

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021834.D
 Acq On : 10 Apr 2025 13:40
 Operator : SY/MD
 Sample : Q1746-03
 Misc : 4.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 11 01:50:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

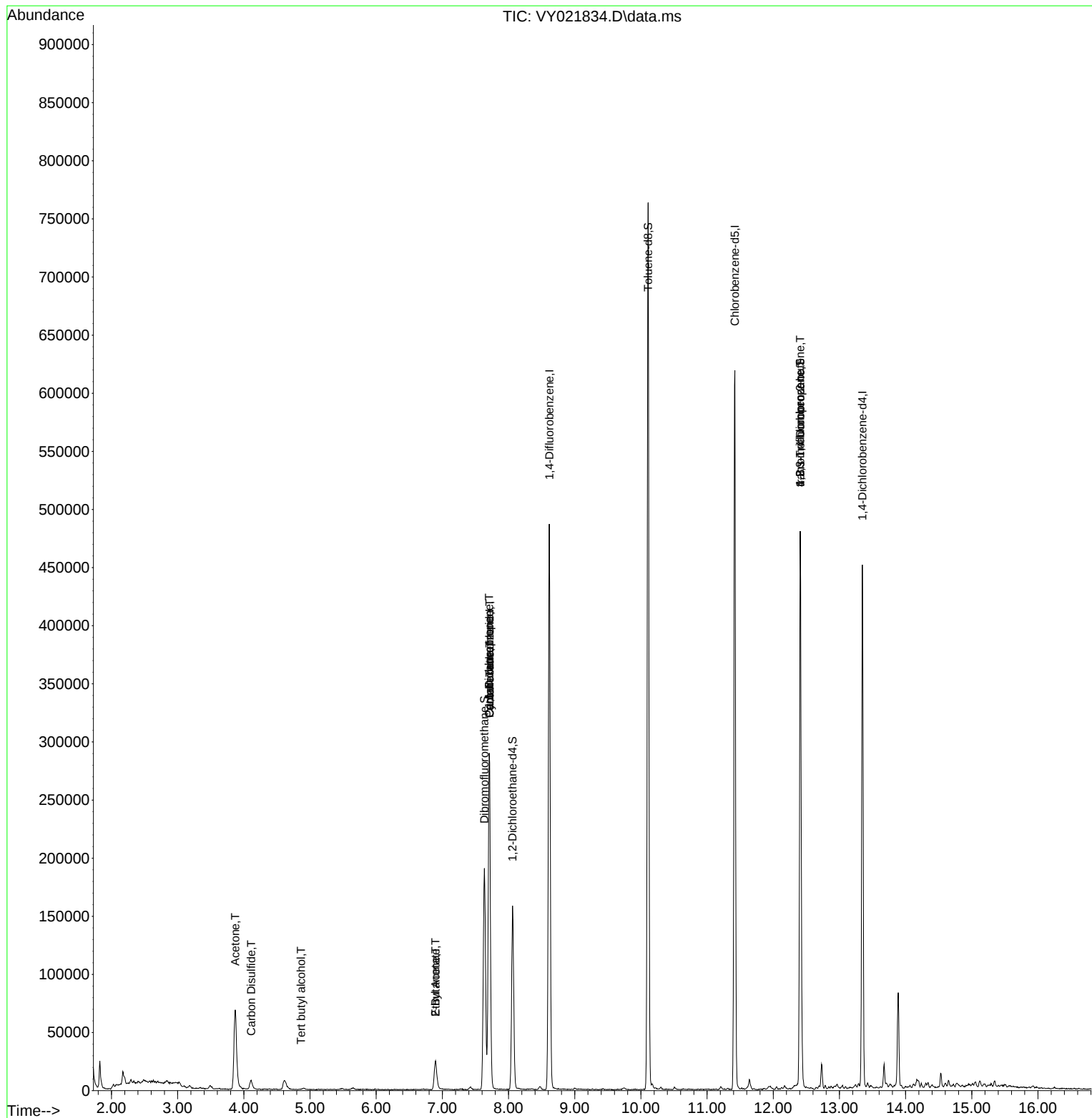
Internal Standards						
1) Pentafluorobenzene	7.713	168	219270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	400432	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	325268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	109046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	123370	51.929	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.860%	
35) Dibromofluoromethane	7.634	113	134042	51.604	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.200%	
50) Toluene-d8	10.109	98	482801	48.858	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.720%	
62) 4-Bromofluorobenzene	12.408	95	125419	37.523	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 75.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	243	1.575	ug/l #	70
16) Acetone	3.873	43	123652	254.314	ug/l	98
17) Carbon Disulfide	4.110	76	14450	1.908	ug/l	95
20) Methylene Chloride	4.604	84	5769	Below Cal		87
25) 2-Butanone	6.896	43	42592	61.330	ug/l	92
31) Cyclohexane	7.713	56	5394	1.286	ug/l #	33
36) 1,1-Dichloropropene	7.707	75	18381	4.646	ug/l #	50
37) Ethyl Acetate	6.896	43	42592	22.810	ug/l #	69
38) Carbon Tetrachloride	7.713	117	22254	4.911	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	65010	60.143	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	65010	138.579	ug/l #	12

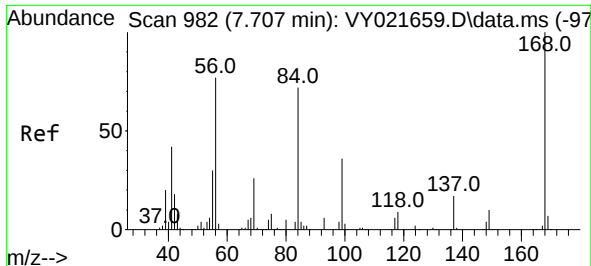
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
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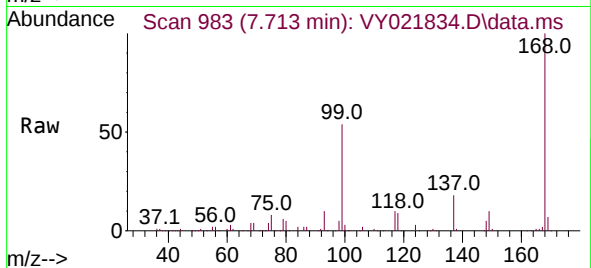
Quant Time: Apr 11 01:50:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



