

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015633.D
 Acq On : 18 Sep 2023 22:28
 Operator : SY/MD
 Sample : 04453-09
 Misc : 5.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 02:09:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

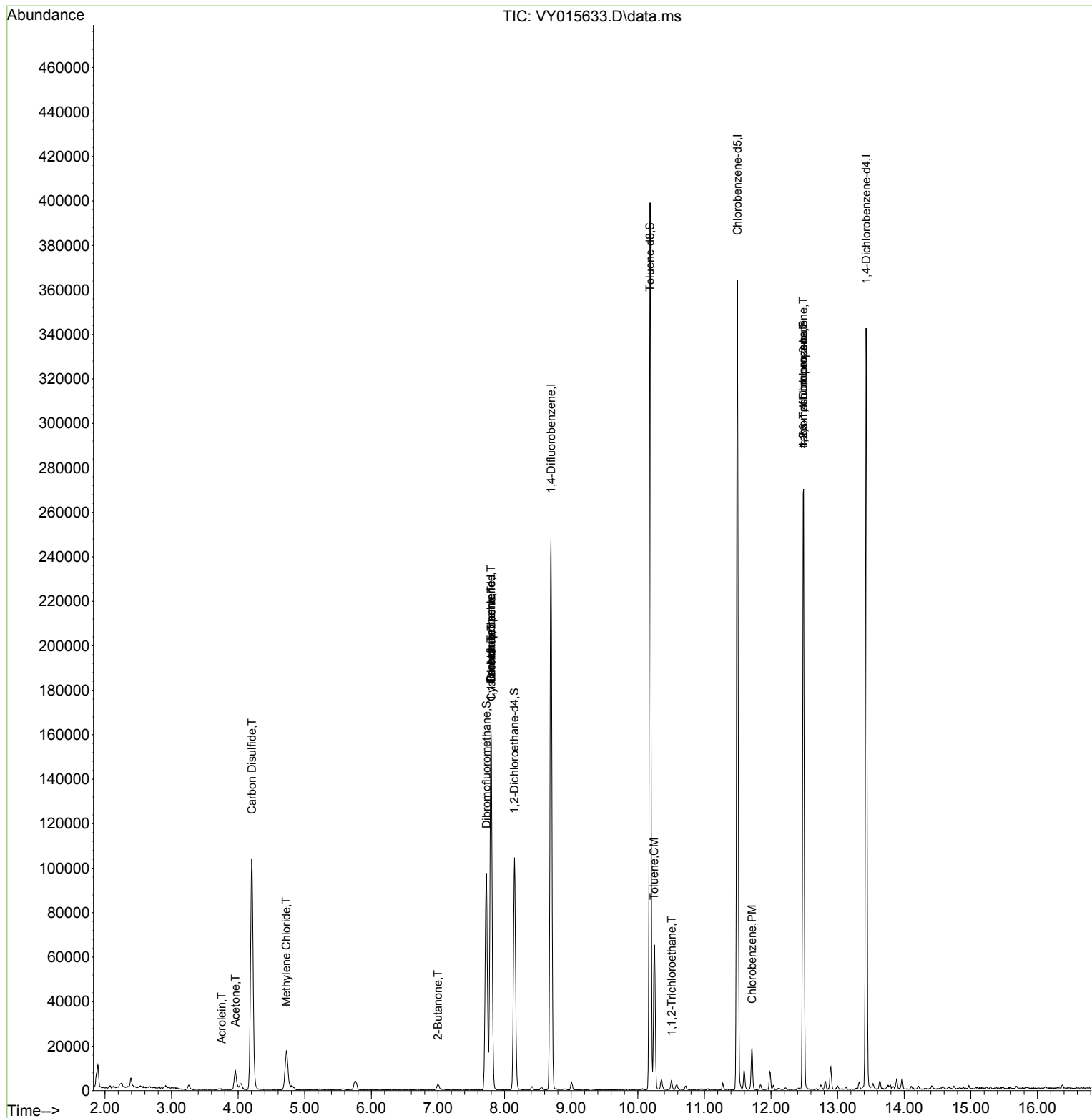
Internal Standards						
1) Pentafluorobenzene	7.795	168	127047	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	215142	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	194297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	80898	59.400	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.800%	
35) Dibromofluoromethane	7.728	113	68975	55.662	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.320%	
50) Toluene-d8	10.185	98	254500	56.713	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.420%	
62) 4-Bromofluorobenzene	12.483	95	83296	50.000	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.000%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	106	Below Cal	#	89
13) Acrolein	3.753	56	256	12.291	ug/l #	47
16) Acetone	3.960	43	13840	24.346	ug/l	99
17) Carbon Disulfide	4.204	76	212594	56.307	ug/l	100
20) Methylene Chloride	4.723	84	13131	1.292	ug/l	88
25) 2-Butanone	6.997	43	4234	5.251	ug/l #	90
31) Cyclohexane	7.801	56	2936	1.214	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	9751	4.481	ug/l #	52
38) Carbon Tetrachloride	7.795	117	12843	5.715	ug/l #	16
52) Toluene	10.246	92	28487	7.322	ug/l	97
55) 1,1,2-Trichloroethane	10.508	97	3268	2.386	ug/l #	18
65) Chlorobenzene	11.715	112	5412	1.293	ug/l #	50
76) 1,2,3-Trichloropropane	12.483	75	44065	38.022	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44065	83.872	ug/l #	11

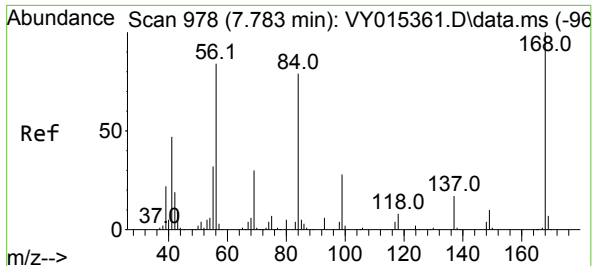
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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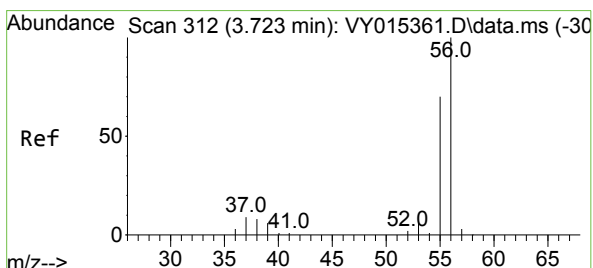
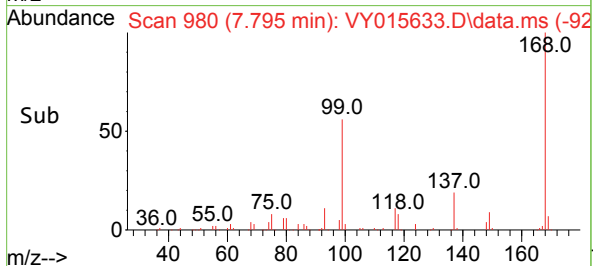
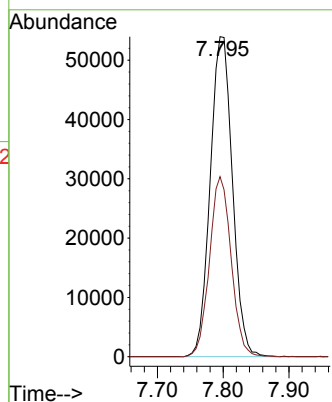
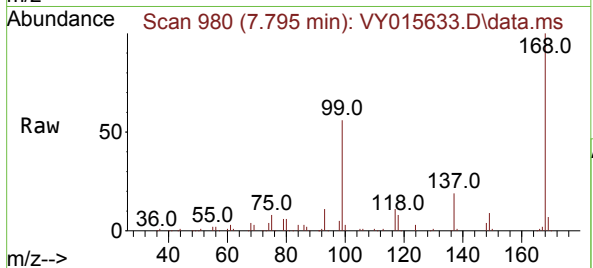




