

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092123\
 Data File : VY015676.D
 Acq On : 21 Sep 2023 17:33
 Operator : SY/MD
 Sample : 04567-09
 Misc : 6.58g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 22 01:22:13 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)

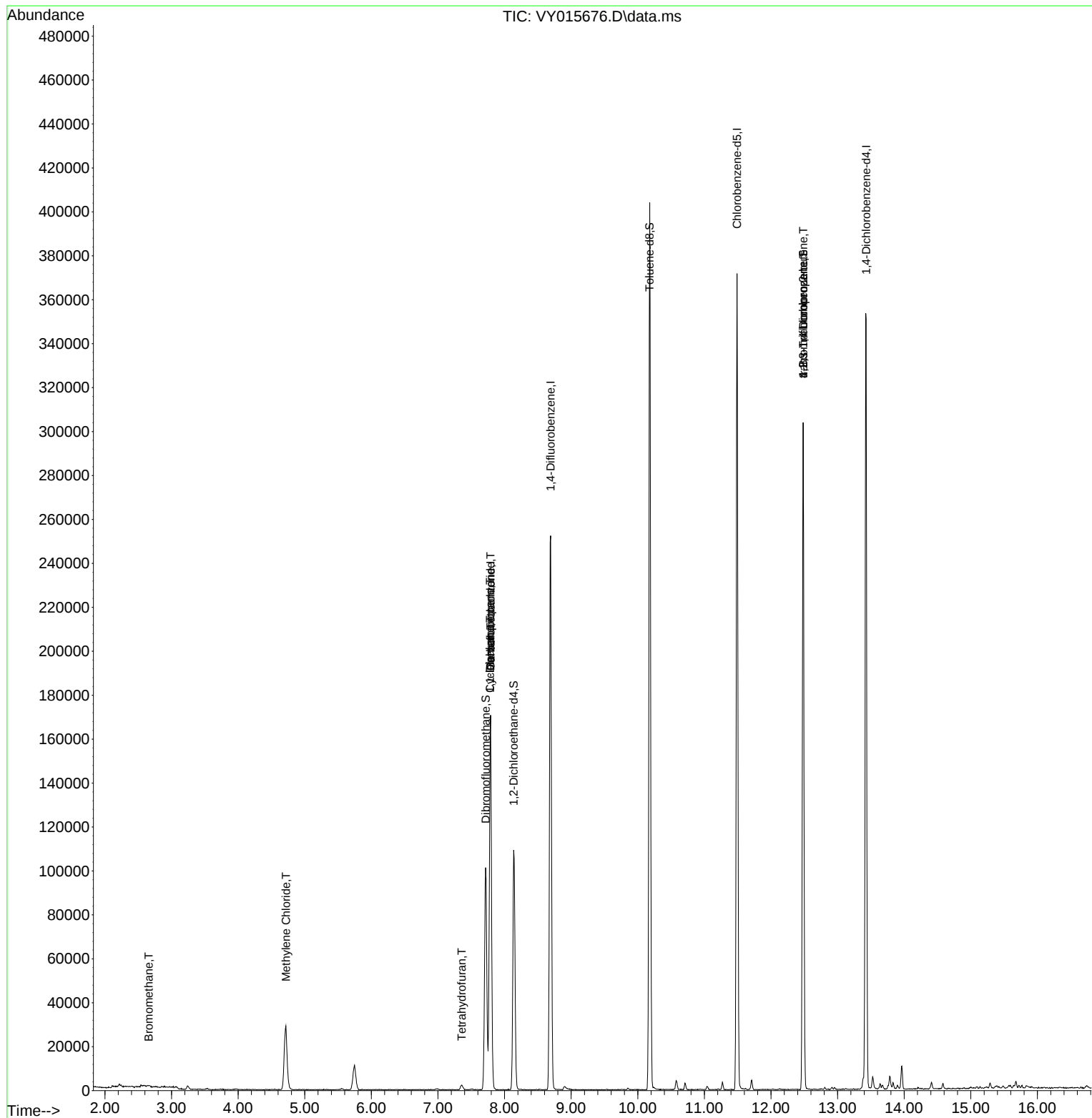
Internal Standards						
1) Pentafluorobenzene	7.789	168	130543	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	220298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	199435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92459	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	85848	59.769	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.540%	
35) Dibromofluoromethane	7.716	113	71544	54.259	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.520%	
50) Toluene-d8	10.179	98	262594	58.736	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.480%	
62) 4-Bromofluorobenzene	12.483	95	86053	49.048	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.100%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	160	2.680	ug/l	99
11) Tert butyl alcohol	4.966	59	210	Below Cal	#	89
20) Methylene Chloride	4.716	84	21581	8.835	ug/l	86
29) Tetrahydrofuran	7.356	42	1676	2.729	ug/l	94
31) Cyclohexane	7.783	56	2966	1.491	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	9947	5.102	ug/l #	50
38) Carbon Tetrachloride	7.789	117	12947	6.118	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	46664	31.636	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	46664	71.241	ug/l #	11

