

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092723\
 Data File : VY015736.D
 Acq On : 27 Sep 2023 19:51
 Operator : SY/MD
 Sample : 04627-21
 Misc : 5.19g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 28 00:50:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

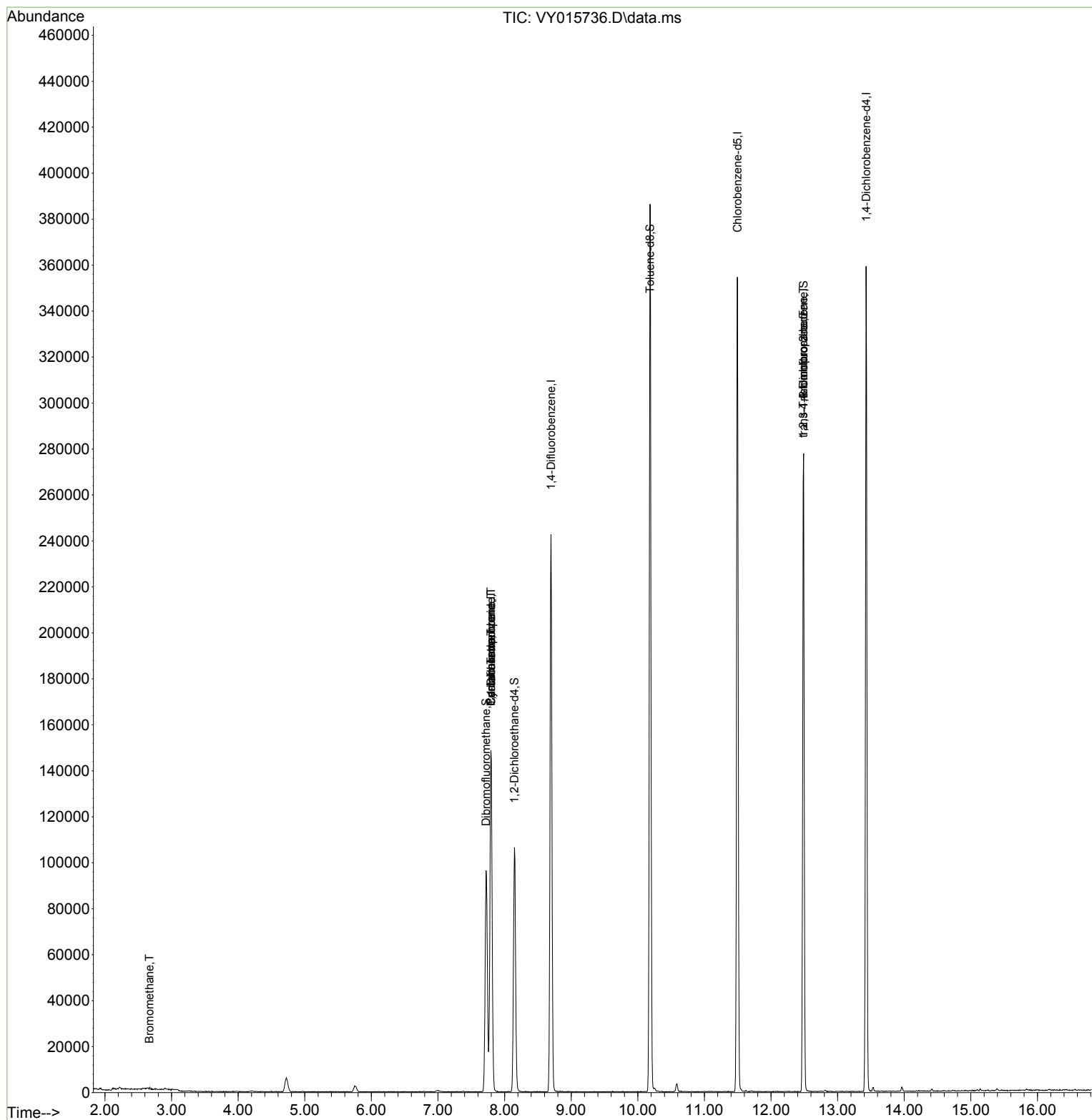
Internal Standards						
1) Pentafluorobenzene	7.795	168	116800	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	206563	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	195025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	82704	64.355	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.700%	
35) Dibromofluoromethane	7.722	113	68984	55.796	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.600%	
50) Toluene-d8	10.185	98	248537	59.288	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 118.580%	
62) 4-Bromofluorobenzene	12.489	95	83444	50.723	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.440%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	46	2.596	ug/l	85
20) Methylene Chloride	4.722	84	4990	Below Cal	#	78
31) Cyclohexane	7.795	56	2366	1.329	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	8979	4.912	ug/l #	51
38) Carbon Tetrachloride	7.795	117	11943	6.019	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	44752	31.403	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44752	70.717	ug/l #	11

