

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092223\
 Data File : VY015686.D
 Acq On : 22 Sep 2023 15:54
 Operator : SY/MD
 Sample : 04569-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 22 22:56:55 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)

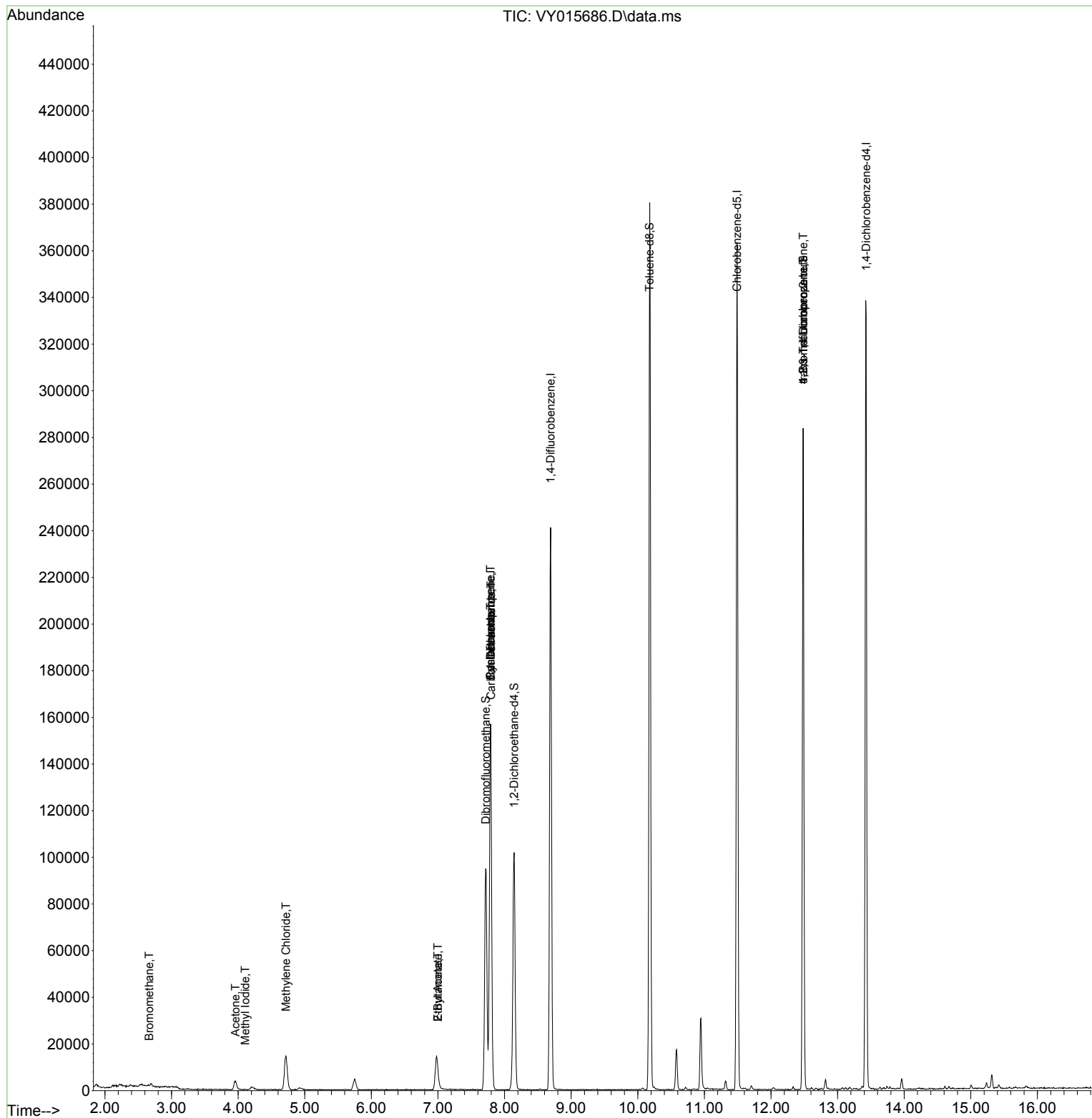
Internal Standards						
1) Pentafluorobenzene	7.789	168	122098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	208414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	192868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	78251	58.248	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.500%	
35) Dibromofluoromethane	7.716	113	67743	54.306	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.620%	
50) Toluene-d8	10.179	98	245954	58.151	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.300%	
62) 4-Bromofluorobenzene	12.483	95	82561	49.741	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.480%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	174	2.700	ug/l	90
10) Methyl Iodide	4.107	142	143	2.823	ug/l #	38
11) Tert butyl alcohol	4.930	59	1253	Below Cal	#	89
16) Acetone	3.960	43	7049	9.805	ug/l	98
20) Methylene Chloride	4.716	84	10996	2.374	ug/l	96
25) 2-Butanone	6.996	43	2671	2.628	ug/l	97
31) Cyclohexane	7.789	56	2512	1.350	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	9549	5.177	ug/l #	50
37) Ethyl Acetate	6.996	43	2671	1.452	ug/l #	70
38) Carbon Tetrachloride	7.795	117	11884	5.936	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	43650	30.843	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43650	69.454	ug/l #	11

