

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092823\
 Data File : VY015747.D
 Acq On : 28 Sep 2023 16:44
 Operator : SY/MD
 Sample : 04627-07
 Misc : 3.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 29 01:26:22 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)

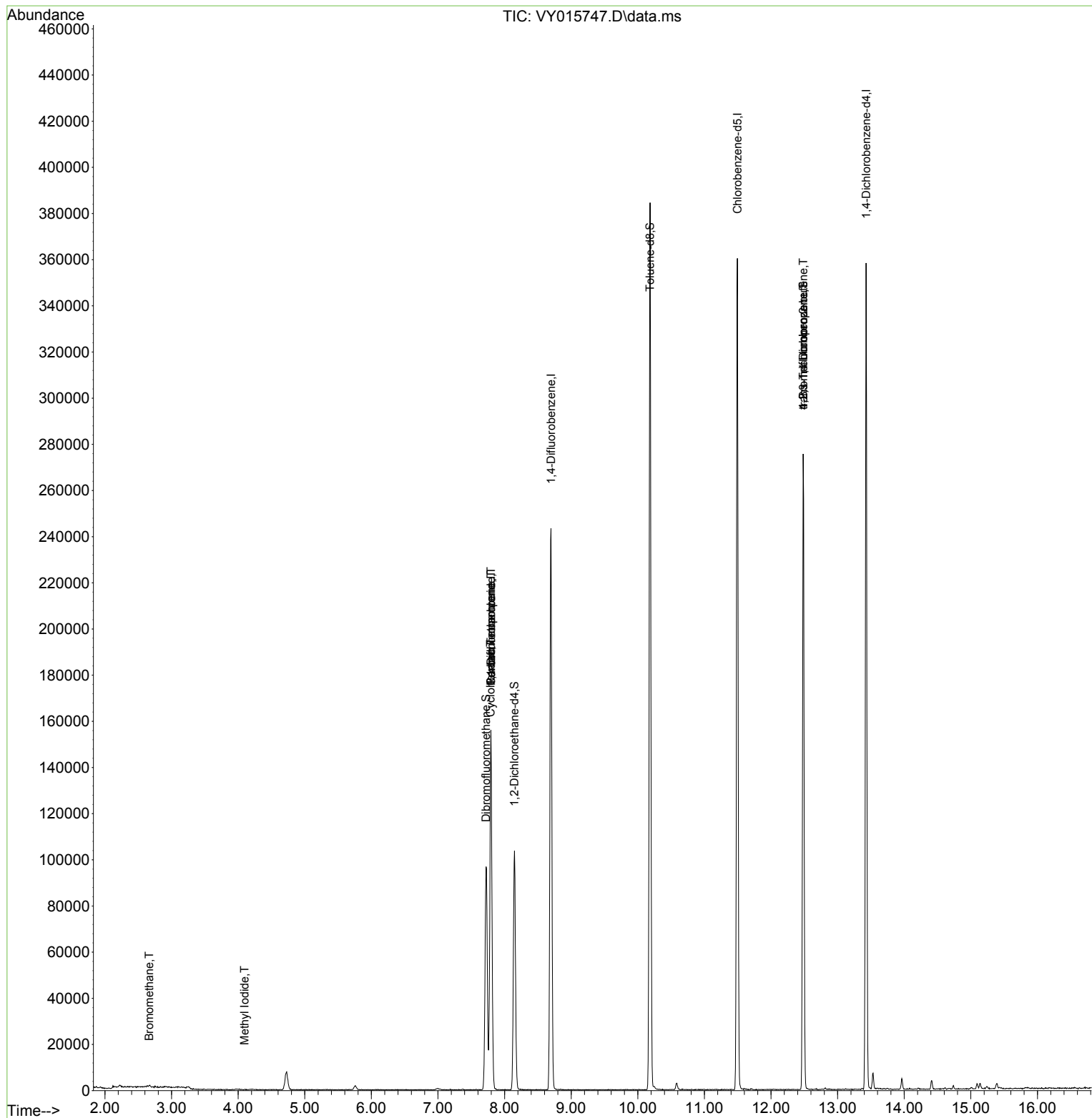
Internal Standards						
1) Pentafluorobenzene	7.795	168	116879	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	209093	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	195579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	80481	62.583	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.160%	
35) Dibromofluoromethane	7.722	113	69910	55.861	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.720%	
50) Toluene-d8	10.185	98	248607	58.587	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.180%	
62) 4-Bromofluorobenzene	12.483	95	81530	48.960	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.920%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	300	2.815	ug/l	85
10) Methyl Iodide	4.095	142	184	2.856	ug/l #	38
20) Methylene Chloride	4.722	84	5948	Below Cal		87
31) Cyclohexane	7.789	56	2468	1.385	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	9368	5.063	ug/l #	50
38) Carbon Tetrachloride	7.795	117	11769	5.859	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	43779	31.091	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43779	70.015	ug/l #	10

