

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013025\
 Data File : VY020989.D
 Acq On : 30 Jan 2025 16:34
 Operator : SY/MD
 Sample : Q1207-09
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 04:42:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 02:19:37 2025
 Response via : Initial Calibration

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

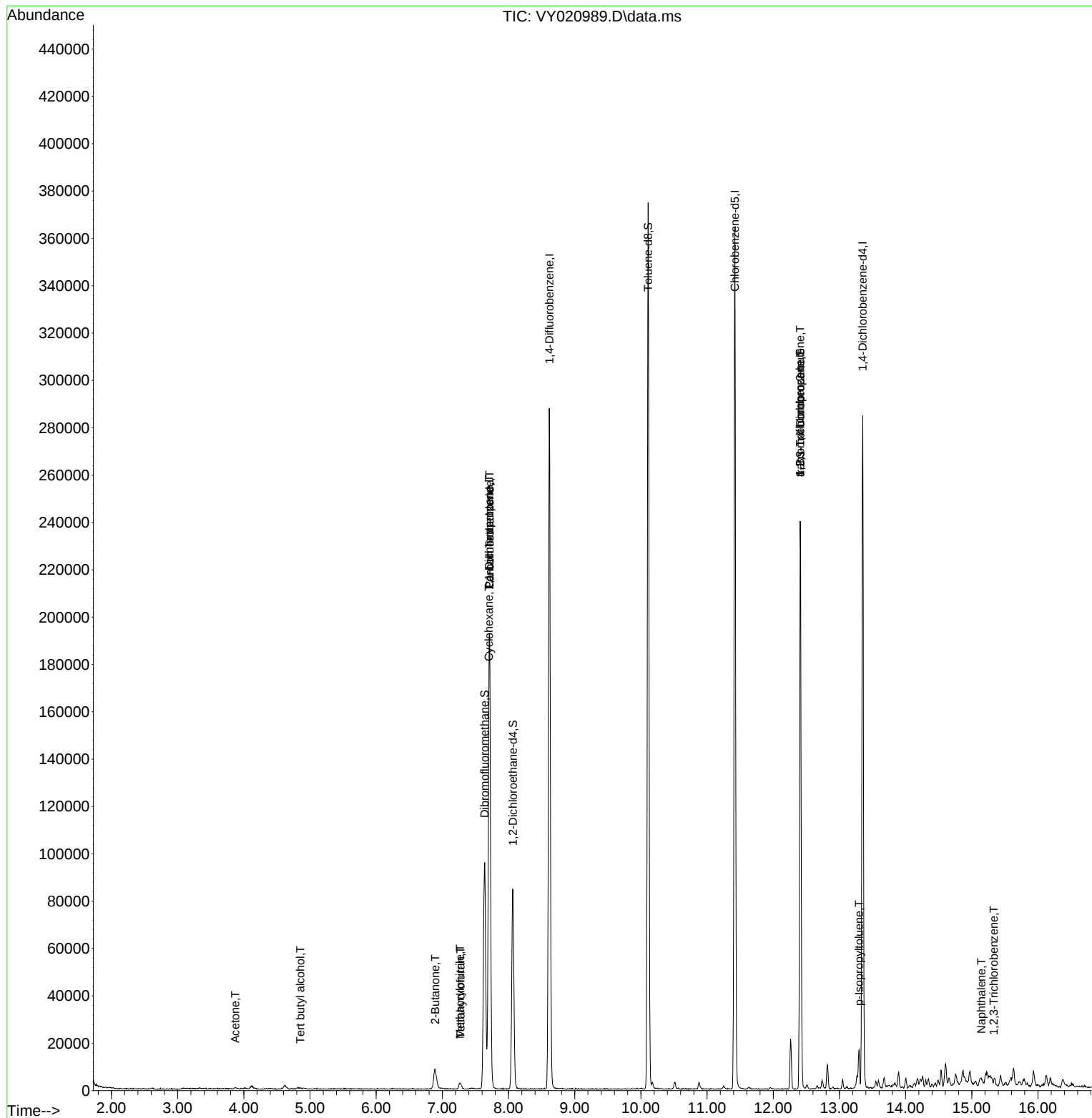
Internal Standards						
1) Pentafluorobenzene	7.713	168	160424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	253728	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	201099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	76657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	69278	50.721	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	101.440%	
35) Dibromofluoromethane	7.640	113	69479	45.549	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	91.100%	
50) Toluene-d8	10.109	98	248200	41.689	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	83.380%	
62) 4-Bromofluorobenzene	12.408	95	72930	36.506	ug/l	0.00
Spiked Amount	50.000	Range 29 - 146	Recovery	=	73.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	623	6.244	ug/l #	73
16) Acetone	3.873	43	892	4.792	ug/l #	82
25) 2-Butanone	6.890	43	555	1.757	ug/l #	44
29) Tetrahydrofuran	7.274	42	2141	10.075	ug/l	94
31) Cyclohexane	7.701	56	2635	1.097	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	10783	4.955	ug/l #	51
38) Carbon Tetrachloride	7.713	117	15491	5.752	ug/l #	18
41) Methacrylonitrile	7.268	41	1184	2.638	ug/l #	43
76) 1,2,3-Trichloropropane	12.408	75	36389	59.965	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	36389	124.477	ug/l #	15
86) p-Isopropyltoluene	13.298	119	8916	1.832	ug/l	93
95) Naphthalene	15.145	128	2318	4.913	ug/l	96
96) 1,2,3-Trichlorobenzene	15.334	180	41	4.526	ug/l #	1