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015633.D
Acq: 18 Sep 2023 22:28

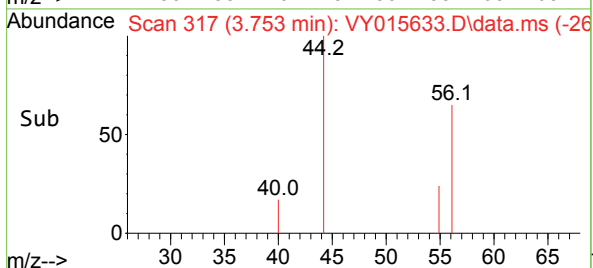
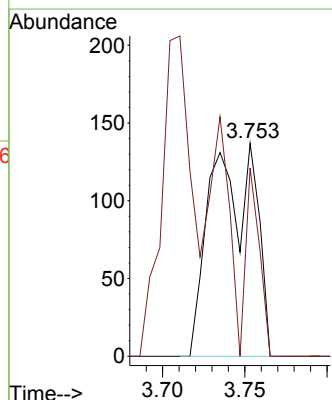
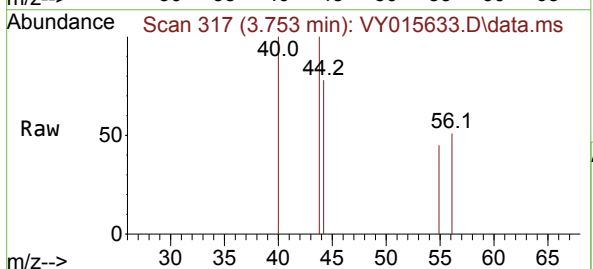
Instrument :
MSVOA_Y
ClientSampleId :

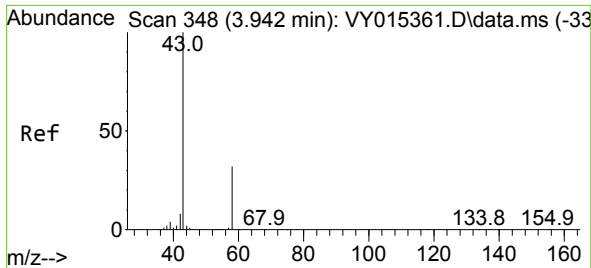
Tgt Ion:168 Resp: 127047
Ion Ratio Lower Upper
168 100
99 56.3 43.4 65.0



#13
Acrolein
Concen: 12.291 ug/l
RT: 3.753 min Scan# 317
Delta R.T. 0.030 min
Lab File: VY015633.D
Acq: 18 Sep 2023 22:28

Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
55 27.0 57.0 85.4#





#16

Acetone

Concen: 24.346 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.018 min

Lab File: VY015633.D

Acq: 18 Sep 2023 22:28

Instrument :

MSVOA_Y

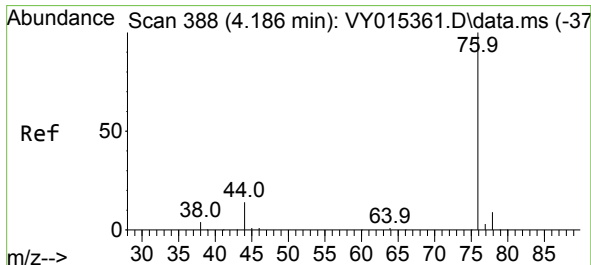
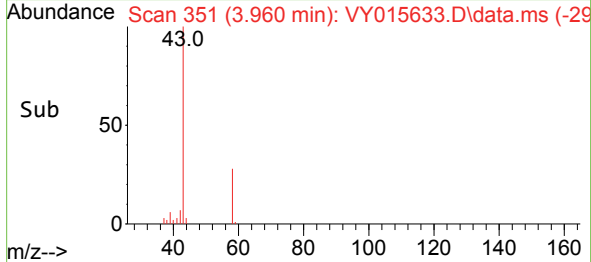
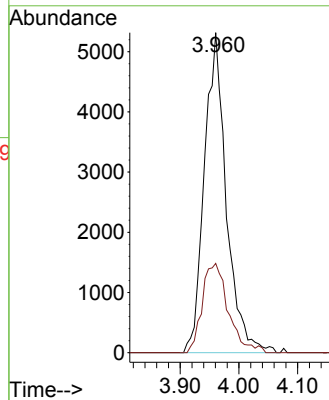
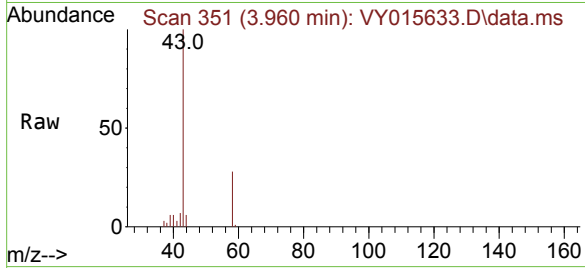
ClientSampleId :

