

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021423\
 Data File : VN076670.D
 Acq On : 14 Feb 2023 19:00
 Operator : JC\MD
 Sample : 01549-08 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1696

Quant Time: Feb 15 03:17:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	326490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	593671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	523483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	212606	50.000	ug/l	0.00

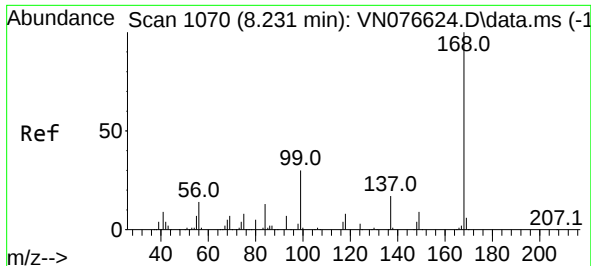
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	231116	51.264	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.520%
35) Dibromofluoromethane	8.172	113	177605	45.682	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.360%
50) Toluene-d8	10.572	98	718194	49.465	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.920%
62) 4-Bromofluorobenzene	12.848	95	226166	47.031	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.060%

Target Compounds					Qvalue	
5) Bromomethane	2.990	94	825	0.306	ug/l #	80
16) Acetone	4.454	43	1122	0.557	ug/l #	42
20) Methylene Chloride	5.296	84	2461	0.583	ug/l #	55
25) 2-Butanone	7.501	43	2346	0.790	ug/l #	51
31) Cyclohexane	8.231	56	9505	1.344	ug/l #	1
36) 1,1-Dichloropropene	8.231	75	30528	5.435	ug/l #	48
37) Ethyl Acetate	7.501	43	2346	0.397	ug/l #	71
38) Carbon Tetrachloride	8.231	117	34746	6.132	ug/l #	19
43) Isopropyl Acetate	8.737	43	4739	0.493	ug/l #	56
76) 1,2,3-Trichloropropane	12.848	75	122658	28.536	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	122658	83.114	ug/l #	4

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

Quant Time: Feb 15 03:17:48 2023
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QLast Update : Tue Feb 14 01:44:47 2023
Response via : Initial Calibration

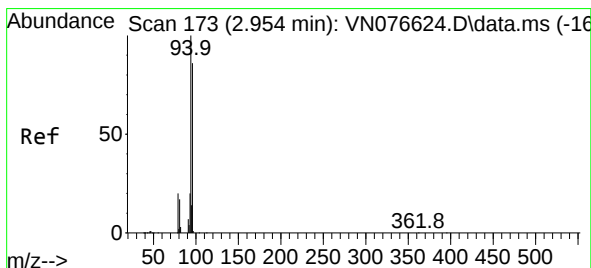
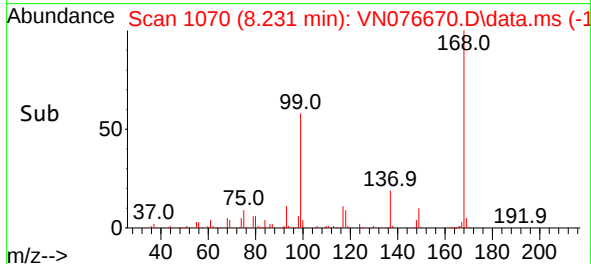
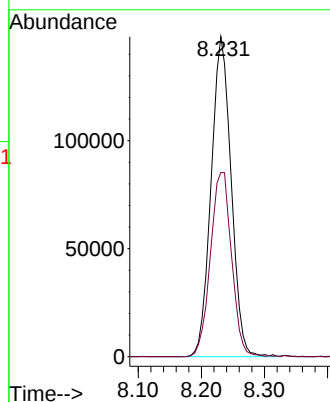
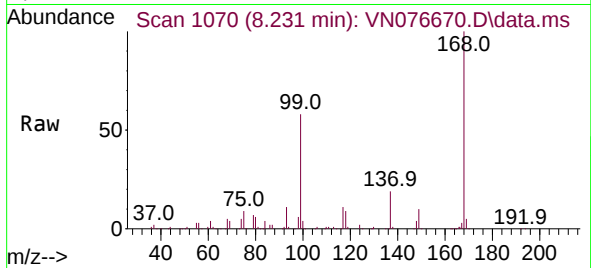




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076670.D
Acq: 14 Feb 2023 19:00

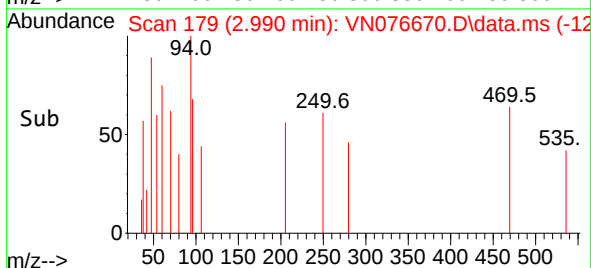
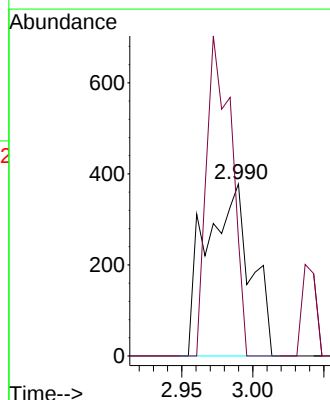
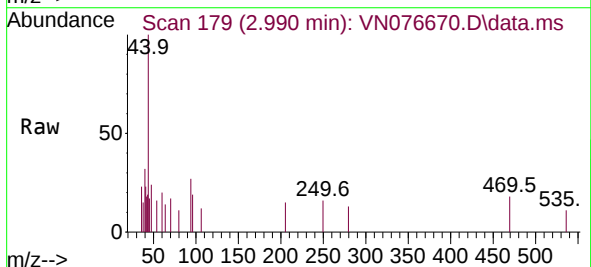
Instrument :
MSVOA_N
ClientSampleId :
1696

