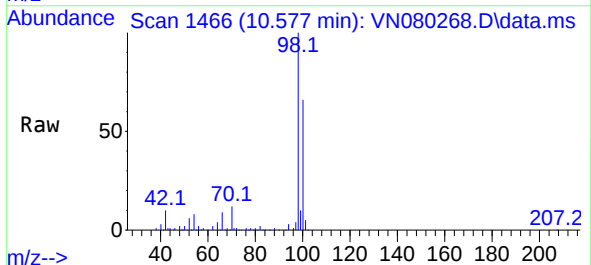
Instrument :
MSVOA_N
ClientSampleId :

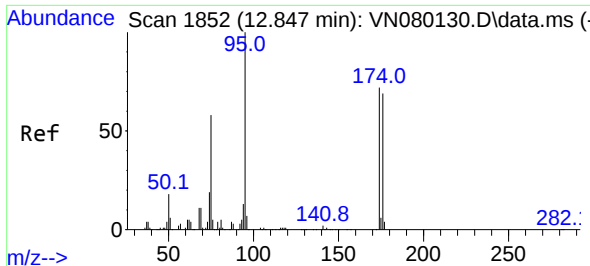
Tgt Ion: 98 Resp: 399292
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.647 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.129 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

Tgt Ion: 43 Resp: 1442
Ion Ratio Lower Upper
43 100
58 208.2 36.6 54.8#

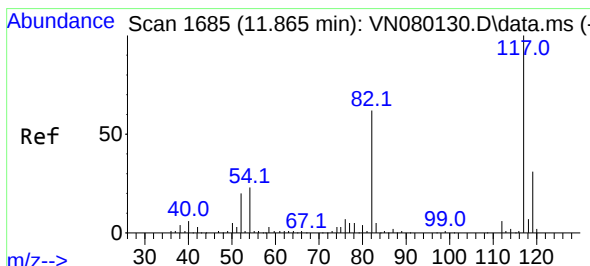
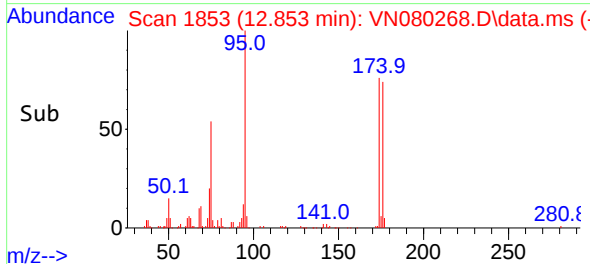
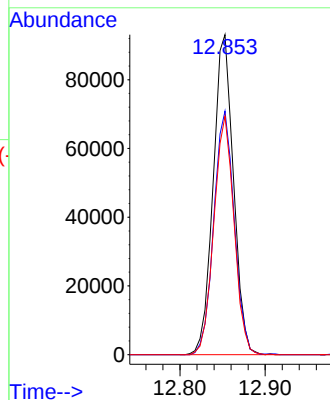
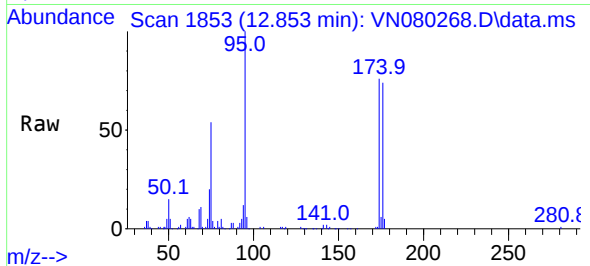




#62
4-Bromofluorobenzene
Concen: 51.323 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

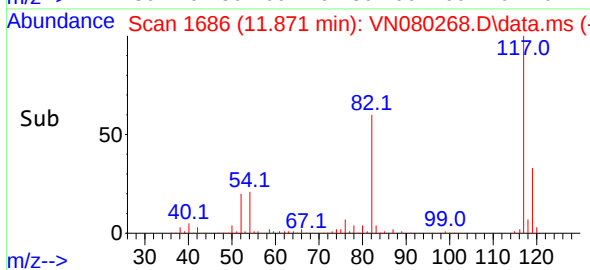
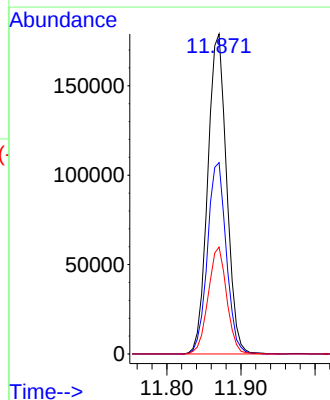
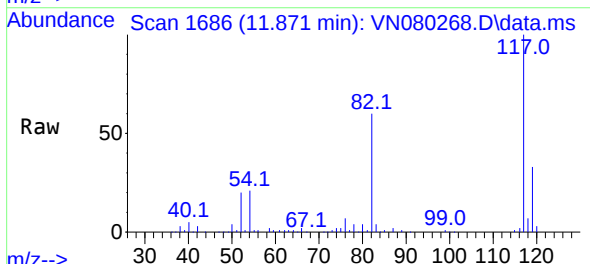
Instrument :
MSVOA_N
ClientSampleId :