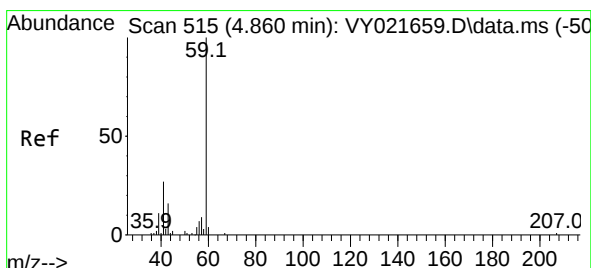
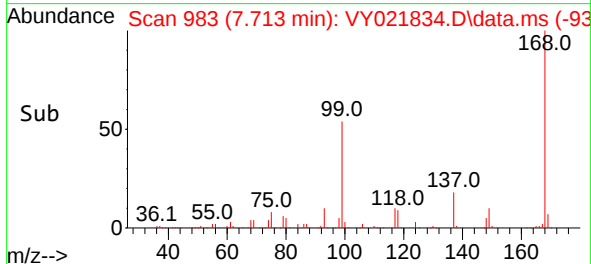
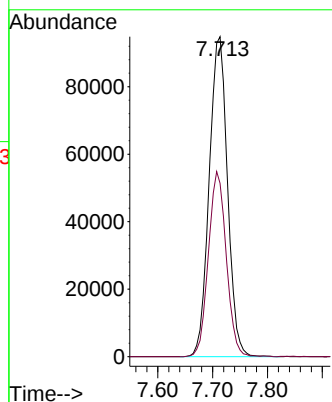


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021834.D
Acq: 10 Apr 2025 13:40

Instrument :
MSVOA_Y
ClientSampleId :

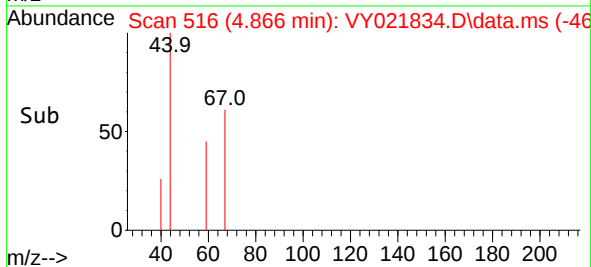
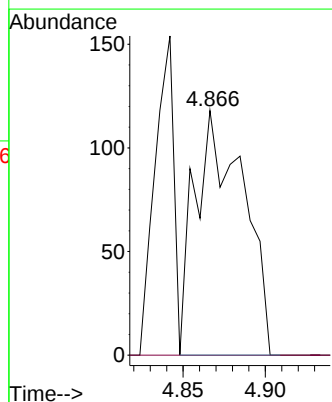
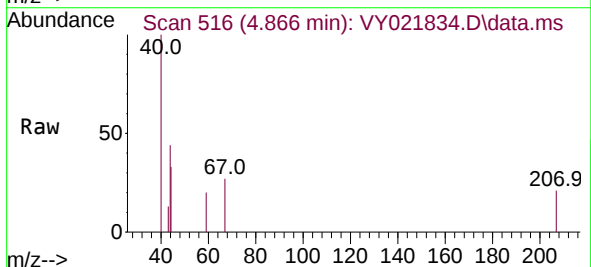


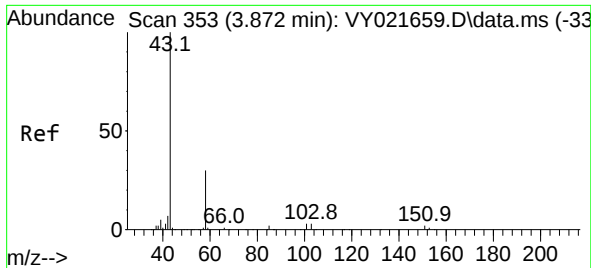
Tgt Ion:168 Resp: 219270
Ion Ratio Lower Upper
168 100
99 54.2 46.7 70.1



#11
Tert butyl alcohol
Concen: 1.575 ug/l
RT: 4.866 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY021834.D
Acq: 10 Apr 2025 13:40

Tgt Ion: 59 Resp: 243
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

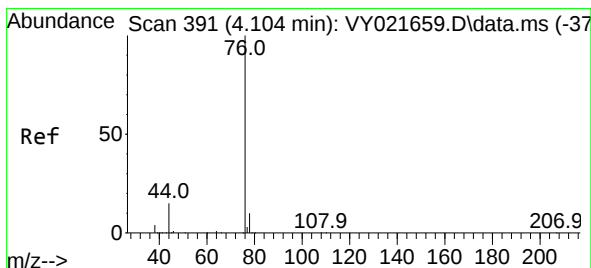
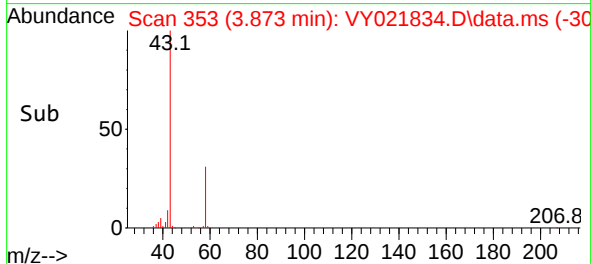
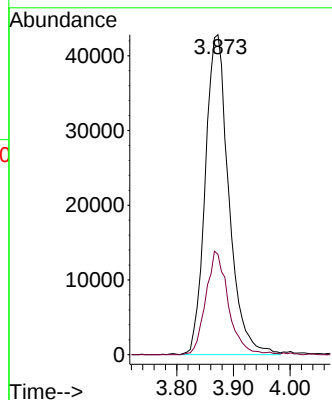
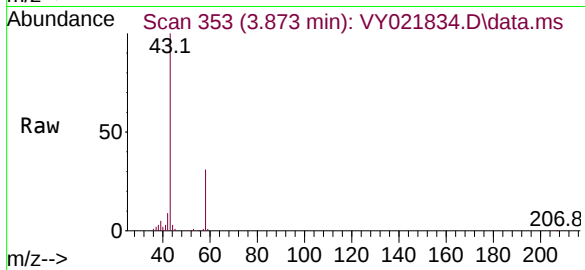




