

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021801.D
 Acq On : 07 Apr 2025 16:19
 Operator : SY/MD
 Sample : Q1735-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 50660-50661-50662-5663-COMP

Quant Time: Apr 08 03:35:01 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)

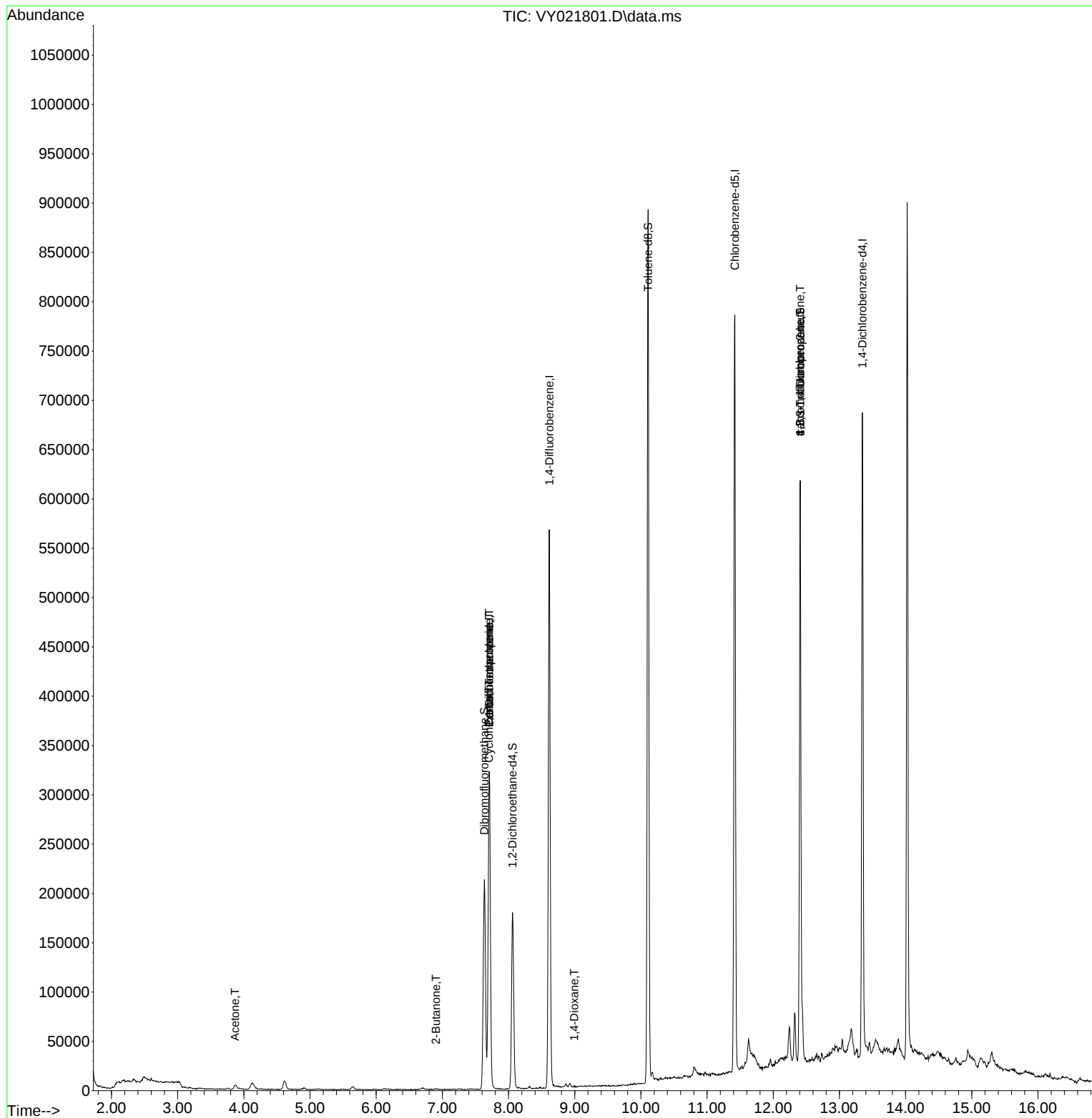
Internal Standards						
1) Pentafluorobenzene	7.707	168	245679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	457070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	407823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	161426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141819	53.278	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.560%	
35) Dibromofluoromethane	7.634	113	148759	50.173	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.340%	
50) Toluene-d8	10.109	98	558225	49.490	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.980%	
62) 4-Bromofluorobenzene	12.408	95	177471	46.516	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.040%	
Target Compounds						
					Qvalue	
16) Acetone	3.867	43	8289	15.215	ug/l	95
20) Methylene Chloride	4.616	84	5840	Below Cal		88
25) 2-Butanone	6.903	43	1675	2.153	ug/l #	80
31) Cyclohexane	7.701	56	5784	1.231	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	20167	4.466	ug/l #	51
38) Carbon Tetrachloride	7.707	117	24830	4.800	ug/l #	16
49) 1,4-Dioxane	8.994	88	47	2.378	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	94270	58.913	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	94270	135.746	ug/l #	12

