

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092123\
 Data File : VY015674.D
 Acq On : 21 Sep 2023 16:46
 Operator : SY/MD
 Sample : 04567-05
 Misc : 6.16g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 22 01:21:25 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)

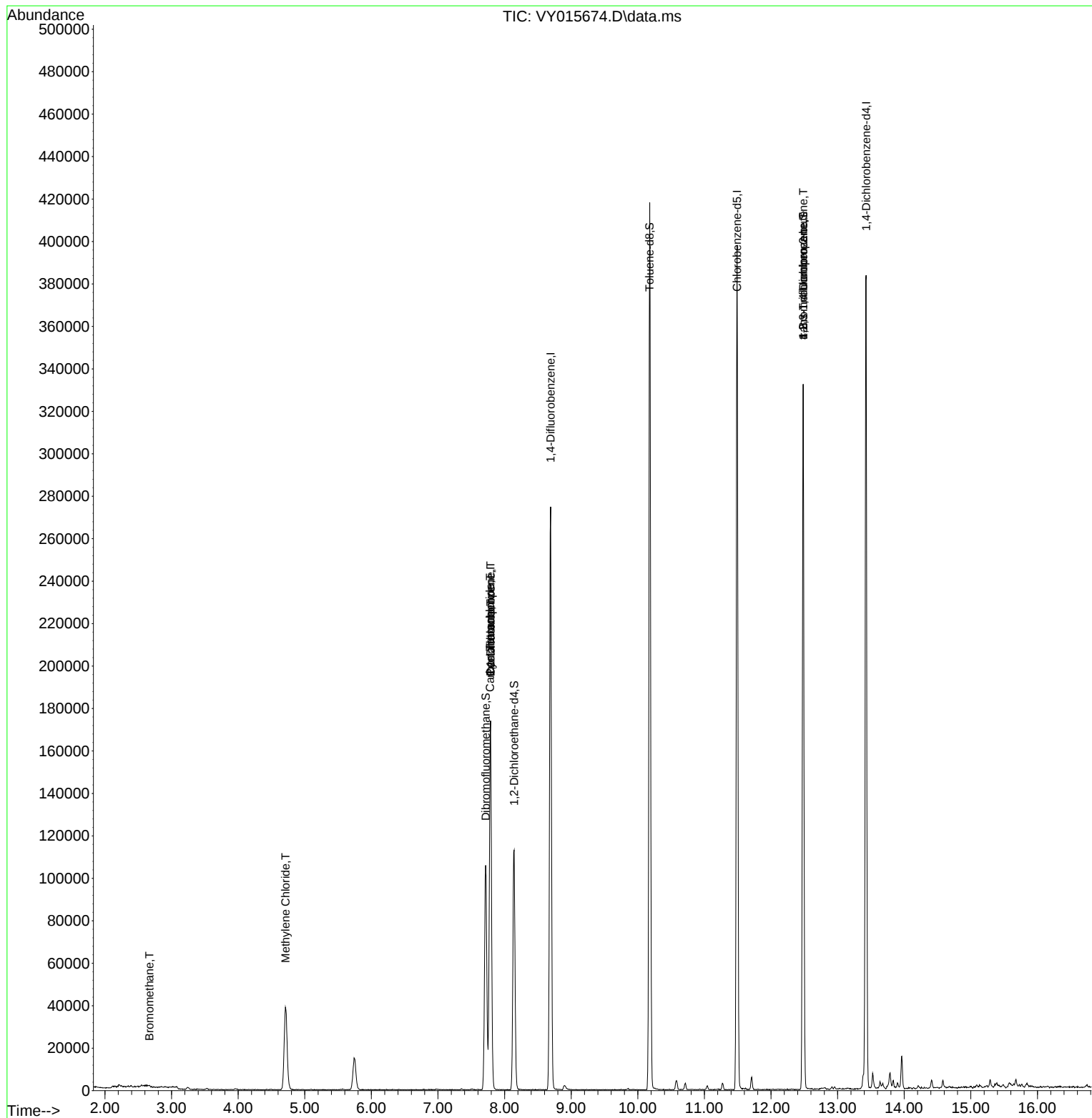
Internal Standards						
1) Pentafluorobenzene	7.789	168	135249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	233942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	213852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	100683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	89092	59.869	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.740%			
35) Dibromofluoromethane	7.716	113	75766	54.110	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.220%			
50) Toluene-d8	10.179	98	273024	57.507	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 115.020%			
62) 4-Bromofluorobenzene	12.483	95	93557	50.215	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.420%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	199	2.705	ug/l #	19
11) Tert butyl alcohol	4.954	59	40	Below Cal	#	89
20) Methylene Chloride	4.710	84	30524	14.019	ug/l	96
31) Cyclohexane	7.789	56	2857	1.386	ug/l #	23
36) 1,1-Dichloropropene	7.789	75	10332	4.990	ug/l #	50
38) Carbon Tetrachloride	7.783	117	13525	6.018	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	49810	31.011	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49810	69.833	ug/l #	11