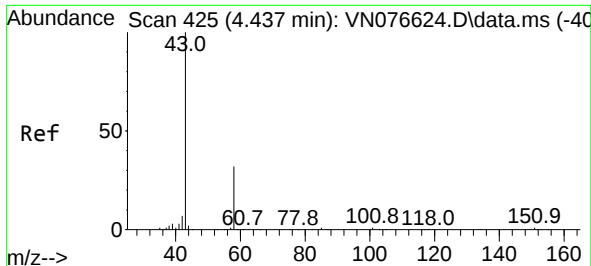
Tgt Ion:168 Resp: 326490
Ion Ratio Lower Upper
168 100
99 57.5 44.8 67.2



#5
Bromomethane
Concen: 0.306 ug/l
RT: 2.990 min Scan# 179
Delta R.T. 0.036 min
Lab File: VN076670.D
Acq: 14 Feb 2023 19:00

Tgt Ion: 94 Resp: 825
Ion Ratio Lower Upper
94 100
96 68.0 69.0 103.4#





#16

Acetone

Concen: 0.557 ug/l

RT: 4.454 min Scan# 41

Delta R.T. 0.017 min

Lab File: VN076670.D

Acq: 14 Feb 2023 19:00

Instrument :

MSVOA_N

ClientSampleId :

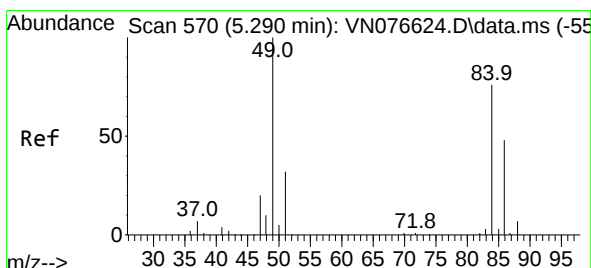
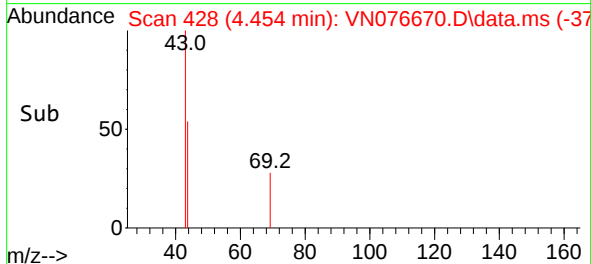
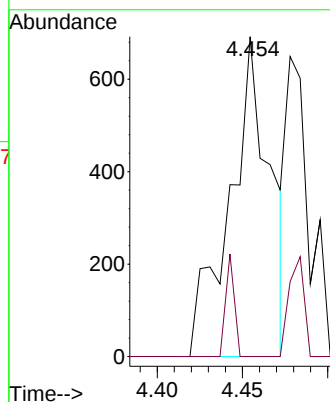
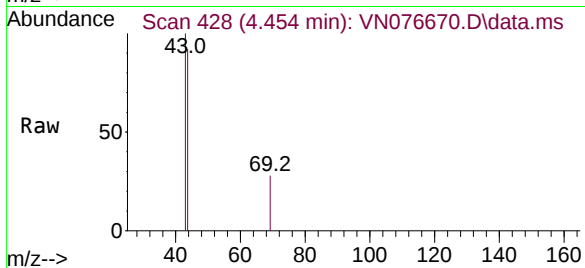
1696

Tgt Ion: 43 Resp: 1122

Ion Ratio Lower Upper

43 100

58 0.0 25.9 38.9#



#20

Methylene Chloride

Concen: 0.583 ug/l

RT: 5.296 min Scan# 571

Delta R.T. 0.006 min

Lab File: VN076670.D

Acq: 14 Feb 2023 19:00

Tgt Ion: 84 Resp: 2461

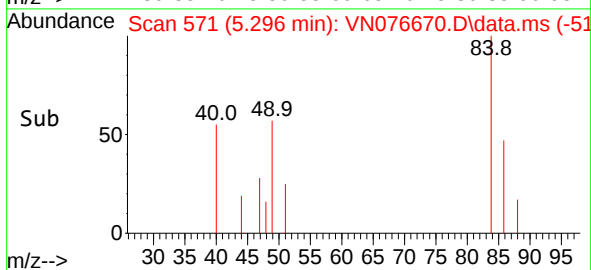
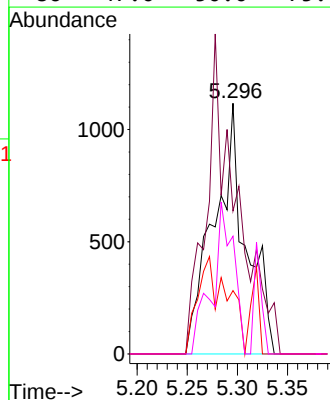
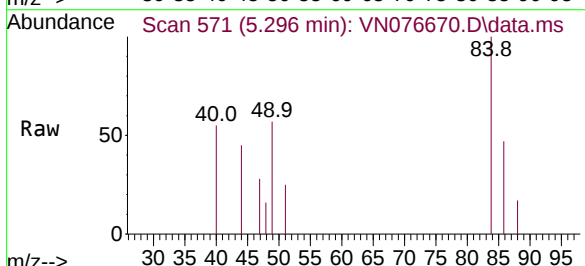
Ion Ratio Lower Upper