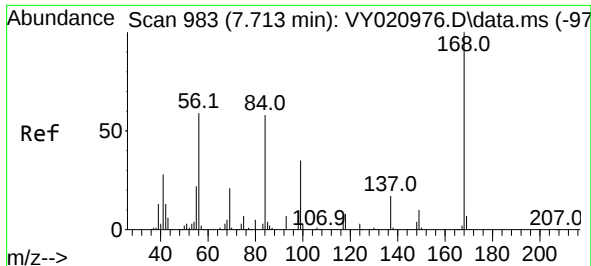
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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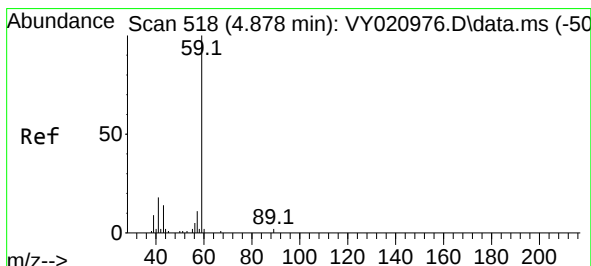
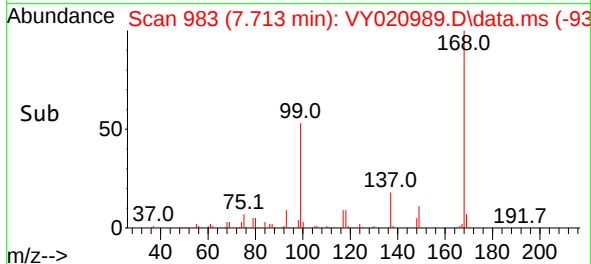
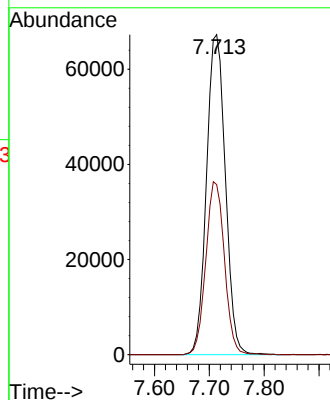
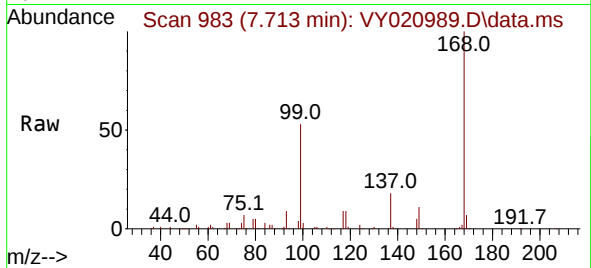




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020989.D
Acq: 30 Jan 2025 16:34

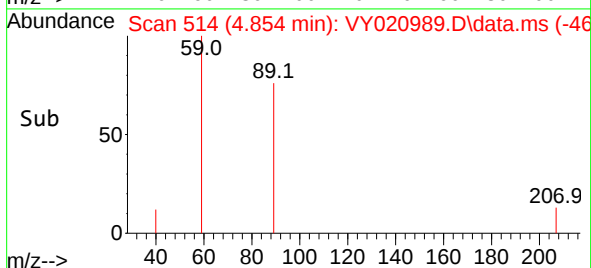
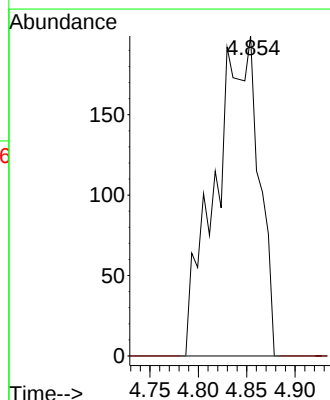
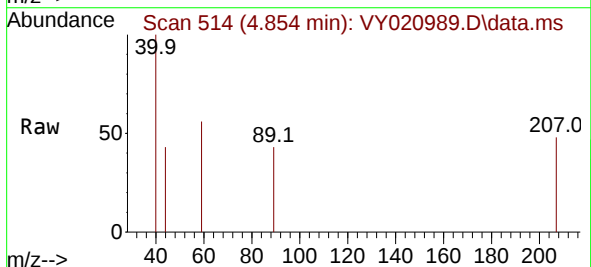
Instrument :
MSVOA_Y
ClientSampleId :

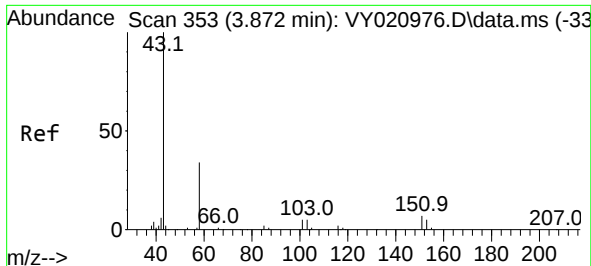
Tgt Ion:168 Resp: 160424
Ion Ratio Lower Upper
168 100
99 53.1 42.2 63.2



#11
Tert butyl alcohol
Concen: 6.244 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY020989.D
Acq: 30 Jan 2025 16:34

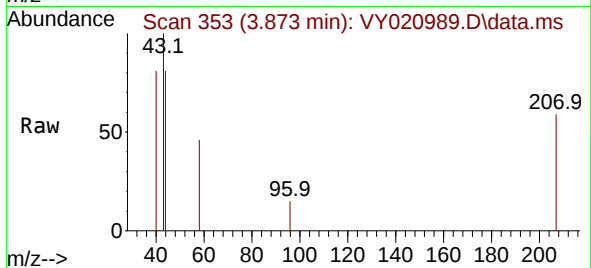
Tgt Ion: 59 Resp: 623
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



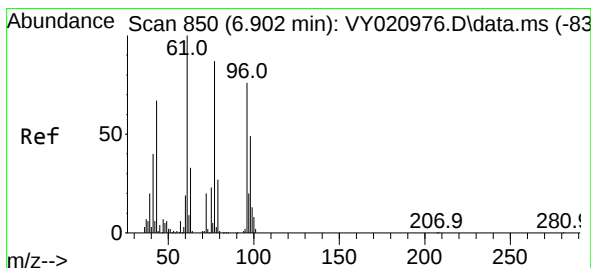
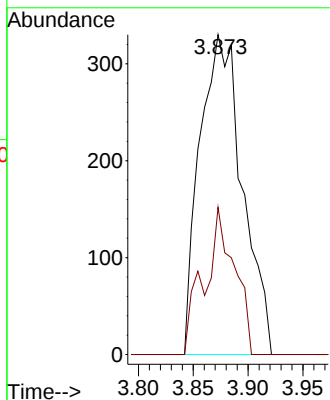
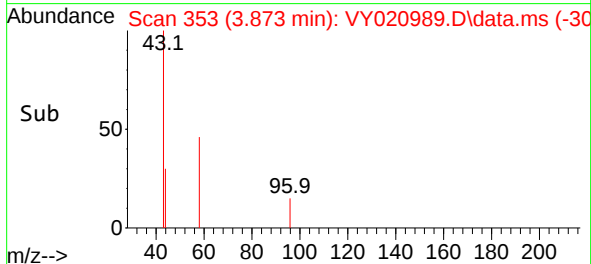


#16
Acetone
Concen: 4.792 ug/l
RT: 3.873 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY020989.D
Acq: 30 Jan 2025 16:34

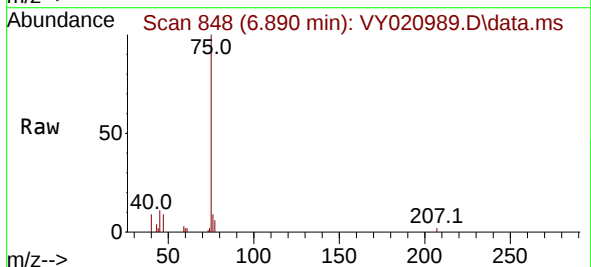
Instrument :
MSVOA_Y
ClientSampleId :



