

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052623\
 Data File : VN077935.D
 Acq On : 26 May 2023 18:17
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 29 00:32:13 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)

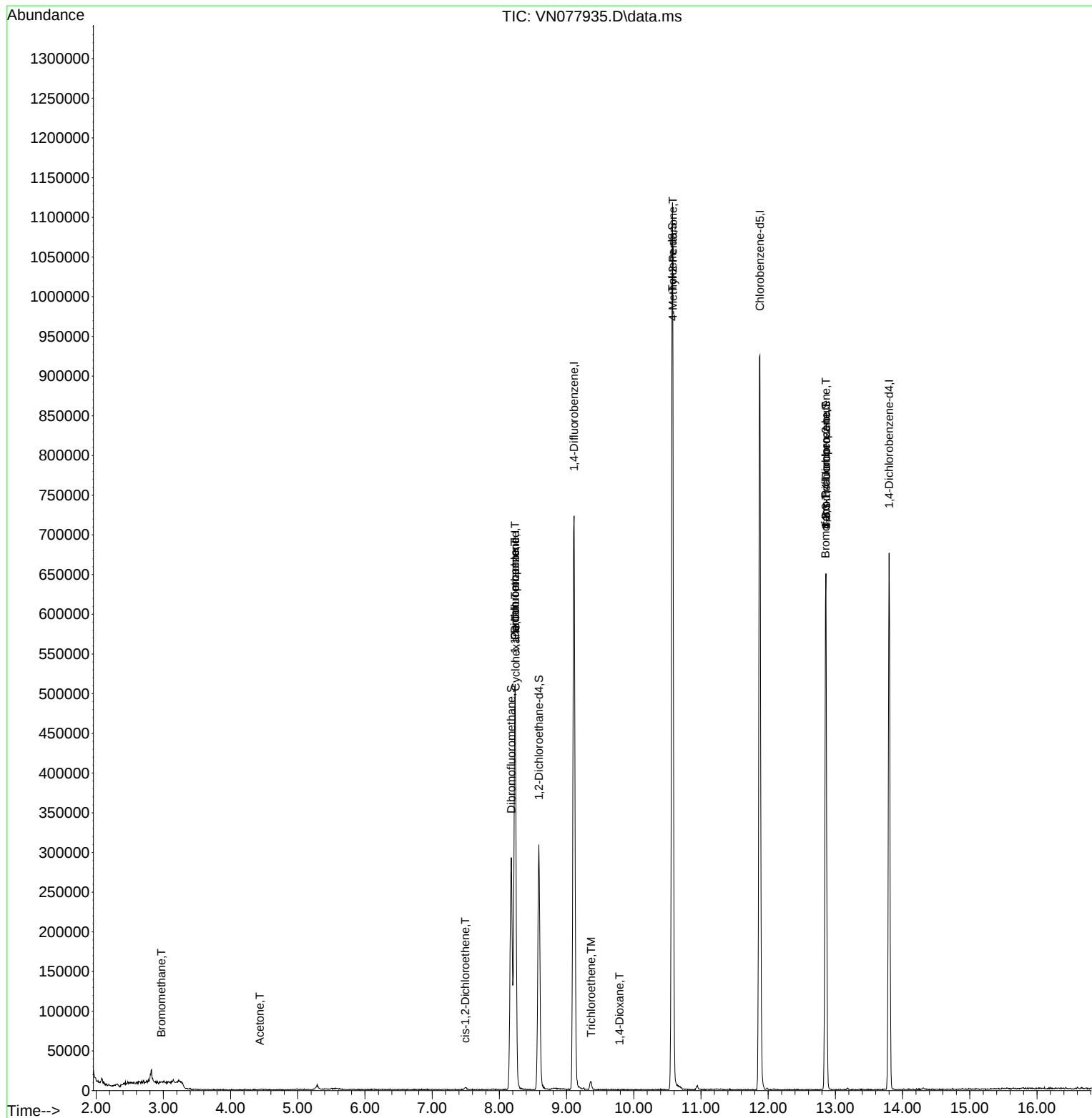
Internal Standards						
1) Pentafluorobenzene	8.236	168	361271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	652728	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	560900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	176120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	250257	46.296	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.600%
35) Dibromofluoromethane	8.177	113	210985	49.569	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.140%
50) Toluene-d8	10.577	98	806196	49.209	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.420%
62) 4-Bromofluorobenzene	12.859	95	234844	40.587	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	81.180%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1145	Below Cal	#	76
5) Bromomethane	2.971	94	883	0.230	ug/l #	75
13) Acrolein	4.206	56	72	Below Cal	#	1
16) Acetone	4.436	43	560	0.329	ug/l #	40
20) Methylene Chloride	5.283	84	4151	Below Cal	#	86
27) cis-1,2-Dichloroethene	7.494	96	1646	0.322	ug/l	50
31) Cyclohexane	8.241	56	9061	1.233	ug/l #	55
36) 1,1-Dichloropropene	8.230	75	32374	5.200	ug/l #	47
38) Carbon Tetrachloride	8.236	117	41083	6.535	ug/l #	16
44) Trichloroethene	9.365	130	3660	0.787	ug/l	78
49) 1,4-Dioxane	9.788	88	60	0.739	ug/l #	30
51) 4-Methyl-2-Pentanone	10.582	43	3370	0.626	ug/l #	1
71) Bromoform	12.853	173	1393	0.498	ug/l #	28
76) 1,2,3-Trichloropropane	12.859	75	123315	27.958	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	123315	89.369	ug/l #	15

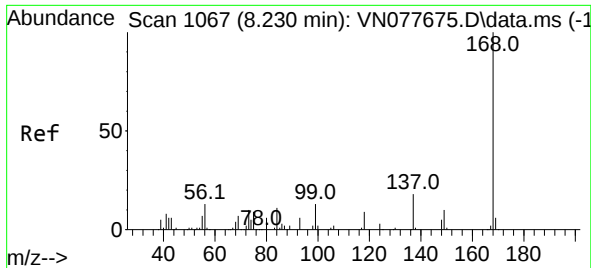
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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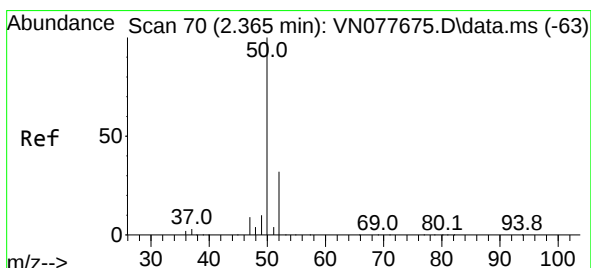
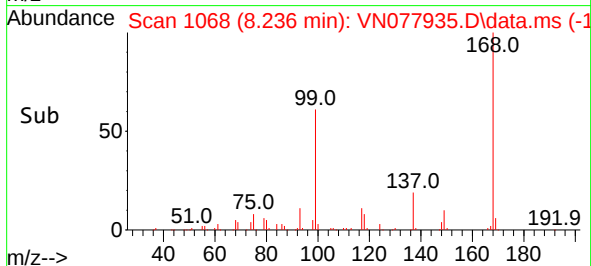
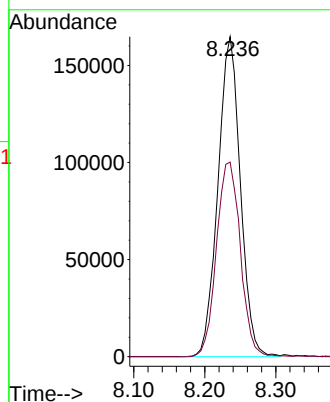
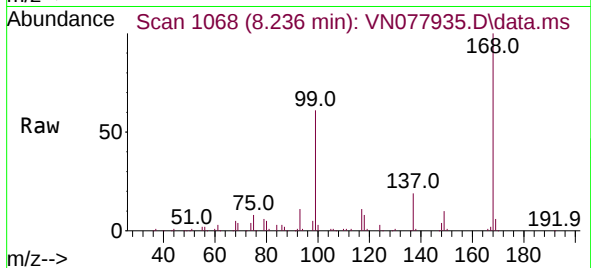