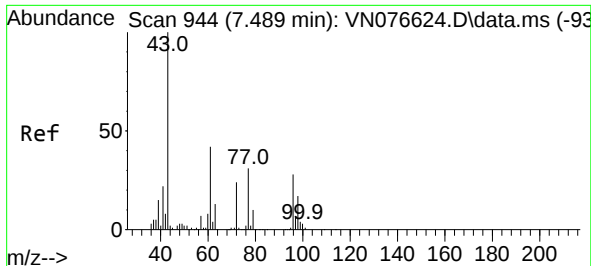
84 100

49 57.0 104.9 157.3#

51 25.2 33.8 50.8#

86 47.0 50.0 75.0#

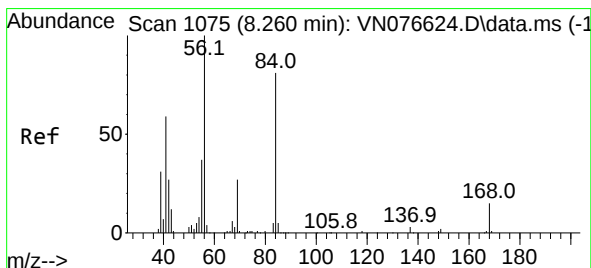
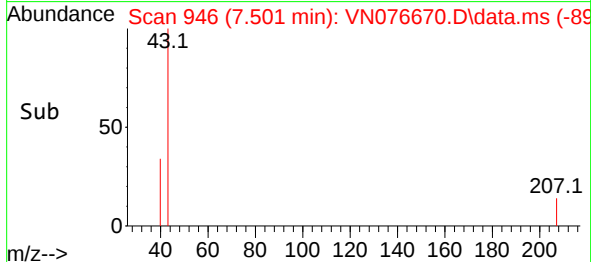
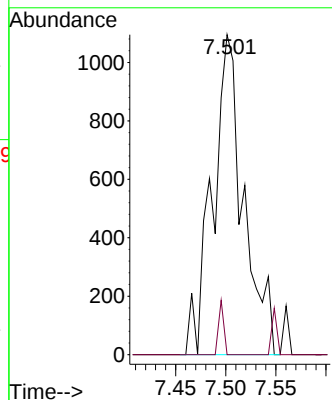
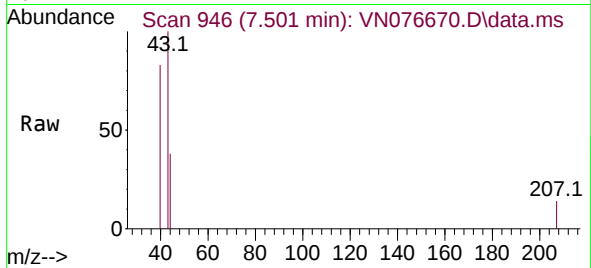




#25
2-Butanone
Concen: 0.790 ug/l
RT: 7.501 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN076670.D
Acq: 14 Feb 2023 19:00

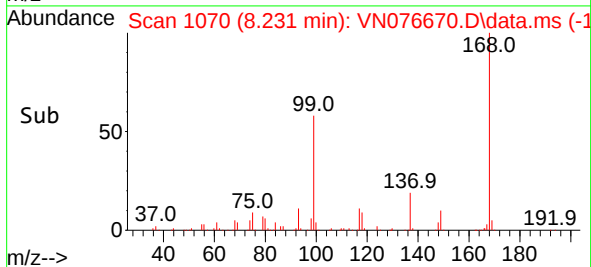
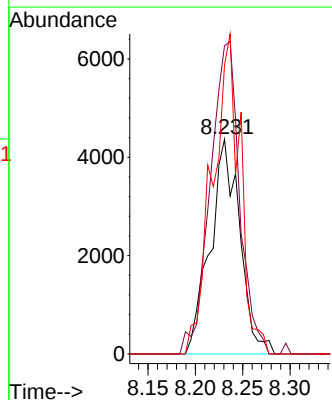
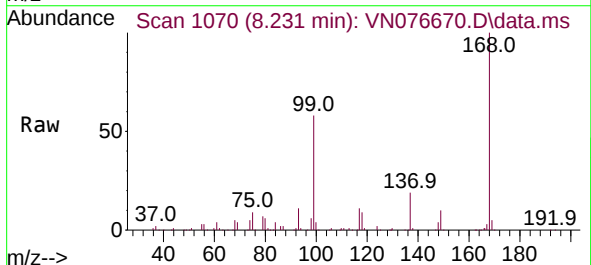
Instrument :
MSVOA_N
ClientSampleId :
1696

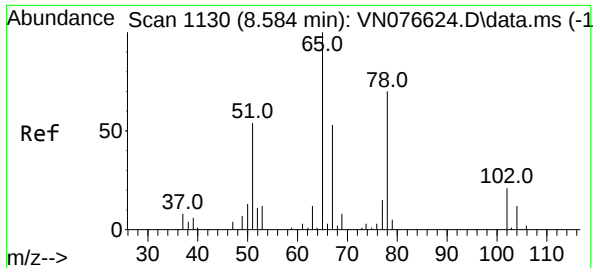
Tgt Ion: 43 Resp: 2346
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 1.344 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN076670.D
Acq: 14 Feb 2023 19:00

Tgt Ion: 56 Resp: 9505
Ion Ratio Lower Upper
56 100
69 143.6 21.6 32.4#
84 134.7 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: 51.264 ug/l

RT: 8.589 min Scan# 1131

Delta R.T. 0.005 min

Lab File: VN076670.D

Acq: 14 Feb 2023 19:00

Instrument :

MSVOA_N

ClientSampleId :

