

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014198.D
 Acq On : 15 Jun 2023 18:37
 Operator : KP/MD
 Sample : 03235-05
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-ANDREW

Quant Time: Jun 16 02:12:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

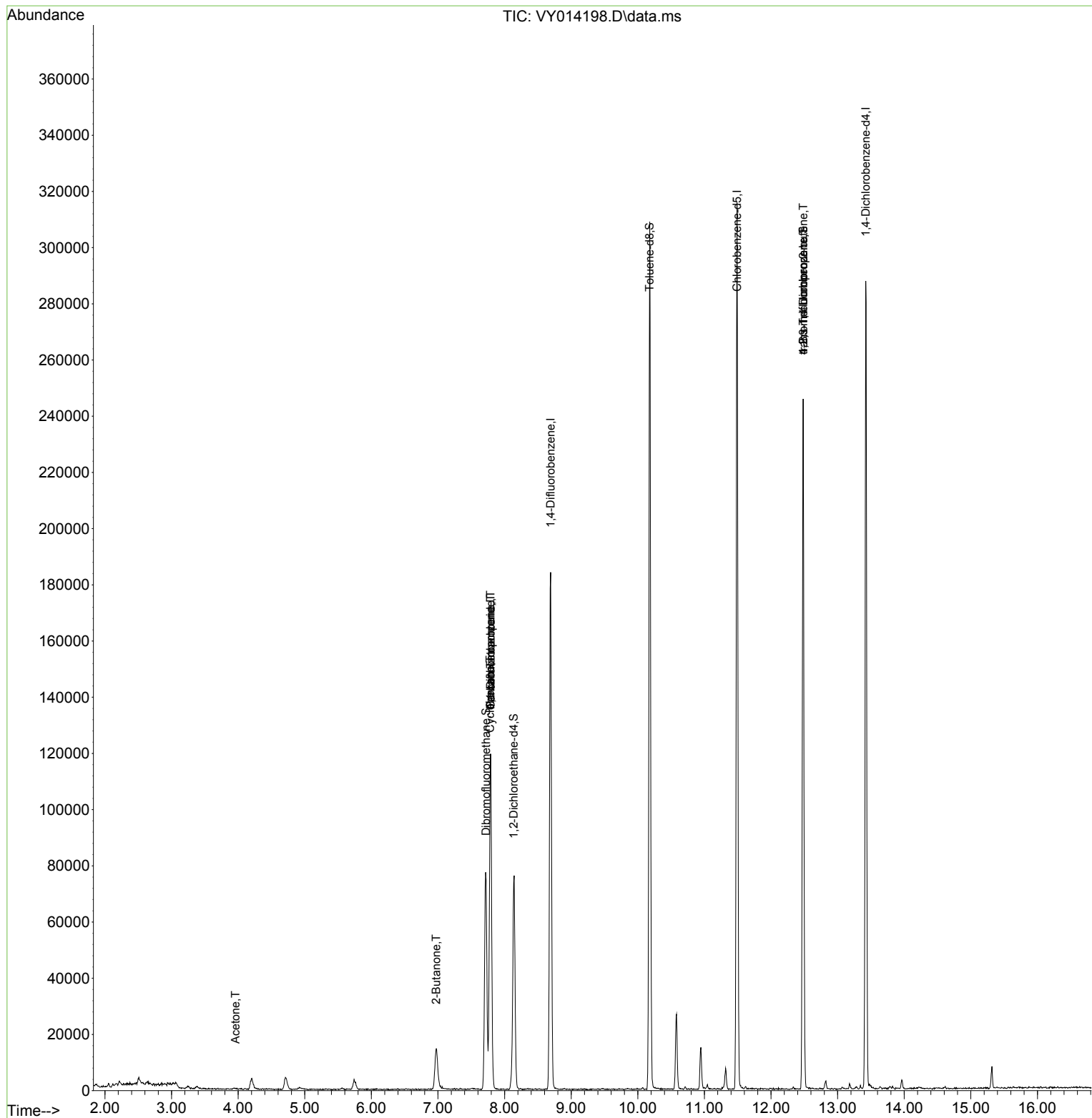
Internal Standards						
1) Pentafluorobenzene	7.789	168	92980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	155546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	164755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	75719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	61301	47.345	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.700%
35) Dibromofluoromethane	7.722	113	53500	48.500	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.000%
50) Toluene-d8	10.179	98	195154	47.321	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.640%
62) 4-Bromofluorobenzene	12.483	95	64252	43.859	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.720%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	897	Below Cal	#	89
16) Acetone	3.960	43	766	1.963	ug/l #	46
20) Methylene Chloride	4.710	84	3373	Below Cal	#	72
25) 2-Butanone	6.972	43	881	1.834	ug/l #	49
31) Cyclohexane	7.783	56	2268	1.308	ug/l #	24
36) 1,1-Dichloropropene	7.789	75	7307	4.249	ug/l #	52
38) Carbon Tetrachloride	7.789	117	9423	4.748	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	35050	35.282	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	35050	76.267	ug/l #	11

