

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012224\
 Data File : VN080733.D
 Acq On : 22 Jan 2024 12:19
 Operator : JC\MD
 Sample : VN0122WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 23 03:53:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 06:34:36 2024
 Response via : Initial Calibration

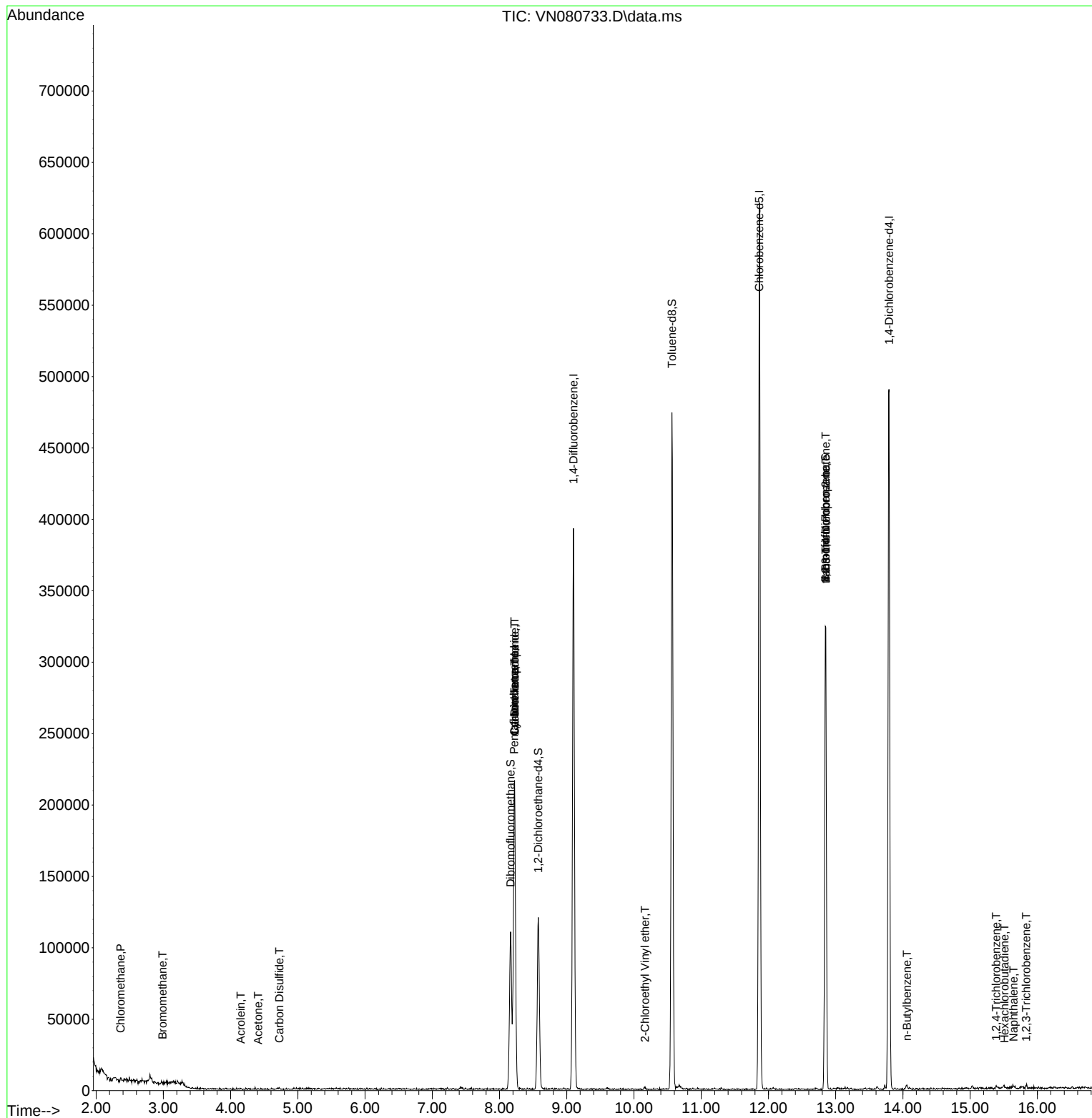
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	137810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	315321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	92185	38.092	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	76.180%
35) Dibromofluoromethane	8.165	113	76528	43.975	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.960%
50) Toluene-d8	10.565	98	312562	47.103	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.200%
62) 4-Bromofluorobenzene	12.847	95	118533	46.582	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2180	0.204	ug/l	96
5) Bromomethane	2.989	94	315	0.408	ug/l #	72
6) Chloroethane	3.083	64	86	Below Cal	#	43
13) Acrolein	4.153	56	191	0.559	ug/l #	1
16) Acetone	4.412	43	358	0.451	ug/l #	40
17) Carbon Disulfide	4.724	76	1587	0.252	ug/l #	75
31) Cyclohexane	8.224	56	4989	1.334	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	15061	4.225	ug/l #	51
38) Carbon Tetrachloride	8.224	117	16018	5.004	ug/l #	17
58) 2-Chloroethyl Vinyl ether	10.165	63	636	0.335	ug/l #	42
71) Bromoform	12.847	173	644	0.383	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	67834	18.417	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67834	43.416	ug/l #	15
89) n-Butylbenzene	14.059	91	2197	0.268	ug/l #	46
92) 1,2-Dibromo-3-Chloropr...	14.735	75	53	Below Cal	#	4
93) 1,2,4-Trichlorobenzene	15.388	180	710	0.336	ug/l	98
94) Hexachlorobutadiene	15.511	225	355	0.350	ug/l	76
95) Naphthalene	15.647	128	2773	0.333	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.835	180	894	0.437	ug/l	88

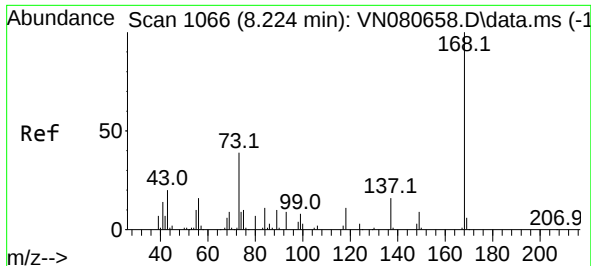
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 23 03:53:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 06:34:36 2024
Response via : Initial Calibration

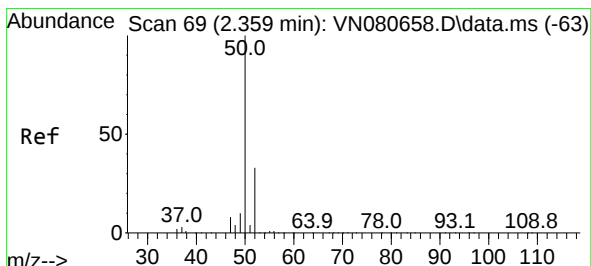
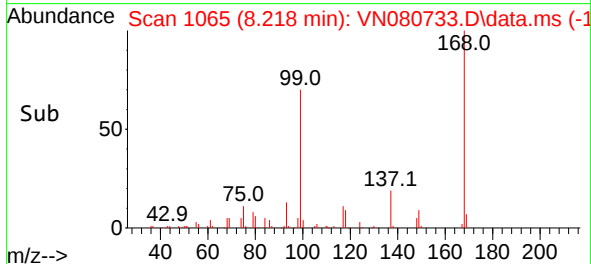
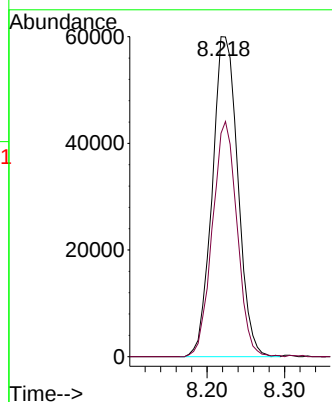
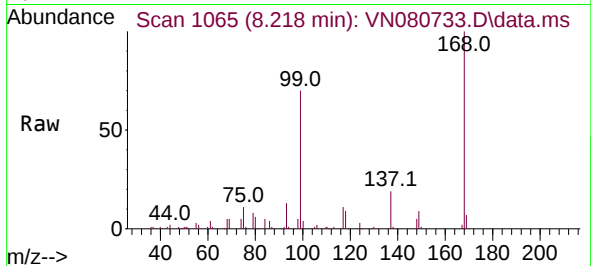