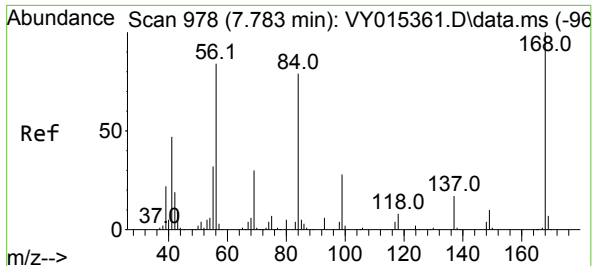
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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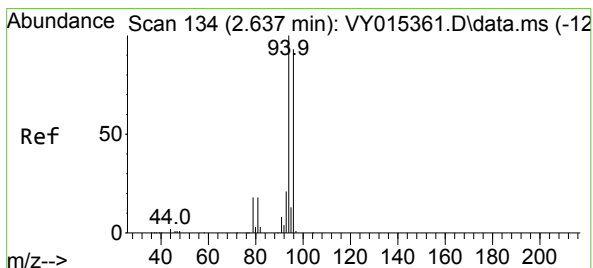
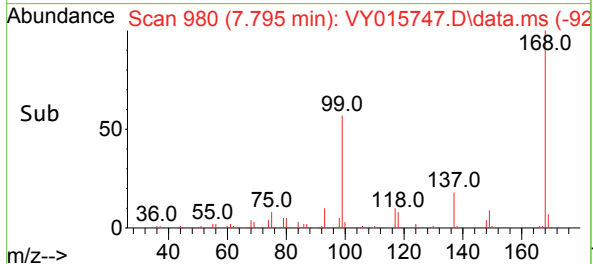
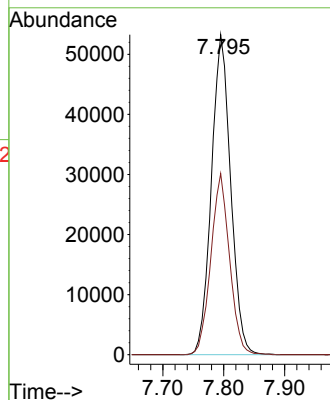
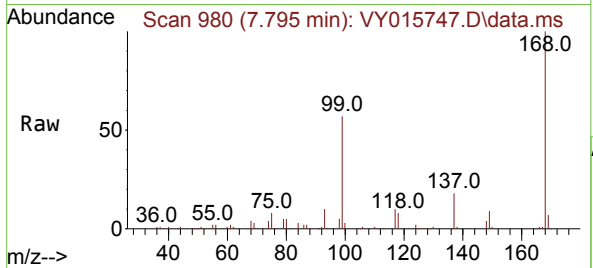




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015747.D
Acq: 28 Sep 2023 16:44

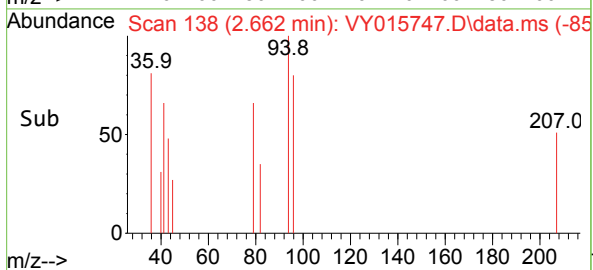
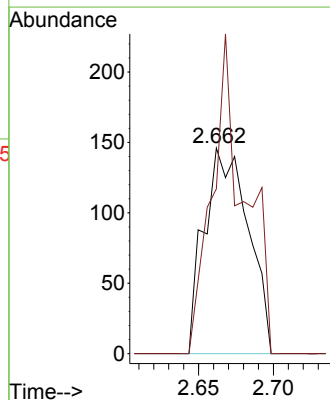
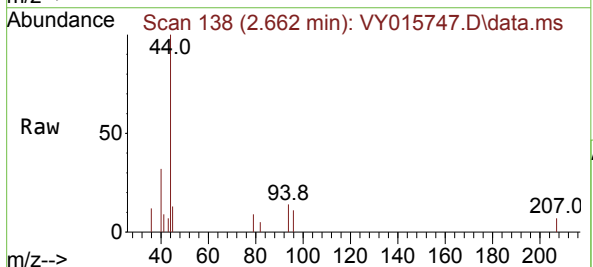
Instrument :
MSVOA_Y
ClientSampleId :

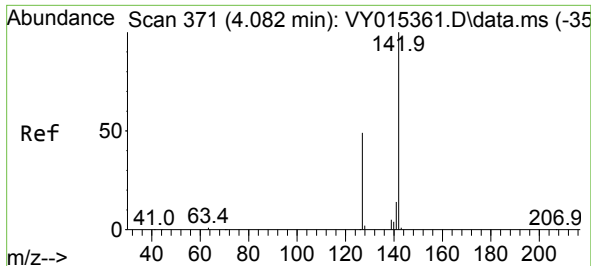
Tgt Ion:168 Resp: 116879
Ion Ratio Lower Upper
168 100
99 56.6 43.4 65.0