Tgt Ion: 43 Resp: 13840

Ion Ratio Lower Upper

43 100

58 27.9 22.7 34.1



#17

Carbon Disulfide

Concen: 56.307 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.018 min

Lab File: VY015633.D

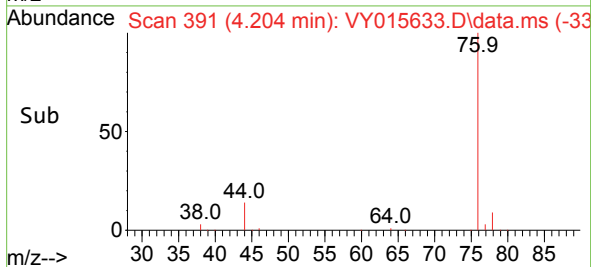
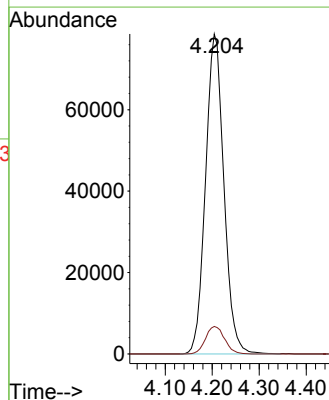
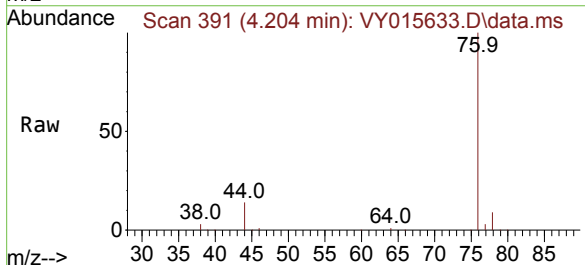
Acq: 18 Sep 2023 22:28

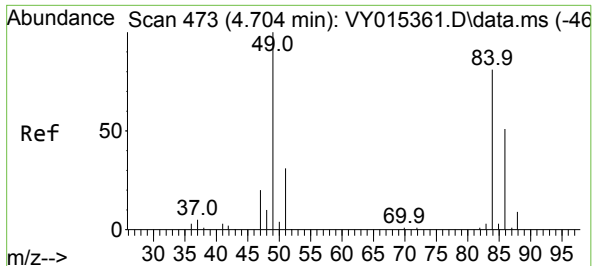
Tgt Ion: 76 Resp: 212594

Ion Ratio Lower Upper

76 100

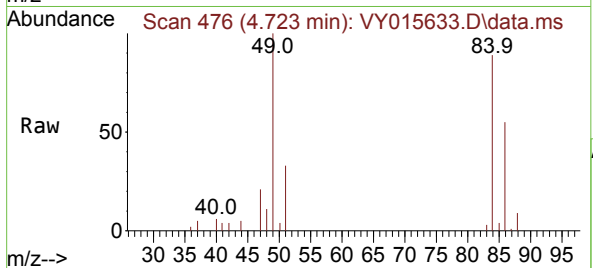
78 8.6 7.0 10.4



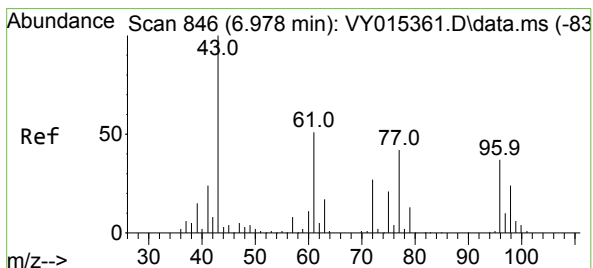
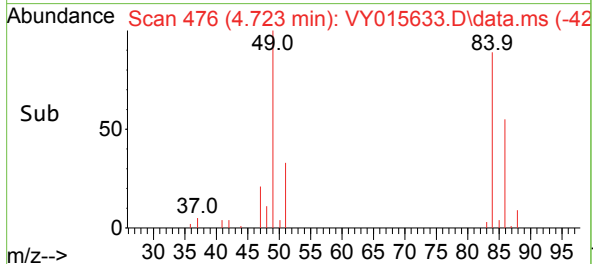
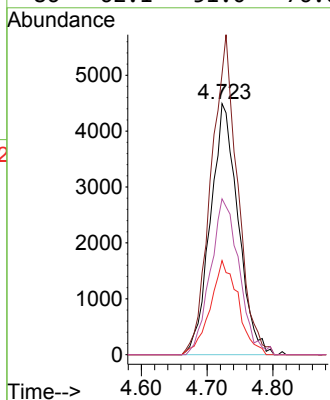


#20
Methylene Chloride
Concen: 1.292 ug/l
RT: 4.723 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY015633.D
Acq: 18 Sep 2023 22:28

Instrument :
MSVOA_Y
ClientSampleId :

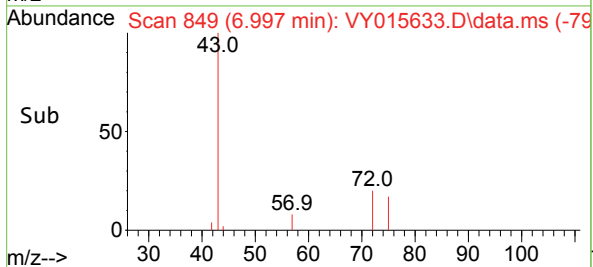
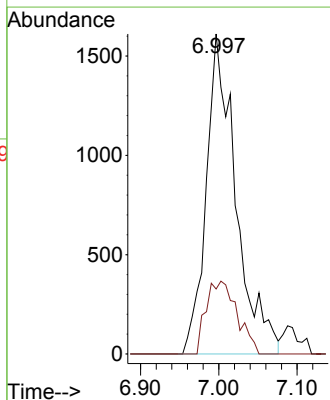
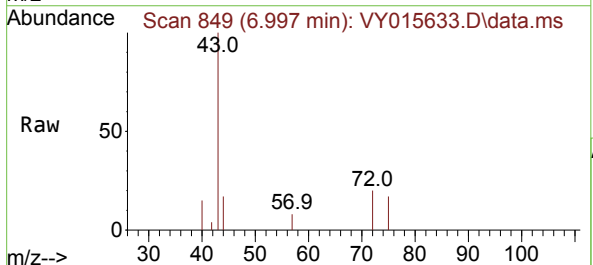


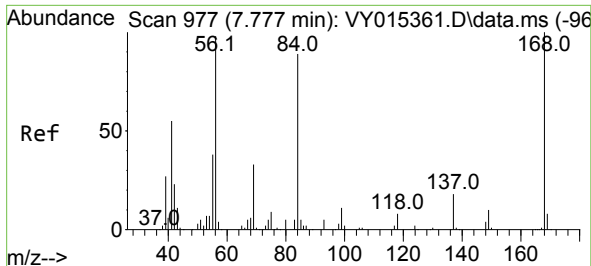
Tgt Ion:	84	Resp:	13131
Ion	Ratio	Lower	Upper
84	100		
49	111.9	106.9	160.3
51	37.5	33.2	49.8
86	62.1	51.0	76.6



#25
2-Butanone
Concen: 5.251 ug/l
RT: 6.997 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY015633.D
Acq: 18 Sep 2023 22:28