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

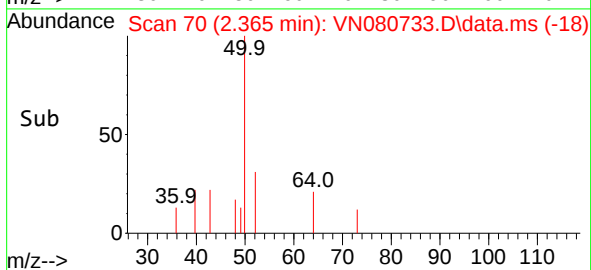
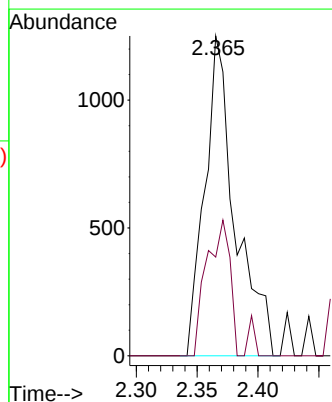
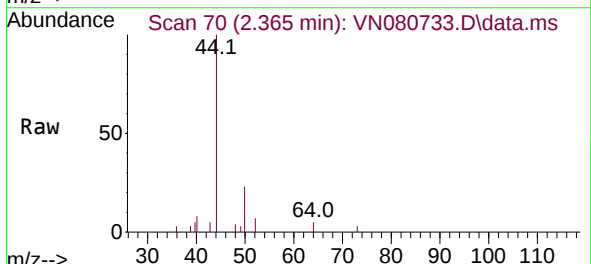
Instrument :
MSVOA_N
ClientSampleId :

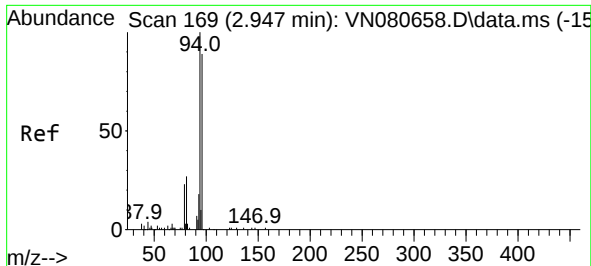
Tgt Ion:168 Resp: 137810
Ion Ratio Lower Upper
168 100
99 69.8 53.0 79.6



#3
Chloromethane
Concen: 0.204 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

Tgt Ion: 50 Resp: 2180
Ion Ratio Lower Upper
50 100
52 30.9 26.5 39.7

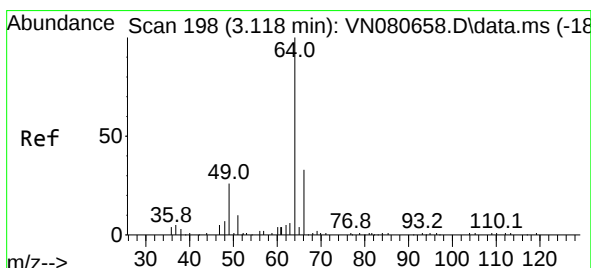
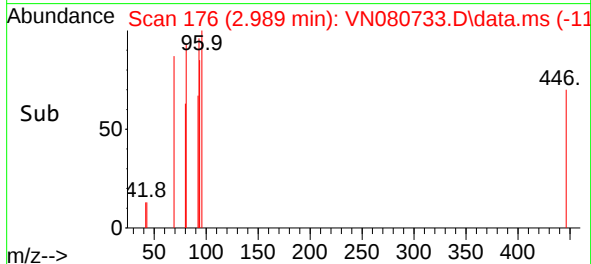
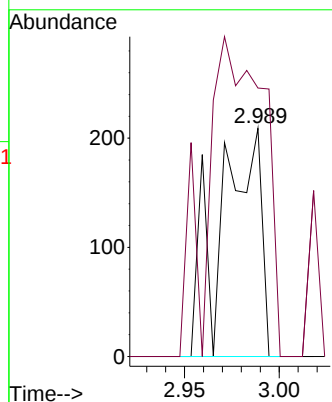
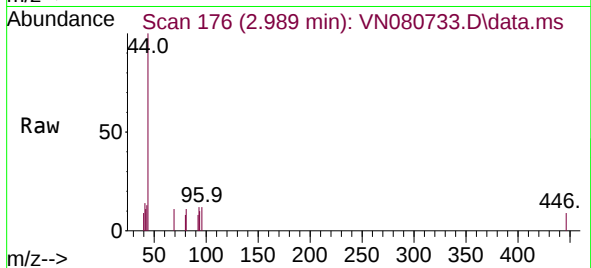




#5
Bromomethane
Concen: 0.408 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

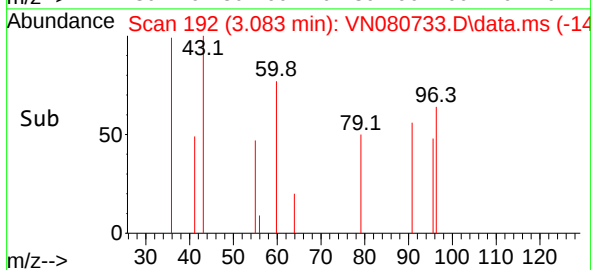
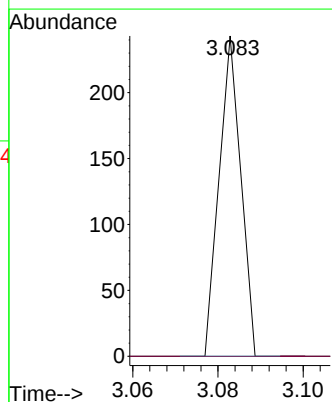
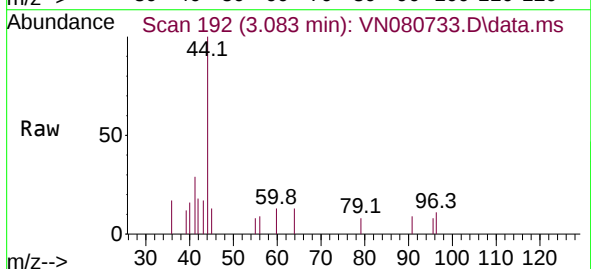
Instrument :
MSVOA_N
ClientSampleId :

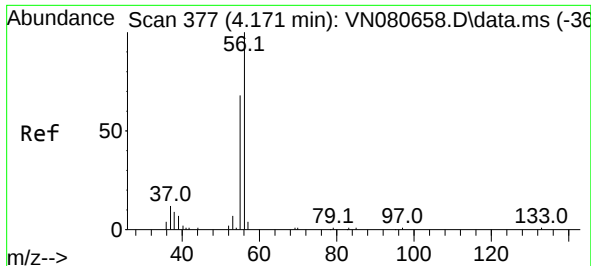
Tgt Ion: 94 Resp: 315
Ion Ratio Lower Upper
94 100
96 117.7 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.083 min Scan# 192
Delta R.T. -0.035 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

Tgt Ion: 64 Resp: 86
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

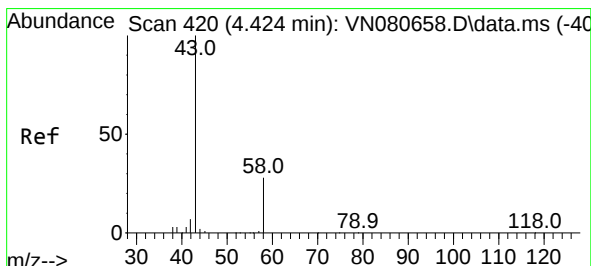
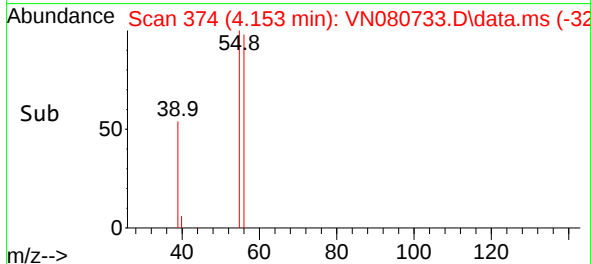
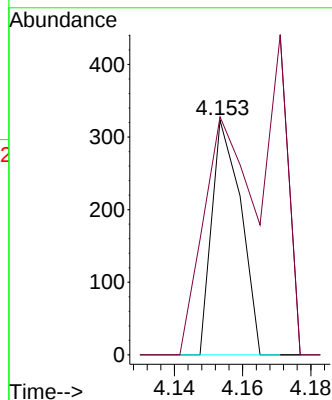
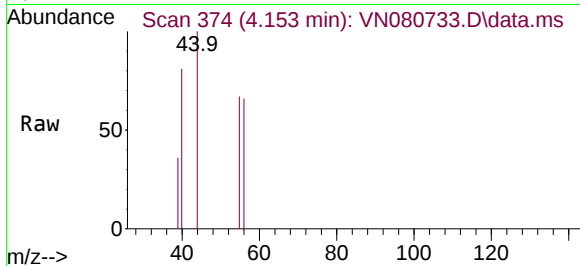




