

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051623\
 Data File : VN077685.D
 Acq On : 16 May 2023 12:06
 Operator : JC\MD
 Sample : VN0516WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0516WBL01

Quant Time: May 17 03:57:26 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)

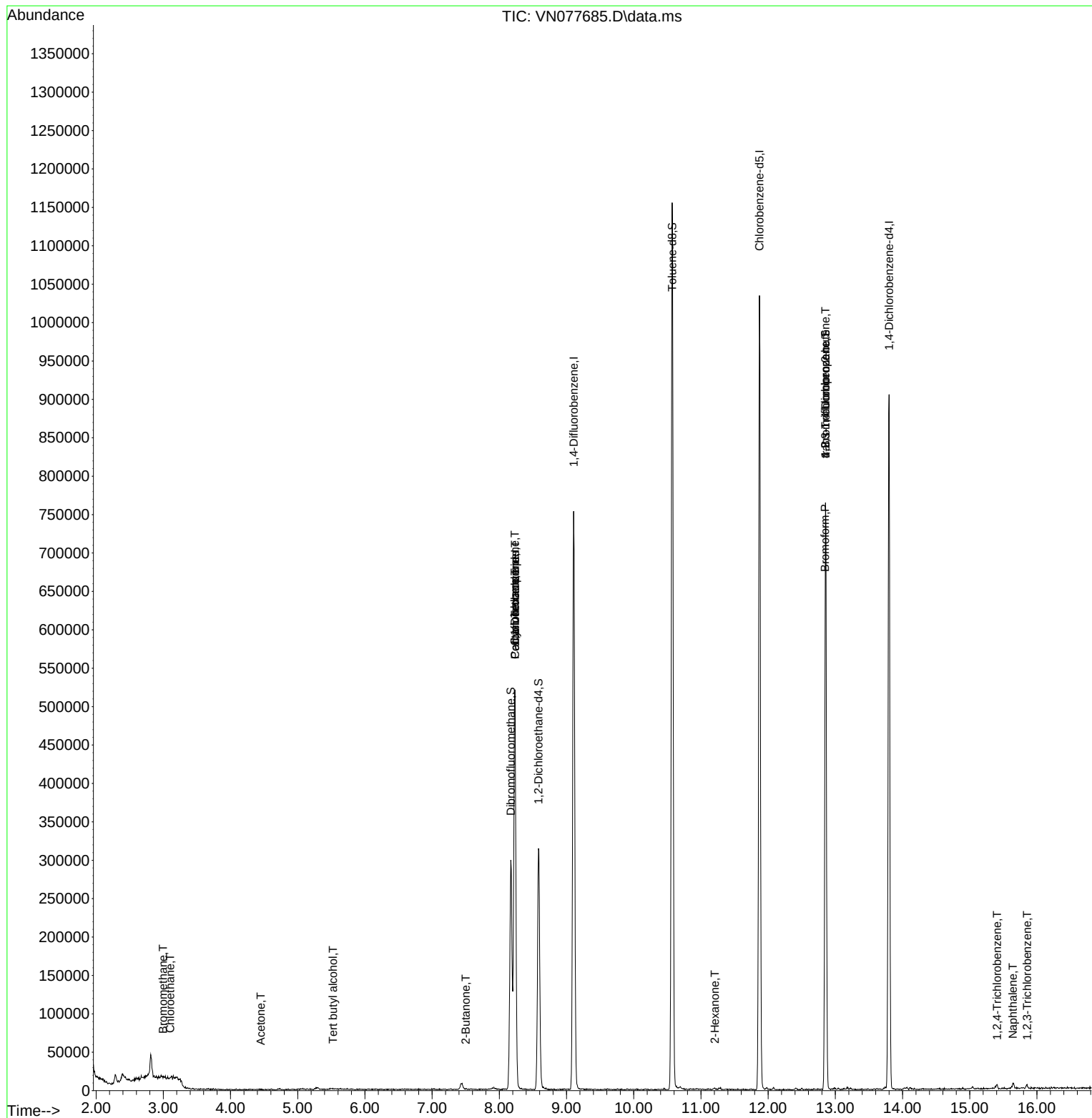
Internal Standards						
1) Pentafluorobenzene	8.236	168	366039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	666936	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	595844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	238100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	265313	48.442	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.880%
35) Dibromofluoromethane	8.171	113	213787	49.158	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.320%
50) Toluene-d8	10.571	98	827490	49.433	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.860%
62) 4-Bromofluorobenzene	12.853	95	277105	46.871	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.740%
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	1734	Below Cal		92
5) Bromomethane	2.995	94	1886	0.486 ug/l		98
6) Chloroethane	3.101	64	1586	0.419 ug/l #		43
11) Tert butyl alcohol	5.524	59	230	0.304 ug/l #		72
13) Acrolein	4.077	56	53	Below Cal #		16
16) Acetone	4.448	43	909	0.528 ug/l #		40
20) Methylene Chloride	5.277	84	834	Below Cal #		61
25) 2-Butanone	7.500	43	656	0.243 ug/l #		37
31) Cyclohexane	8.230	56	9419	1.265 ug/l #		44
36) 1,1-Dichloropropene	8.230	75	33941	5.336 ug/l #		48
38) Carbon Tetrachloride	8.236	117	40123	6.246 ug/l #		14
59) 2-Hexanone	11.206	43	1401	0.344 ug/l		79
71) Bromoform	12.847	173	1354	0.455 ug/l #		28
76) 1,2,3-Trichloropropane	12.853	75	149924	25.143 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	149924	80.370 ug/l #		15
93) 1,2,4-Trichlorobenzene	15.406	180	1584	0.335 ug/l		86
95) Naphthalene	15.641	128	6308	0.388 ug/l		95
96) 1,2,3-Trichlorobenzene	15.853	180	1413	0.305 ug/l		84

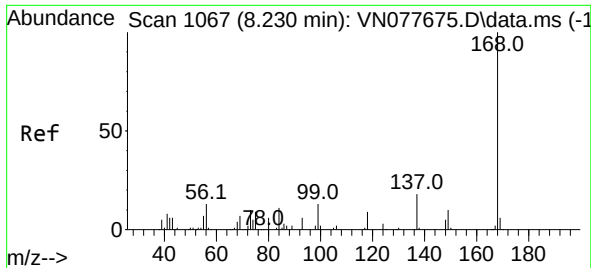
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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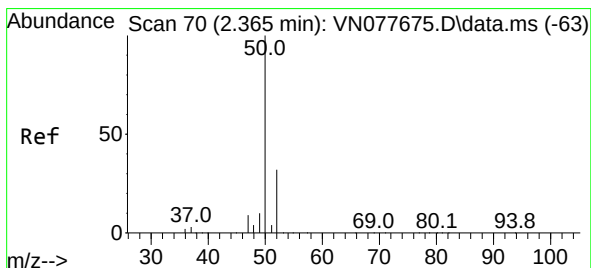
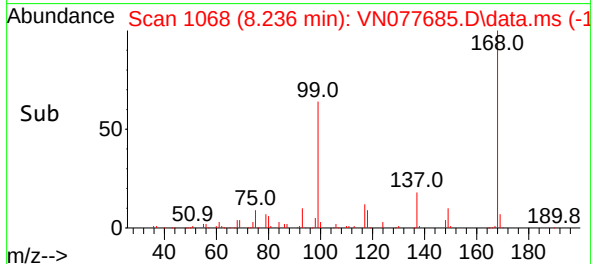
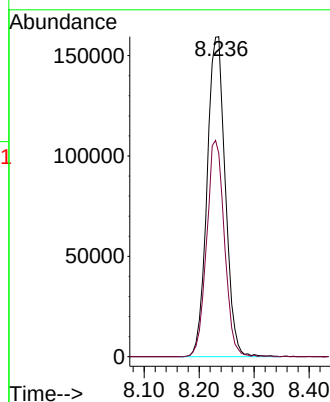
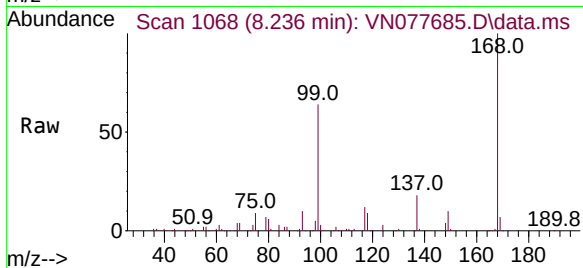