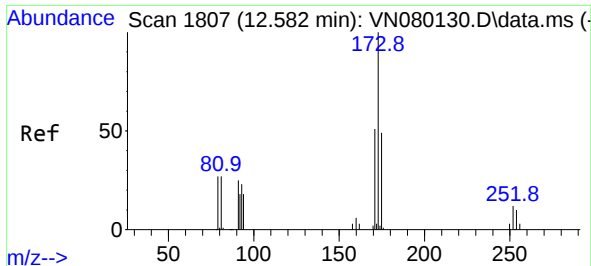
Tgt Ion: 95 Resp: 153938
Ion Ratio Lower Upper
95 100
174 77.0 0.0 143.8
176 74.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

Tgt Ion: 117 Resp: 317248
Ion Ratio Lower Upper
117 100
82 59.8 44.0 66.0
119 33.4 25.6 38.4

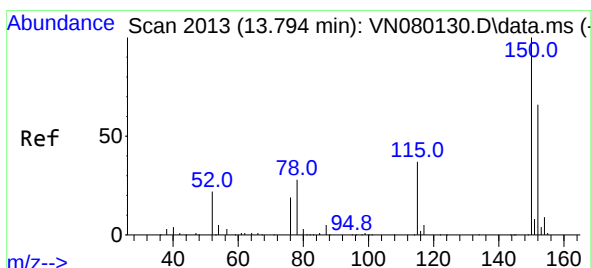
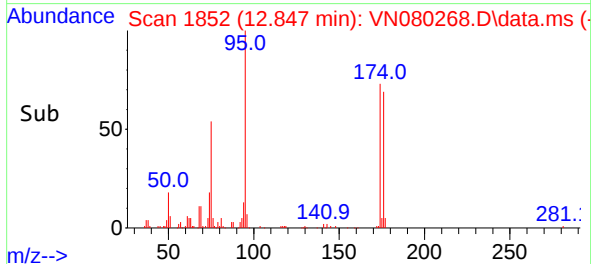
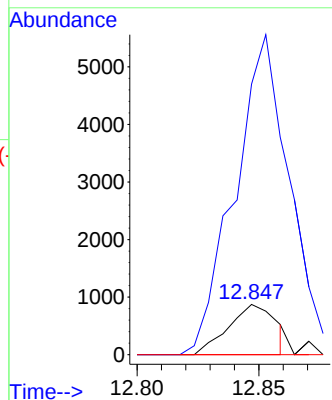
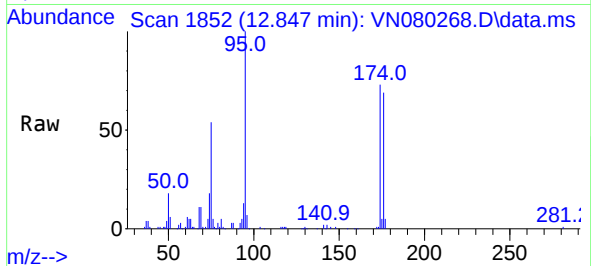




#71
Bromoform
Concen: 0.574 ug/l
RT: 12.847 min Scan# 1188
Delta R.T. 0.265 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