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

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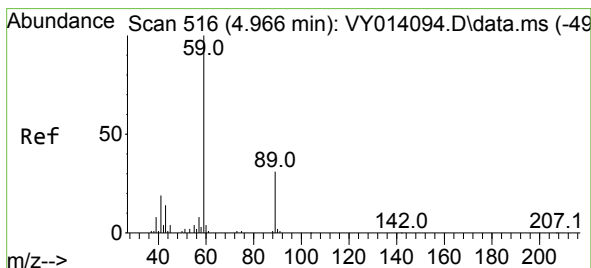
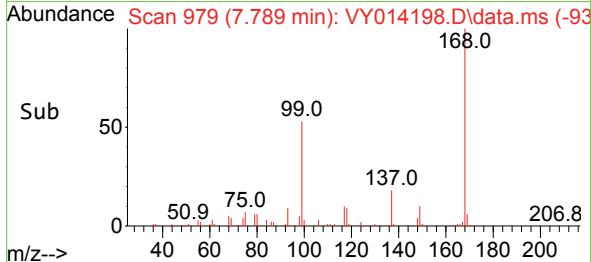
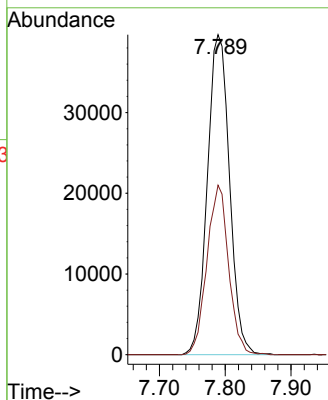
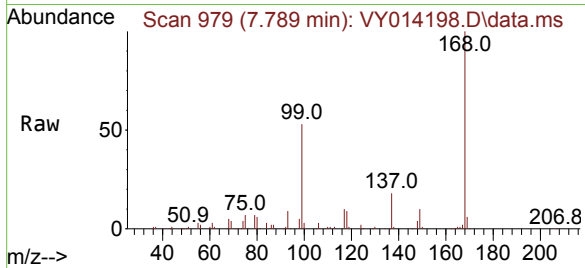




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014198.D
Acq: 15 Jun 2023 18:37

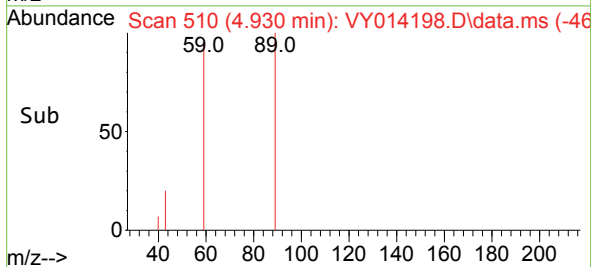
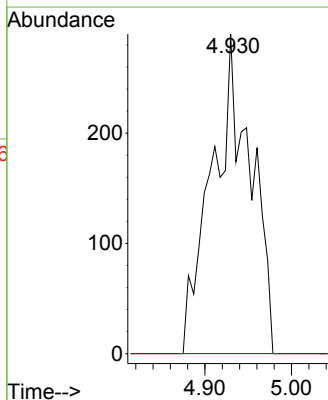
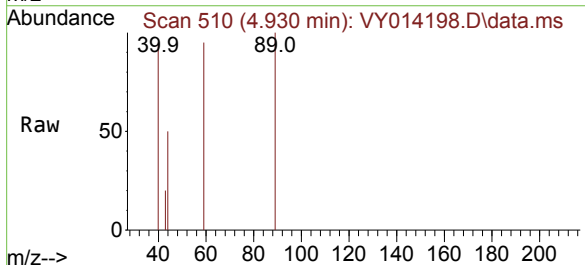
Instrument :
MSVOA_Y
ClientSampleId :
C-ANDREW

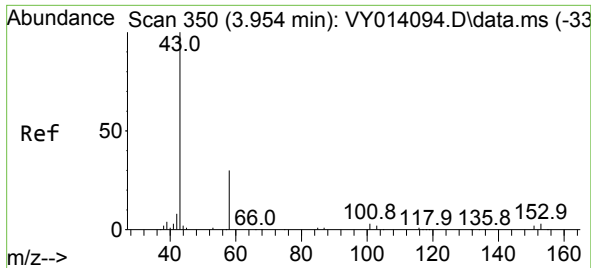
Tgt Ion:168 Resp: 92980
Ion Ratio Lower Upper
168 100
99 53.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.036 min
Lab File: VY014198.D
Acq: 15 Jun 2023 18:37

Tgt Ion: 59 Resp: 897
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 1.963 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY014198.D

Acq: 15 Jun 2023 18:37

Instrument :

MSVOA_Y

ClientSampleId :