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

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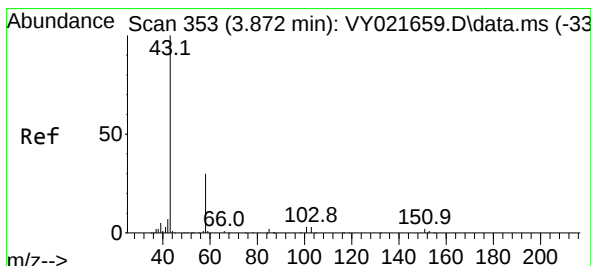
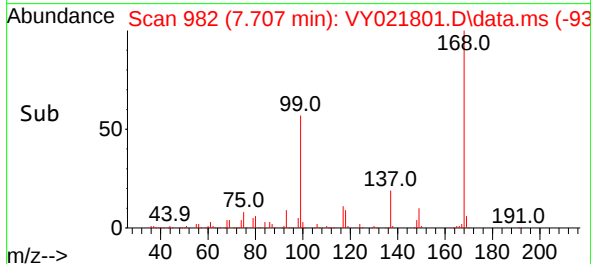
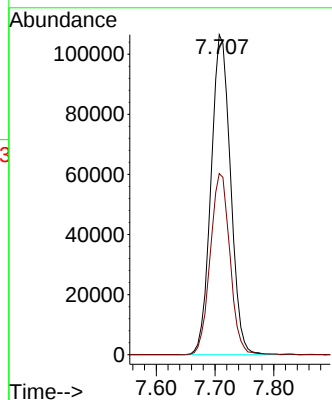
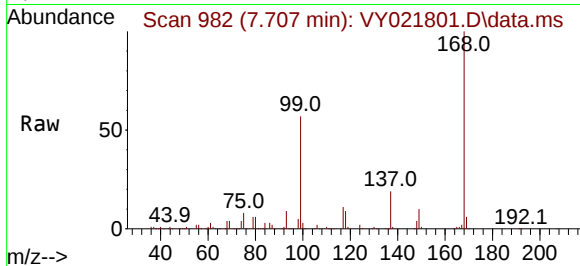




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021801.D
Acq: 07 Apr 2025 16:19

