

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092723\
 Data File : VY015732.D
 Acq On : 27 Sep 2023 18:18
 Operator : SY/MD
 Sample : 04627-13
 Misc : 5.44g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 28 00:48:51 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)

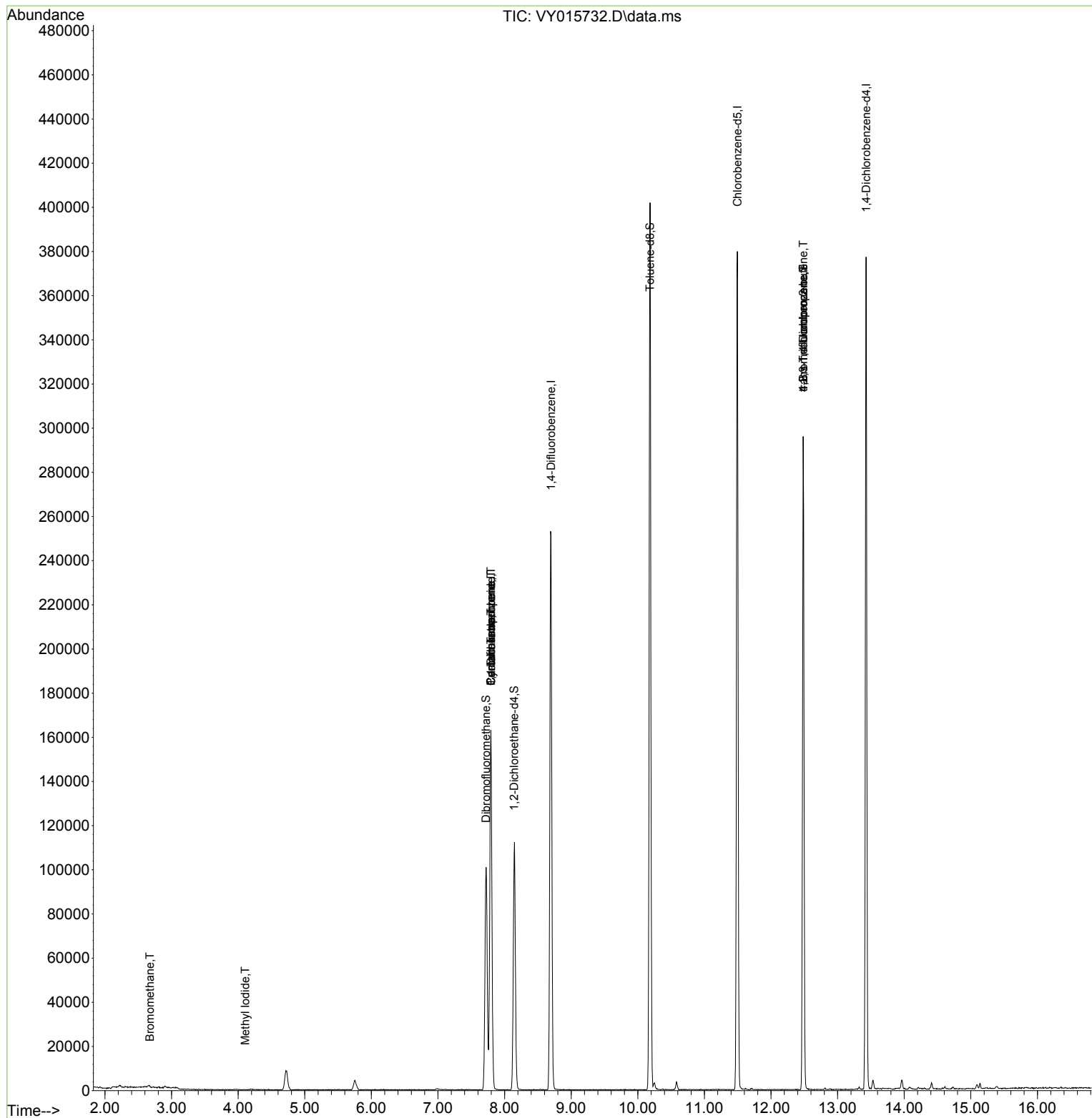
Internal Standards						
1) Pentafluorobenzene	7.795	168	126024	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	222662	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	206928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	84794	61.152	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.300%	
35) Dibromofluoromethane	7.722	113	72158	54.144	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.280%	
50) Toluene-d8	10.185	98	262628	58.120	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.240%	
62) 4-Bromofluorobenzene	12.483	95	86912	49.011	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.020%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.674	94	158	2.683	ug/l	85
10) Methyl Iodide	4.107	142	50	2.761	ug/l #	38
20) Methylene Chloride	4.729	84	6663	Below Cal		94
31) Cyclohexane	7.795	56	2616	1.362	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	9879	5.013	ug/l #	50
38) Carbon Tetrachloride	7.795	117	12713	5.944	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	47010	31.526	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	47010	70.993	ug/l #	11