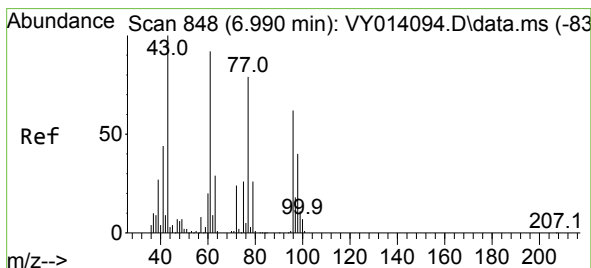
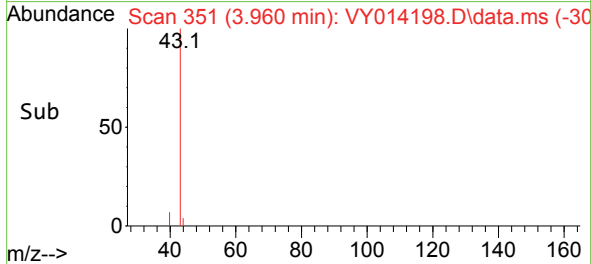
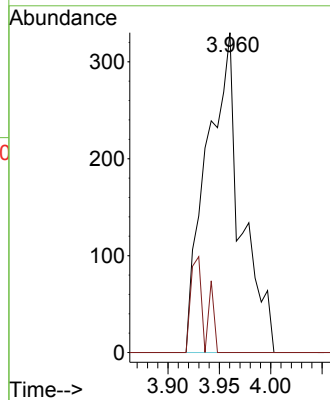
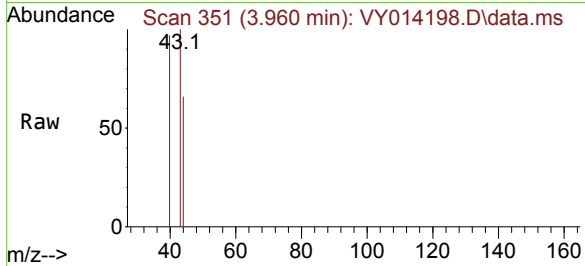
C-ANDREW

Tgt Ion: 43 Resp: 766

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#25

2-Butanone

Concen: 1.834 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.018 min

Lab File: VY014198.D

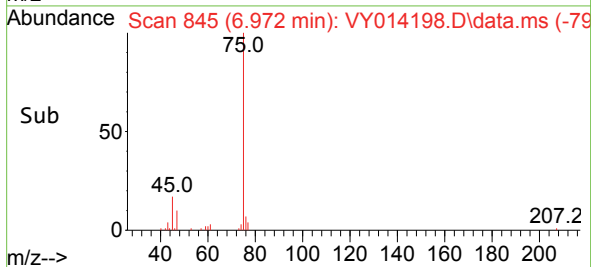
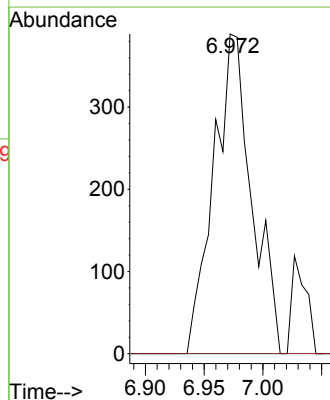
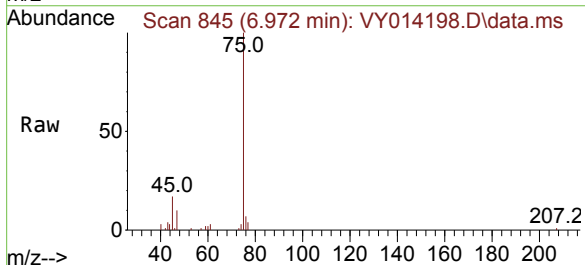
Acq: 15 Jun 2023 18:37

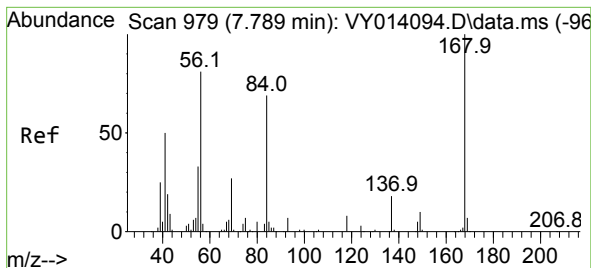
Tgt Ion: 43 Resp: 881

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#





#31

Cyclohexane

Concen: 1.308 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY014198.D

Acq: 15 Jun 2023 18:37

Instrument :

MSVOA_Y

ClientSampleId :