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077685.D
Acq: 16 May 2023 12:06

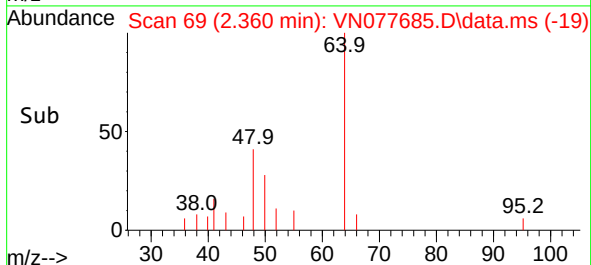
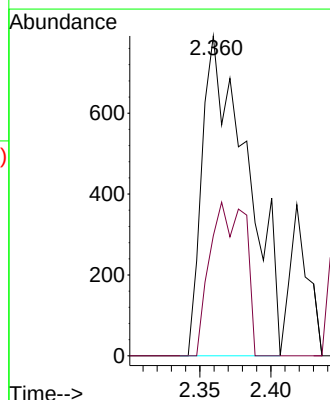
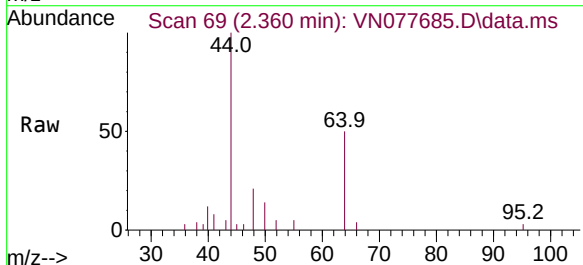
Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

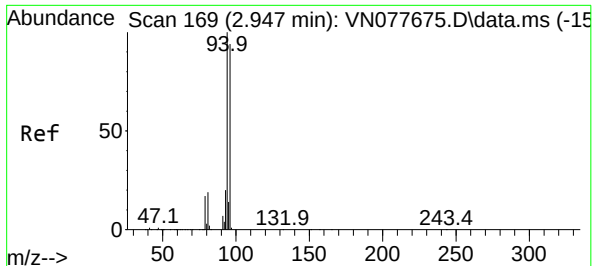
Tgt Ion:168 Resp: 366039
Ion Ratio Lower Upper
168 100
99 63.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.360 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN077685.D
Acq: 16 May 2023 12:06

Tgt Ion: 50 Resp: 1734
Ion Ratio Lower Upper
50 100
52 37.5 26.5 39.7

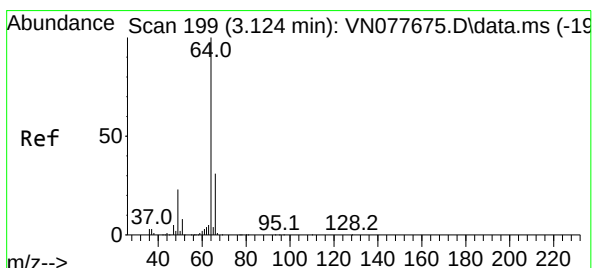
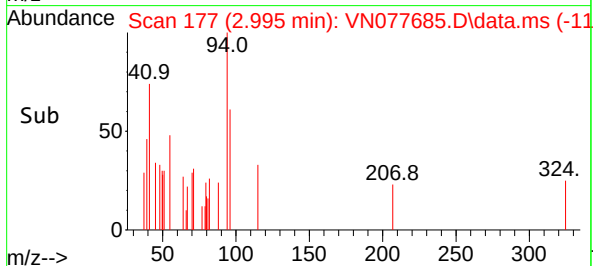
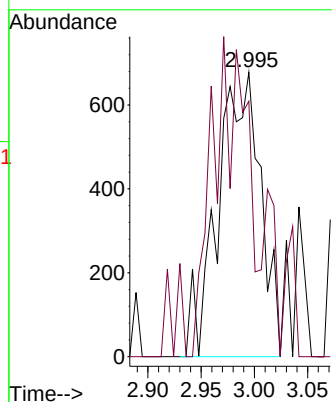
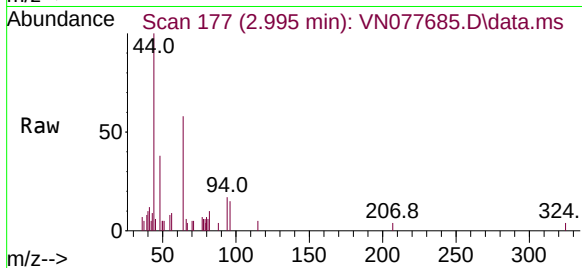




#5
Bromomethane
Concen: 0.486 ug/l
RT: 2.995 min Scan# 11
Delta R.T. 0.048 min
Lab File: VN077685.D
Acq: 16 May 2023 12:06

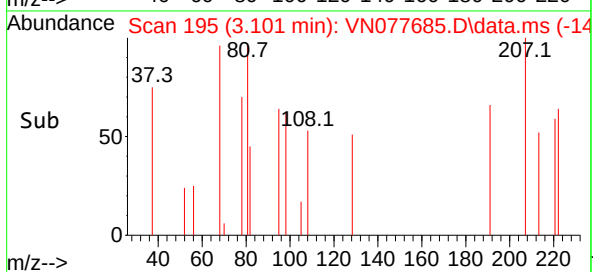
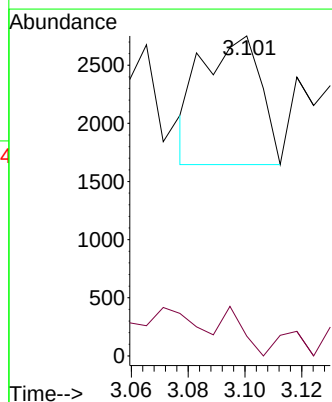
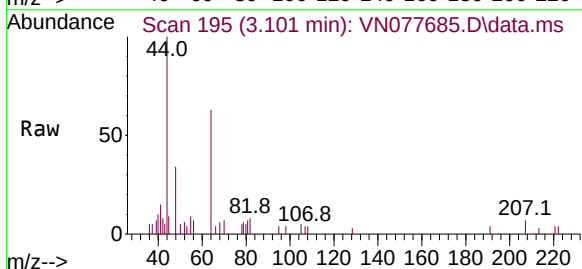
Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

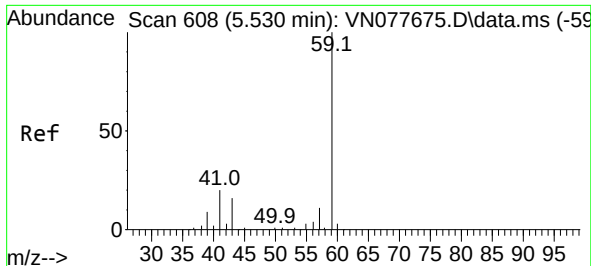
Tgt Ion: 94 Resp: 1886
Ion Ratio Lower Upper
94 100
96 89.8 73.1 109.7



#6
Chloroethane
Concen: 0.419 ug/l
RT: 3.101 min Scan# 195
Delta R.T. -0.023 min
Lab File: VN077685.D
Acq: 16 May 2023 12:06

Tgt Ion: 64 Resp: 1586
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 0.304 ug/l

RT: 5.524 min Scan# 608

Delta R.T. -0.006 min

Lab File: VN077685.D

Acq: 16 May 2023 12:06

Instrument :

MSVOA_N

ClientSampleId :

