

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081723\
 Data File : VN078933.D
 Acq On : 17 Aug 2023 18:17
 Operator : JC\MD
 Sample : 04027-01DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 18 05:34:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:21:14 2023
 Response via : Initial Calibration

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

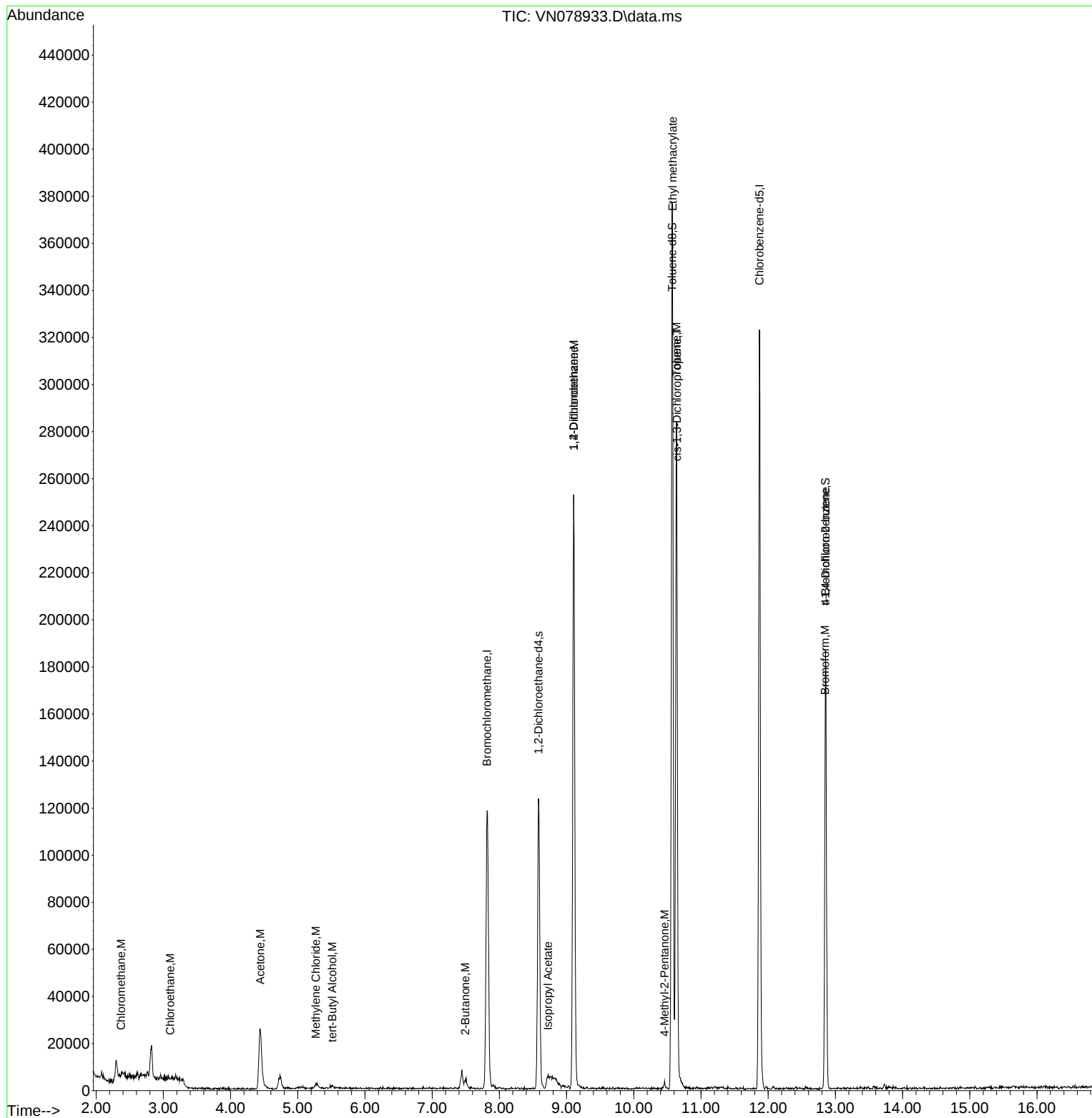
Internal Standards						
1) Bromochloromethane	7.818	128	41003	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	211583	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	176970	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	97356	29.308	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.700%
60) 4-Bromofluorobenzene	12.853	95	61784	23.933	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.767%
63) Toluene-d8	10.570	98	252831	30.593	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.967%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1043	0.336	ug/l #	44
6) Chloroethane	3.100	64	421	0.211	ug/l #	44
15) Acetone	4.441	58	14386	35.045	ug/l	81
18) Methylene Chloride	5.271	84	746	0.287	ug/l #	65
23) tert-Butyl Alcohol	5.512	59	377	0.755	ug/l #	100
30) 2-Butanone	7.494	43	3315	1.759	ug/l #	71
36) 1,2-Dichloroethane	9.106	62	9069	2.511	ug/l #	73
44) Isopropyl Acetate	8.724	43	3858	0.599	ug/l #	34
49) cis-1,3-Dichloropropene	10.641	75	1710	0.428	ug/l #	1
51) Ethyl methacrylate	10.576	69	1153	0.317	ug/l #	52
56) Bromoform	12.847	173	394	0.217	ug/l #	1
58) 4-Methyl-2-Pentanone	10.459	43	1928	0.549	ug/l #	70
62) Toluene	10.635	91	203204	21.032	ug/l	98
77) t-1,4-Dichloro-2-butene	12.853	75	34633	33.662	ug/l #	3

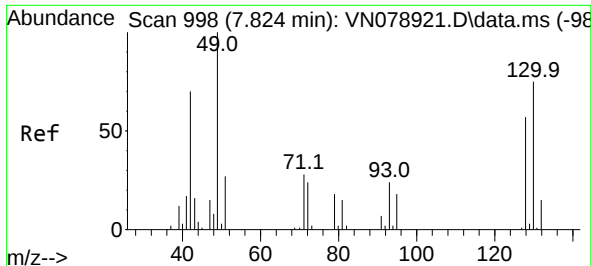
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081723\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 18 05:21:14 2023
Response via : Initial Calibration