#13
Acrolein
Concen: 0.559 ug/l
RT: 4.153 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

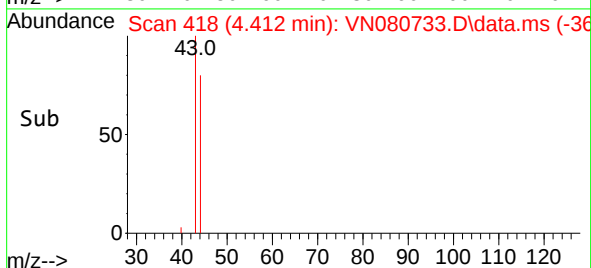
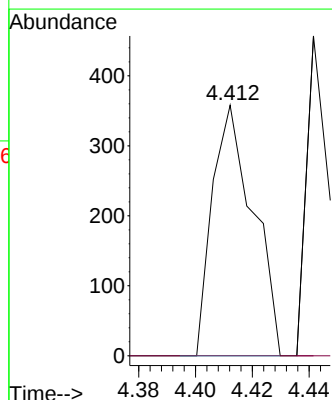
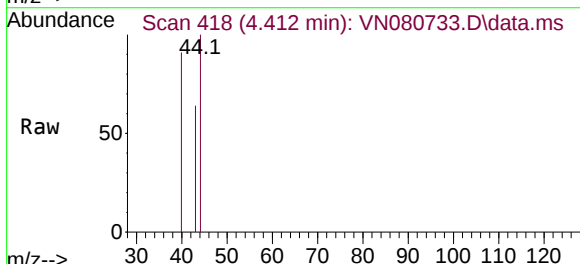
Instrument :
MSVOA_N
ClientSampleId :

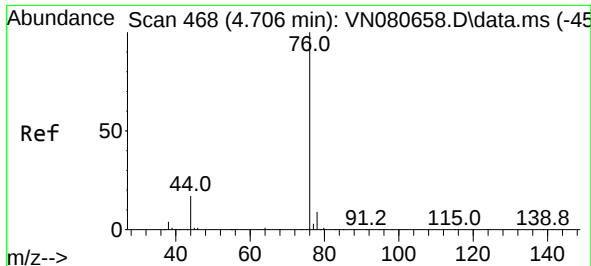
Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 252.9 54.5 81.7#



#16
Acetone
Concen: 0.451 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.012 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

Tgt Ion: 43 Resp: 358
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

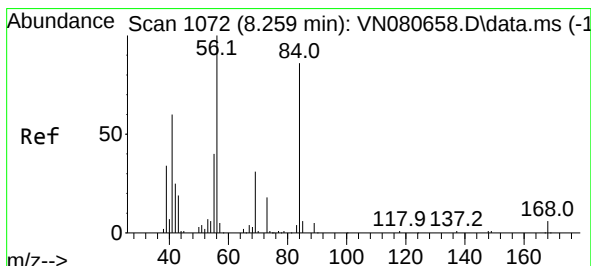
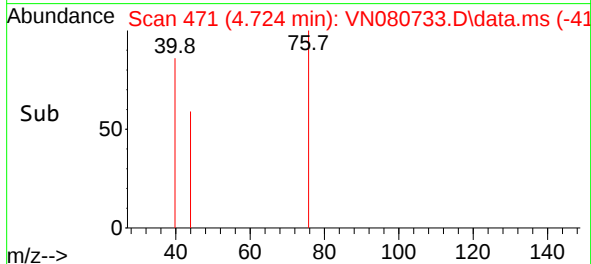
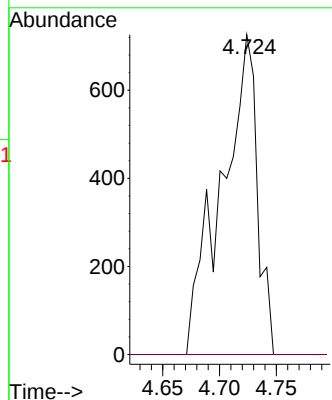
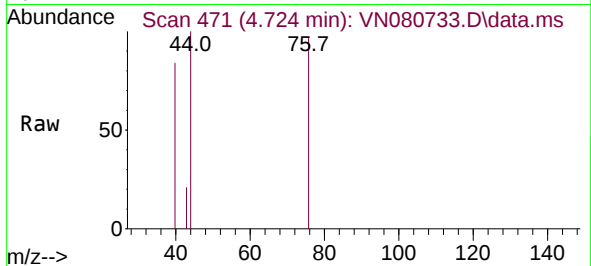




#17
Carbon Disulfide
Concen: 0.252 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

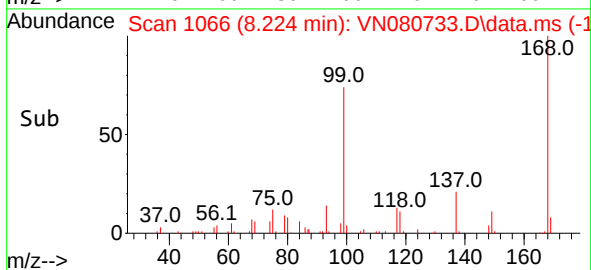
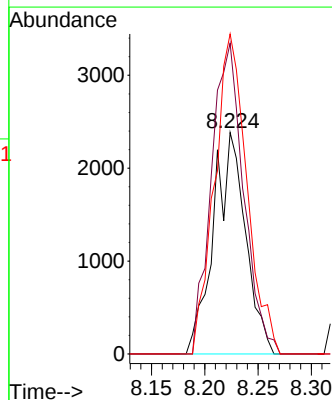
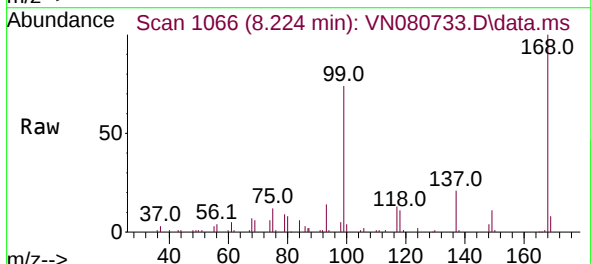
Instrument :
MSVOA_N
ClientSampleId :

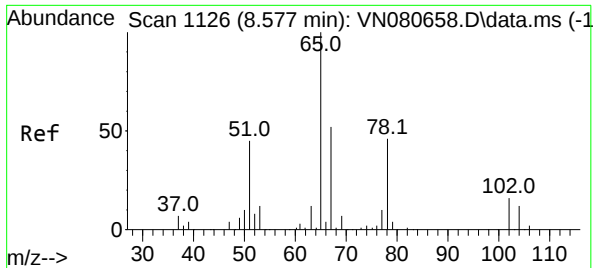
Tgt Ion: 76 Resp: 1587
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#31
Cyclohexane
Concen: 1.334 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

Tgt Ion: 56 Resp: 4989
Ion Ratio Lower Upper
56 100
69 140.3 26.8 40.2#
84 144.5 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 38.092 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN080733.D

Acq: 22 Jan 2024 12:19

Instrument :