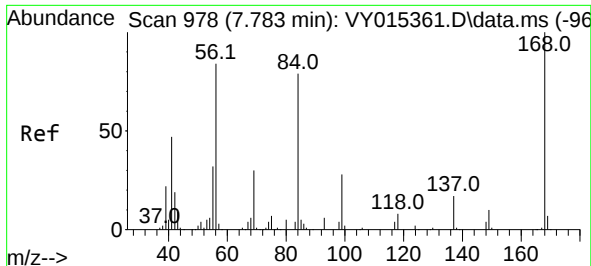
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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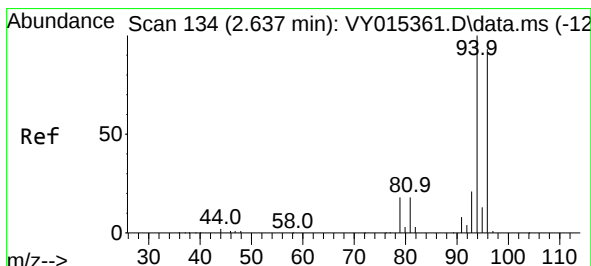
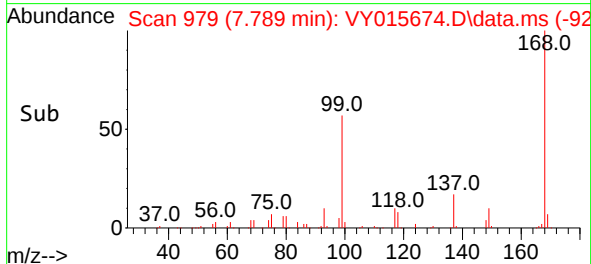
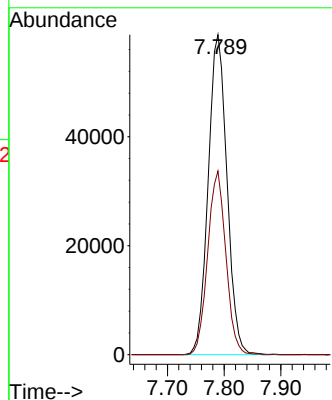
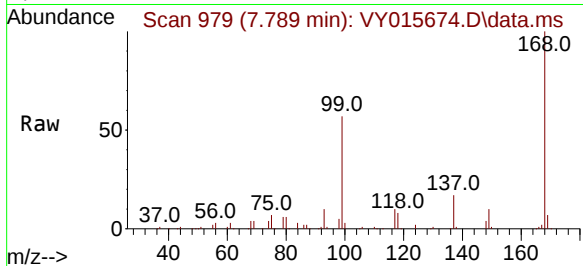




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015674.D
Acq: 21 Sep 2023 16:46

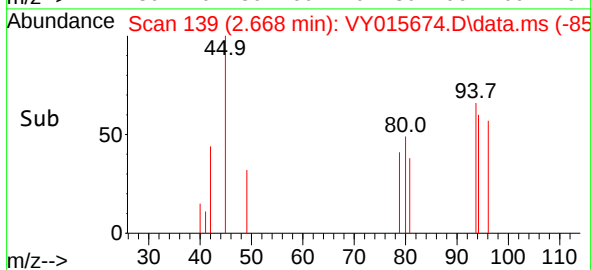
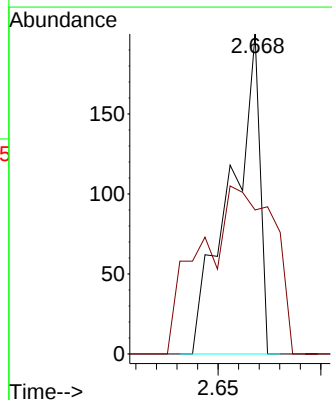
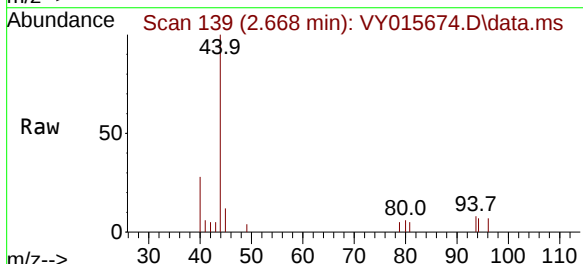
Instrument :
MSVOA_Y
ClientSampleId :

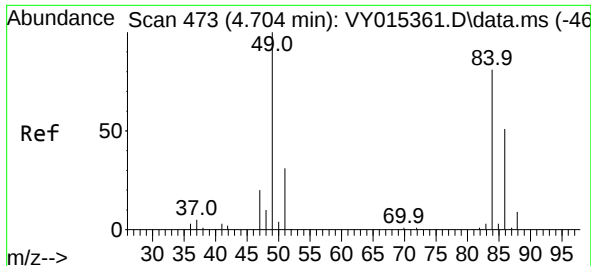
Tgt Ion:168 Resp: 135249
Ion Ratio Lower Upper
168 100
99 57.4 43.4 65.0