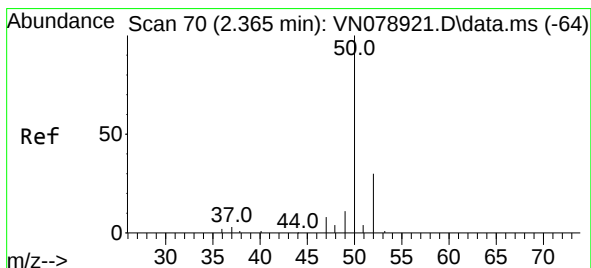
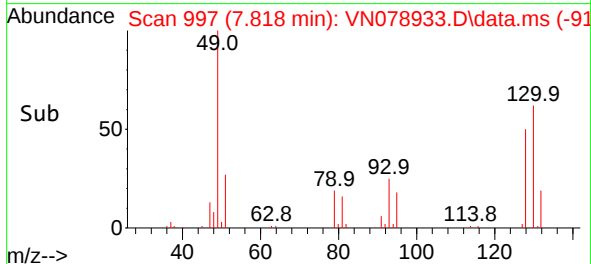
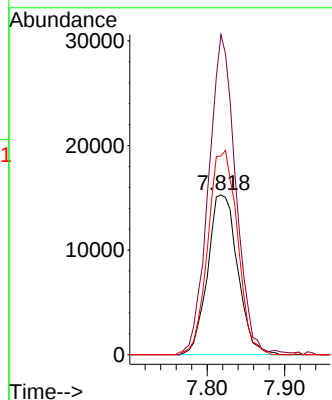
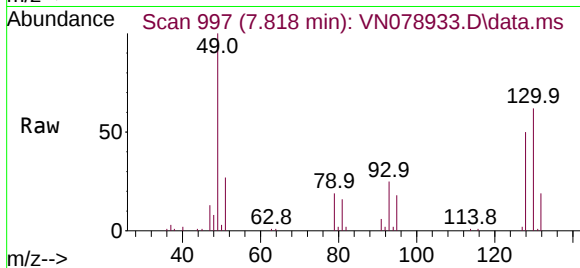




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

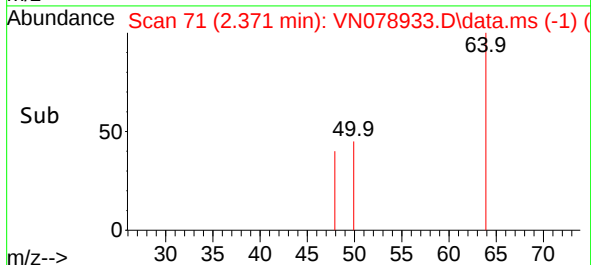
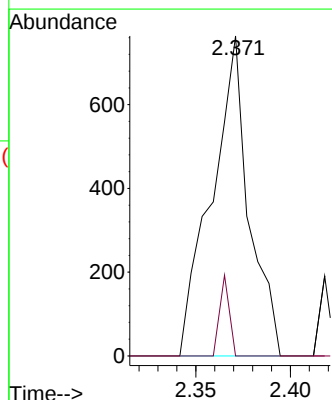
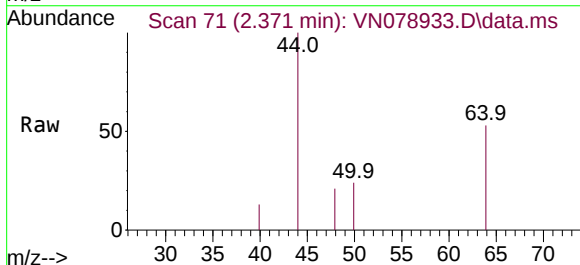
Instrument :
MSVOA_N
ClientSampleId :

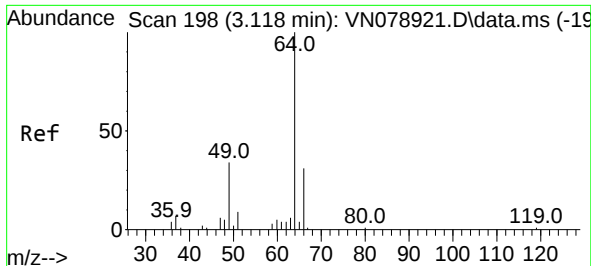
Tgt Ion:128 Resp: 41003
Ion Ratio Lower Upper
128 100
49 181.2 0.0 481.8
130 126.3 0.0 320.5



#3
Chloromethane
Concen: 0.336 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

Tgt Ion: 50 Resp: 1043
Ion Ratio Lower Upper
50 100
52 0.0 24.2 36.4#

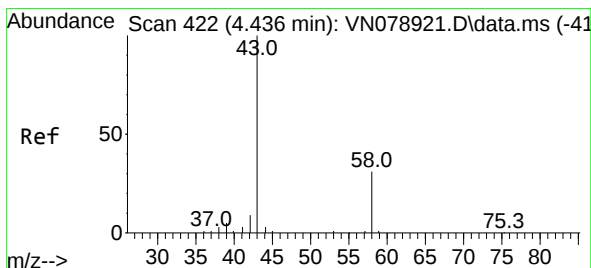
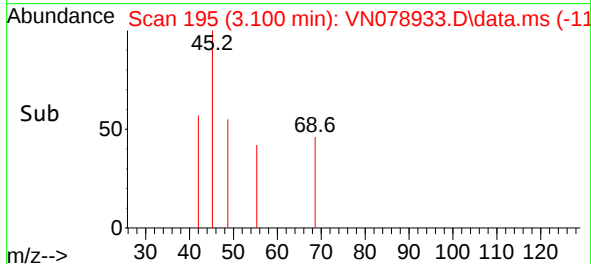
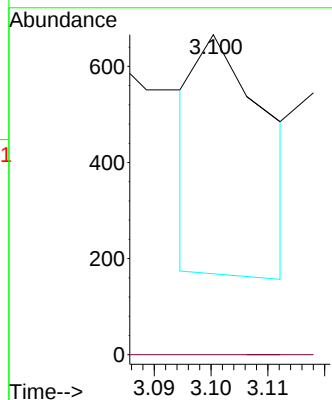
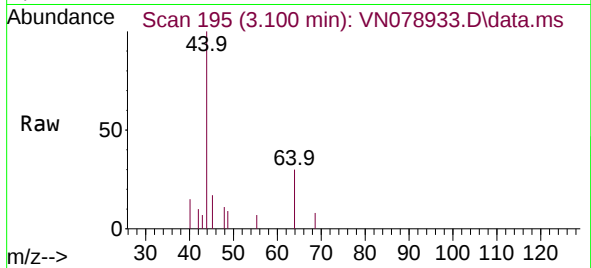