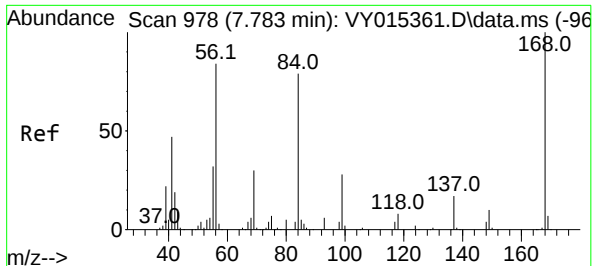
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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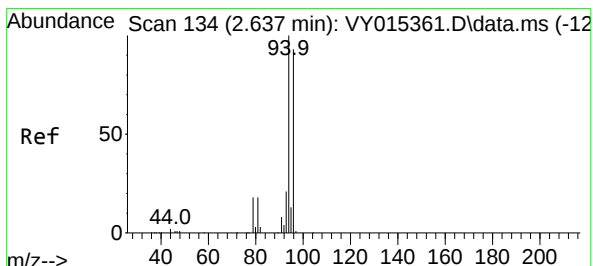
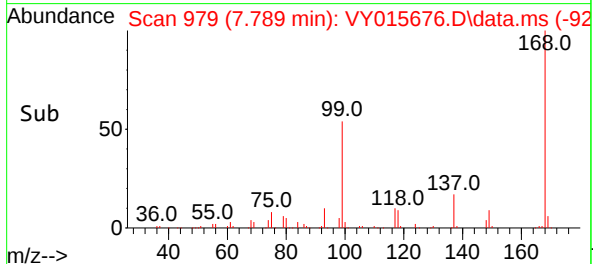
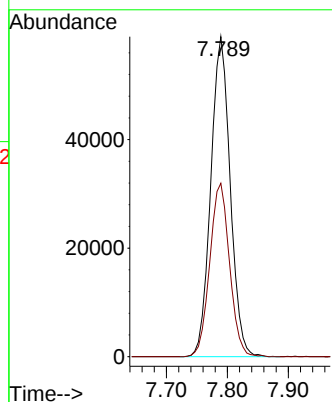
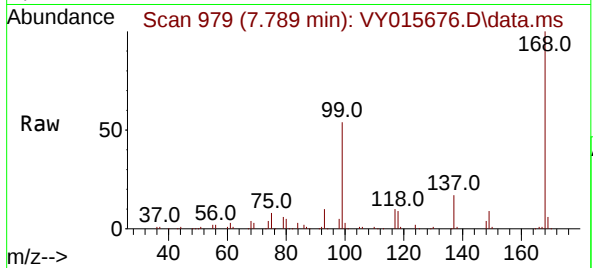




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015676.D
Acq: 21 Sep 2023 17:33

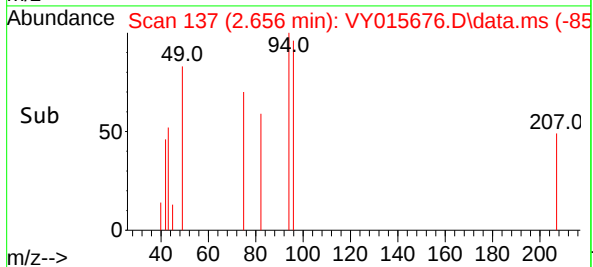
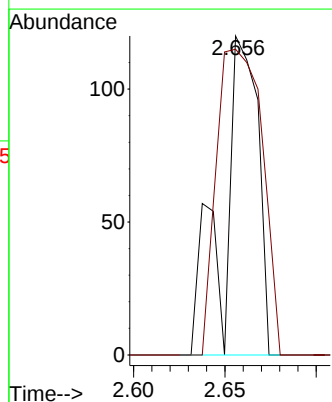
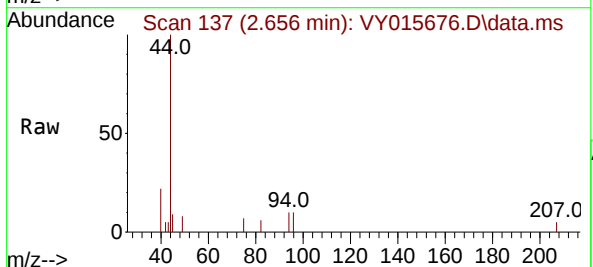
Instrument :
MSVOA_Y
ClientSampleId :

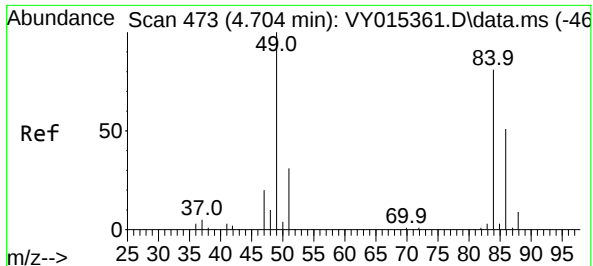
Tgt Ion:168 Resp: 130543
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#5
Bromomethane
Concen: 2.680 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015676.D
Acq: 21 Sep 2023 17:33