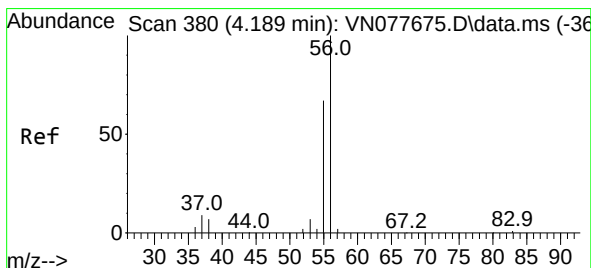
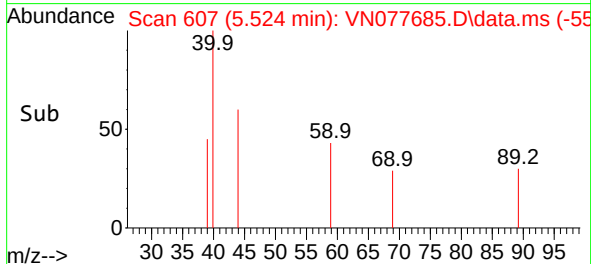
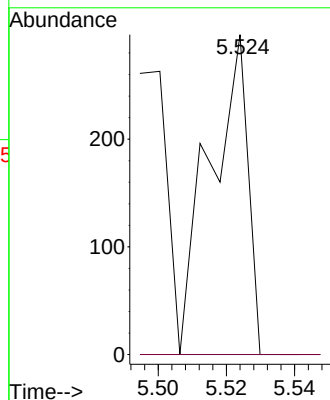
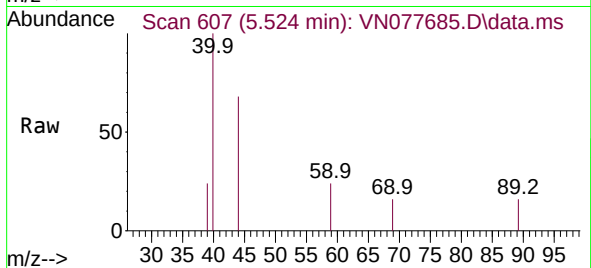
VN0516WBL01

Tgt Ion: 59 Resp: 230

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: Below Cal

RT: 4.077 min Scan# 361

Delta R.T. -0.112 min

Lab File: VN077685.D

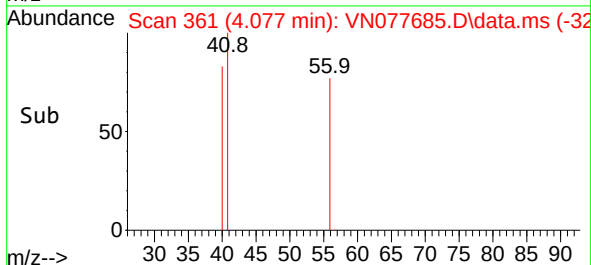
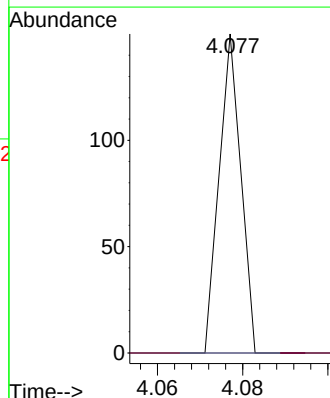
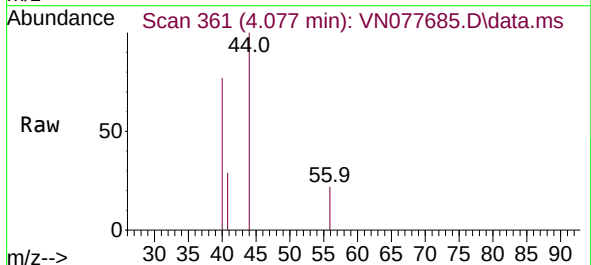
Acq: 16 May 2023 12:06

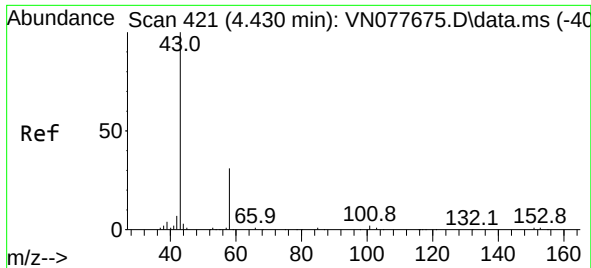
Tgt Ion: 56 Resp: 53

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#





#16

Acetone

Concen: 0.528 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN077685.D

Acq: 16 May 2023 12:06

Instrument :

MSVOA_N

ClientSampleId :

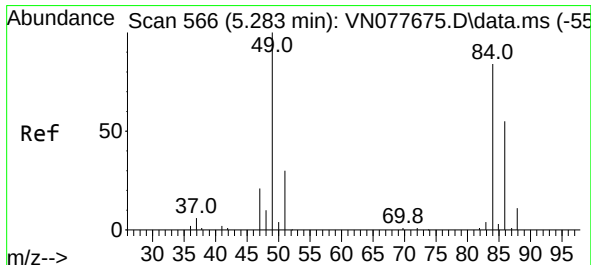
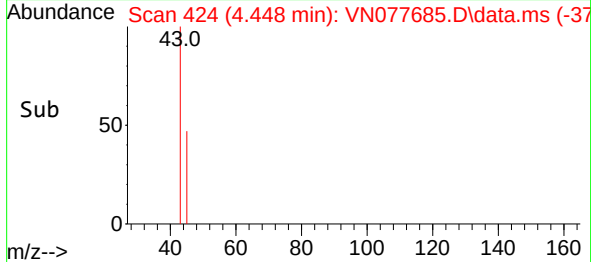
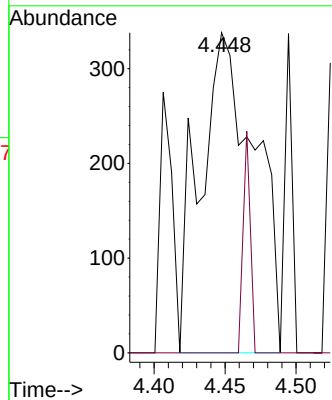
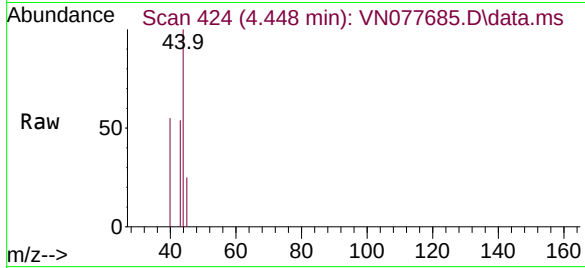
VN0516WBL01

Tgt Ion: 43 Resp: 909

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN077685.D

Acq: 16 May 2023 12:06

Tgt Ion: 84 Resp: 834

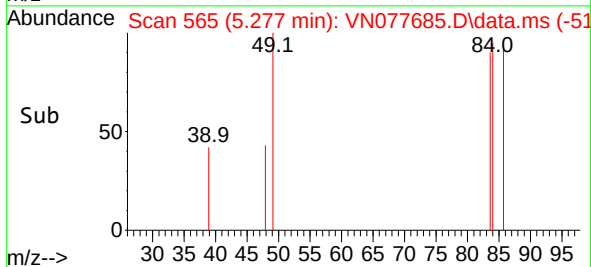
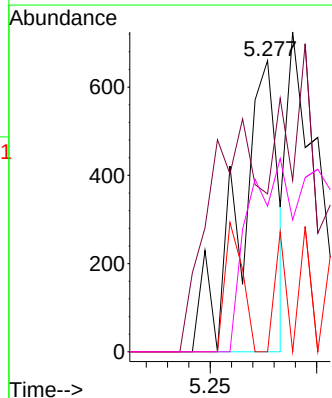
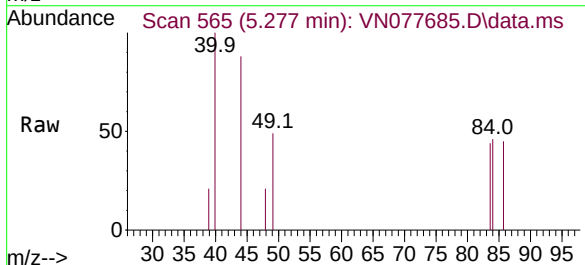
Ion Ratio Lower Upper