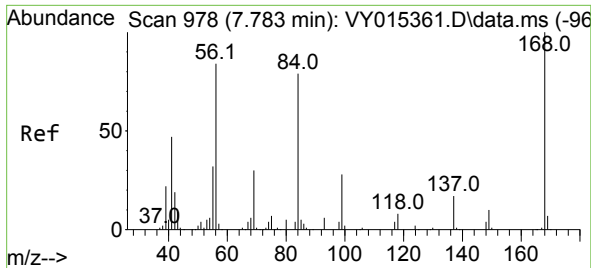
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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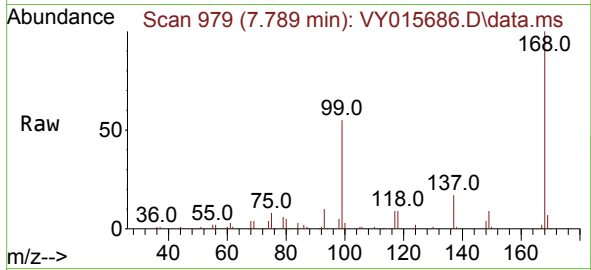
Quant Time: Sep 22 22:56:55 2023
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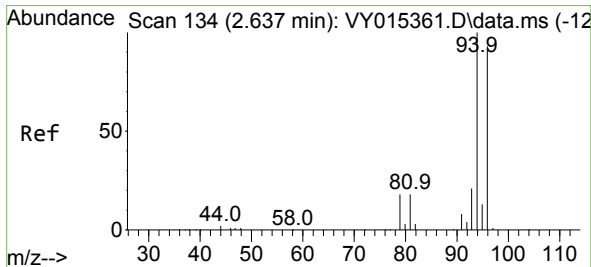
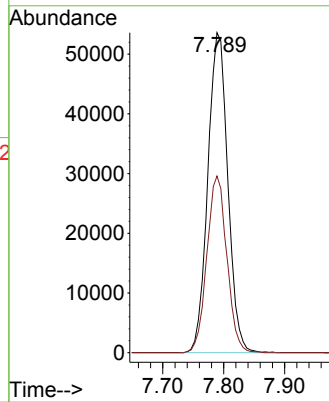
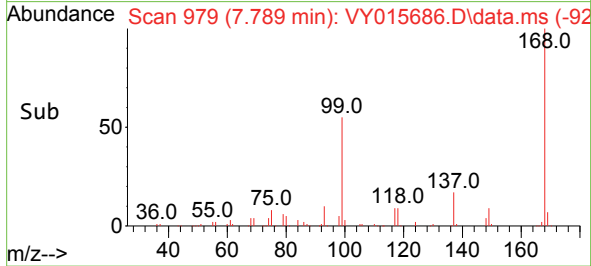


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015686.D
Acq: 22 Sep 2023 15:54

Instrument :
MSVOA_Y
ClientSampleId :

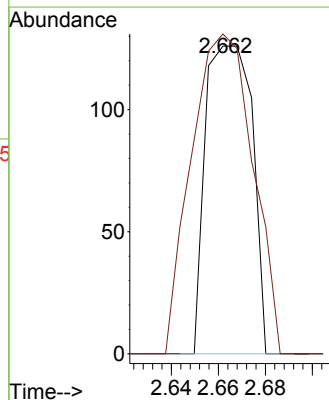
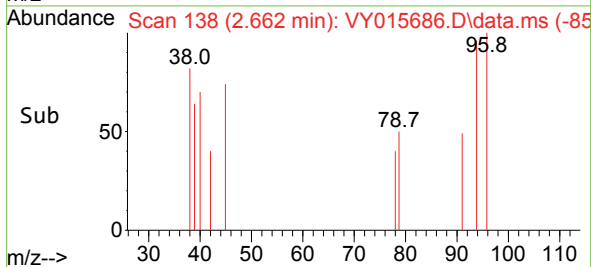
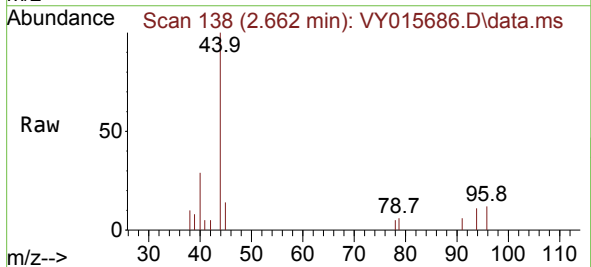


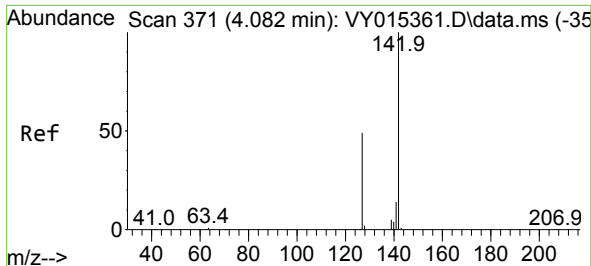
Tgt Ion:168 Resp: 122098
Ion Ratio Lower Upper
168 100
99 55.2 43.4 65.0



#5
Bromomethane
Concen: 2.700 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015686.D
Acq: 22 Sep 2023 15:54

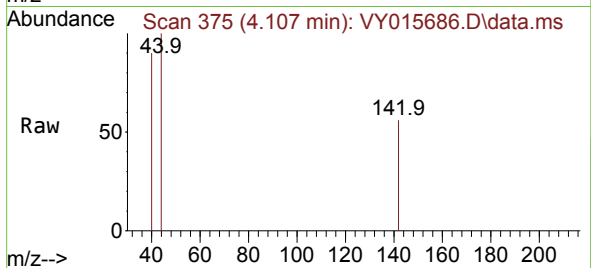
Tgt Ion: 94 Resp: 174
Ion Ratio Lower Upper
94 100
96 104.0 75.8 113.6



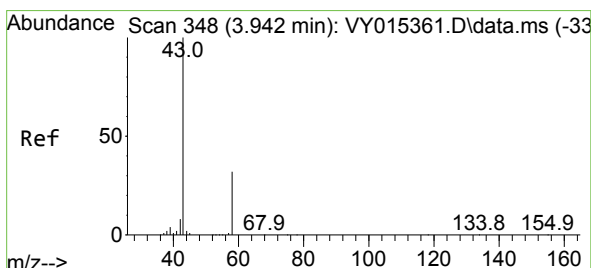
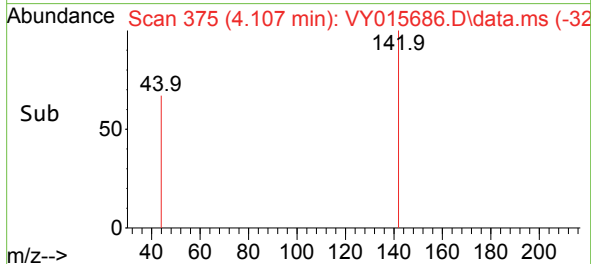
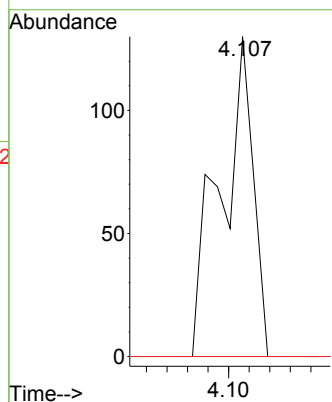