#6
Chloroethane
Concen: 0.211 ug/l
RT: 3.100 min Scan# 19
Delta R.T. -0.018 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

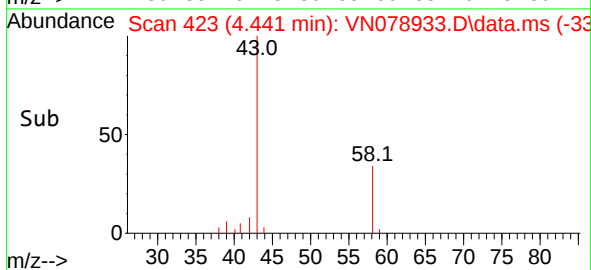
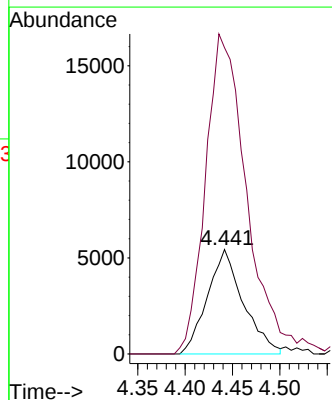
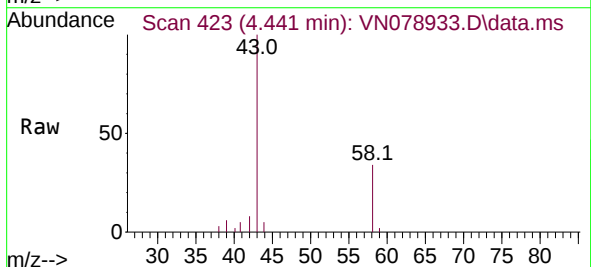
Instrument :
MSVOA_N
ClientSampleId :

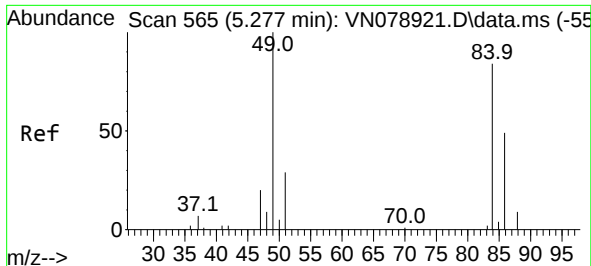
Tgt Ion: 64 Resp: 421
Ion Ratio Lower Upper
64 100
66 0.0 24.9 37.3#



#15
Acetone
Concen: 35.045 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.006 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

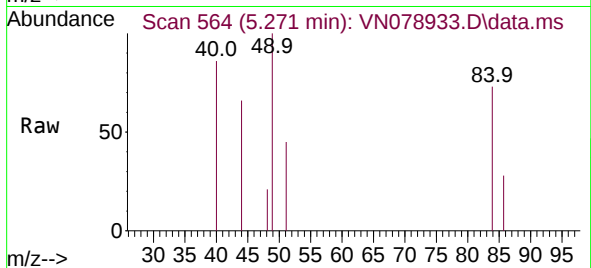
Tgt Ion: 58 Resp: 14386
Ion Ratio Lower Upper
58 100
43 287.0 260.6 390.8





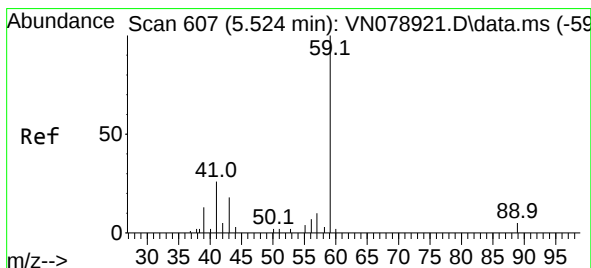
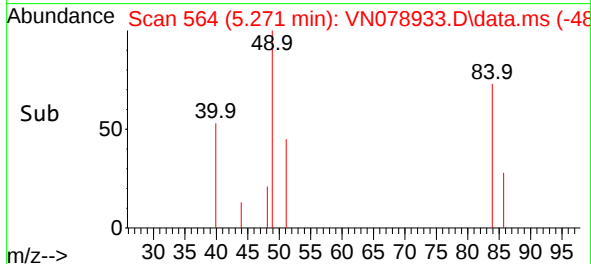
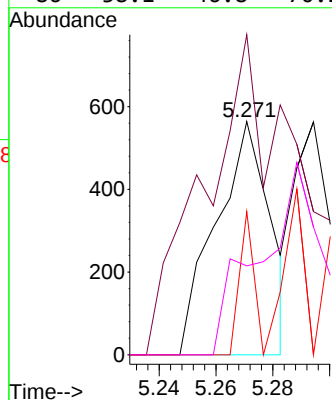
#18
Methylene Chloride
Concen: 0.287 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 746

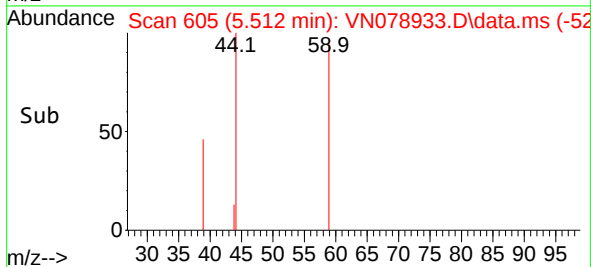
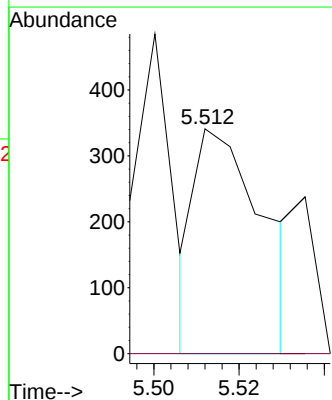
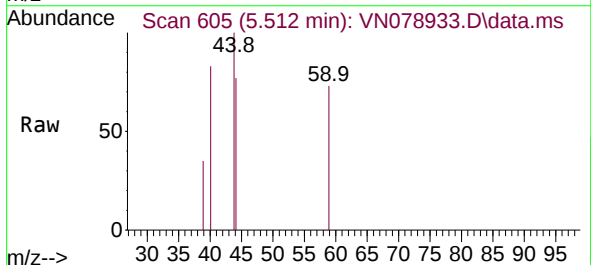
Ion	Ratio	Lower	Upper
84	100		
49	80.5	95.8	143.6#
51	61.3	28.6	43.0#
86	38.1	46.8	70.2#