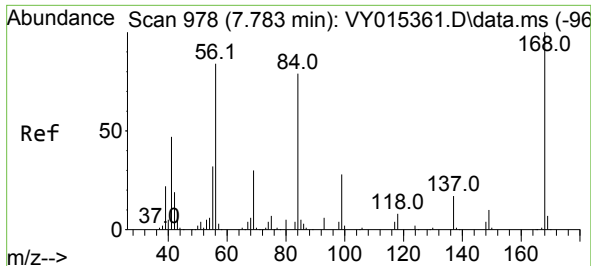
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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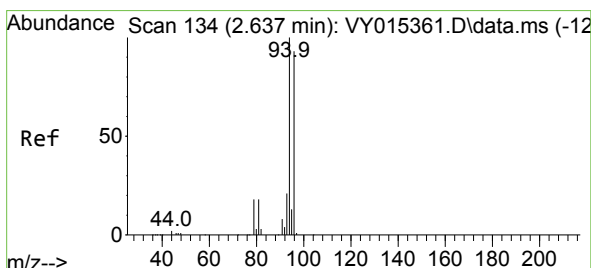
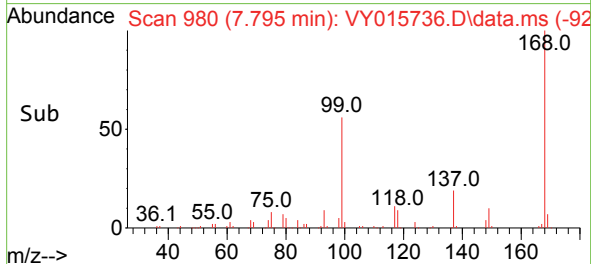
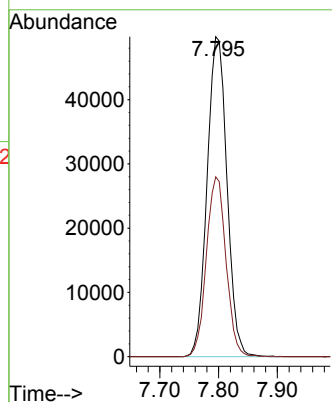
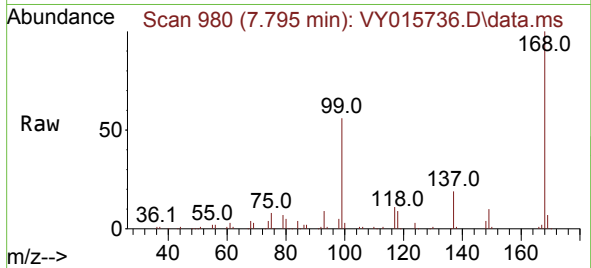




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015736.D
Acq: 27 Sep 2023 19:51

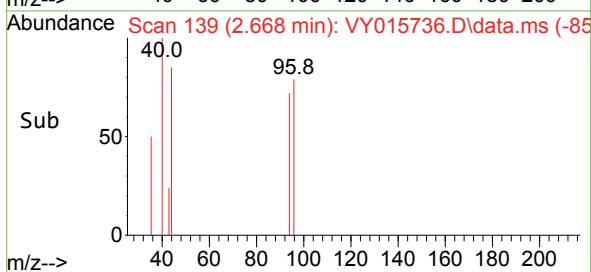
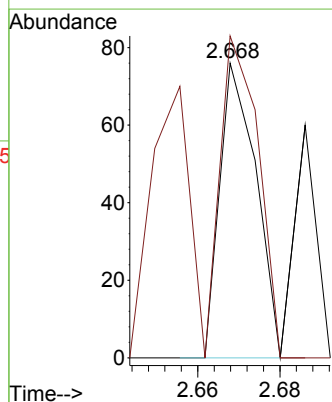
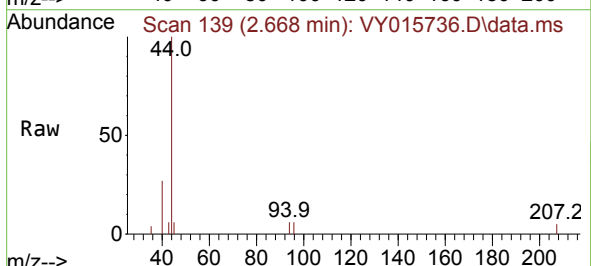
Instrument :
MSVOA_Y
ClientSampleId :

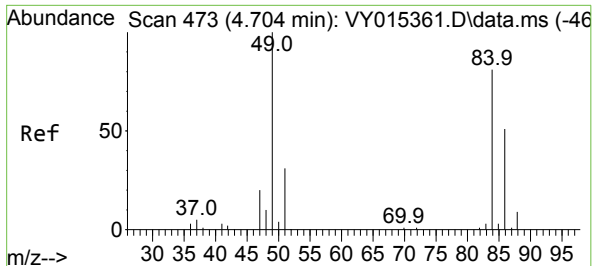
Tgt Ion:168 Resp: 116800
Ion Ratio Lower Upper
168 100
99 56.2 43.4 65.0