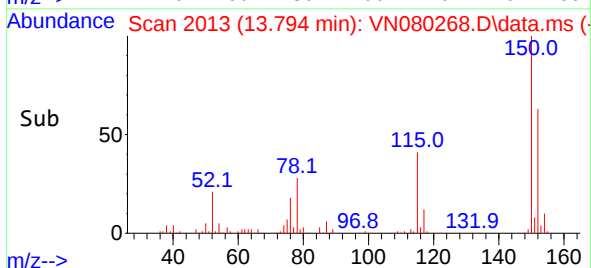
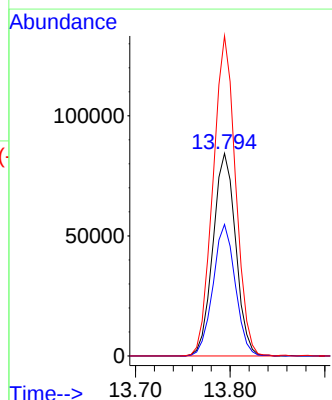
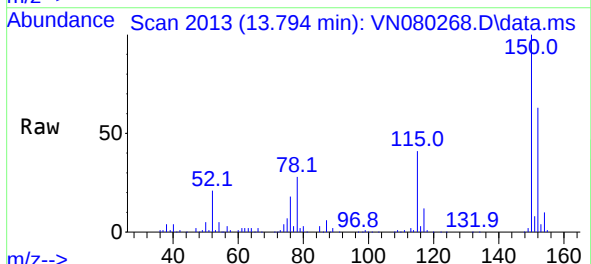
Instrument :
MSVOA_N
ClientSampleId :

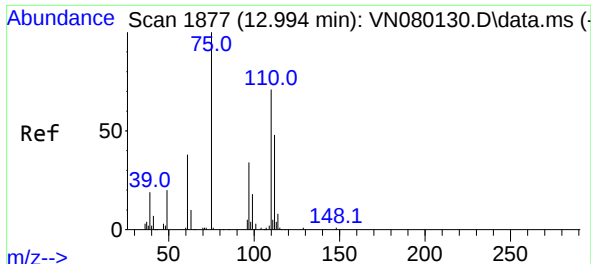
Tgt Ion:173 Resp: 1188
Ion Ratio Lower Upper
173 100
175 600.3 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

Tgt Ion:152 Resp: 140364
Ion Ratio Lower Upper
152 100
115 63.9 32.3 96.8
150 157.1 0.0 355.8

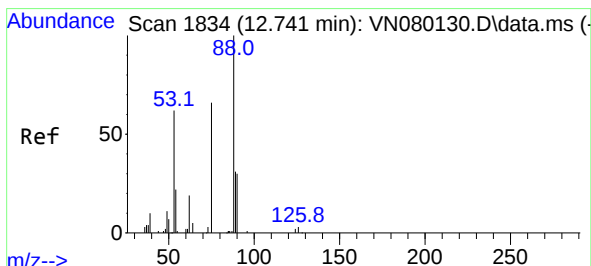
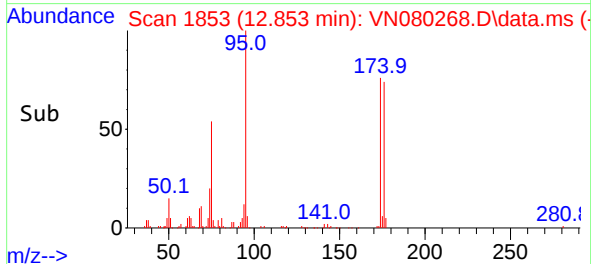
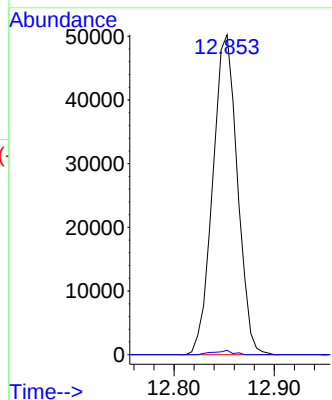
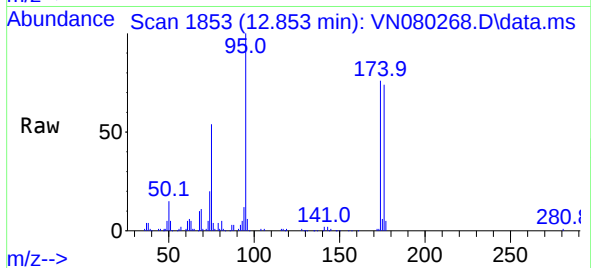




#76
1,2,3-Trichloropropane
Concen: 24.887 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