MSVOA_N

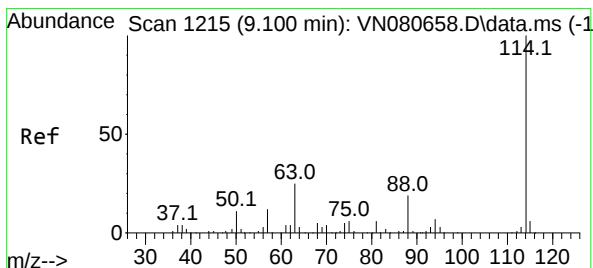
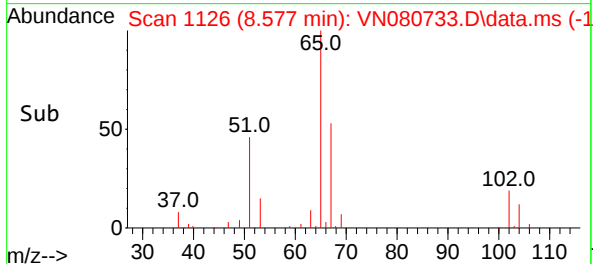
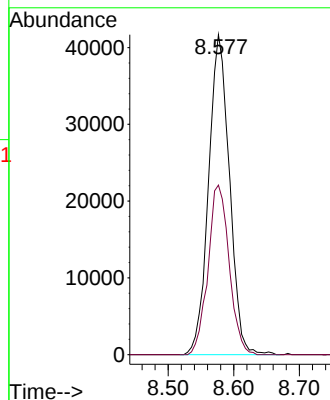
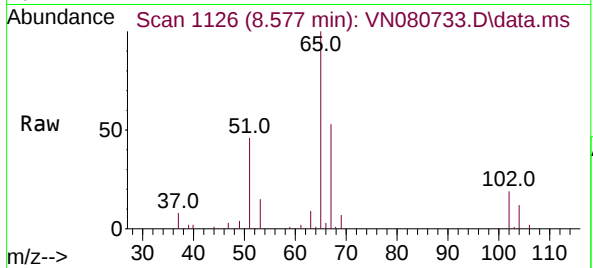
ClientSampleId :

Tgt Ion: 65 Resp: 92185

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080733.D

Acq: 22 Jan 2024 12:19

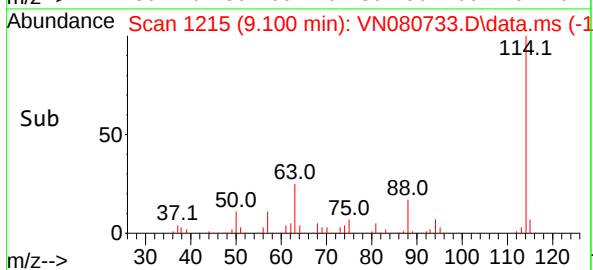
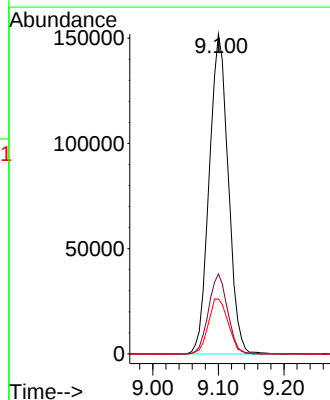
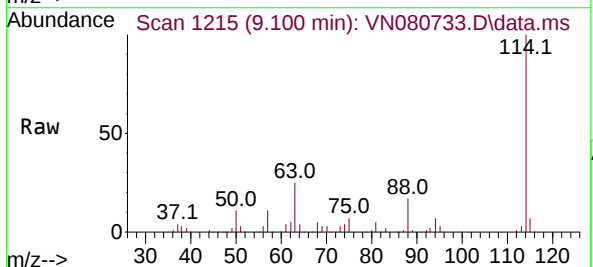
Tgt Ion: 114 Resp: 306287

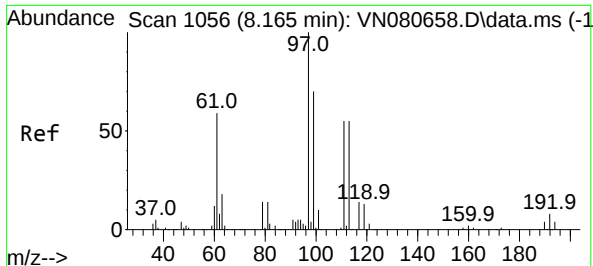
Ion Ratio Lower Upper

114 100

63 25.0 0.0 36.4

88 17.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 43.975 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

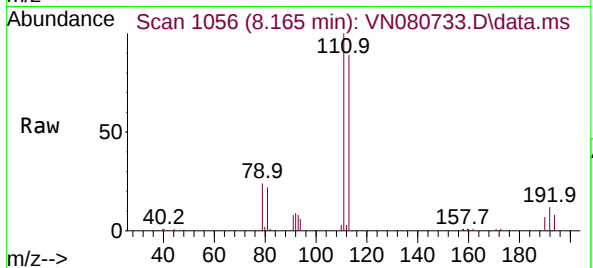
Lab File: VN080733.D

Acq: 22 Jan 2024 12:19

Instrument :

MSVOA_N

ClientSampleId :



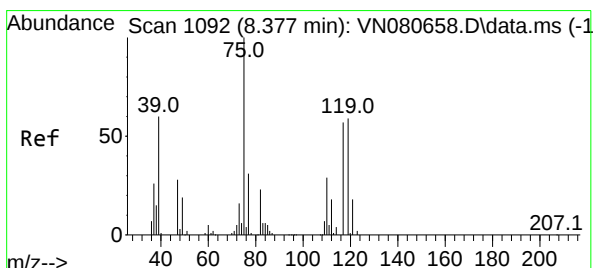
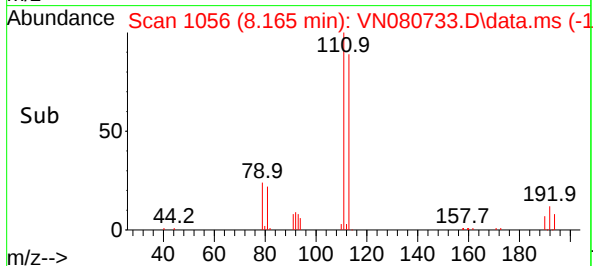
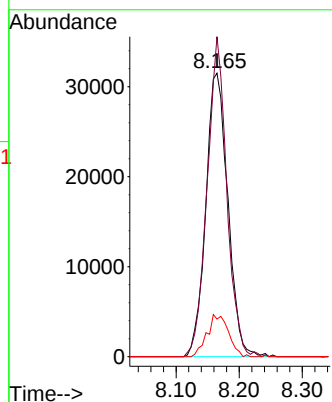
Tgt Ion:113 Resp: 76528

Ion Ratio Lower Upper

113 100

111 100.7 82.6 123.8

192 14.4 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.225 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN080733.D

Acq: 22 Jan 2024 12:19

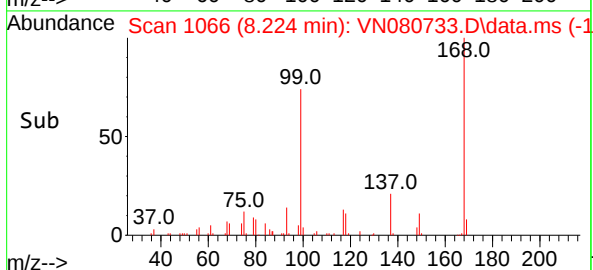
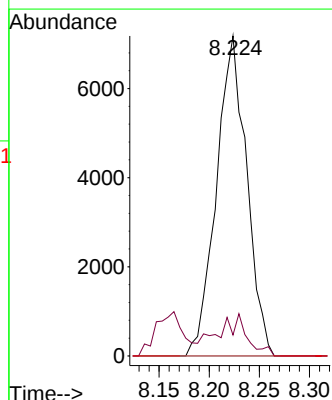
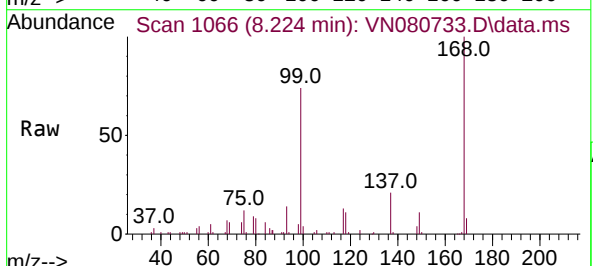
Tgt Ion: 75 Resp: 15061