#16
Acetone
Concen: 254.314 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY021834.D
Acq: 10 Apr 2025 13:40

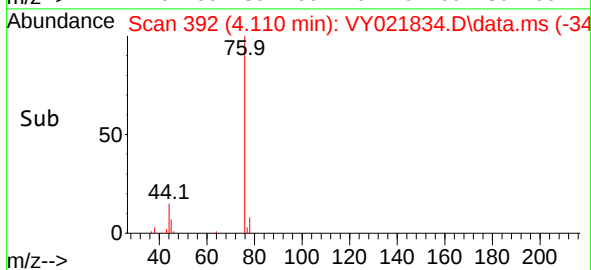
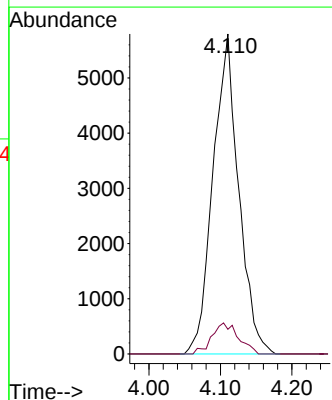
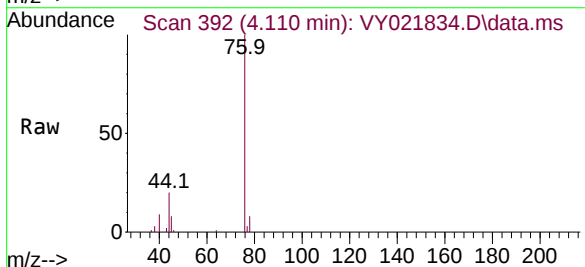
Instrument :
MSVOA_Y
ClientSampleId :

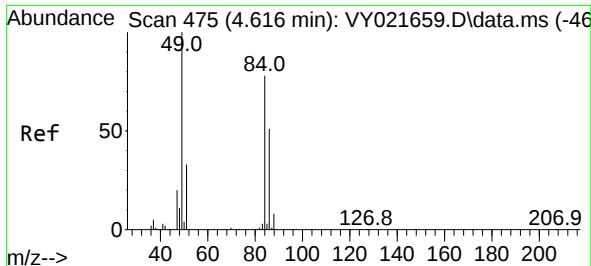
Tgt Ion: 43 Resp: 123652
Ion Ratio Lower Upper
43 100
58 31.3 24.2 36.4



#17
Carbon Disulfide
Concen: 1.908 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY021834.D
Acq: 10 Apr 2025 13:40

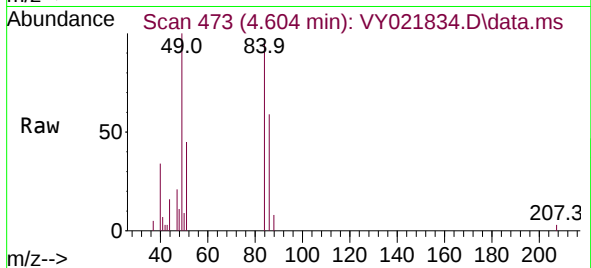
Tgt Ion: 76 Resp: 14450
Ion Ratio Lower Upper
76 100
78 7.7 7.6 11.4



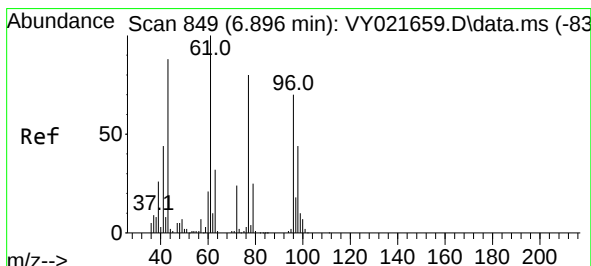
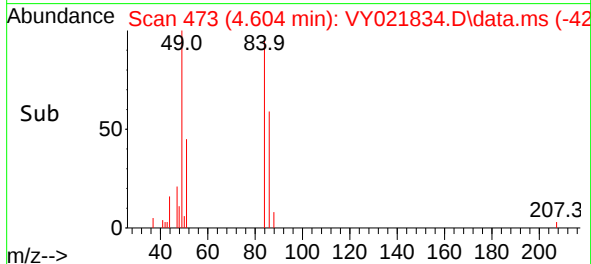
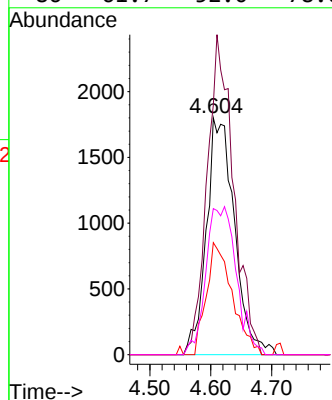


#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY021834.D
Acq: 10 Apr 2025 13:40

Instrument :
MSVOA_Y
ClientSampleId :

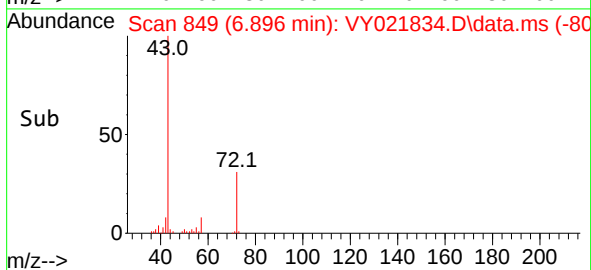
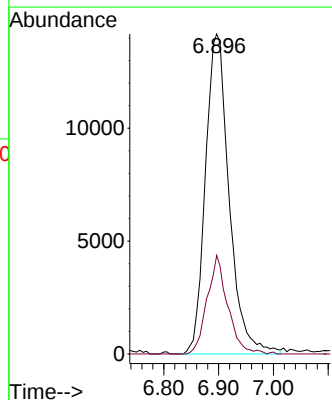
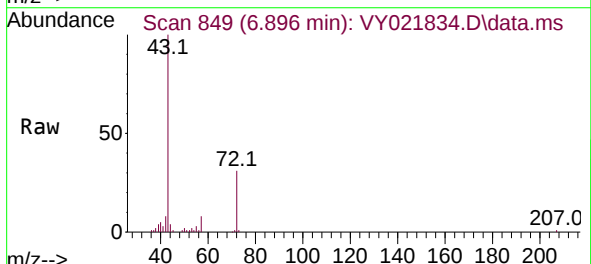