#5
Bromomethane
Concen: 2.705 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.031 min
Lab File: VY015674.D
Acq: 21 Sep 2023 16:46

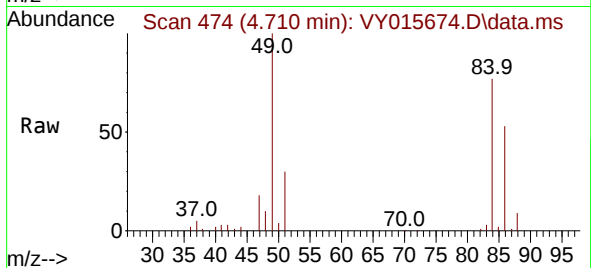
Tgt Ion: 94 Resp: 199
Ion Ratio Lower Upper
94 100
96 16.0 75.8 113.6#





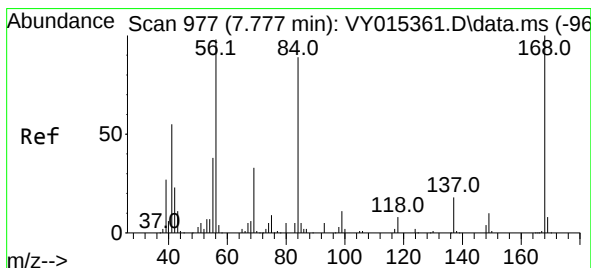
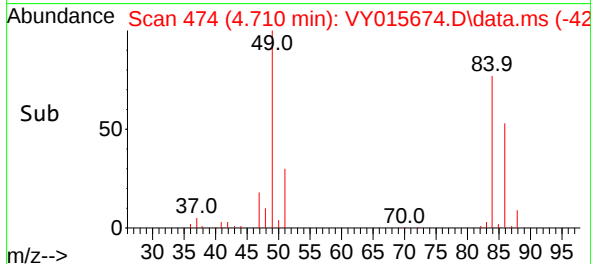
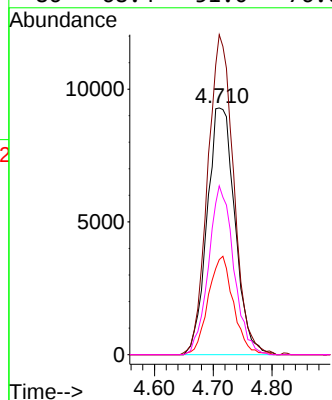
#20
Methylene Chloride
Concen: 14.019 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015674.D
Acq: 21 Sep 2023 16:46

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 30524

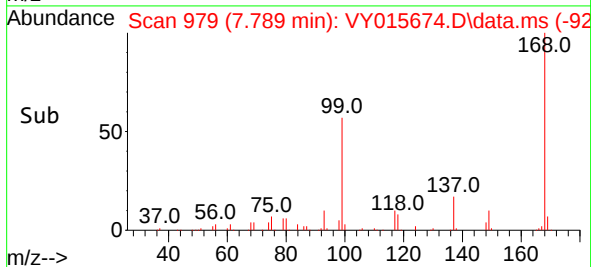
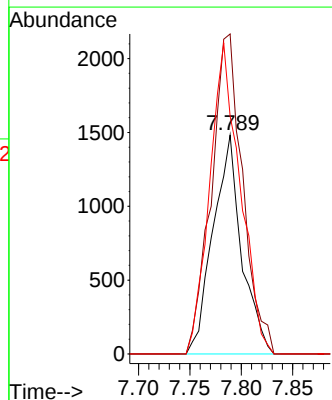
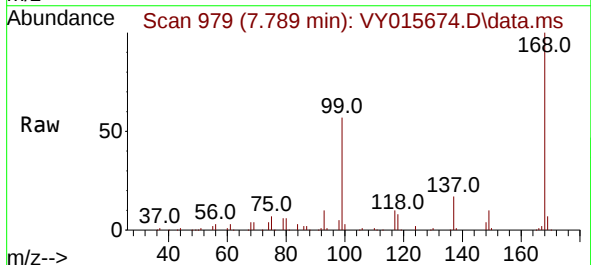
Ion	Ratio	Lower	Upper
84	100		
49	129.7	106.9	160.3
51	38.6	33.2	49.8
86	68.4	51.0	76.6