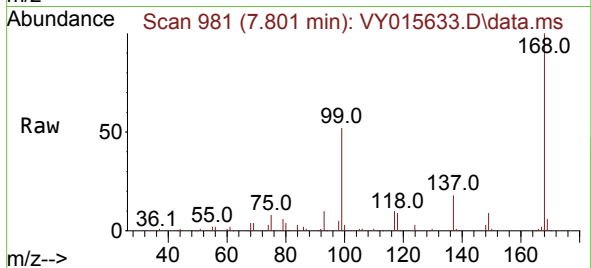
Tgt Ion:	43	Resp:	4234
Ion	Ratio	Lower	Upper
43	100		
72	20.3	20.5	30.7#



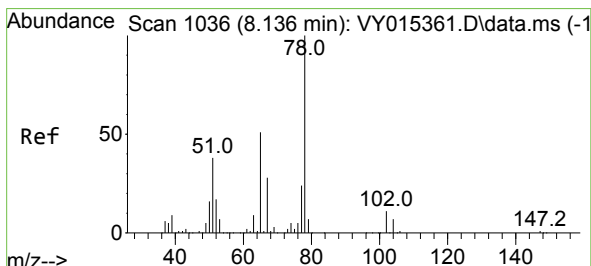
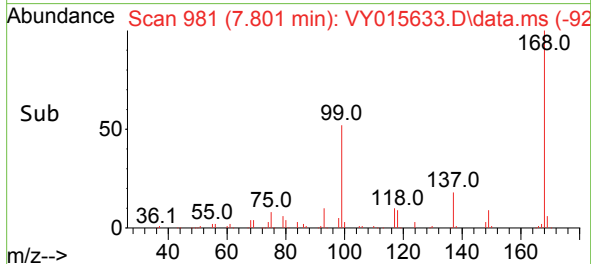
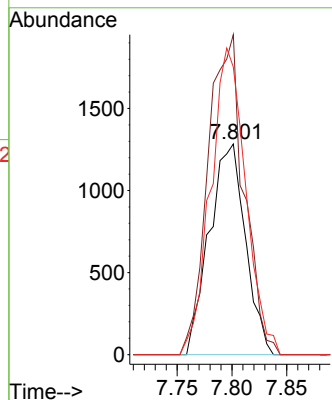


#31
Cyclohexane
Concen: 1.214 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015633.D
Acq: 18 Sep 2023 22:28

Instrument :
MSVOA_Y
ClientSampleId :

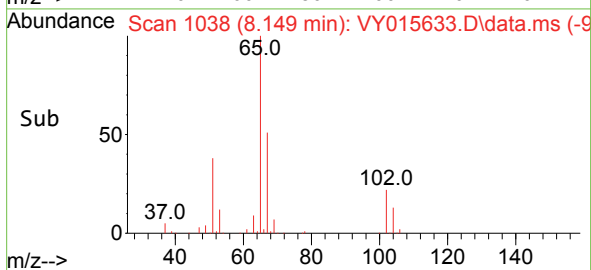
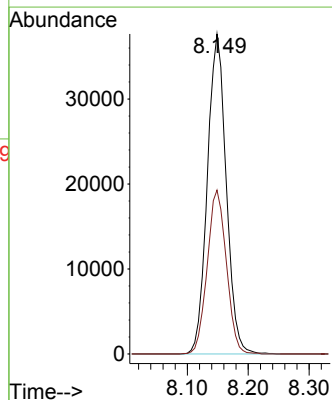
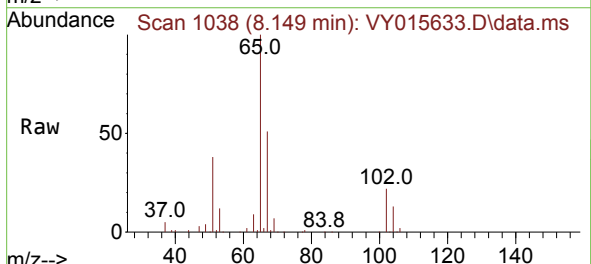


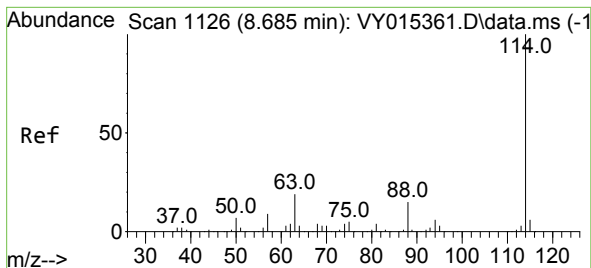
Tgt Ion: 56 Resp: 2936
Ion Ratio Lower Upper
56 100
69 151.9 27.8 41.6#
84 136.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 59.400 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.012 min
Lab File: VY015633.D
Acq: 18 Sep 2023 22:28

Tgt Ion: 65 Resp: 80898
Ion Ratio Lower Upper
65 100
67 52.0 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: VY015633.D

Acq: 18 Sep 2023 22:28

Instrument :

MSVOA_Y

ClientSampleId :

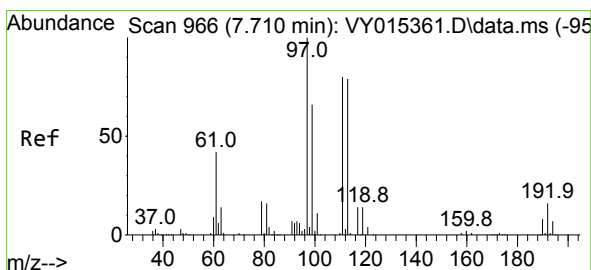
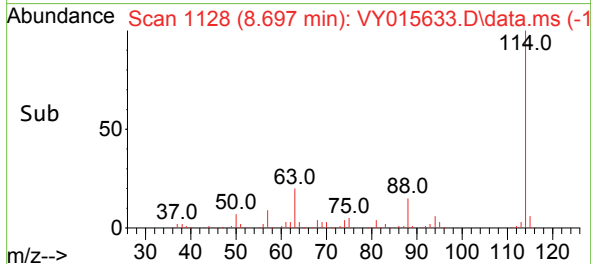
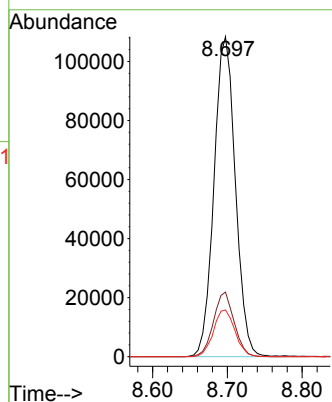
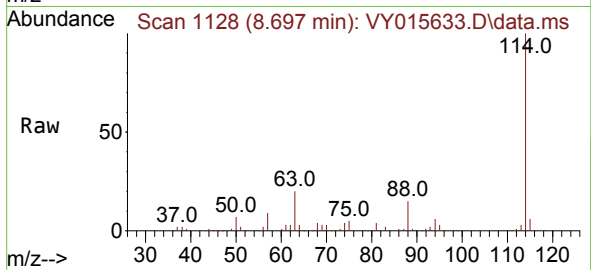
Tgt Ion:114 Resp: 215142