#10
Methyl Iodide
Concen: 2.823 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.025 min
Lab File: VY015686.D
Acq: 22 Sep 2023 15:54

Instrument :
MSVOA_Y
ClientSampleId :

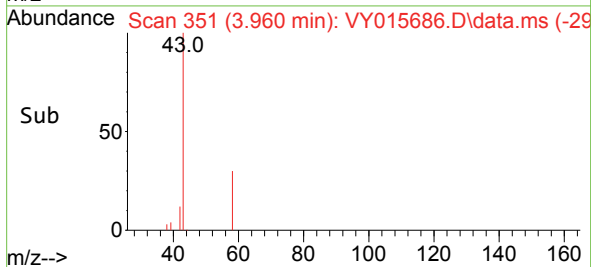
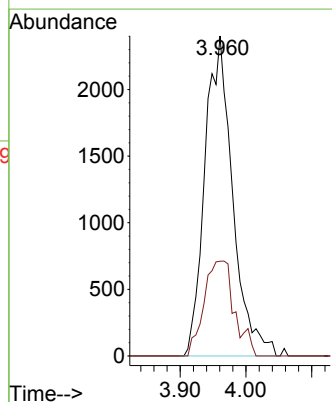
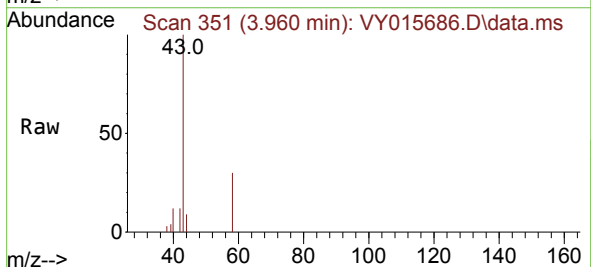


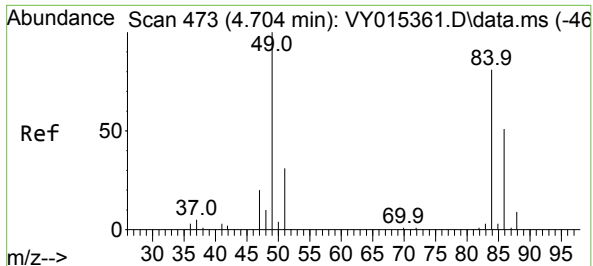
Tgt Ion:142 Resp: 143
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 9.805 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.018 min
Lab File: VY015686.D
Acq: 22 Sep 2023 15:54

Tgt Ion: 43 Resp: 7049
Ion Ratio Lower Upper
43 100
58 29.6 22.7 34.1





#20

Methylene Chloride

Concen: 2.374 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.012 min

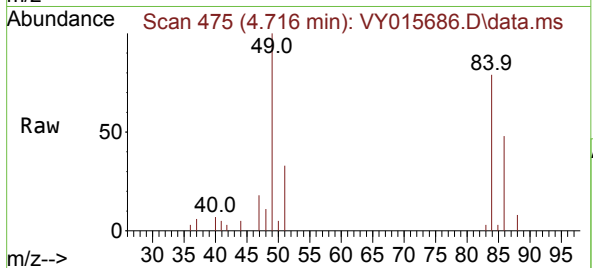
Lab File: VY015686.D

Acq: 22 Sep 2023 15:54

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 10996

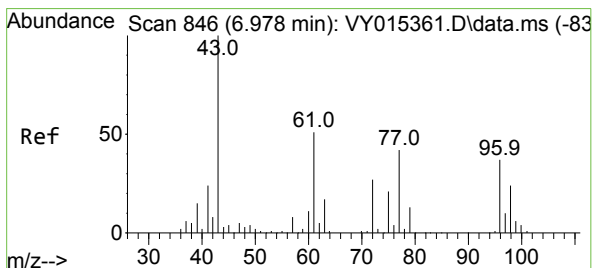
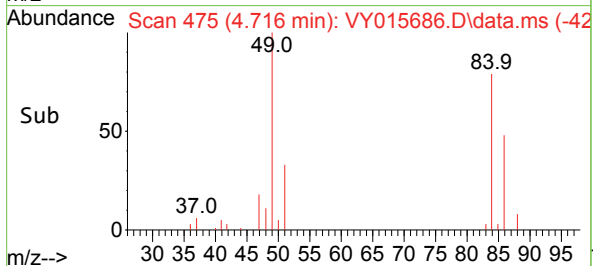
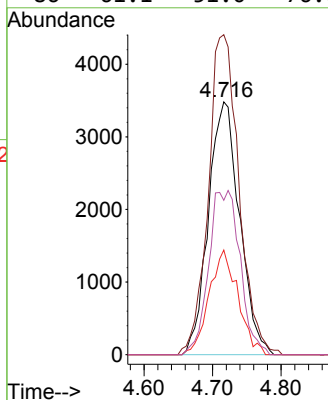
Ion Ratio Lower Upper