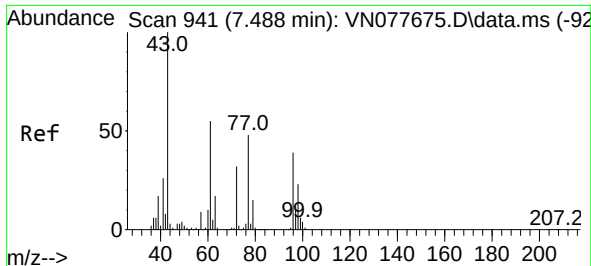
84 100

49 54.2 79.7 119.5#

51 0.0 25.2 37.8#

86 50.0 53.3 79.9#

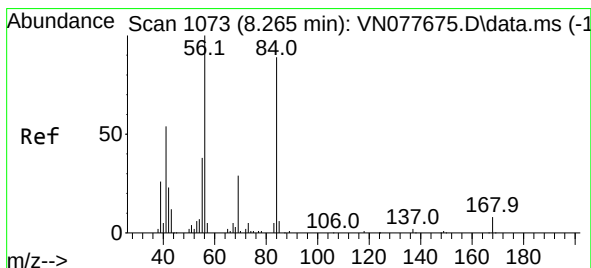
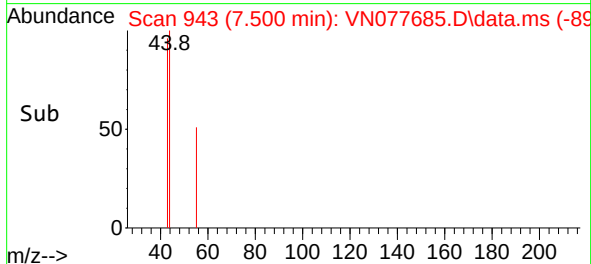
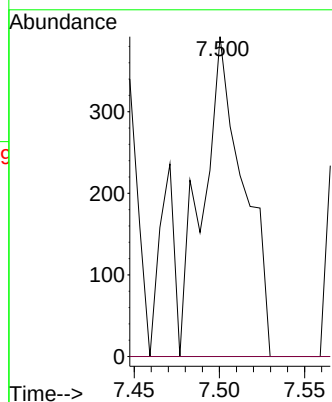
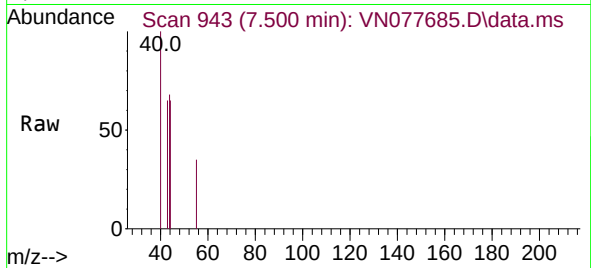




#25
2-Butanone
Concen: 0.243 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN077685.D
Acq: 16 May 2023 12:06

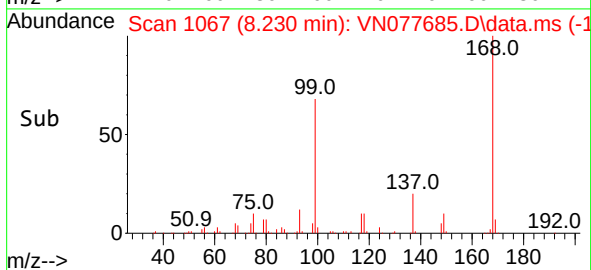
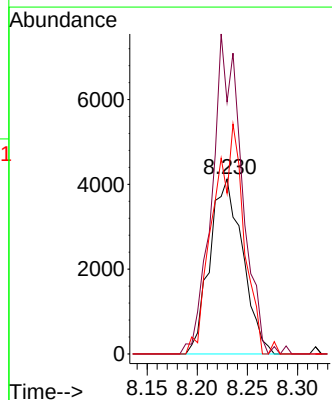
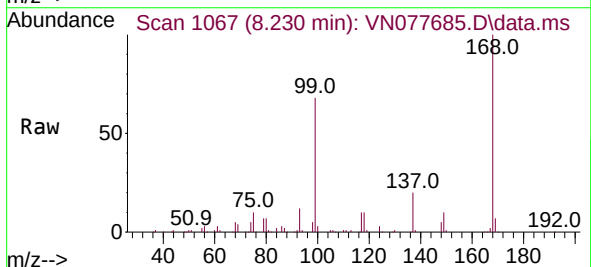
Instrument :
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VN0516WBL01

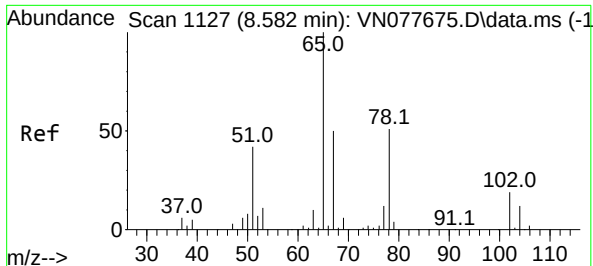
Tgt Ion: 43 Resp: 656
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.265 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077685.D
Acq: 16 May 2023 12:06

Tgt Ion: 56 Resp: 9419
Ion Ratio Lower Upper
56 100
69 144.1 26.8 40.2#
84 91.9 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 48.442 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN077685.D

Acq: 16 May 2023 12:06

Instrument :

MSVOA_N

ClientSampleId :

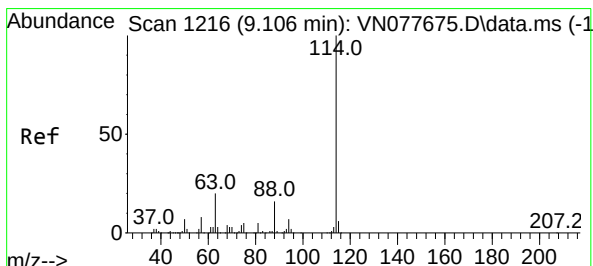
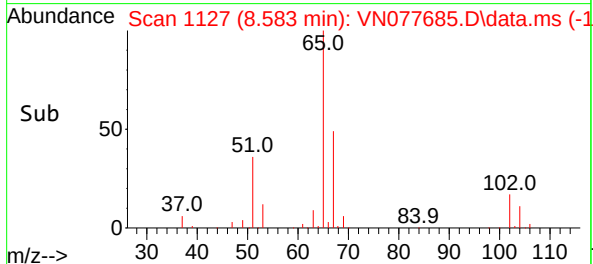
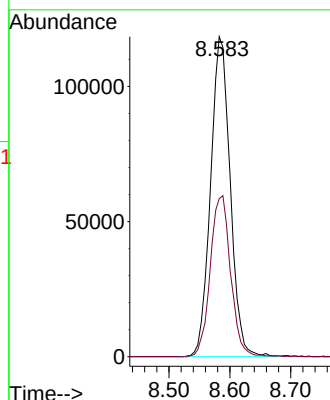
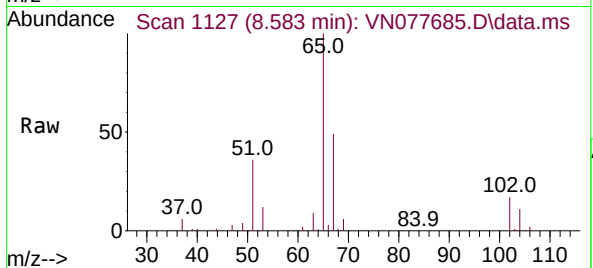
VN0516WBL01