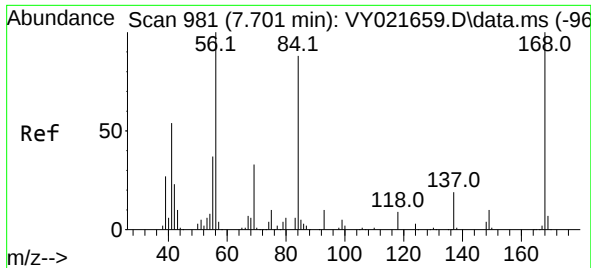
Tgt Ion:	84	Resp:	5769
Ion	Ratio	Lower	Upper
84	100		
49	105.3	102.8	154.2
51	43.8	33.5	50.3
86	61.7	52.0	78.0



#25
2-Butanone
Concen: 61.330 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021834.D
Acq: 10 Apr 2025 13:40

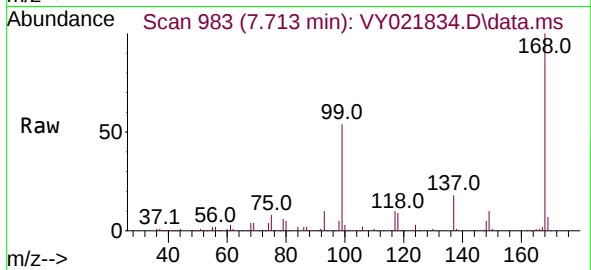
Tgt Ion:	43	Resp:	42592
Ion	Ratio	Lower	Upper
43	100		
72	30.8	21.4	32.2



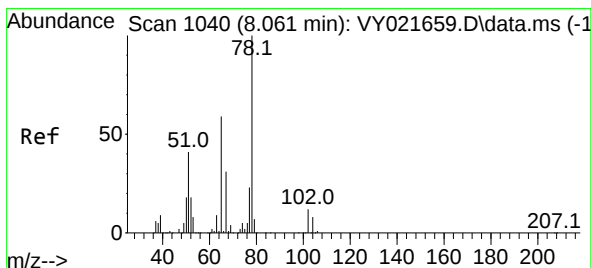
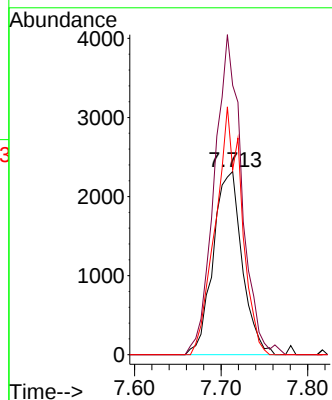
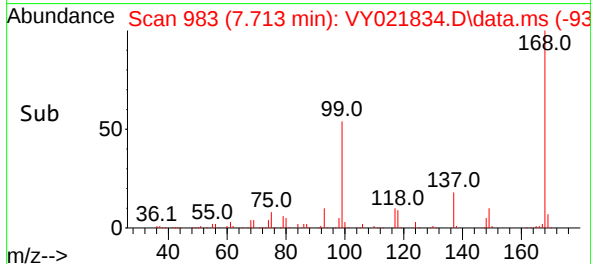


#31
Cyclohexane
Concen: 1.286 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY021834.D
Acq: 10 Apr 2025 13:40

Instrument :
MSVOA_Y
ClientSampleId :

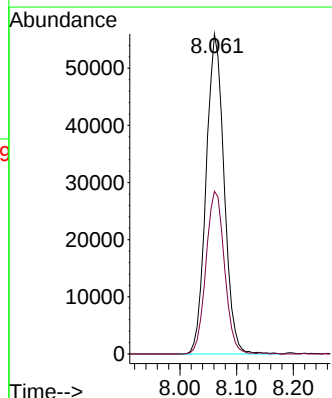
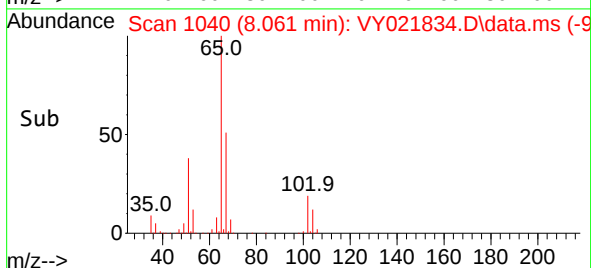
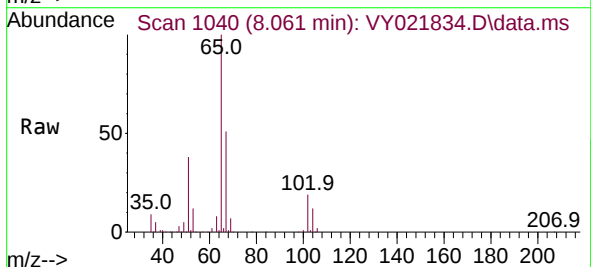


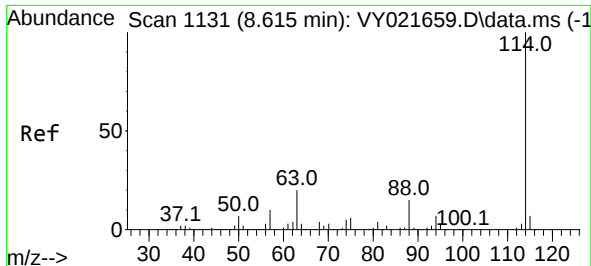
Tgt Ion: 56 Resp: 5394
Ion Ratio Lower Upper
56 100
69 147.0 26.6 40.0#
84 100.9 69.0 103.4