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077935.D
Acq: 26 May 2023 18:17

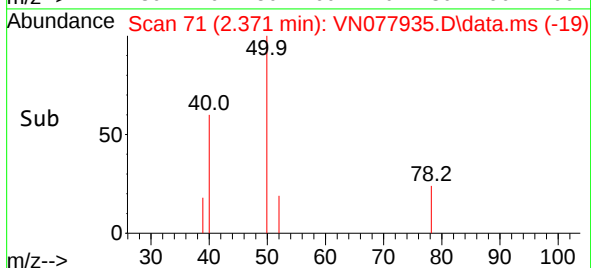
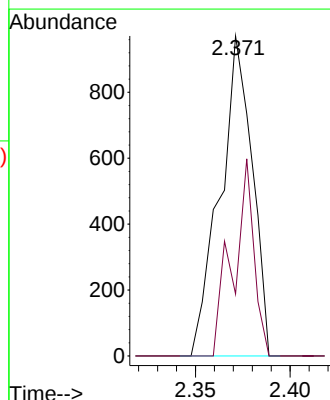
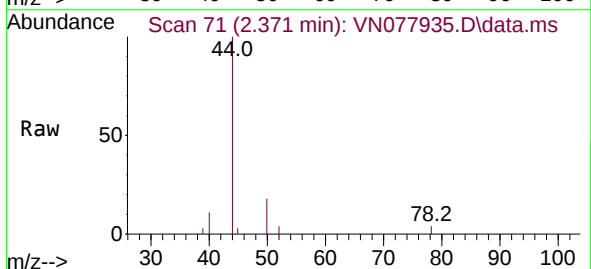
Instrument :
MSVOA_N
ClientSampleId :
IBLK

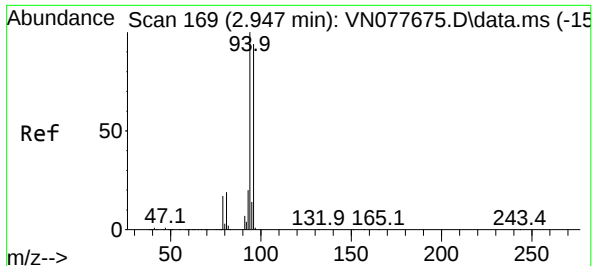
Tgt Ion:168 Resp: 361271
Ion Ratio Lower Upper
168 100
99 60.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077935.D
Acq: 26 May 2023 18:17

Tgt Ion: 50 Resp: 1145
Ion Ratio Lower Upper
50 100
52 19.4 26.5 39.7#

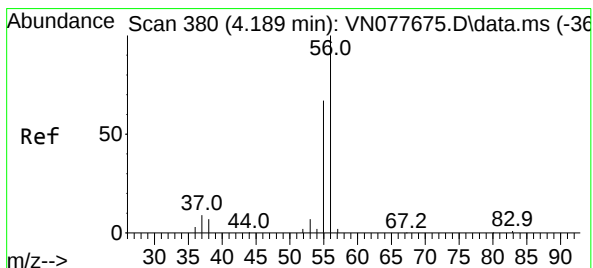
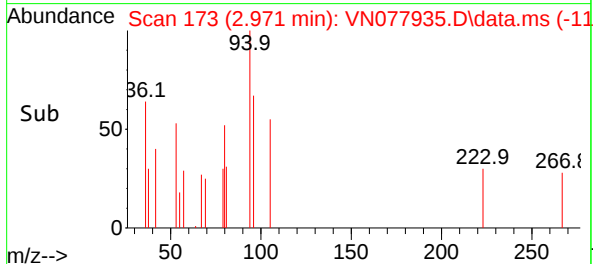
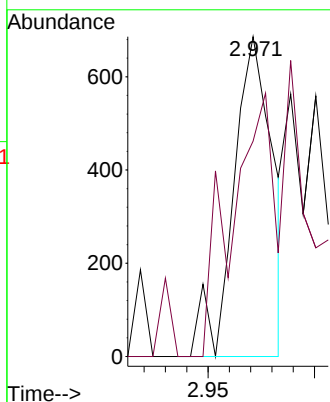
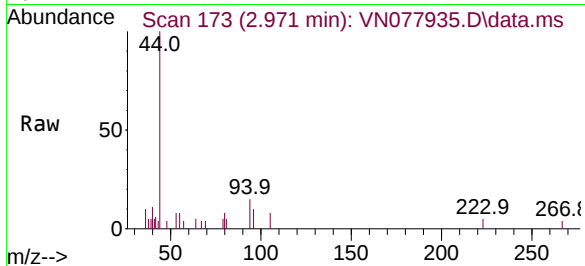




#5
Bromomethane
Concen: 0.230 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN077935.D
Acq: 26 May 2023 18:17

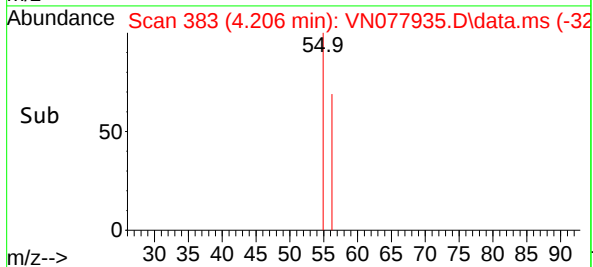
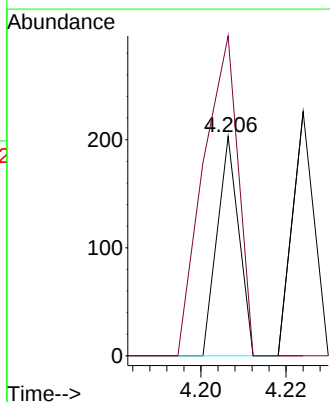
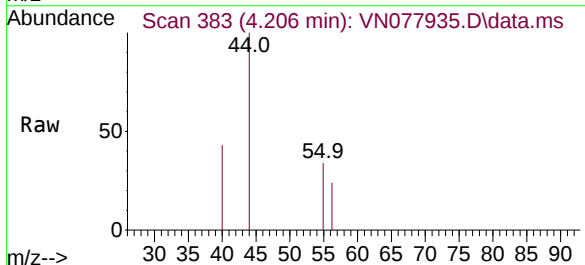
Instrument :
MSVOA_N
ClientSampleId :
IBLK