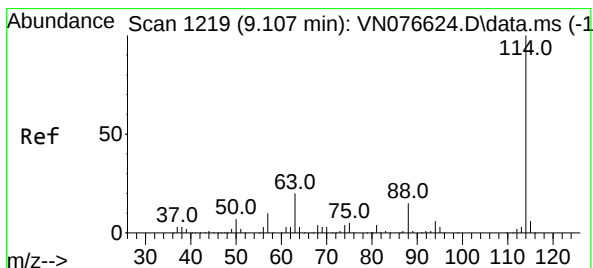
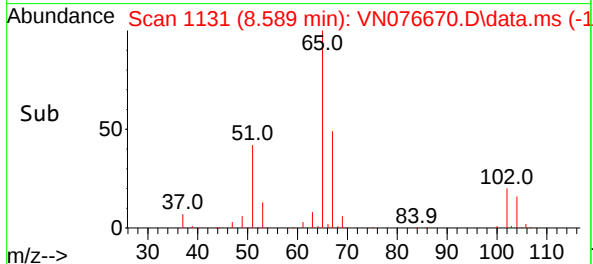
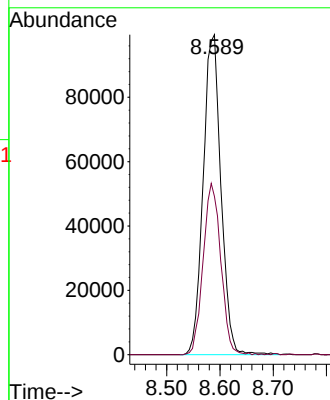
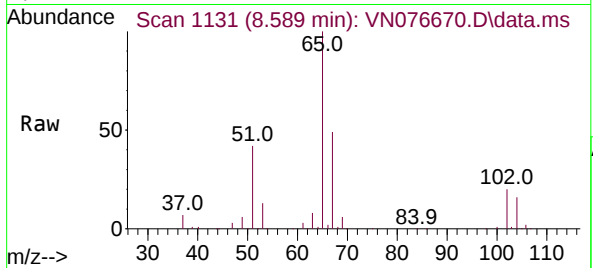
1696

Tgt Ion: 65 Resp: 231116

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN076670.D

Acq: 14 Feb 2023 19:00

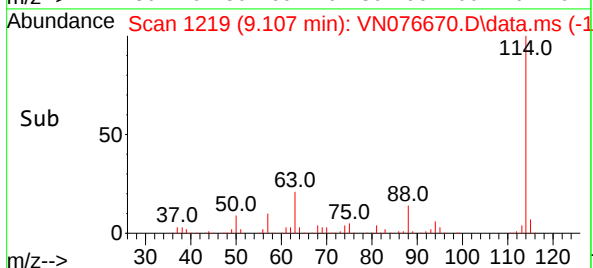
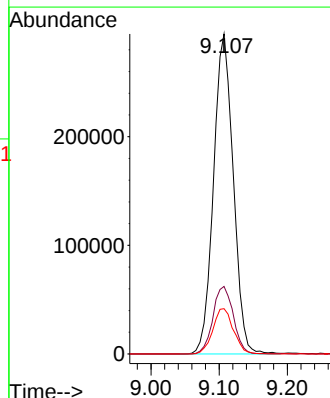
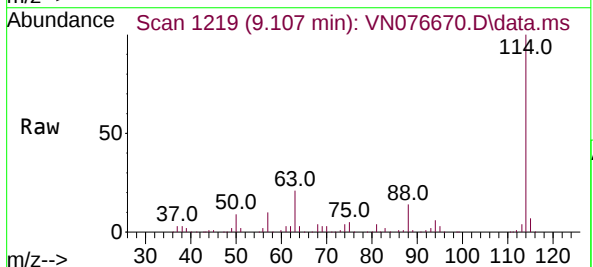
Tgt Ion: 114 Resp: 593671

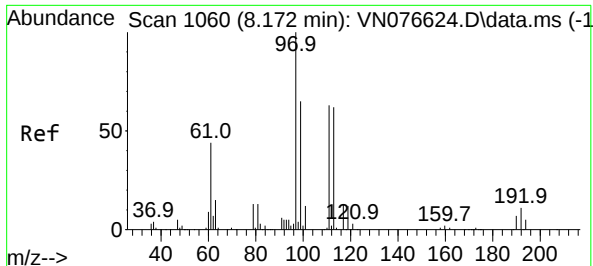
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.0

88 14.2 0.0 29.6





#35

Dibromofluoromethane

Concen: 45.682 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076670.D

Acq: 14 Feb 2023 19:00

Instrument :

MSVOA_N

ClientSampleId :

1696

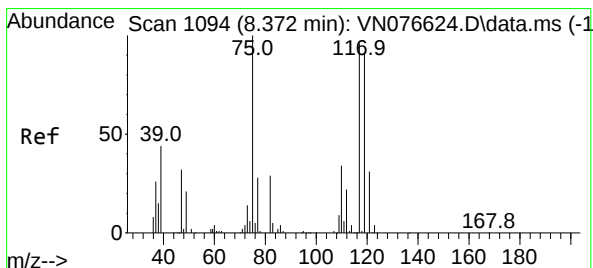
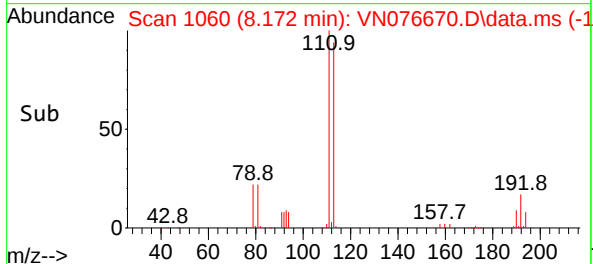
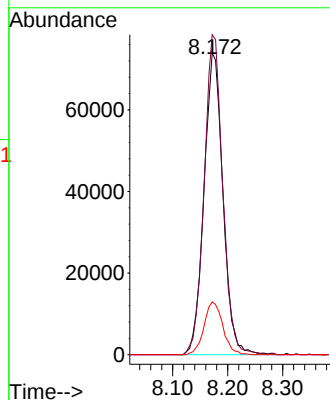
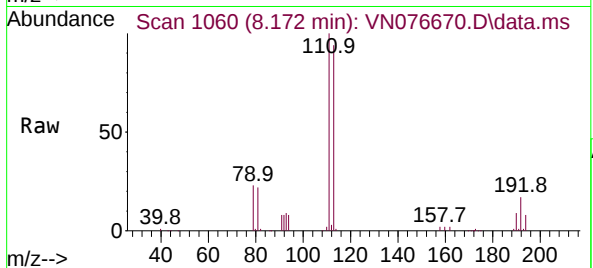
Tgt Ion:113 Resp: 177605