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.662 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015633.D

Acq: 18 Sep 2023 22:28

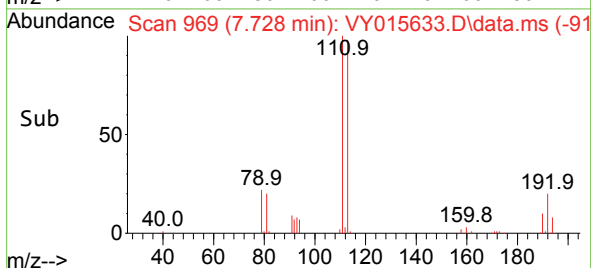
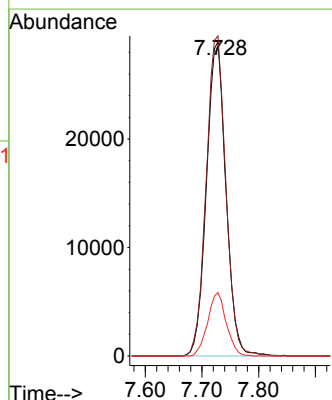
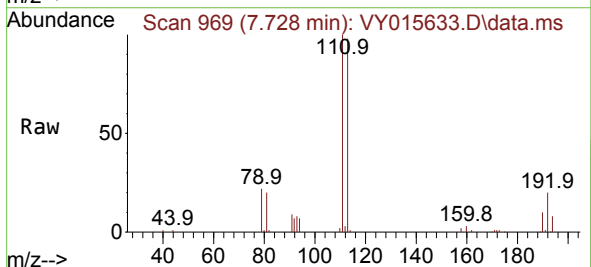
Tgt Ion:113 Resp: 68975

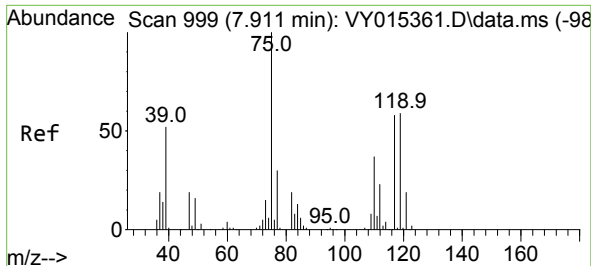
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 19.3 16.9 25.3

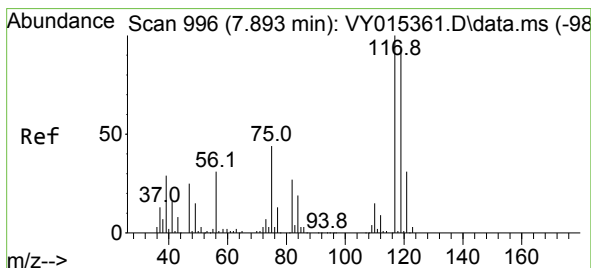
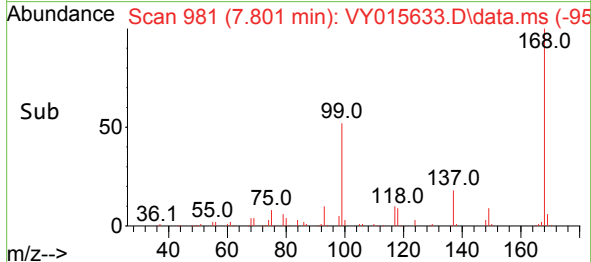
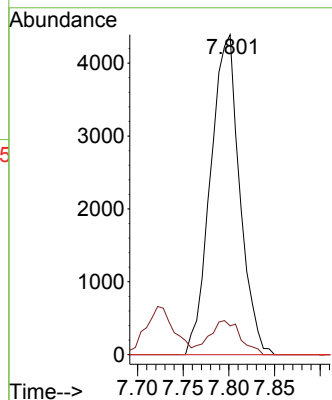
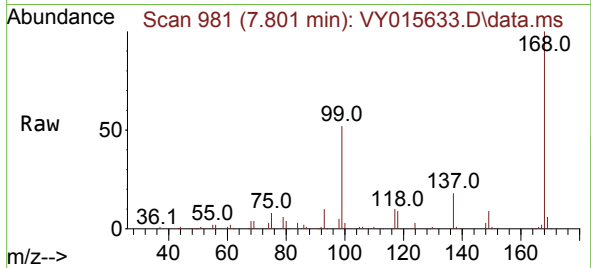




#36
1,1-Dichloropropene
Concen: 4.481 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015633.D
Acq: 18 Sep 2023 22:28

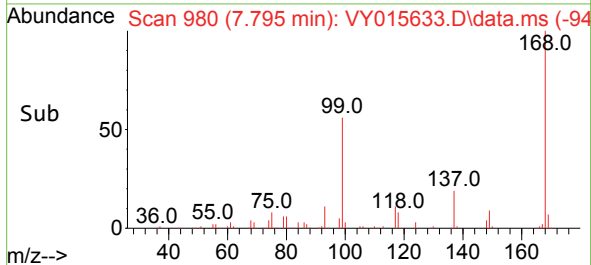
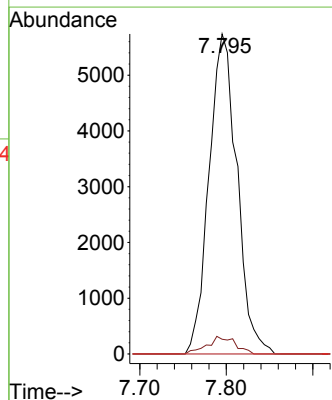
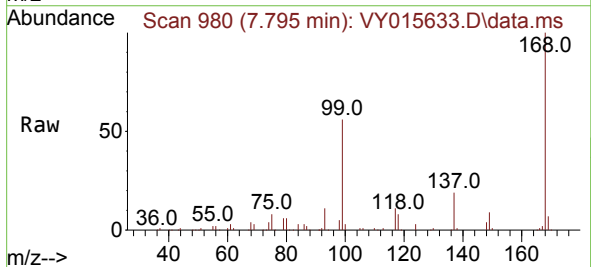
Instrument :
MSVOA_Y
ClientSampleId :