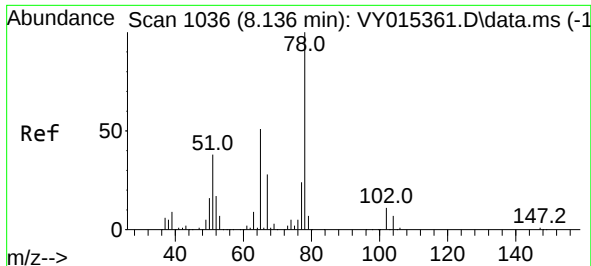


#31
Cyclohexane
Concen: 1.386 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY015674.D
Acq: 21 Sep 2023 16:46

Tgt Ion: 56 Resp: 2857

Ion	Ratio	Lower	Upper
56	100		
69	146.2	27.8	41.6#
84	108.6	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 59.869 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY015674.D

Acq: 21 Sep 2023 16:46

Instrument :

MSVOA_Y

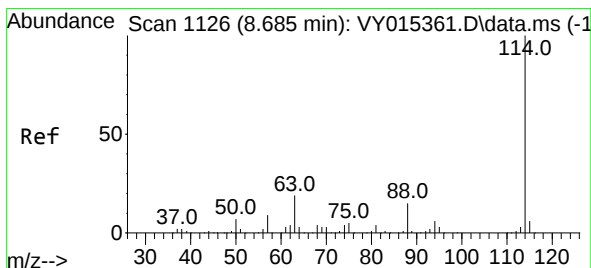
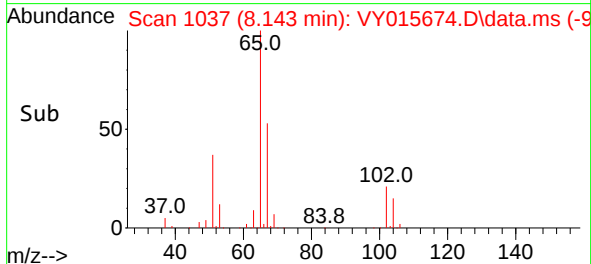
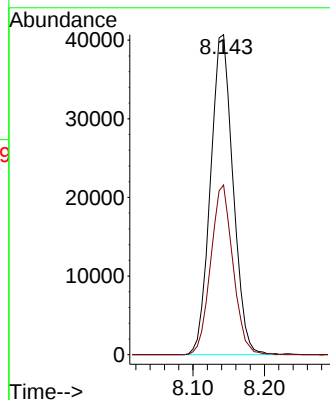
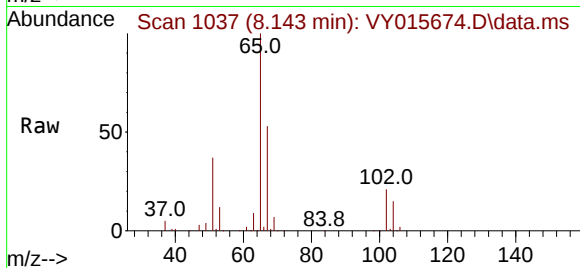
ClientSampleId :

Tgt Ion: 65 Resp: 89092

Ion Ratio Lower Upper

65 100

67 52.4 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: VY015674.D

Acq: 21 Sep 2023 16:46

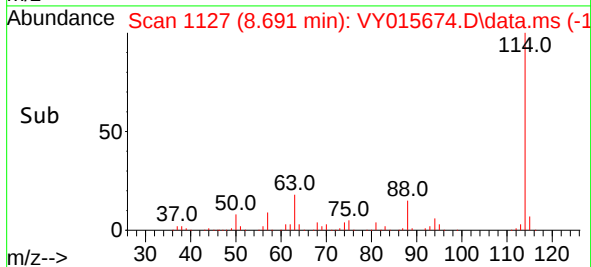
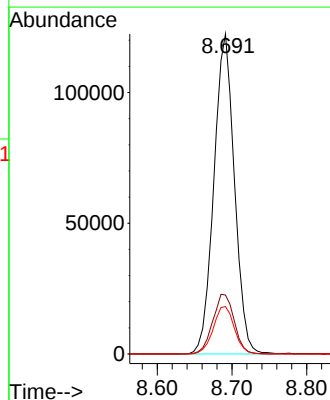
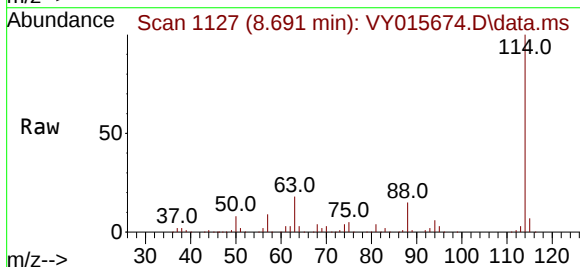
Tgt Ion: 114 Resp: 233942

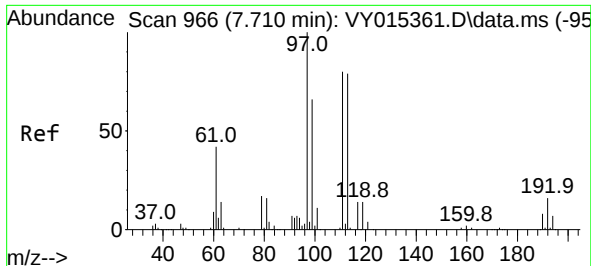
Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 14.8 0.0 30.6