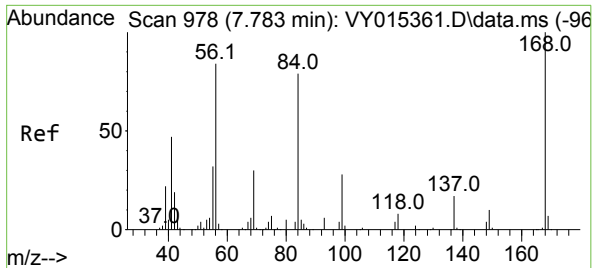
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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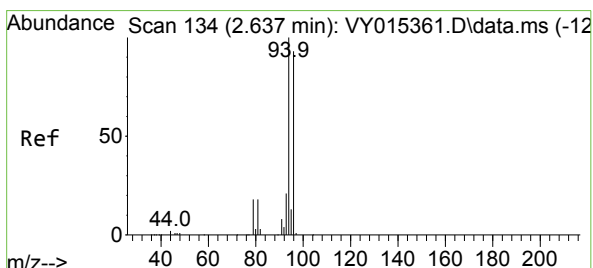
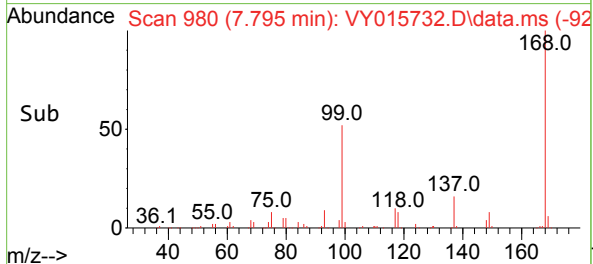
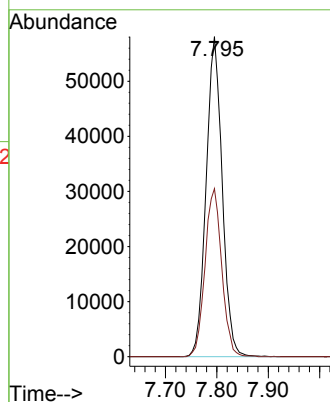
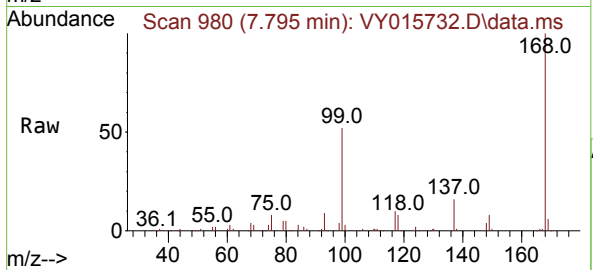




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015732.D
Acq: 27 Sep 2023 18:18

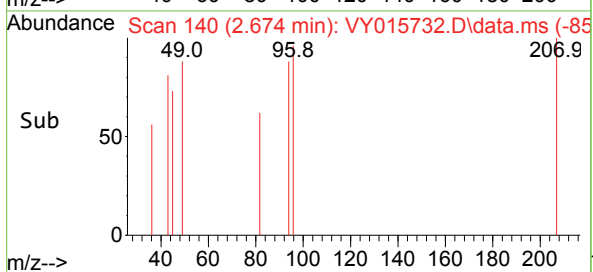
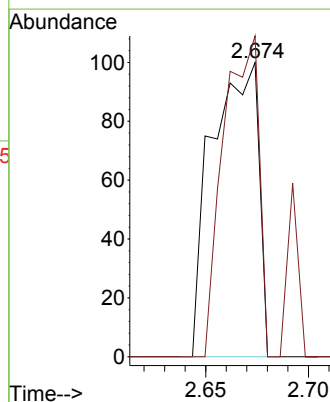
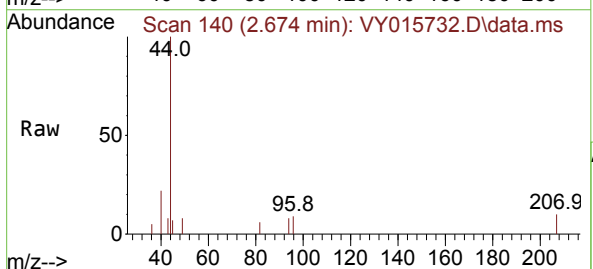
Instrument :
MSVOA_Y
ClientSampleId :

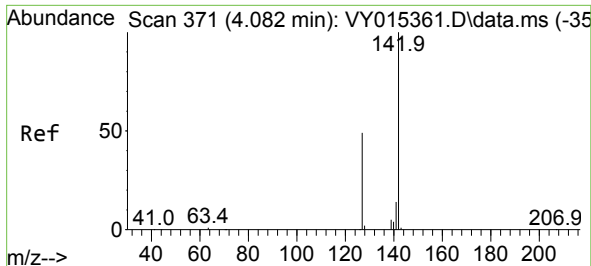
Tgt Ion:168 Resp: 126024
Ion Ratio Lower Upper
168 100
99 52.5 43.4 65.0