84 100

49 126.6 106.9 160.3

51 41.4 33.2 49.8

86 61.1 51.0 76.6



#25

2-Butanone

Concen: 2.628 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.018 min

Lab File: VY015686.D

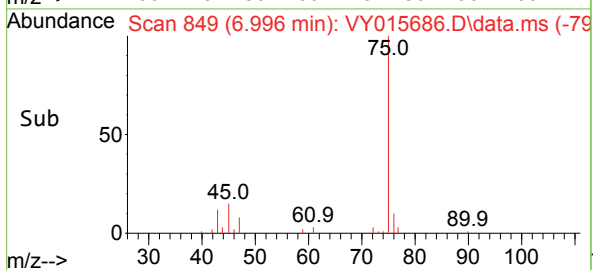
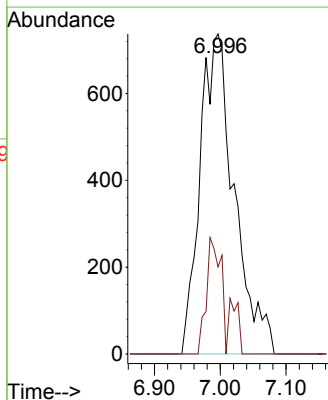
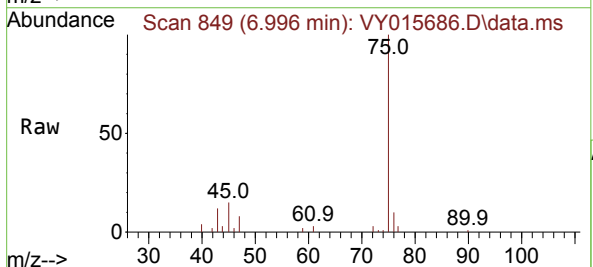
Acq: 22 Sep 2023 15:54

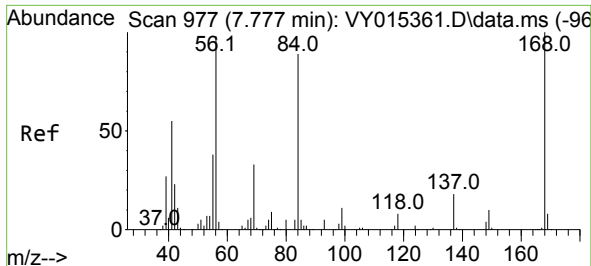
Tgt Ion: 43 Resp: 2671

Ion Ratio Lower Upper

43 100

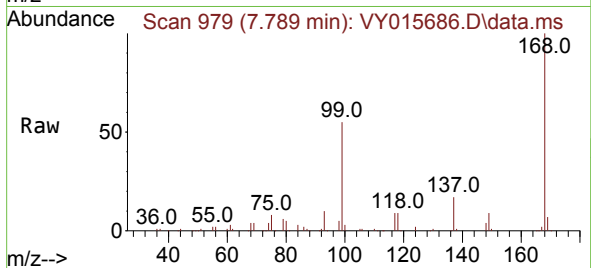
72 27.3 20.5 30.7



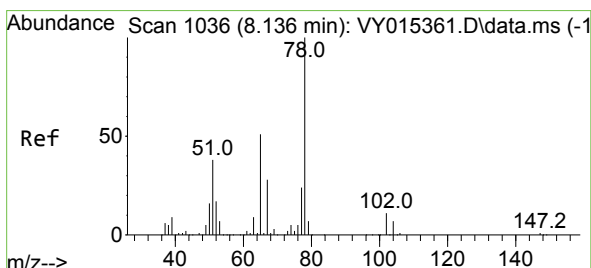
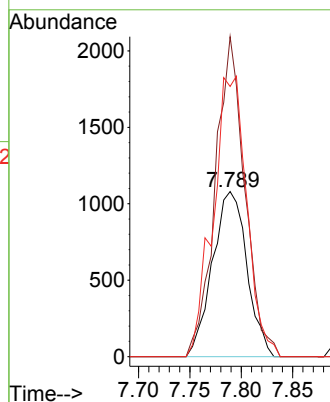
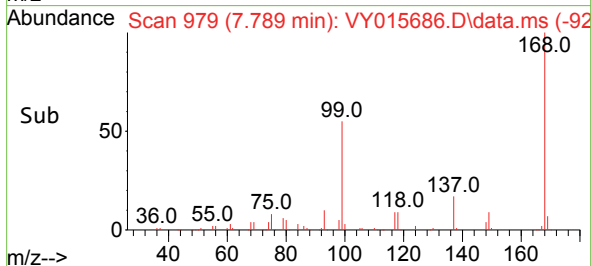


#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015686.D
Acq: 22 Sep 2023 15:54

Instrument :
MSVOA_Y
ClientSampleId :

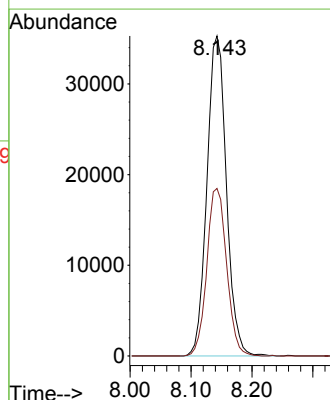
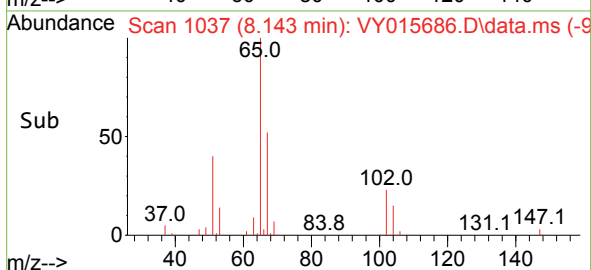
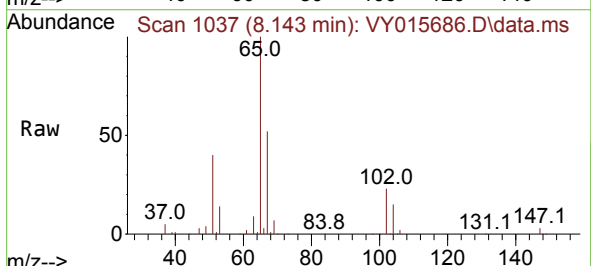


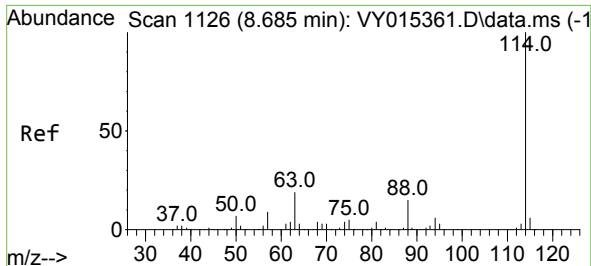
Tgt Ion: 56 Resp: 2512
Ion Ratio Lower Upper
56 100
69 193.8 27.8 41.6#
84 163.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.248 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY015686.D
Acq: 22 Sep 2023 15:54

