

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122123\
 Data File : VN080582.D
 Acq On : 21 Dec 2023 18:37
 Operator : JC\MD
 Sample : 05975-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 22 04:05:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

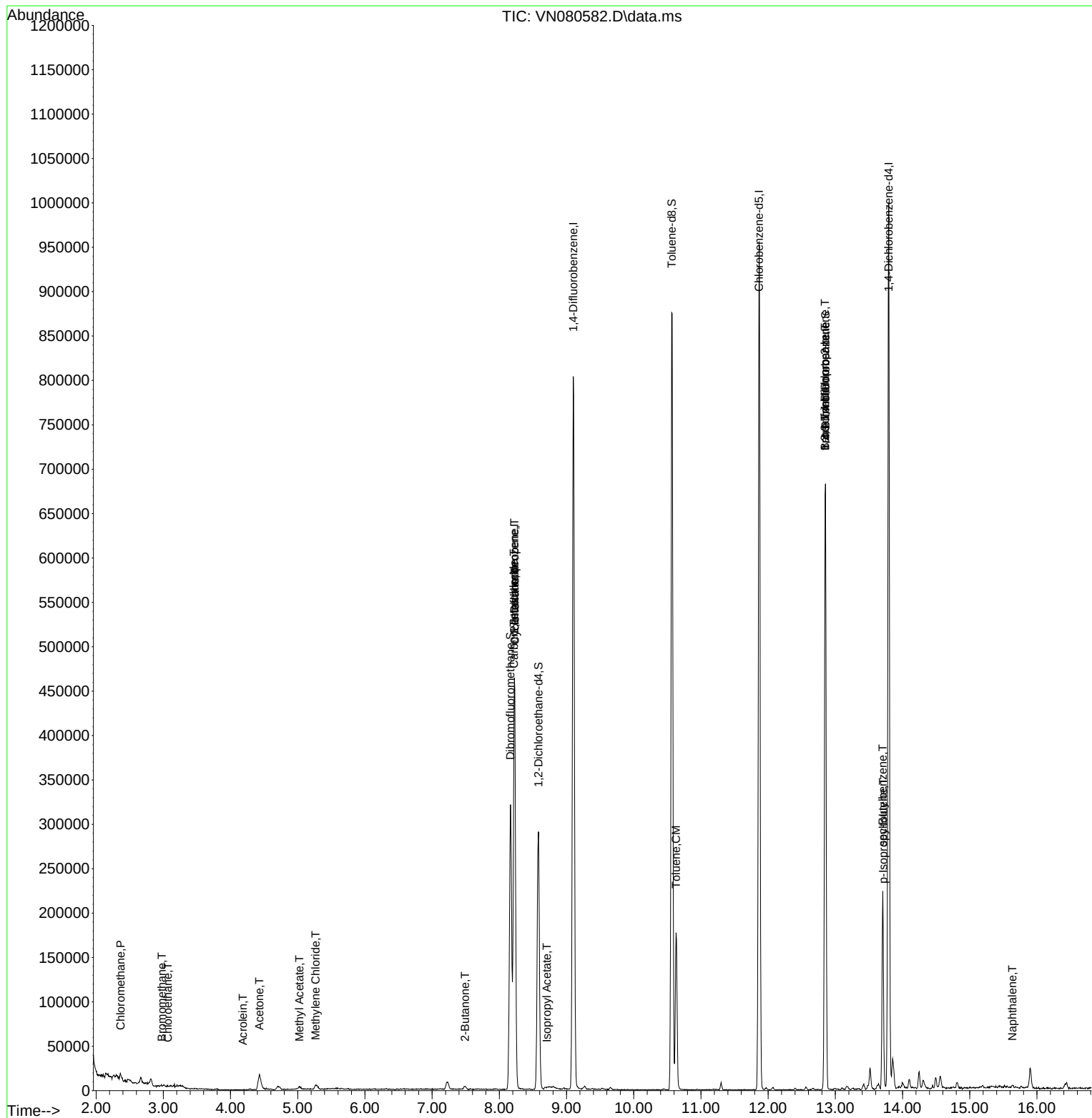
Internal Standards						
1) Pentafluorobenzene	8.224	168	347237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	711268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	549337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	266398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	247360	55.774	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.540%
35) Dibromofluoromethane	8.165	113	233615	51.803	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.600%
50) Toluene-d8	10.565	98	610374	36.291	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	72.580%#
62) 4-Bromofluorobenzene	12.853	95	235742	36.912	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	73.820%#
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	8931	1.537	ug/l	93
5) Bromomethane	2.977	94	428	0.251	ug/l	99
6) Chloroethane	3.065	64	737	0.303	ug/l #	43
13) Acrolein	4.183	56	195	0.341	ug/l #	16
16) Acetone	4.430	43	32026	40.726	ug/l	99
18) Methyl Acetate	5.024	43	2881	0.569	ug/l #	68
20) Methylene Chloride	5.265	84	4100	0.974	ug/l #	84
25) 2-Butanone	7.489	43	5514	3.640	ug/l	91
31) Cyclohexane	8.230	56	7616	1.263	ug/l #	54
36) 1,1-Dichloropropene	8.224	75	26765	3.630	ug/l #	49
38) Carbon Tetrachloride	8.218	117	35836	4.067	ug/l #	15
43) Isopropyl Acetate	8.706	43	2397	0.289	ug/l #	49
52) Toluene	10.630	92	77484	5.760	ug/l	99
71) Bromoform	12.847	173	1014	0.290	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	126899	23.878	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	126899	62.693	ug/l #	15
85) sec-Butylbenzene	13.706	105	4642	0.240	ug/l #	18
86) p-Isopropyltoluene	13.712	119	6121	0.351	ug/l #	1
95) Naphthalene	15.635	128	3218	0.217	ug/l #	92

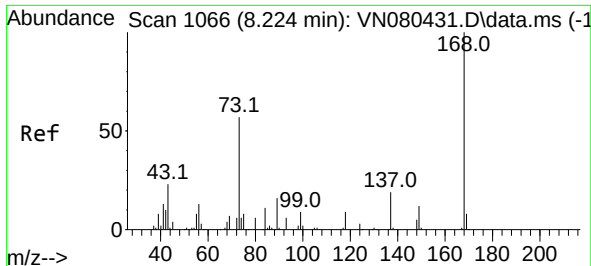
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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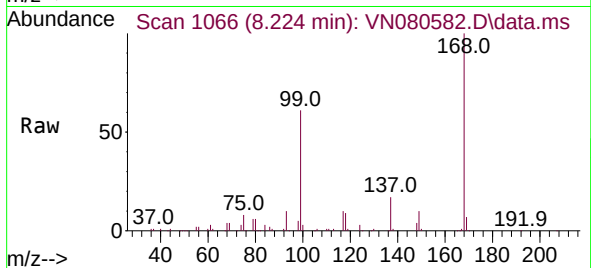
Quant Time: Dec 22 04:05:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
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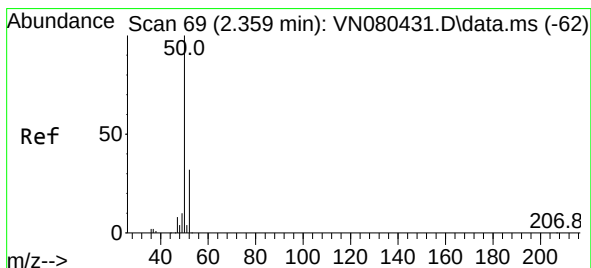
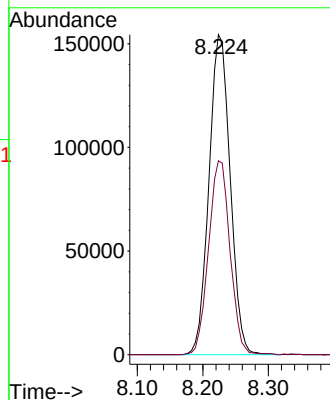
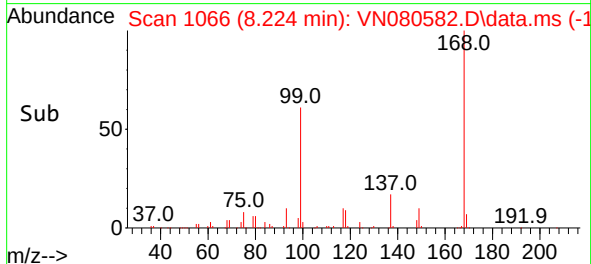