#5
Bromomethane
Concen: 2.683 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.037 min
Lab File: VY015732.D
Acq: 27 Sep 2023 18:18

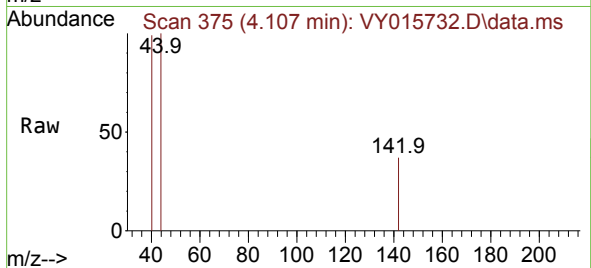
Tgt Ion: 94 Resp: 158
Ion Ratio Lower Upper
94 100
96 109.0 75.8 113.6



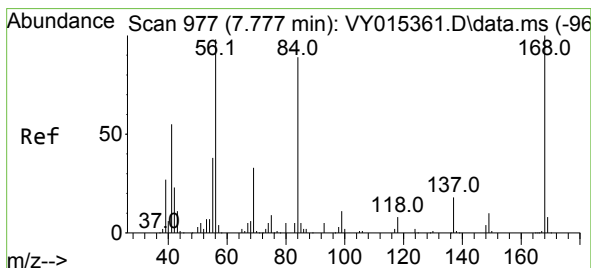
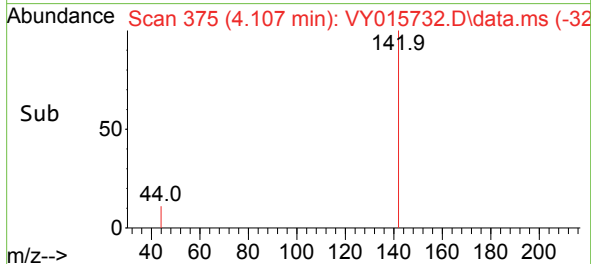
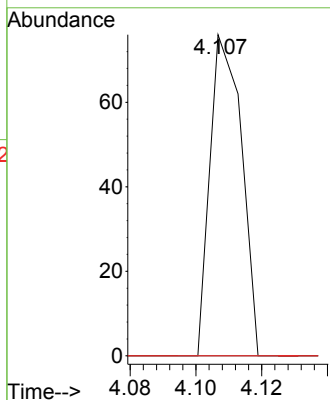


#10
Methyl Iodide
Concen: 2.761 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.025 min
Lab File: VY015732.D
Acq: 27 Sep 2023 18:18

Instrument :
MSVOA_Y
ClientSampleId :

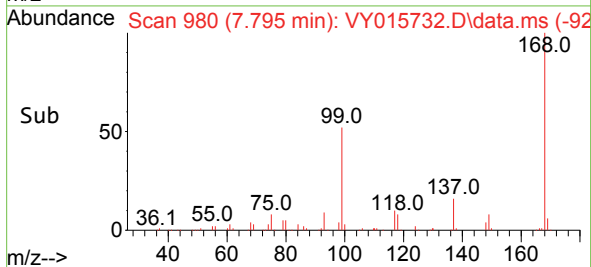
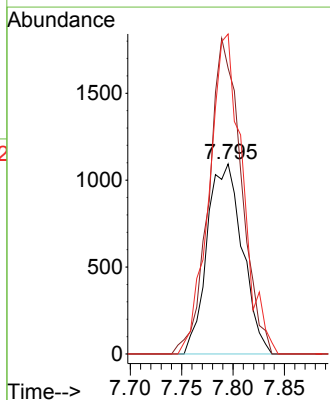
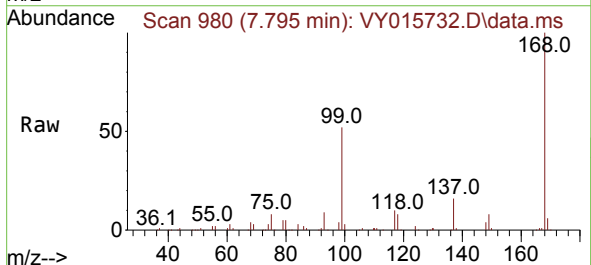


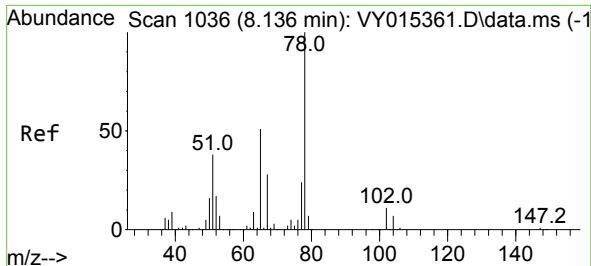
Tgt Ion:142 Resp: 50
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#31
Cyclohexane
Concen: 1.362 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY015732.D
Acq: 27 Sep 2023 18:18