Tgt Ion: 94 Resp: 160
Ion Ratio Lower Upper
94 100
96 95.8 75.8 113.6

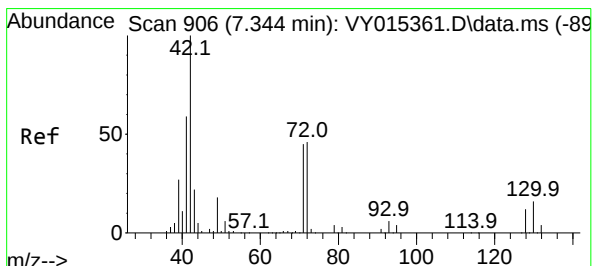
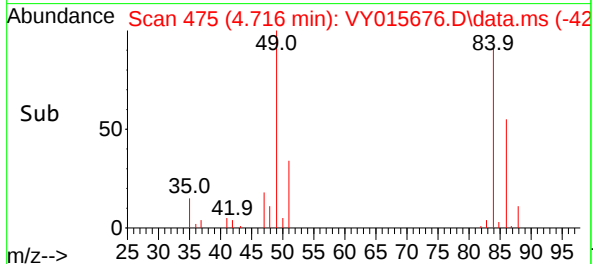
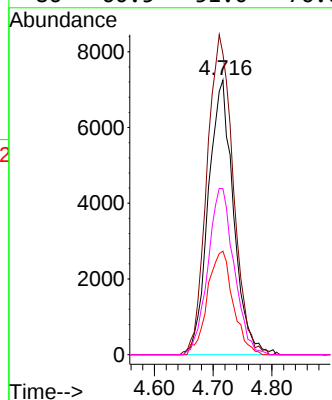
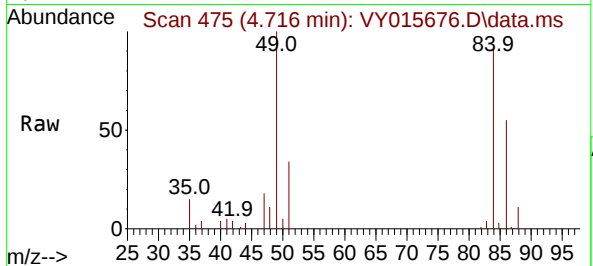




#20
Methylene Chloride
Concen: 8.835 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY015676.D
Acq: 21 Sep 2023 17:33

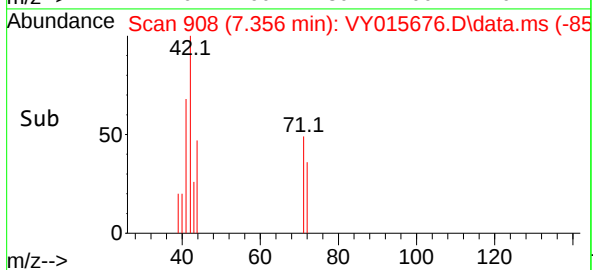
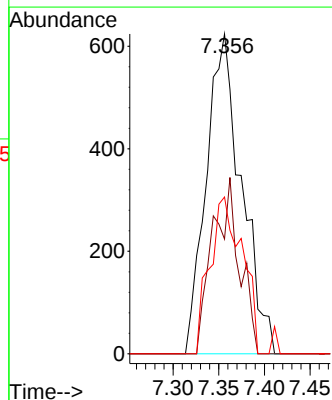
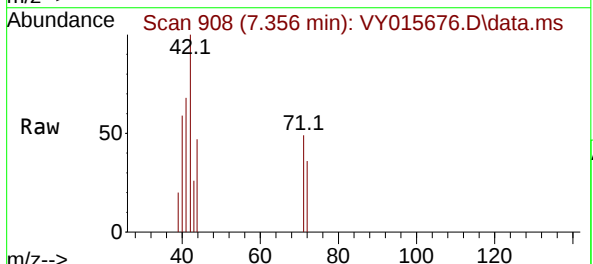
Instrument :
MSVOA_Y
ClientSampleId :

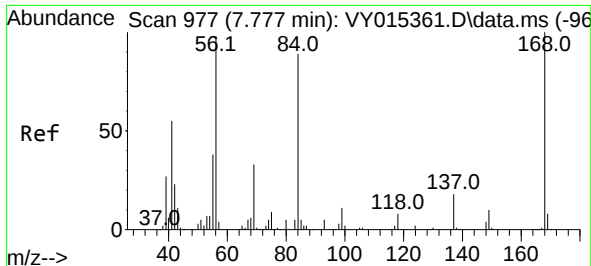
Tgt Ion:	84	Resp:	21581
Ion	Ratio	Lower	Upper
84	100		
49	109.6	106.9	160.3
51	37.7	33.2	49.8
86	60.5	51.0	76.6



#29
Tetrahydrofuran
Concen: 2.729 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY015676.D
Acq: 21 Sep 2023 17:33