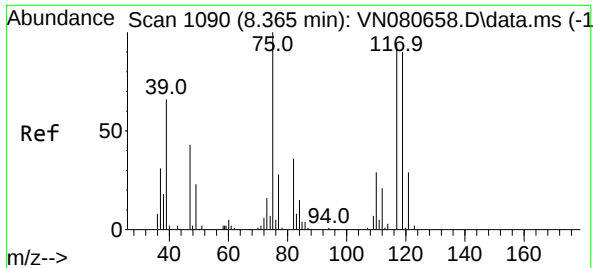
Ion Ratio Lower Upper

75 100

110 12.7 19.1 57.3#

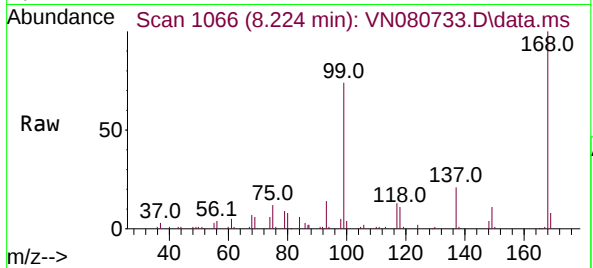
77 0.0 25.0 37.4#



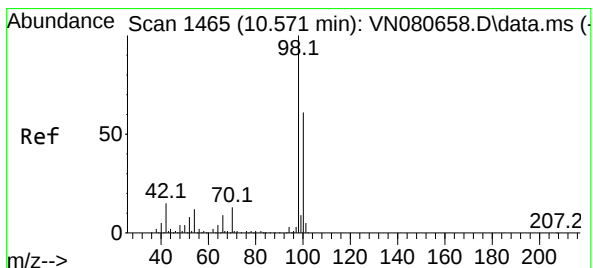
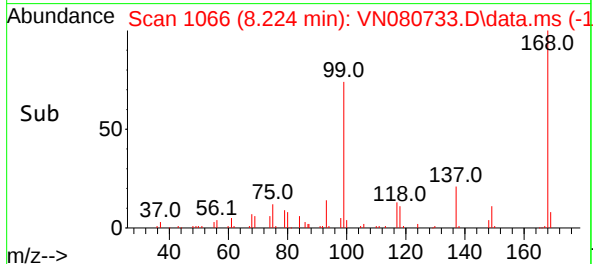
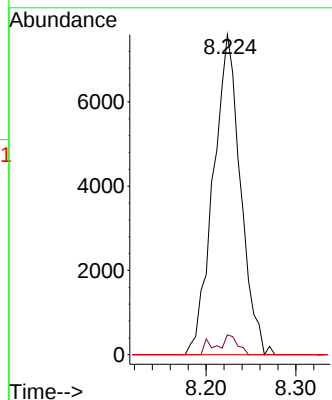


#38
Carbon Tetrachloride
Concen: 5.004 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

Instrument :
MSVOA_N
ClientSampleId :

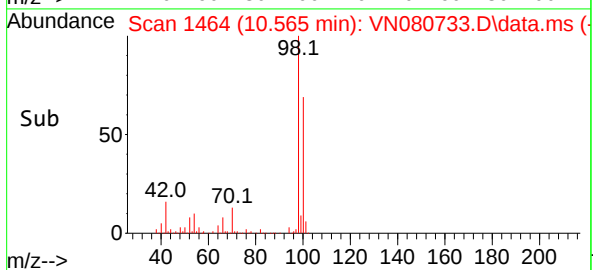
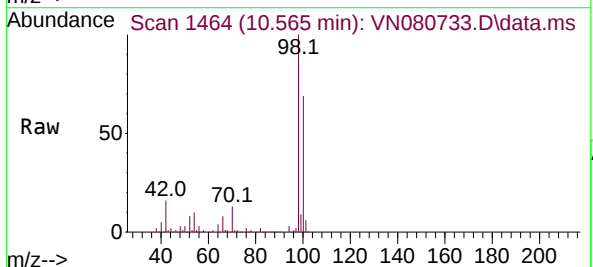
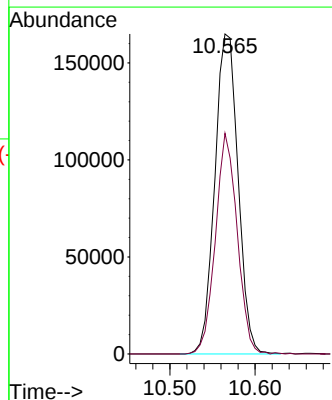


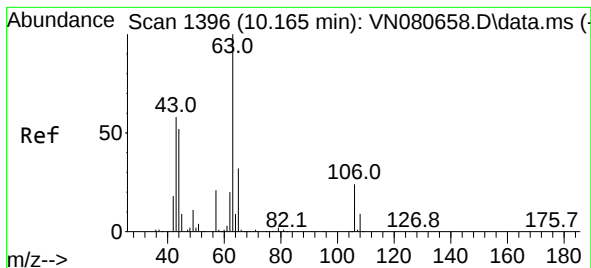
Tgt Ion:117 Resp: 16018
Ion Ratio Lower Upper
117 100
119 6.2 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 47.103 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

Tgt Ion: 98 Resp: 312562
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0

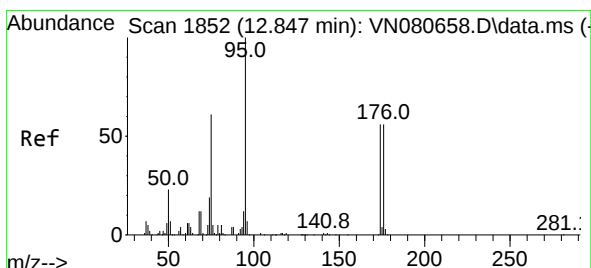
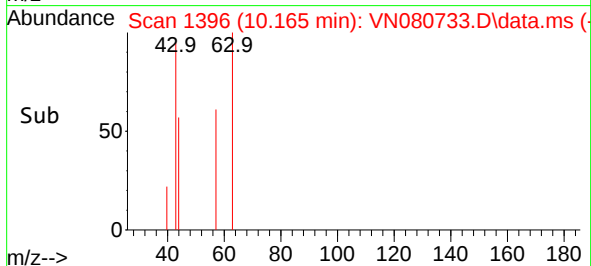
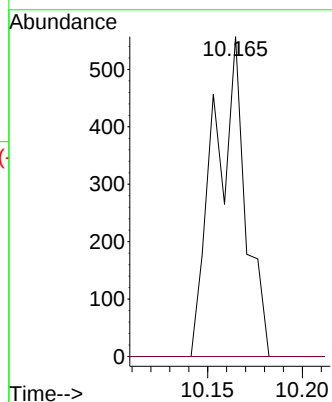
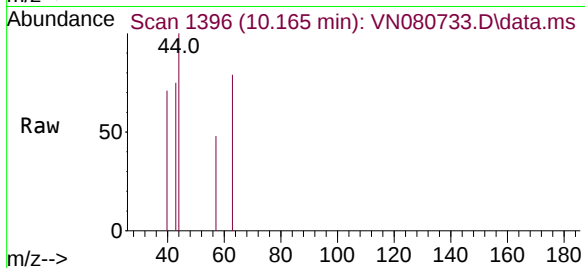




#58
2-Chloroethyl Vinyl ether
Concen: 0.335 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

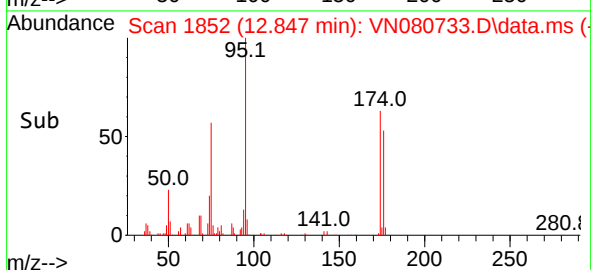
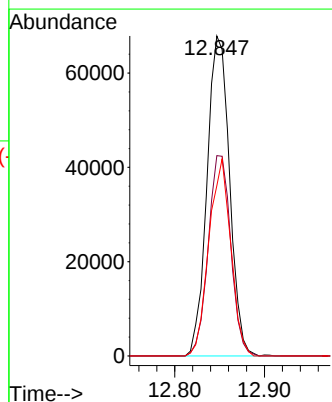
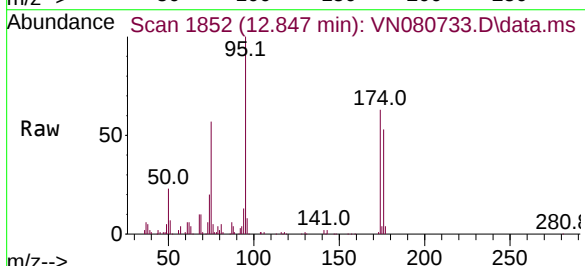
Instrument :
MSVOA_N
ClientSampleId :