Tgt Ion: 56 Resp: 2616
Ion Ratio Lower Upper
56 100
69 150.3 27.8 41.6#
84 168.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 61.152 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY015732.D

Acq: 27 Sep 2023 18:18

Instrument :

MSVOA_Y

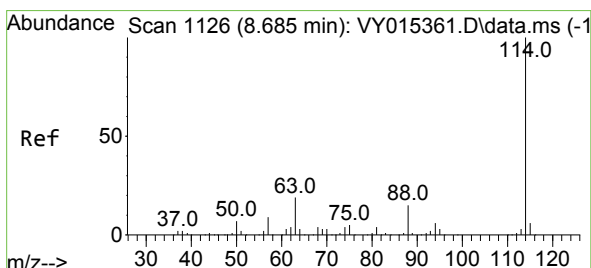
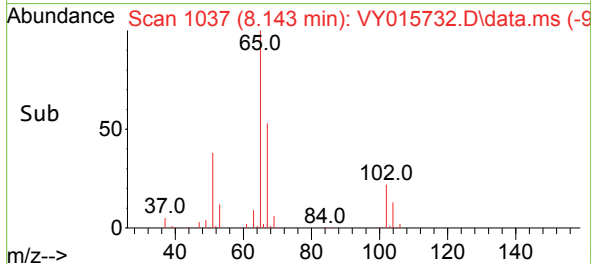
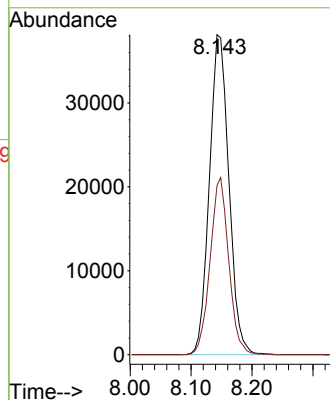
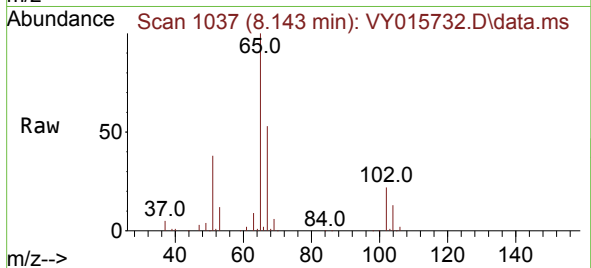
ClientSampleId :

Tgt Ion: 65 Resp: 84794

Ion Ratio Lower Upper

65 100

67 52.8 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: VY015732.D

Acq: 27 Sep 2023 18:18

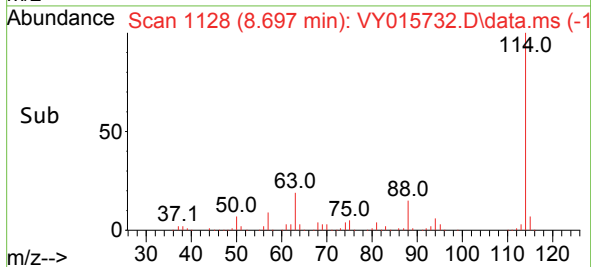
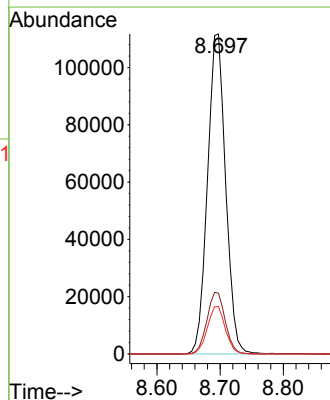
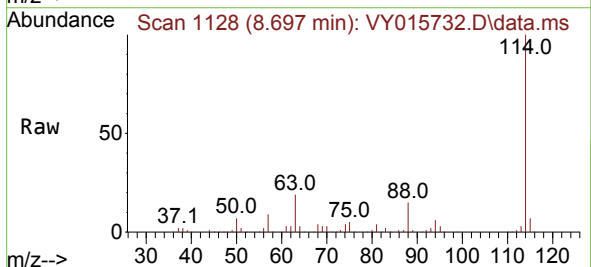
Tgt Ion: 114 Resp: 222662

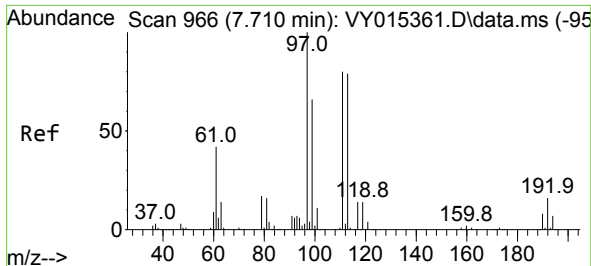
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

