

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060123\
 Data File : VN078009.D
 Acq On : 01 Jun 2023 13:43
 Operator : JC\MD
 Sample : VN0601WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0601WBL01

Quant Time: Jun 02 01:50:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

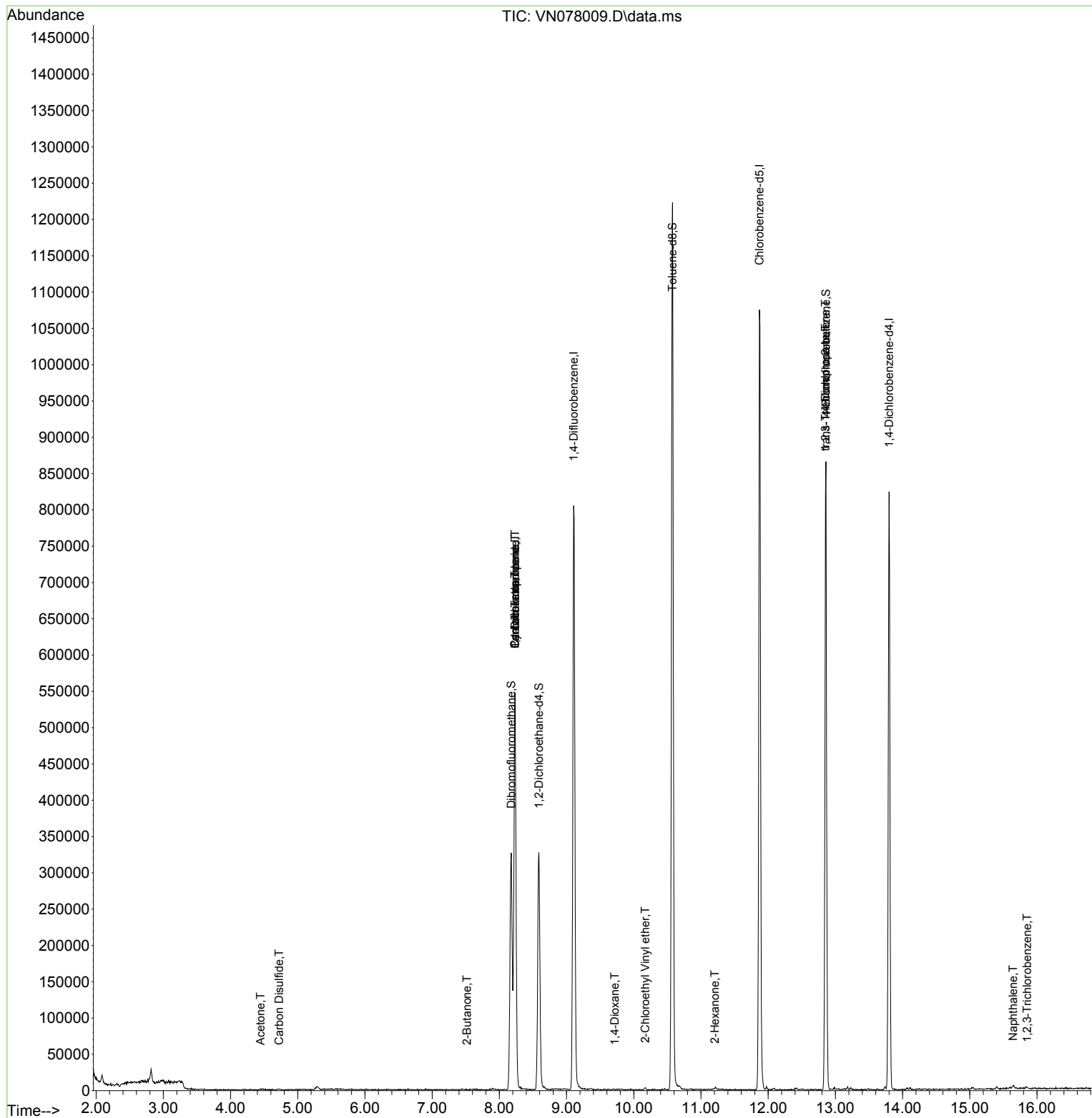
Internal Standards						
1) Pentafluorobenzene	8.236	168	383595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	724403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	652955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	219545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	274332	47.797	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.600%
35) Dibromofluoromethane	8.177	113	238944	50.584	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.160%
50) Toluene-d8	10.577	98	901165	49.563	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.120%
62) 4-Bromofluorobenzene	12.859	95	298785	46.529	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1169	Below Cal	#	63
13) Acrolein	4.189	56	420	Below Cal	#	71
16) Acetone	4.448	43	625	0.346	ug/l #	40
17) Carbon Disulfide	4.724	76	2420	0.223	ug/l #	75
20) Methylene Chloride	5.295	84	3310	Below Cal	#	87
25) 2-Butanone	7.518	43	586	0.207	ug/l #	37
31) Cyclohexane	8.230	56	9936	1.274	ug/l #	10
36) 1,1-Dichloropropene	8.236	75	32174	4.657	ug/l #	49
38) Carbon Tetrachloride	8.236	117	44101	6.321	ug/l #	16
49) 1,4-Dioxane	9.718	88	72	0.799	ug/l #	67
58) 2-Chloroethyl Vinyl ether	10.171	63	1320	0.352	ug/l	97
59) 2-Hexanone	11.206	43	1547	0.350	ug/l	67
76) 1,2,3-Trichloropropane	12.853	75	164741	29.963	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	164741	95.776	ug/l #	15
95) Naphthalene	15.647	128	3332	0.222	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.853	180	1420	0.333	ug/l #	85

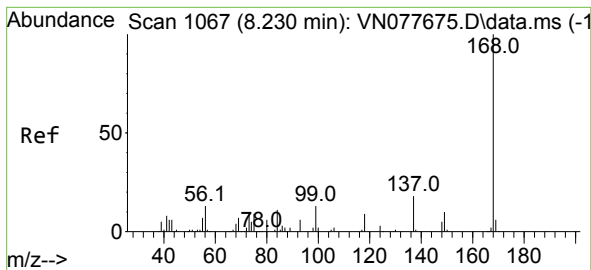
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 02 01:50:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
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QLast Update : Tue May 16 04:07:42 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN078009.D

Acq: 01 Jun 2023 13:43

Instrument :

MSVOA_N

ClientSampleId :

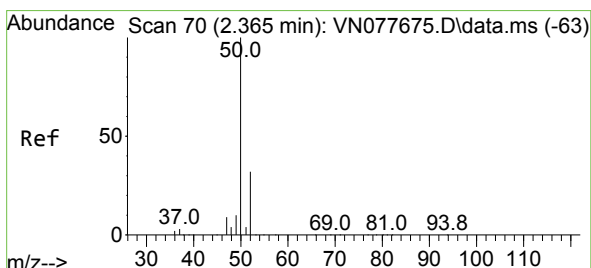
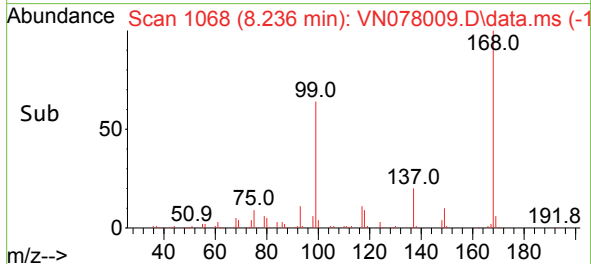
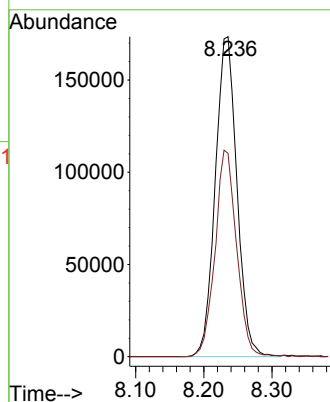
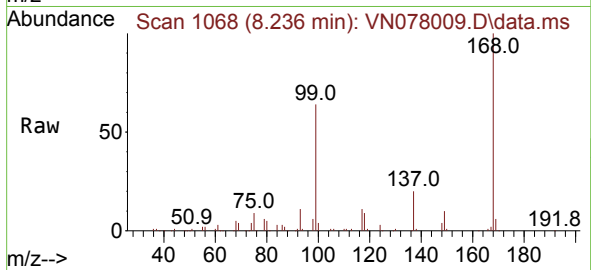
VN0601WBL01