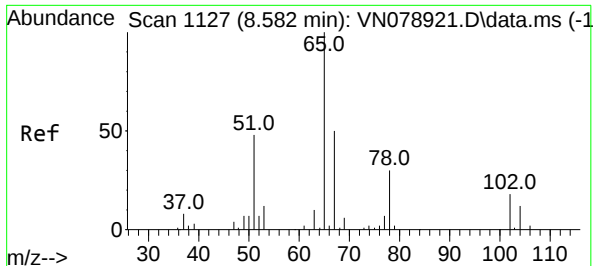


#23
tert-Butyl Alcohol
Concen: 0.755 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

Tgt Ion: 59 Resp: 377

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

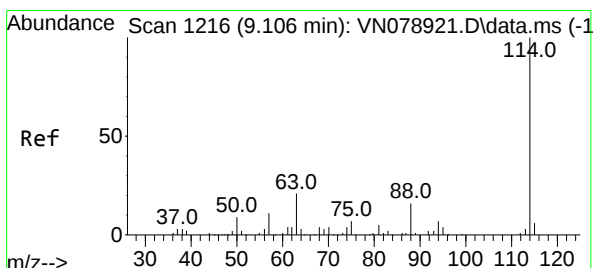
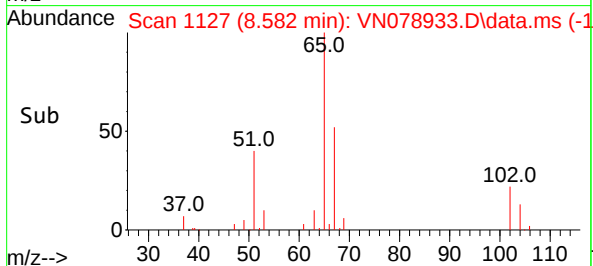
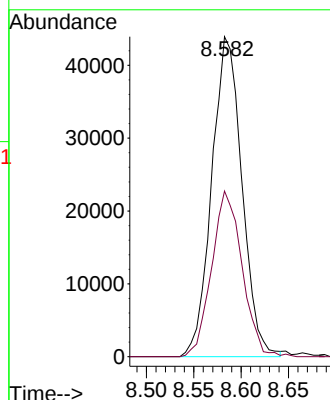
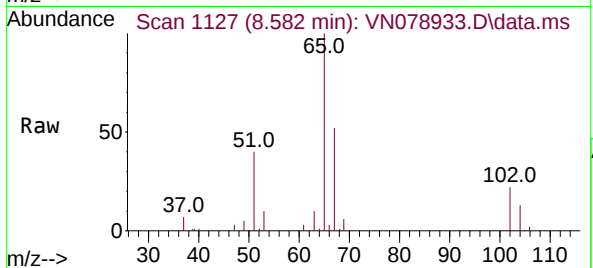




#27
1,2-Dichloroethane-d4
Concen: 29.308 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

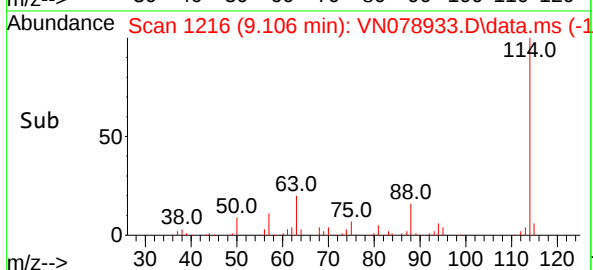
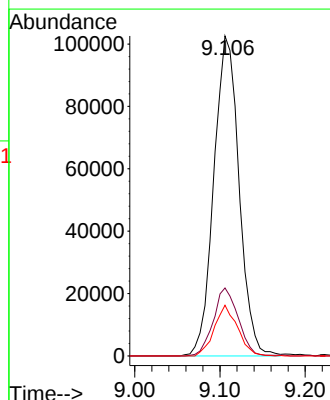
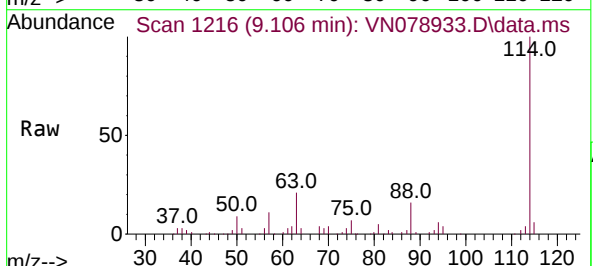
Instrument :
MSVOA_N
ClientSampleId :

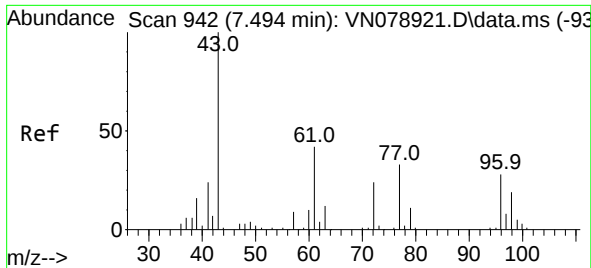
Tgt Ion: 65 Resp: 97356
Ion Ratio Lower Upper
65 100
67 51.8 40.7 61.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

Tgt Ion: 114 Resp: 211583
Ion Ratio Lower Upper
114 100
63 20.9 17.4 26.2
88 14.6 12.0 18.0