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

Instrument :
MSVOA_N
ClientSampleId :

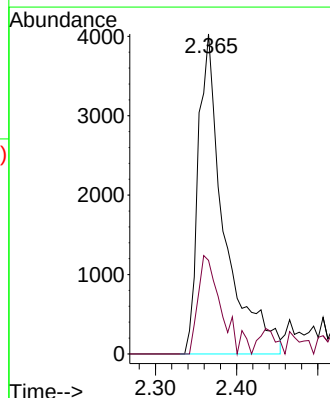
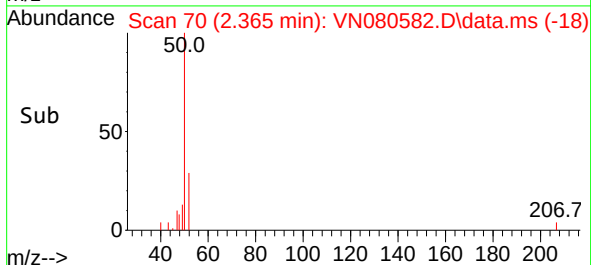
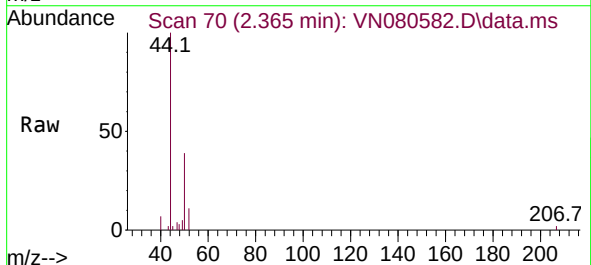


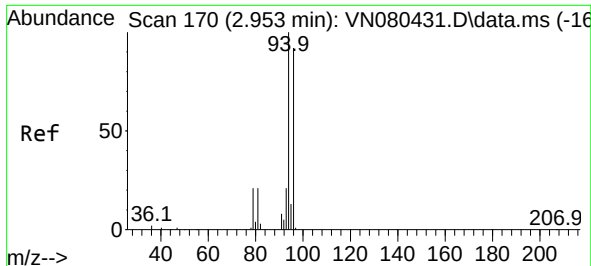
Tgt Ion:168 Resp: 347237
Ion Ratio Lower Upper
168 100
99 60.6 53.0 79.6



#3
Chloromethane
Concen: 1.537 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

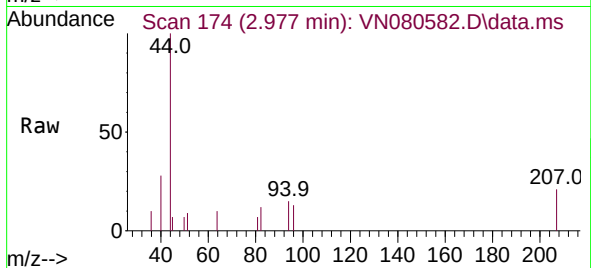
Tgt Ion: 50 Resp: 8931
Ion Ratio Lower Upper
50 100
52 29.2 26.5 39.7



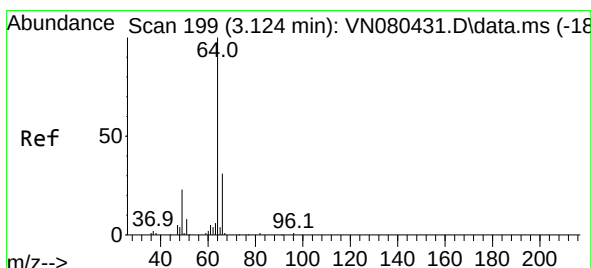
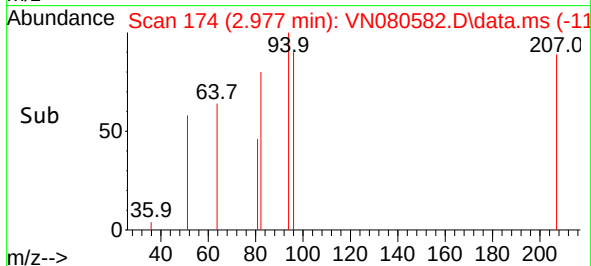
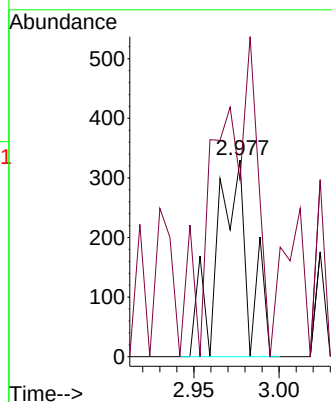


#5
Bromomethane
Concen: 0.251 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

Instrument :
MSVOA_N
ClientSampleId :

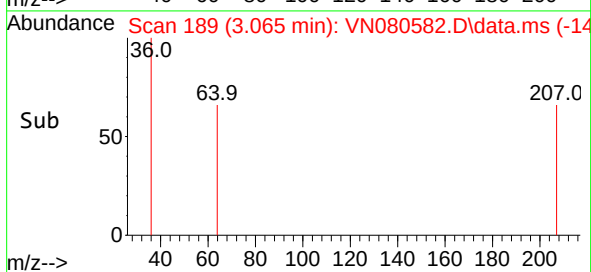
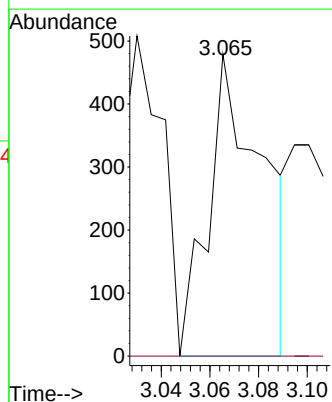
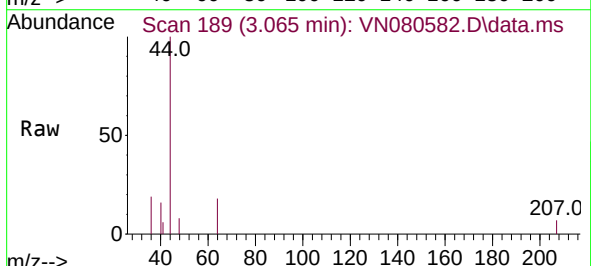


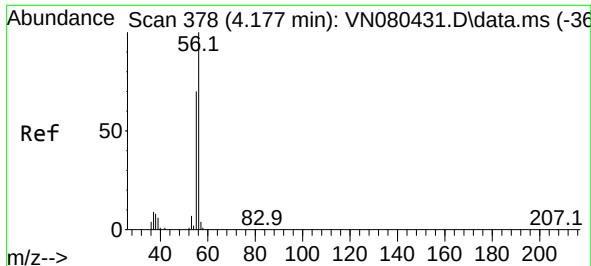
Tgt Ion: 94 Resp: 428
Ion Ratio Lower Upper
94 100
96 90.0 73.1 109.7



#6
Chloroethane
Concen: 0.303 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.059 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

Tgt Ion: 64 Resp: 737
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

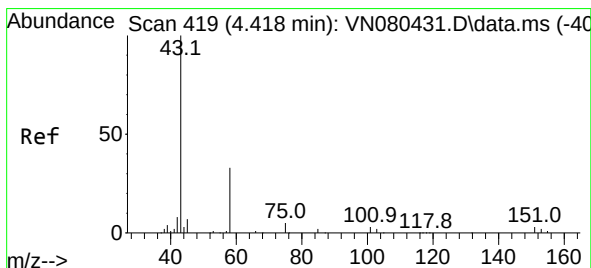
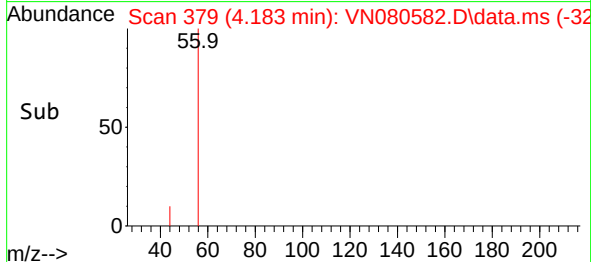
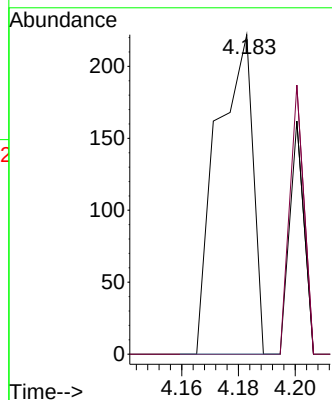
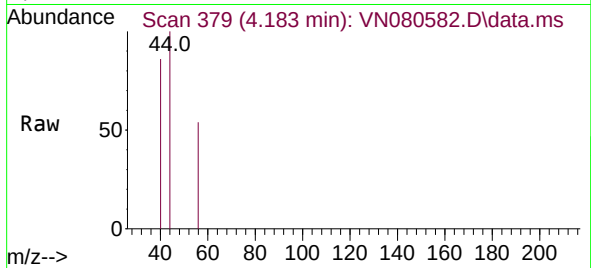