Tgt Ion:168 Resp: 383595

Ion Ratio Lower Upper

168 100

99 63.6 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.377 min Scan# 72

Delta R.T. 0.012 min

Lab File: VN078009.D

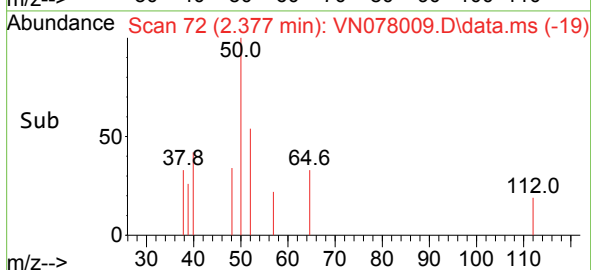
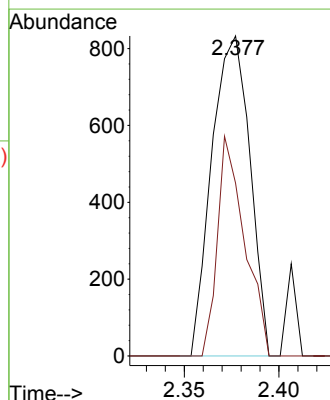
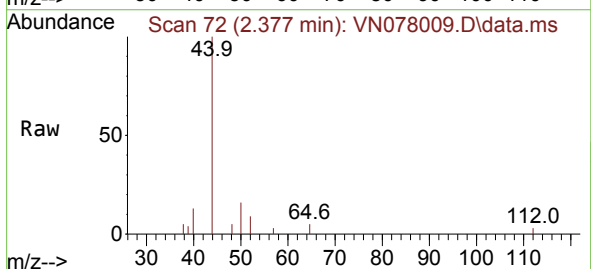
Acq: 01 Jun 2023 13:43

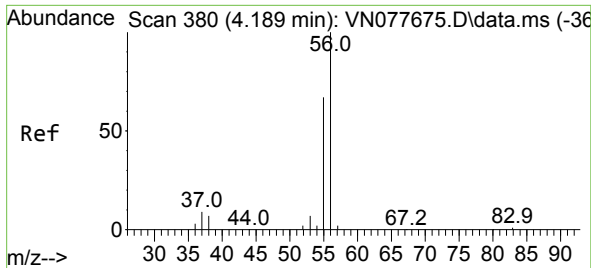
Tgt Ion: 50 Resp: 1169

Ion Ratio Lower Upper

50 100

52 54.0 26.5 39.7#

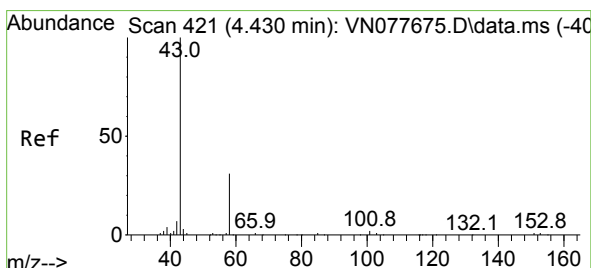
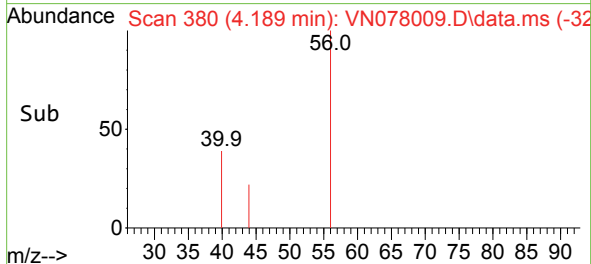
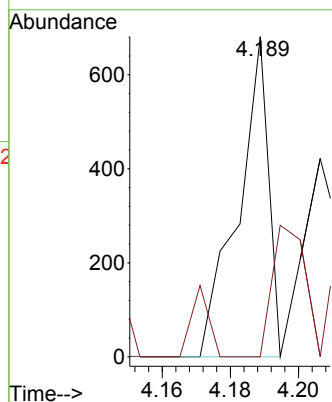
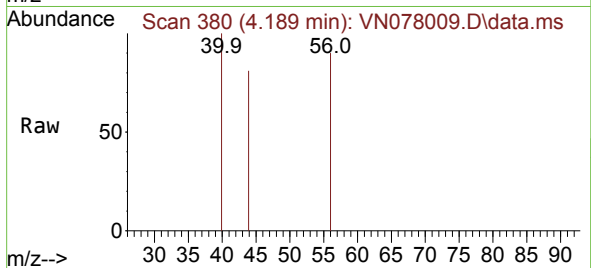




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

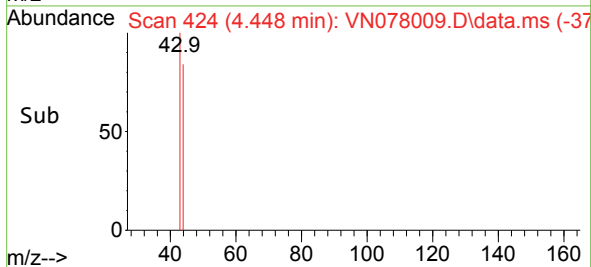
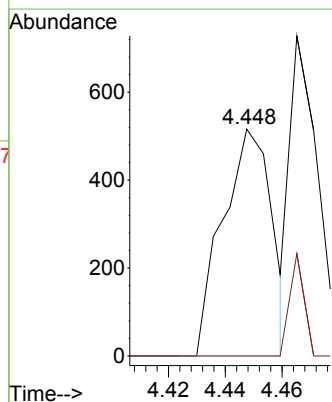
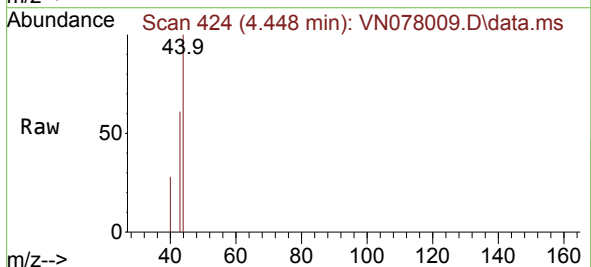
Instrument :
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VN0601WBL01