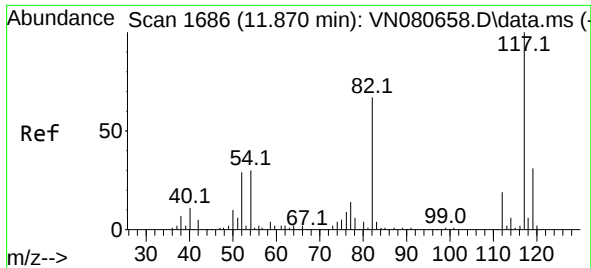
Tgt Ion: 63 Resp: 636
Ion Ratio Lower Upper
63 100
106 0.0 26.2 39.4#



#62
4-Bromofluorobenzene
Concen: 46.582 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

Tgt Ion: 95 Resp: 118533
Ion Ratio Lower Upper
95 100
174 62.5 0.0 143.8
176 59.9 0.0 135.8

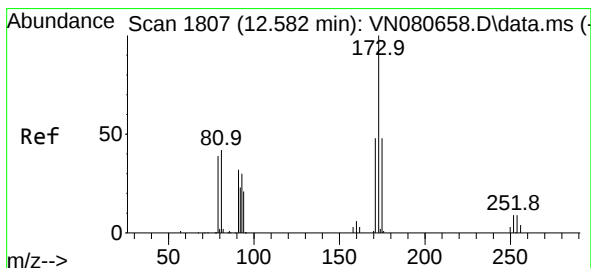
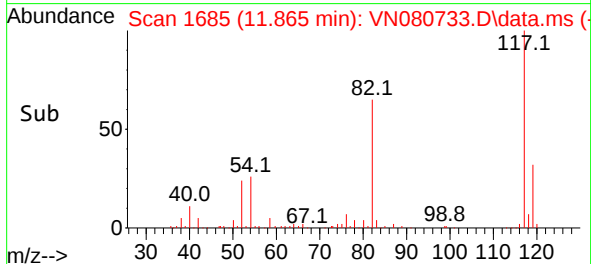
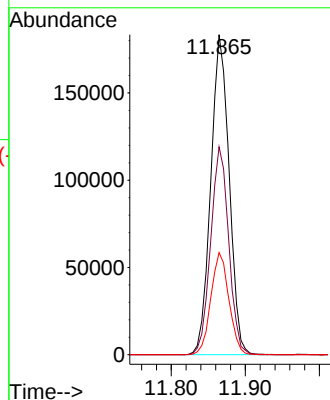
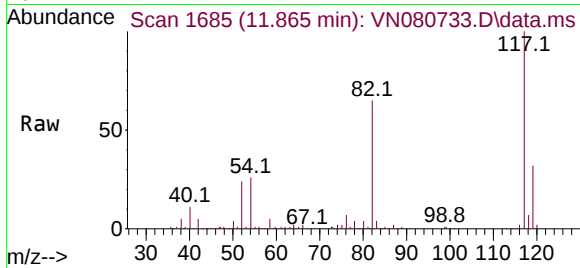




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

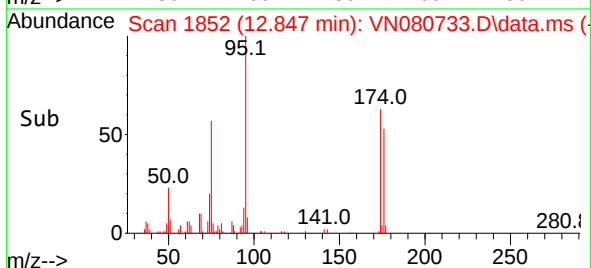
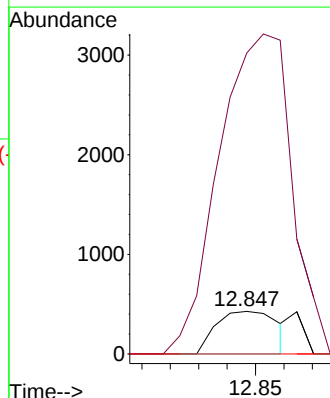
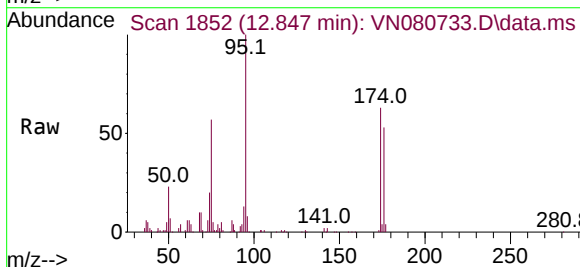
Instrument :
MSVOA_N
ClientSampleId :

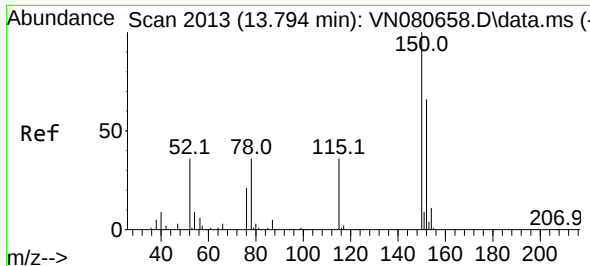
Tgt Ion:117 Resp: 315321
Ion Ratio Lower Upper
117 100
82 65.0 44.0 66.0
119 31.9 25.6 38.4



#71
Bromoform
Concen: 0.383 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

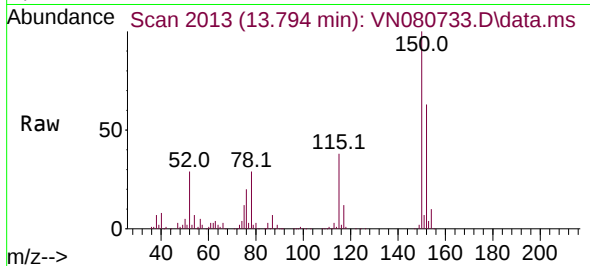
Tgt Ion:173 Resp: 644
Ion Ratio Lower Upper
173 100
175 790.7 24.3 73.0#
254 0.0 0.0 0.0



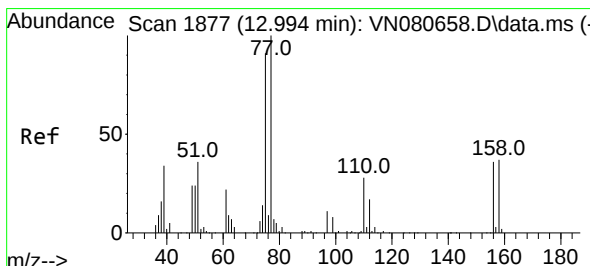
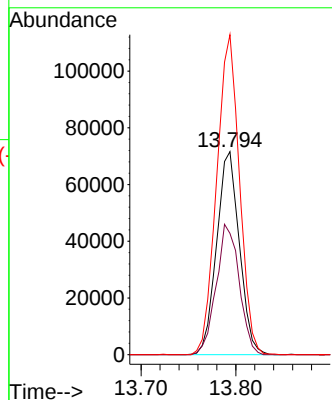
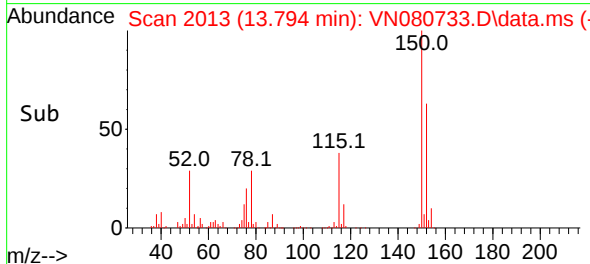


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

Instrument :
MSVOA_N
ClientSampleId :