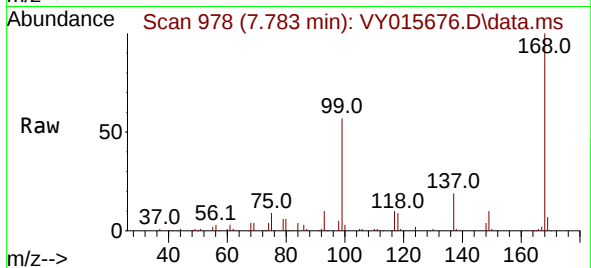
Tgt Ion:	42	Resp:	1676
Ion	Ratio	Lower	Upper
42	100		
72	42.2	32.8	49.2
71	45.3	31.0	46.4



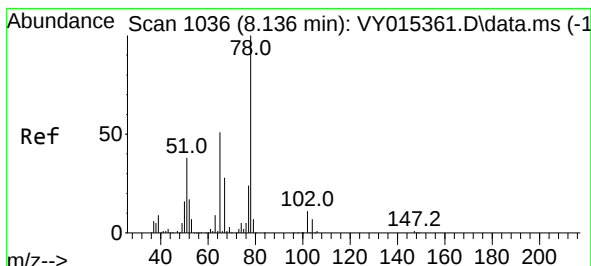
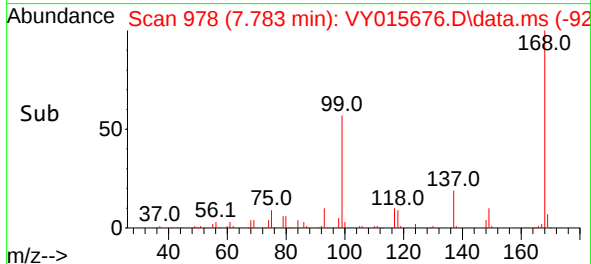
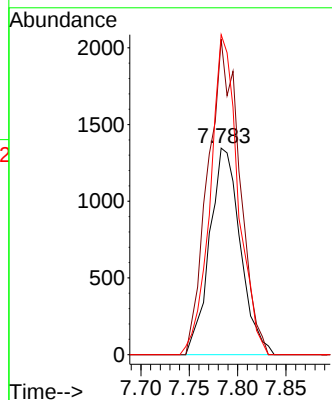


#31
Cyclohexane
Concen: 1.491 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015676.D
Acq: 21 Sep 2023 17:33

Instrument :
MSVOA_Y
ClientSampleId :

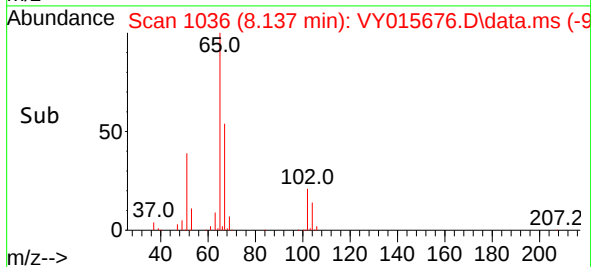
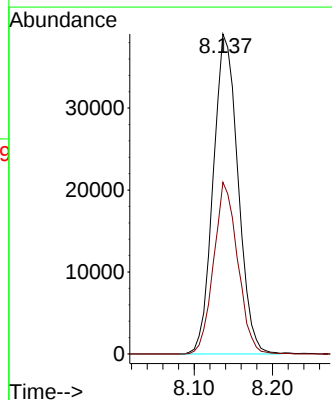
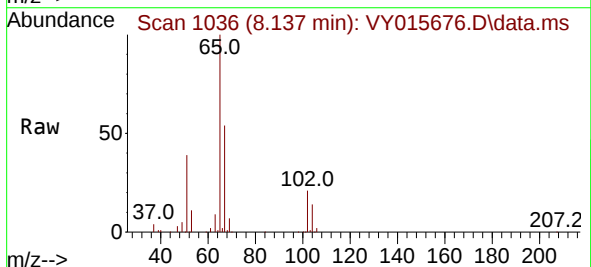


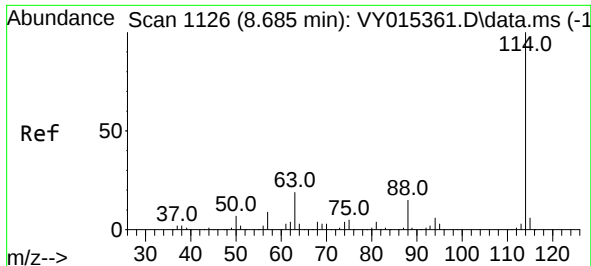
Tgt Ion: 56 Resp: 2966
Ion Ratio Lower Upper
56 100
69 152.7 27.8 41.6#
84 155.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 59.769 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY015676.D
Acq: 21 Sep 2023 17:33

Tgt Ion: 65 Resp: 85848
Ion Ratio Lower Upper
65 100
67 52.0 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: VY015676.D

Acq: 21 Sep 2023 17:33

Instrument :

MSVOA_Y

ClientSampleId :