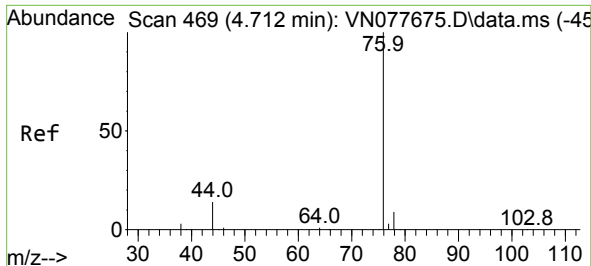
Tgt Ion: 56 Resp: 420
Ion Ratio Lower Upper
56 100
55 44.5 54.5 81.7#



#16
Acetone
Concen: 0.346 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

Tgt Ion: 43 Resp: 625
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

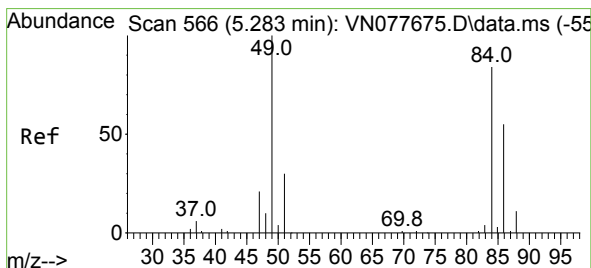
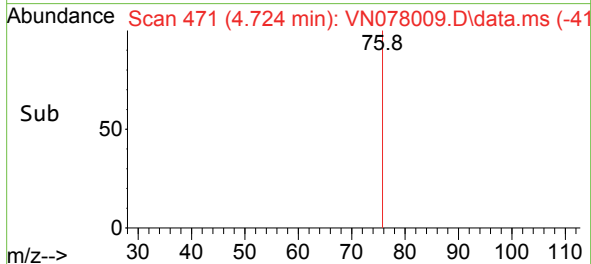
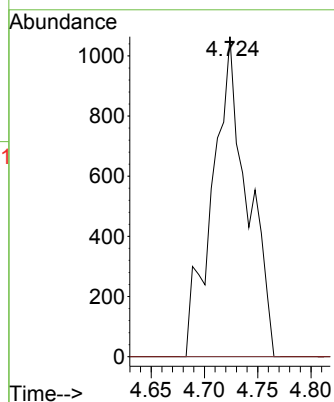
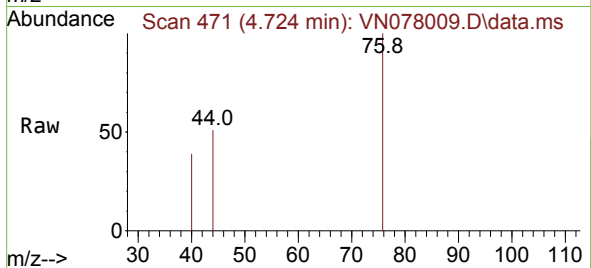




#17
Carbon Disulfide
Concen: 0.223 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

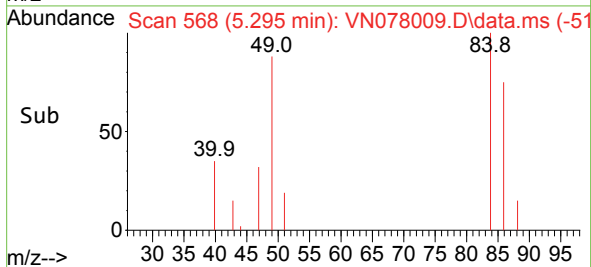
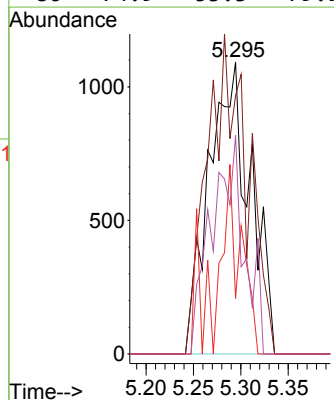
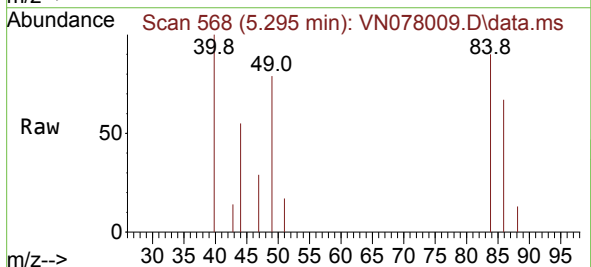
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MSVOA_N
ClientSampleId :
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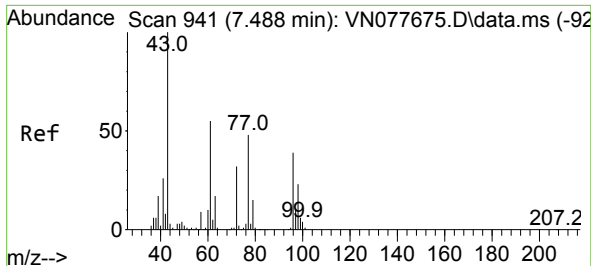
Tgt Ion: 76 Resp: 2420
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 568
Delta R.T. 0.012 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

Tgt Ion: 84 Resp: 3310
Ion Ratio Lower Upper
84 100
49 88.5 79.7 119.5
51 19.0 25.2 37.8#
86 74.9 53.3 79.9

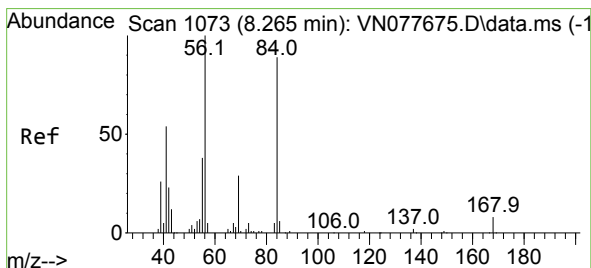
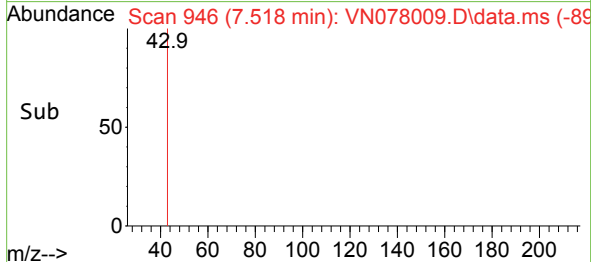
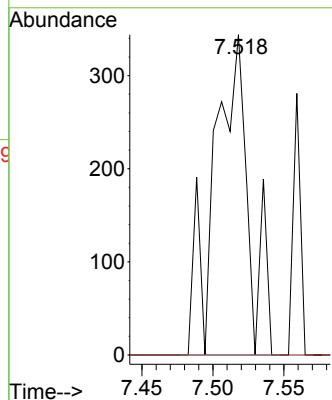
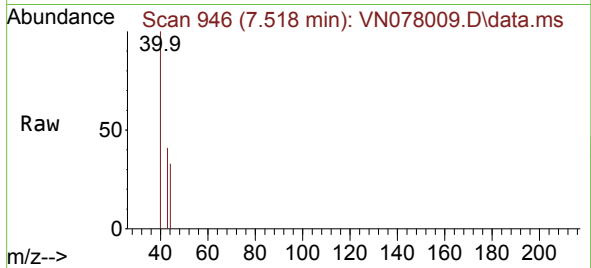




#25
2-Butanone
Concen: 0.207 ug/l
RT: 7.518 min Scan# 941
Delta R.T. 0.030 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