C-ANDREW

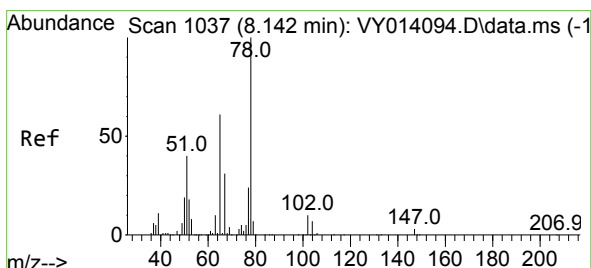
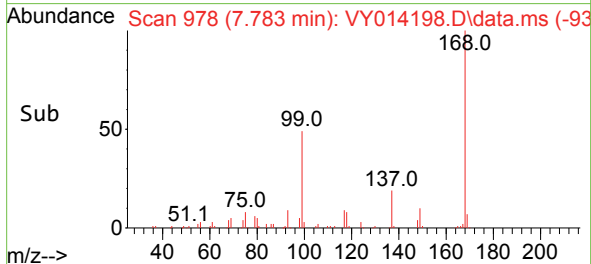
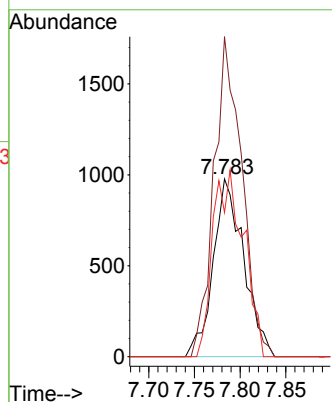
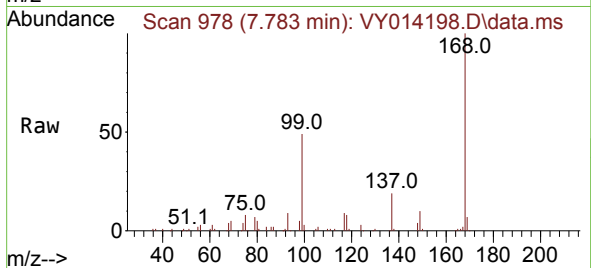
Tgt Ion: 56 Resp: 2268

Ion Ratio Lower Upper

56 100

69 180.0 27.8 41.6#

84 81.1 66.4 99.6



#33

1,2-Dichloroethane-d4

Concen: 47.345 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014198.D

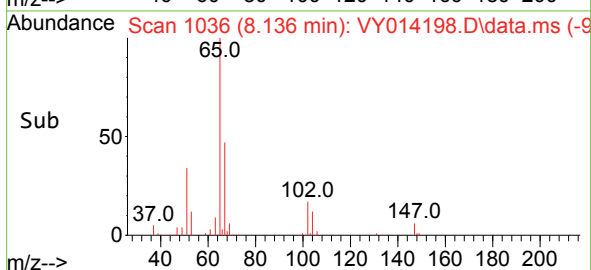
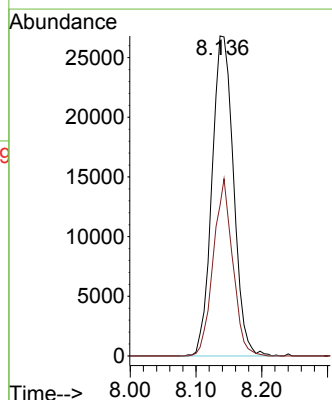
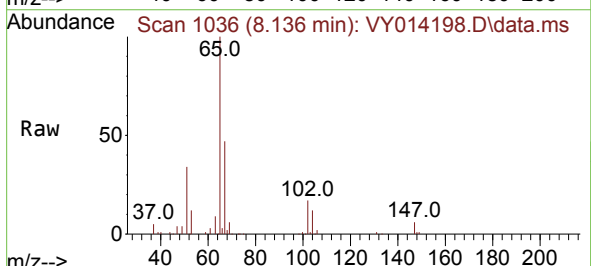
Acq: 15 Jun 2023 18:37

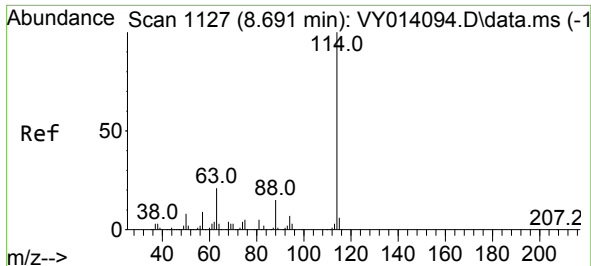
Tgt Ion: 65 Resp: 61301

Ion Ratio Lower Upper

65 100

67 49.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014198.D

Acq: 15 Jun 2023 18:37

Instrument :

MSVOA_Y

ClientSampleId :