#13
Acrolein
Concen: 0.341 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

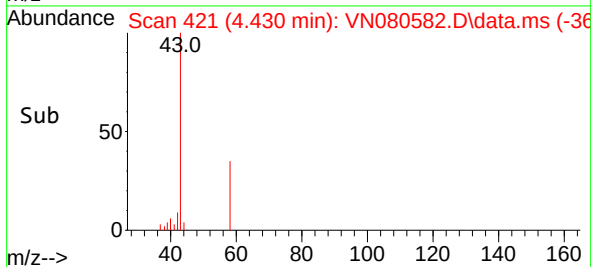
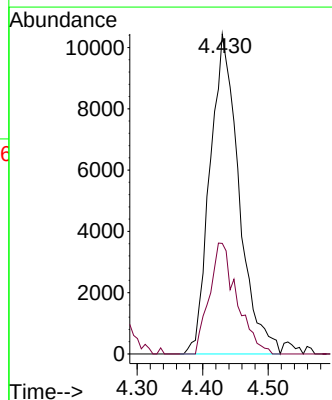
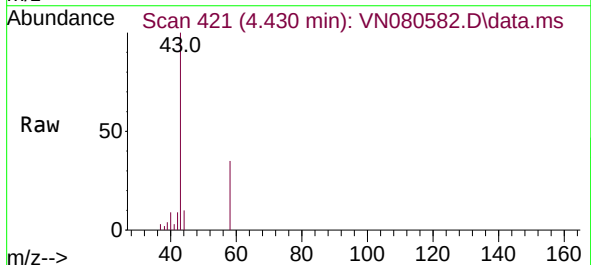
Instrument :
MSVOA_N
ClientSampleId :

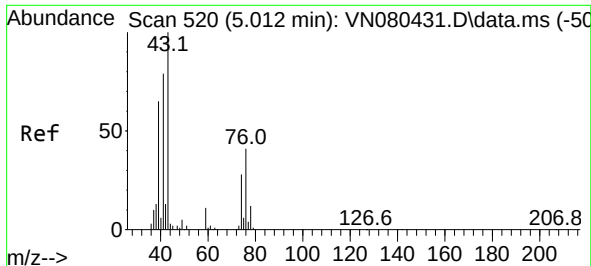
Tgt Ion: 56 Resp: 195
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 40.726 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

Tgt Ion: 43 Resp: 32026
Ion Ratio Lower Upper
43 100
58 34.5 28.0 42.0

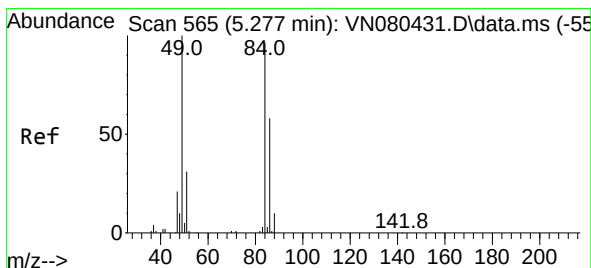
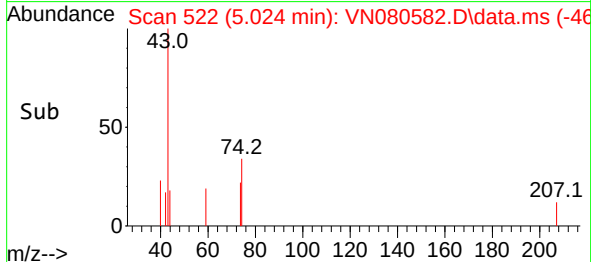
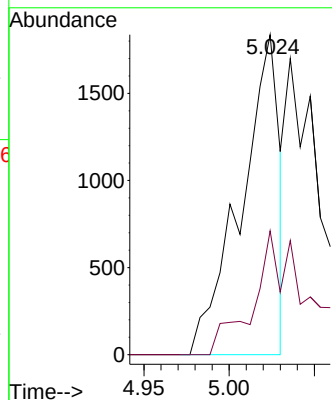
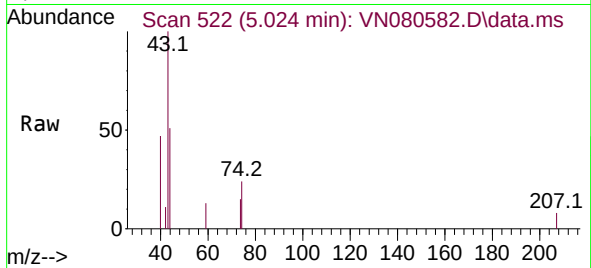




#18
Methyl Acetate
Concen: 0.569 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

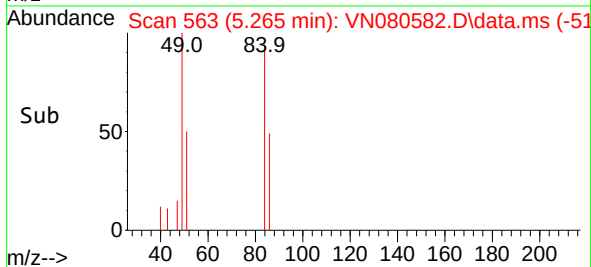
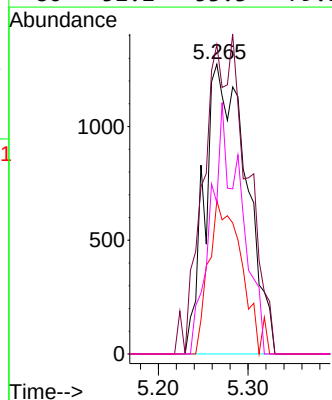
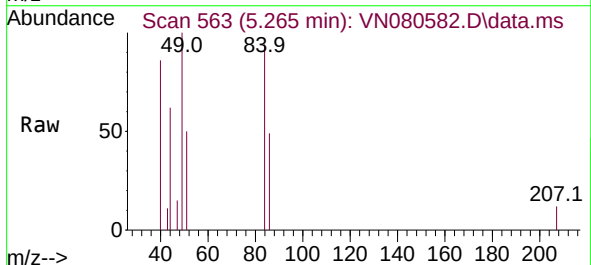
Instrument :
MSVOA_N
ClientSampleId :

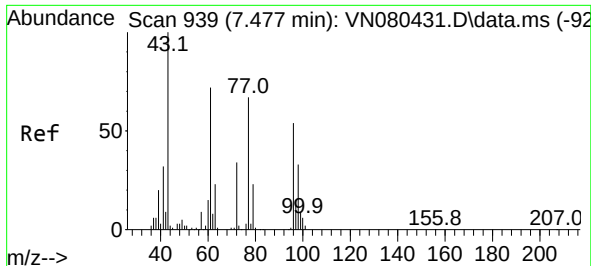
Tgt Ion: 43 Resp: 2881
Ion Ratio Lower Upper
43 100
74 50.8 26.2 39.4#



#20
Methylene Chloride
Concen: 0.974 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.011 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

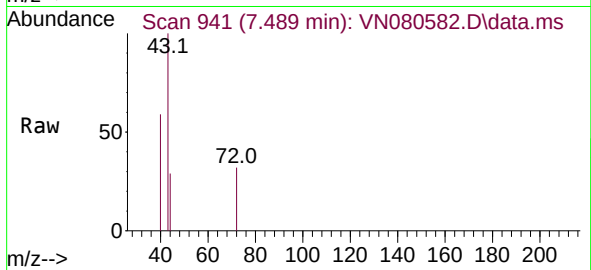
Tgt Ion: 84 Resp: 4100
Ion Ratio Lower Upper
84 100
49 106.8 79.7 119.5
51 52.9 25.2 37.8#
86 52.2 53.3 79.9#