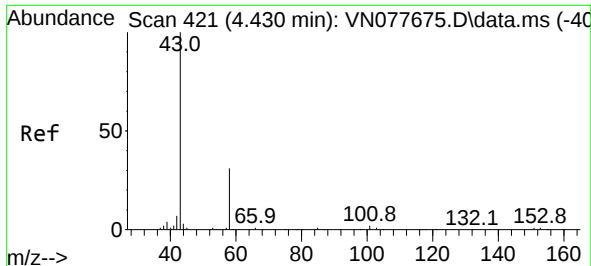
Tgt Ion: 94 Resp: 883
Ion Ratio Lower Upper
94 100
96 67.3 73.1 109.7#



#13
Acrolein
Concen: Below Cal
RT: 4.206 min Scan# 383
Delta R.T. 0.017 min
Lab File: VN077935.D
Acq: 26 May 2023 18:17

Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 233.3 54.5 81.7#

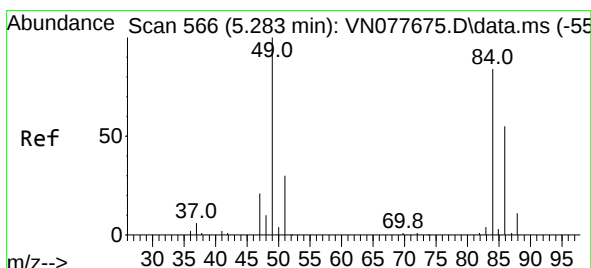
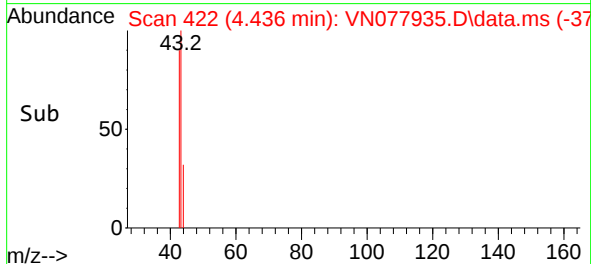
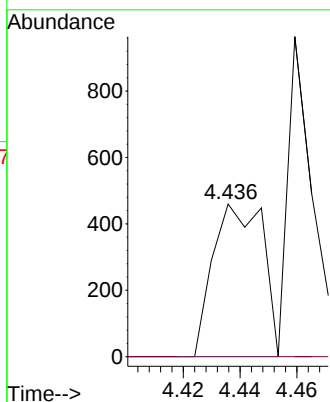
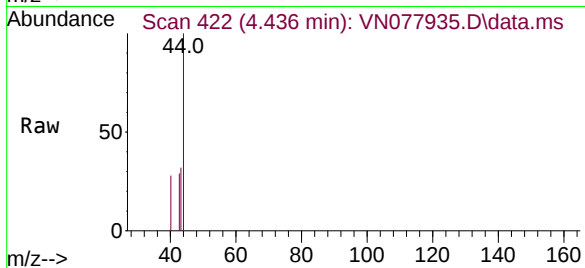




#16
Acetone
Concen: 0.329 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077935.D
Acq: 26 May 2023 18:17

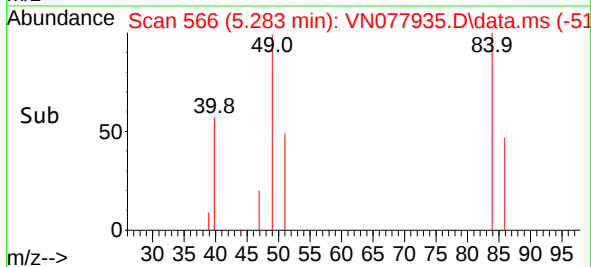
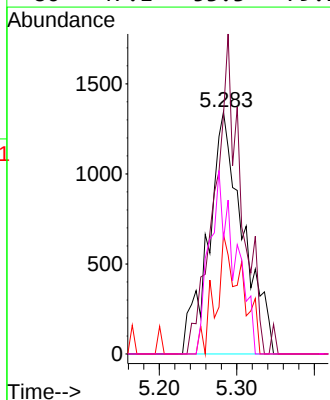
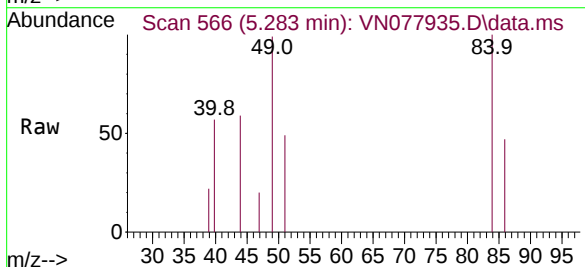
Instrument :
MSVOA_N
ClientSampleId :
IBLK

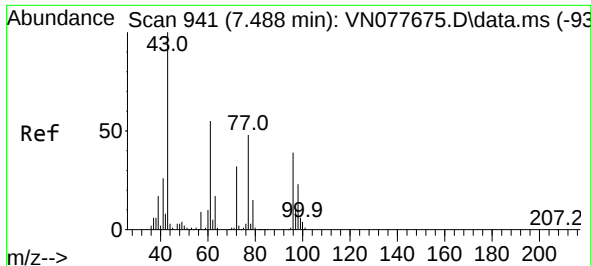
Tgt Ion: 43 Resp: 560
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN077935.D
Acq: 26 May 2023 18:17

Tgt Ion: 84 Resp: 4151
Ion Ratio Lower Upper
84 100
49 98.6 79.7 119.5
51 49.4 25.2 37.8#
86 47.1 53.3 79.9#





#27

cis-1,2-Dichloroethene

Concen: 0.322 ug/l

RT: 7.494 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN077935.D

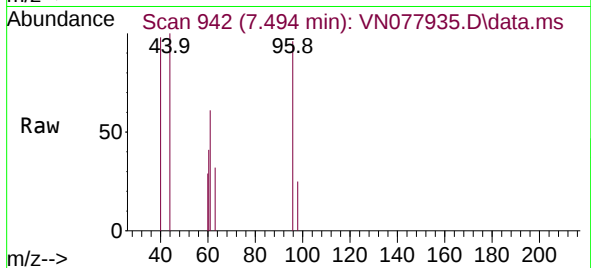
Acq: 26 May 2023 18:17

Instrument :

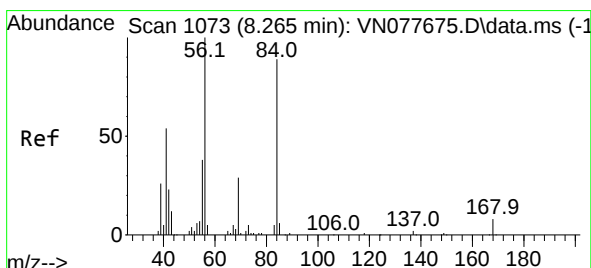
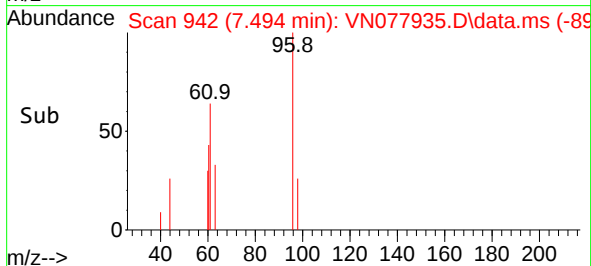
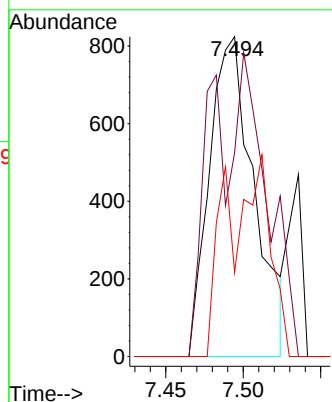
MSVOA_N