#5
Bromomethane
Concen: 2.815 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015747.D
Acq: 28 Sep 2023 16:44

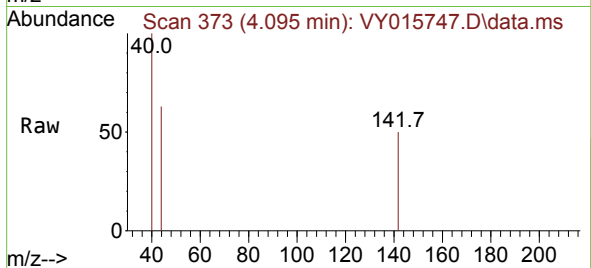
Tgt Ion: 94 Resp: 300
Ion Ratio Lower Upper
94 100
96 80.1 75.8 113.6



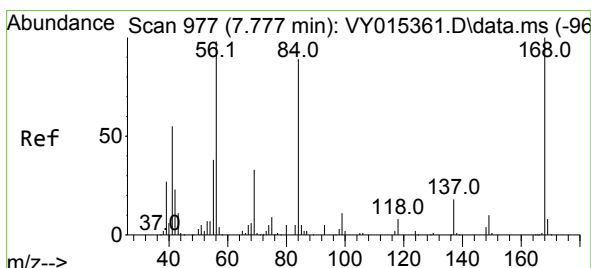
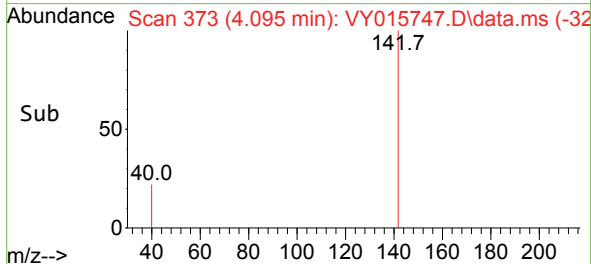
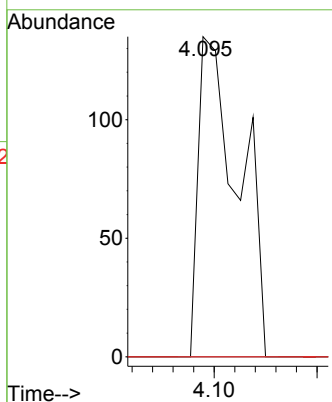


#10
Methyl Iodide
Concen: 2.856 ug/l
RT: 4.095 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY015747.D
Acq: 28 Sep 2023 16:44

Instrument :
MSVOA_Y
ClientSampleId :

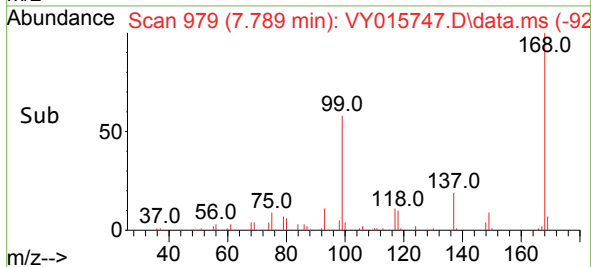
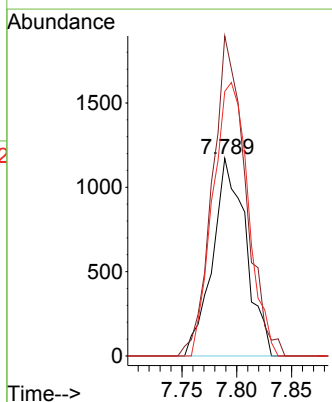
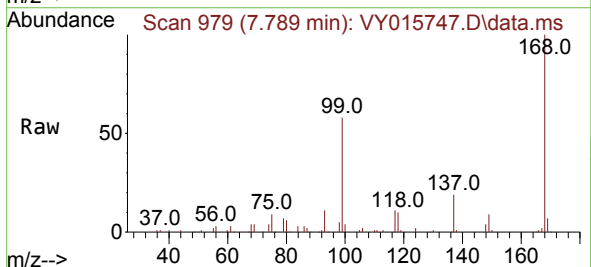


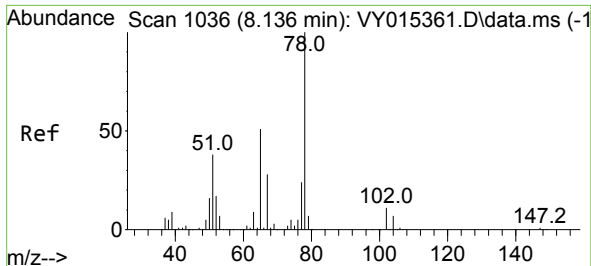
Tgt Ion:142 Resp: 184
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#31
Cyclohexane
Concen: 1.385 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY015747.D
Acq: 28 Sep 2023 16:44