#5
Bromomethane
Concen: 2.596 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.031 min
Lab File: VY015736.D
Acq: 27 Sep 2023 19:51

Tgt Ion: 94 Resp: 46
Ion Ratio Lower Upper
94 100
96 109.2 75.8 113.6





#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 41

Delta R.T. 0.018 min

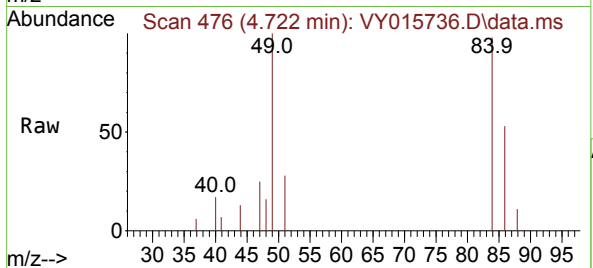
Lab File: VY015736.D

Acq: 27 Sep 2023 19:51

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 4990

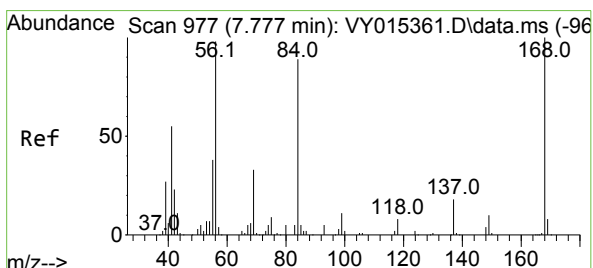
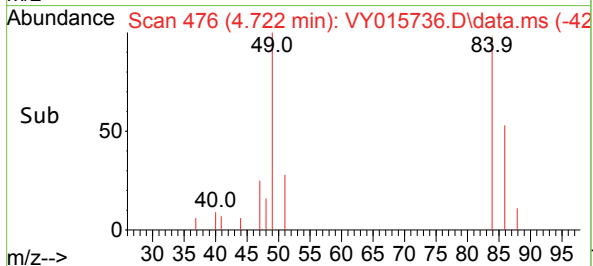
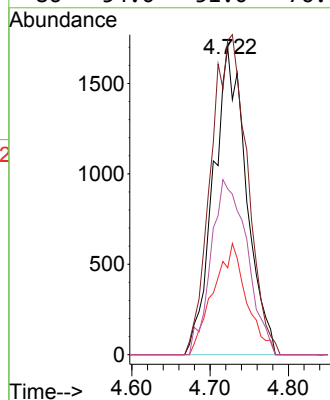
Ion Ratio Lower Upper

84 100

49 102.4 106.9 160.3#

51 28.3 33.2 49.8#

86 54.0 51.0 76.6



#31

Cyclohexane

Concen: 1.329 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY015736.D

Acq: 27 Sep 2023 19:51

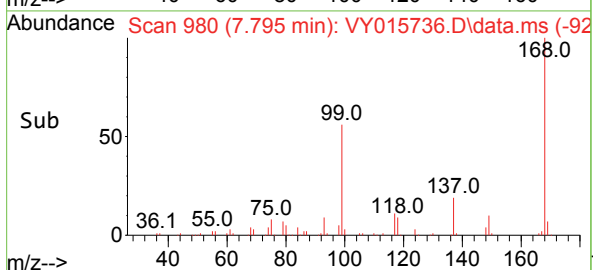
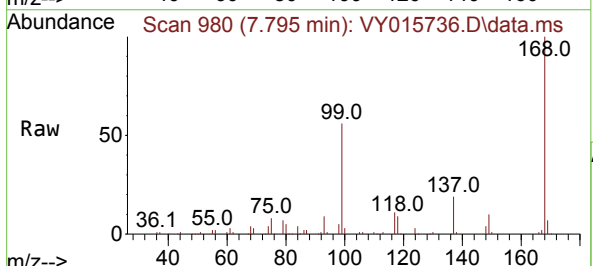
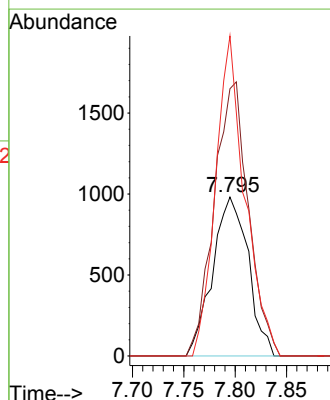
Tgt Ion: 56 Resp: 2366