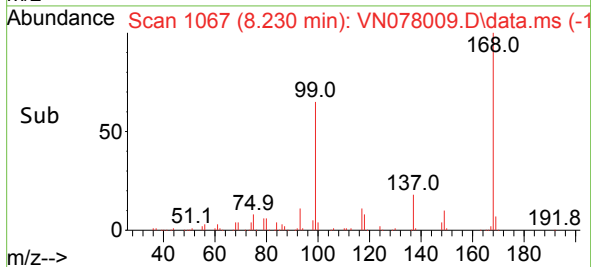
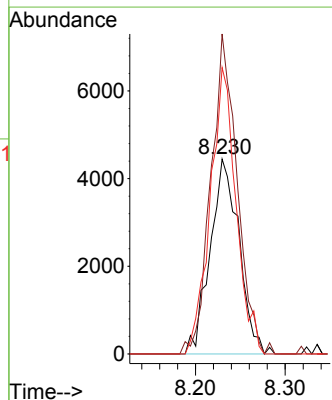
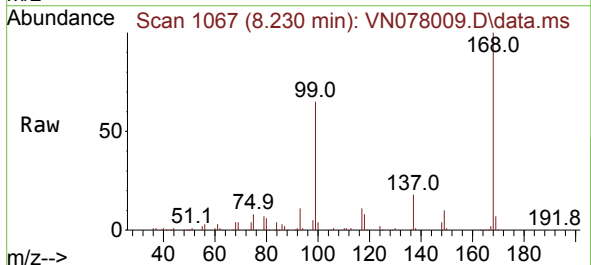
Instrument :
MSVOA_N
ClientSampleId :
VN0601WBL01

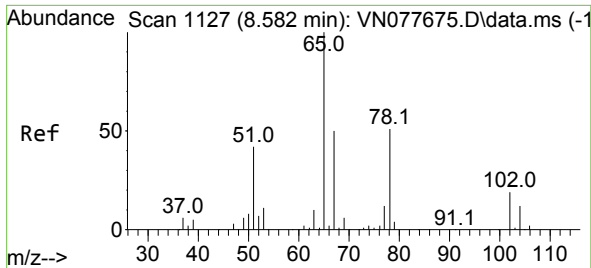
Tgt Ion: 43 Resp: 586
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.274 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

Tgt Ion: 56 Resp: 9936
Ion Ratio Lower Upper
56 100
69 164.2 26.8 40.2#
84 146.9 81.8 122.6#

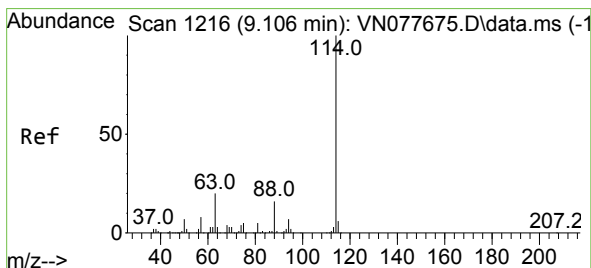
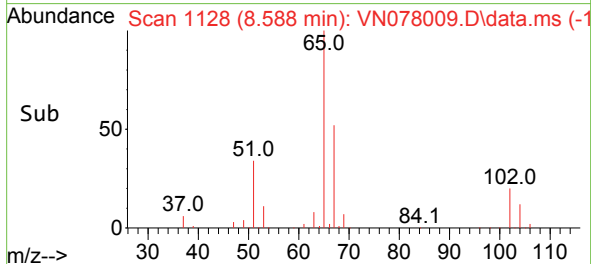
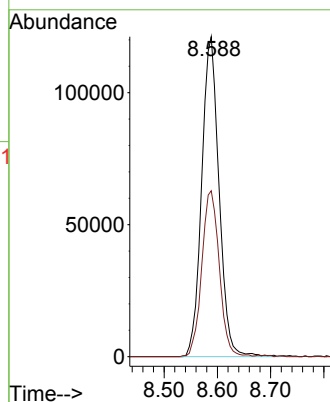
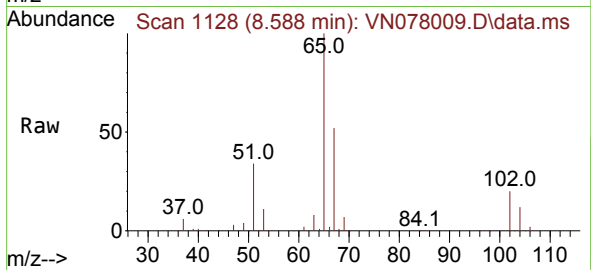




#33
 1,2-Dichloroethane-d4
 Concen: 47.797 ug/l
 RT: 8.588 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VN078009.D
 Acq: 01 Jun 2023 13:43

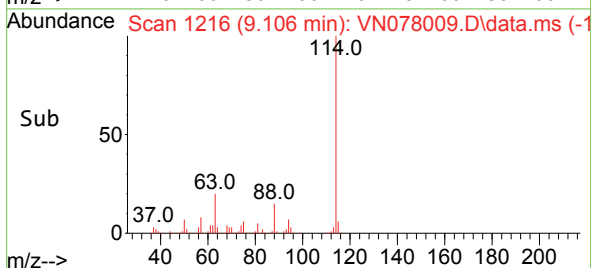
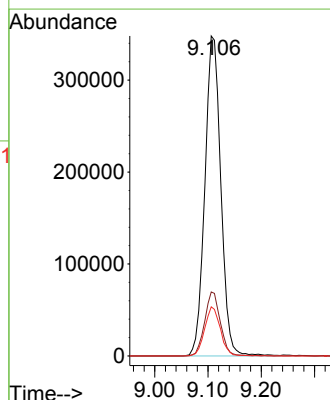
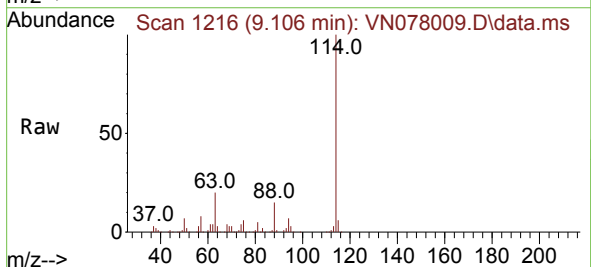
Instrument :
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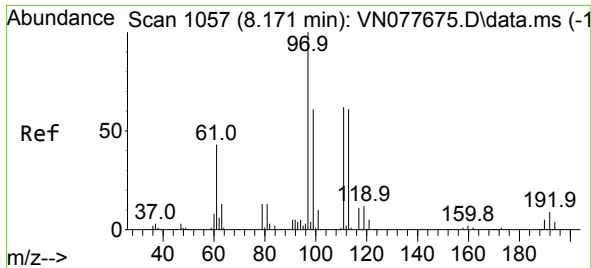
Tgt Ion: 65 Resp: 274332
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN078009.D
 Acq: 01 Jun 2023 13:43

Tgt Ion: 114 Resp: 724403
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 36.4
 88 15.4 0.0 30.6