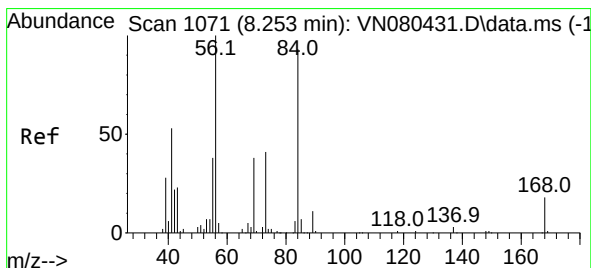
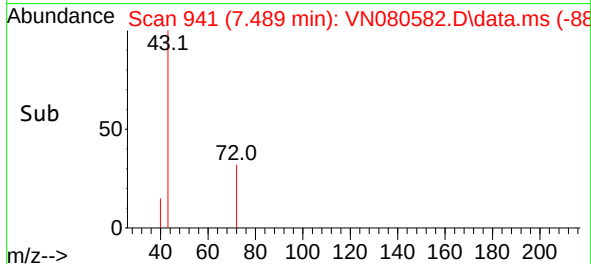
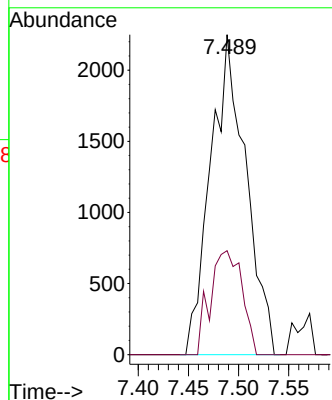


#25
2-Butanone
Concen: 3.640 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

Instrument :
MSVOA_N
ClientSampleId :

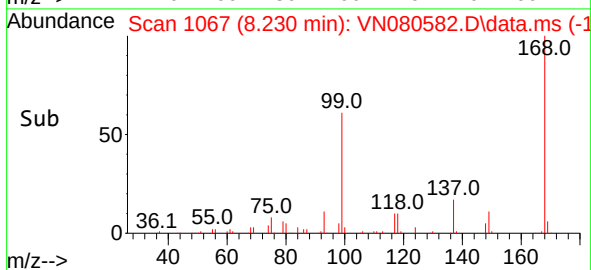
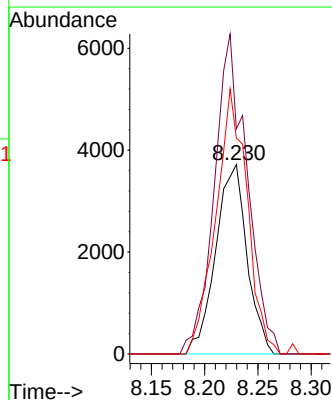
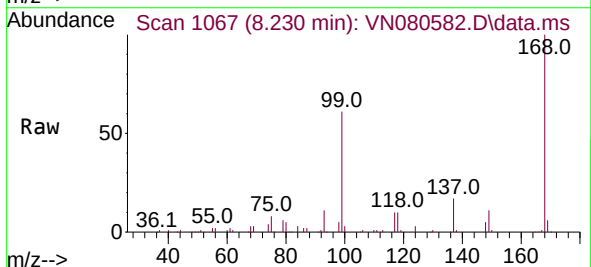


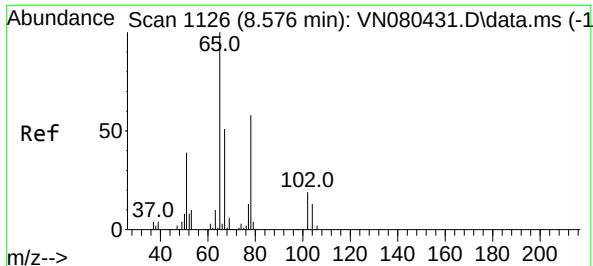
Tgt Ion: 43 Resp: 5514
Ion Ratio Lower Upper
43 100
72 32.5 30.2 45.2



#31
Cyclohexane
Concen: 1.263 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

Tgt Ion: 56 Resp: 7616
Ion Ratio Lower Upper
56 100
69 118.7 26.8 40.2#
84 113.9 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 55.774 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN080582.D

Acq: 21 Dec 2023 18:37

Instrument :

MSVOA_N

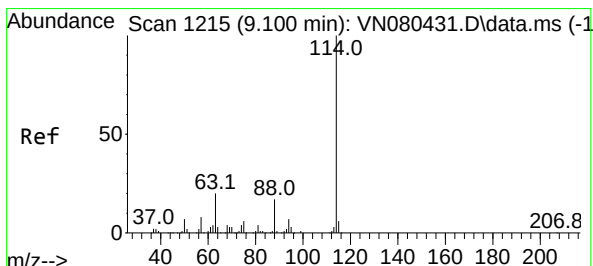
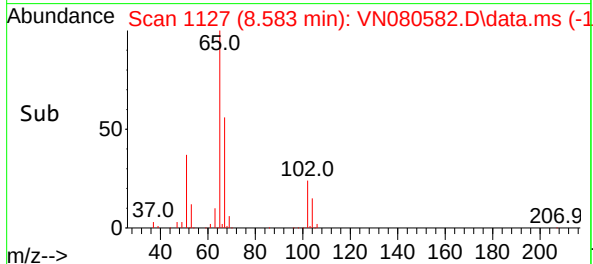
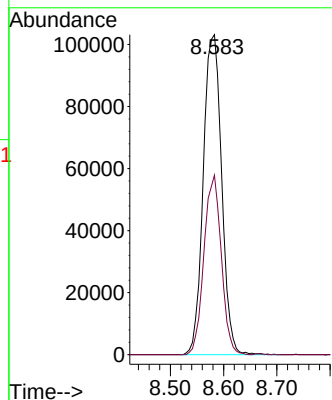
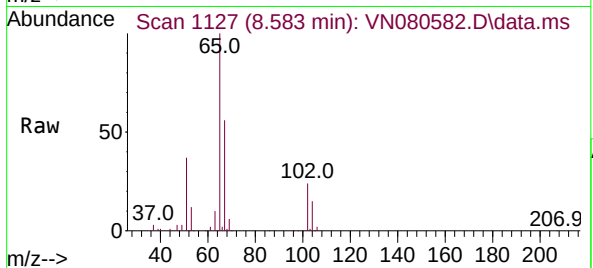
ClientSampleId :

Tgt Ion: 65 Resp: 247360

Ion Ratio Lower Upper

65 100

67 52.9 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: VN080582.D

Acq: 21 Dec 2023 18:37

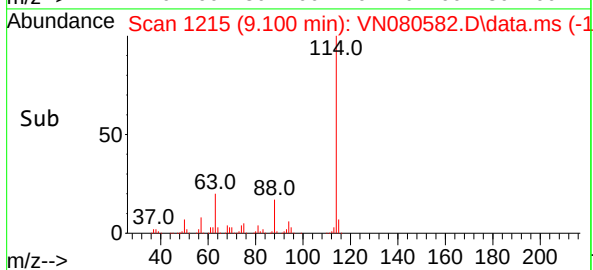
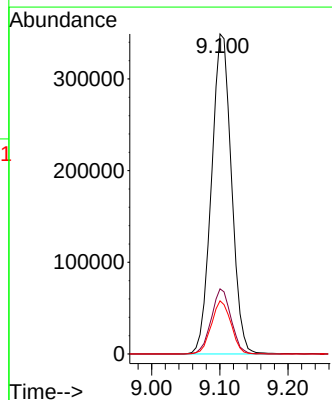
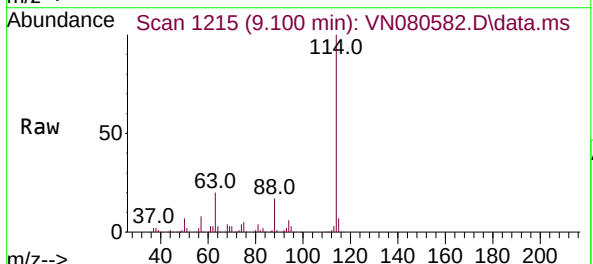
Tgt Ion: 114 Resp: 711268