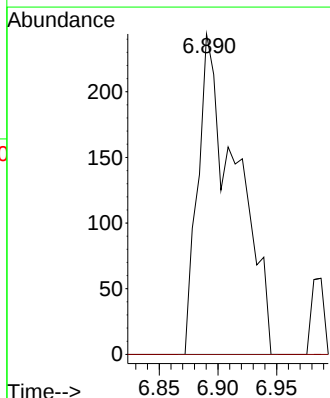
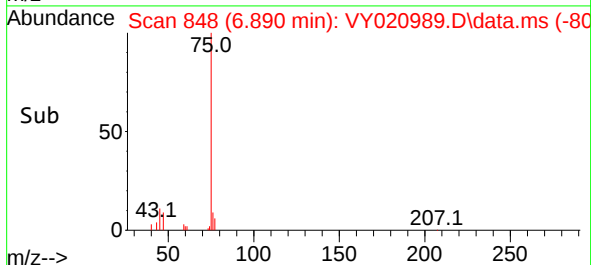
Tgt Ion: 43 Resp: 892
Ion Ratio Lower Upper
43 100
58 46.1 28.4 42.6#

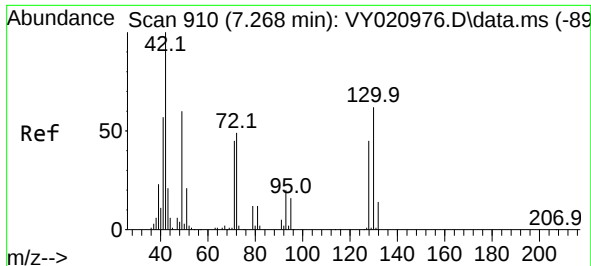


#25
2-Butanone
Concen: 1.757 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY020989.D
Acq: 30 Jan 2025 16:34



Tgt Ion: 43 Resp: 555
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#





#29

Tetrahydrofuran

Concen: 10.075 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.006 min

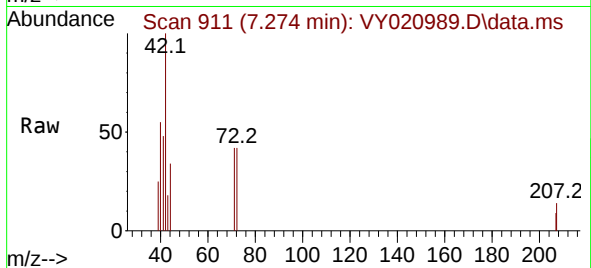
Lab File: VY020989.D

Acq: 30 Jan 2025 16:34

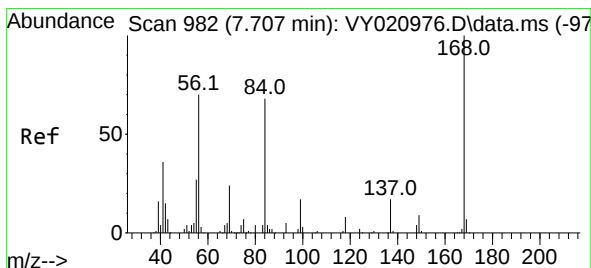
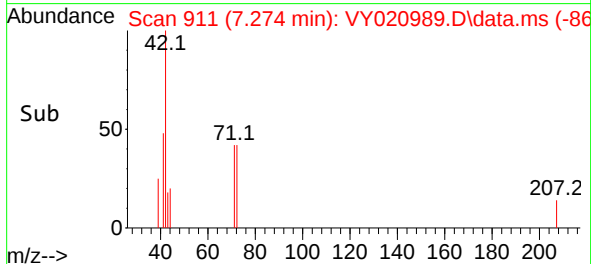
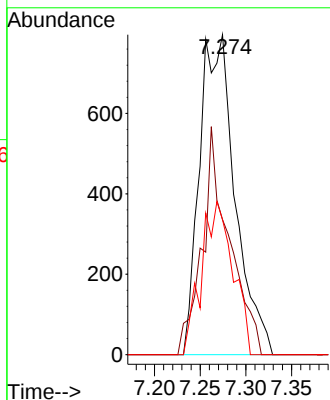
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	2141
Ion	Ratio	Lower	Upper
42	100		
72	54.3	39.3	58.9
71	42.7	36.1	54.1



#31

Cyclohexane

Concen: 1.097 ug/l

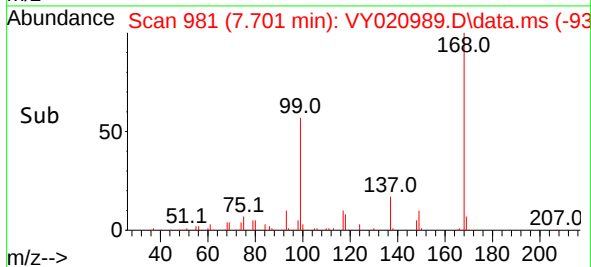
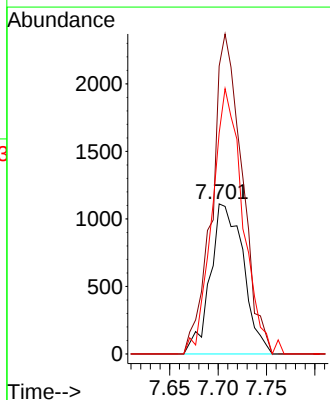
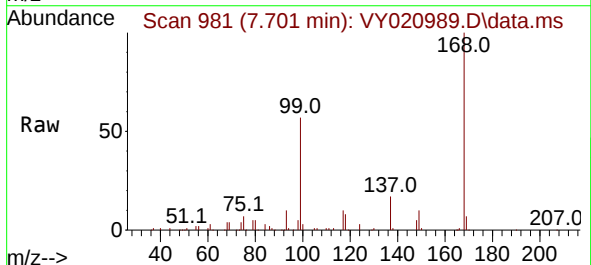
RT: 7.701 min Scan# 981

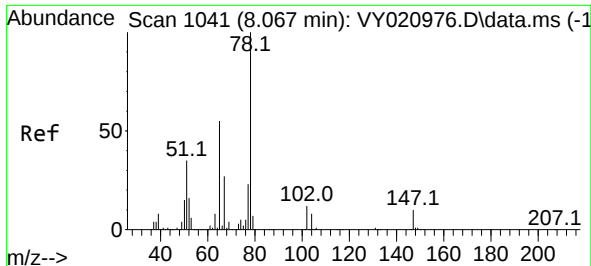
Delta R.T. -0.006 min

Lab File: VY020989.D

Acq: 30 Jan 2025 16:34

Tgt Ion:	56	Resp:	2635
Ion	Ratio	Lower	Upper
56	100		
69	191.7	27.7	41.5#
84	147.1	77.5	116.3#