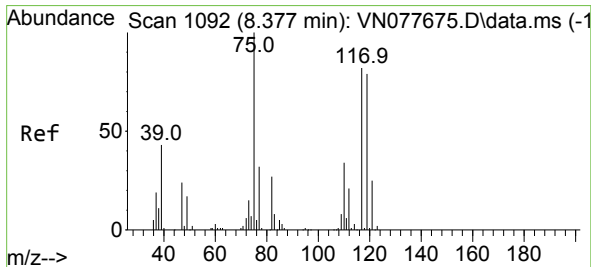
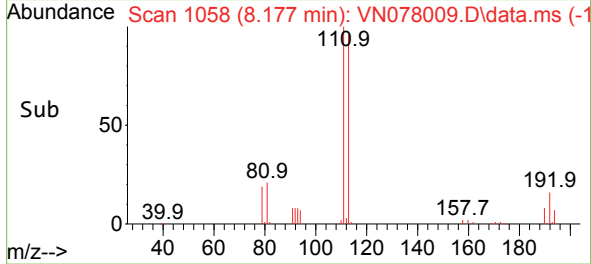
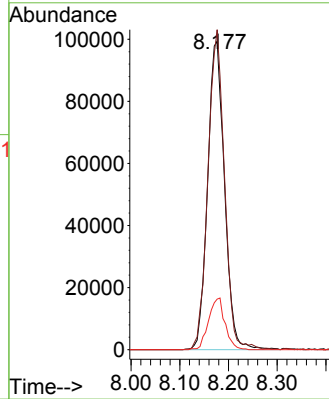
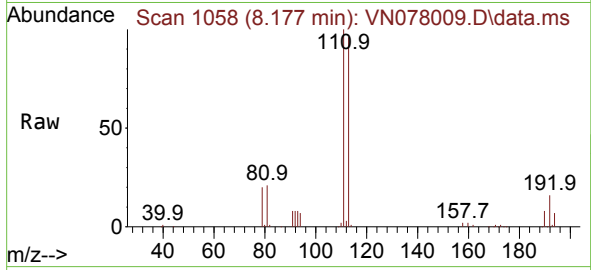




#35
Dibromofluoromethane
Concen: 50.584 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

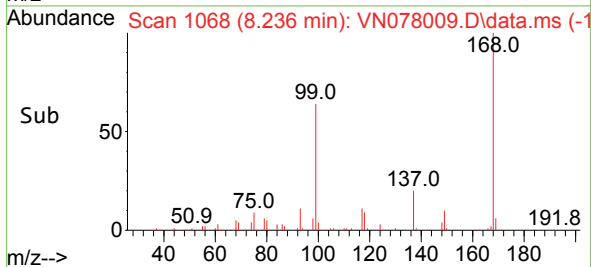
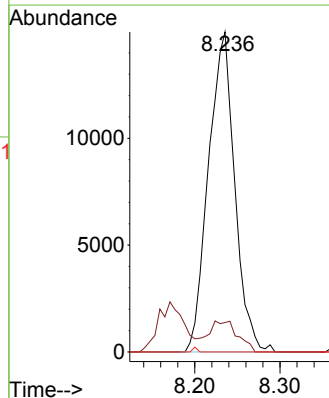
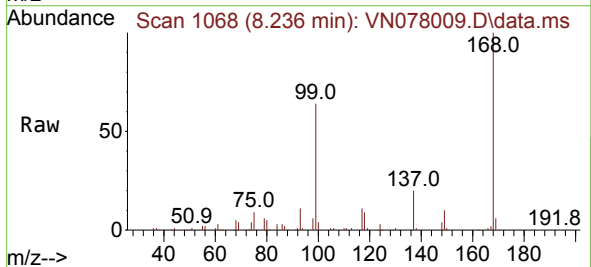
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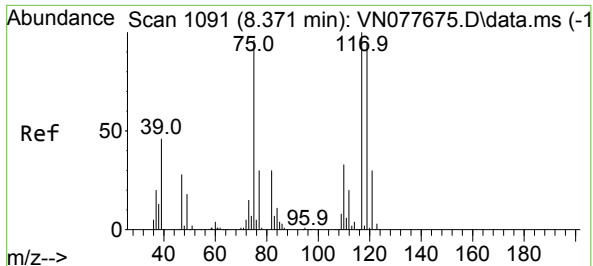
Tgt Ion:113 Resp: 238944
Ion Ratio Lower Upper
113 100
111 101.5 82.6 123.8
192 16.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.657 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

Tgt Ion: 75 Resp: 32174
Ion Ratio Lower Upper
75 100
110 10.4 19.1 57.3#
77 0.0 25.0 37.4#

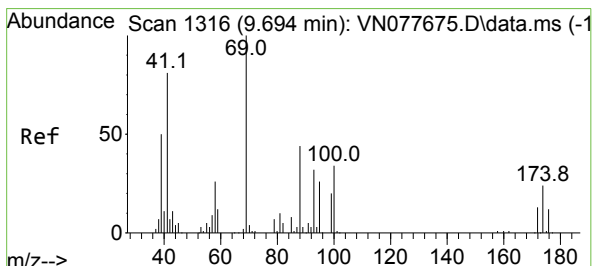
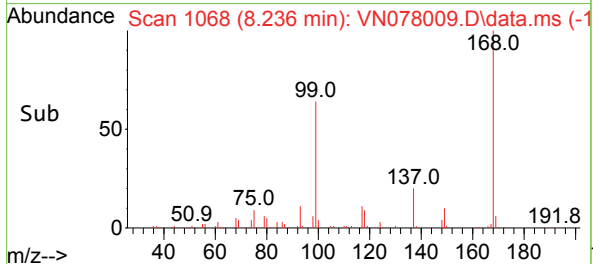
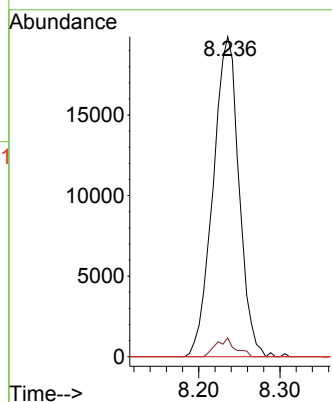
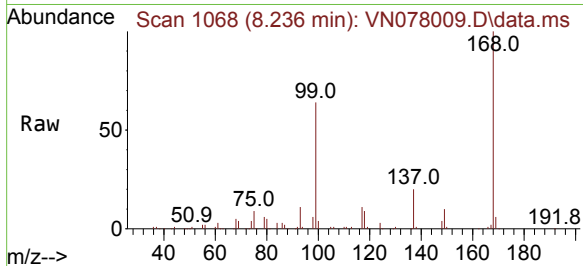




#38
Carbon Tetrachloride
Concen: 6.321 ug/l
RT: 8.236 min Scan# 1091
Delta R.T. -0.135 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

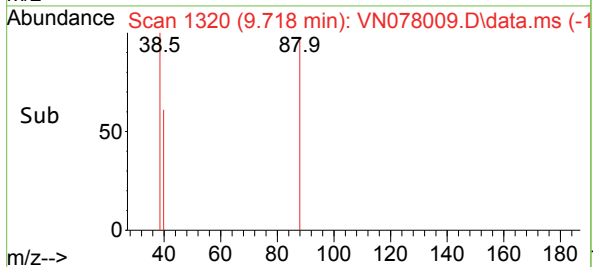
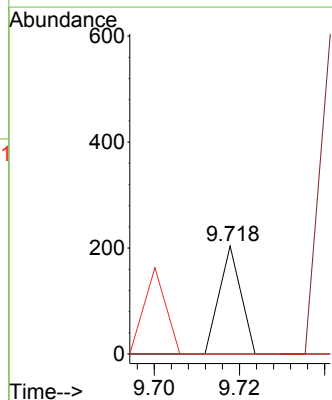
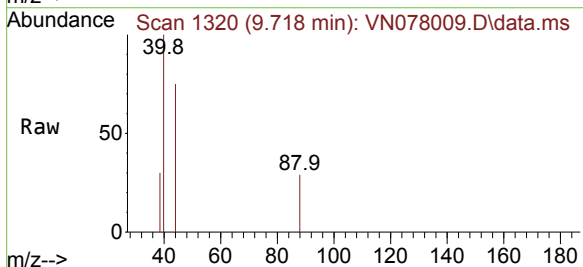
Instrument :
MSVOA_N
ClientSampleId :
VN0601WBL01