#33
1,2-Dichloroethane-d4
Concen: 51.929 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021834.D
Acq: 10 Apr 2025 13:40

Tgt Ion: 65 Resp: 123370
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.6

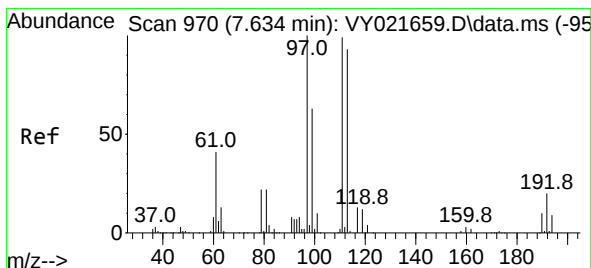
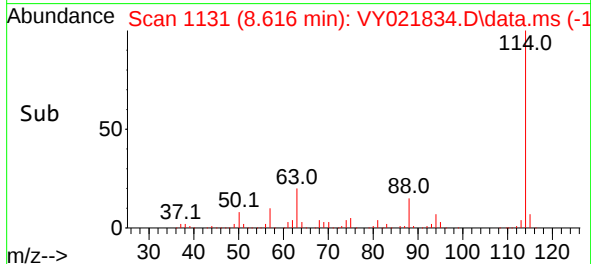
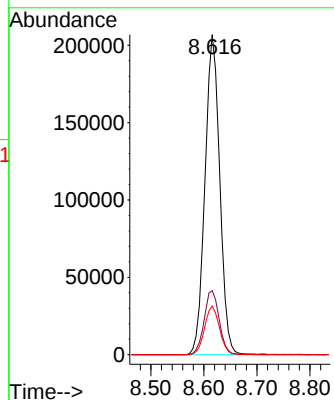
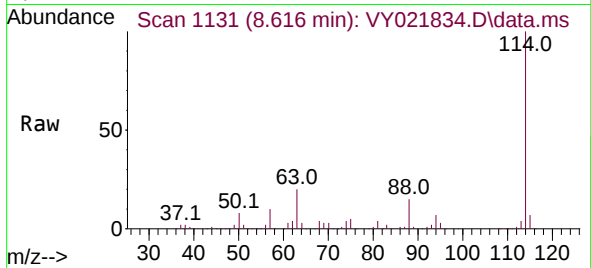




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021834.D
Acq: 10 Apr 2025 13:40

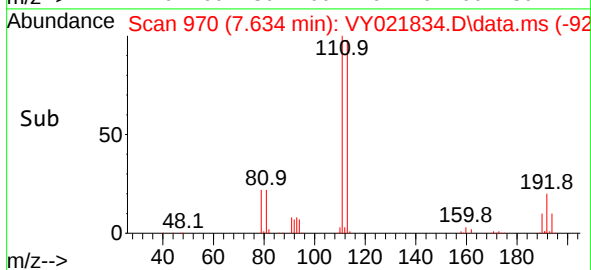
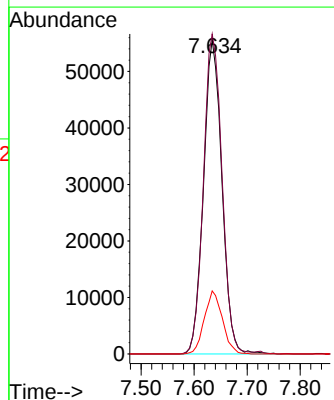
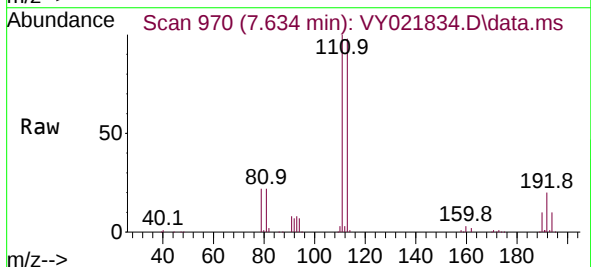
Instrument :
MSVOA_Y
ClientSampleId :

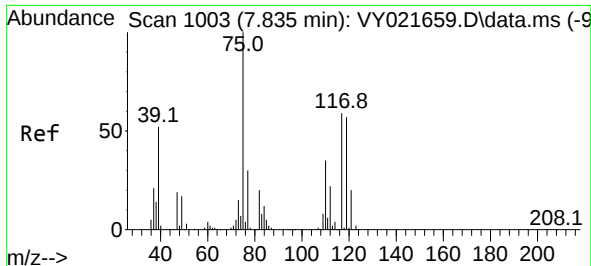
Tgt Ion:114 Resp: 400432
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.2
88 15.2 0.0 29.8



#35
Dibromofluoromethane
Concen: 51.604 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021834.D
Acq: 10 Apr 2025 13:40

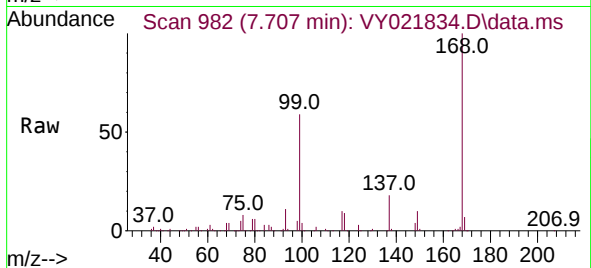
Tgt Ion:113 Resp: 134042
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 19.7 16.2 24.4