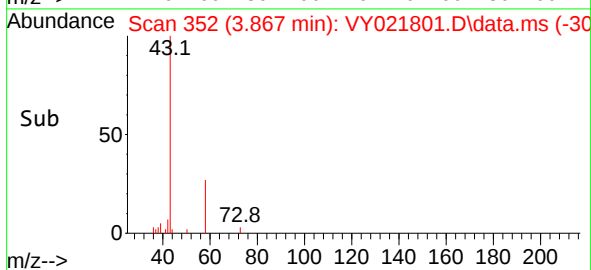
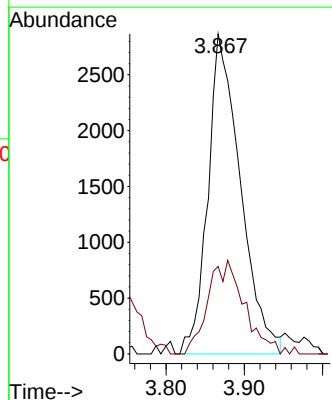
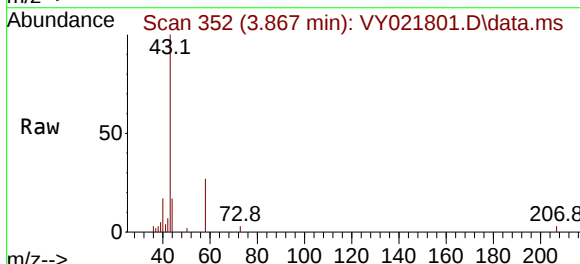
Instrument :
MSVOA_Y
ClientSampleId :
50660-50661-50662-5663-COMP

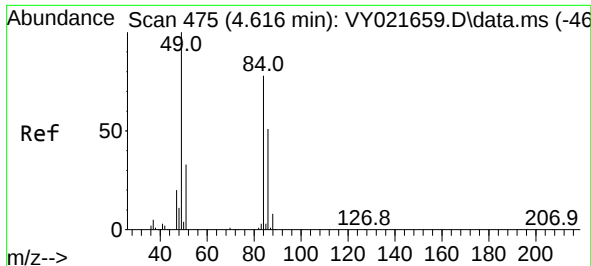
Tgt Ion:168 Resp: 245679
Ion Ratio Lower Upper
168 100
99 56.6 46.7 70.1



#16
Acetone
Concen: 15.215 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021801.D
Acq: 07 Apr 2025 16:19

Tgt Ion: 43 Resp: 8289
Ion Ratio Lower Upper
43 100
58 27.4 24.2 36.4

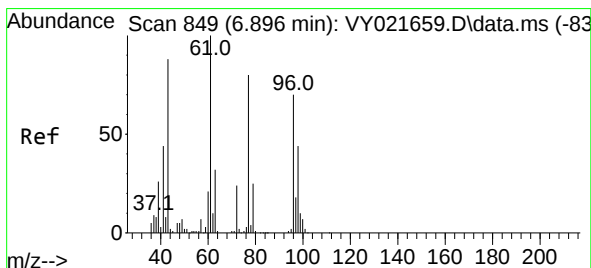
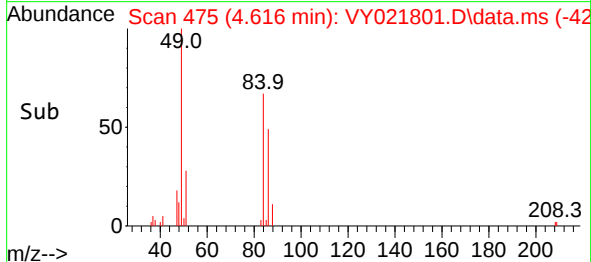
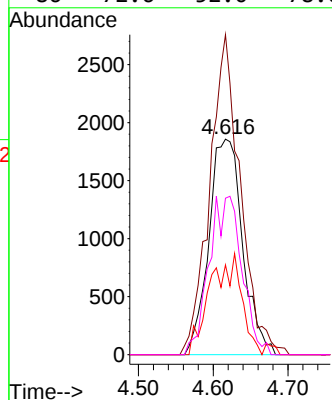
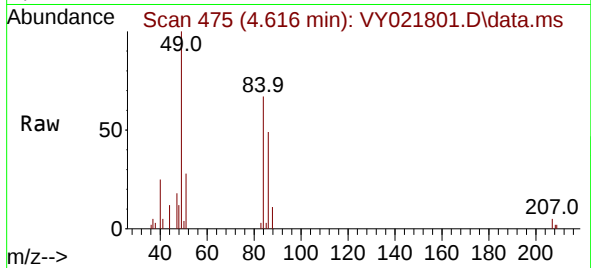




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021801.D
Acq: 07 Apr 2025 16:19