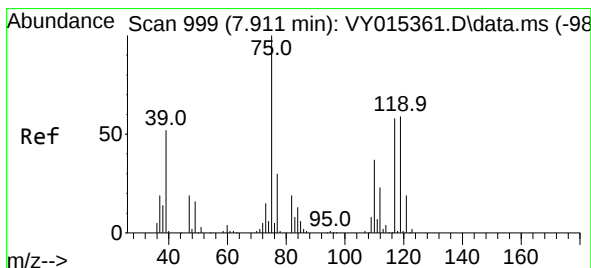
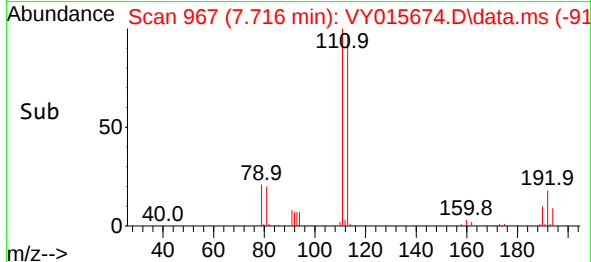
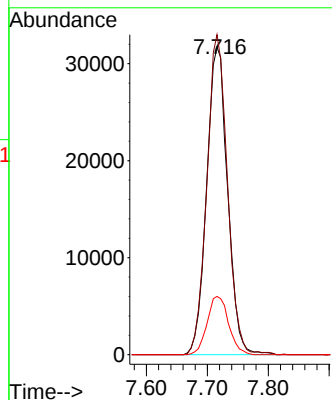
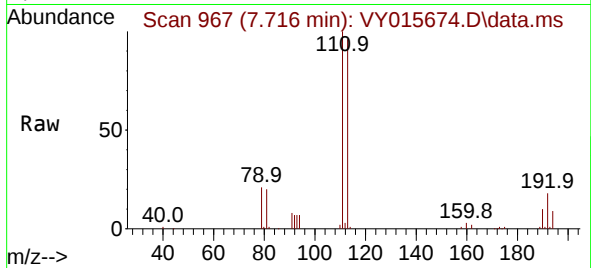




#35
Dibromofluoromethane
Concen: 54.110 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY015674.D
Acq: 21 Sep 2023 16:46

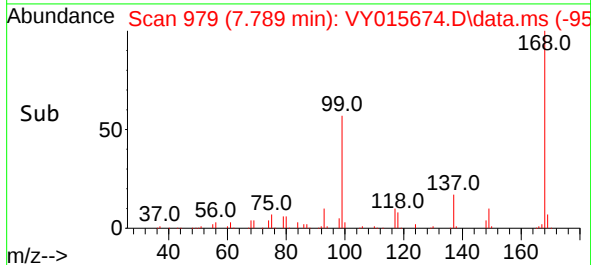
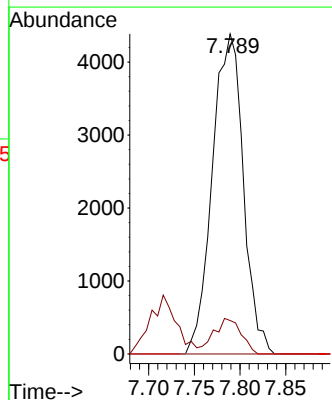
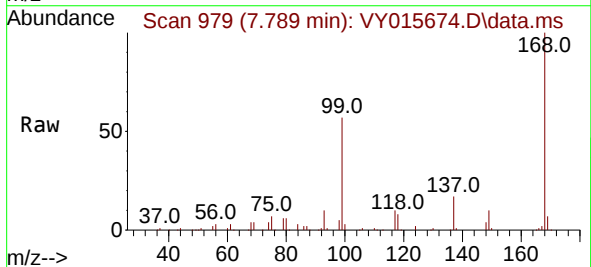
Instrument :
MSVOA_Y
ClientSampleId :

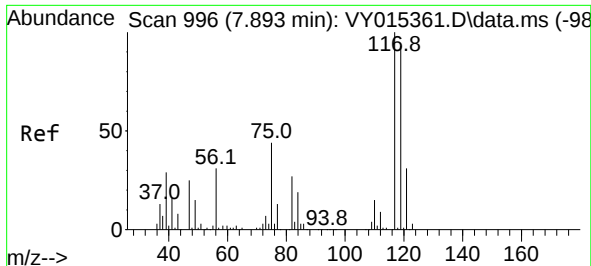
Tgt Ion:113 Resp: 75766
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.990 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015674.D
Acq: 21 Sep 2023 16:46