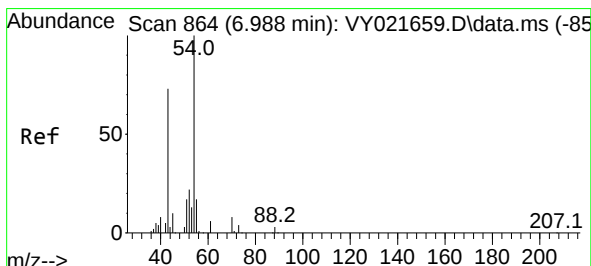
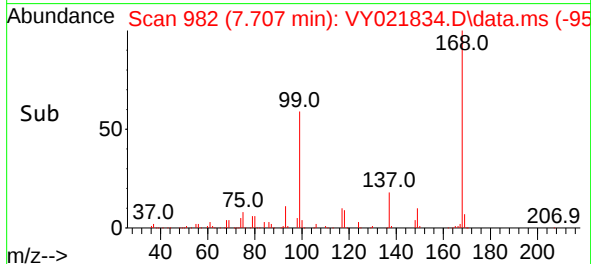
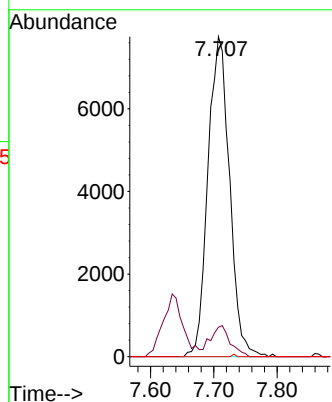


#36
1,1-Dichloropropene
Concen: 4.646 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY021834.D
Acq: 10 Apr 2025 13:40

Instrument :
MSVOA_Y
ClientSampleId :

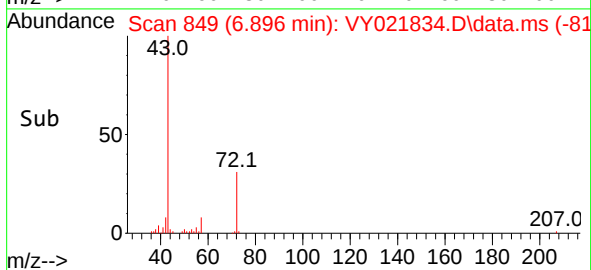
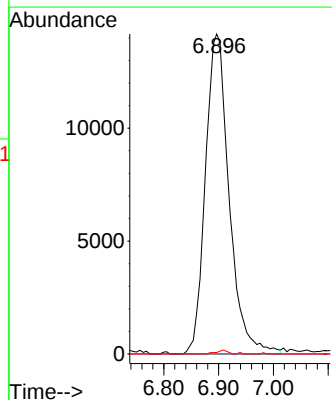
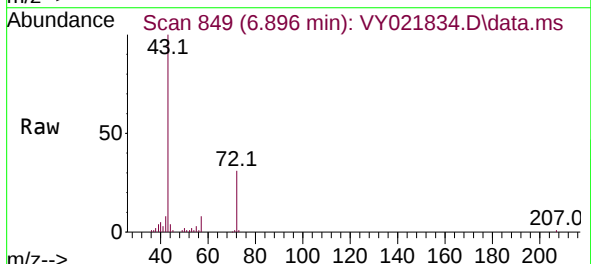


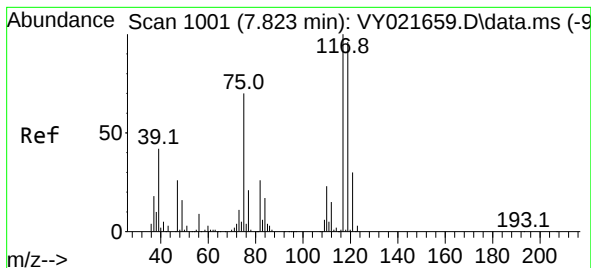
Tgt Ion: 75 Resp: 18381
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 22.810 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.091 min
Lab File: VY021834.D
Acq: 10 Apr 2025 13:40

Tgt Ion: 43 Resp: 42592
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.6 8.1 12.1#





#38

Carbon Tetrachloride

Concen: 4.911 ug/l

RT: 7.713 min Scan# 9

Delta R.T. -0.110 min

Lab File: VY021834.D

Acq: 10 Apr 2025 13:40

Instrument :

MSVOA_Y

ClientSampleId :

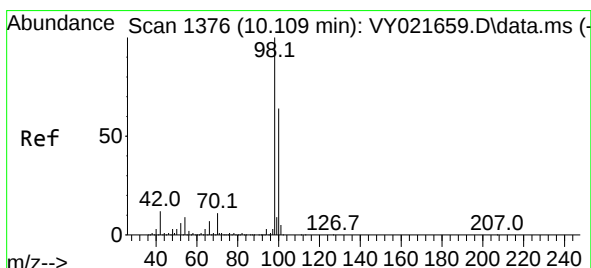
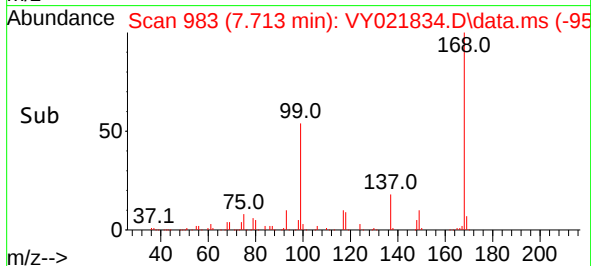
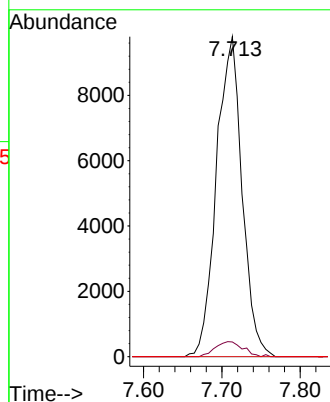
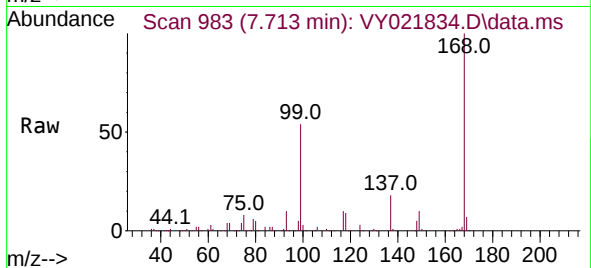
Tgt Ion:117 Resp: 22254

Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.4#

121 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 48.858 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021834.D