#33

1,2-Dichloroethane-d4

Concen: 50.721 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY020989.D

Acq: 30 Jan 2025 16:34

Instrument :

MSVOA_Y

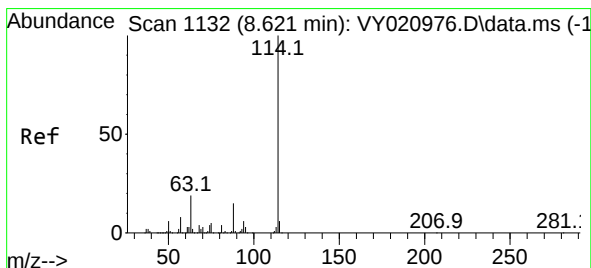
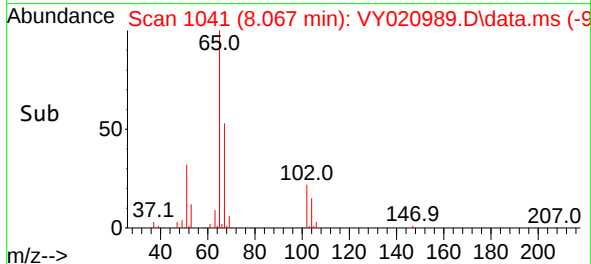
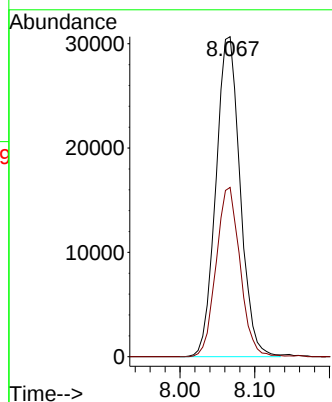
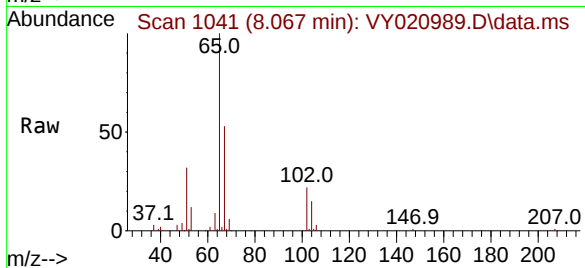
ClientSampleId :

Tgt Ion: 65 Resp: 69278

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY020989.D

Acq: 30 Jan 2025 16:34

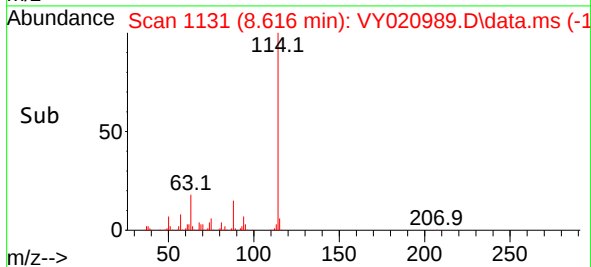
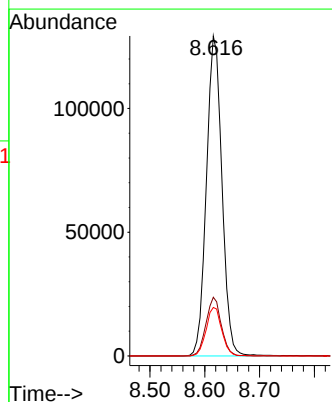
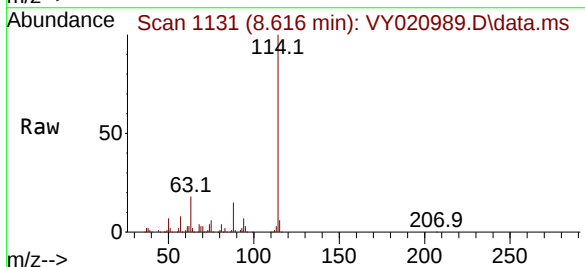
Tgt Ion: 114 Resp: 253728

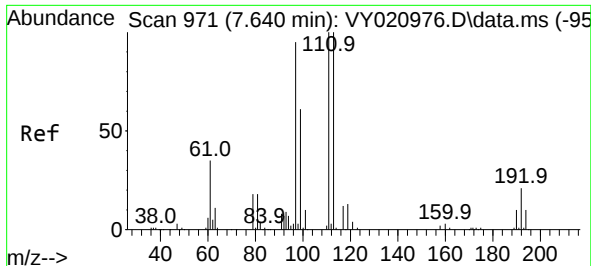
Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.2

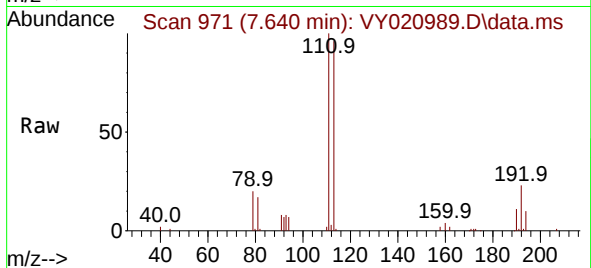
88 15.1 0.0 29.6



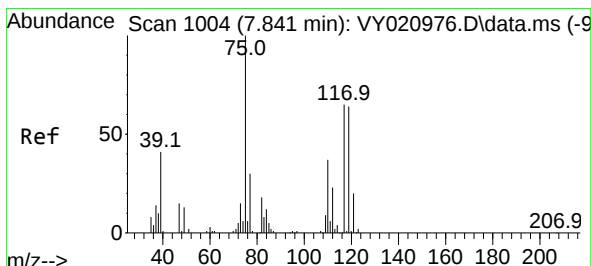
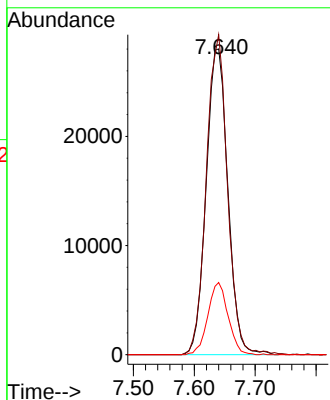
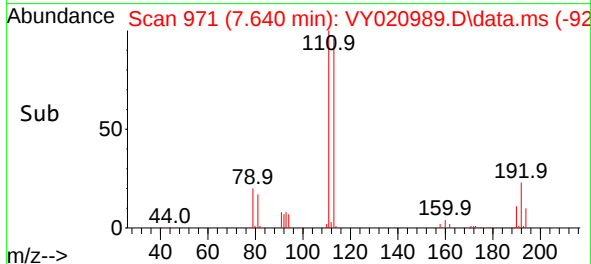