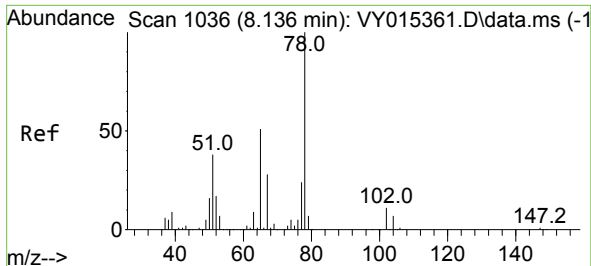
Ion Ratio Lower Upper

56 100

69 168.2 27.8 41.6#

84 210.0 66.4 99.6#

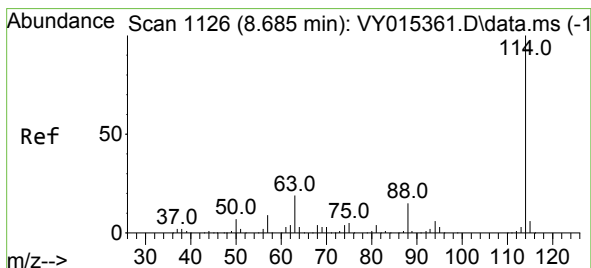
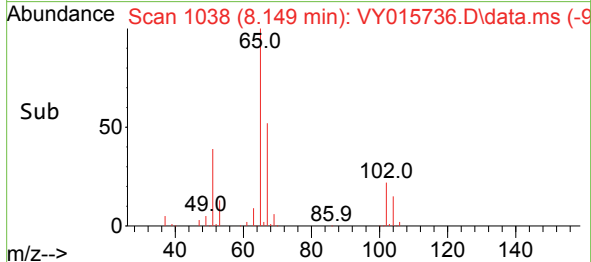
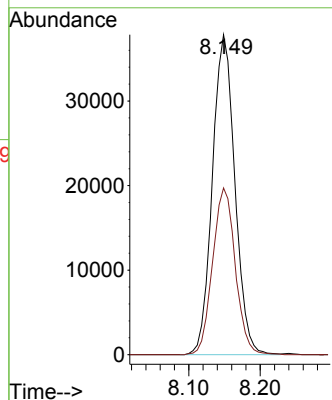
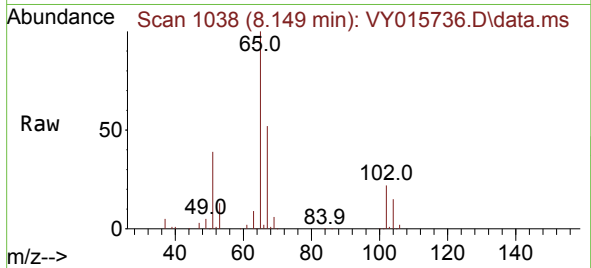




#33
 1,2-Dichloroethane-d4
 Concen: 64.355 ug/l
 RT: 8.149 min Scan# 110
 Delta R.T. 0.013 min
 Lab File: VY015736.D
 Acq: 27 Sep 2023 19:51

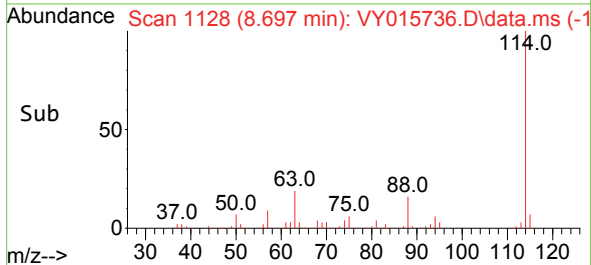
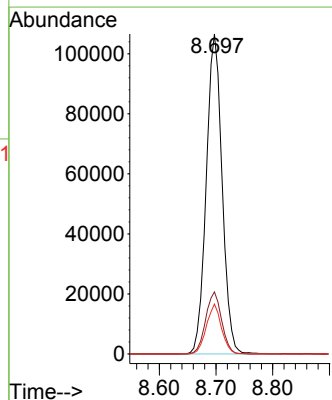
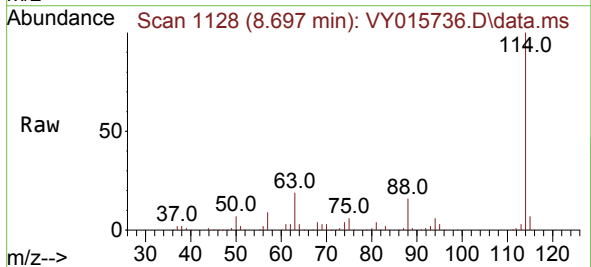
Instrument :
 MSVOA_Y
 ClientSampleId :

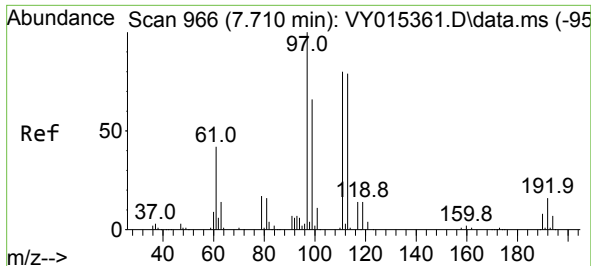
Tgt Ion: 65 Resp: 82704
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.012 min
 Lab File: VY015736.D
 Acq: 27 Sep 2023 19:51