ClientSampleId :

IBLK



Tgt Ion: 96	Resp: 1646
Ion Ratio	Lower Upper
96	100
61	71.6 0.0 255.2
98	22.5 0.0 128.8



#31

Cyclohexane

Concen: 1.233 ug/l

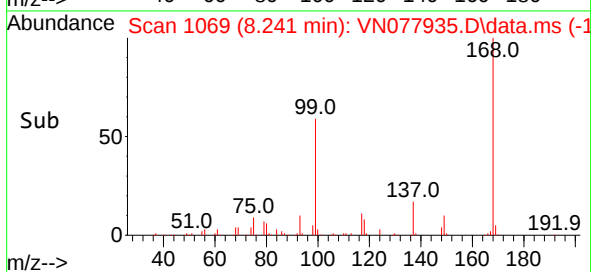
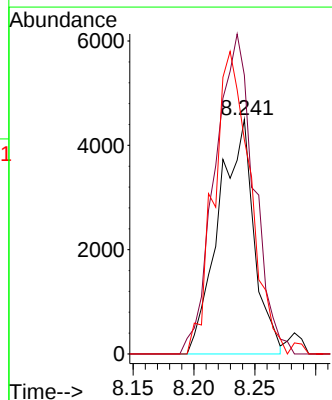
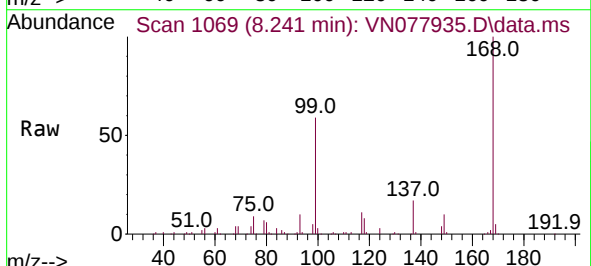
RT: 8.241 min Scan# 1069

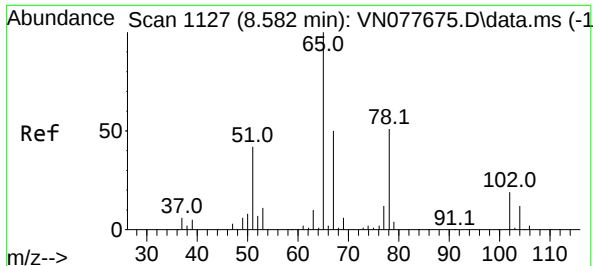
Delta R.T. -0.024 min

Lab File: VN077935.D

Acq: 26 May 2023 18:17

Tgt Ion: 56	Resp: 9061
Ion Ratio	Lower Upper
56	100
69	118.8 26.8 40.2#
84	91.3 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 46.296 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN077935.D

Acq: 26 May 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

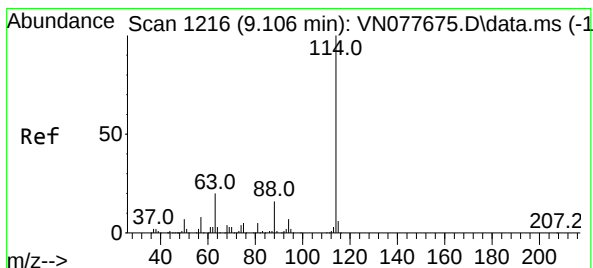
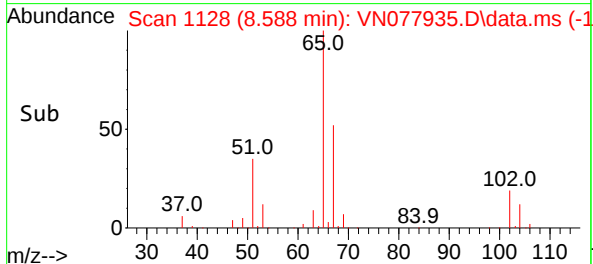
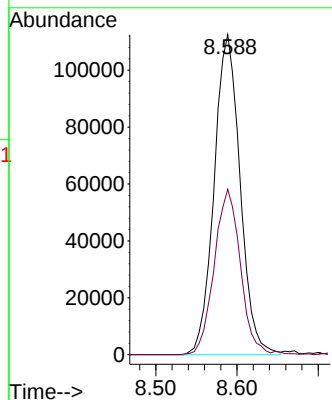
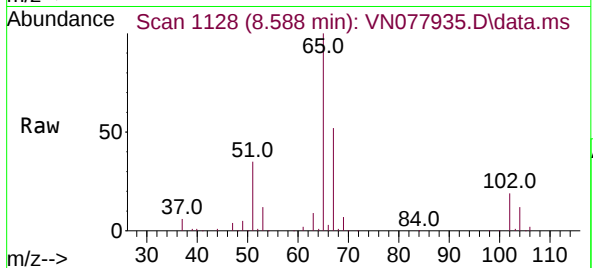
IBLK

Tgt Ion: 65 Resp: 250257

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN077935.D

Acq: 26 May 2023 18:17

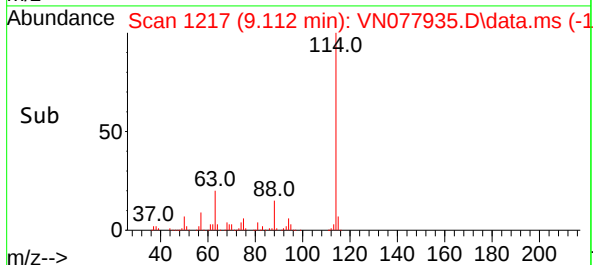
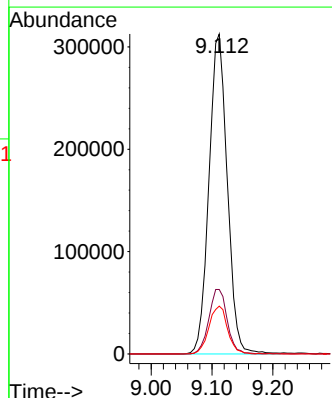
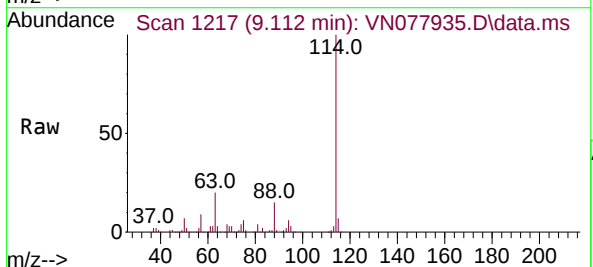
Tgt Ion: 114 Resp: 652728