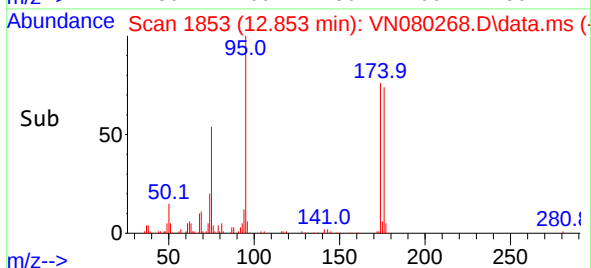
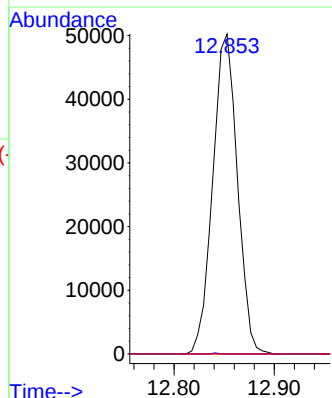
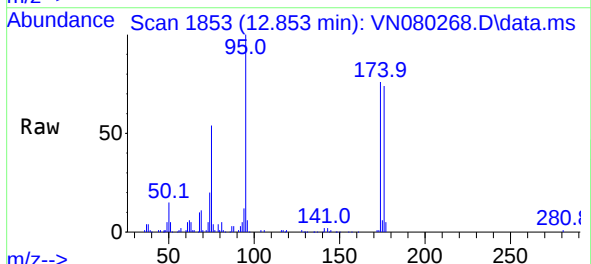
Instrument :
MSVOA_N
ClientSampleId :

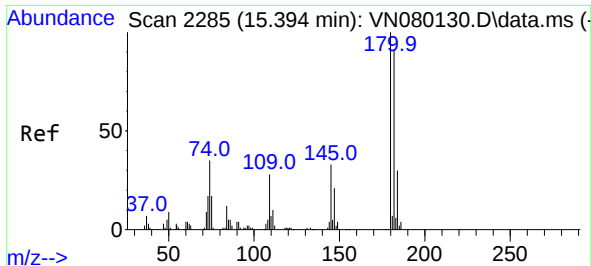
Tgt Ion: 75 Resp: 85590
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.083 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

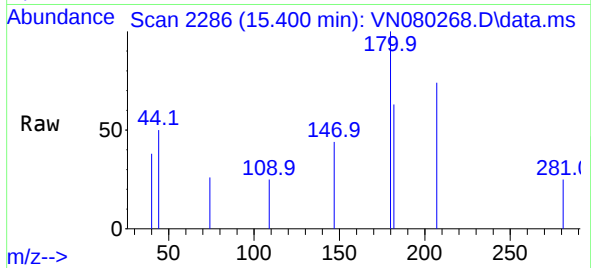
Tgt Ion: 75 Resp: 85590
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



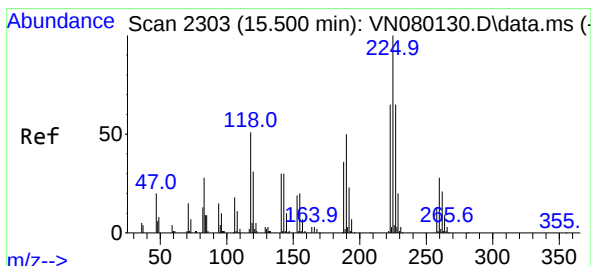
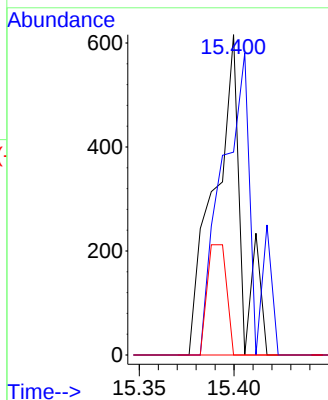
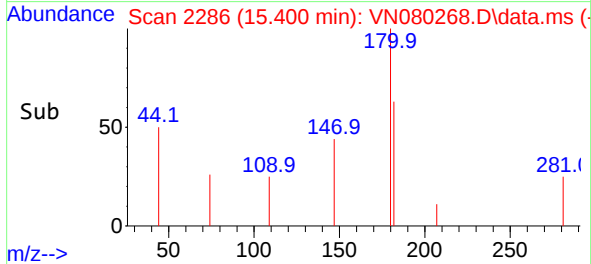


#93
1,2,4-Trichlorobenzene
Concen: 0.223 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

Instrument :
MSVOA_N
ClientSampleId :