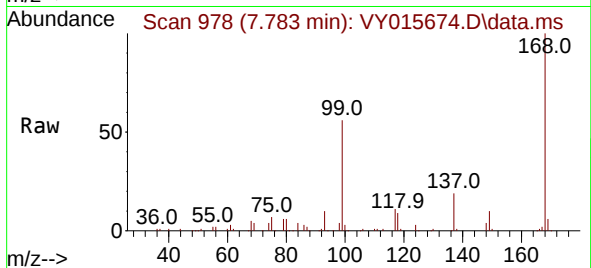
Tgt Ion: 75 Resp: 10332
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#



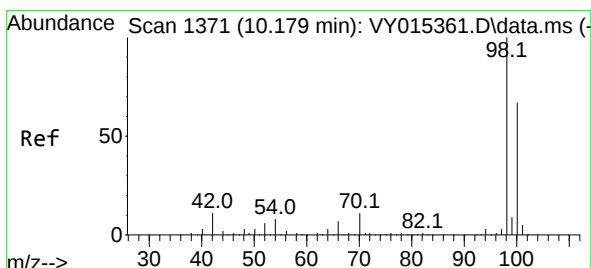
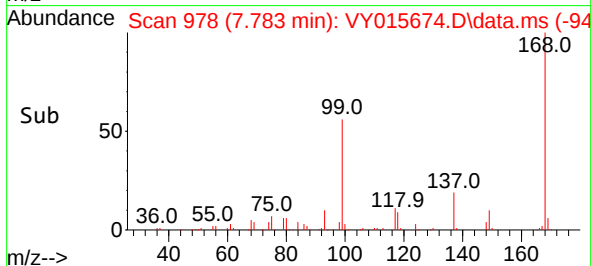
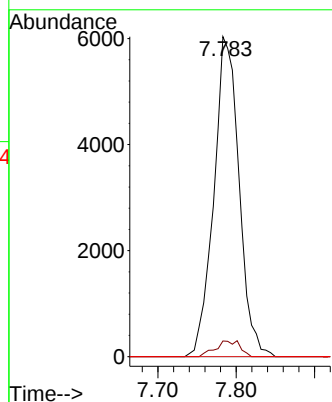


#38
Carbon Tetrachloride
Concen: 6.018 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015674.D
Acq: 21 Sep 2023 16:46

Instrument :
MSVOA_Y
ClientSampleId :

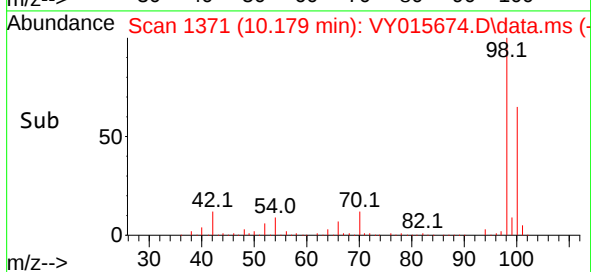
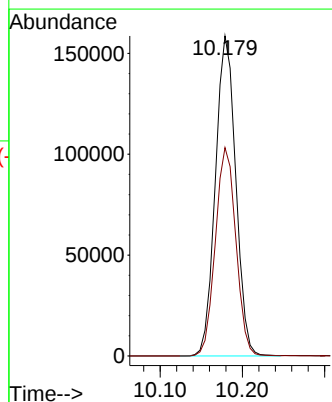
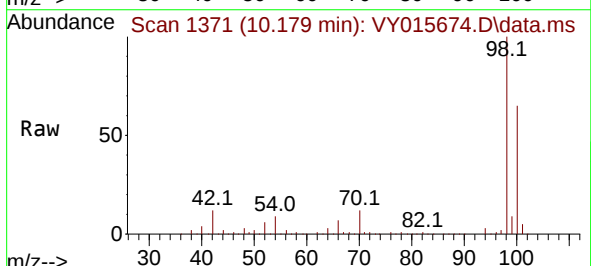


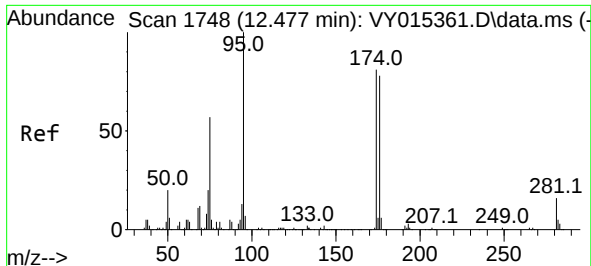
Tgt Ion:117 Resp: 13525
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 57.507 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015674.D
Acq: 21 Sep 2023 16:46

Tgt Ion: 98 Resp: 273024
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 50.215 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015674.D

Acq: 21 Sep 2023 16:46

Instrument :

MSVOA_Y

ClientSampleId :