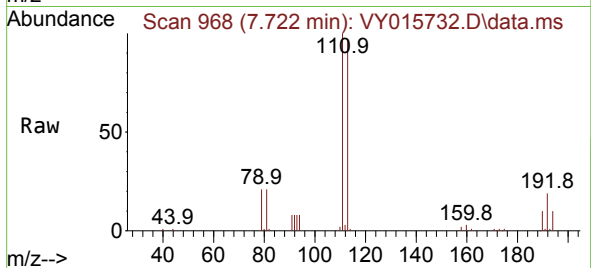
88 14.8 0.0 30.6



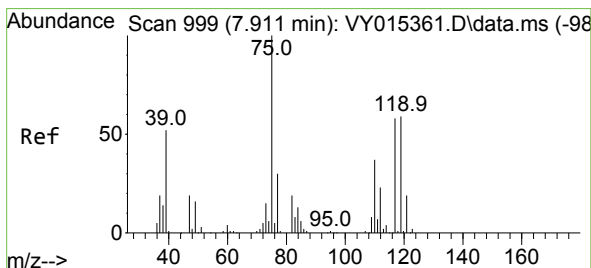
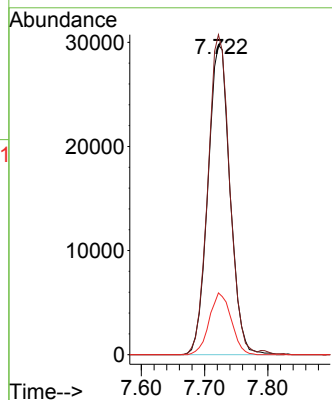
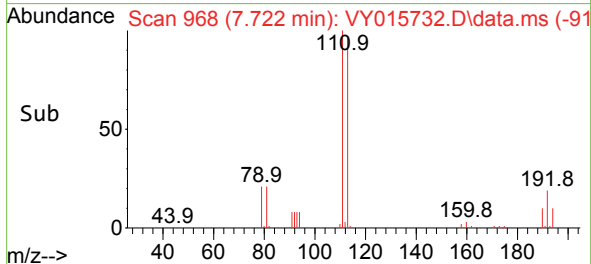


#35
Dibromofluoromethane
Concen: 54.144 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015732.D
Acq: 27 Sep 2023 18:18

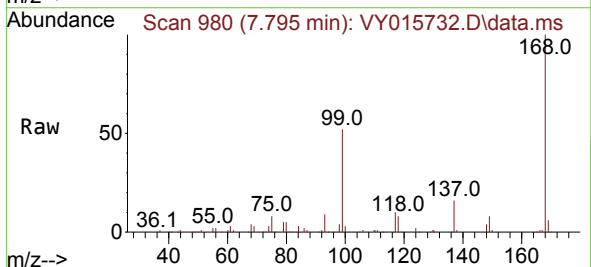
Instrument :
MSVOA_Y
ClientSampleId :



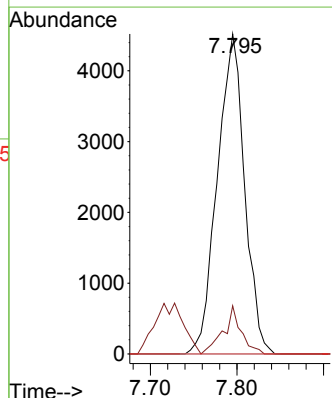
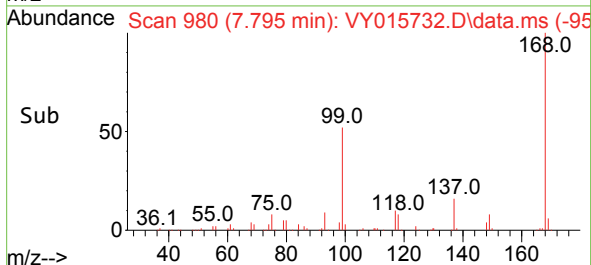
Tgt Ion:113 Resp: 72158
Ion Ratio Lower Upper
113 100
111 101.8 81.3 121.9
192 19.8 16.9 25.3

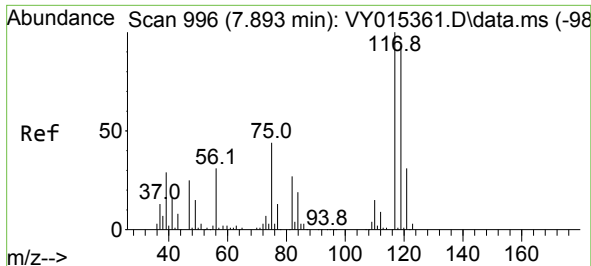


#36
1,1-Dichloropropene
Concen: 5.013 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY015732.D
Acq: 27 Sep 2023 18:18