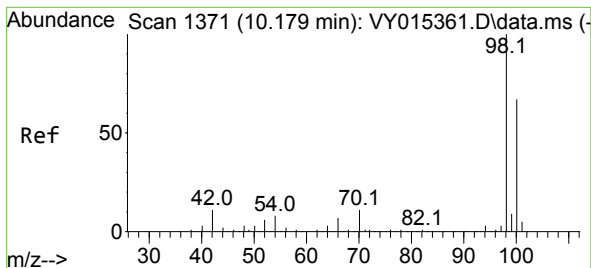
Tgt Ion: 75 Resp: 9751
Ion Ratio Lower Upper
75 100
110 11.5 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.715 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.097 min
Lab File: VY015633.D
Acq: 18 Sep 2023 22:28

Tgt Ion: 117 Resp: 12843
Ion Ratio Lower Upper
117 100
119 4.6 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 56.713 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015633.D

Acq: 18 Sep 2023 22:28

Instrument :

MSVOA_Y

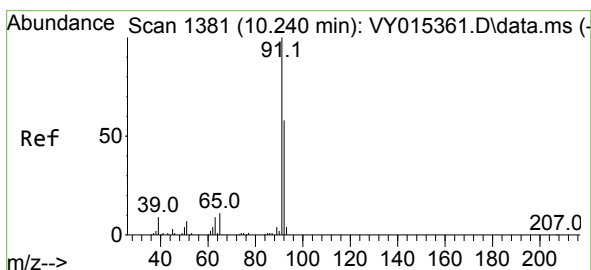
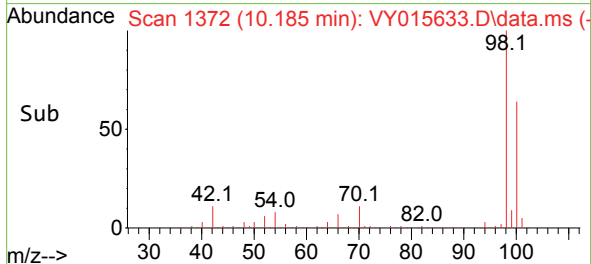
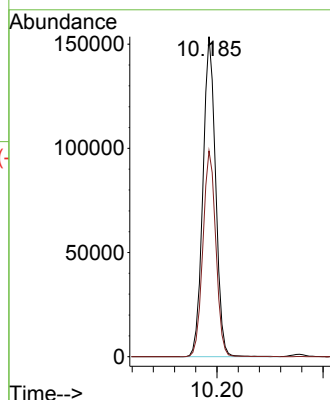
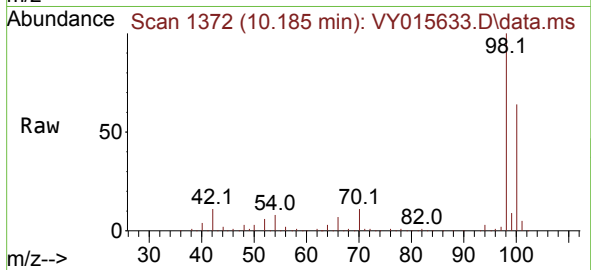
ClientSampleId :

Tgt Ion: 98 Resp: 254500

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1



#52

Toluene

Concen: 7.322 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. 0.006 min

Lab File: VY015633.D

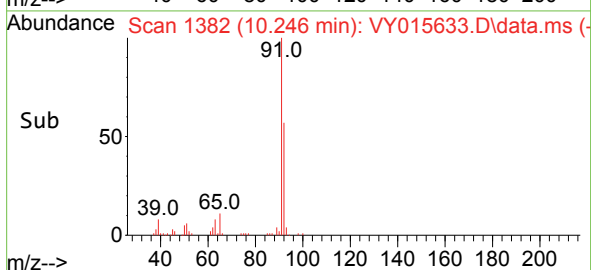
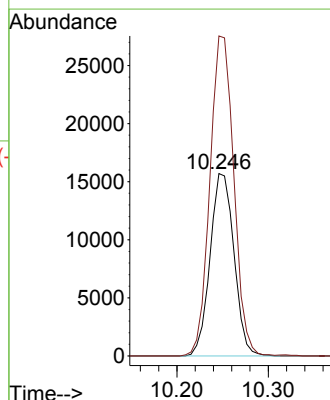
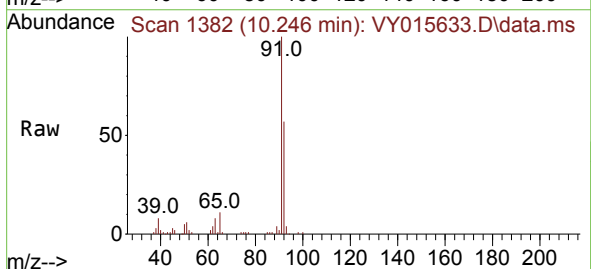
Acq: 18 Sep 2023 22:28

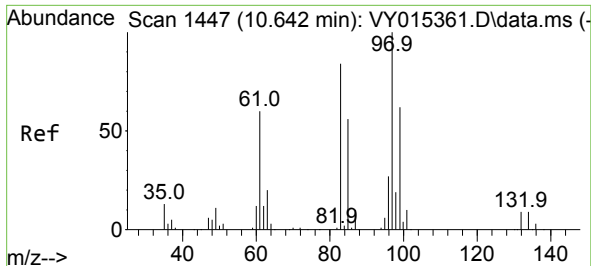
Tgt Ion: 92 Resp: 28487

Ion Ratio Lower Upper

92 100

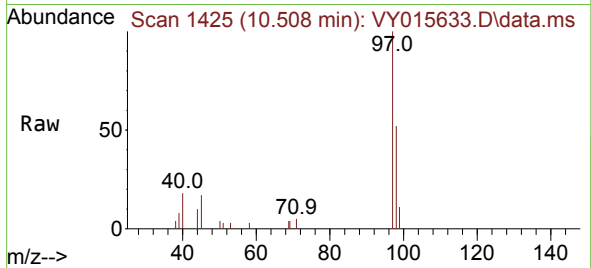
91 175.5 143.8 215.6



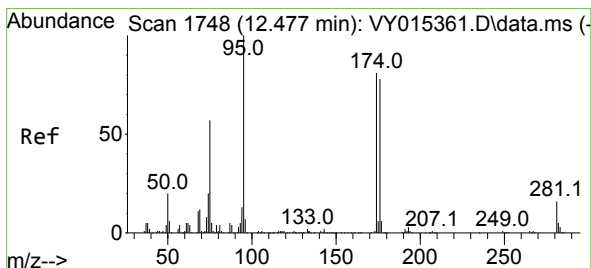
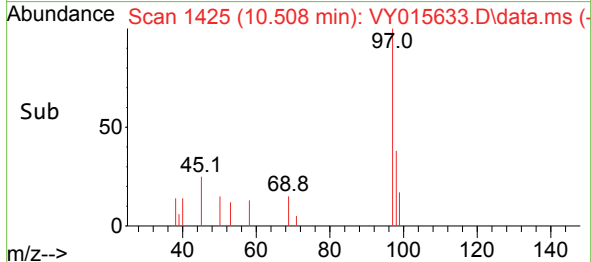
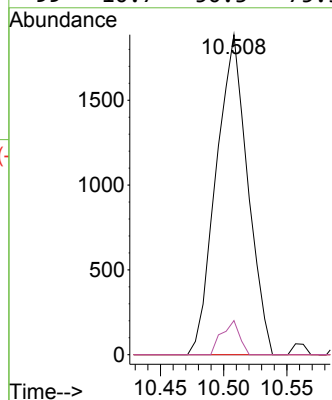