C-ANDREW

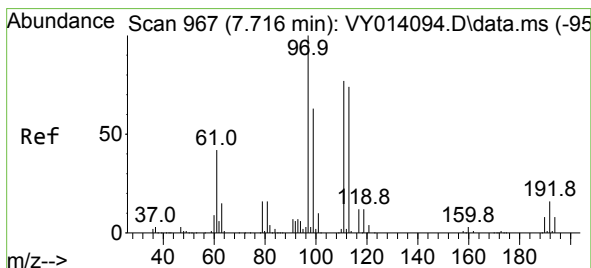
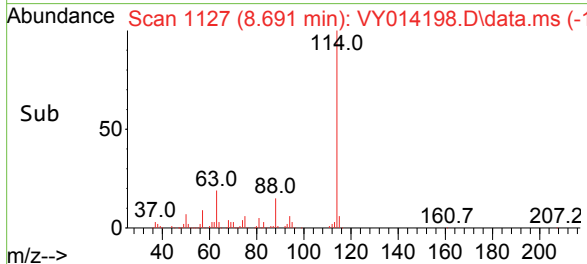
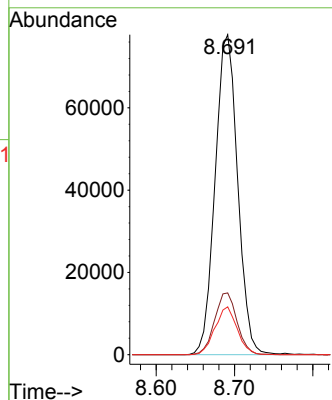
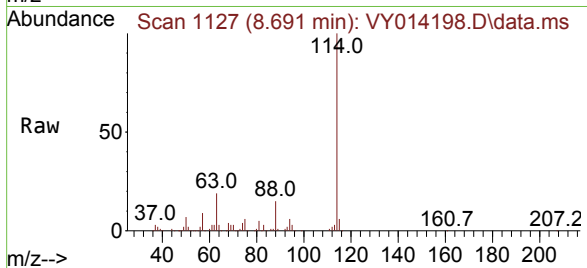
Tgt Ion:114 Resp: 155546

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.500 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014198.D

Acq: 15 Jun 2023 18:37

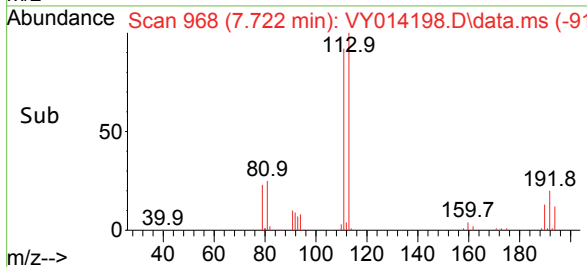
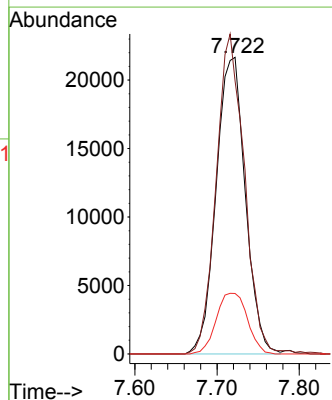
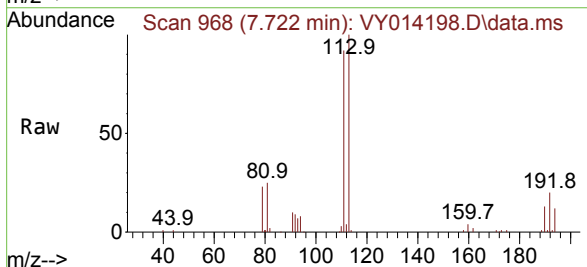
Tgt Ion:113 Resp: 53500

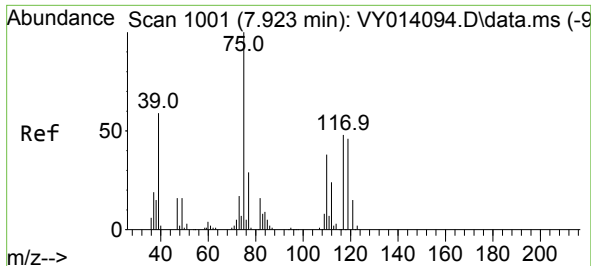
Ion Ratio Lower Upper

113 100

111 104.3 81.3 121.9

192 21.8 16.9 25.3

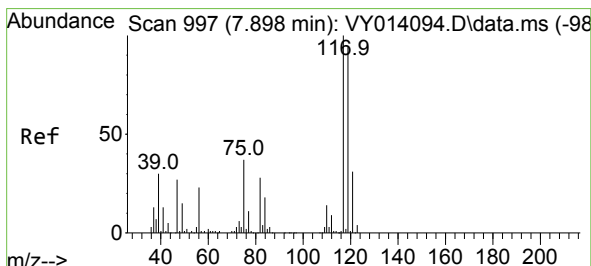
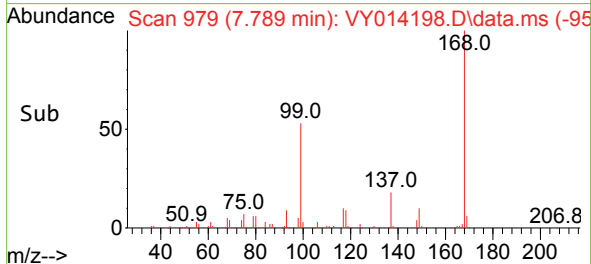
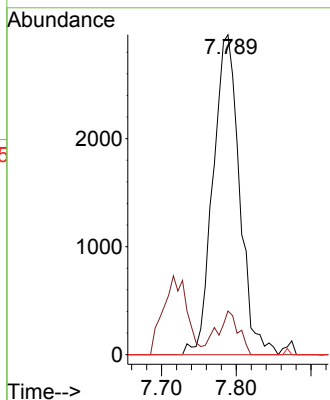
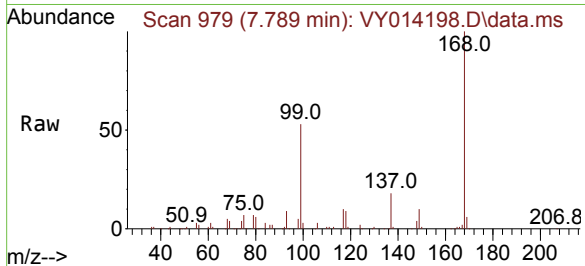