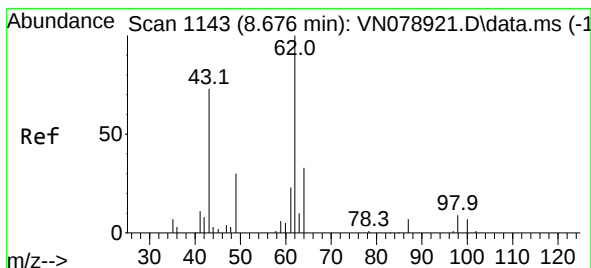
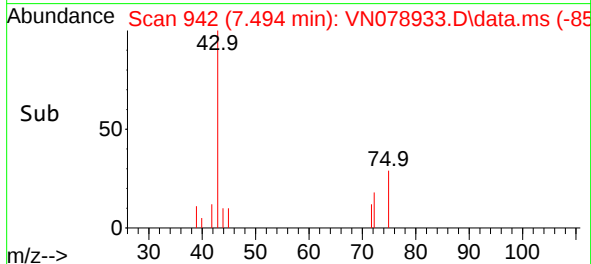
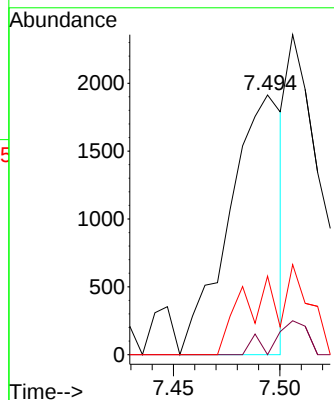
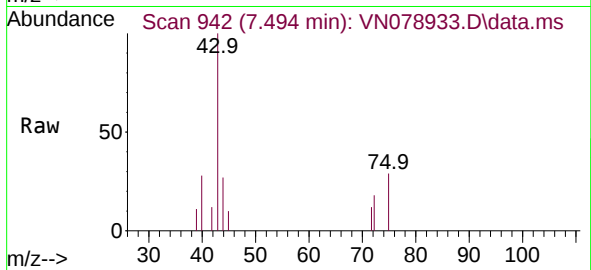




#30
2-Butanone
Concen: 1.759 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

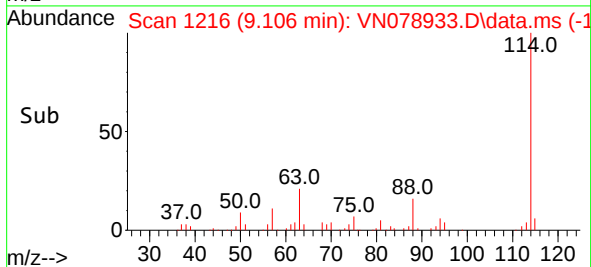
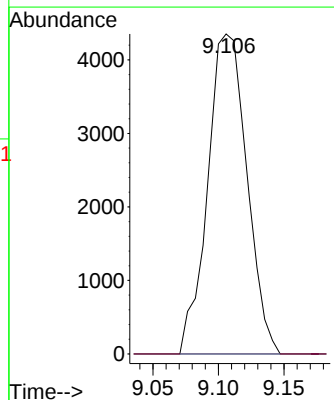
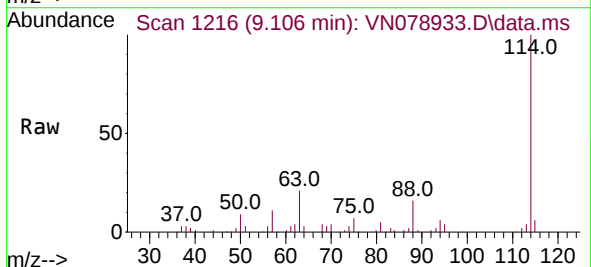
Instrument :
MSVOA_N
ClientSampleId :

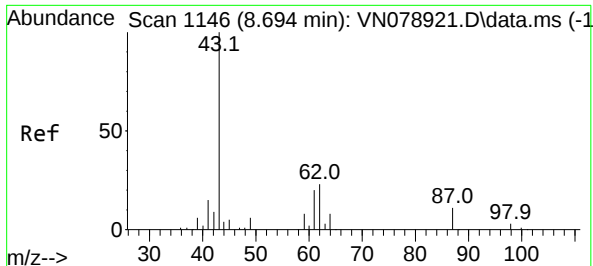
Tgt Ion: 43 Resp: 3315
Ion Ratio Lower Upper
43 100
57 1.6 6.2 9.4#
72 8.3 19.4 29.2#



#36
1,2-Dichloroethane
Concen: 2.511 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.429 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

Tgt Ion: 62 Resp: 9069
Ion Ratio Lower Upper
62 100
98 0.0 8.1 12.1#

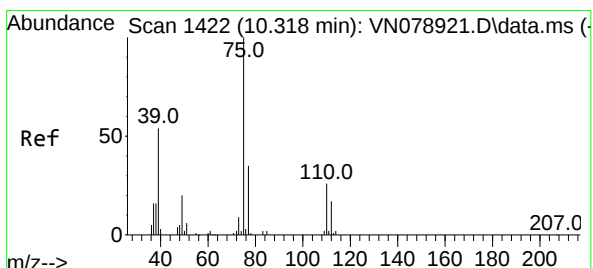
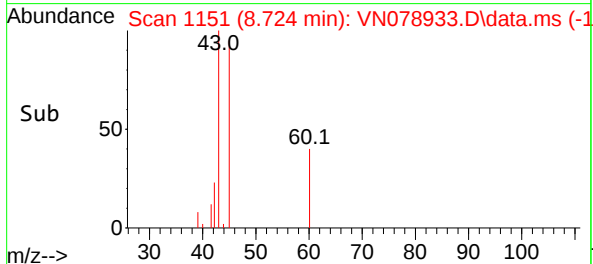
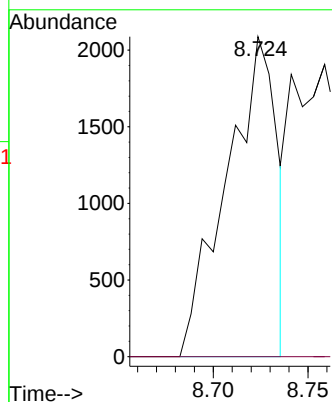
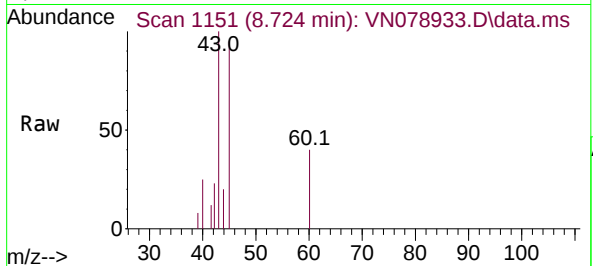