Tgt Ion: 65 Resp: 265313

Ion Ratio Lower Upper

65 100

67 52.1 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: VN077685.D

Acq: 16 May 2023 12:06

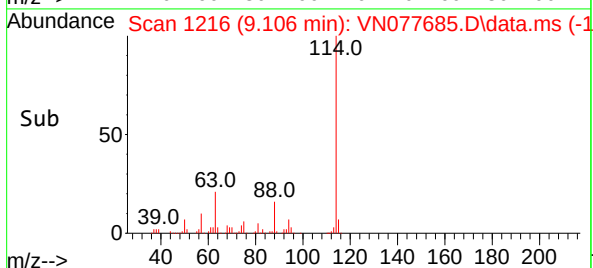
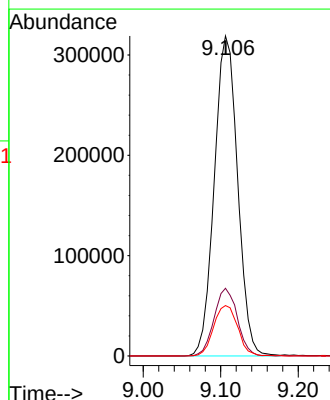
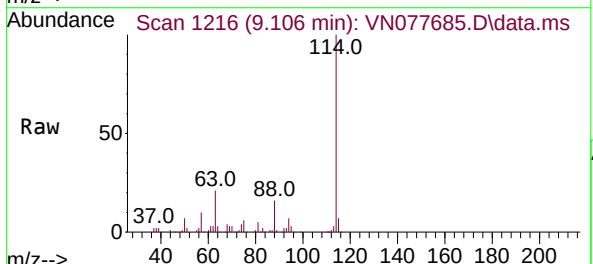
Tgt Ion: 114 Resp: 666936

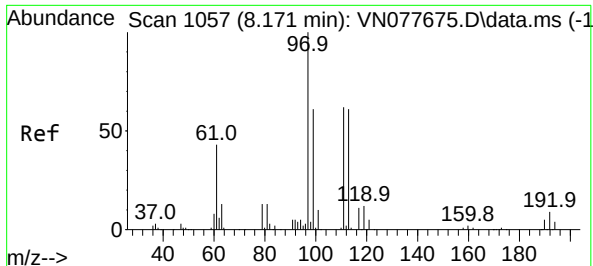
Ion Ratio Lower Upper

114 100

63 21.2 0.0 36.4

88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.158 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN077685.D

Acq: 16 May 2023 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN0516WBL01

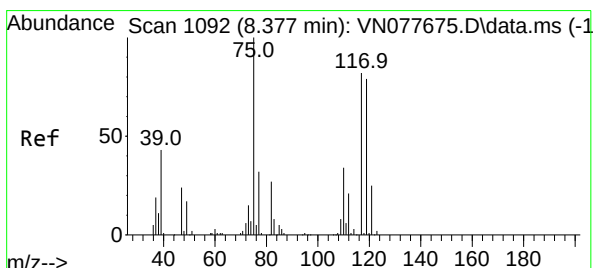
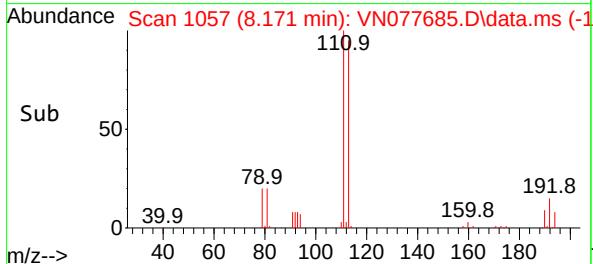
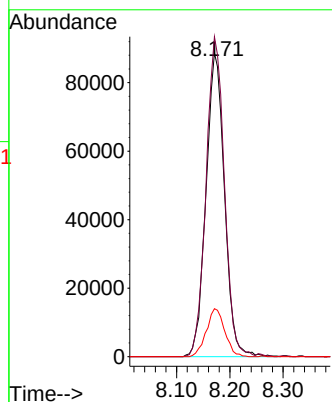
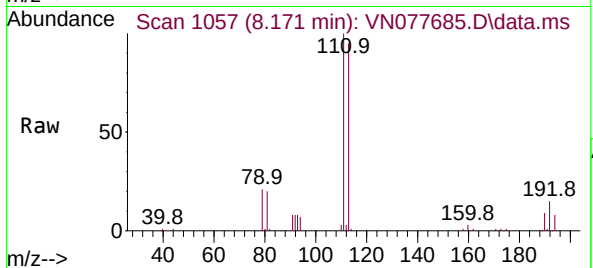
Tgt Ion:113 Resp: 213787

Ion Ratio Lower Upper

113 100

111 104.3 82.6 123.8

192 15.7 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.336 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN077685.D

Acq: 16 May 2023 12:06

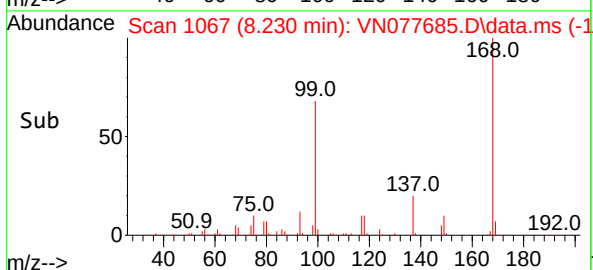
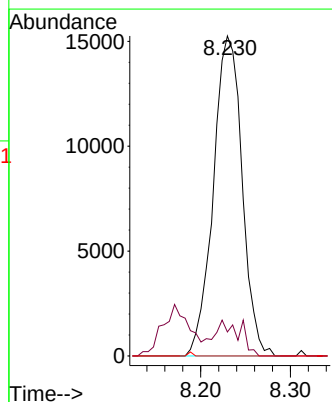
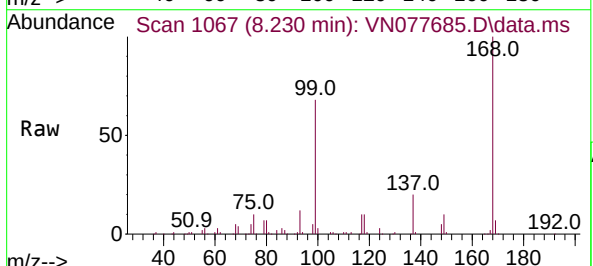
Tgt Ion: 75 Resp: 33941

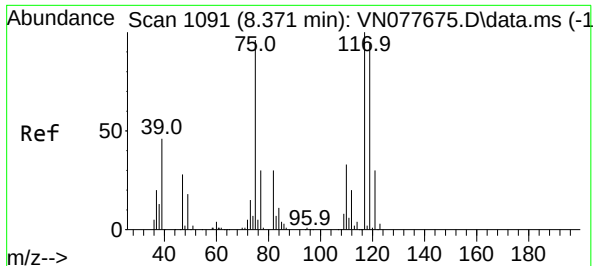
Ion Ratio Lower Upper

75 100

110 8.8 19.1 57.3#

77 0.0 25.0 37.4#

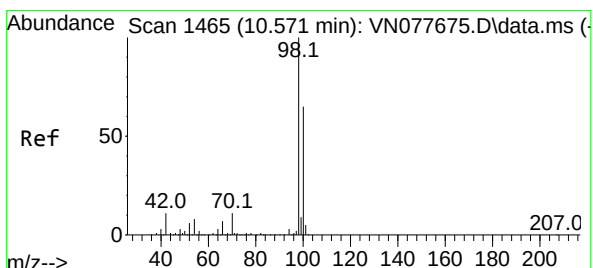
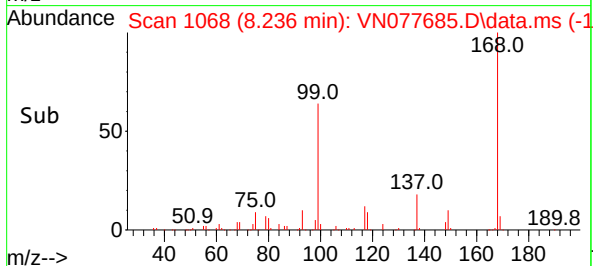
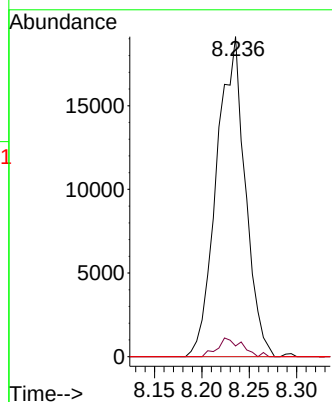
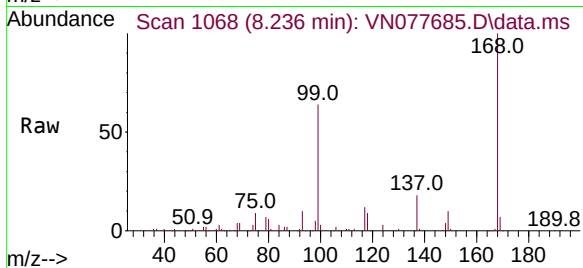