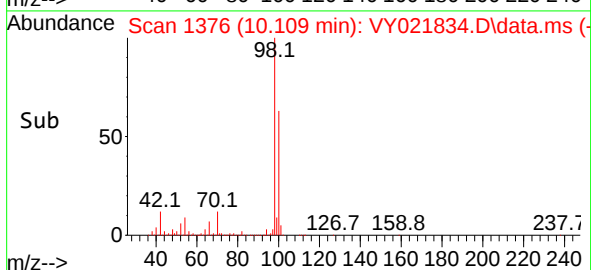
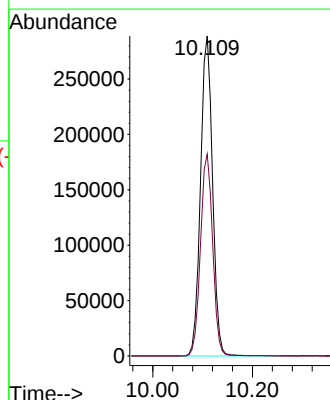
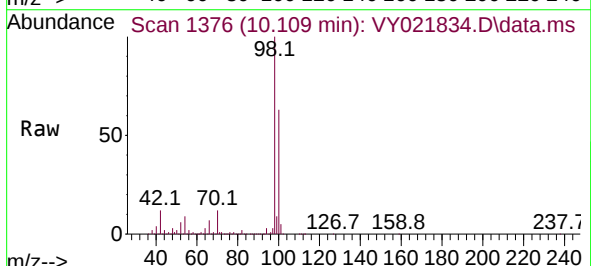
Acq: 10 Apr 2025 13:40

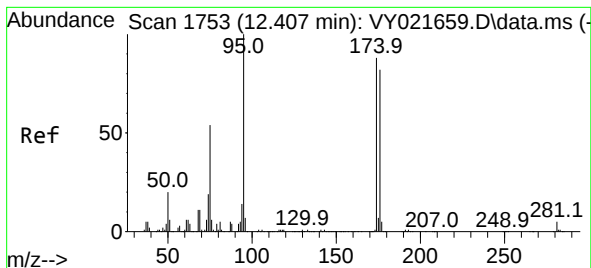
Tgt Ion: 98 Resp: 482801

Ion Ratio Lower Upper

98 100

100 63.9 52.1 78.1

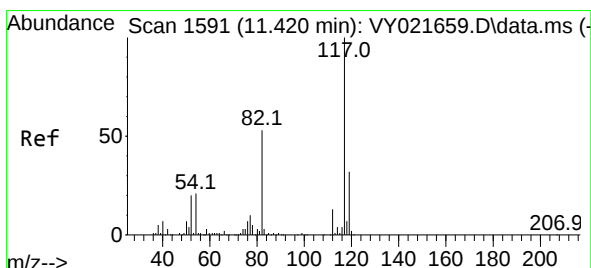
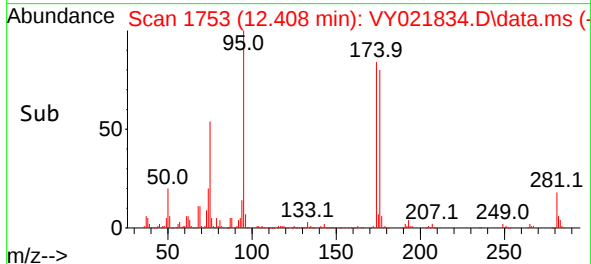
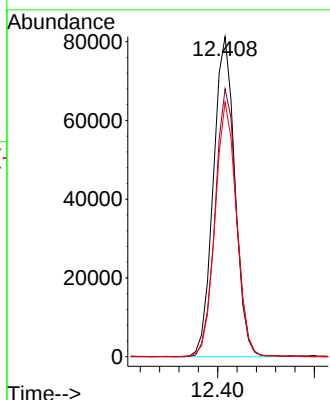
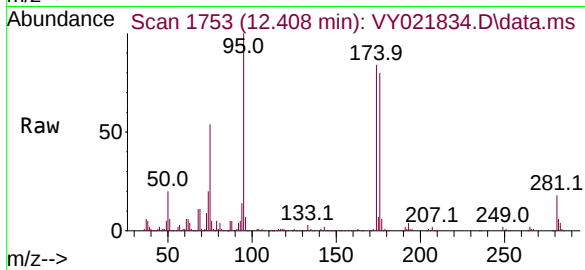




#62
4-Bromofluorobenzene
Concen: 37.523 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021834.D
Acq: 10 Apr 2025 13:40

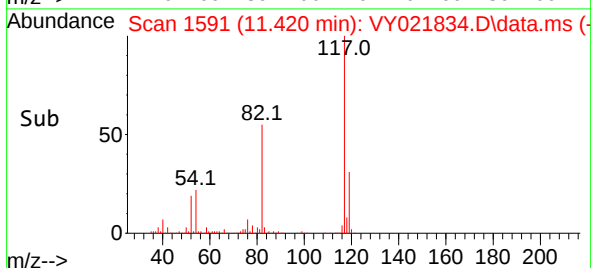
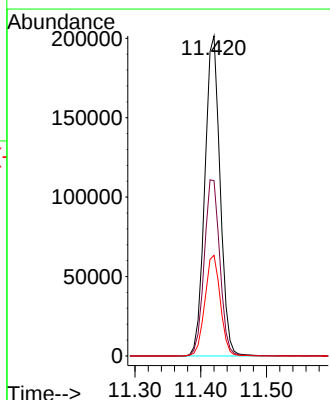
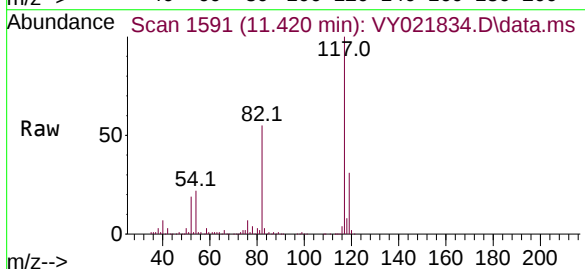
Instrument :
MSVOA_Y
ClientSampleId :