#44
Isopropyl Acetate
Concen: 0.599 ug/l
RT: 8.724 min Scan# 1151
Delta R.T. 0.029 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

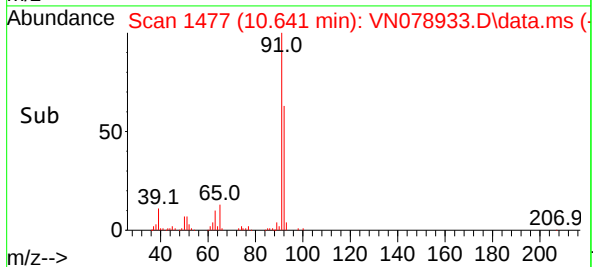
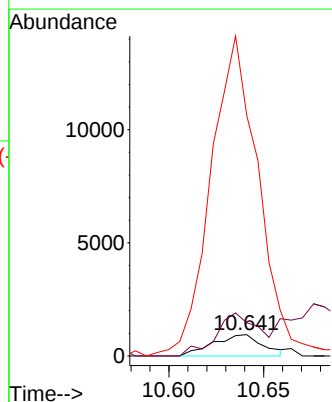
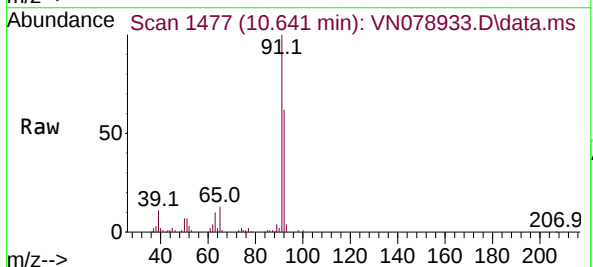
Instrument :
MSVOA_N
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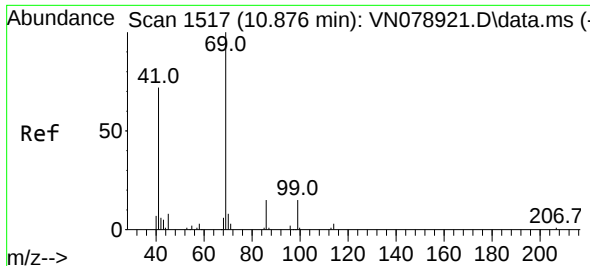
Tgt Ion: 43 Resp: 3858
Ion Ratio Lower Upper
43 100
61 56.2 19.0 28.4#



#49
cis-1,3-Dichloropropene
Concen: 0.428 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. 0.324 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

Tgt Ion: 75 Resp: 1710
Ion Ratio Lower Upper
75 100
77 156.0 27.8 41.8#
39 1064.2 43.5 65.3#

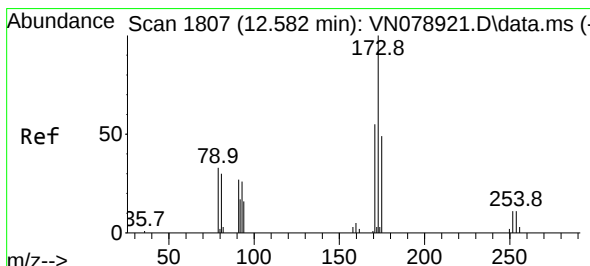
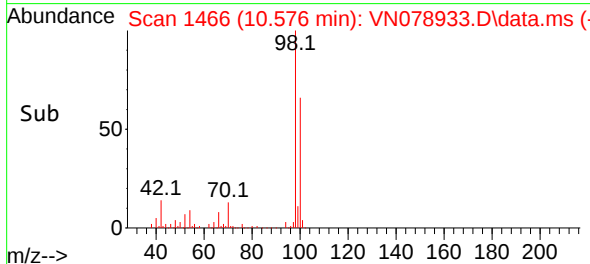
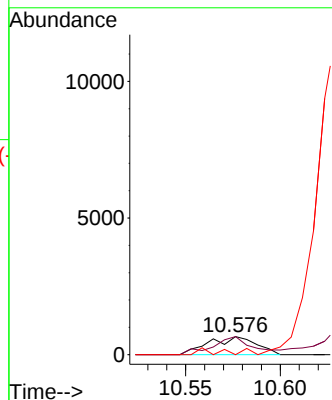
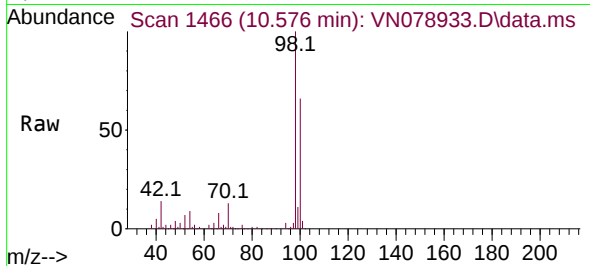




#51
Ethyl methacrylate
Concen: 0.317 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.300 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

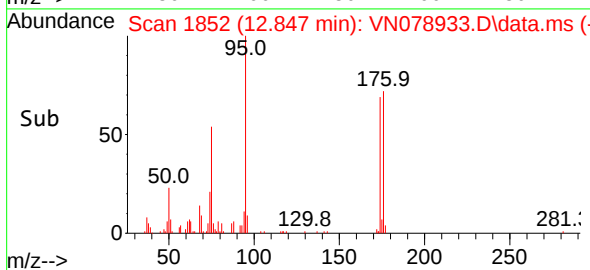
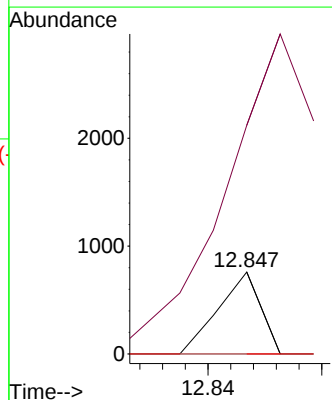
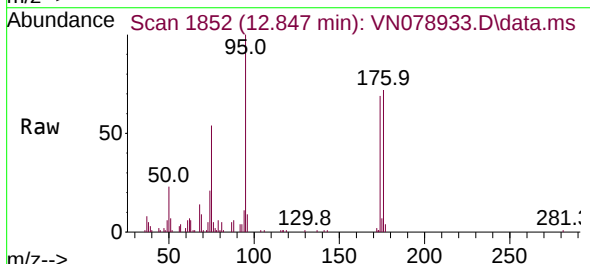
Instrument :
MSVOA_N
ClientSampleId :