Tgt Ion: 114 Resp: 206563
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.4
 88 15.6 0.0 30.6

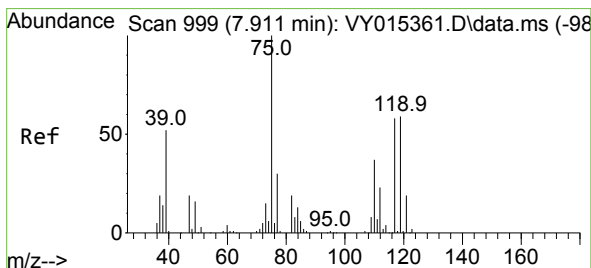
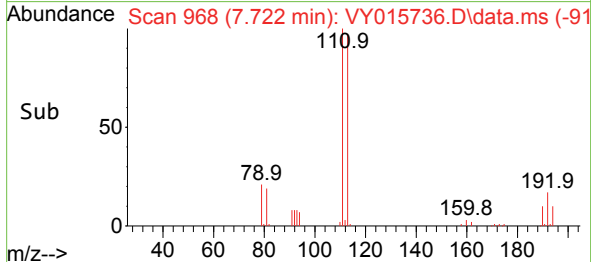
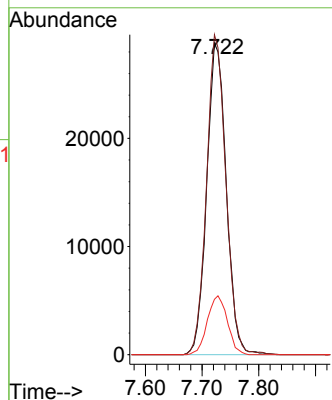
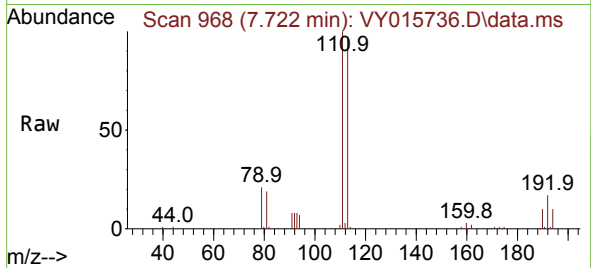




#35
Dibromofluoromethane
Concen: 55.796 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015736.D
Acq: 27 Sep 2023 19:51

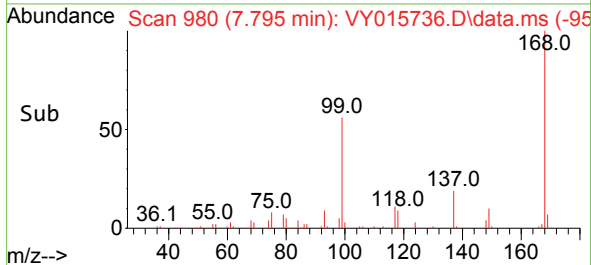
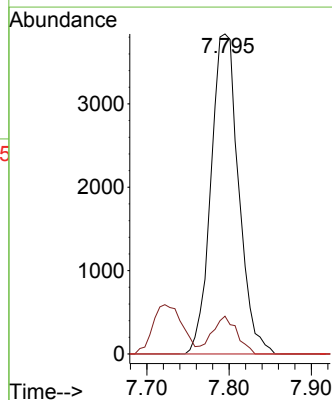
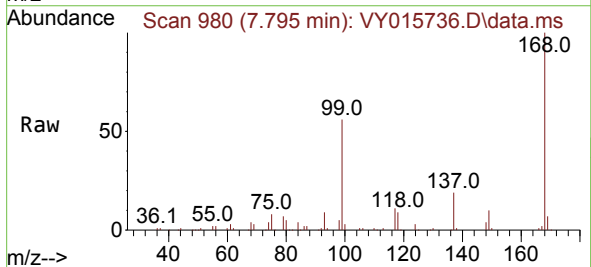
Instrument :
MSVOA_Y
ClientSampleId :

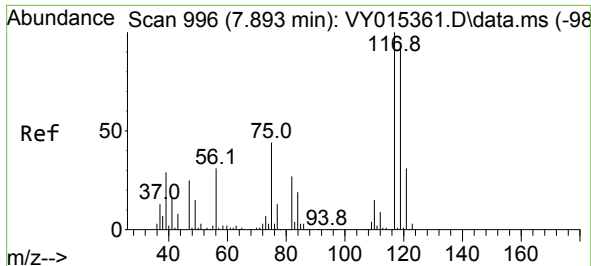
Tgt Ion:113 Resp: 68984
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.912 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY015736.D
Acq: 27 Sep 2023 19:51