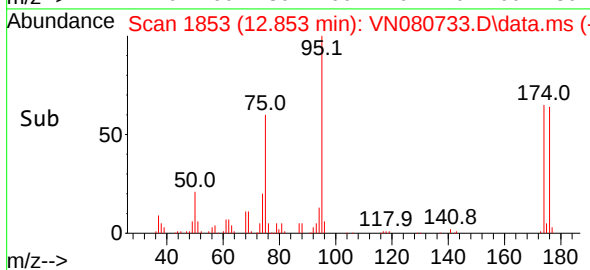
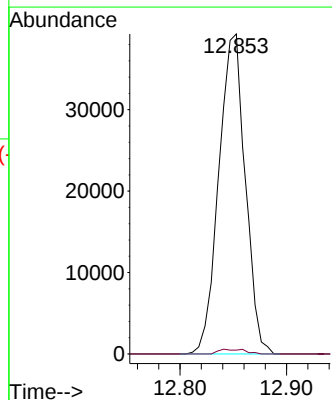
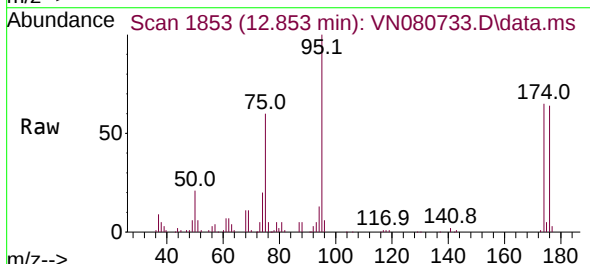


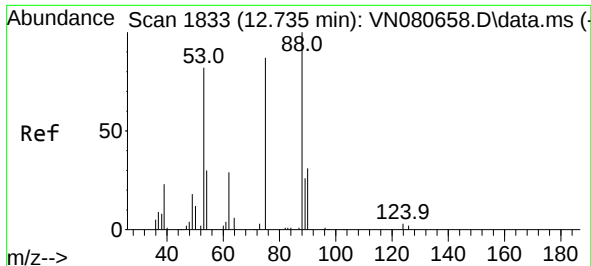
Tgt Ion:152 Resp: 119447
Ion Ratio Lower Upper
152 100
115 64.9 32.3 96.8
150 157.9 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 18.417 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

Tgt Ion: 75 Resp: 67834
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#

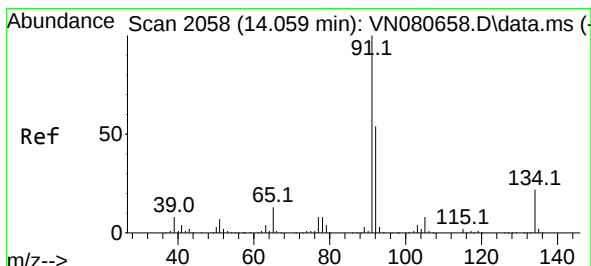
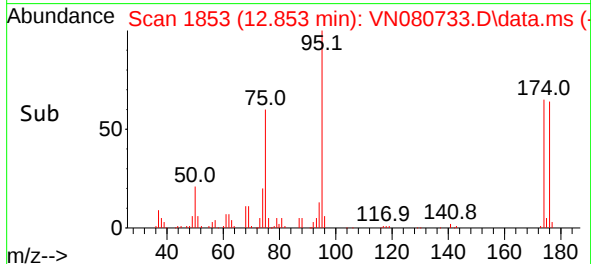
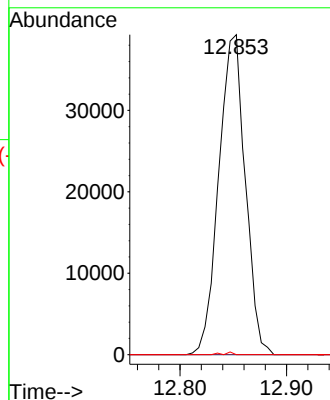
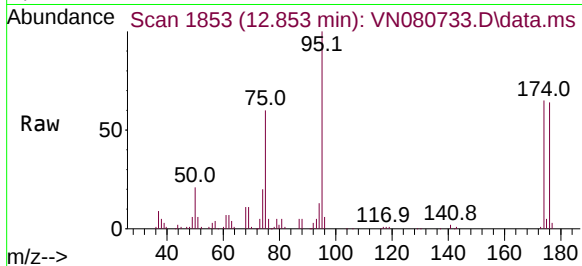




#81
trans-1,4-Dichloro-2-butene
Concen: 43.416 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

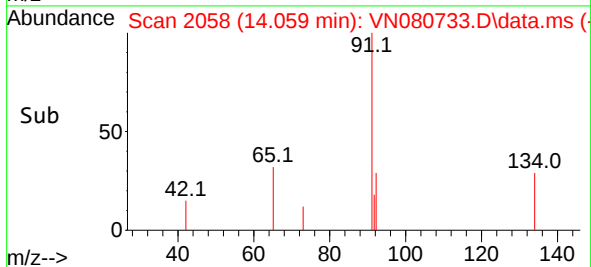
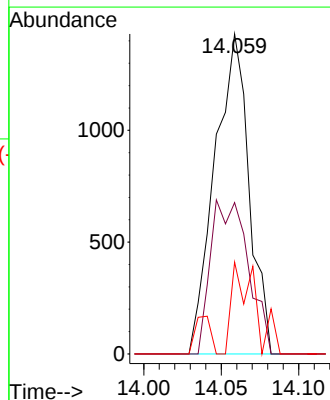
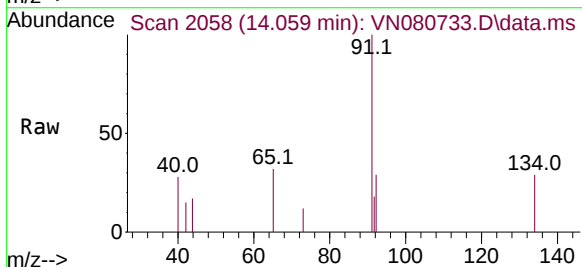
Instrument :
MSVOA_N
ClientSampleId :

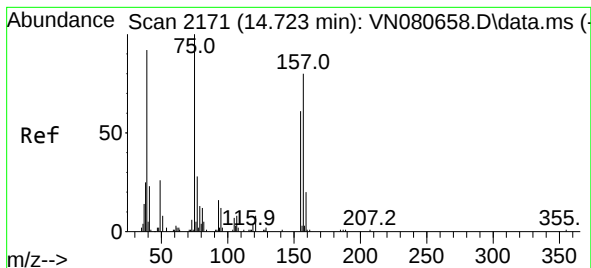
Tgt Ion: 75 Resp: 67834
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.3 38.8 58.2#



#89
n-Butylbenzene
Concen: 0.268 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

Tgt Ion: 91 Resp: 2197
Ion Ratio Lower Upper
91 100
92 0.0 26.4 79.0#
134 19.7 12.6 37.6

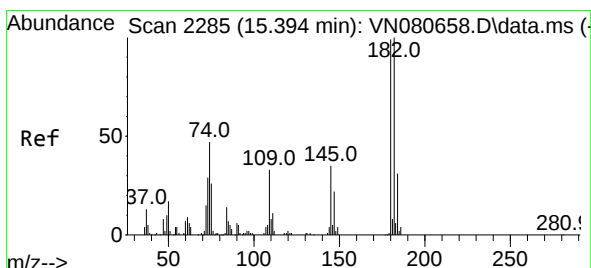
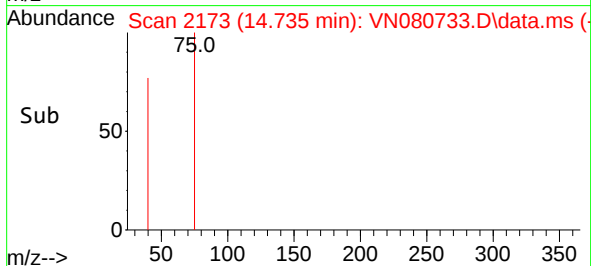
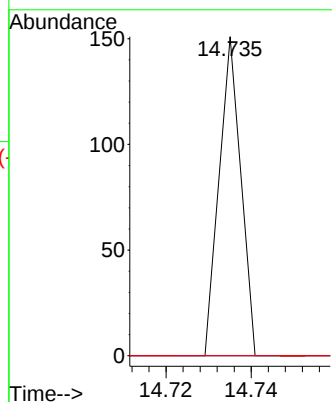
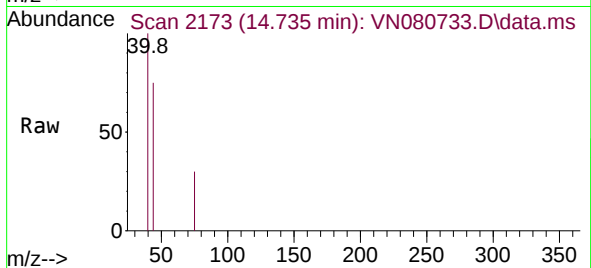