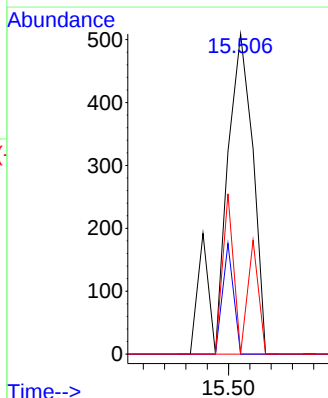
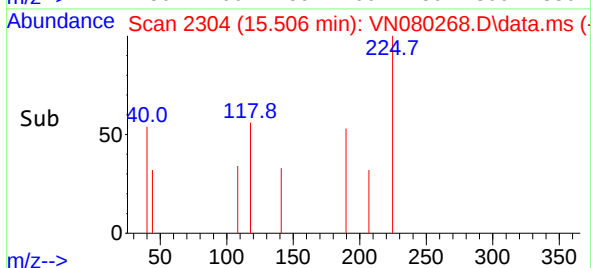
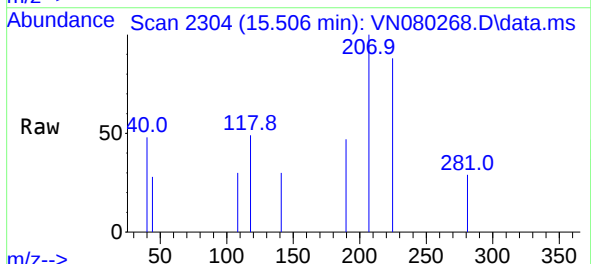


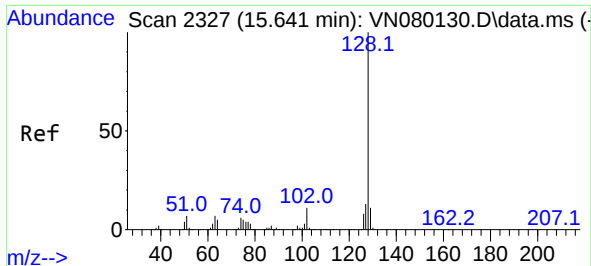
Tgt Ion:180 Resp: 614
Ion Ratio Lower Upper
180 100
182 106.5 46.1 138.2
145 24.4 16.6 49.8



#94
Hexachlorobutadiene
Concen: 0.300 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

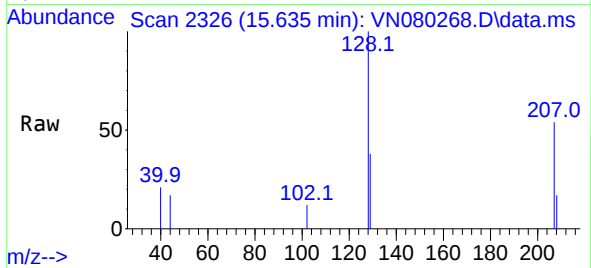
Tgt Ion:225 Resp: 476
Ion Ratio Lower Upper
225 100
223 13.0 31.3 93.8#
227 32.4 31.9 95.9



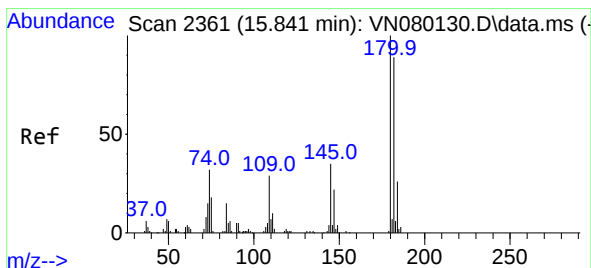
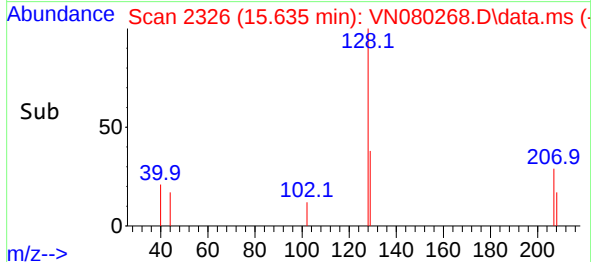
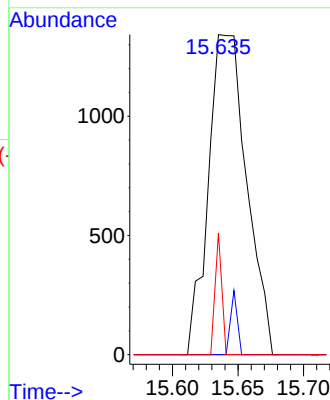


#95
Naphthalene
Concen: 0.342 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 2738
Ion Ratio Lower Upper
128 100
127 3.5 10.0 15.0#
129 6.6 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.295 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.006 min
Lab File: VN080268.D
Acq: 27 Nov 2023 11:40

Tgt Ion:180 Resp: 762
Ion Ratio Lower Upper
180 100
182 109.3 46.2 138.6
145 11.2 17.5 52.6#