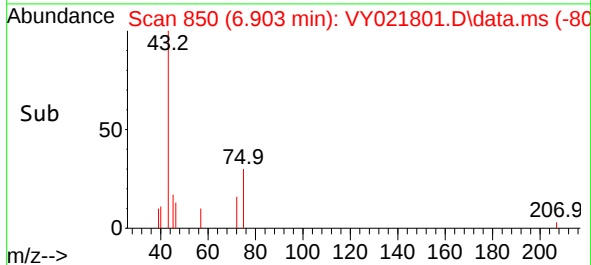
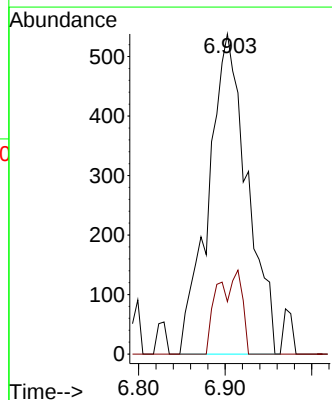
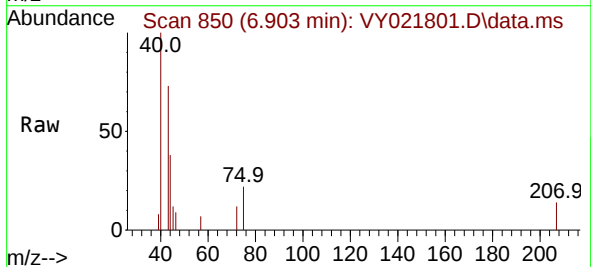
Instrument :
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ClientSampleId :
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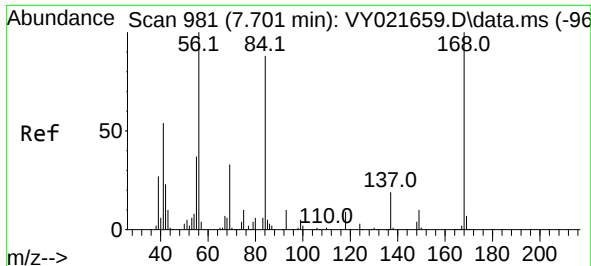
Tgt Ion:	84	Resp:	5840
Ion	Ratio	Lower	Upper
84	100		
49	148.4	102.8	154.2
51	41.7	33.5	50.3
86	72.6	52.0	78.0



#25
2-Butanone
Concen: 2.153 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY021801.D
Acq: 07 Apr 2025 16:19

Tgt Ion:	43	Resp:	1675
Ion	Ratio	Lower	Upper
43	100		
72	16.4	21.4	32.2#

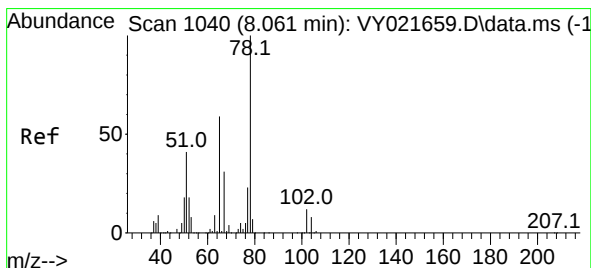
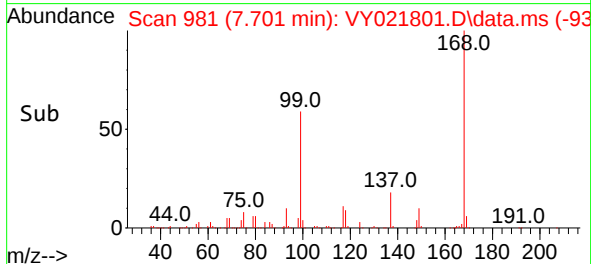
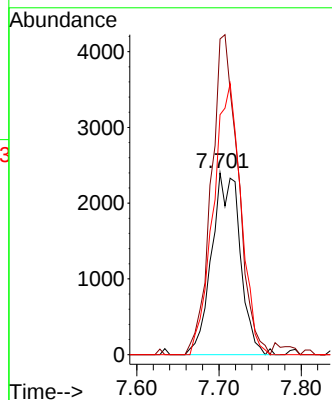
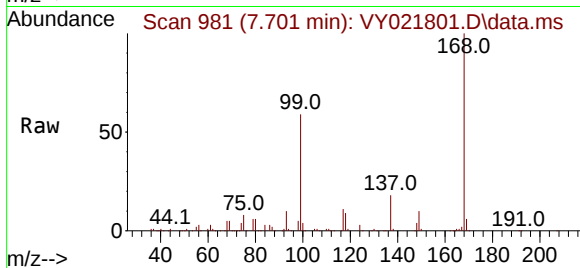