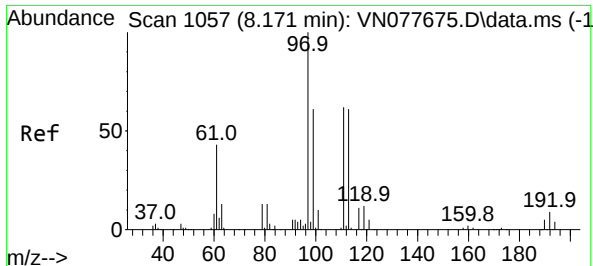
Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.4

88 15.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.569 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077935.D

Acq: 26 May 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

IBLK

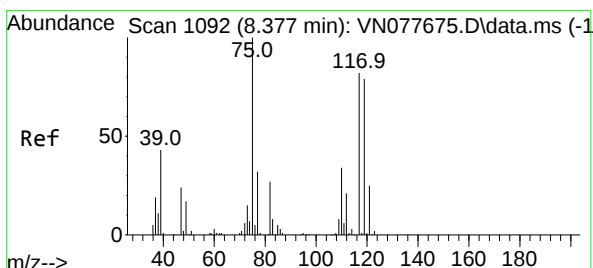
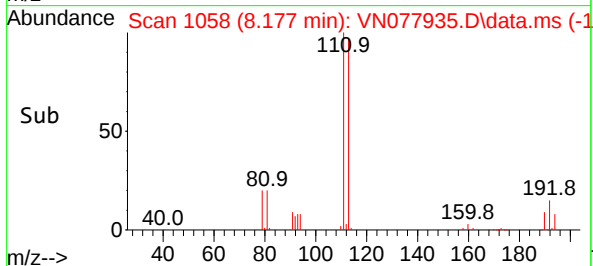
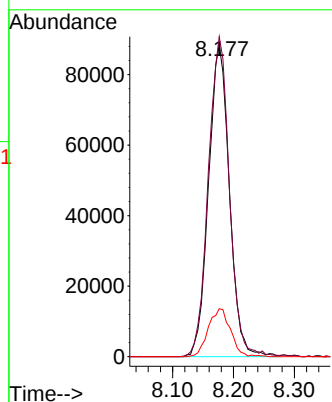
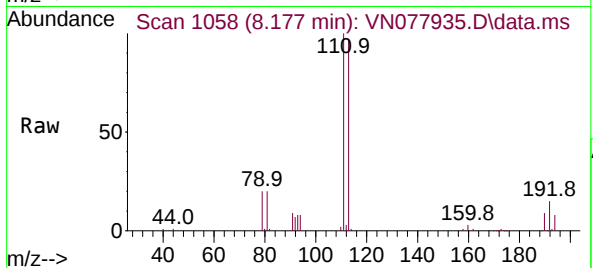
Tgt Ion:113 Resp: 210985

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 16.4 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.200 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN077935.D

Acq: 26 May 2023 18:17

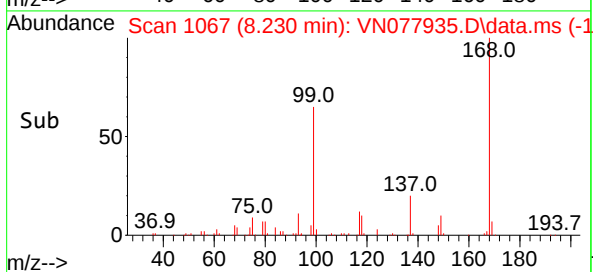
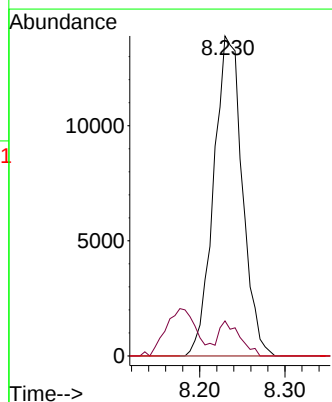
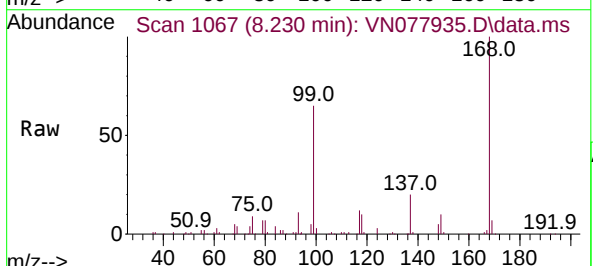
Tgt Ion: 75 Resp: 32374

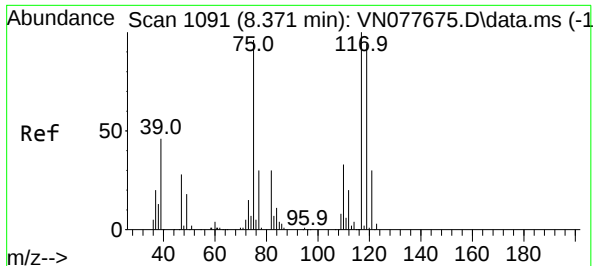
Ion Ratio Lower Upper

75 100

110 7.7 19.1 57.3#

77 0.0 25.0 37.4#

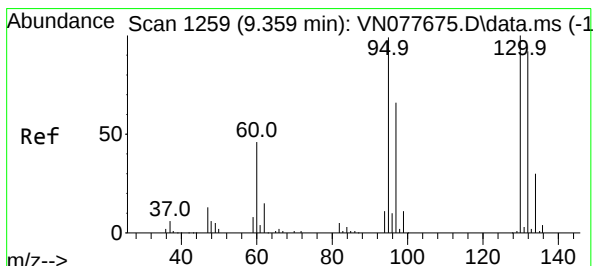
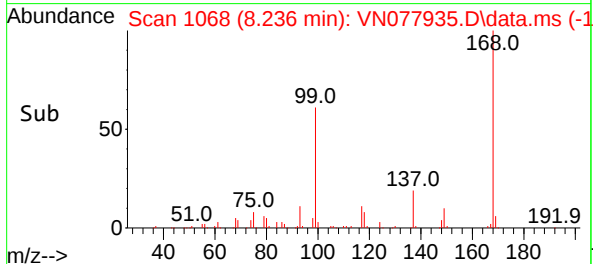
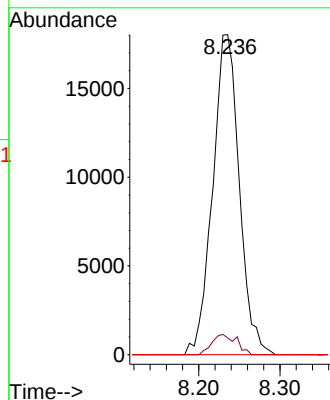
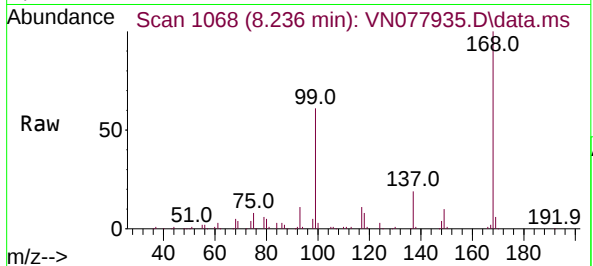




#38
Carbon Tetrachloride
Concen: 6.535 ug/l
RT: 8.236 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN077935.D
Acq: 26 May 2023 18:17