Ion Ratio Lower Upper

113 100

111 103.2 83.1 124.7

192 17.3 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.435 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.141 min

Lab File: VN076670.D

Acq: 14 Feb 2023 19:00

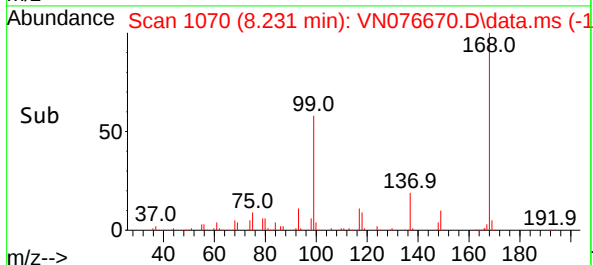
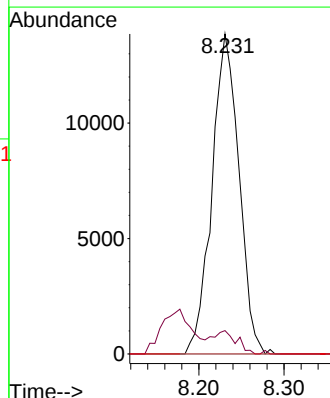
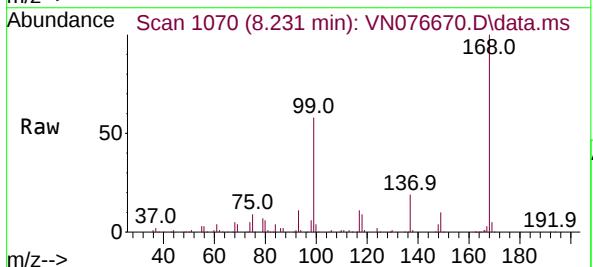
Tgt Ion: 75 Resp: 30528

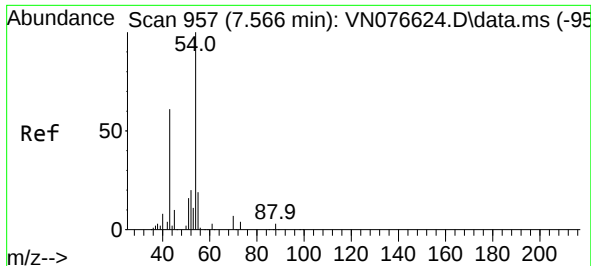
Ion Ratio Lower Upper

75 100

110 6.6 17.5 52.5#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 0.397 ug/l

RT: 7.501 min Scan# 946

Delta R.T. -0.065 min

Lab File: VN076670.D

Acq: 14 Feb 2023 19:00

Instrument :

MSVOA_N

ClientSampleId :

1696

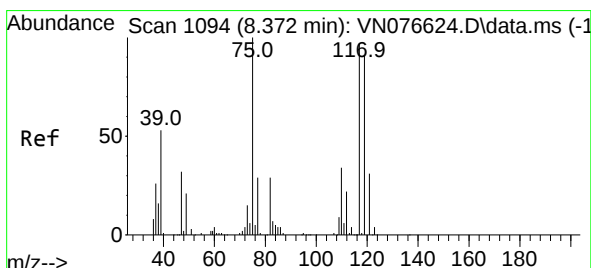
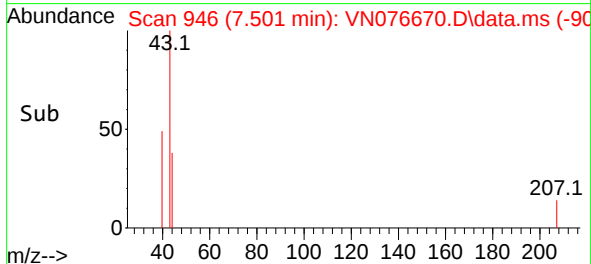
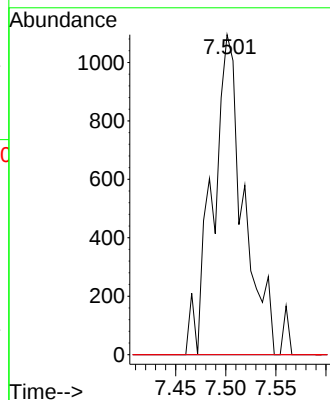
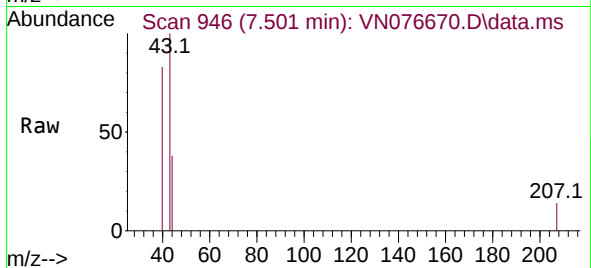
Tgt Ion: 43 Resp: 2346

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 6.132 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.141 min