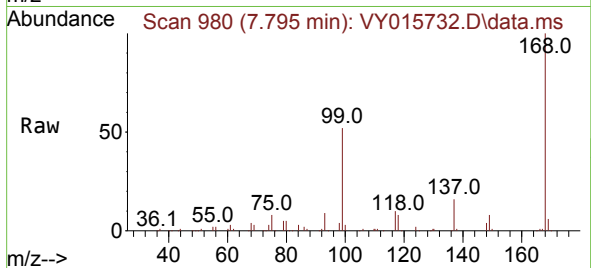
Tgt Ion: 75 Resp: 9879
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#



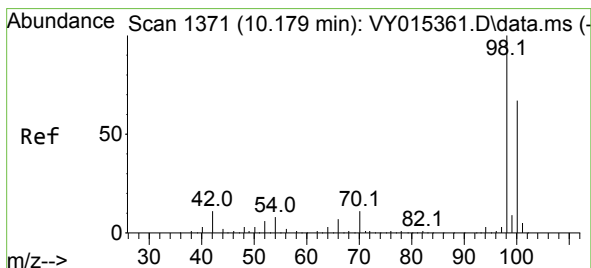
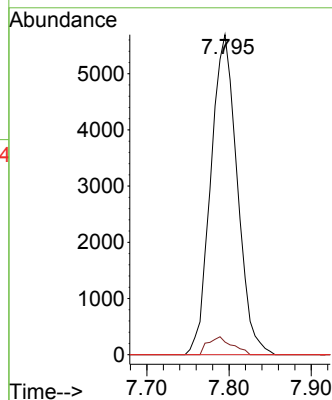
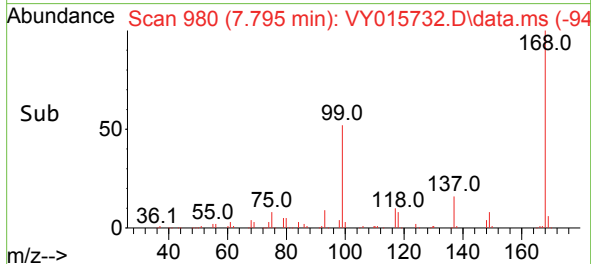


#38
Carbon Tetrachloride
Concen: 5.944 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY015732.D
Acq: 27 Sep 2023 18:18

Instrument :
MSVOA_Y
ClientSampleId :

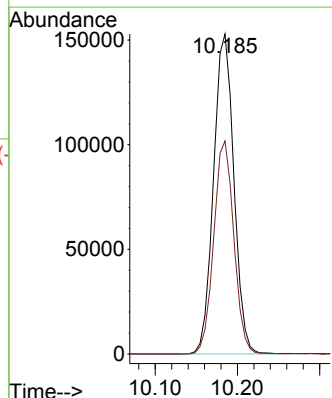
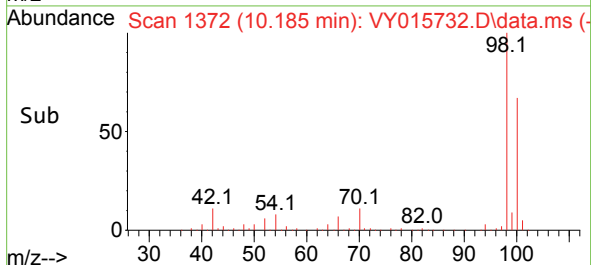
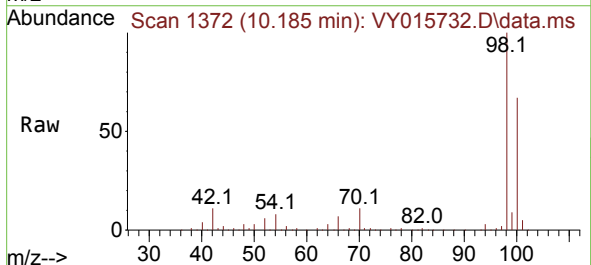


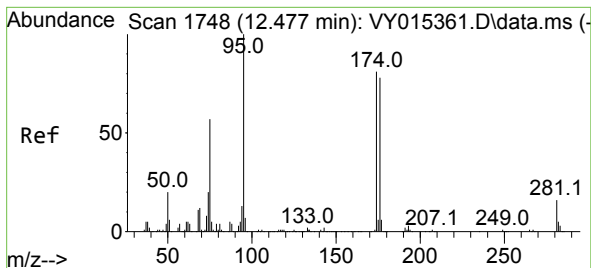
Tgt Ion:117 Resp: 12713
Ion Ratio Lower Upper
117 100
119 3.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 58.120 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015732.D
Acq: 27 Sep 2023 18:18