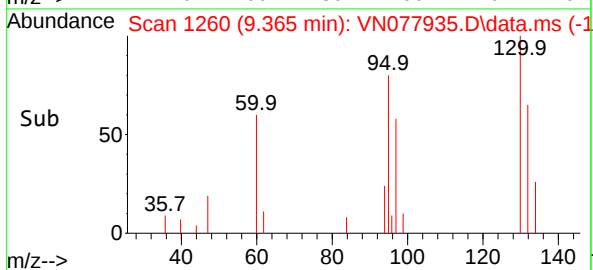
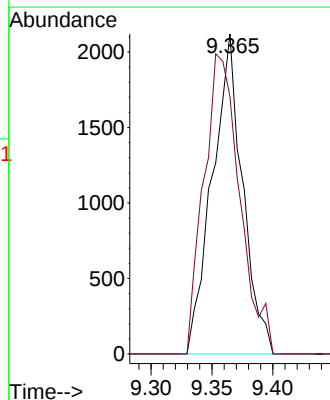
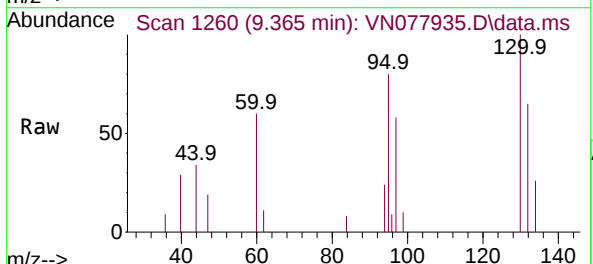
Instrument :
MSVOA_N
ClientSampleId :
IBLK

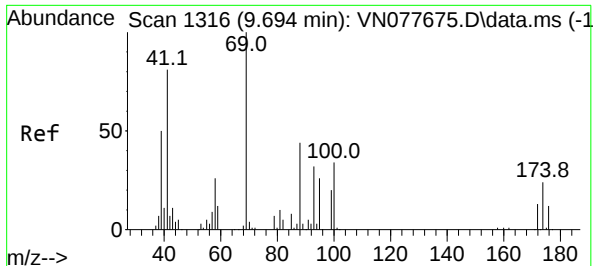
Tgt Ion:117 Resp: 41083
Ion Ratio Lower Upper
117 100
119 5.2 77.3 115.9#
121 0.0 23.3 34.9#



#44
Trichloroethene
Concen: 0.787 ug/l
RT: 9.365 min Scan# 1260
Delta R.T. 0.006 min
Lab File: VN077935.D
Acq: 26 May 2023 18:17

Tgt Ion:130 Resp: 3660
Ion Ratio Lower Upper
130 100
95 80.5 0.0 204.6

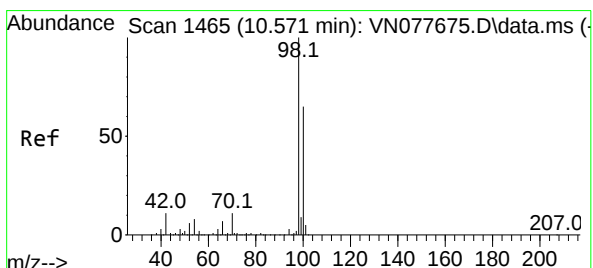
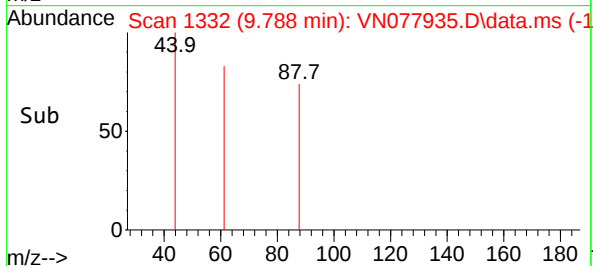
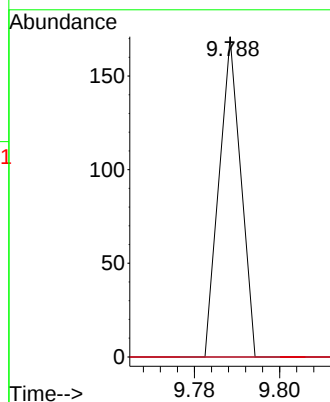
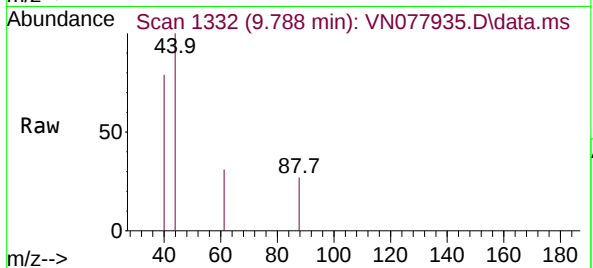




#49
1,4-Dioxane
Concen: 0.739 ug/l
RT: 9.788 min Scan# 1332
Delta R.T. 0.094 min
Lab File: VN077935.D
Acq: 26 May 2023 18:17

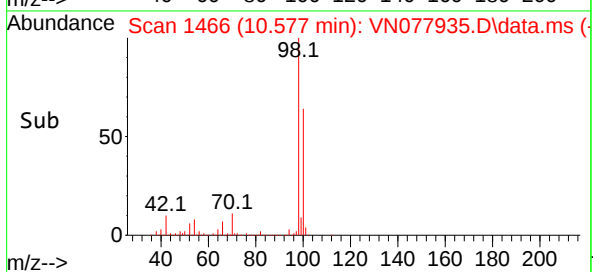
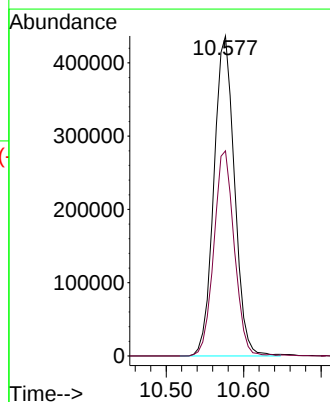
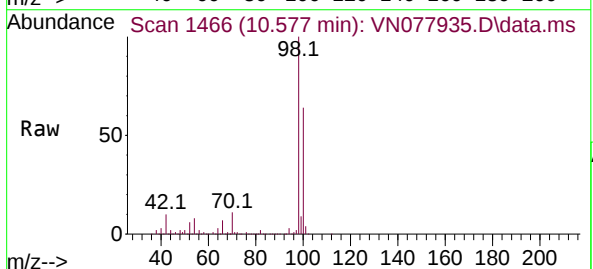
Instrument :
MSVOA_N
ClientSampleId :
IBLK

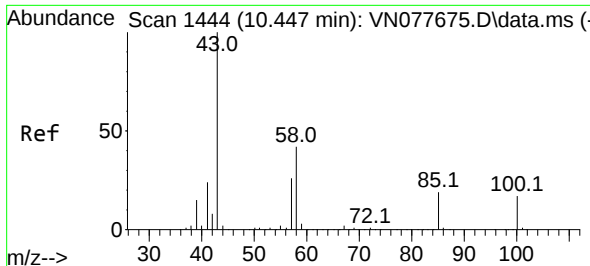
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#



#50
Toluene-d8
Concen: 49.209 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN077935.D
Acq: 26 May 2023 18:17