Lab File: VN076670.D

Acq: 14 Feb 2023 19:00

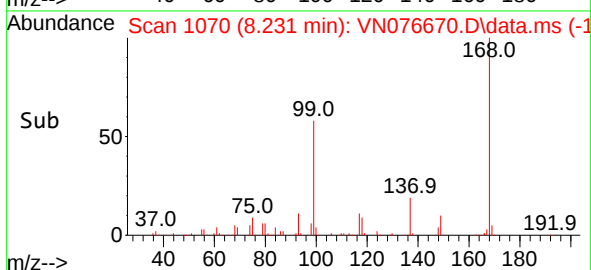
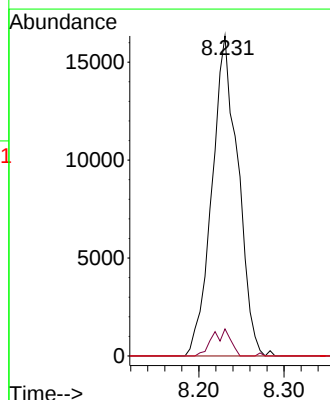
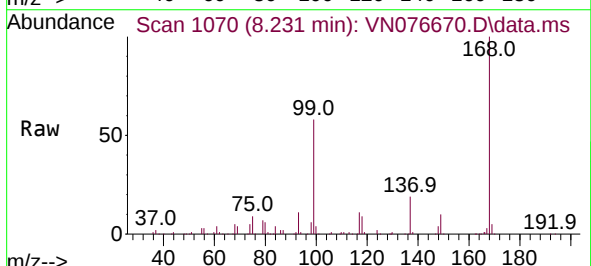
Tgt Ion: 117 Resp: 34746

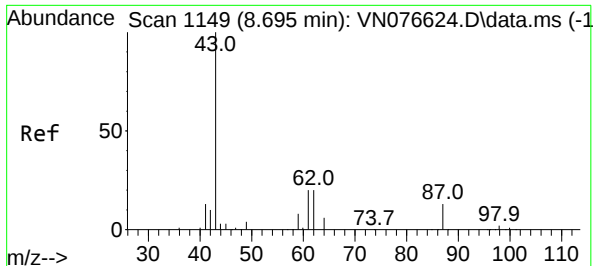
Ion Ratio Lower Upper

117 100

119 8.5 75.4 113.0#

121 0.0 26.0 39.0#

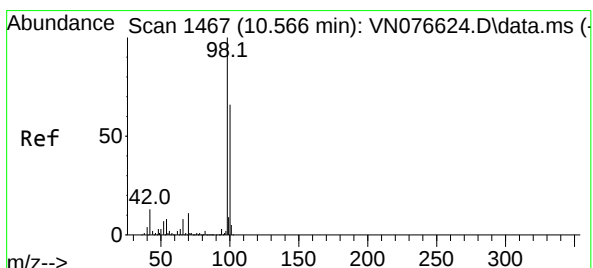
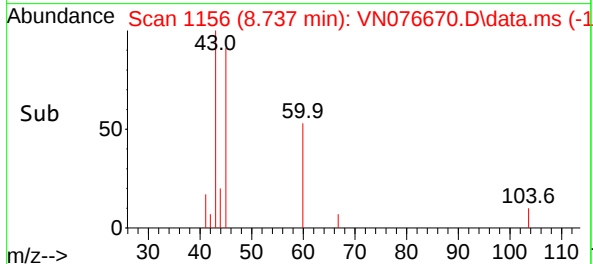
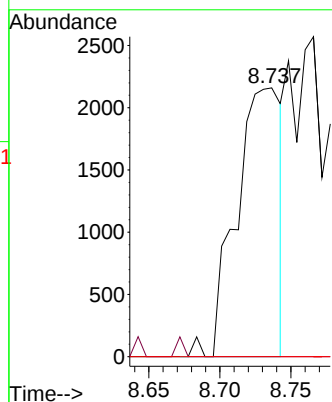
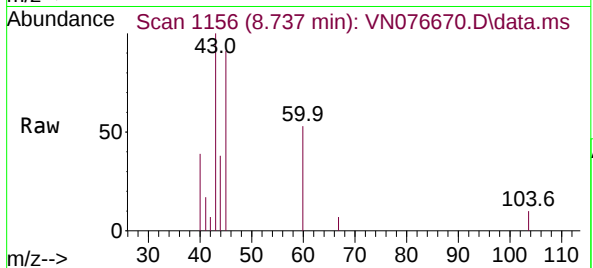




#43
Isopropyl Acetate
Concen: 0.493 ug/l
RT: 8.737 min Scan# 1149
Delta R.T. 0.042 min
Lab File: VN076670.D
Acq: 14 Feb 2023 19:00

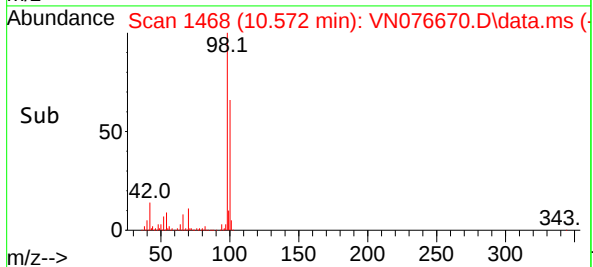
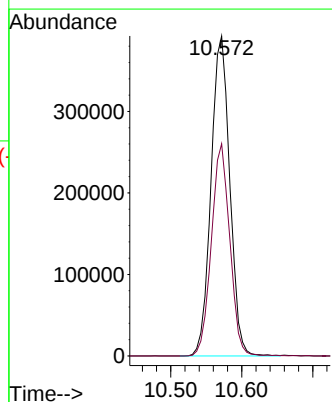
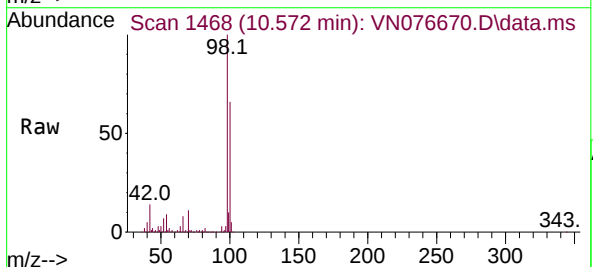
Instrument :
MSVOA_N
ClientSampleId :
1696