Tgt Ion: 56 Resp: 2468
Ion Ratio Lower Upper
56 100
69 162.0 27.8 41.6#
84 133.9 66.4 99.6#

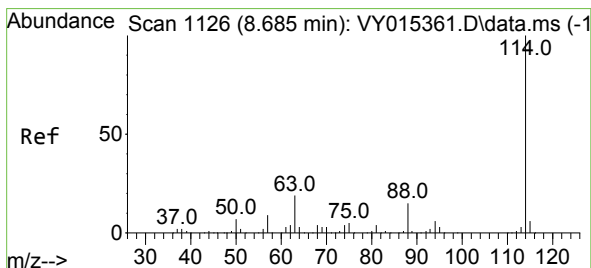
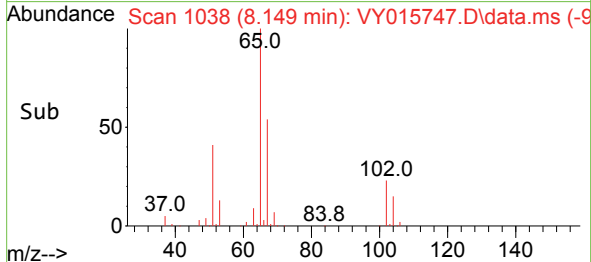
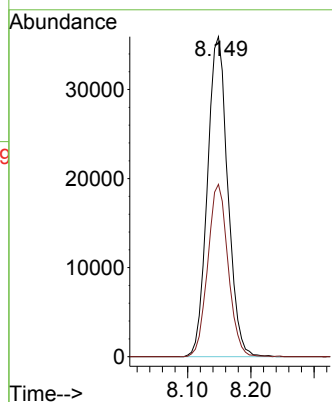
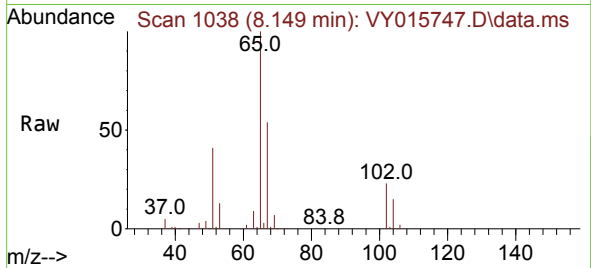




#33
 1,2-Dichloroethane-d4
 Concen: 62.583 ug/l
 RT: 8.149 min Scan# 110
 Delta R.T. 0.013 min
 Lab File: VY015747.D
 Acq: 28 Sep 2023 16:44

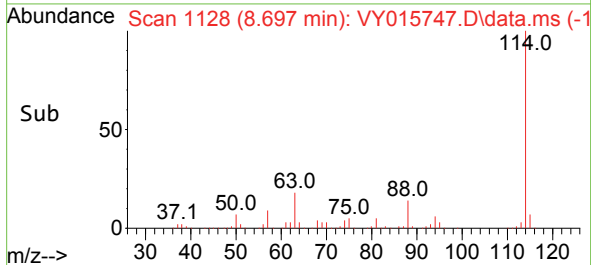
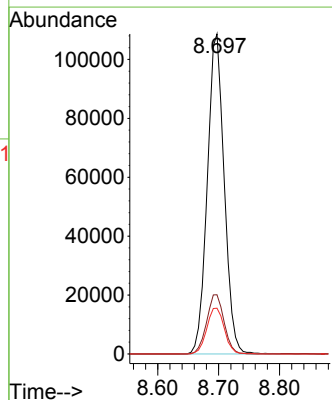
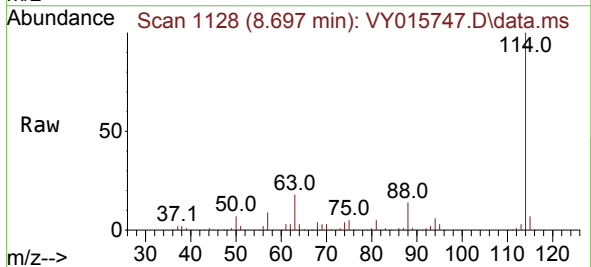
Instrument :
 MSVOA_Y
 ClientSampleId :

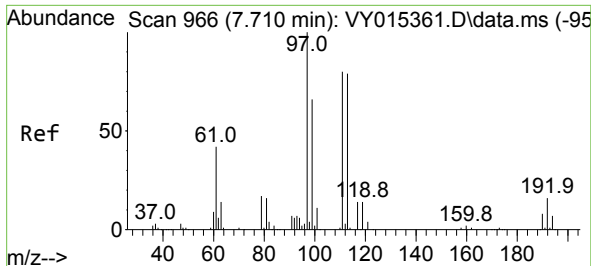
Tgt Ion: 65 Resp: 80481
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.012 min
 Lab File: VY015747.D
 Acq: 28 Sep 2023 16:44