Tgt Ion: 98 Resp: 806196
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

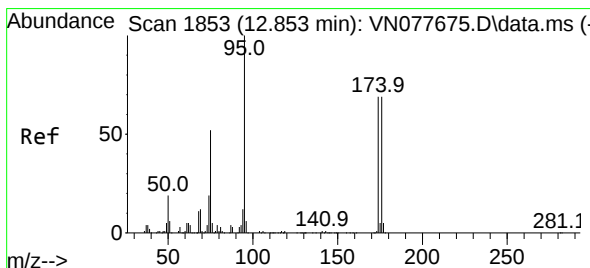
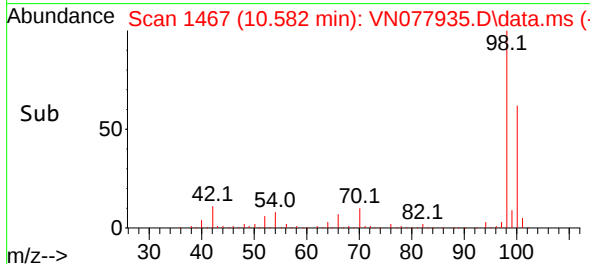
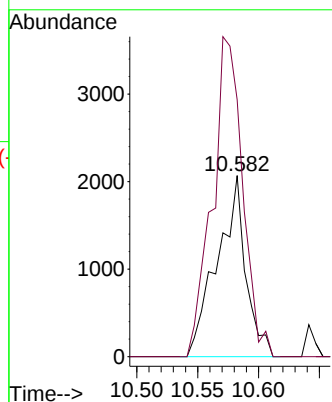
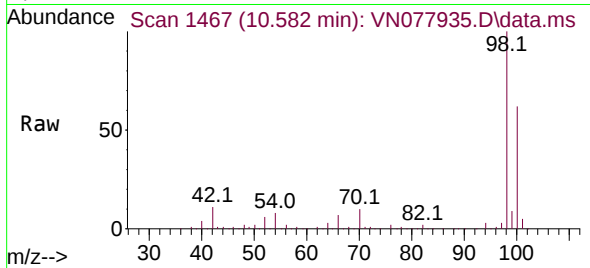




#51
4-Methyl-2-Pentanone
Concen: 0.626 ug/l
RT: 10.582 min Scan# 1444
Delta R.T. 0.135 min
Lab File: VN077935.D
Acq: 26 May 2023 18:17

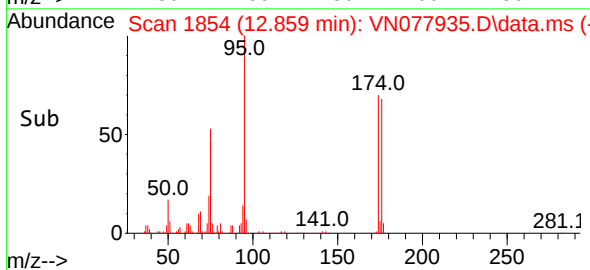
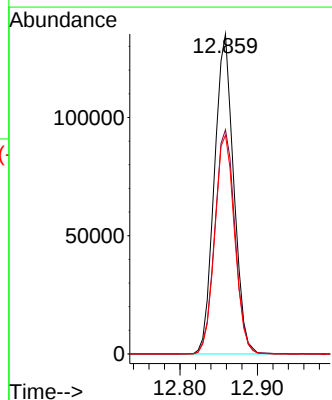
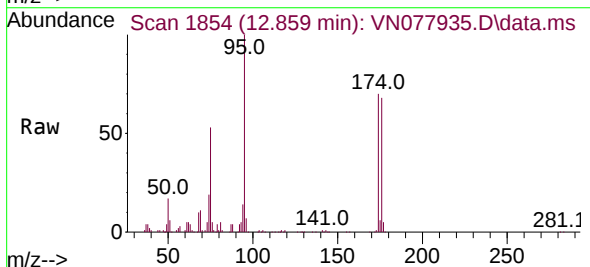
Instrument :
MSVOA_N
ClientSampleId :
IBLK

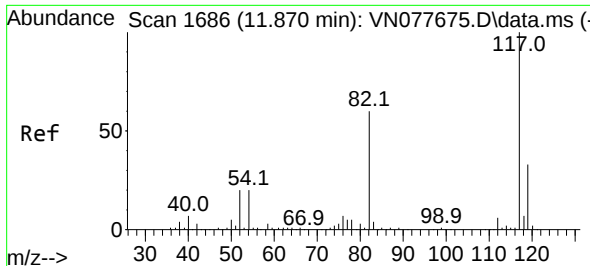
Tgt Ion: 43 Resp: 3370
Ion Ratio Lower Upper
43 100
58 187.2 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 40.587 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077935.D
Acq: 26 May 2023 18:17

Tgt Ion: 95 Resp: 234844
Ion Ratio Lower Upper
95 100
174 72.9 0.0 143.8
176 70.2 0.0 135.8

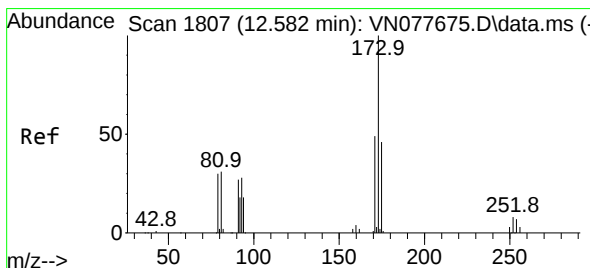
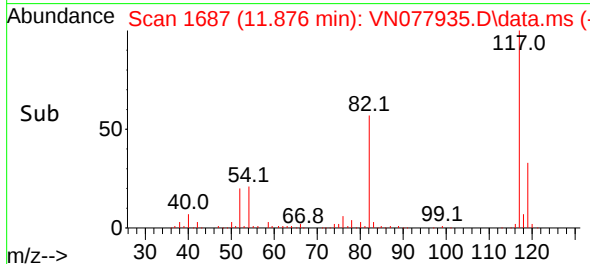
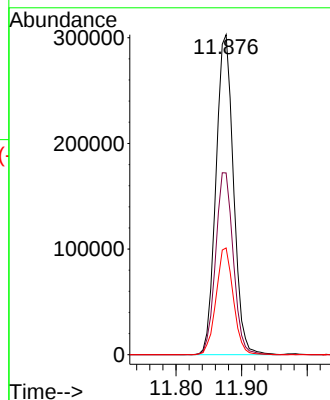
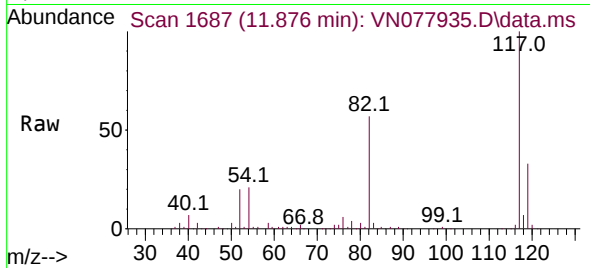




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077935.D
Acq: 26 May 2023 18:17