Tgt Ion: 65 Resp: 78251
Ion Ratio Lower Upper
65 100
67 53.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

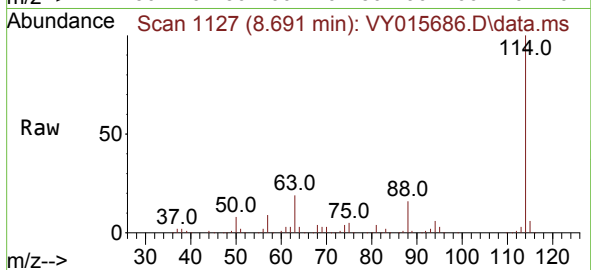
Lab File: VY015686.D

Acq: 22 Sep 2023 15:54

Instrument :

MSVOA_Y

ClientSampleId :



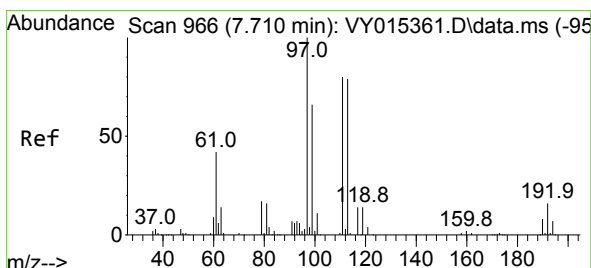
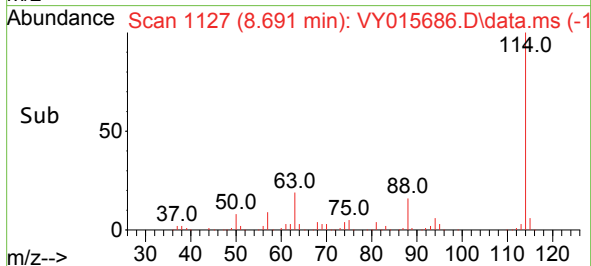
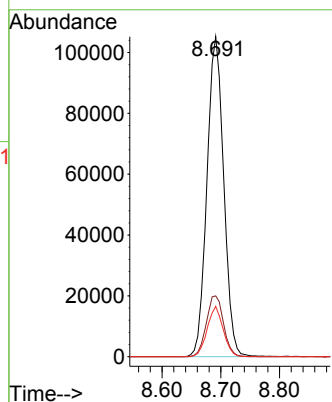
Tgt Ion:114 Resp: 208414

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.306 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015686.D

Acq: 22 Sep 2023 15:54

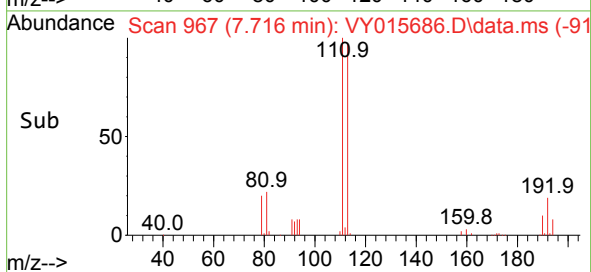
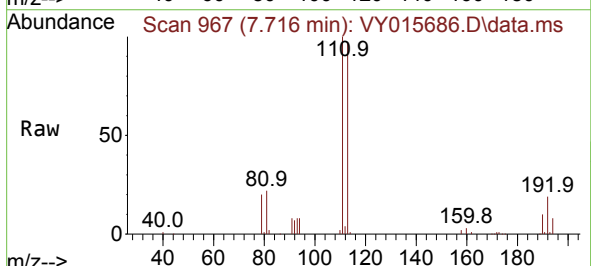
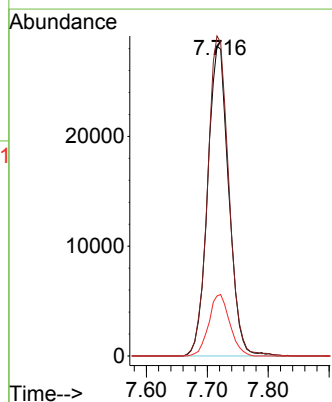
Tgt Ion:113 Resp: 67743