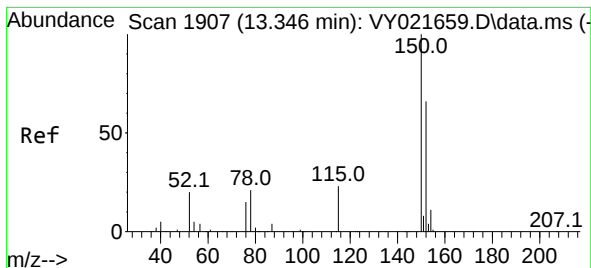
Tgt Ion: 95 Resp: 125419
Ion Ratio Lower Upper
95 100
174 83.1 0.0 170.8
176 79.0 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021834.D
Acq: 10 Apr 2025 13:40

Tgt Ion: 117 Resp: 325268
Ion Ratio Lower Upper
117 100
82 54.7 42.8 64.2
119 31.4 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021834.D

Acq: 10 Apr 2025 13:40

Instrument :

MSVOA_Y

ClientSampleId :

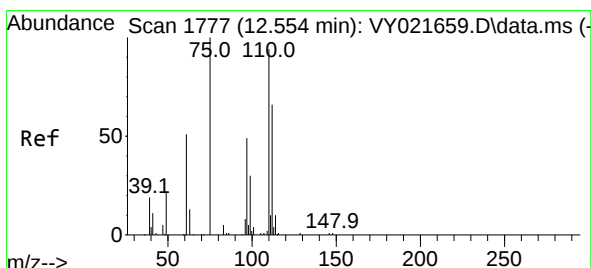
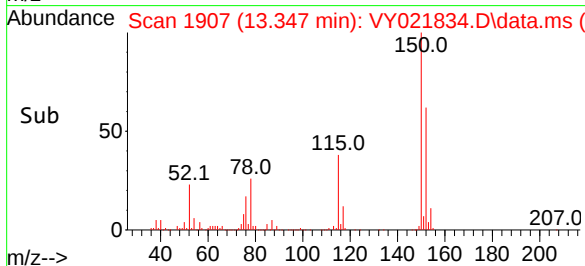
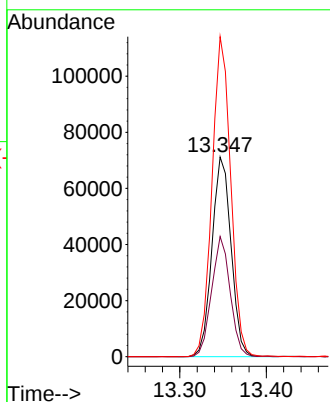
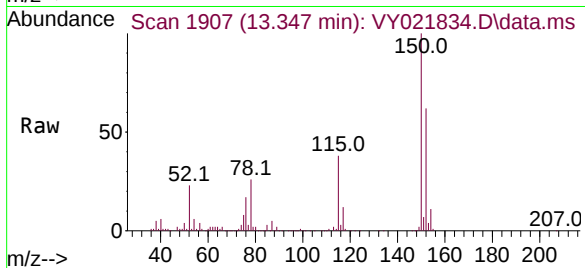
Tgt Ion:152 Resp: 109046

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 156.9 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 60.143 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021834.D

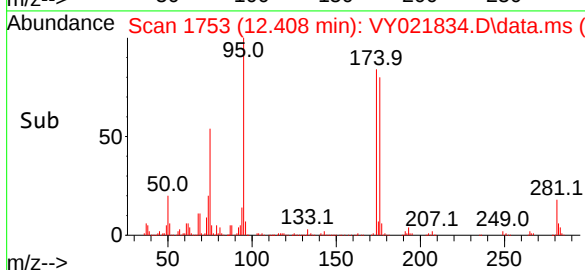
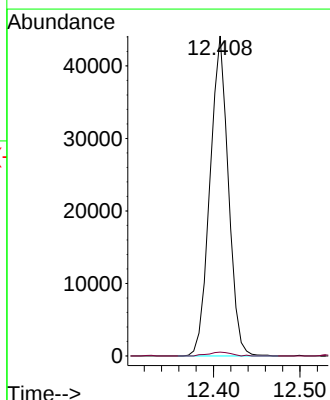
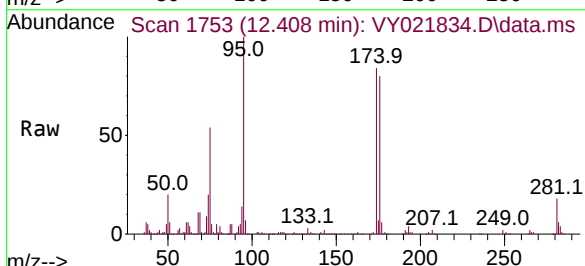
Acq: 10 Apr 2025 13:40

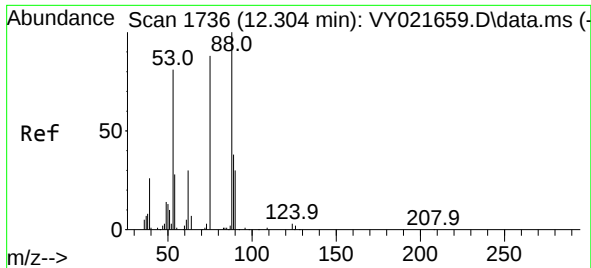
Tgt Ion: 75 Resp: 65010

Ion Ratio Lower Upper

75 100

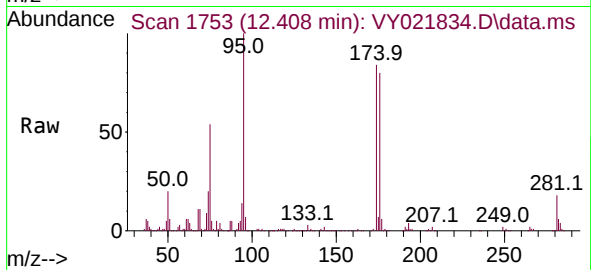
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.579 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021834.D
 Acq: 10 Apr 2025 13:40

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	76.1	114.1#
89	0.7	36.2	54.4#