#36
1,1-Dichloropropene
Concen: 4.249 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY014198.D
Acq: 15 Jun 2023 18:37

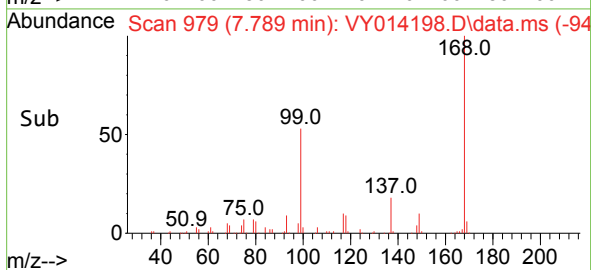
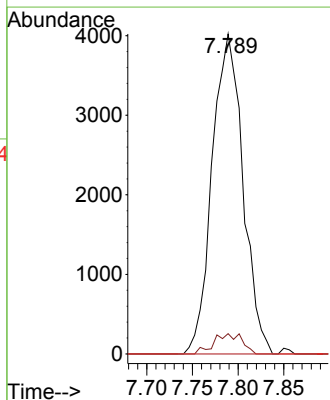
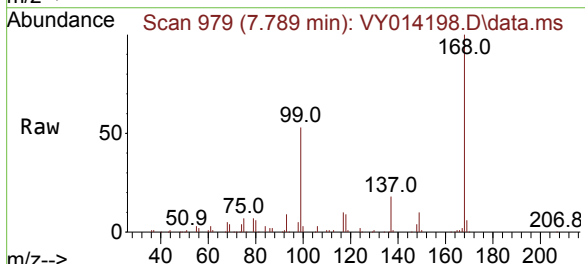
Instrument :
MSVOA_Y
ClientSampleId :
C-ANDREW

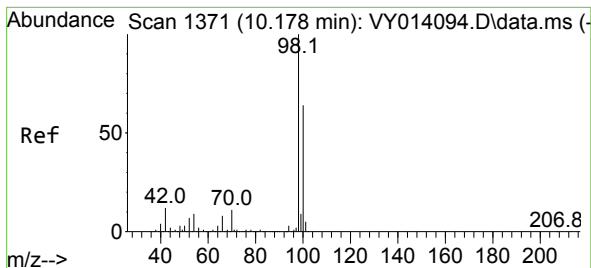
Tgt Ion: 75 Resp: 7307
Ion Ratio Lower Upper
75 100
110 11.3 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.748 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY014198.D
Acq: 15 Jun 2023 18:37

Tgt Ion: 117 Resp: 9423
Ion Ratio Lower Upper
117 100
119 6.3 76.4 114.6#
121 0.0 25.8 38.6#

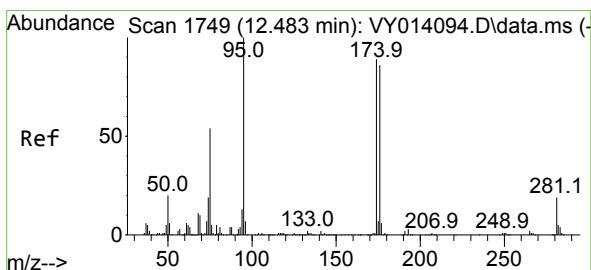
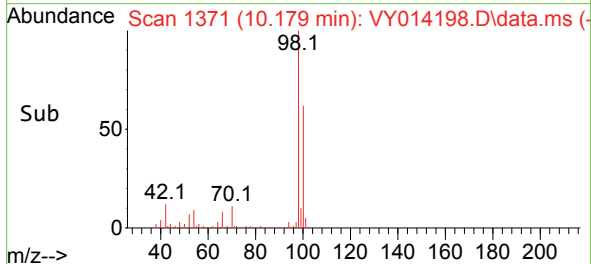
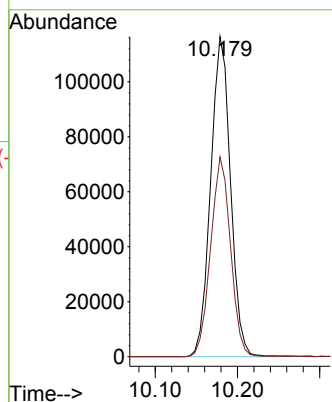
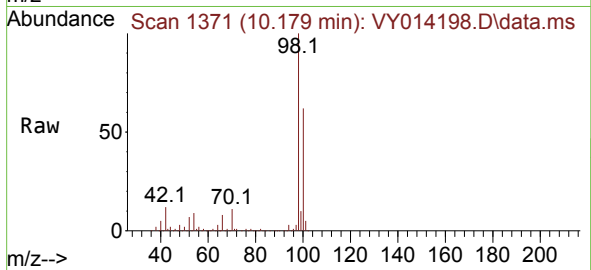