#35
Dibromofluoromethane
Concen: 45.549 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020989.D
Acq: 30 Jan 2025 16:34

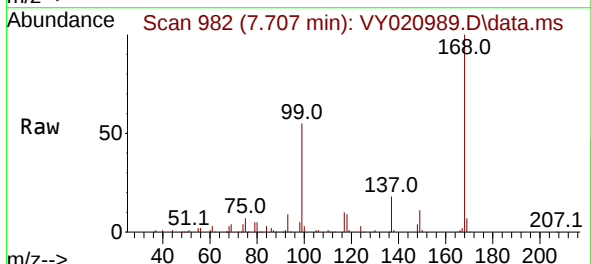
Instrument :
MSVOA_Y
ClientSampleId :



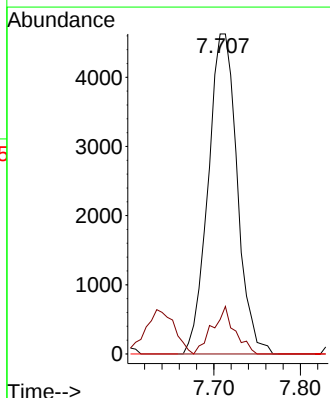
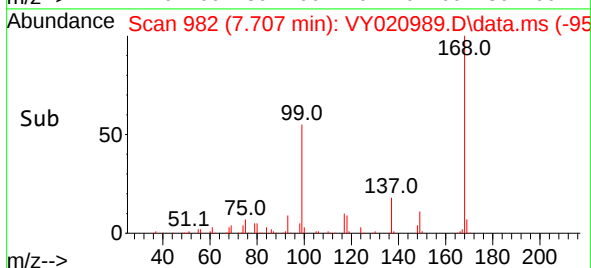
Tgt Ion:113 Resp: 69479
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 21.9 16.8 25.2

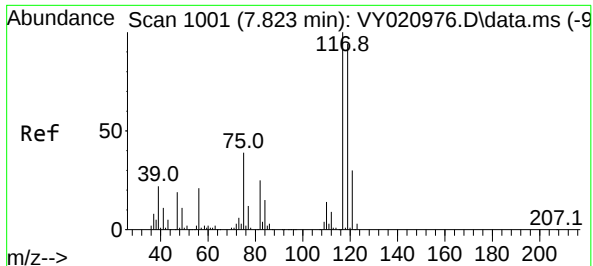


#36
1,1-Dichloropropene
Concen: 4.955 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY020989.D
Acq: 30 Jan 2025 16:34



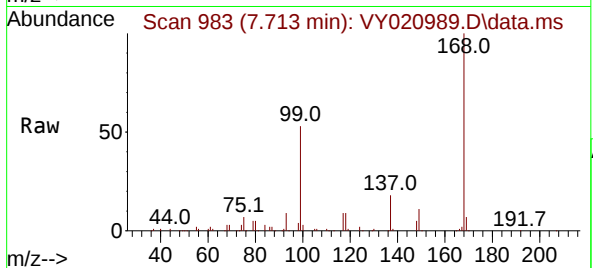
Tgt Ion: 75 Resp: 10783
Ion Ratio Lower Upper
75 100
110 11.4 18.4 55.2#
77 0.0 24.9 37.3#



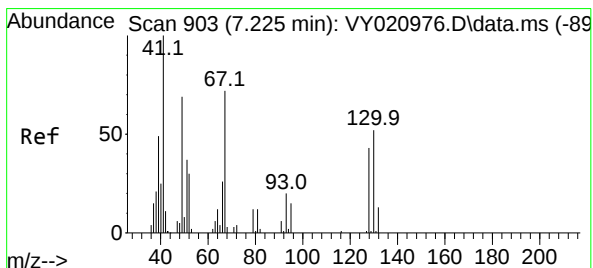
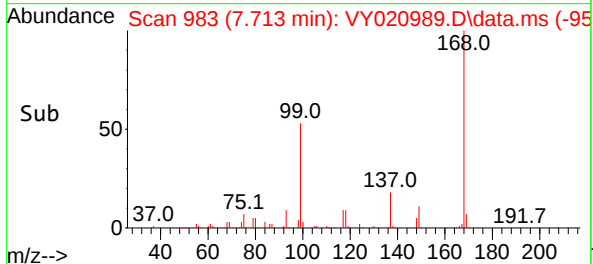
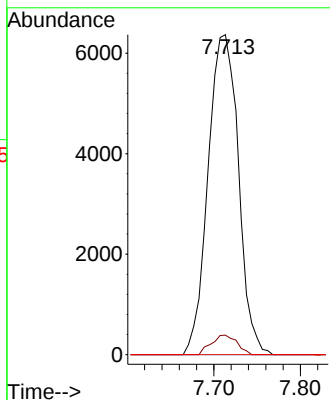


#38
Carbon Tetrachloride
Concen: 5.752 ug/l
RT: 7.713 min Scan# 910
Delta R.T. -0.109 min
Lab File: VY020989.D
Acq: 30 Jan 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :

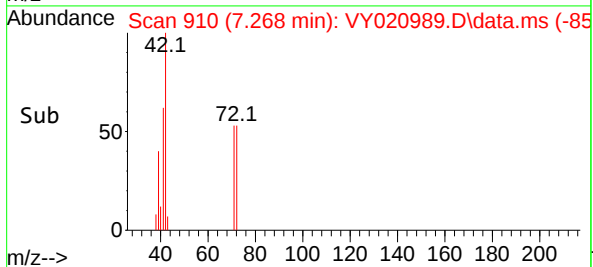
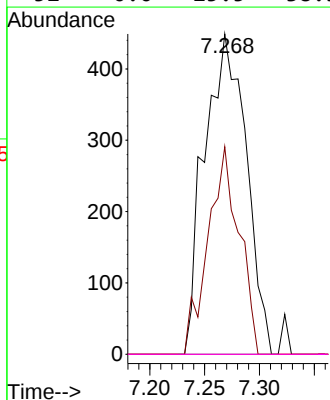
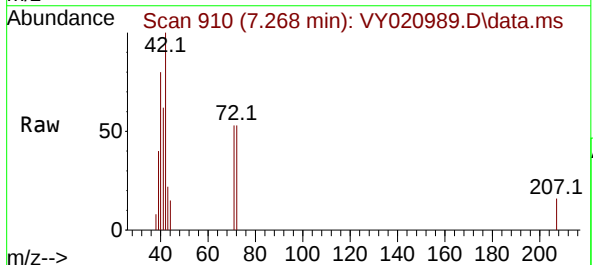