Tgt Ion: 98 Resp: 262628
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1

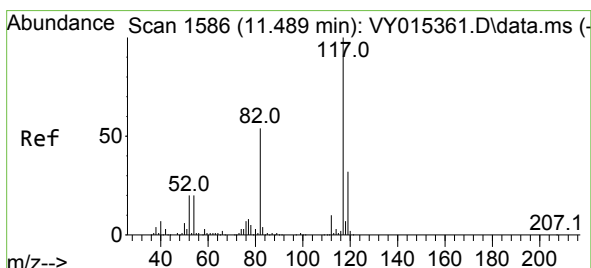
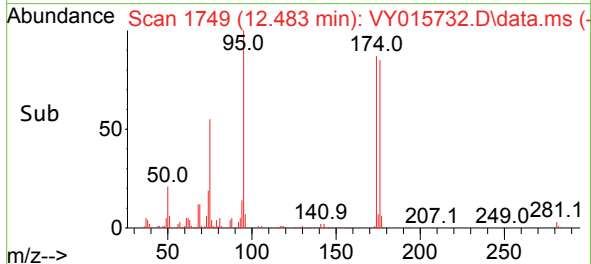
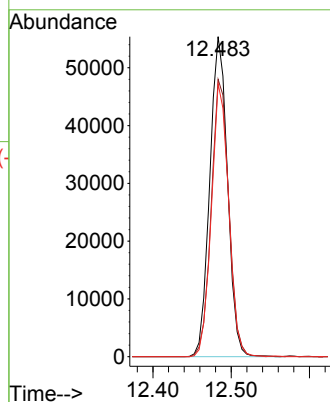
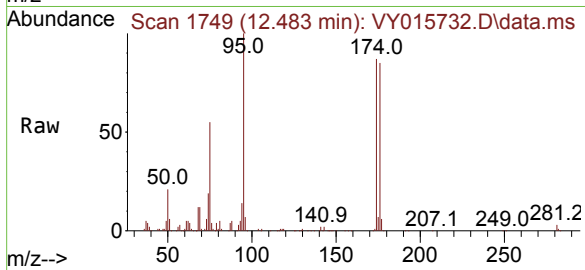




#62
4-Bromofluorobenzene
Concen: 49.011 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015732.D
Acq: 27 Sep 2023 18:18

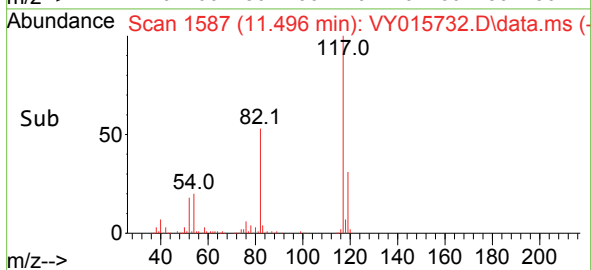
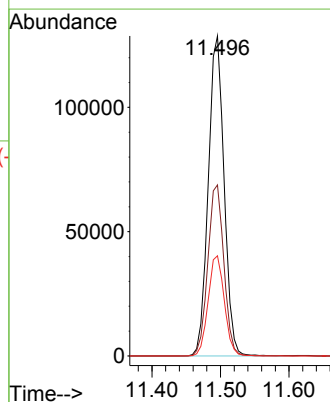
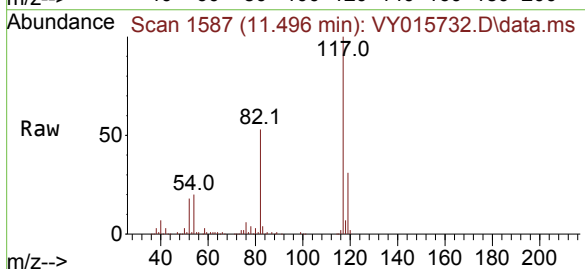
Instrument :
MSVOA_Y
ClientSampleId :

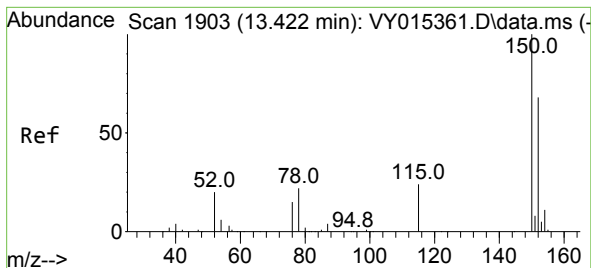
Tgt Ion: 95 Resp: 86912
Ion Ratio Lower Upper
95 100
174 86.2 0.0 178.2
176 83.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY015732.D
Acq: 27 Sep 2023 18:18

Tgt Ion: 117 Resp: 206928
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 31.3 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: VY015732.D

Acq: 27 Sep 2023 18:18

Instrument :

MSVOA_Y

ClientSampleId :