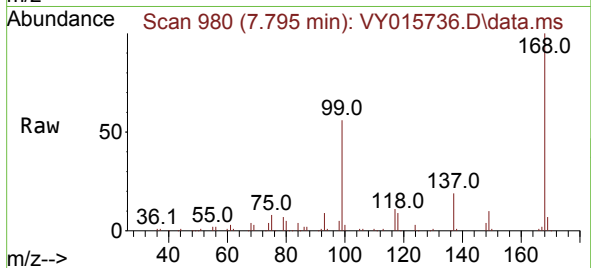
Tgt Ion: 75 Resp: 8979
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.5#
77 0.0 24.4 36.6#



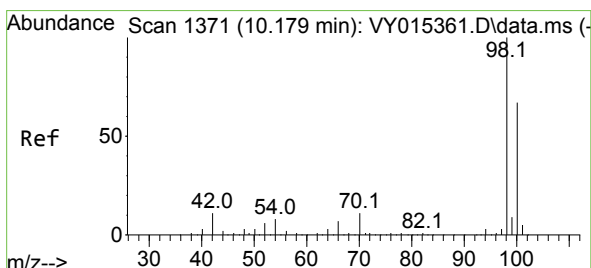
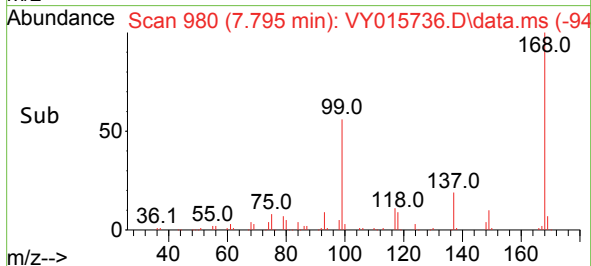
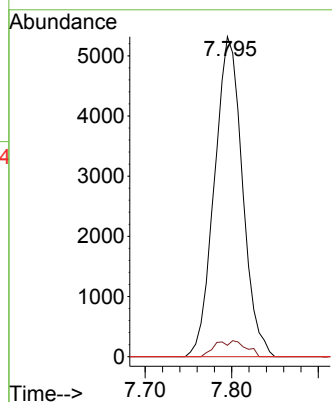


#38
Carbon Tetrachloride
Concen: 6.019 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY015736.D
Acq: 27 Sep 2023 19:51

Instrument :
MSVOA_Y
ClientSampleId :

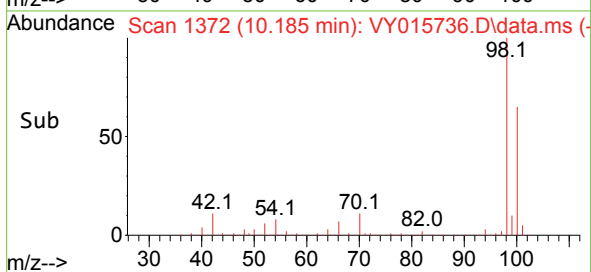
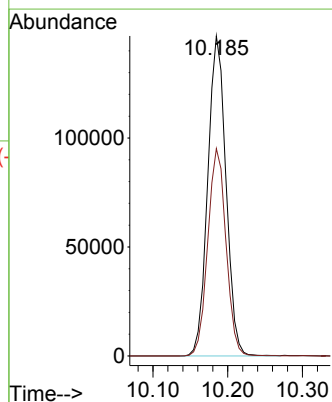
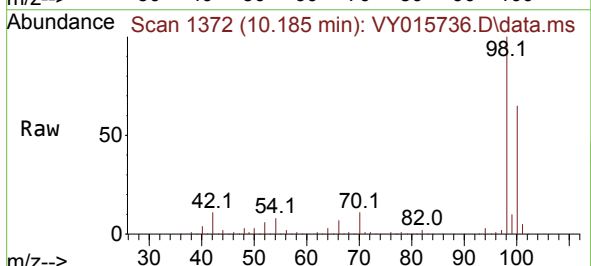


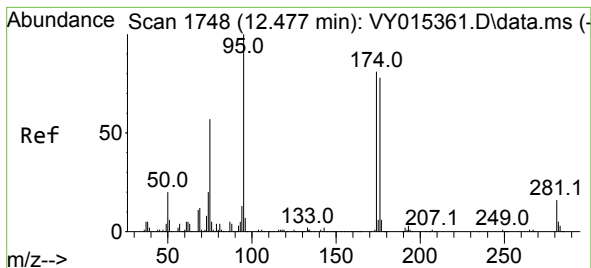
Tgt Ion:117 Resp: 11943
Ion Ratio Lower Upper
117 100
119 3.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 59.288 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015736.D
Acq: 27 Sep 2023 19:51