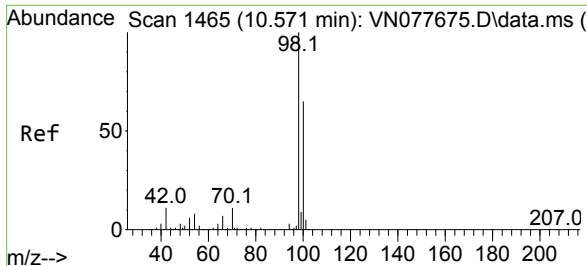
Tgt Ion:117 Resp: 44101
Ion Ratio Lower Upper
117 100
119 5.8 77.3 115.9#
121 0.0 23.3 34.9#



#49
1,4-Dioxane
Concen: 0.799 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.024 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

Tgt Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 80.6 47.0 70.4#

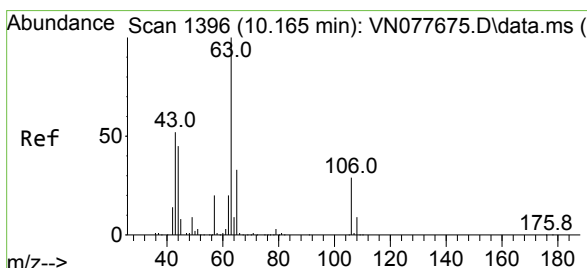
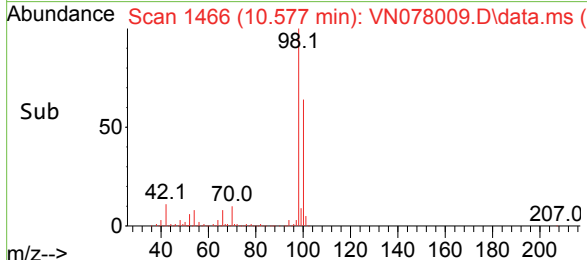
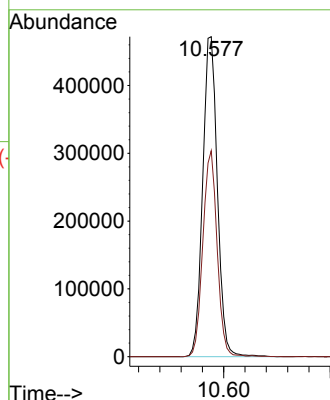
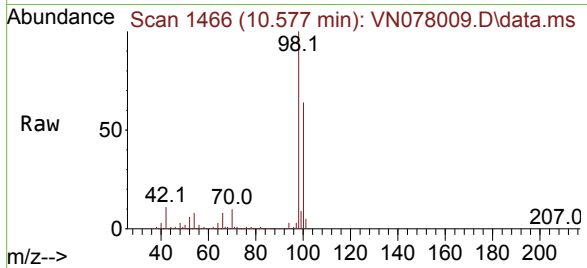




#50
Toluene-d8
Concen: 49.563 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

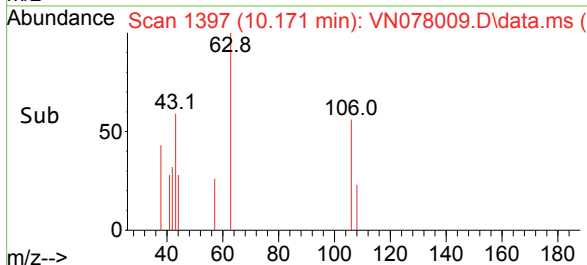
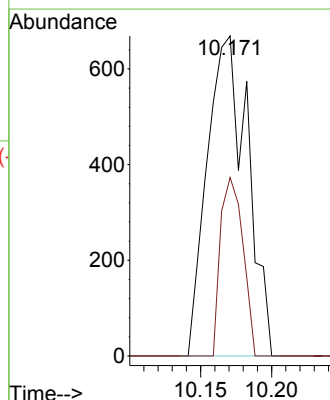
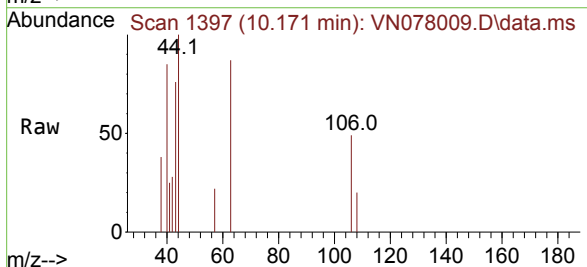
Instrument :
MSVOA_N
ClientSampleId :
VN0601WBL01

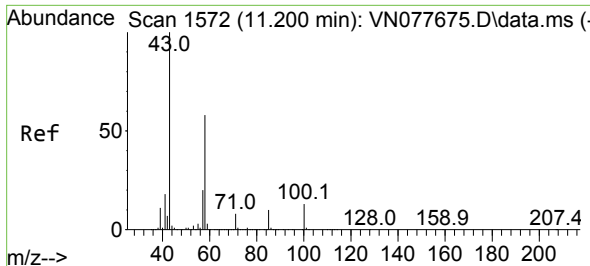
Tgt Ion: 98 Resp: 901165
Ion Ratio Lower Upper
98 100
100 62.3 52.0 78.0



#58
2-Chloroethyl Vinyl ether
Concen: 0.352 ug/l
RT: 10.171 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

Tgt Ion: 63 Resp: 1320
Ion Ratio Lower Upper
63 100
106 30.9 26.2 39.4

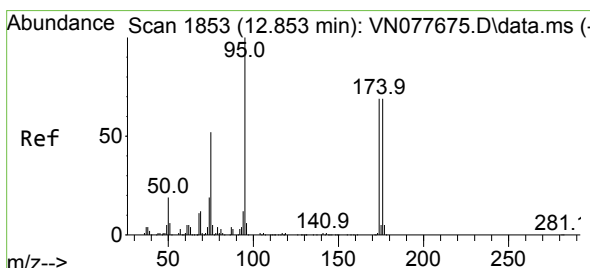
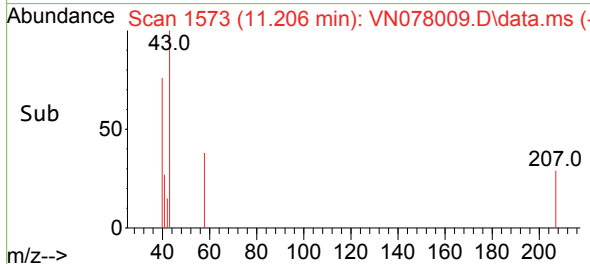
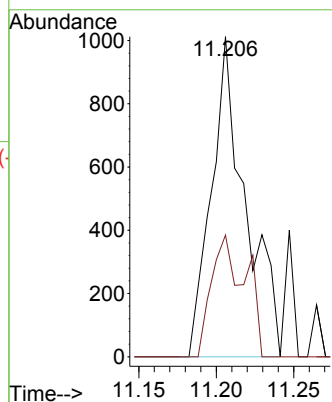
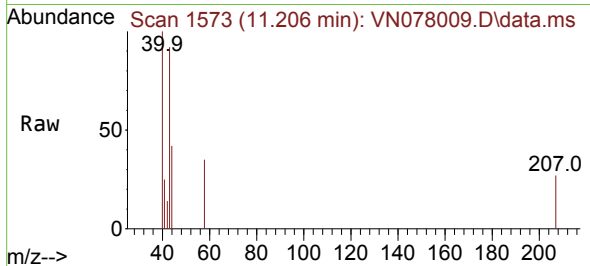