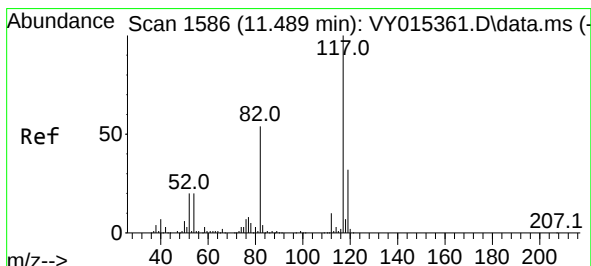
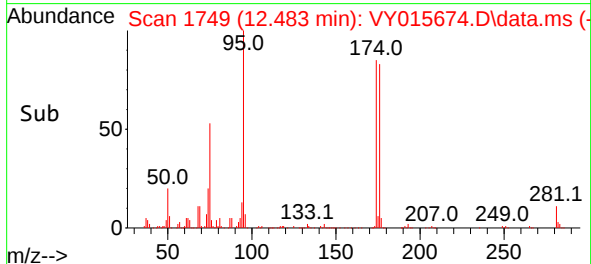
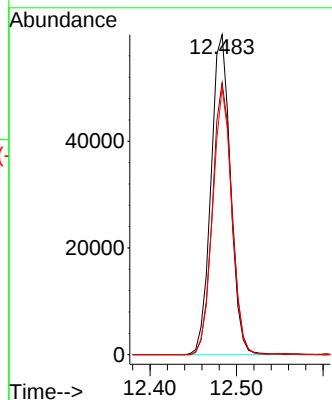
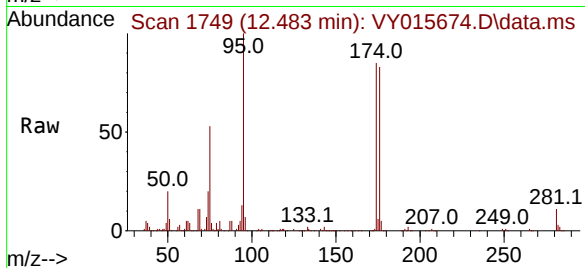
Tgt Ion: 95 Resp: 93557

Ion Ratio Lower Upper

95 100

174 85.1 0.0 178.2

176 81.9 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: VY015674.D

Acq: 21 Sep 2023 16:46

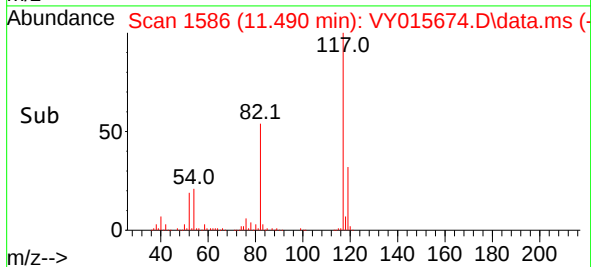
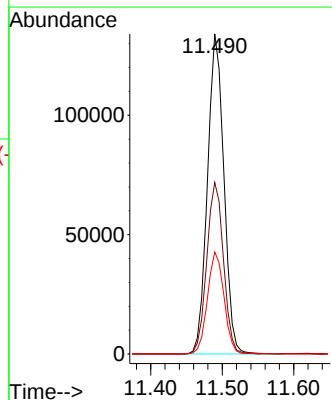
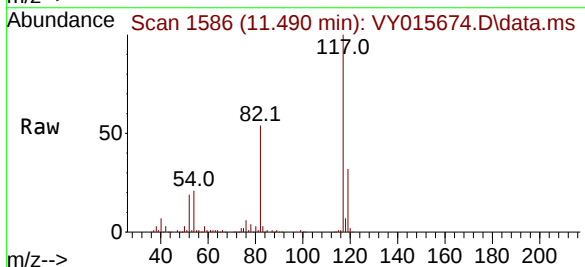
Tgt Ion: 117 Resp: 213852

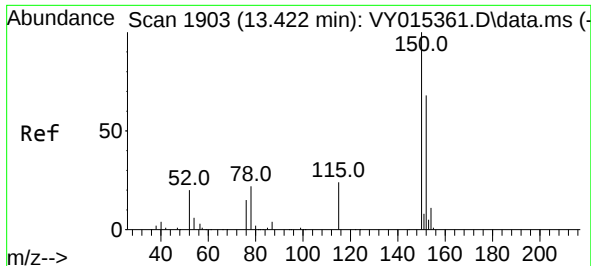
Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.0