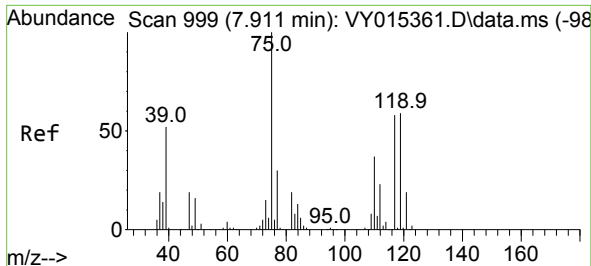
Ion Ratio Lower Upper

113 100

111 103.7 81.3 121.9

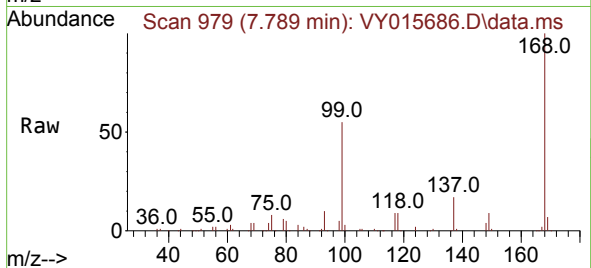
192 19.7 16.9 25.3



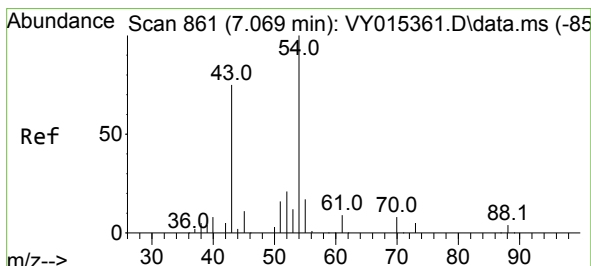
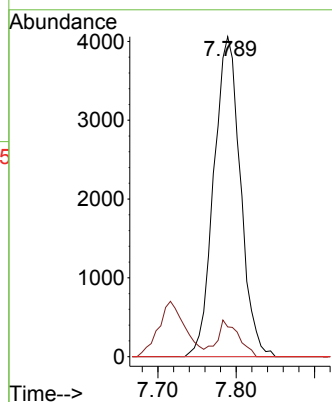
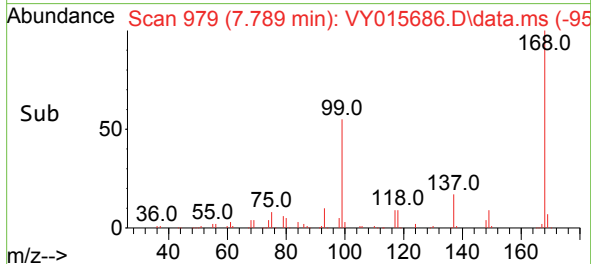


#36
 1,1-Dichloropropene
 Concen: 5.177 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY015686.D
 Acq: 22 Sep 2023 15:54

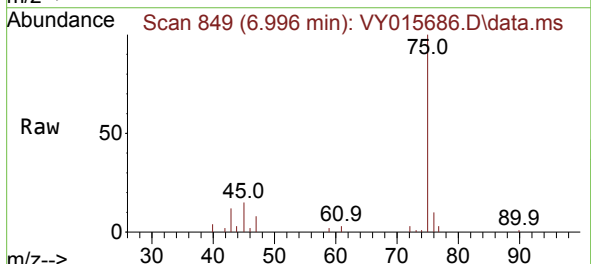
Instrument :
 MSVOA_Y
 ClientSampleId :



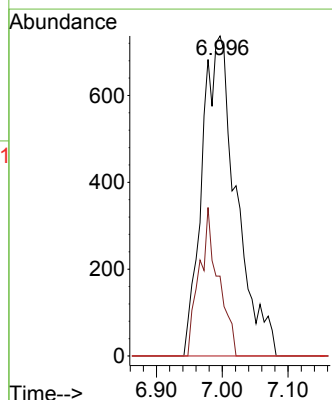
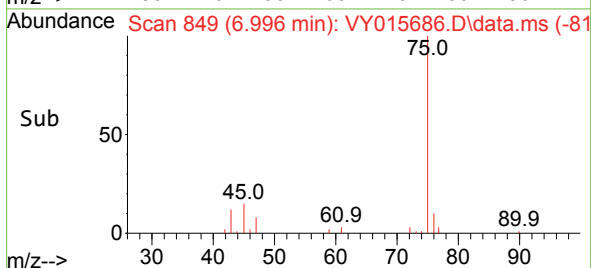
Tgt Ion: 75 Resp: 9549
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.8 53.5#
 77 0.0 24.4 36.6#

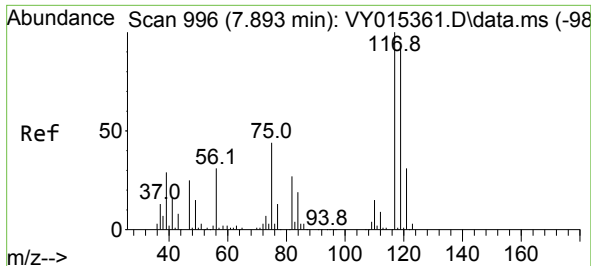


#37
 Ethyl Acetate
 Concen: 1.452 ug/l
 RT: 6.996 min Scan# 849
 Delta R.T. -0.067 min
 Lab File: VY015686.D
 Acq: 22 Sep 2023 15:54



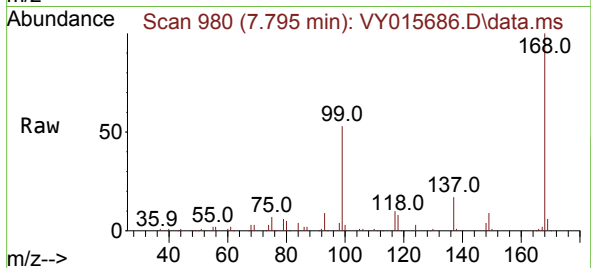
Tgt Ion: 43 Resp: 2671
 Ion Ratio Lower Upper
 43 100
 61 25.9 10.1 15.1#
 70 0.0 7.1 10.7#



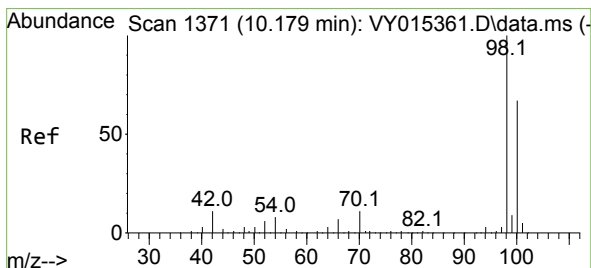
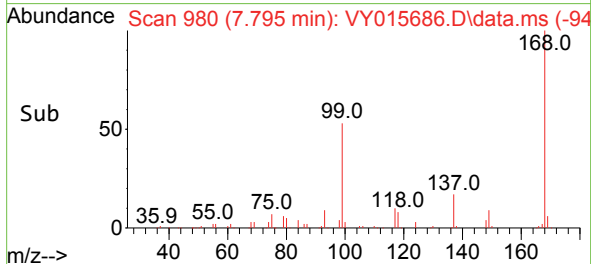
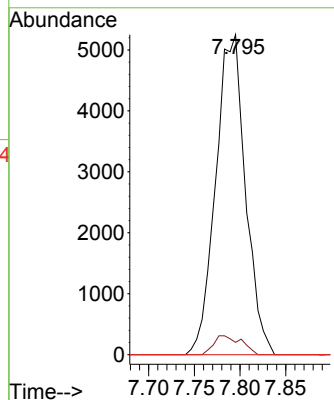


#38
Carbon Tetrachloride
Concen: 5.936 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY015686.D
Acq: 22 Sep 2023 15:54

Instrument :
MSVOA_Y
ClientSampleId :