#59
2-Hexanone
Concen: 0.350 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

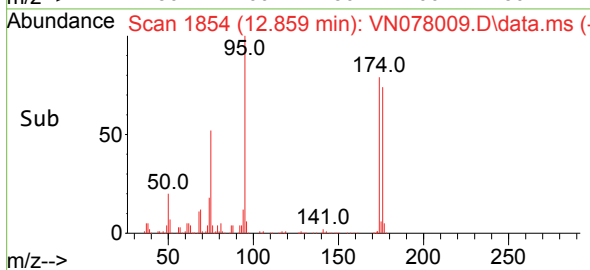
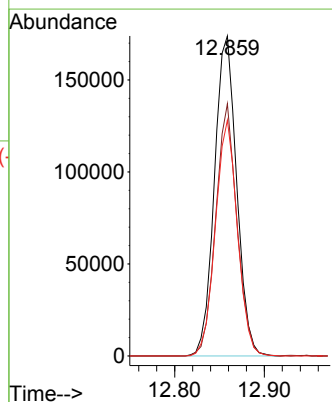
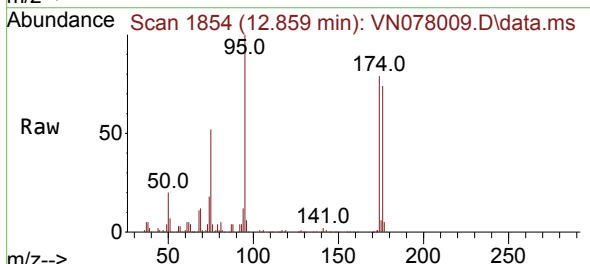
Instrument :
MSVOA_N
ClientSampleId :
VN0601WBL01

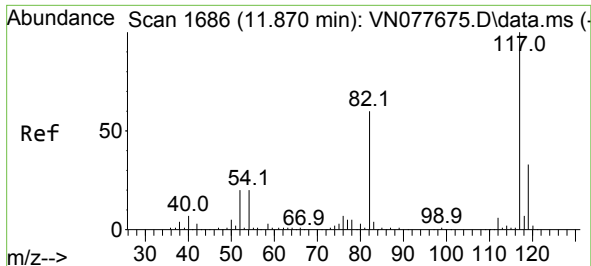
Tgt Ion: 43 Resp: 1547
Ion Ratio Lower Upper
43 100
58 37.6 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 46.529 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

Tgt Ion: 95 Resp: 298785
Ion Ratio Lower Upper
95 100
174 75.6 0.0 143.8
176 72.8 0.0 135.8

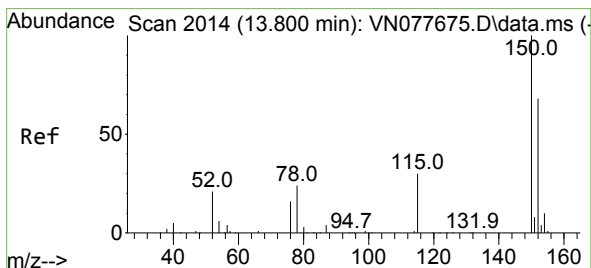
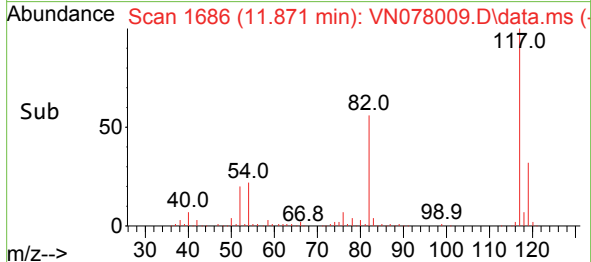
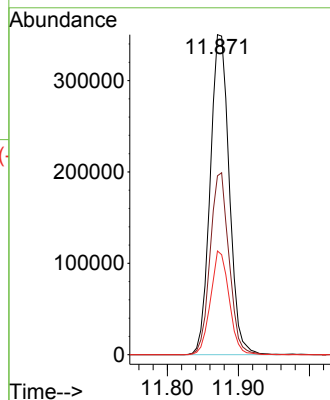
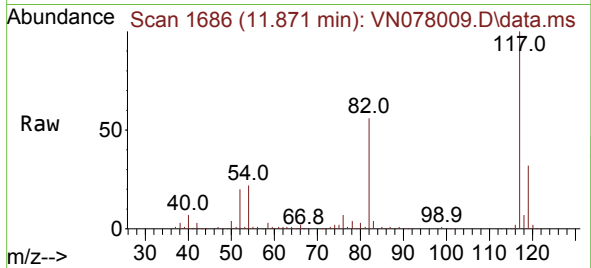




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

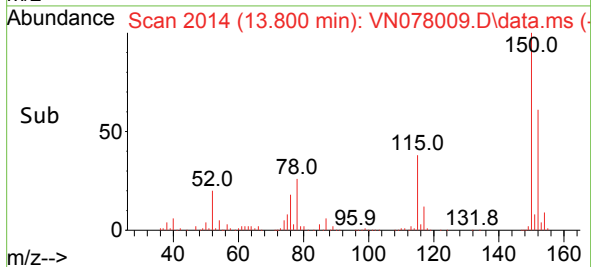
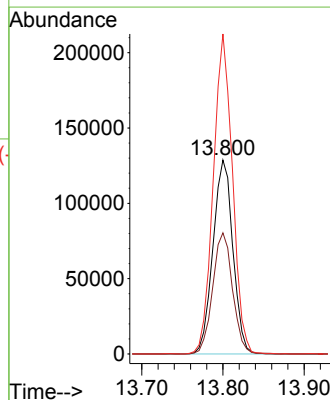
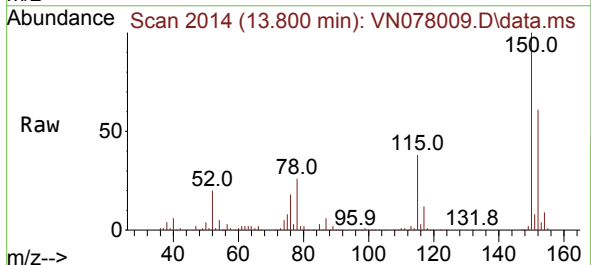
Instrument :
MSVOA_N
ClientSampleId :
VN0601WBL01

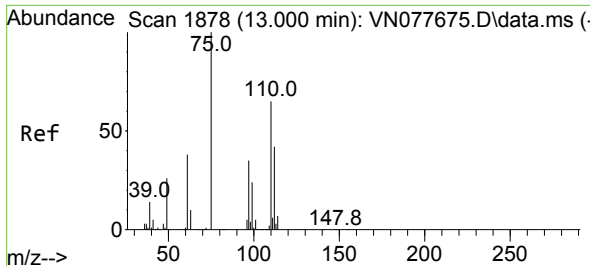
Tgt Ion:117 Resp: 652955
Ion Ratio Lower Upper
117 100
82 55.9 44.0 66.0
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