#50
Toluene-d8
Concen: 47.321 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014198.D
Acq: 15 Jun 2023 18:37

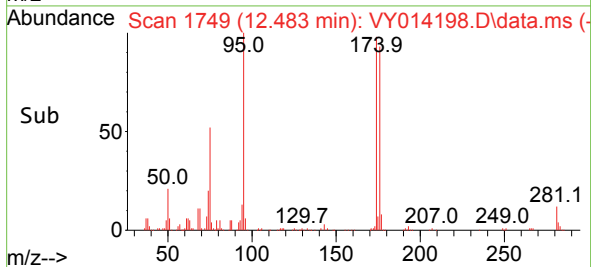
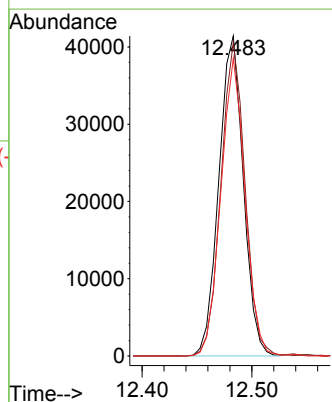
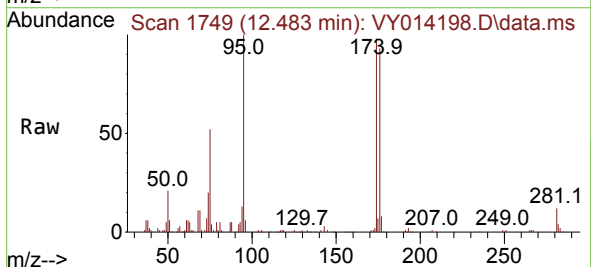
Instrument :
MSVOA_Y
ClientSampleId :
C-ANDREW

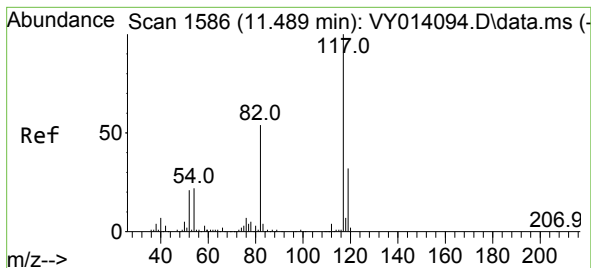
Tgt Ion: 98 Resp: 195154
Ion Ratio Lower Upper
98 100
100 62.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 43.859 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014198.D
Acq: 15 Jun 2023 18:37

Tgt Ion: 95 Resp: 64252
Ion Ratio Lower Upper
95 100
174 96.5 0.0 178.2
176 91.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014198.D

Acq: 15 Jun 2023 18:37

Instrument :

MSVOA_Y

ClientSampleId :

C-ANDREW

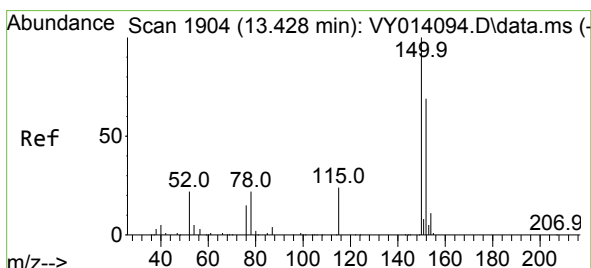
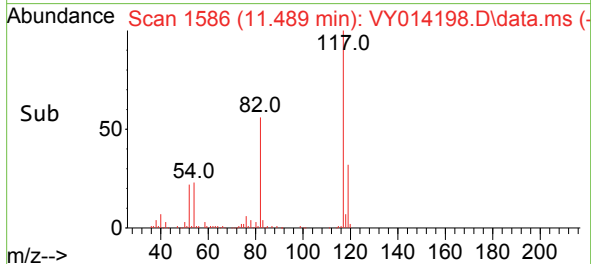
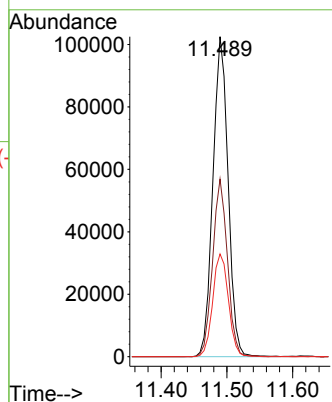
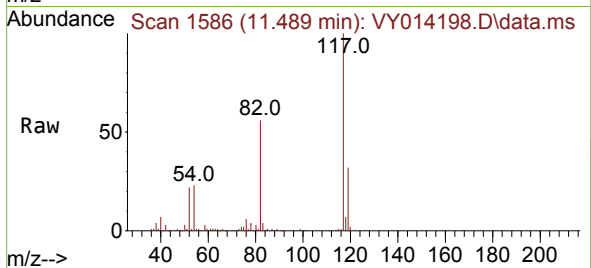
Tgt Ion:117 Resp: 164755