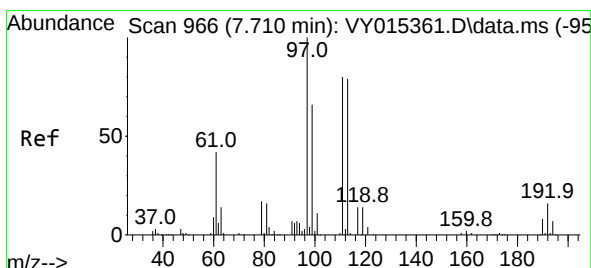
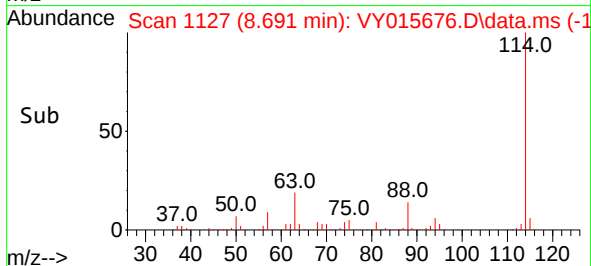
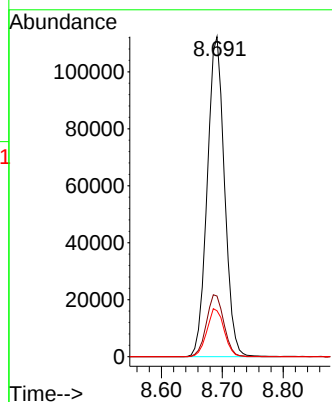
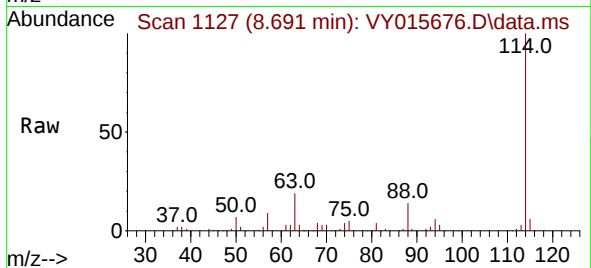
Tgt Ion:114 Resp: 220298

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 14.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.259 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015676.D

Acq: 21 Sep 2023 17:33

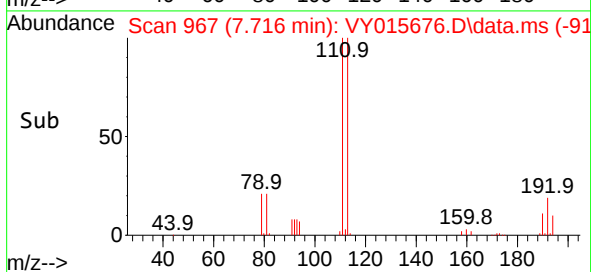
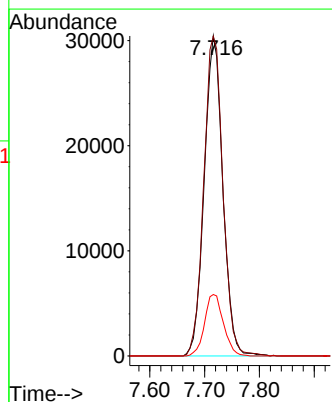
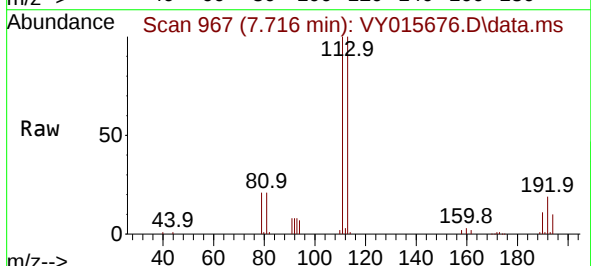
Tgt Ion:113 Resp: 71544

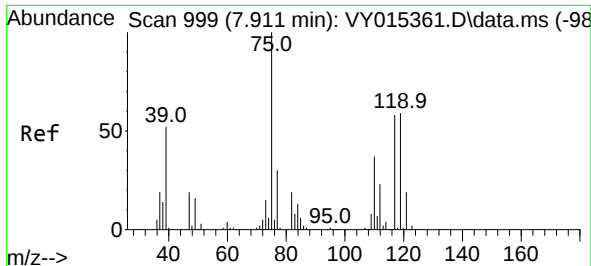
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 19.5 16.9 25.3