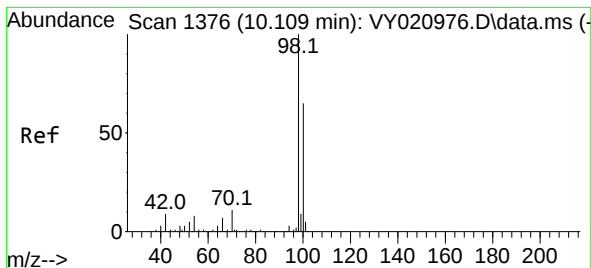
Tgt Ion: 117 Resp: 15491
Ion Ratio Lower Upper
117 100
119 6.1 75.0 112.6#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 2.638 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.043 min
Lab File: VY020989.D
Acq: 30 Jan 2025 16:34

Tgt Ion: 41 Resp: 1184
Ion Ratio Lower Upper
41 100
39 48.6 41.6 62.4
67 0.0 63.8 95.6#
52 0.0 25.5 38.3#

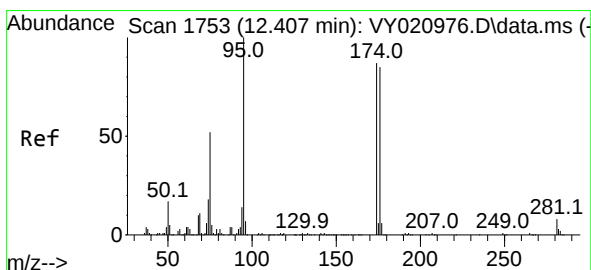
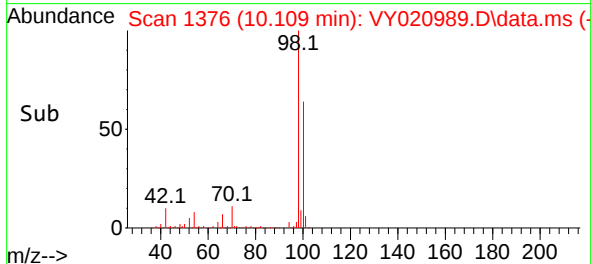
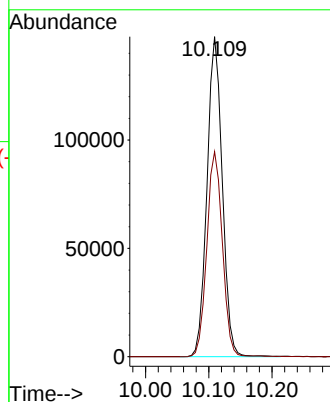
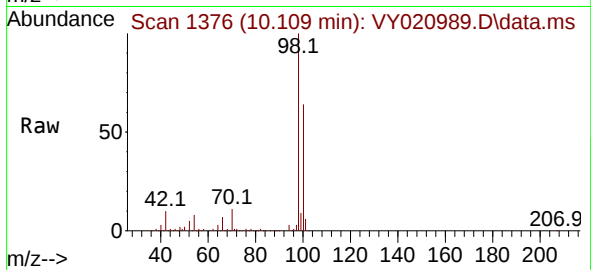




#50
Toluene-d8
Concen: 41.689 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020989.D
Acq: 30 Jan 2025 16:34

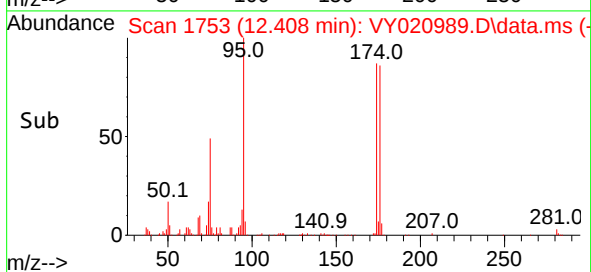
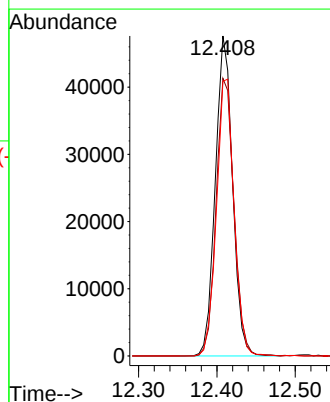
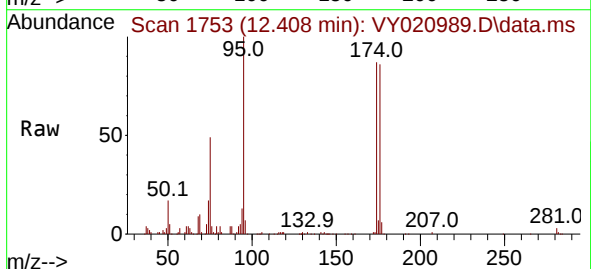
Instrument :
MSVOA_Y
ClientSampleId :

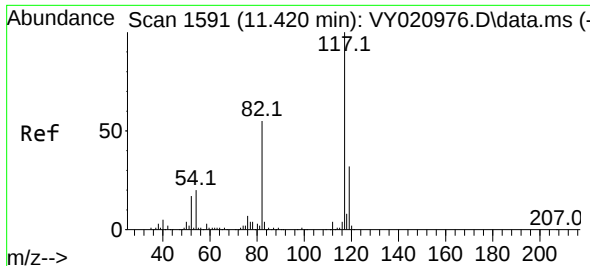
Tgt Ion: 98 Resp: 248200
Ion Ratio Lower Upper
98 100
100 65.3 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 36.506 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020989.D
Acq: 30 Jan 2025 16:34

Tgt Ion: 95 Resp: 72930
Ion Ratio Lower Upper
95 100
174 89.7 0.0 181.2
176 88.2 0.0 175.2

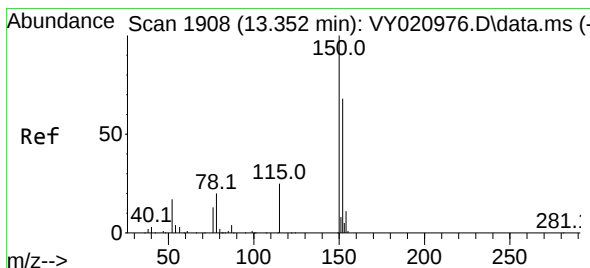
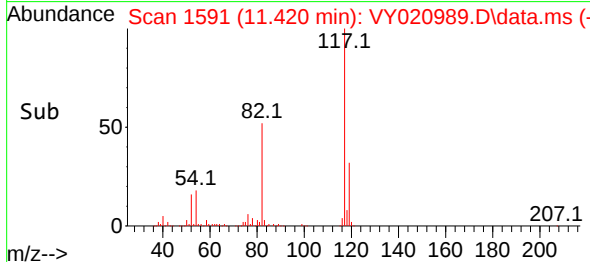
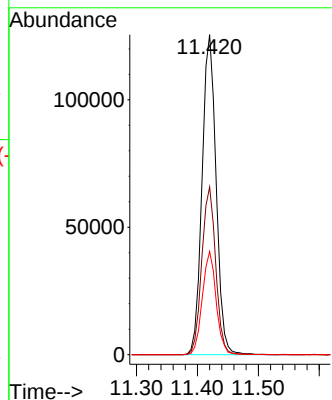
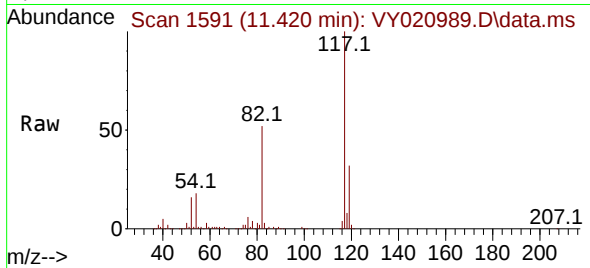