119 31.9 26.3 39.5

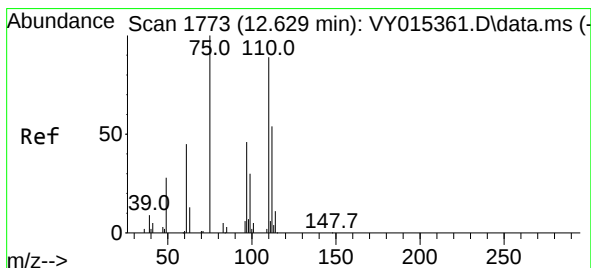
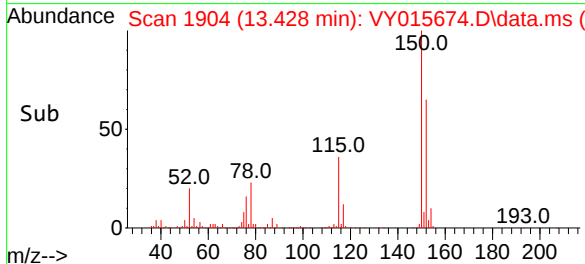
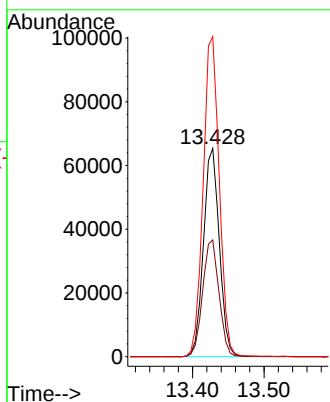
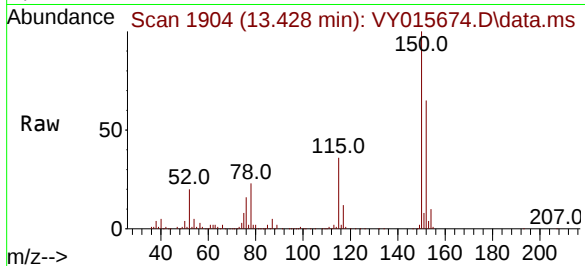




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY015674.D
 Acq: 21 Sep 2023 16:46

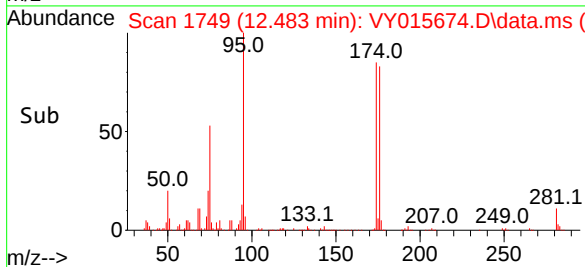
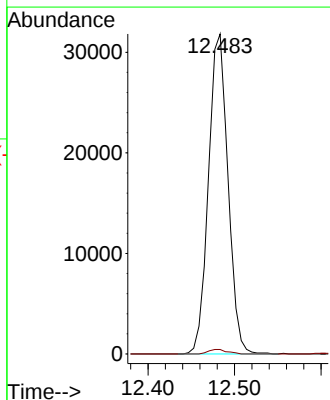
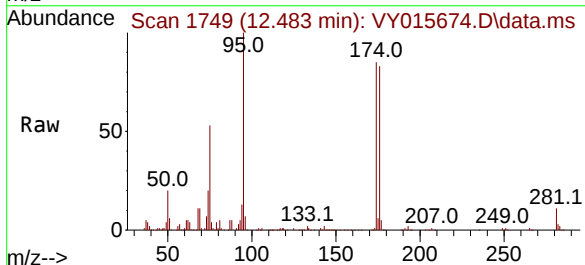
Instrument :
 MSVOA_Y
 ClientSampleId :

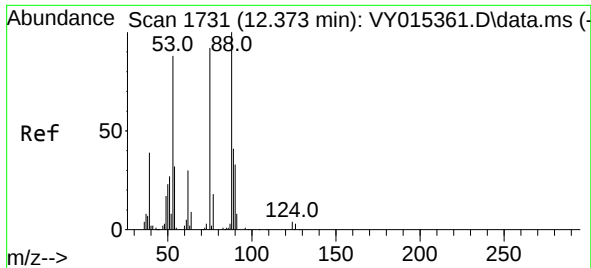
Tgt Ion:152 Resp: 100683
 Ion Ratio Lower Upper
 152 100
 115 57.6 28.8 86.5
 150 155.9 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 31.011 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY015674.D
 Acq: 21 Sep 2023 16:46

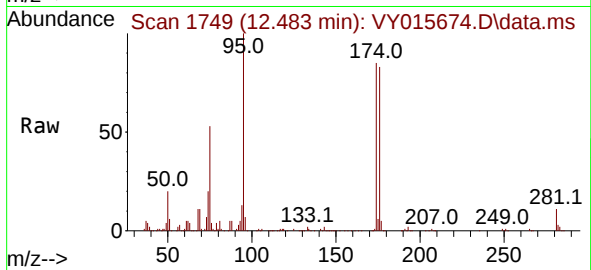
Tgt Ion: 75 Resp: 49810
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 69.833 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY015674.D
Acq: 21 Sep 2023 16:46

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	75	Resp:	49810
Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.2	37.4	56.0#