#38
Carbon Tetrachloride
Concen: 6.246 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN077685.D
Acq: 16 May 2023 12:06

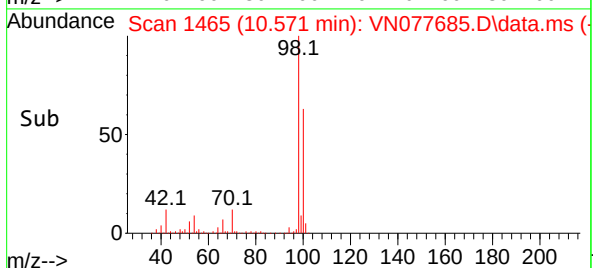
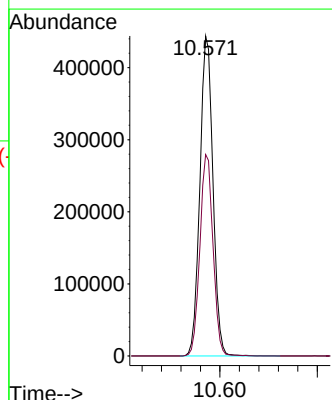
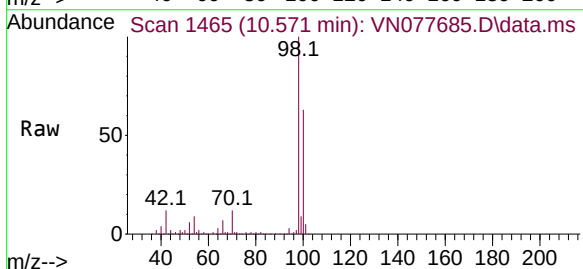
Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

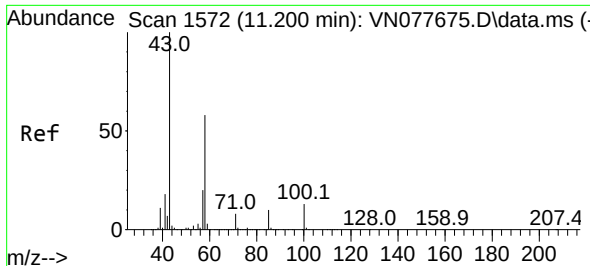
Tgt Ion:117 Resp: 40123
Ion Ratio Lower Upper
117 100
119 3.4 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 49.433 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077685.D
Acq: 16 May 2023 12:06

Tgt Ion: 98 Resp: 827490
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0

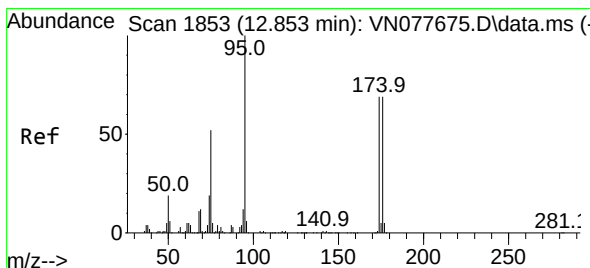
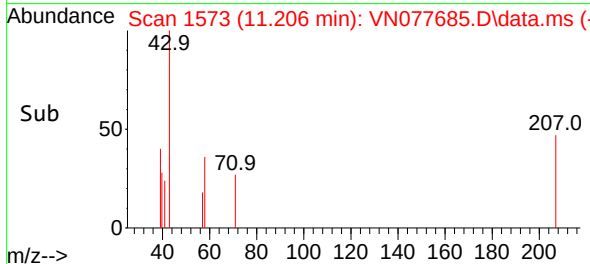
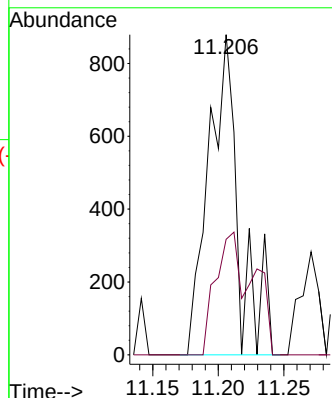
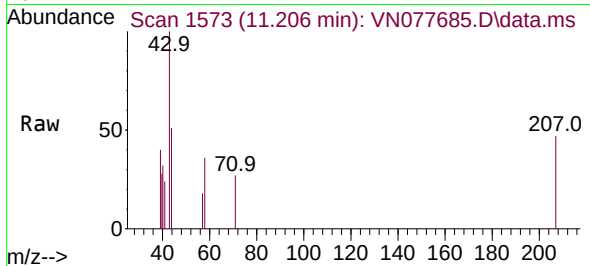




#59
2-Hexanone
Concen: 0.344 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077685.D
Acq: 16 May 2023 12:06

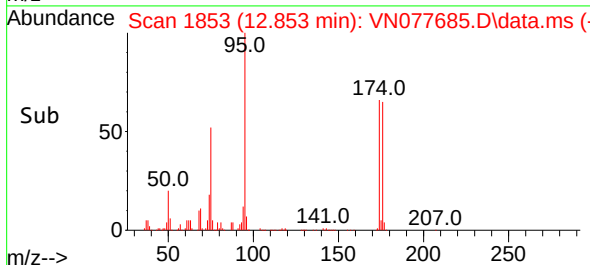
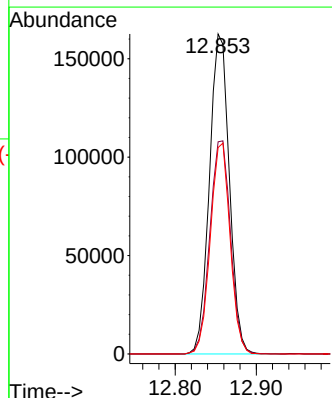
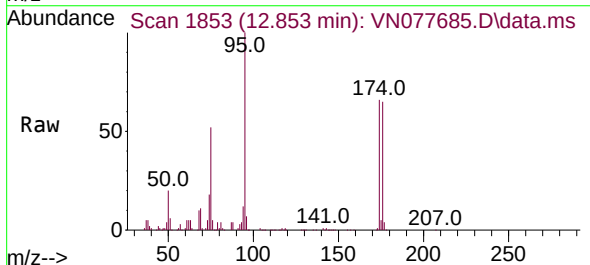
Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

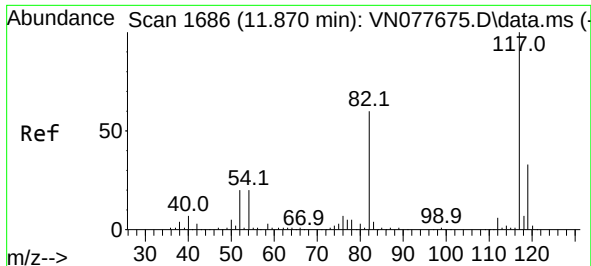
Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
58 47.0 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 46.871 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077685.D
Acq: 16 May 2023 12:06

Tgt Ion: 95 Resp: 277105
Ion Ratio Lower Upper
95 100
174 69.4 0.0 143.8
176 65.4 0.0 135.8