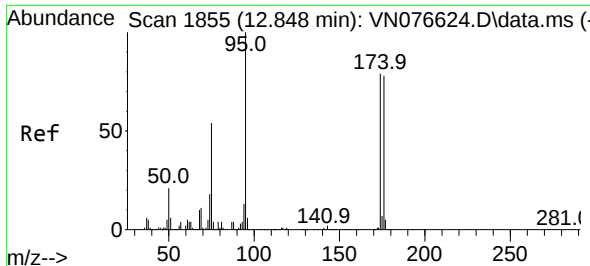
Tgt Ion: 43 Resp: 4739
Ion Ratio Lower Upper
43 100
61 0.0 20.0 30.0#
87 0.0 9.9 14.9#



#50
Toluene-d8
Concen: 49.465 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076670.D
Acq: 14 Feb 2023 19:00

Tgt Ion: 98 Resp: 718194
Ion Ratio Lower Upper
98 100
100 65.0 52.9 79.3

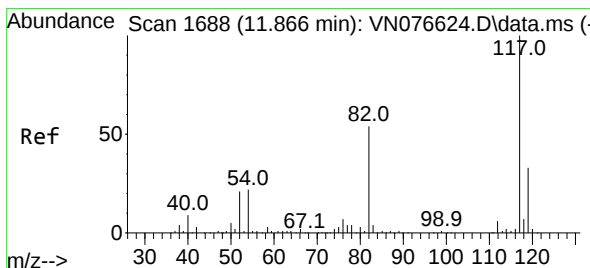
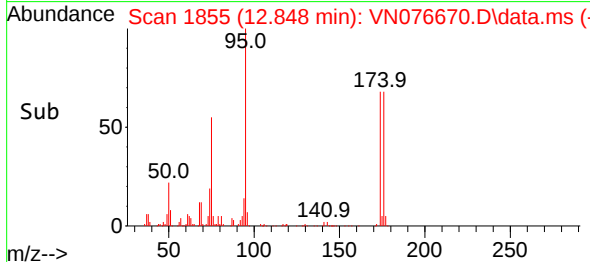
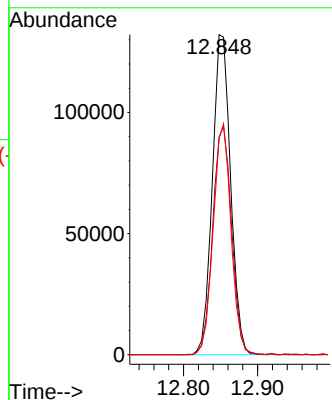
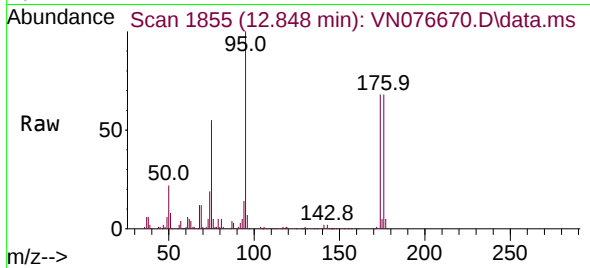




#62
4-Bromofluorobenzene
Concen: 47.031 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.000 min
Lab File: VN076670.D
Acq: 14 Feb 2023 19:00

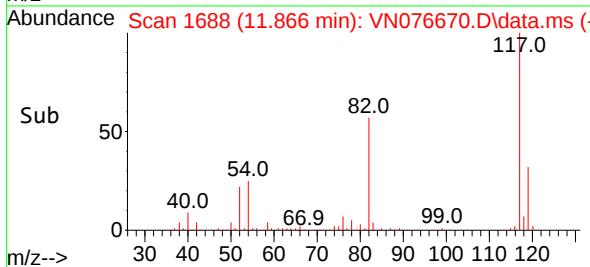
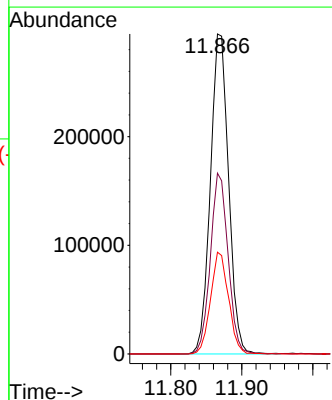
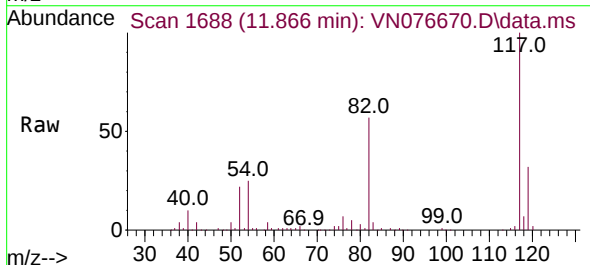
Instrument :
MSVOA_N
ClientSampleId :
1696

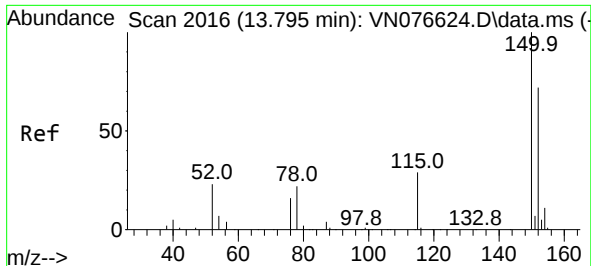
Tgt Ion: 95 Resp: 226166
Ion Ratio Lower Upper
95 100
174 73.5 0.0 169.2
176 70.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076670.D
Acq: 14 Feb 2023 19:00