Tgt Ion:152 Resp: 219545
Ion Ratio Lower Upper
152 100
115 62.2 32.3 96.8
150 158.8 0.0 355.8

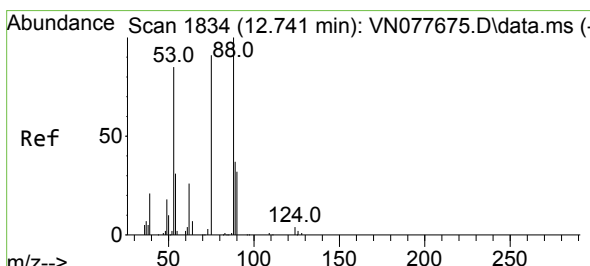
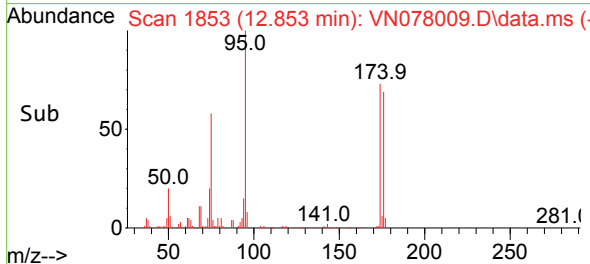
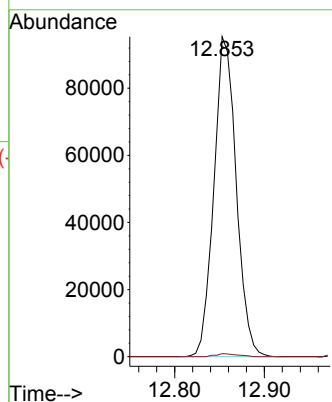
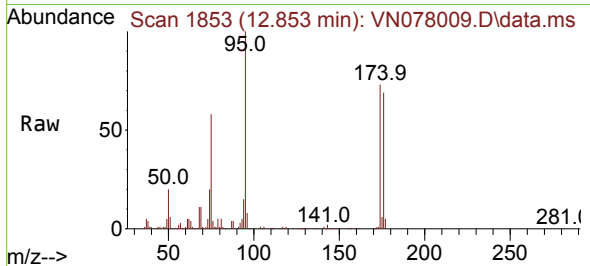




#76
1,2,3-Trichloropropane
Concen: 29.963 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

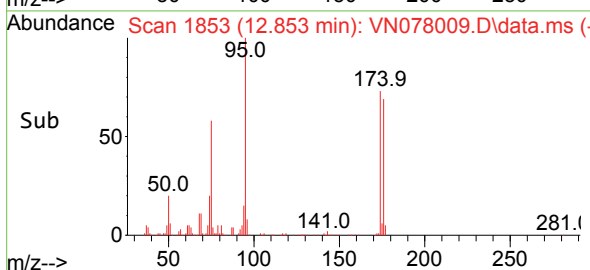
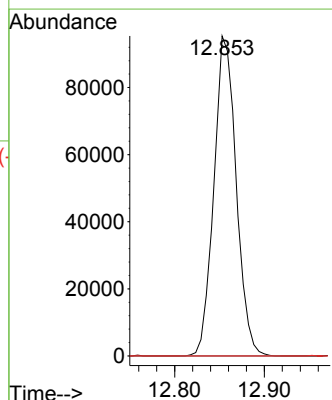
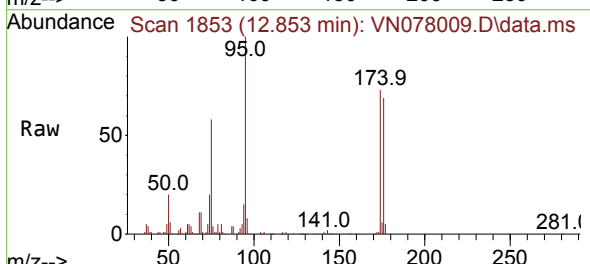
Instrument :
MSVOA_N
ClientSampleId :
VN0601WBL01

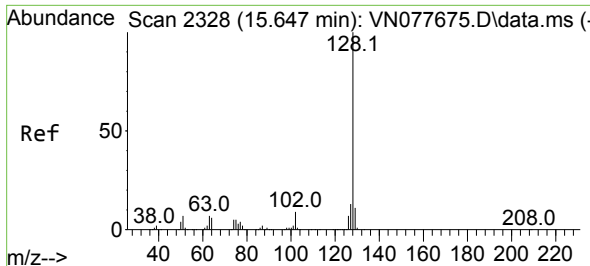
Tgt Ion: 75 Resp: 164741
Ion Ratio Lower Upper
75 100
77 0.9 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.776 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

Tgt Ion: 75 Resp: 164741
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

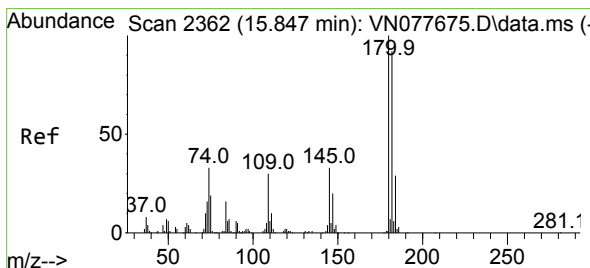
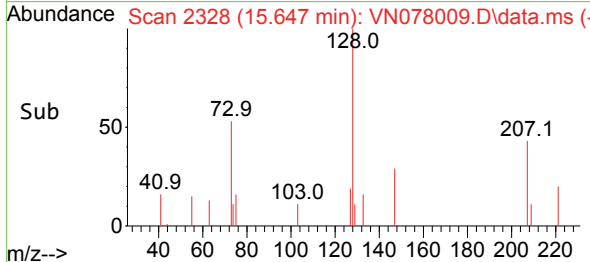
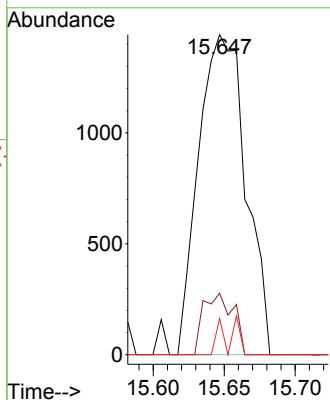
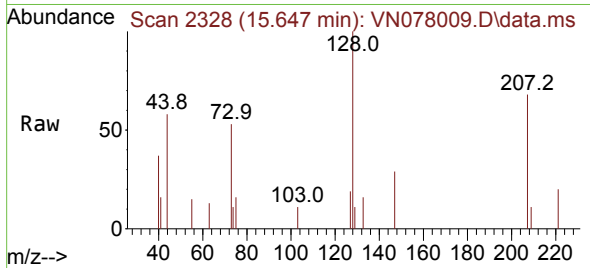




#95
Naphthalene
Concen: 0.222 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN0601WBL01

Tgt Ion:128 Resp: 3332
Ion Ratio Lower Upper
128 100
127 12.2 10.0 15.0
129 3.6 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.333 ug/l
RT: 15.853 min Scan# 2363
Delta R.T. 0.006 min
Lab File: VN078009.D
Acq: 01 Jun 2023 13:43

Tgt Ion:180 Resp: 1420
Ion Ratio Lower Upper
180 100
182 86.8 46.2 138.6
145 11.5 17.5 52.6#