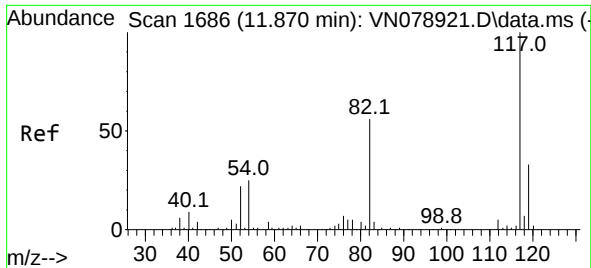
Tgt Ion: 69 Resp: 1153
Ion Ratio Lower Upper
69 100
41 99.7 35.9 107.8
39 0.0 23.5 70.5#



#56
Bromoform
Concen: 0.217 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

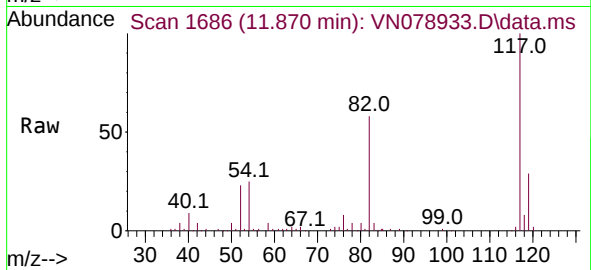
Tgt Ion:173 Resp: 394
Ion Ratio Lower Upper
173 100
175 1094.7 38.8 58.2#
254 0.0 7.6 11.4#



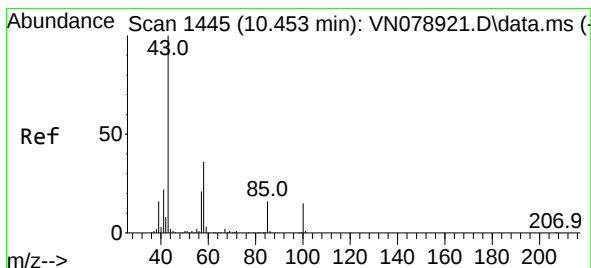
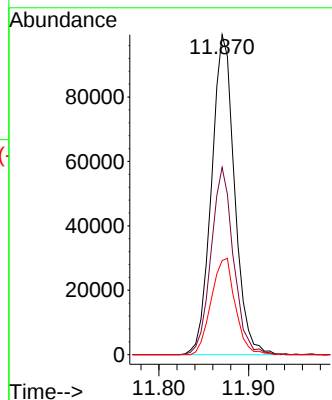
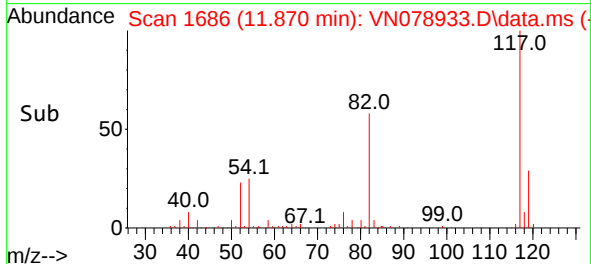


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :

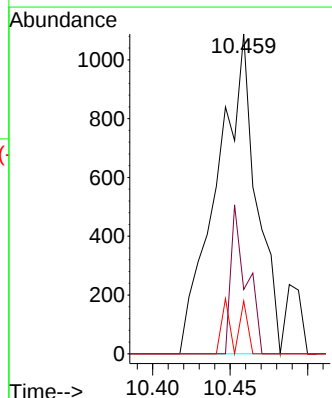
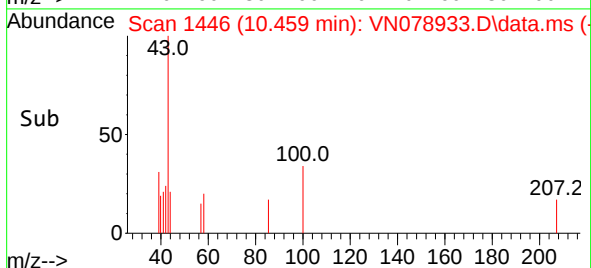
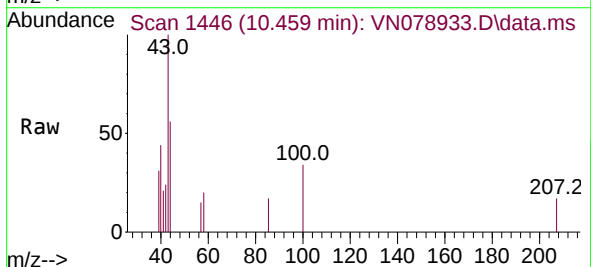


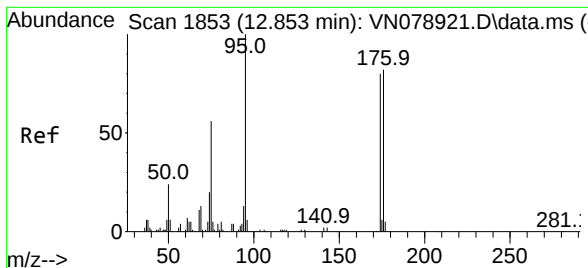
Tgt Ion:117 Resp: 176970
Ion Ratio Lower Upper
117 100
82 57.3 43.4 65.0
119 31.4 25.5 38.3



#58
4-Methyl-2-Pentanone
Concen: 0.549 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

Tgt Ion: 43 Resp: 1928
Ion Ratio Lower Upper
43 100
58 18.3 28.8 43.2#
85 3.4 12.7 19.1#