Tgt Ion: 98 Resp: 248537
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1

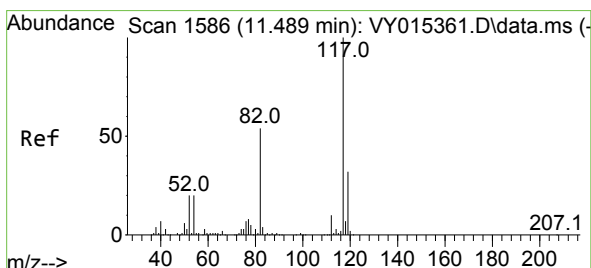
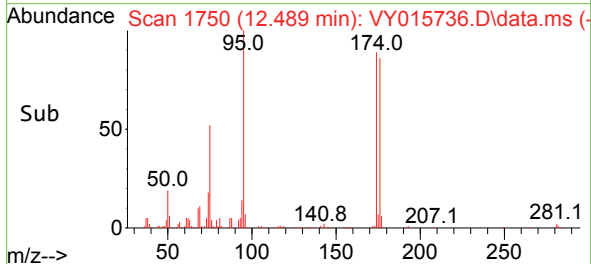
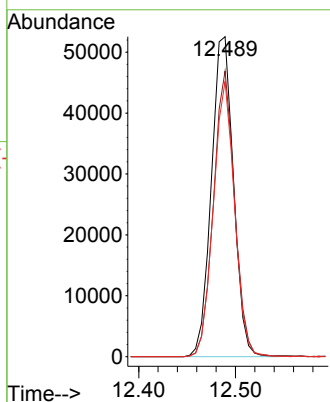
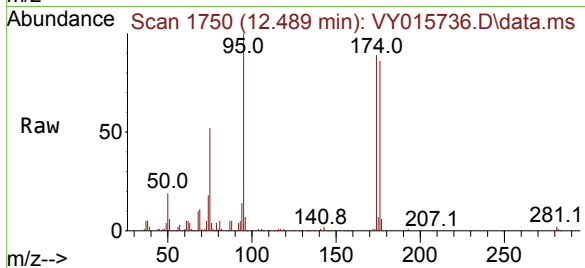




#62
4-Bromofluorobenzene
Concen: 50.723 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY015736.D
Acq: 27 Sep 2023 19:51

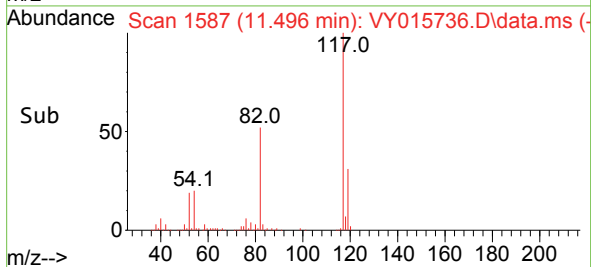
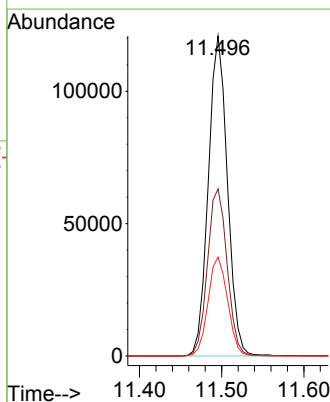
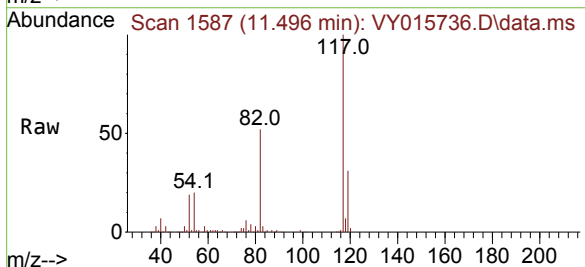
Instrument :
MSVOA_Y
ClientSampleId :

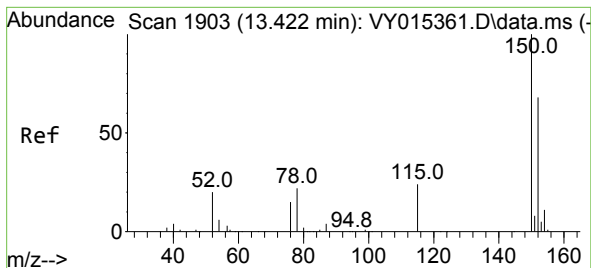
Tgt Ion: 95 Resp: 83444
Ion Ratio Lower Upper
95 100
174 85.5 0.0 178.2
176 82.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY015736.D
Acq: 27 Sep 2023 19:51

Tgt Ion: 117 Resp: 195025
Ion Ratio Lower Upper
117 100
82 52.2 43.4 65.0
119 30.9 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015736.D

Acq: 27 Sep 2023 19:51

Instrument :

MSVOA_Y

ClientSampleId :