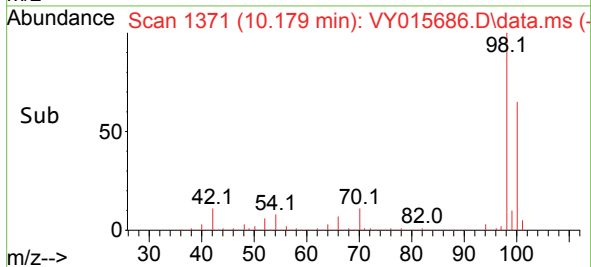
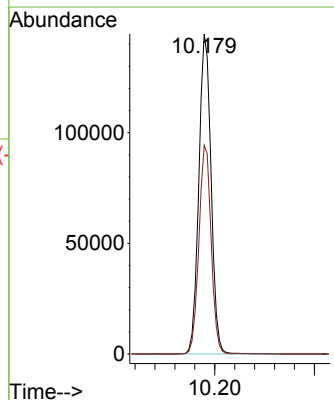
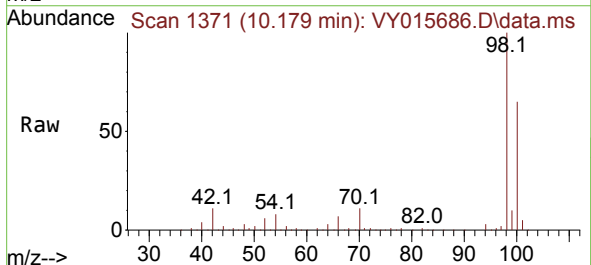


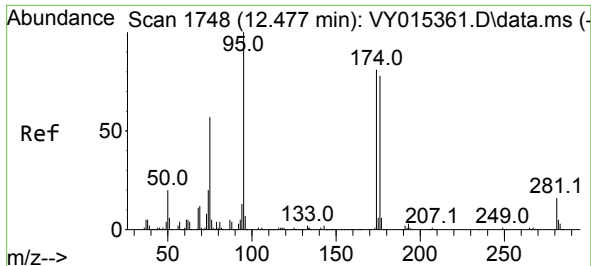
Tgt Ion:117 Resp: 11884
Ion Ratio Lower Upper
117 100
119 3.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 58.151 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015686.D
Acq: 22 Sep 2023 15:54

Tgt Ion: 98 Resp: 245954
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1

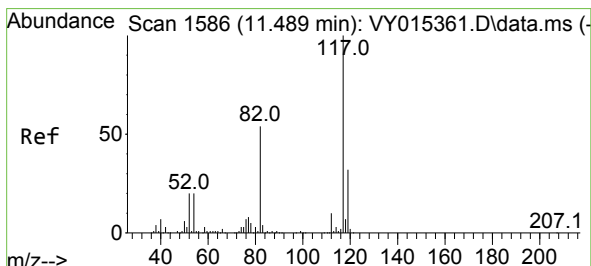
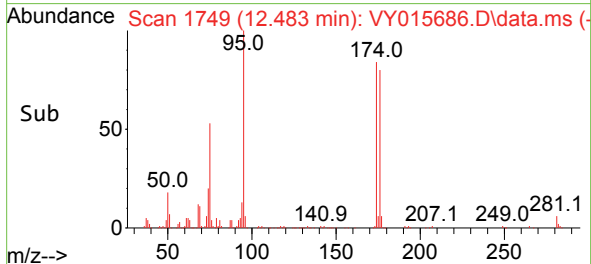
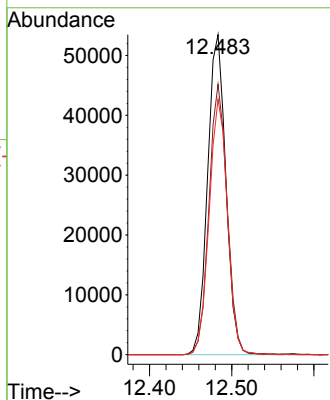
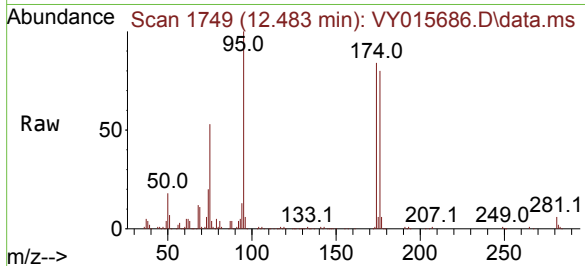




#62
4-Bromofluorobenzene
Concen: 49.741 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015686.D
Acq: 22 Sep 2023 15:54

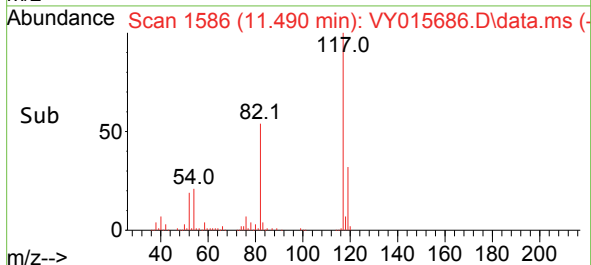
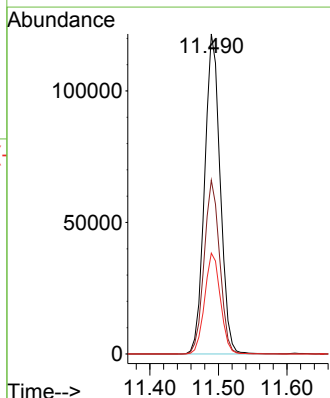
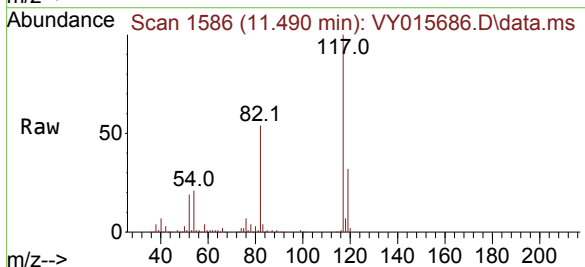
Instrument :
MSVOA_Y
ClientSampleId :