Tgt Ion: 114 Resp: 209093
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 42.4
 88 14.3 0.0 30.6

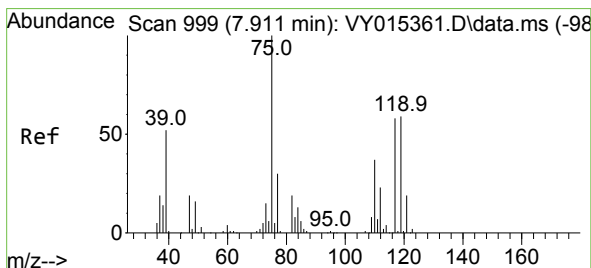
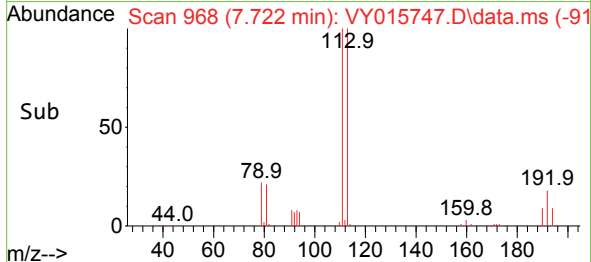
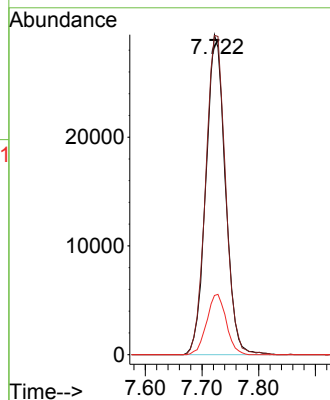
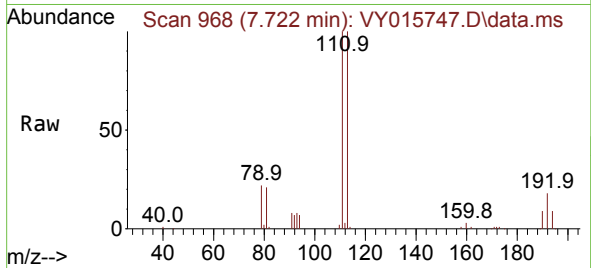




#35
Dibromofluoromethane
Concen: 55.861 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY015747.D
Acq: 28 Sep 2023 16:44

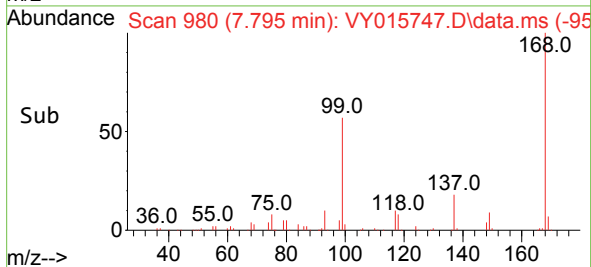
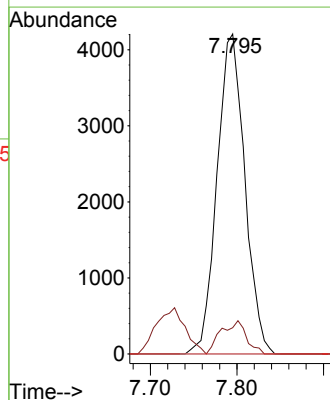
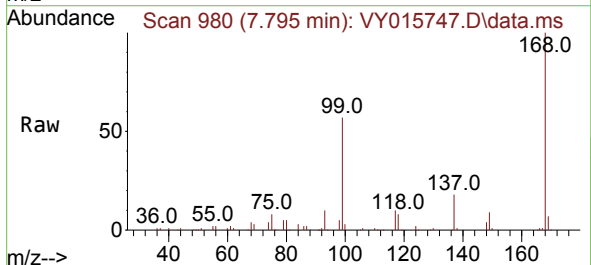
Instrument :
MSVOA_Y
ClientSampleId :

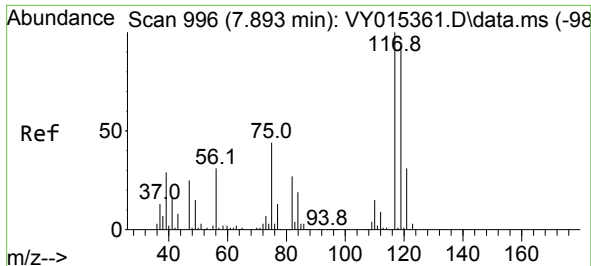
Tgt Ion:113 Resp: 69910
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 19.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.063 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY015747.D
Acq: 28 Sep 2023 16:44