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020989.D
Acq: 30 Jan 2025 16:34

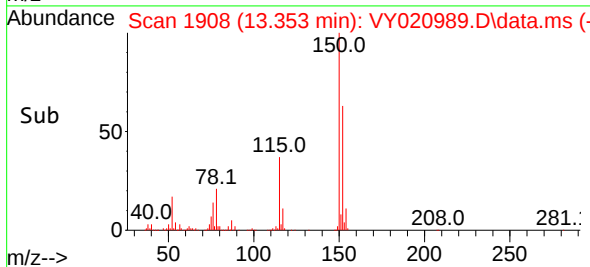
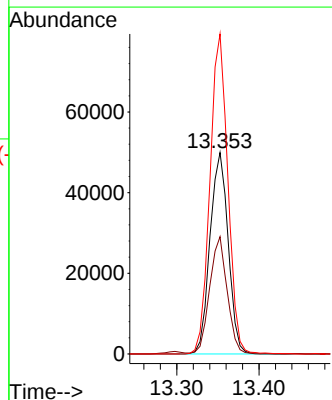
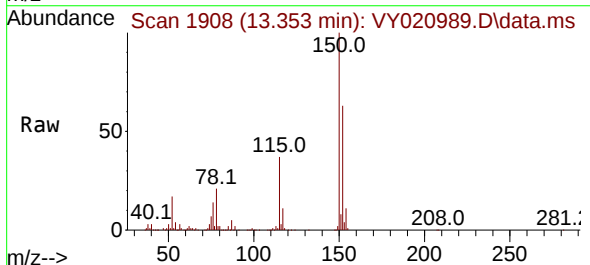
Instrument :
MSVOA_Y
ClientSampleId :

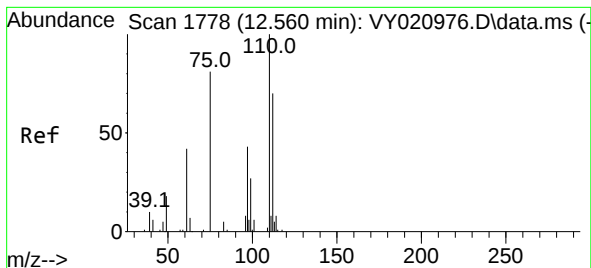
Tgt Ion:117 Resp: 201099
Ion Ratio Lower Upper
117 100
82 52.4 44.2 66.2
119 32.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020989.D
Acq: 30 Jan 2025 16:34

Tgt Ion:152 Resp: 76657
Ion Ratio Lower Upper
152 100
115 56.1 28.4 85.2
150 156.3 0.0 342.8

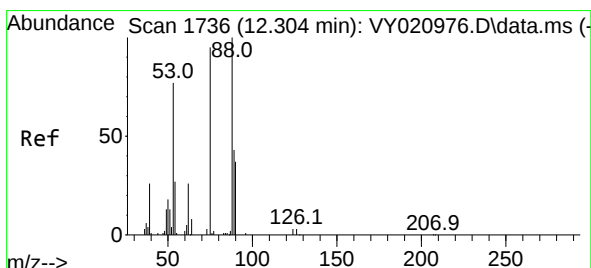
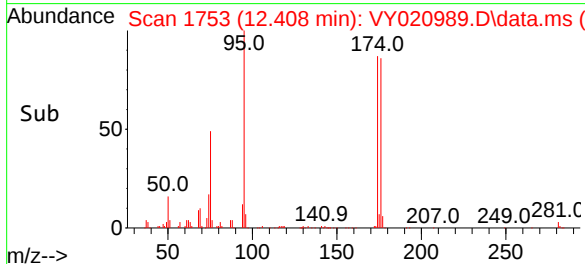
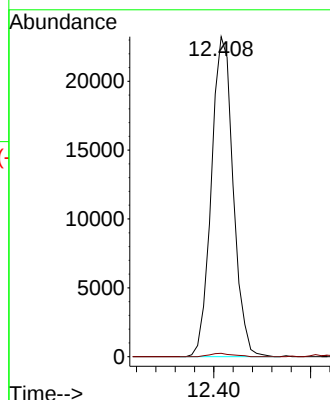
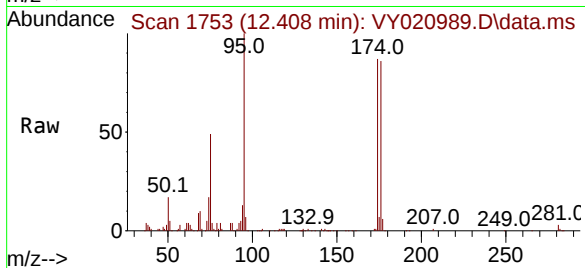




#76
1,2,3-Trichloropropane
Concen: 59.965 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY020989.D
Acq: 30 Jan 2025 16:34

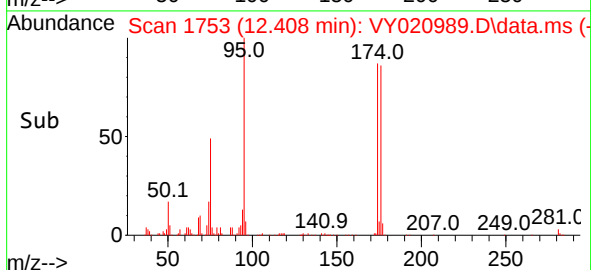
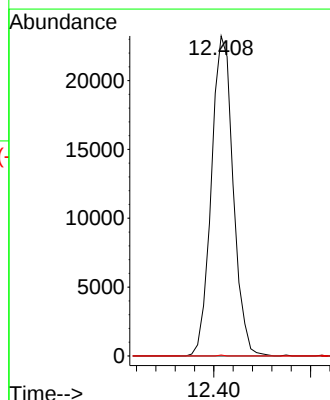
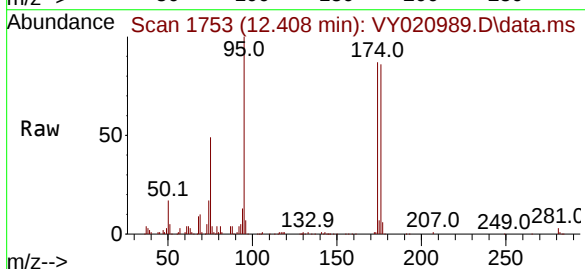
Instrument :
MSVOA_Y
ClientSampleId :