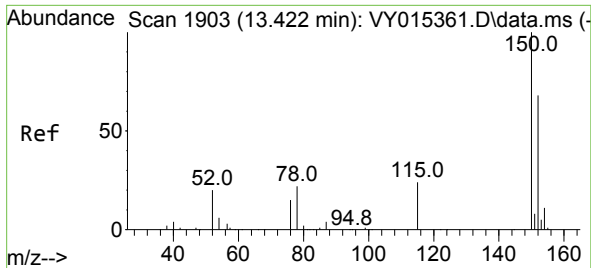
Tgt Ion: 95 Resp: 82561
Ion Ratio Lower Upper
95 100
174 84.3 0.0 178.2
176 79.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY015686.D
Acq: 22 Sep 2023 15:54

Tgt Ion: 117 Resp: 192868
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 31.5 26.3 39.5

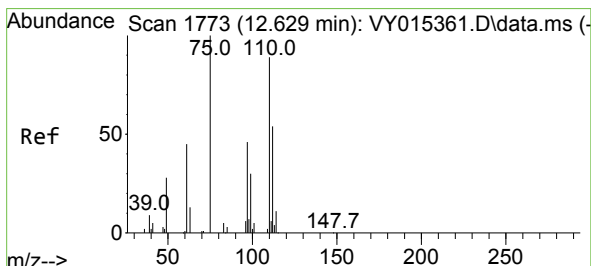
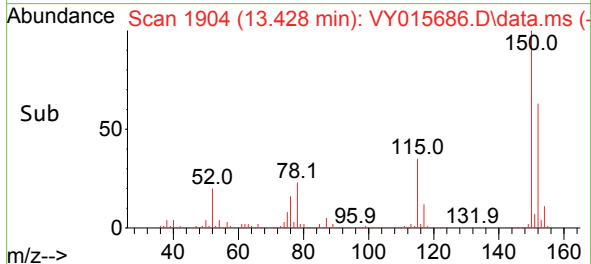
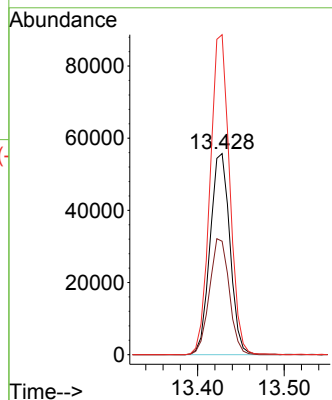
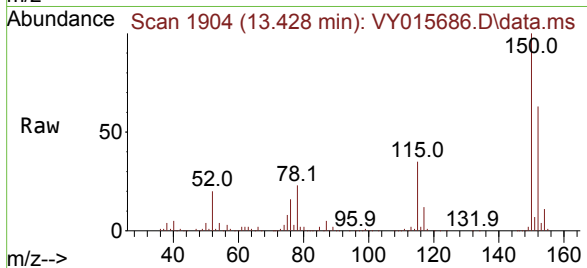




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY015686.D
 Acq: 22 Sep 2023 15:54

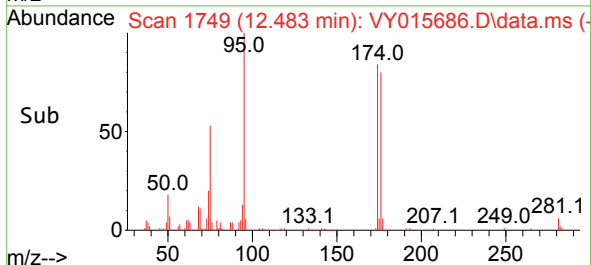
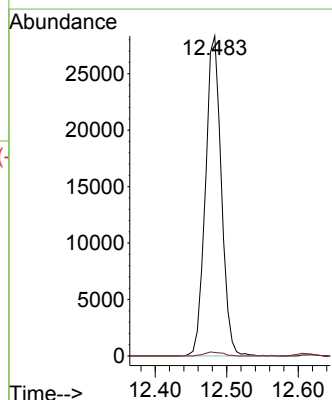
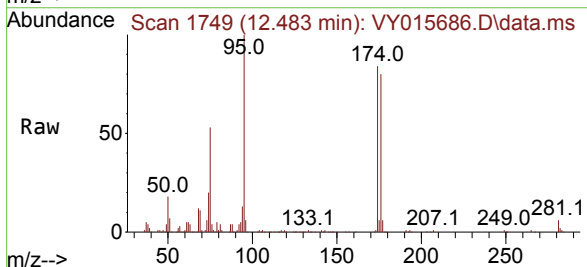
Instrument :
 MSVOA_Y
 ClientSampleId :

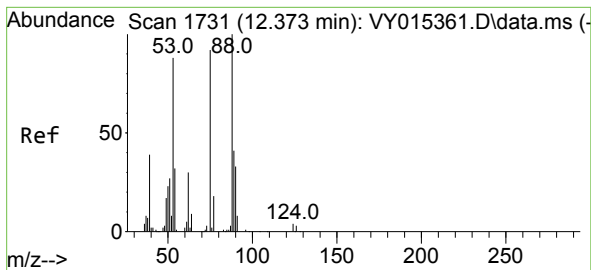
Tgt Ion:152 Resp: 88712
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.8 86.5
 150 156.7 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 30.843 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY015686.D
 Acq: 22 Sep 2023 15:54

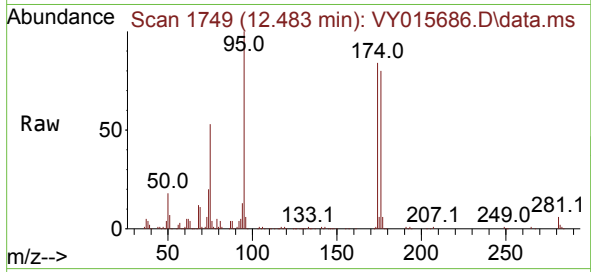
Tgt Ion: 75 Resp: 43650
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.454 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY015686.D
 Acq: 22 Sep 2023 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :



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