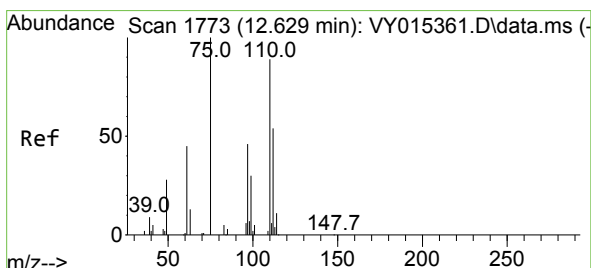
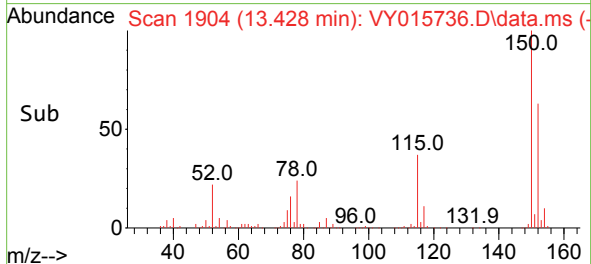
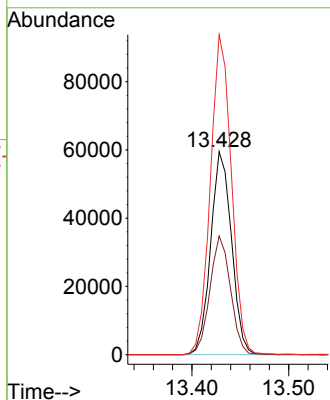
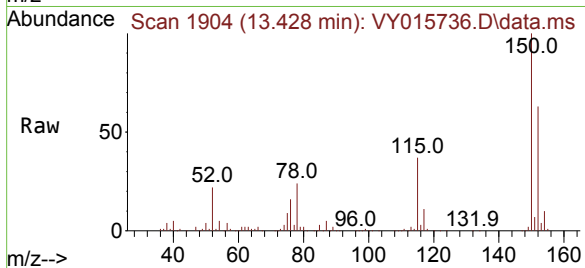
Tgt Ion:152 Resp: 89328

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 158.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 31.403 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015736.D

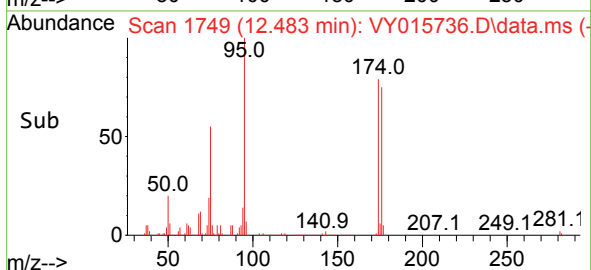
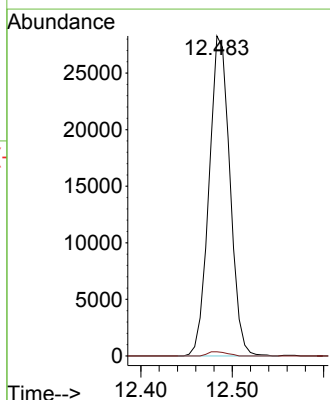
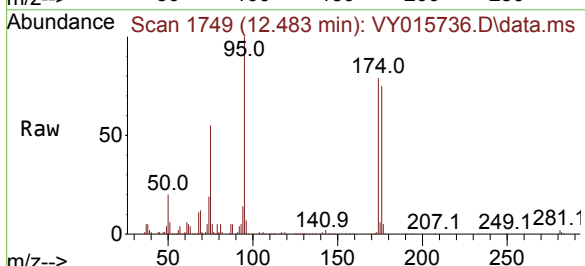
Acq: 27 Sep 2023 19:51

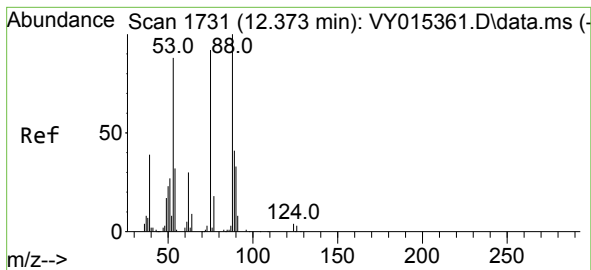
Tgt Ion: 75 Resp: 44752

Ion Ratio Lower Upper

75 100

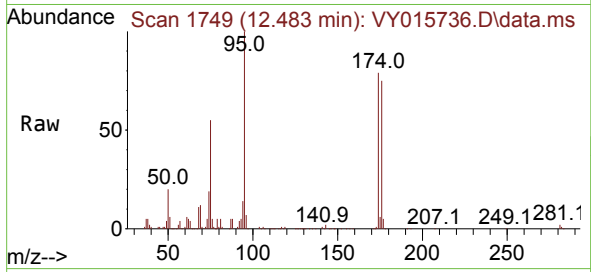
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.717 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY015736.D
 Acq: 27 Sep 2023 19:51

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 44752
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.8 116.8#
 89 0.0 37.4 56.0#