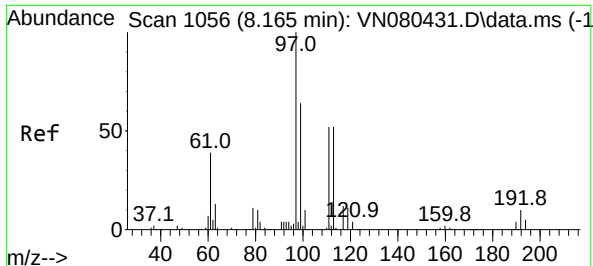
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

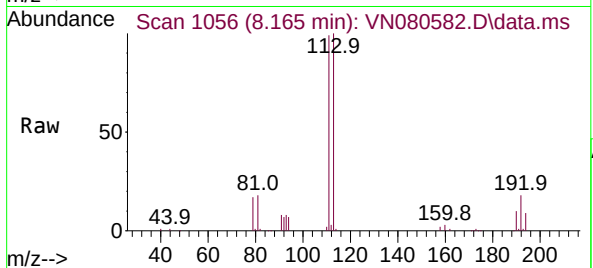
88 16.6 0.0 30.6



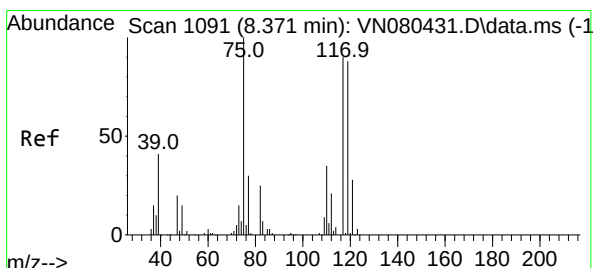
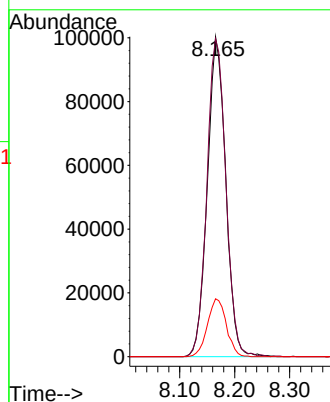
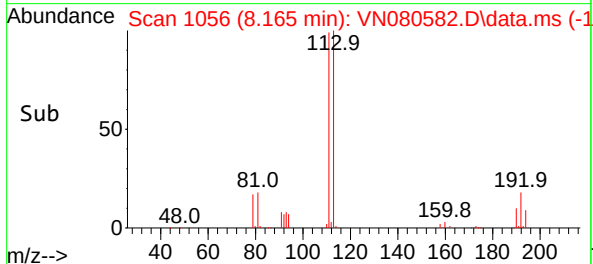


#35
Dibromofluoromethane
Concen: 51.803 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

Instrument :
MSVOA_N
ClientSampleId :

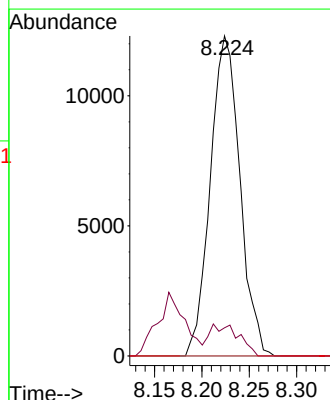
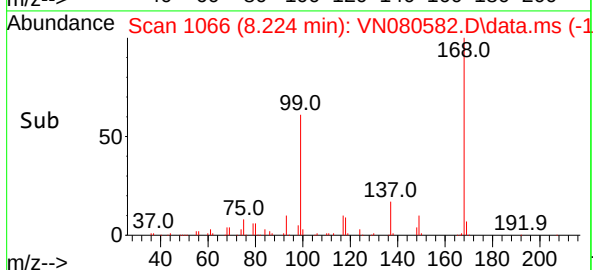
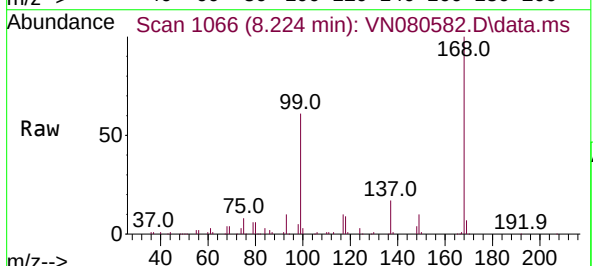


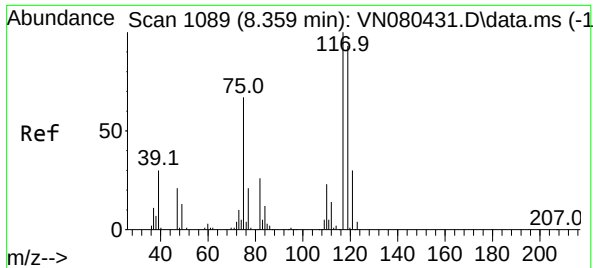
Tgt Ion:113 Resp: 233615
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 18.6 12.7 19.1



#36
1,1-Dichloropropene
Concen: 3.630 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

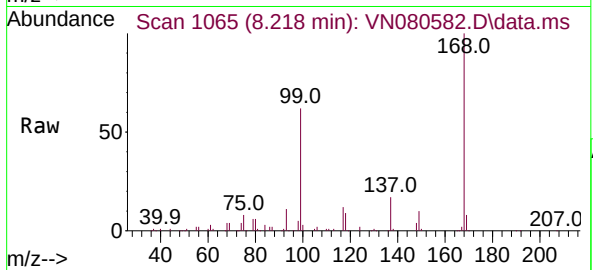
Tgt Ion: 75 Resp: 26765
Ion Ratio Lower Upper
75 100
110 9.8 19.1 57.3#
77 0.0 25.0 37.4#



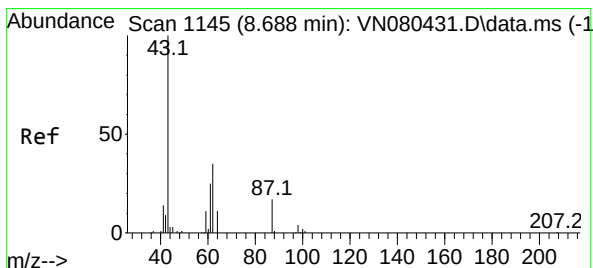
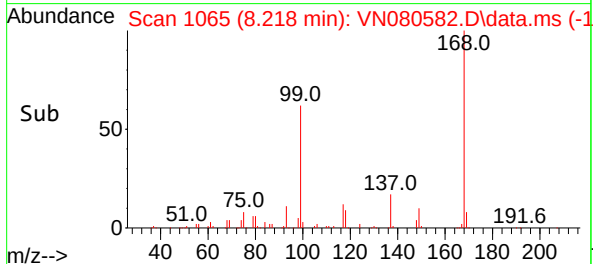
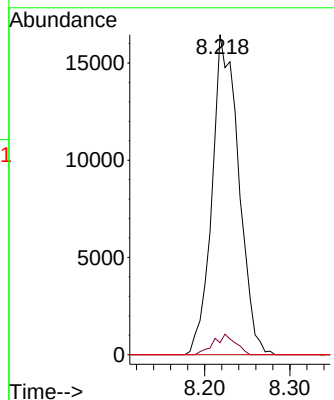


#38
Carbon Tetrachloride
Concen: 4.067 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

Instrument :
MSVOA_N
ClientSampleId :

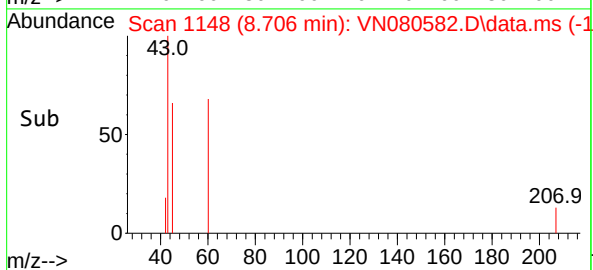
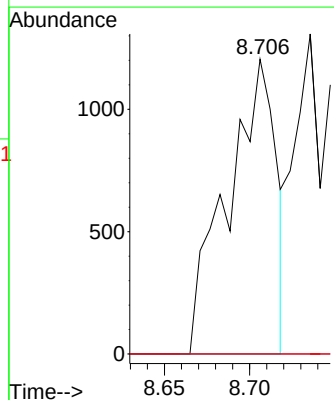
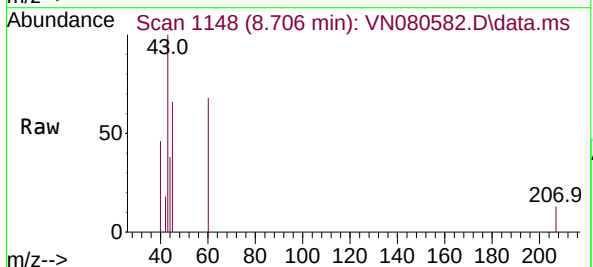