#55
 1,1,2-Trichloroethane
 Concen: 2.386 ug/l
 RT: 10.508 min Scan# 1447
 Delta R.T. -0.134 min
 Lab File: VY015633.D
 Acq: 18 Sep 2023 22:28

Instrument :
 MSVOA_Y
 ClientSampleId :

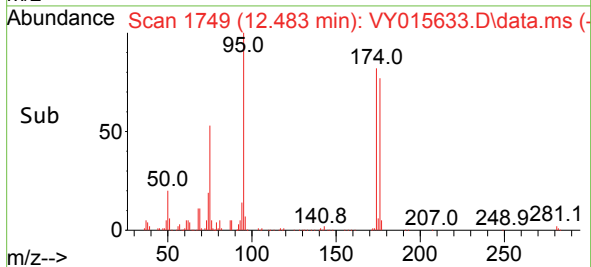
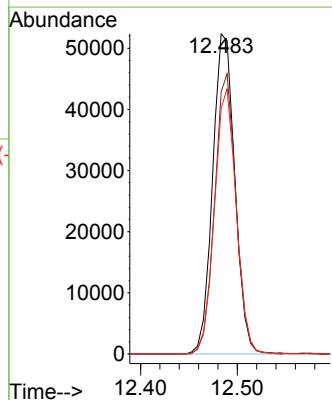
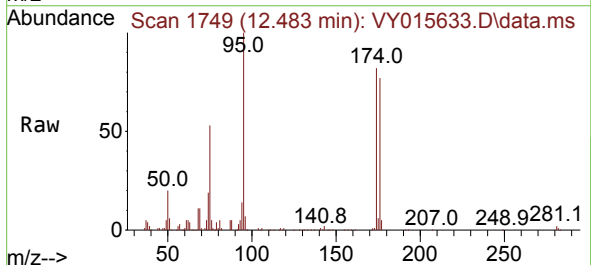


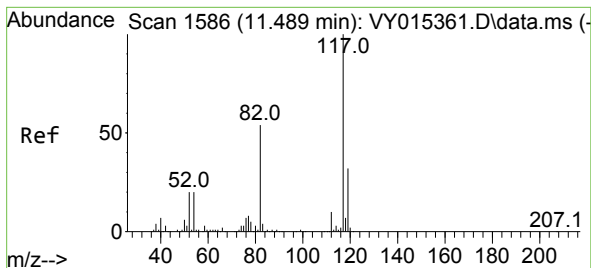
Tgt Ion	Ratio	Lower	Upper
97	100		
83	0.0	72.0	108.0#
85	0.0	45.4	68.0#
99	10.7	50.3	75.5#



#62
 4-Bromofluorobenzene
 Concen: 50.000 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.006 min
 Lab File: VY015633.D
 Acq: 18 Sep 2023 22:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	178.2
176	81.0	0.0	173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

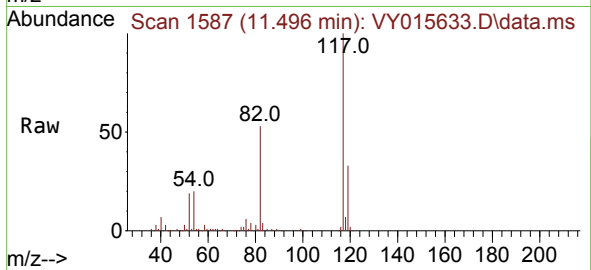
Lab File: VY015633.D

Acq: 18 Sep 2023 22:28

Instrument :

MSVOA_Y

ClientSampleId :



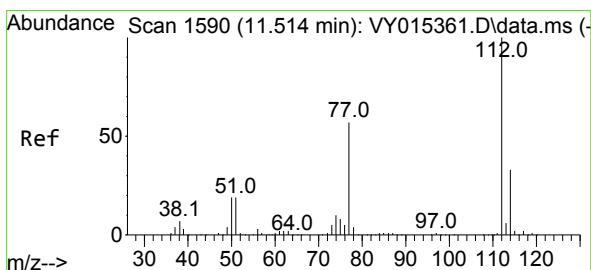
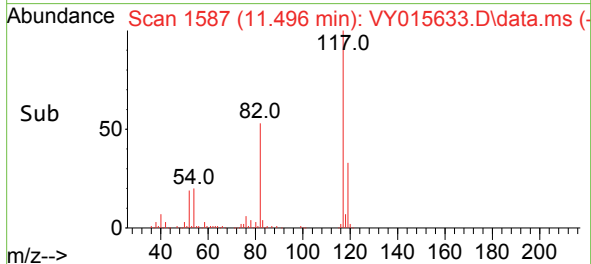
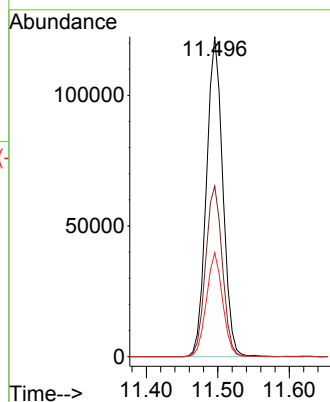
Tgt Ion:117 Resp: 194297

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 32.5 26.3 39.5



#65

Chlorobenzene

Concen: 1.293 ug/l

RT: 11.715 min Scan# 1623

Delta R.T. 0.201 min

Lab File: VY015633.D

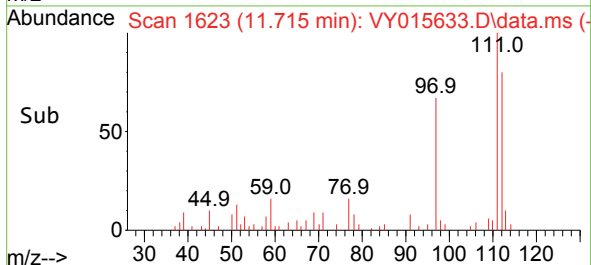
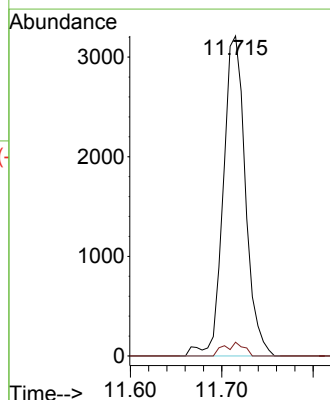
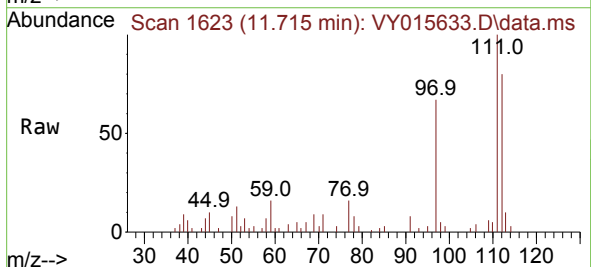
Acq: 18 Sep 2023 22:28