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.735 min Scan# 2171
 Delta R.T. 0.012 min
 Lab File: VN080733.D
 Acq: 22 Jan 2024 12:19

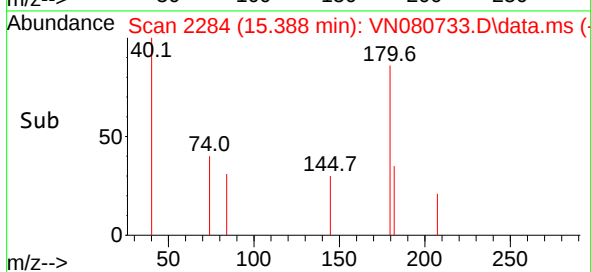
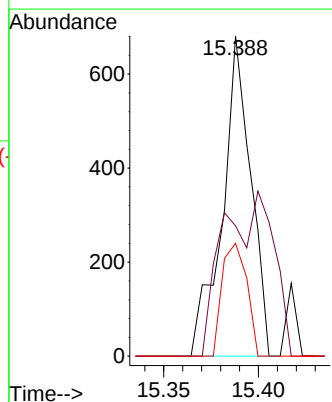
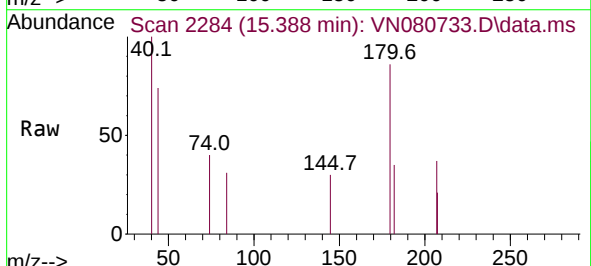
Instrument :
 MSVOA_N
 ClientSampleId :

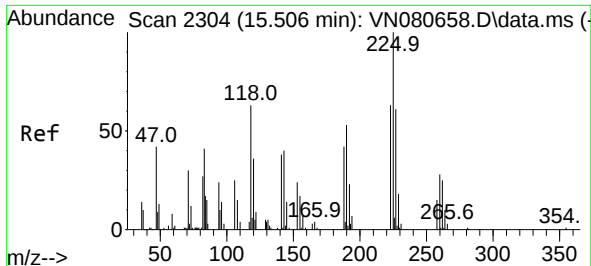
Tgt Ion: 75 Resp: 53
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.1 117.2#
 157 0.0 50.3 150.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.336 ug/l
 RT: 15.388 min Scan# 2284
 Delta R.T. -0.006 min
 Lab File: VN080733.D
 Acq: 22 Jan 2024 12:19

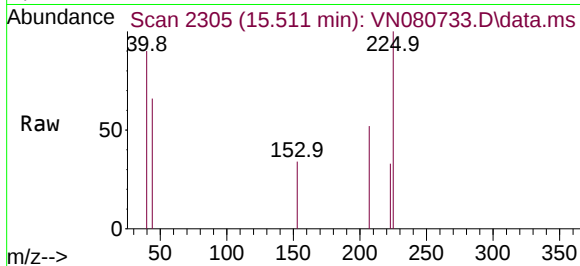
Tgt Ion: 180 Resp: 710
 Ion Ratio Lower Upper
 180 100
 182 90.7 46.1 138.2
 145 30.6 16.6 49.8



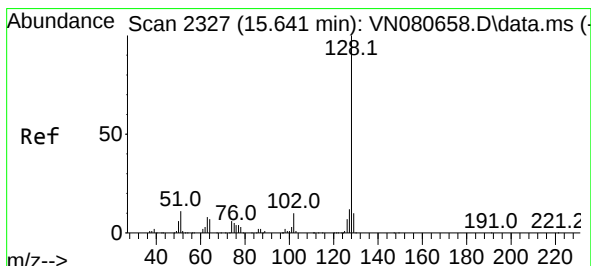
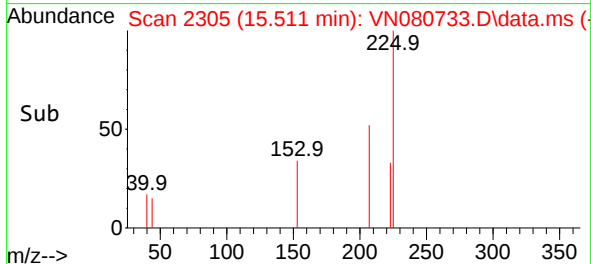
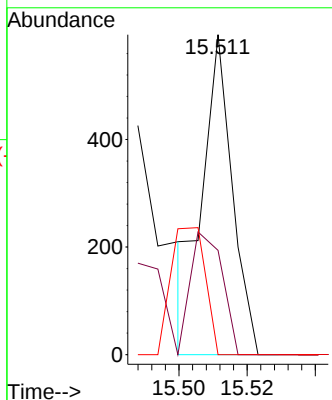


#94
Hexachlorobutadiene
Concen: 0.350 ug/l
RT: 15.511 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

Instrument :
MSVOA_N
ClientSampleId :

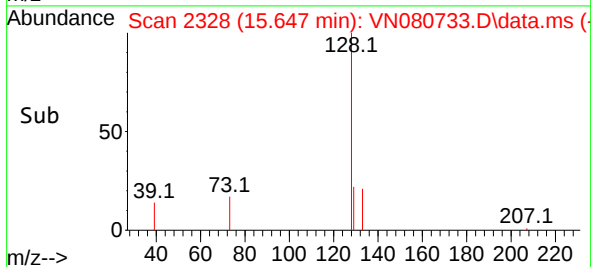
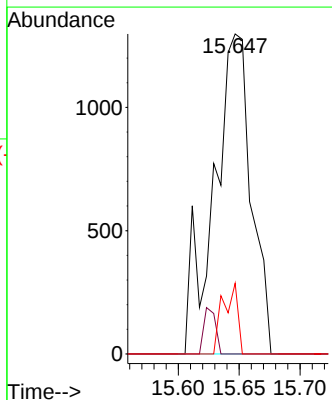
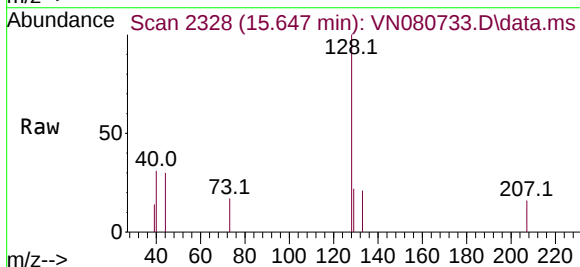


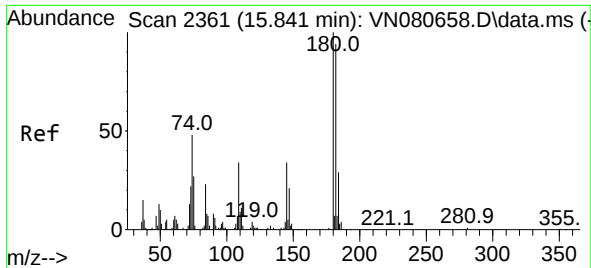
Tgt Ion:225 Resp: 355
Ion Ratio Lower Upper
225 100
223 42.0 31.3 93.8
227 46.8 31.9 95.9



#95
Naphthalene
Concen: 0.333 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080733.D
Acq: 22 Jan 2024 12:19

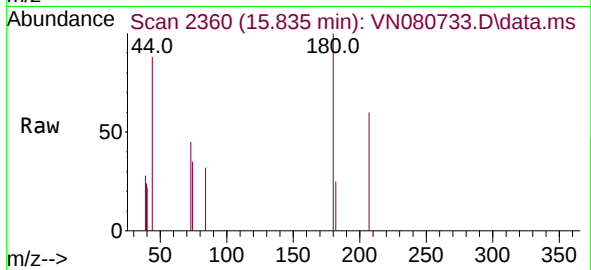
Tgt Ion:128 Resp: 2773
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 8.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.437 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN080733.D
 Acq: 22 Jan 2024 12:19

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	894
Ion	Ratio	Lower	Upper
180	100		
182	79.0	46.2	138.6
145	30.5	17.5	52.6