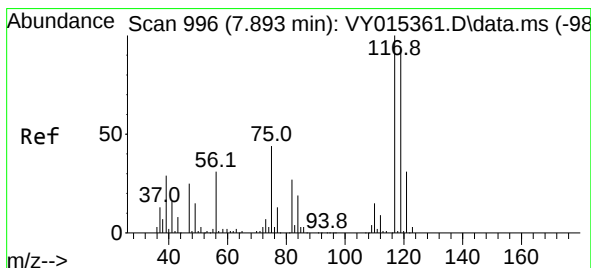
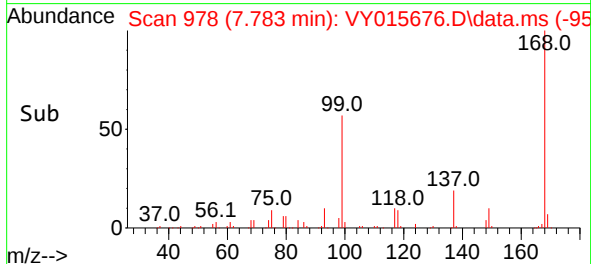
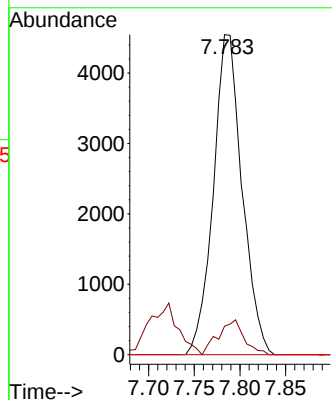
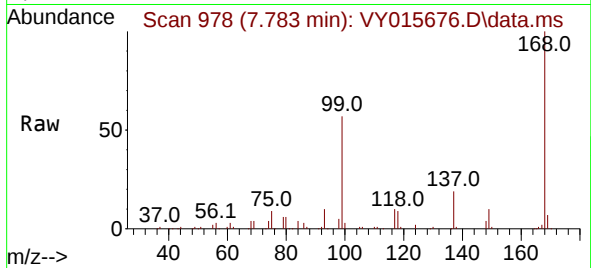




#36
1,1-Dichloropropene
Concen: 5.102 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015676.D
Acq: 21 Sep 2023 17:33

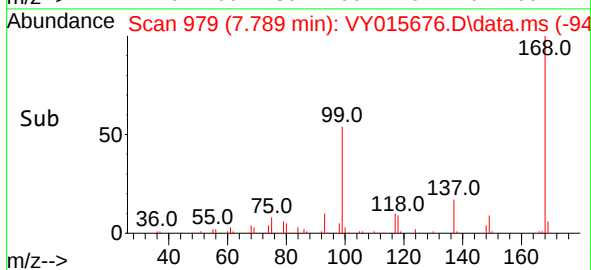
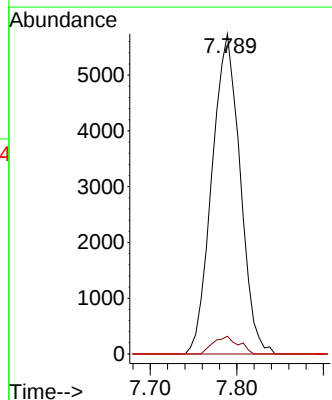
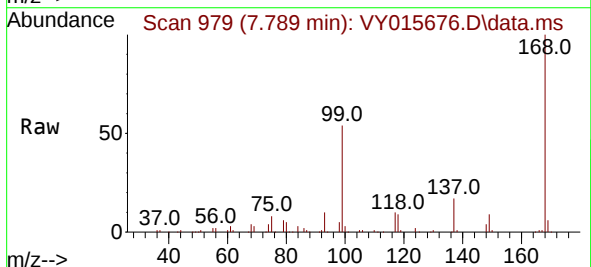
Instrument :
MSVOA_Y
ClientSampleId :

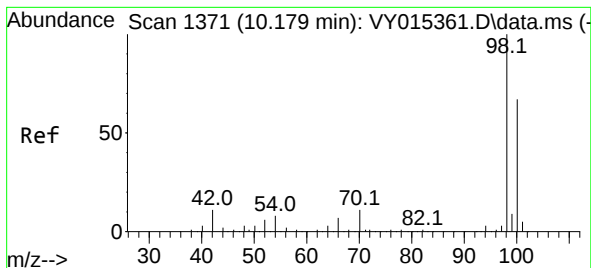
Tgt Ion: 75 Resp: 9947
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.118 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY015676.D
Acq: 21 Sep 2023 17:33

Tgt Ion: 117 Resp: 12947
Ion Ratio Lower Upper
117 100
119 5.6 76.4 114.6#
121 0.0 25.8 38.6#

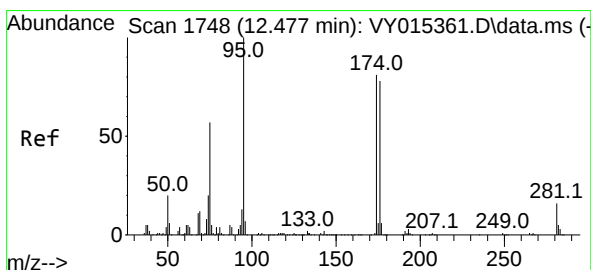
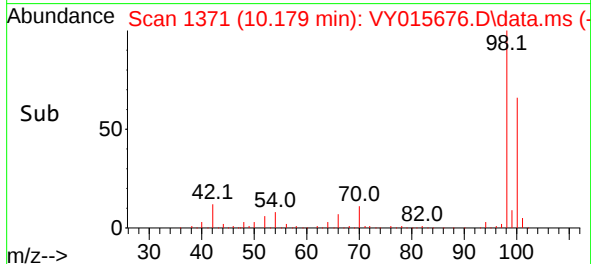
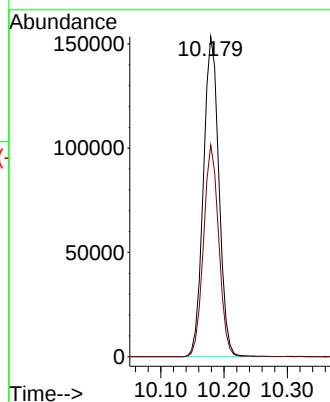
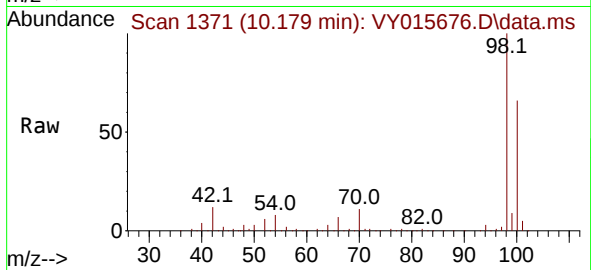