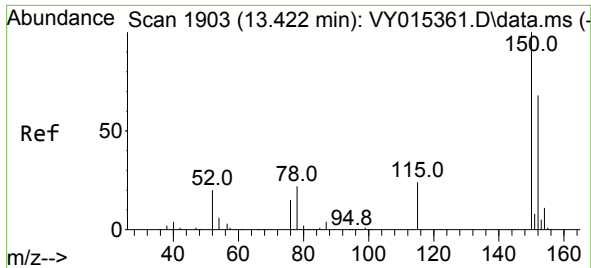
Tgt Ion:112 Resp: 5412

Ion Ratio Lower Upper

112 100

114 4.3 25.5 38.3#

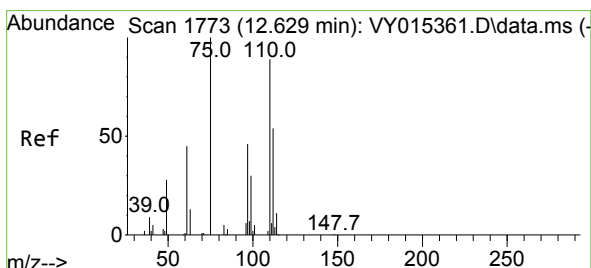
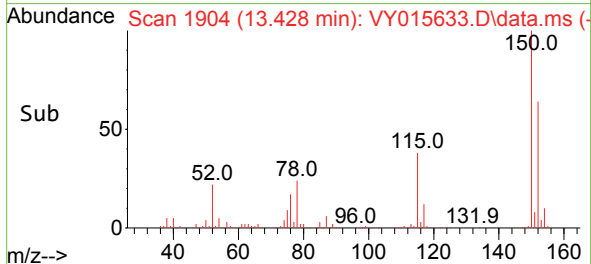
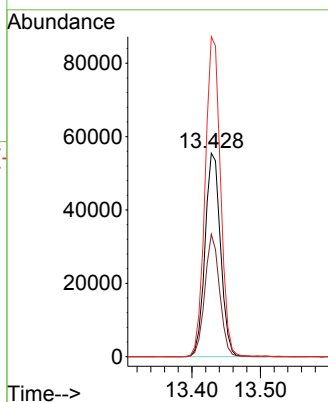
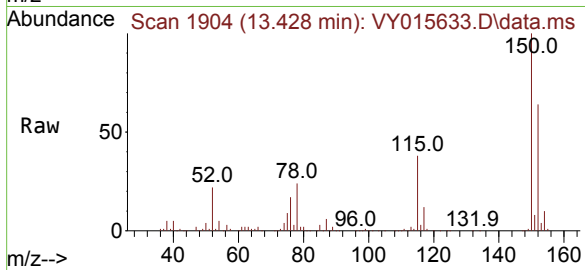




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY015633.D
 Acq: 18 Sep 2023 22:28

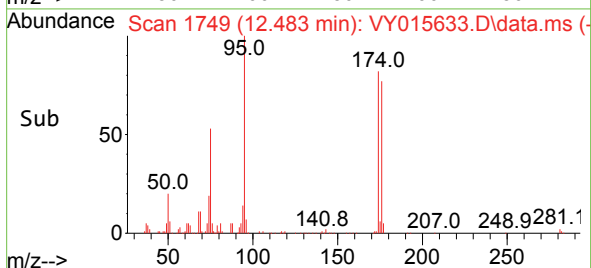
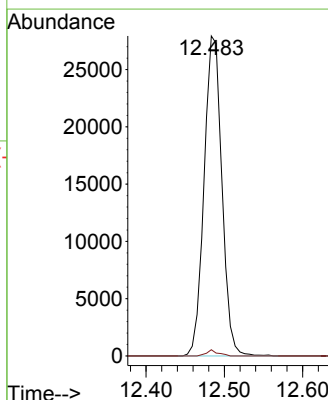
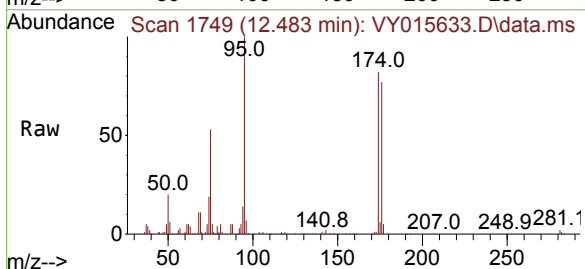
Instrument :
 MSVOA_Y
 ClientSampleId :

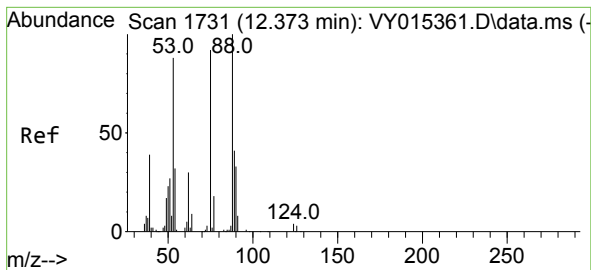
Tgt Ion:152 Resp: 87394
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.8 86.5
 150 156.0 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 38.022 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY015633.D
 Acq: 18 Sep 2023 22:28

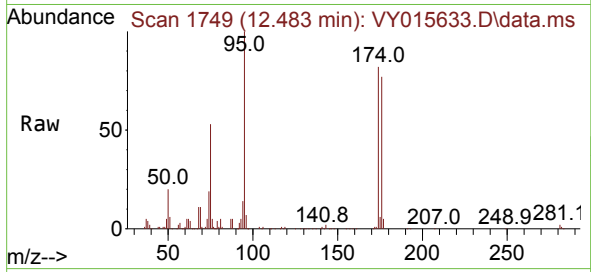
Tgt Ion: 75 Resp: 44065
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.872 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015633.D
 Acq: 18 Sep 2023 22:28

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 44065
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.2 37.4 56.0#