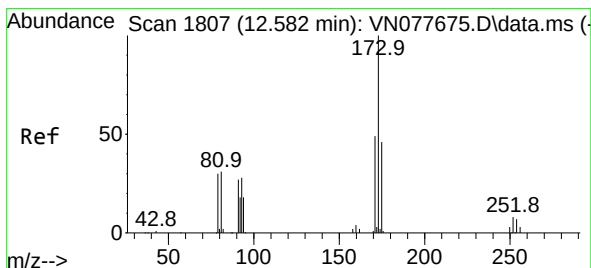
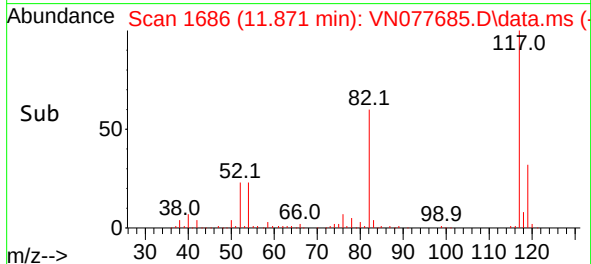
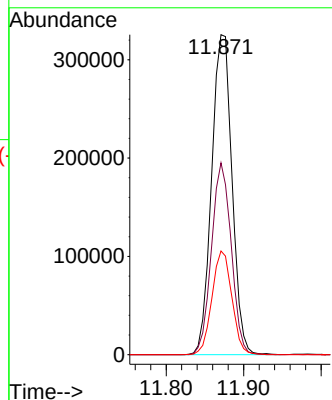
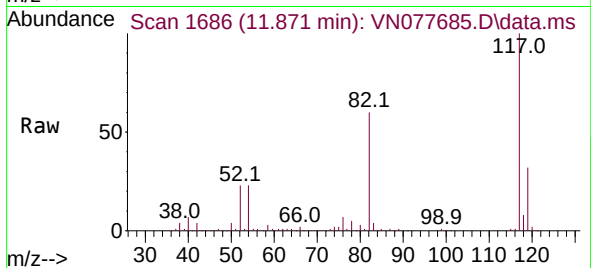




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1185
Delta R.T. 0.001 min
Lab File: VN077685.D
Acq: 16 May 2023 12:06

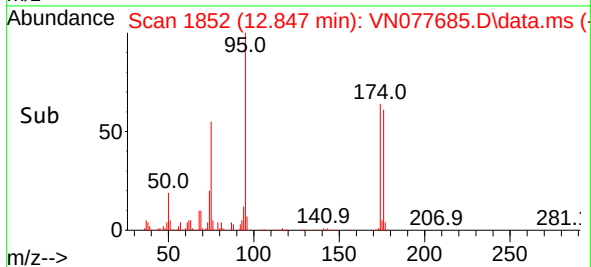
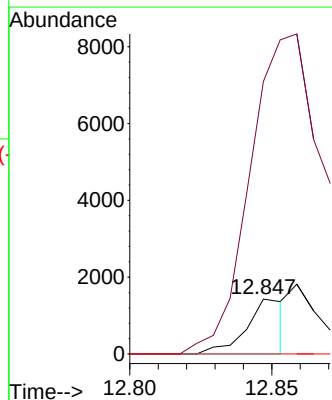
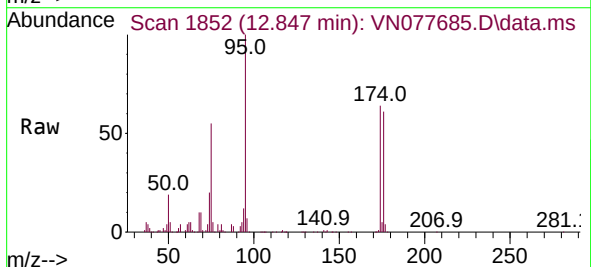
Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

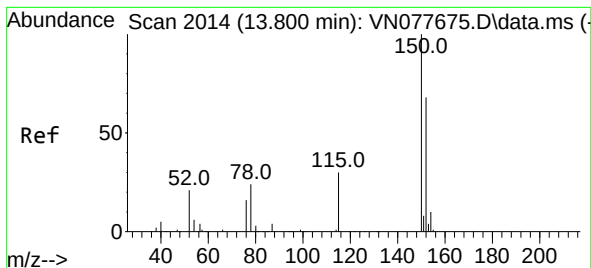
Tgt Ion:117 Resp: 595844
Ion Ratio Lower Upper
117 100
82 60.0 44.0 66.0
119 32.4 25.6 38.4



#71
Bromoform
Concen: 0.455 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN077685.D
Acq: 16 May 2023 12:06

Tgt Ion:173 Resp: 1354
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: VN077685.D

Acq: 16 May 2023 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN0516WBL01

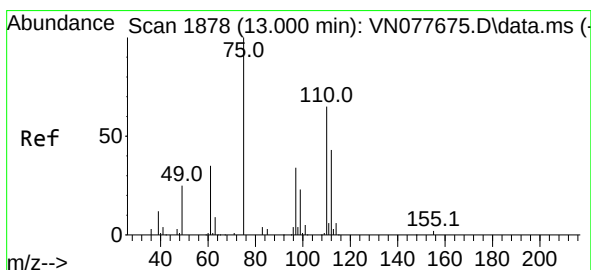
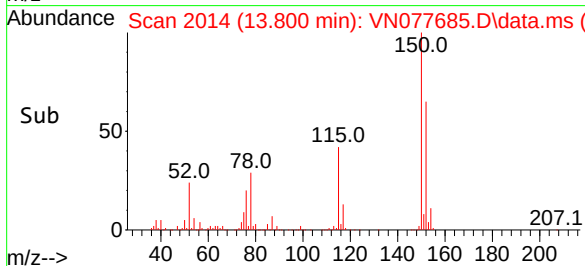
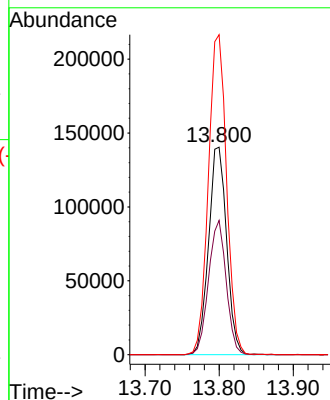
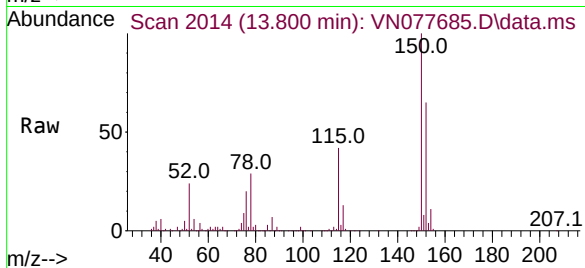
Tgt Ion:152 Resp: 238100

Ion Ratio Lower Upper

152 100

115 63.2 32.3 96.8

150 155.5 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.143 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN077685.D

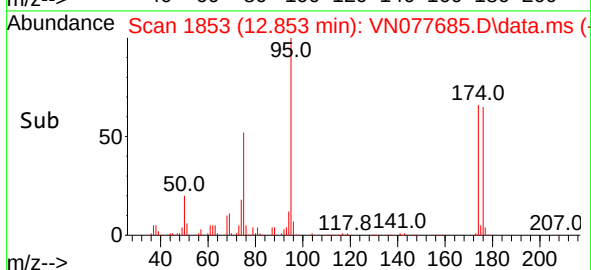
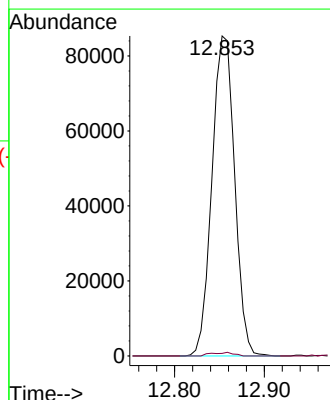
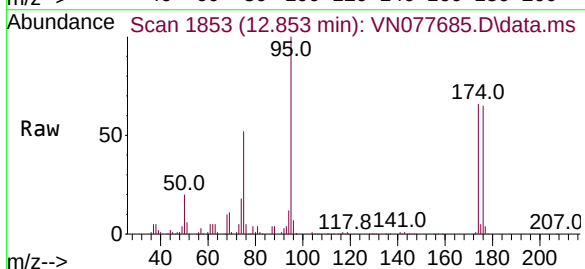
Acq: 16 May 2023 12:06