#50
Toluene-d8
Concen: 58.736 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015676.D
Acq: 21 Sep 2023 17:33

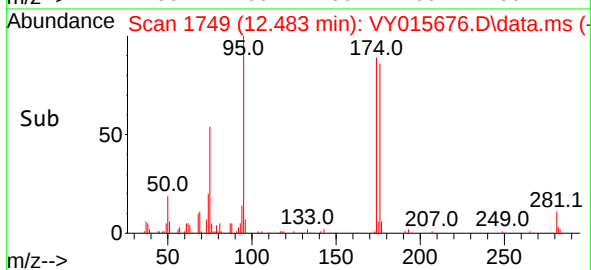
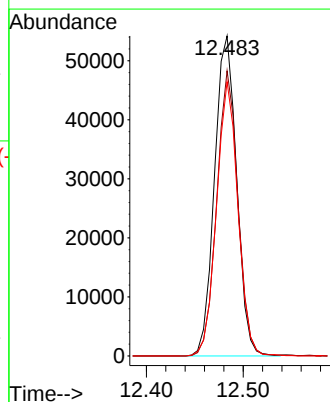
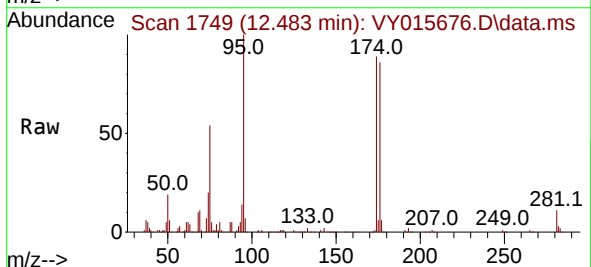
Instrument :
MSVOA_Y
ClientSampleId :

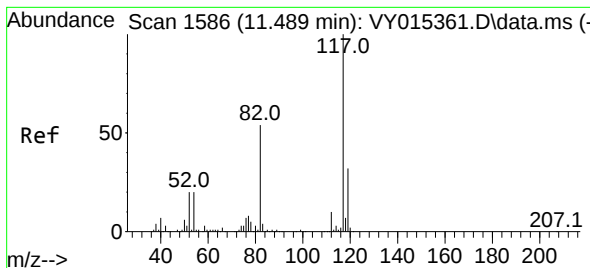
Tgt Ion: 98 Resp: 262594
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.048 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015676.D
Acq: 21 Sep 2023 17:33

Tgt Ion: 95 Resp: 86053
Ion Ratio Lower Upper
95 100
174 85.6 0.0 178.2
176 82.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY015676.D

Acq: 21 Sep 2023 17:33

Instrument :

MSVOA_Y

ClientSampleId :

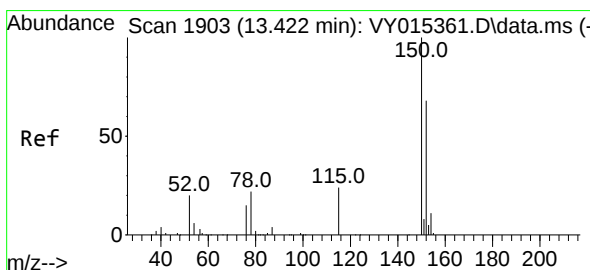
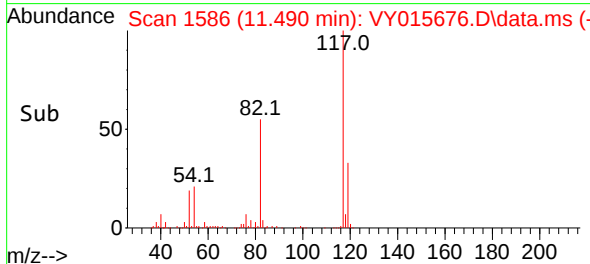
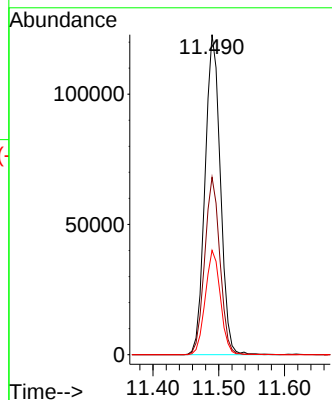
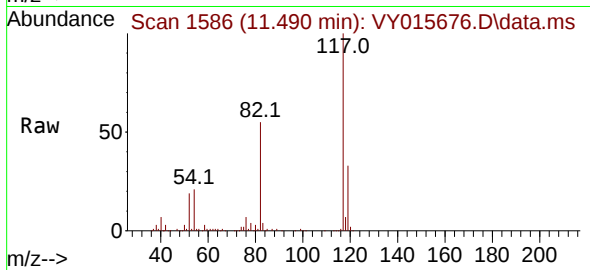
Tgt Ion:117 Resp: 199435