Tgt Ion: 117 Resp: 523483
Ion Ratio Lower Upper
117 100
82 56.5 43.4 65.2
119 31.8 26.1 39.1

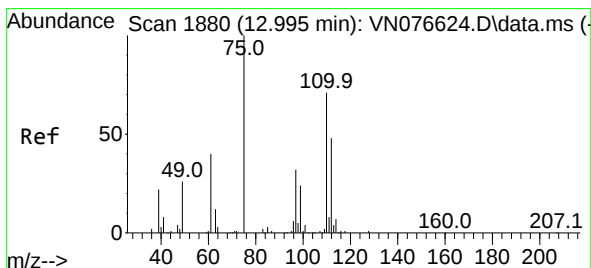
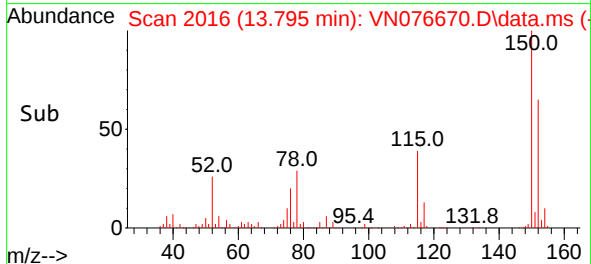
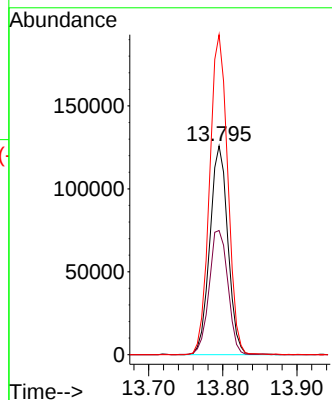
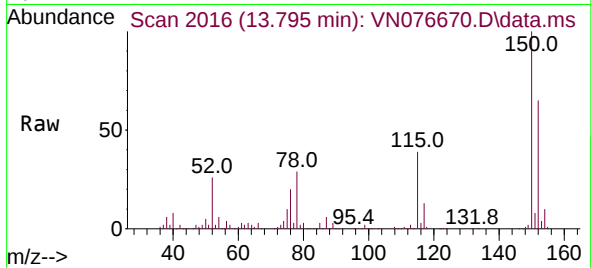




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: VN076670.D
 Acq: 14 Feb 2023 19:00

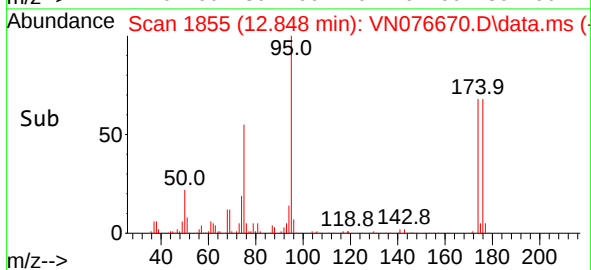
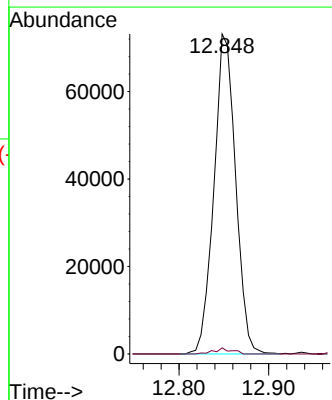
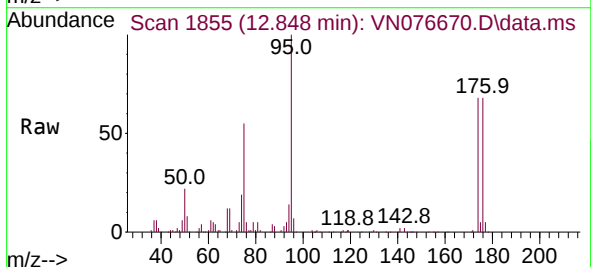
Instrument :
 MSVOA_N
 ClientSampleId :
 1696

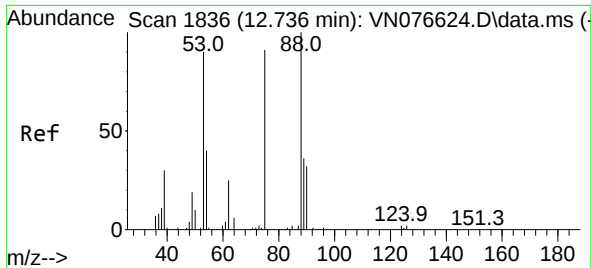
Tgt Ion:152 Resp: 212606
 Ion Ratio Lower Upper
 152 100
 115 62.1 29.3 87.9
 150 154.0 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 28.536 ug/l
 RT: 12.848 min Scan# 1855
 Delta R.T. -0.147 min
 Lab File: VN076670.D
 Acq: 14 Feb 2023 19:00

Tgt Ion: 75 Resp: 122658
 Ion Ratio Lower Upper
 75 100
 77 1.5 93.1 279.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 83.114 ug/l
RT: 12.848 min Scan# 11696
Delta R.T. 0.112 min
Lab File: VN076670.D
Acq: 14 Feb 2023 19:00

Instrument :
MSVOA_N
ClientSampleId :
1696

Tgt Ion: 75 Resp: 122658
Ion Ratio Lower Upper
75 100
53 0.1 92.1 138.1#
89 0.1 37.5 56.3#