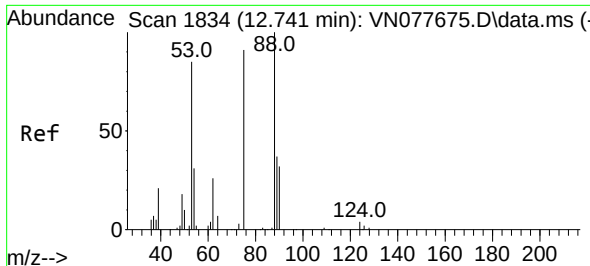
Tgt Ion: 75 Resp: 149924

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#

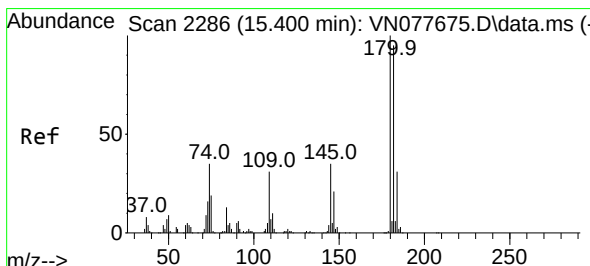
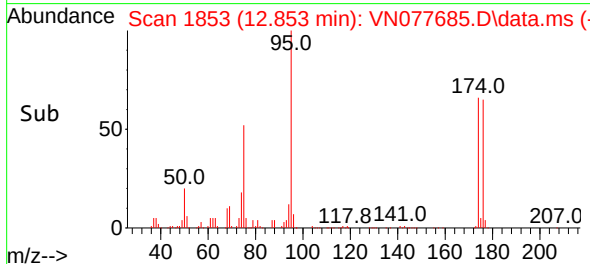
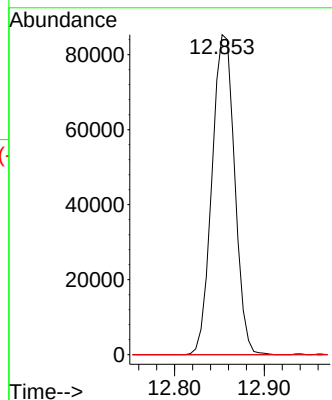
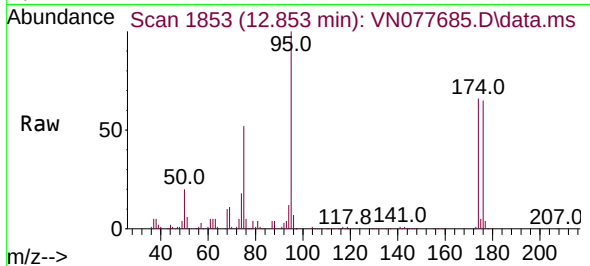




#81
trans-1,4-Dichloro-2-butene
Concen: 80.370 ug/l
RT: 12.853 min Scan# 1834
Delta R.T. 0.112 min
Lab File: VN077685.D
Acq: 16 May 2023 12:06

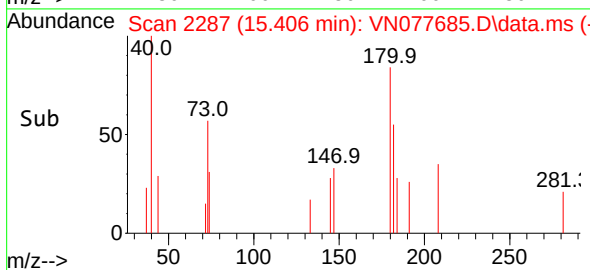
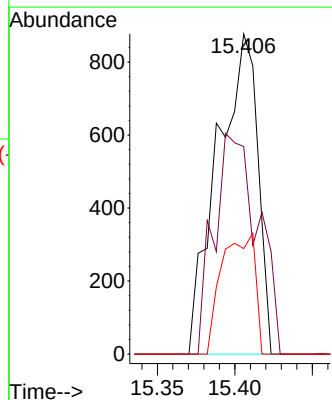
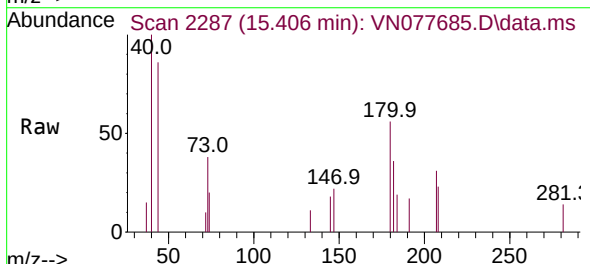
Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

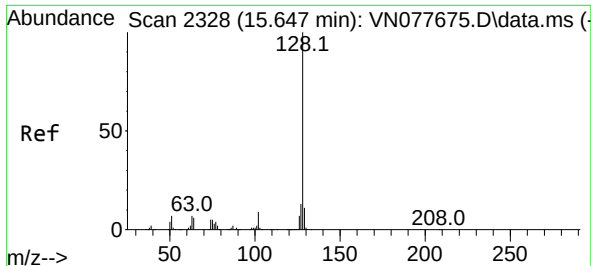
Tgt Ion: 75 Resp: 149924
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.335 ug/l
RT: 15.406 min Scan# 2287
Delta R.T. 0.006 min
Lab File: VN077685.D
Acq: 16 May 2023 12:06

Tgt Ion:180 Resp: 1584
Ion Ratio Lower Upper
180 100
182 75.1 46.1 138.2
145 31.1 16.6 49.8

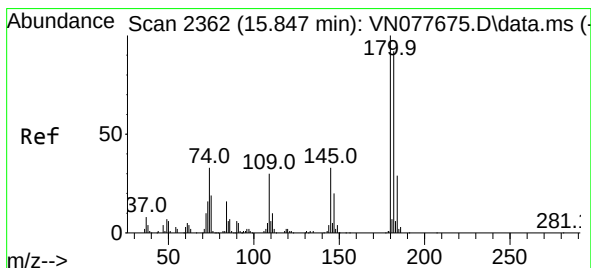
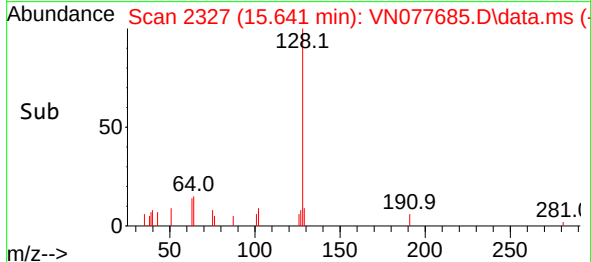
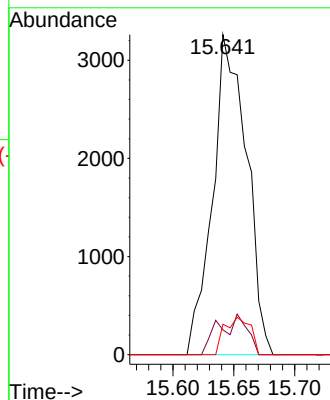
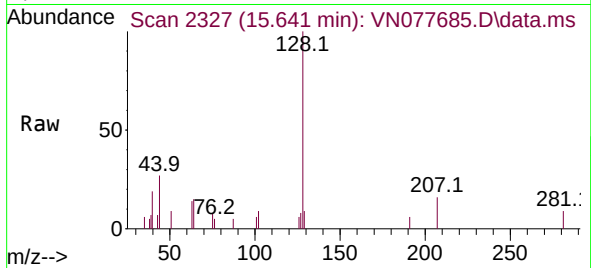




#95
Naphthalene
Concen: 0.388 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN077685.D
Acq: 16 May 2023 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

Tgt Ion:128 Resp: 6308
Ion Ratio Lower Upper
128 100
127 10.5 10.0 15.0
129 8.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.305 ug/l
RT: 15.853 min Scan# 2363
Delta R.T. 0.006 min
Lab File: VN077685.D
Acq: 16 May 2023 12:06

Tgt Ion:180 Resp: 1413
Ion Ratio Lower Upper
180 100
182 112.5 46.2 138.6
145 34.3 17.5 52.6