Ion Ratio Lower Upper

117 100

82 55.5 43.4 65.0

119 32.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015676.D

Acq: 21 Sep 2023 17:33

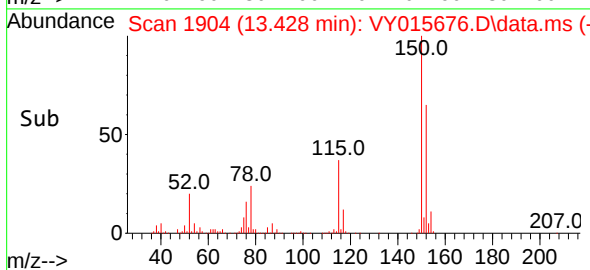
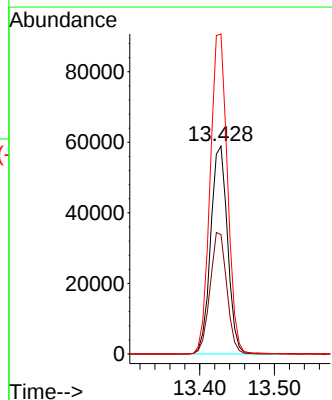
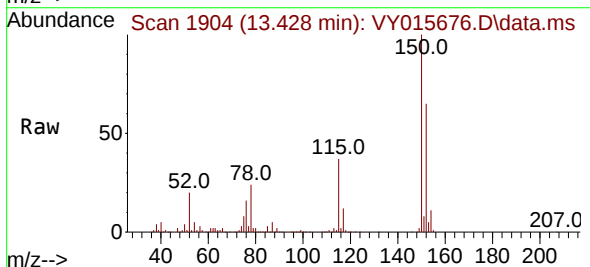
Tgt Ion:152 Resp: 92459

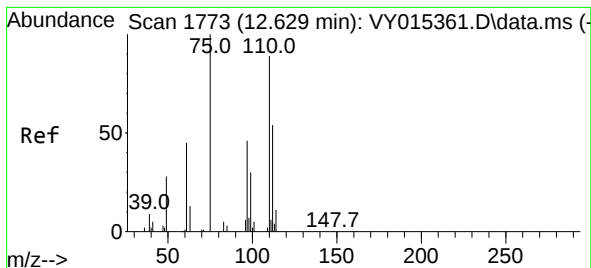
Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 157.5 0.0 348.8

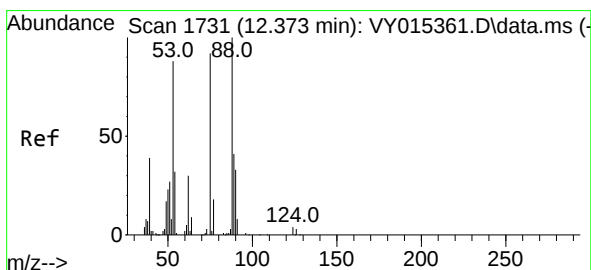
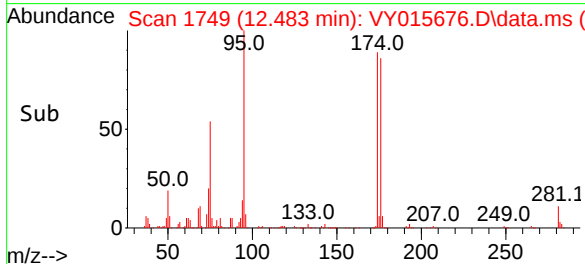
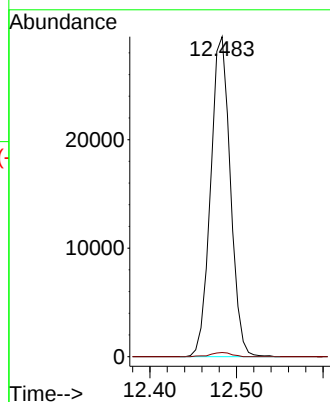
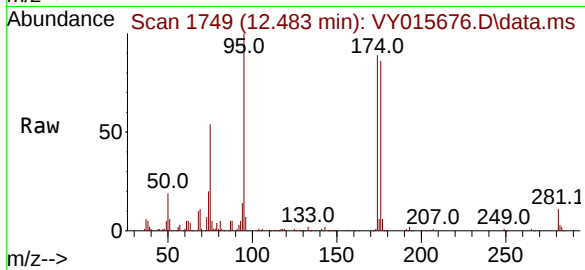




#76
1,2,3-Trichloropropane
Concen: 31.636 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015676.D
Acq: 21 Sep 2023 17:33

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 46664
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.241 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY015676.D
Acq: 21 Sep 2023 17:33

Tgt Ion: 75 Resp: 46664
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