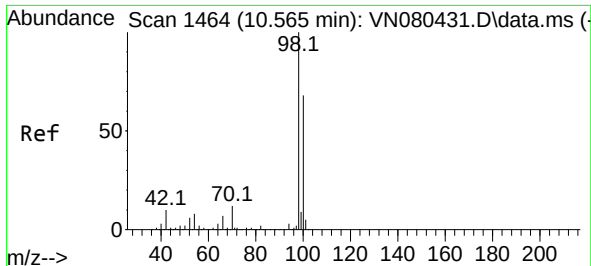
Tgt Ion:117 Resp: 35836
Ion Ratio Lower Upper
117 100
119 3.8 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.289 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.018 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

Tgt Ion: 43 Resp: 2397
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

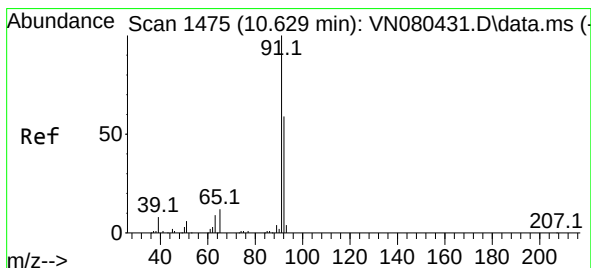
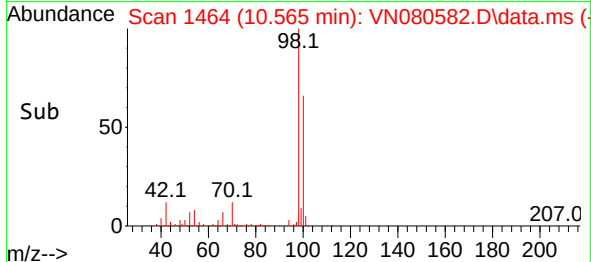
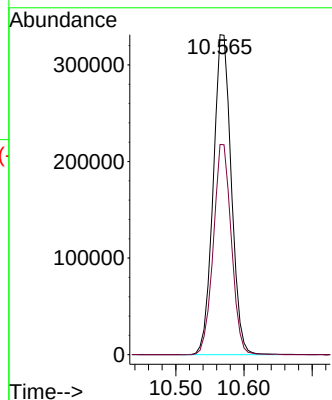
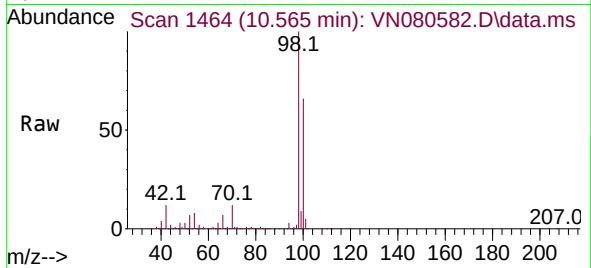




#50
Toluene-d8
Concen: 36.291 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

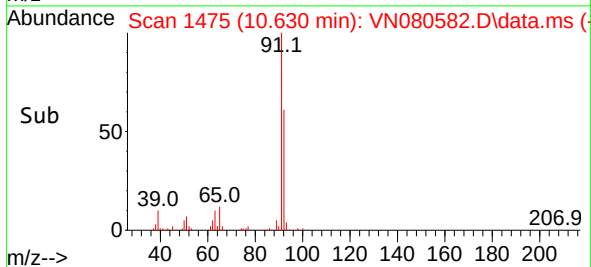
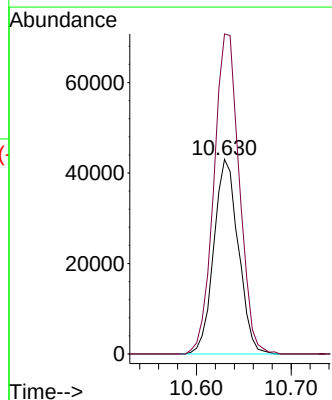
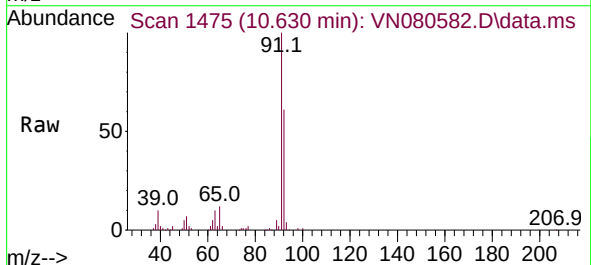
Instrument :
MSVOA_N
ClientSampleId :

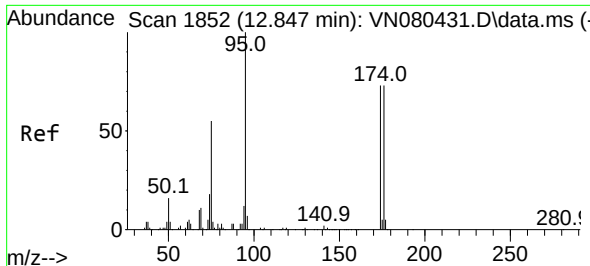
Tgt Ion: 98 Resp: 610374
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0



#52
Toluene
Concen: 5.760 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

Tgt Ion: 92 Resp: 77484
Ion Ratio Lower Upper
92 100
91 170.3 137.4 206.0

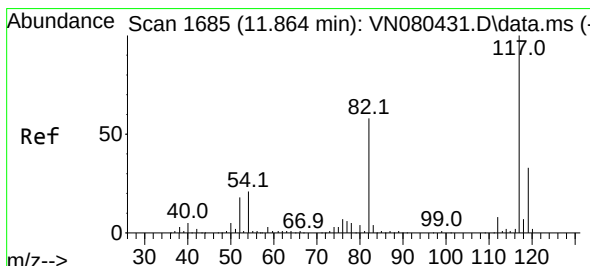
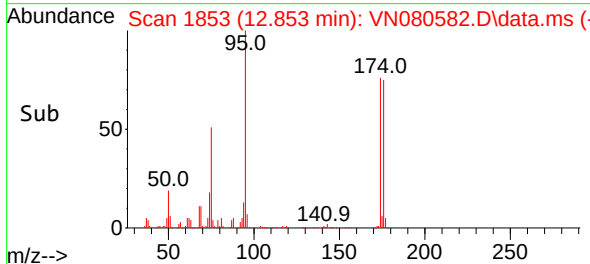
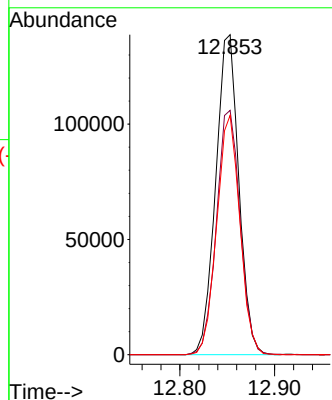
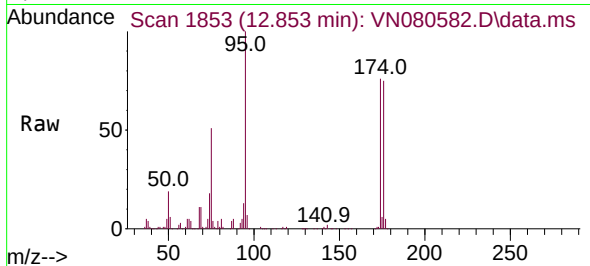




#62
4-Bromofluorobenzene
Concen: 36.912 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