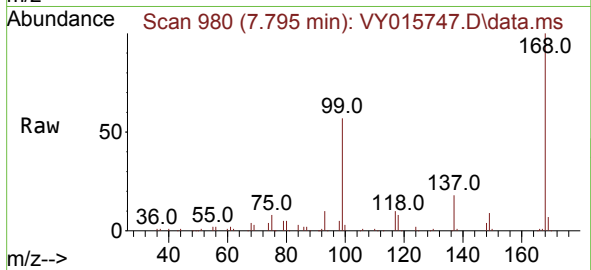
Tgt Ion: 75 Resp: 9368
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



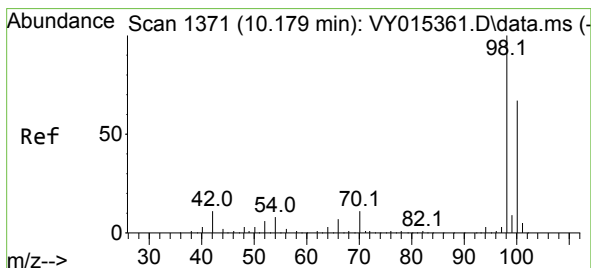
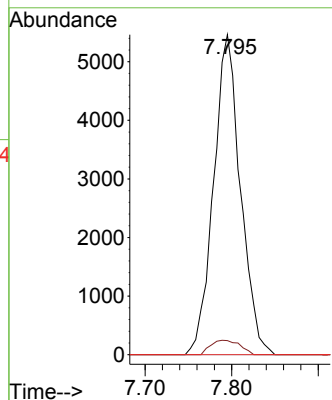
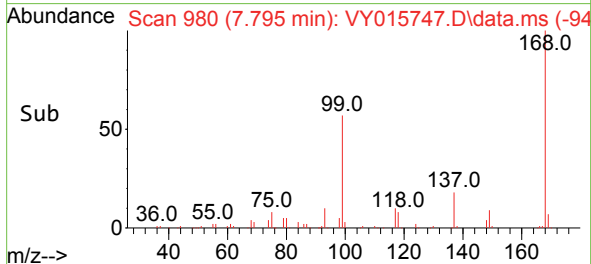


#38
Carbon Tetrachloride
Concen: 5.859 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY015747.D
Acq: 28 Sep 2023 16:44

Instrument :
MSVOA_Y
ClientSampleId :

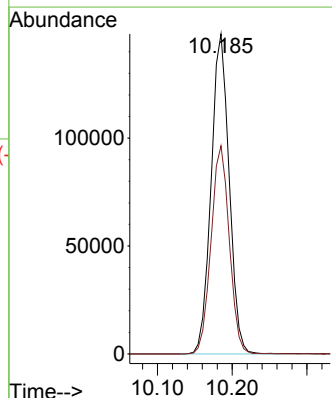
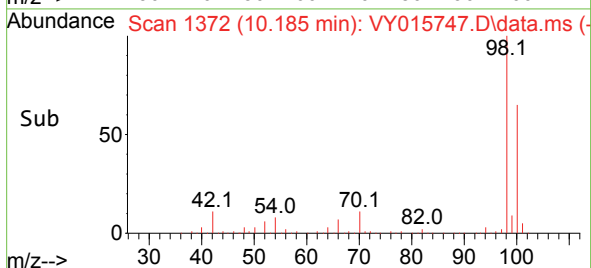
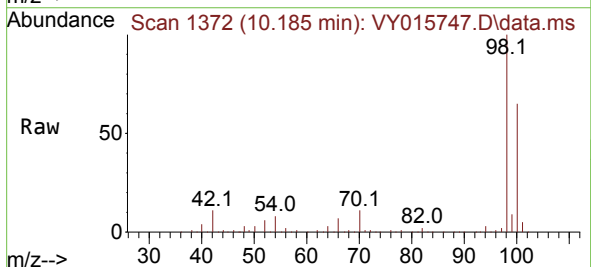


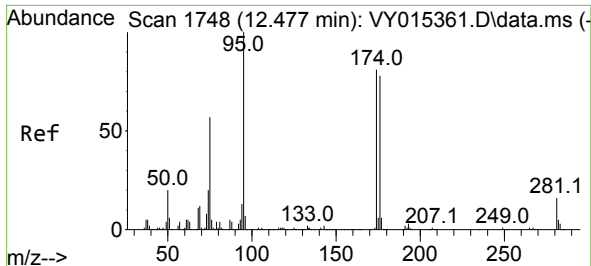
Tgt Ion:117 Resp: 11769
Ion Ratio Lower Upper
117 100
119 4.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 58.587 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015747.D
Acq: 28 Sep 2023 16:44