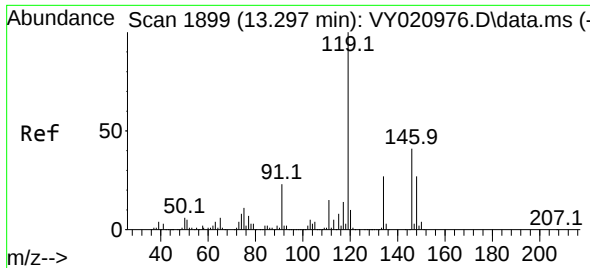
Tgt Ion: 75 Resp: 36389
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.477 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY020989.D
Acq: 30 Jan 2025 16:34

Tgt Ion: 75 Resp: 36389
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.1 38.1 57.1#

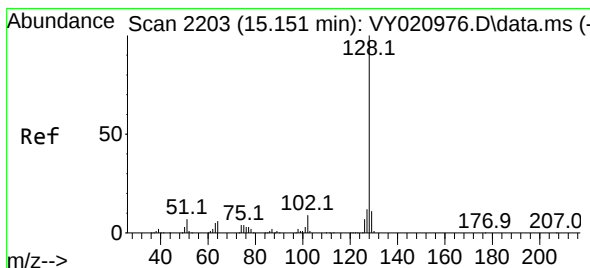
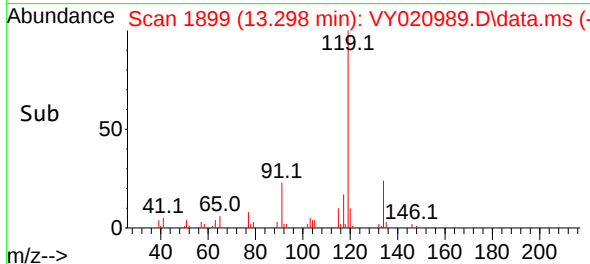
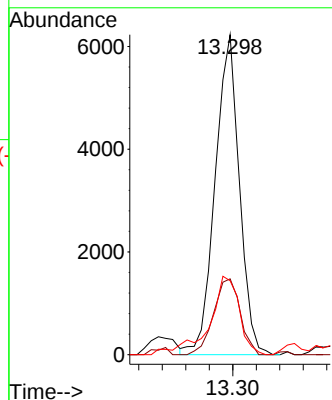
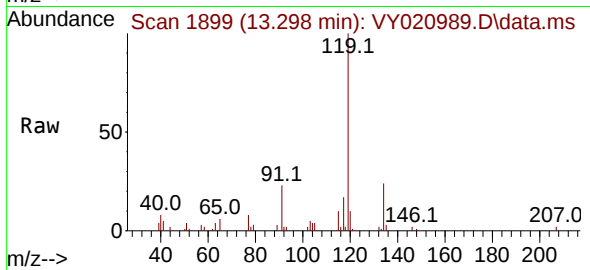




#86
 p-Isopropyltoluene
 Concen: 1.832 ug/l
 RT: 13.298 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VY020989.D
 Acq: 30 Jan 2025 16:34

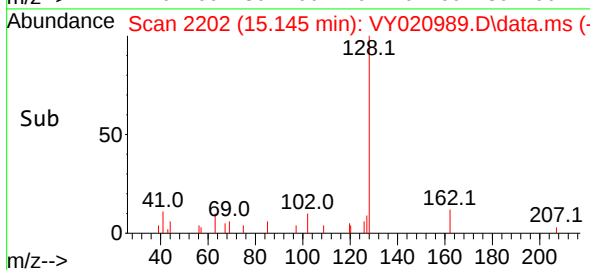
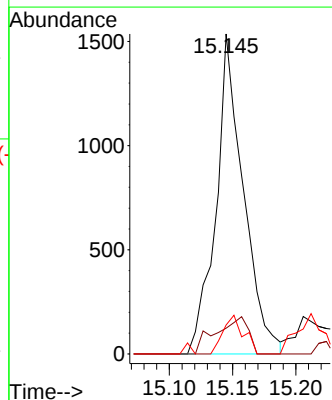
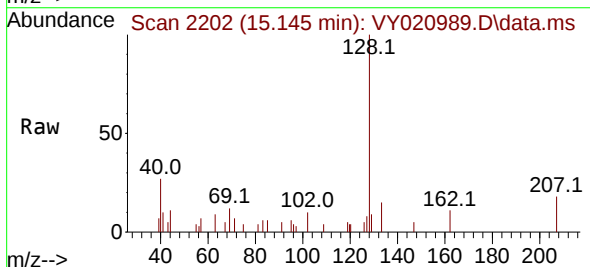
Instrument :
 MSVOA_Y
 ClientSampleId :

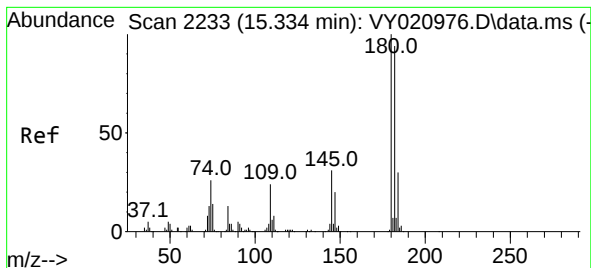
Tgt Ion:119	Resp:	8916
Ion	Ratio	Lower Upper
119	100	
134	25.9	13.1 39.3
91	30.3	11.5 34.5



#95
 Naphthalene
 Concen: 4.913 ug/l
 RT: 15.145 min Scan# 2202
 Delta R.T. -0.006 min
 Lab File: VY020989.D
 Acq: 30 Jan 2025 16:34

Tgt Ion:128	Resp:	2318
Ion	Ratio	Lower Upper
128	100	
127	13.7	10.2 15.4
129	9.0	8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 4.526 ug/l
 RT: 15.334 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY020989.D
 Acq: 30 Jan 2025 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:180 Resp: 41
 Ion Ratio Lower Upper
 180 100
 182 165.9 47.7 143.1#
 145 1202.4 15.6 46.7#