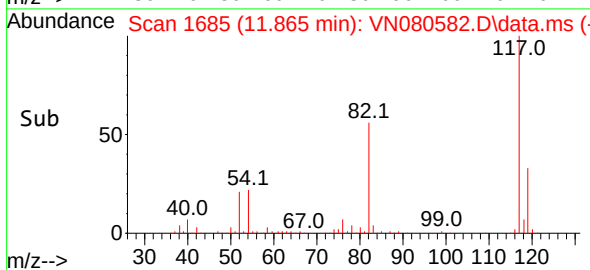
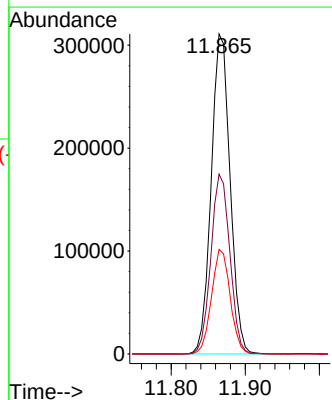
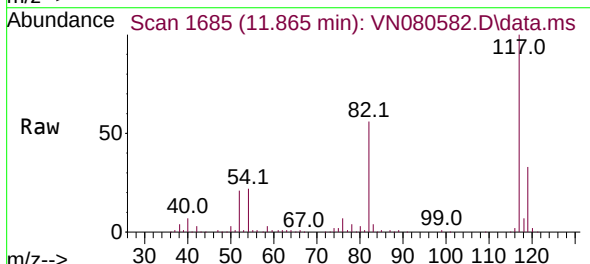
Instrument :
MSVOA_N
ClientSampleId :

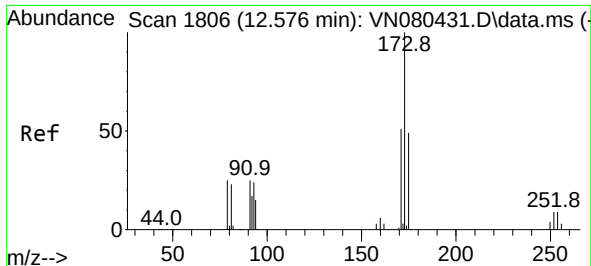
Tgt Ion: 95 Resp: 235742
Ion Ratio Lower Upper
95 100
174 78.0 0.0 143.8
176 74.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

Tgt Ion: 117 Resp: 549337
Ion Ratio Lower Upper
117 100
82 56.2 44.0 66.0
119 32.7 25.6 38.4

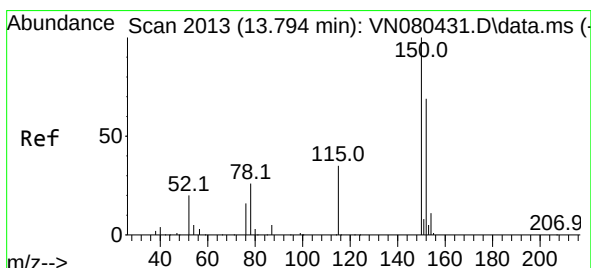
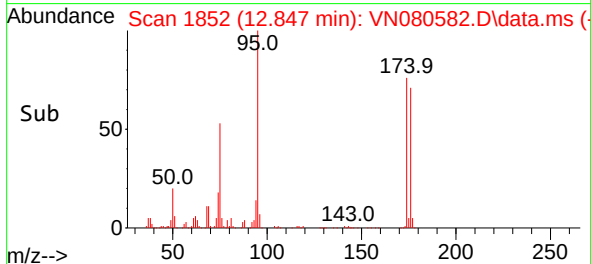
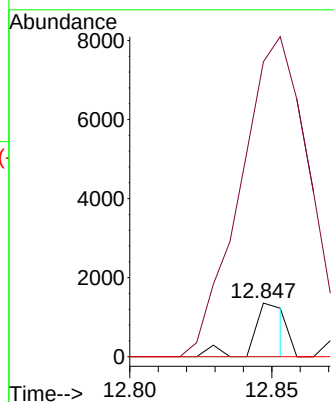
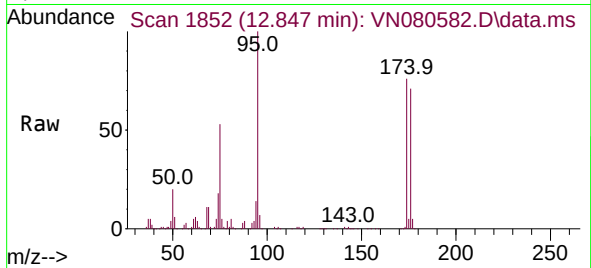




#71
Bromoform
Concen: 0.290 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

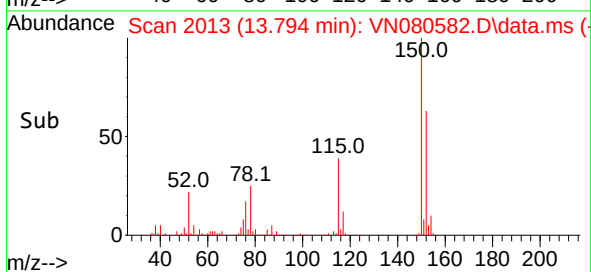
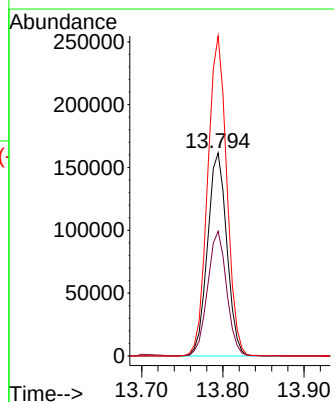
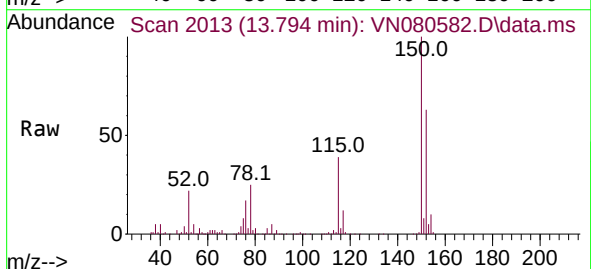
Instrument :
MSVOA_N
ClientSampleId :

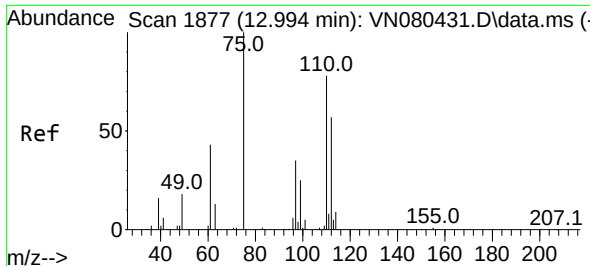
Tgt Ion:173 Resp: 1014
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

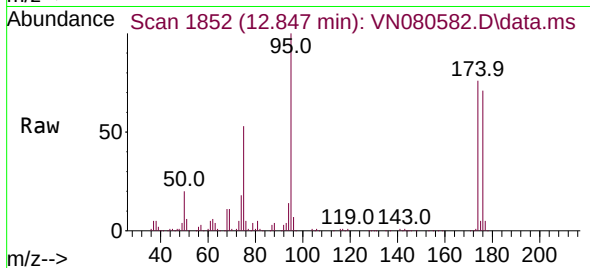
Tgt Ion:152 Resp: 266398
Ion Ratio Lower Upper
152 100
115 60.7 32.3 96.8
150 155.9 0.0 355.8



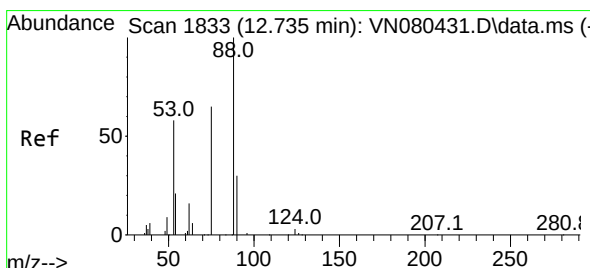
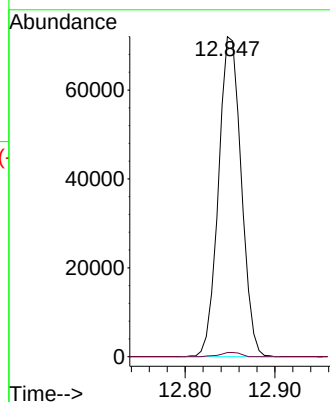
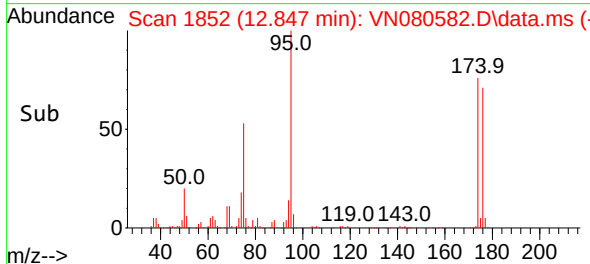