Ion Ratio Lower Upper

117 100

82 55.5 43.4 65.0

119 32.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014198.D

Acq: 15 Jun 2023 18:37

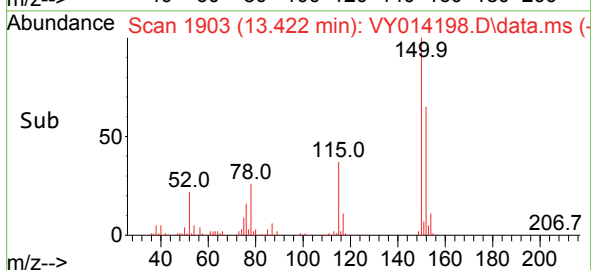
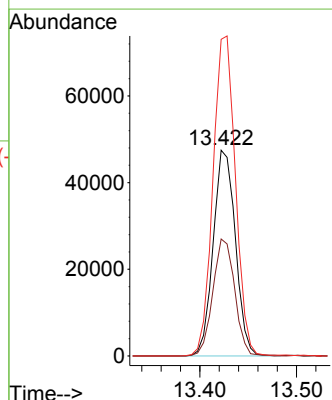
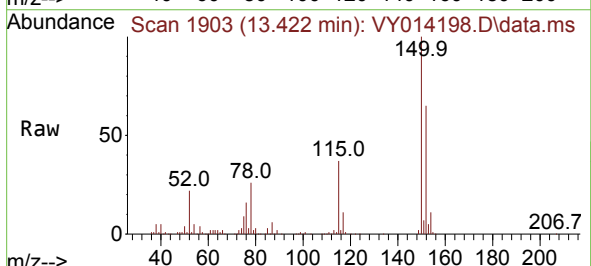
Tgt Ion:152 Resp: 75719

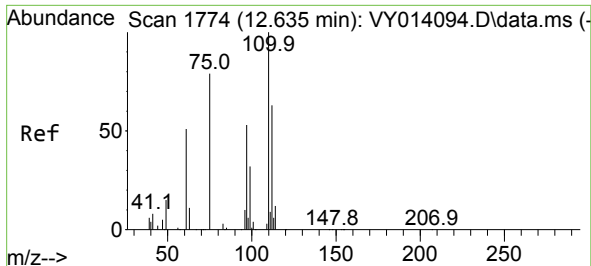
Ion Ratio Lower Upper

152 100

115 55.9 28.8 86.5

150 157.1 0.0 348.8

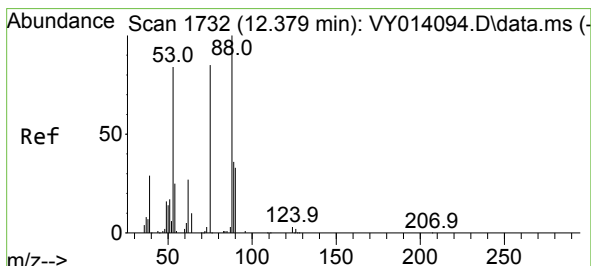
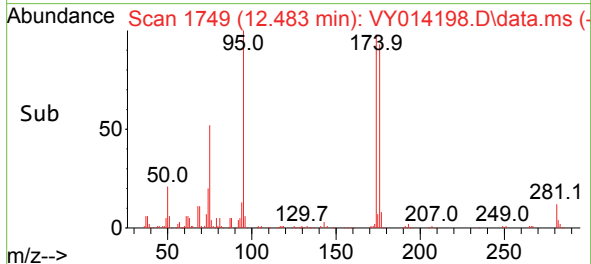
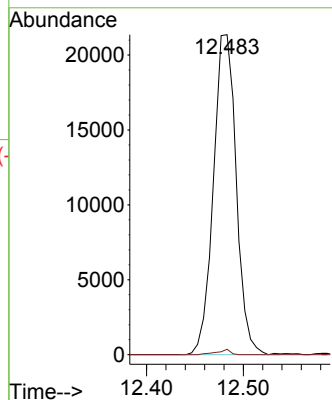
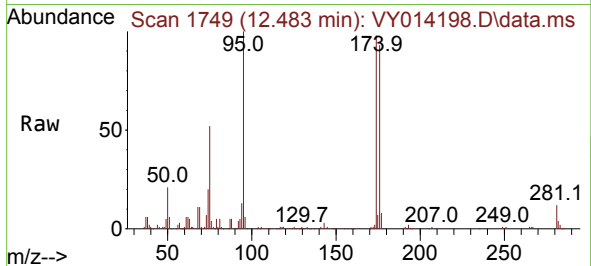




#76
1,2,3-Trichloropropane
Concen: 35.282 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014198.D
Acq: 15 Jun 2023 18:37

Instrument :
MSVOA_Y
ClientSampleId :
C-ANDREW

Tgt Ion: 75 Resp: 35050
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.267 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014198.D
Acq: 15 Jun 2023 18:37

Tgt Ion: 75 Resp: 35050
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.0 37.4 56.0#