Tgt Ion: 98 Resp: 248607
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1

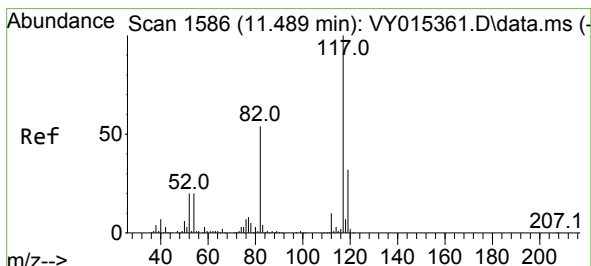
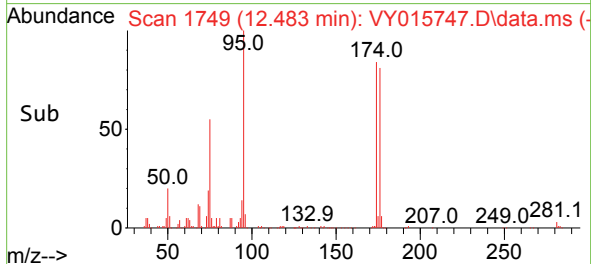
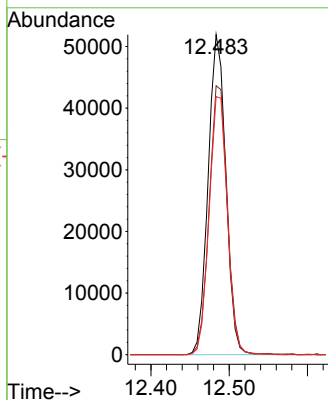
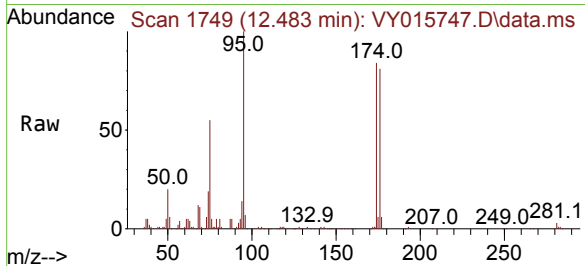




#62
4-Bromofluorobenzene
Concen: 48.960 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015747.D
Acq: 28 Sep 2023 16:44

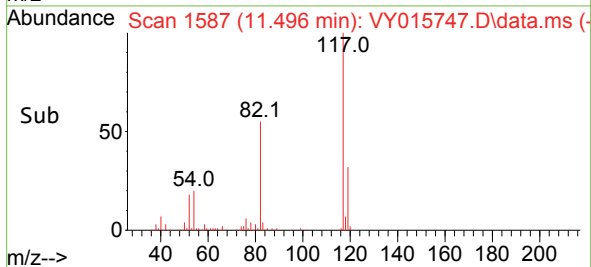
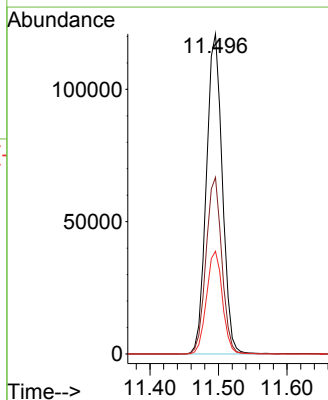
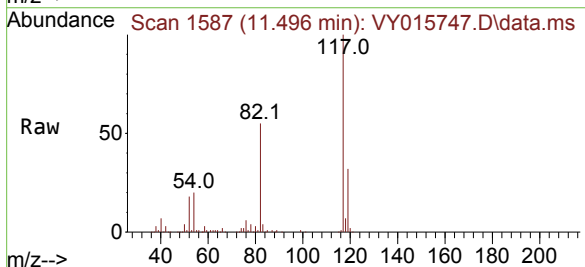
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MSVOA_Y
ClientSampleId :

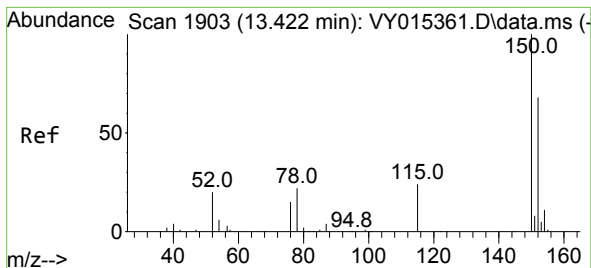
Tgt Ion: 95 Resp: 81530
Ion Ratio Lower Upper
95 100
174 86.5 0.0 178.2
176 82.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY015747.D
Acq: 28 Sep 2023 16:44

Tgt Ion: 117 Resp: 195579
Ion Ratio Lower Upper
117 100
82 55.2 43.4 65.0
119 32.1 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: VY015747.D

Acq: 28 Sep 2023 16:44

Instrument :

MSVOA_Y

ClientSampleId :