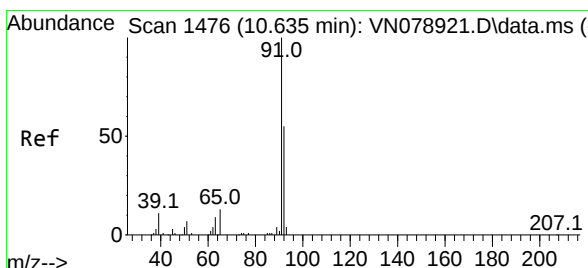
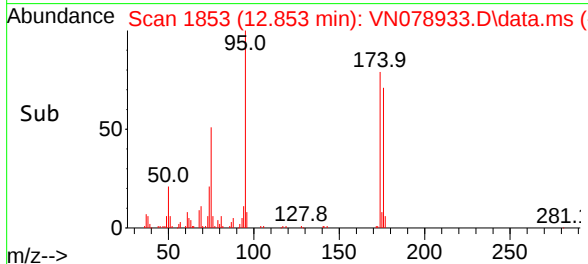
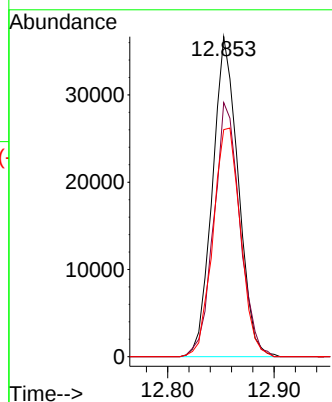
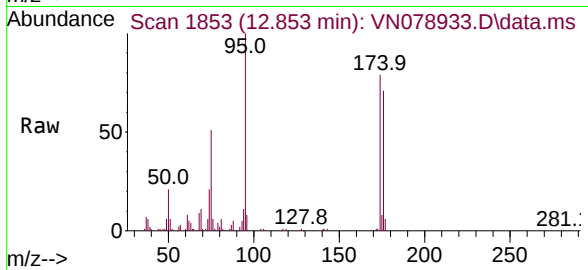




#60
4-Bromofluorobenzene
Concen: 23.933 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

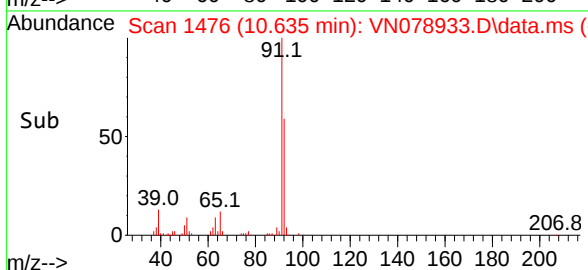
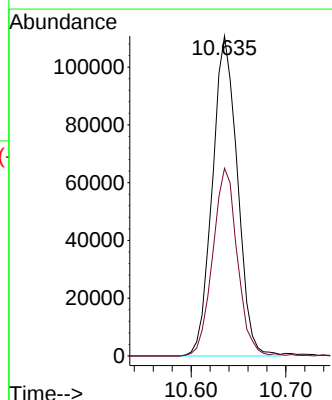
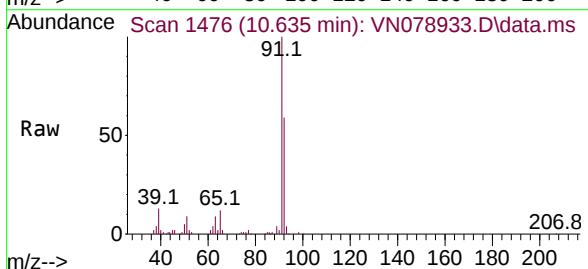
Instrument :
MSVOA_N
ClientSampleId :

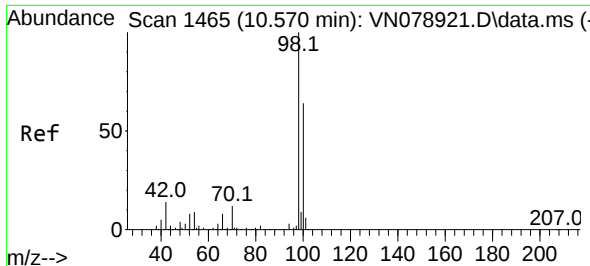
Tgt Ion: 95 Resp: 61784
Ion Ratio Lower Upper
95 100
174 80.1 64.8 97.2
176 76.1 63.0 94.6



#62
Toluene
Concen: 21.032 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

Tgt Ion: 91 Resp: 203204
Ion Ratio Lower Upper
91 100
92 57.5 44.7 67.1

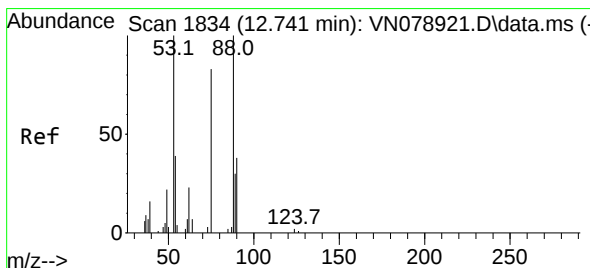
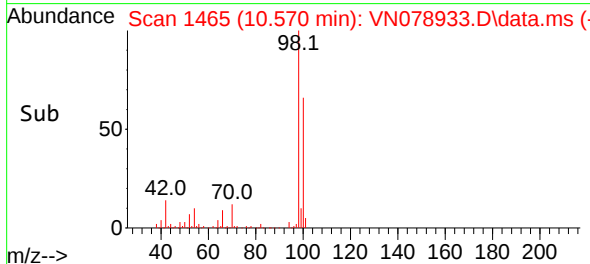
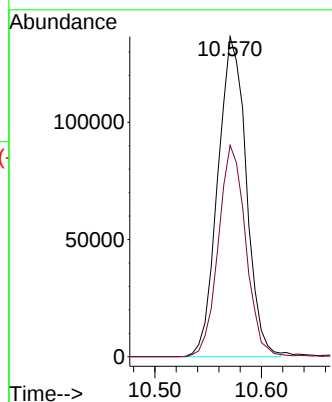
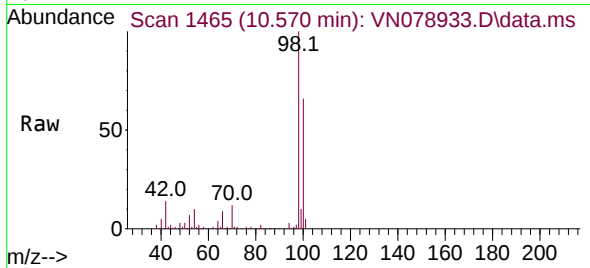




#63
Toluene-d8
Concen: 30.593 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 252831
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 33.662 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

Tgt Ion: 75 Resp: 34633
Ion Ratio Lower Upper
75 100
53 0.0 60.1 180.3#
89 0.0 22.9 68.8#