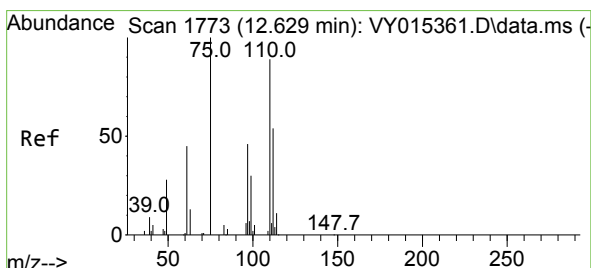
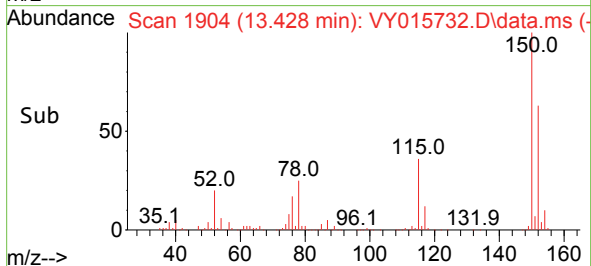
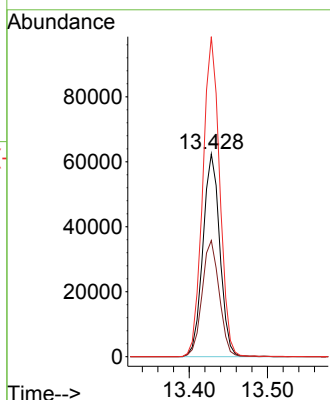
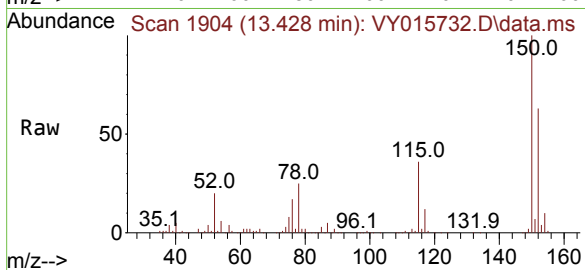
Tgt Ion:152 Resp: 93470

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 157.9 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 31.526 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015732.D

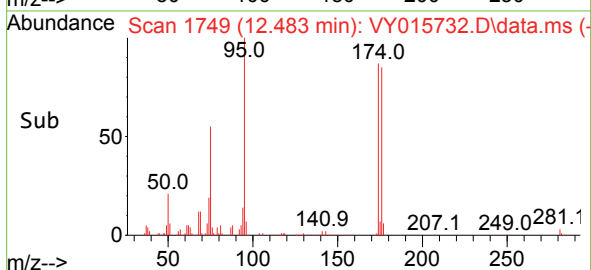
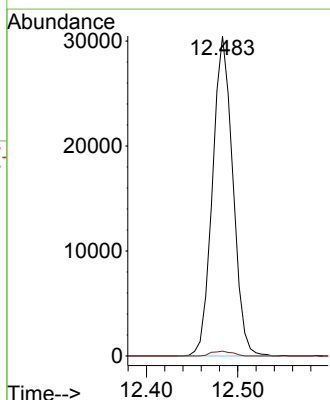
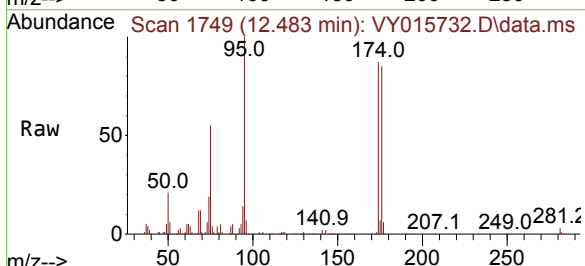
Acq: 27 Sep 2023 18:18

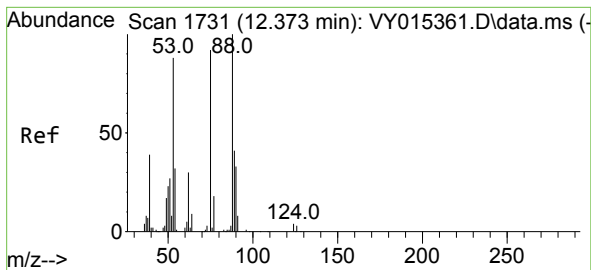
Tgt Ion: 75 Resp: 47010

Ion Ratio Lower Upper

75 100

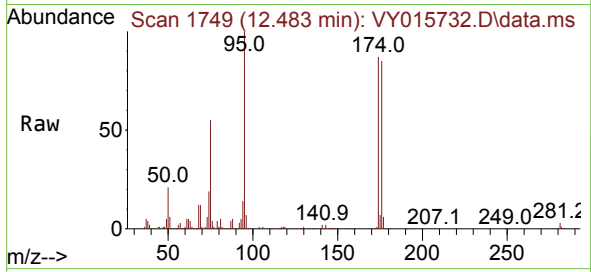
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.993 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY015732.D
 Acq: 27 Sep 2023 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :



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