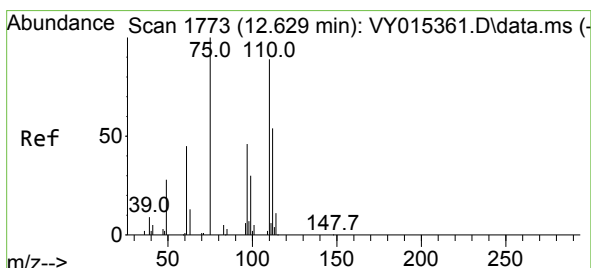
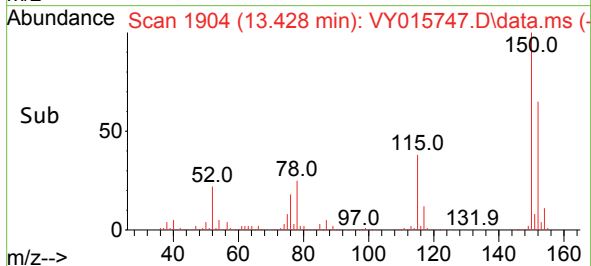
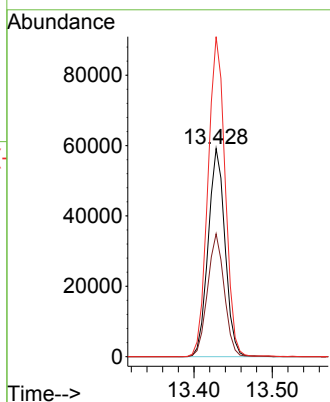
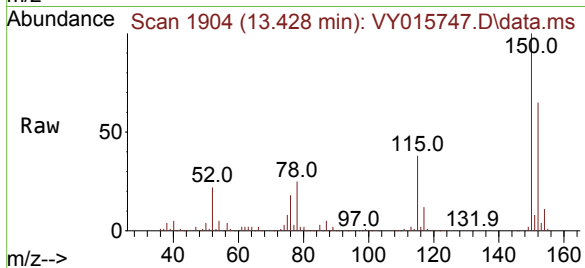
Tgt Ion:152 Resp: 88262

Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 156.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 31.091 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015747.D

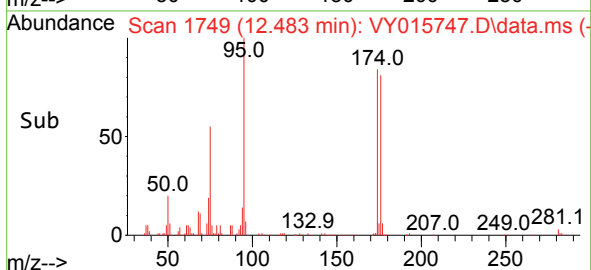
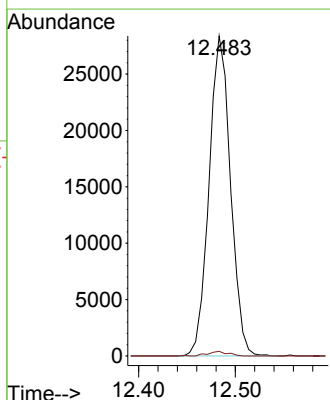
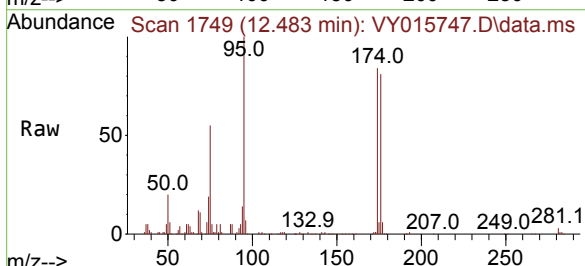
Acq: 28 Sep 2023 16:44

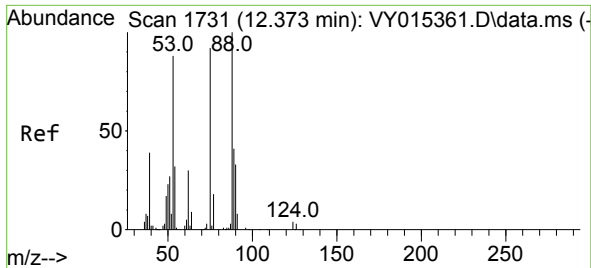
Tgt Ion: 75 Resp: 43779

Ion Ratio Lower Upper

75 100

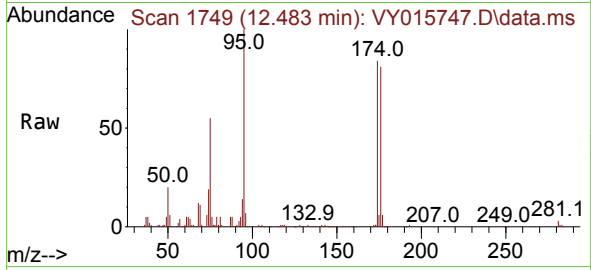
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.015 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY015747.D
 Acq: 28 Sep 2023 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 43779
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