#76
1,2,3-Trichloropropane
Concen: 23.878 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

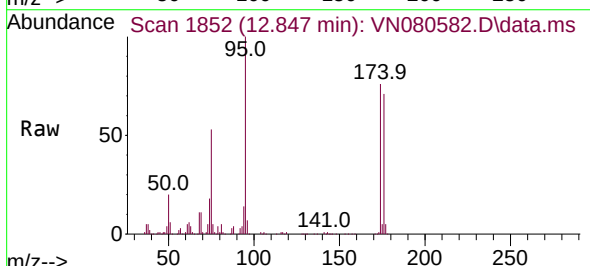
Instrument :
MSVOA_N
ClientSampleId :



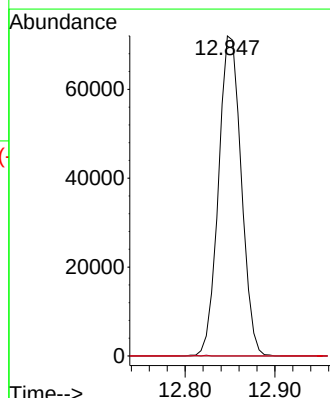
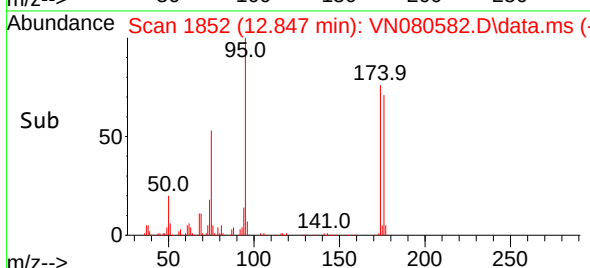
Tgt Ion: 75 Resp: 126899
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#

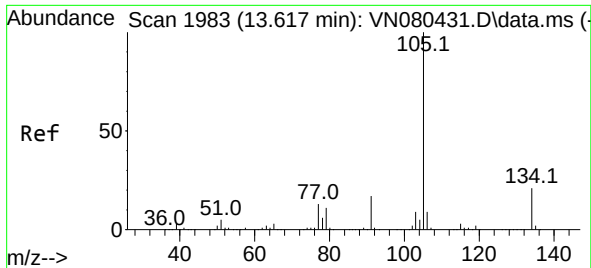


#81
trans-1,4-Dichloro-2-butene
Concen: 62.693 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37



Tgt Ion: 75 Resp: 126899
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

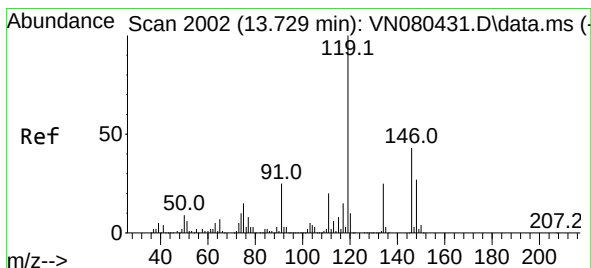
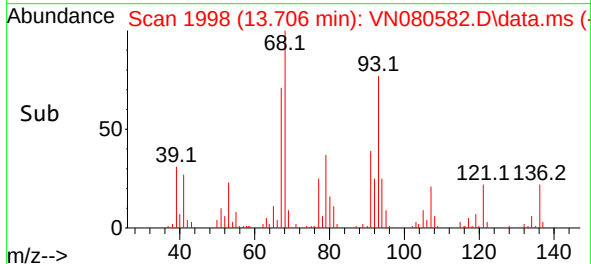
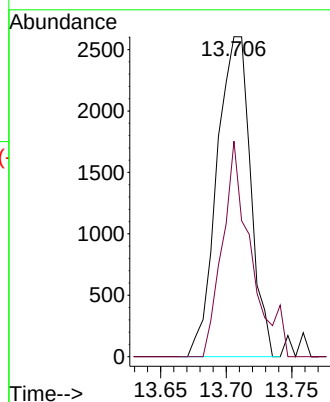
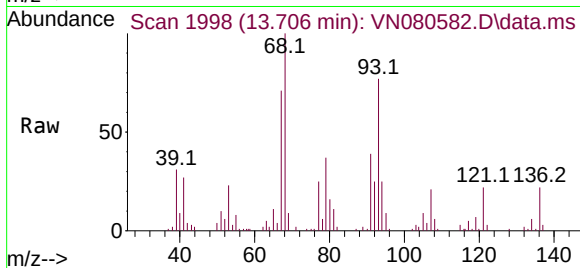




#85
 sec-Butylbenzene
 Concen: 0.240 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.088 min
 Lab File: VN080582.D
 Acq: 21 Dec 2023 18:37

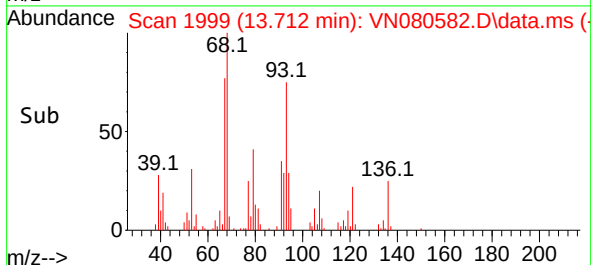
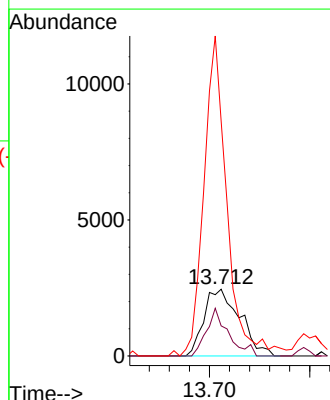
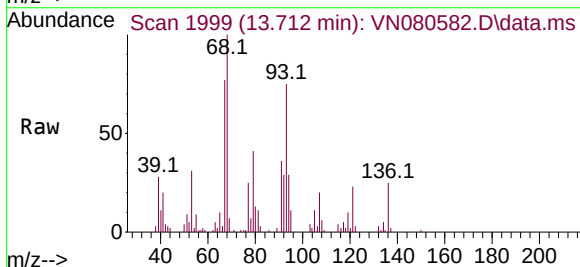
Instrument :
 MSVOA_N
 ClientSampleId :

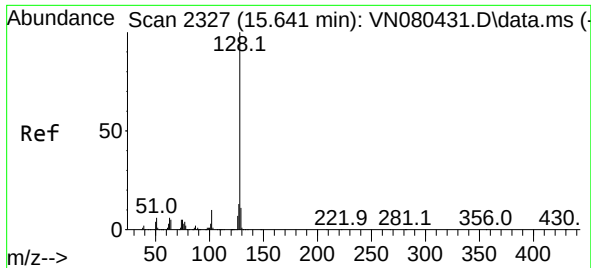
Tgt Ion:105 Resp: 4642
 Ion Ratio Lower Upper
 105 100
 134 56.9 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: 0.351 ug/l
 RT: 13.712 min Scan# 1999
 Delta R.T. -0.017 min
 Lab File: VN080582.D
 Acq: 21 Dec 2023 18:37

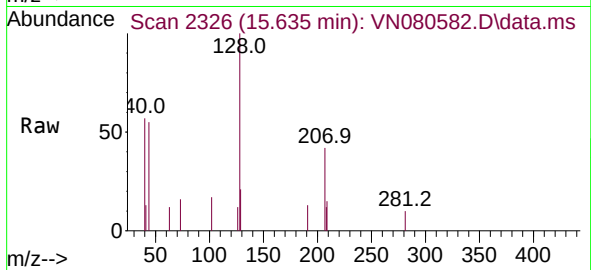
Tgt Ion:119 Resp: 6121
 Ion Ratio Lower Upper
 119 100
 134 43.1 12.6 37.8#
 91 306.4 12.4 37.2#





#95
Naphthalene
Concen: 0.217 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN080582.D
Acq: 21 Dec 2023 18:37

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 3218
Ion Ratio Lower Upper
128 100
127 9.5 10.0 15.0#
129 14.1 8.7 13.1#