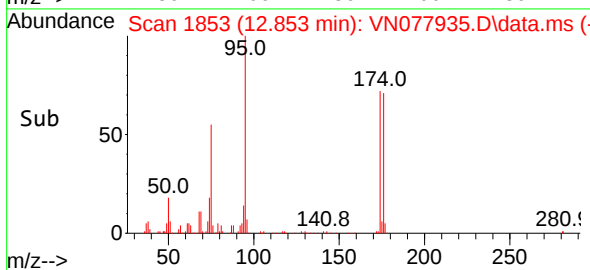
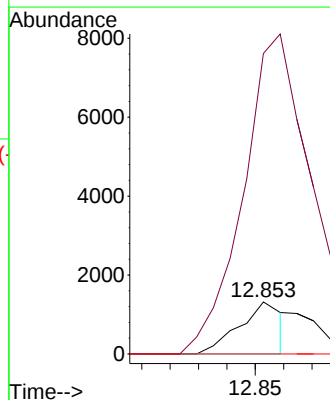
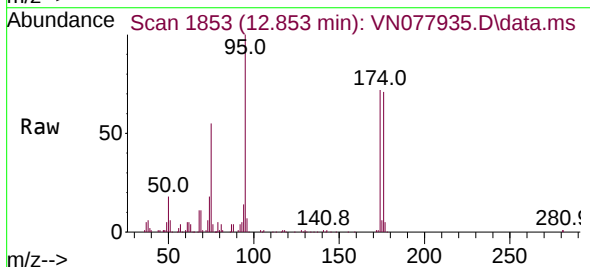
Instrument :
MSVOA_N
ClientSampleId :
IBLK

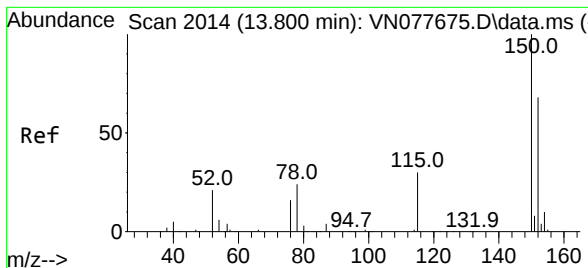
Tgt Ion:117 Resp: 560900
Ion Ratio Lower Upper
117 100
82 56.8 44.0 66.0
119 33.3 25.6 38.4



#71
Bromoform
Concen: 0.498 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN077935.D
Acq: 26 May 2023 18:17

Tgt Ion:173 Resp: 1393
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

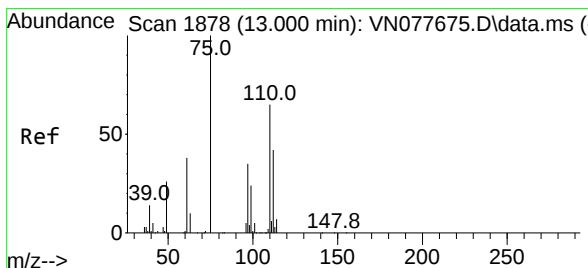
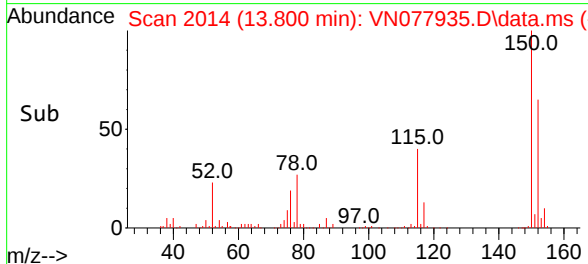
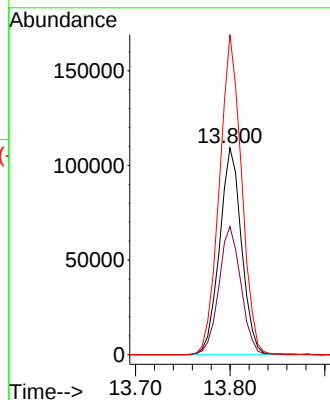
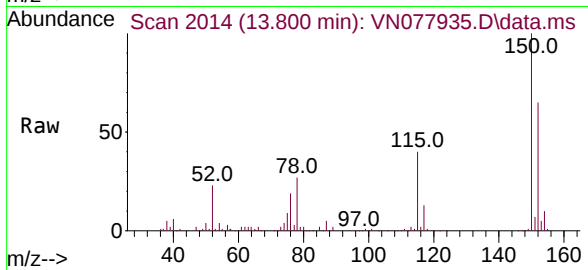




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN077935.D
 Acq: 26 May 2023 18:17

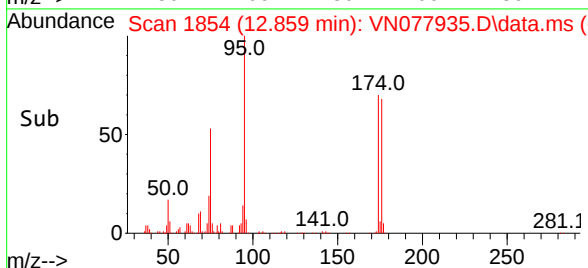
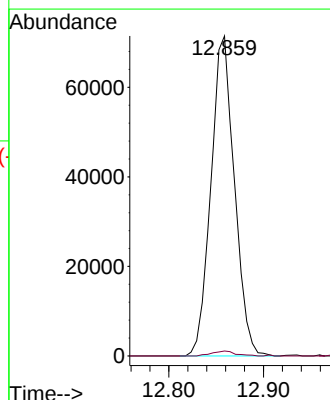
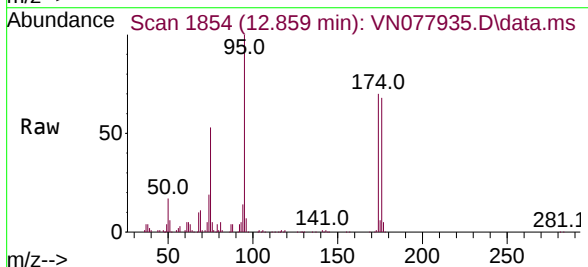
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

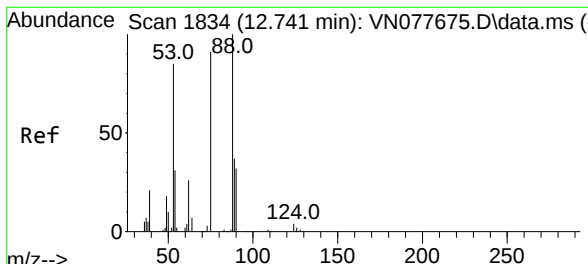
Tgt Ion:152 Resp: 176120
 Ion Ratio Lower Upper
 152 100
 115 62.4 32.3 96.8
 150 156.0 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 27.958 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. -0.141 min
 Lab File: VN077935.D
 Acq: 26 May 2023 18:17

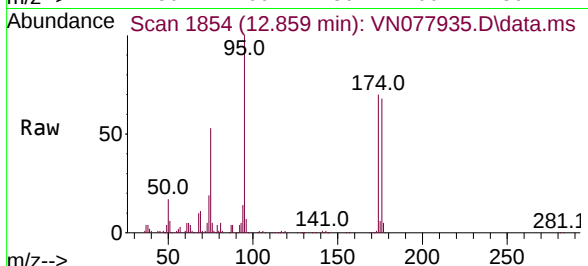
Tgt Ion: 75 Resp: 123315
 Ion Ratio Lower Upper
 75 100
 77 1.5 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.369 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN077935.D
 Acq: 26 May 2023 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion: 75 Resp: 123315
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#