#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021801.D
Acq: 07 Apr 2025 16:19

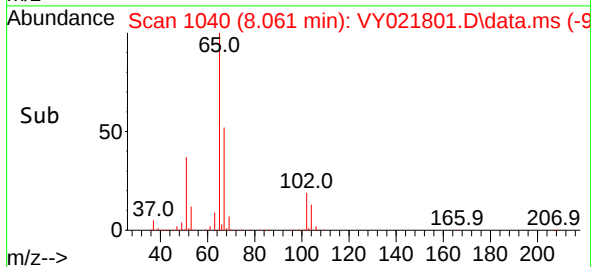
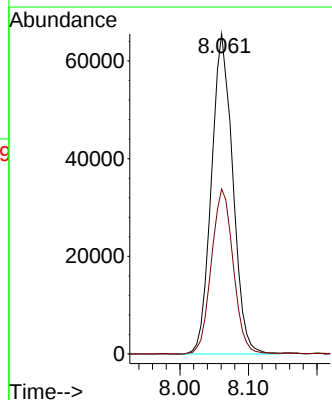
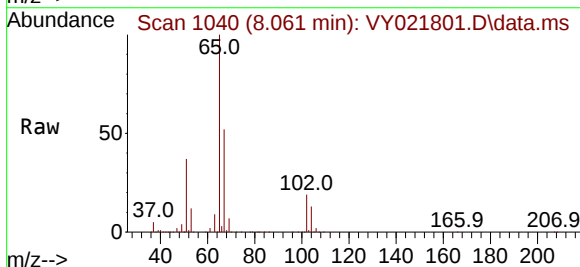
Instrument :
MSVOA_Y
ClientSampleId :
50660-50661-50662-5663-COMP

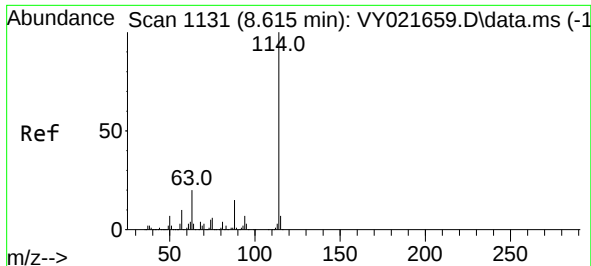
Tgt Ion: 56 Resp: 5784
Ion Ratio Lower Upper
56 100
69 173.6 26.6 40.0#
84 132.0 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 53.278 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021801.D
Acq: 07 Apr 2025 16:19

Tgt Ion: 65 Resp: 141819
Ion Ratio Lower Upper
65 100
67 52.8 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: VY021801.D

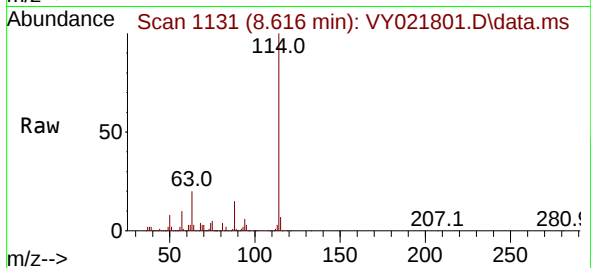
Acq: 07 Apr 2025 16:19

Instrument :

MSVOA_Y

ClientSampleId :

50660-50661-50662-5663-COMP



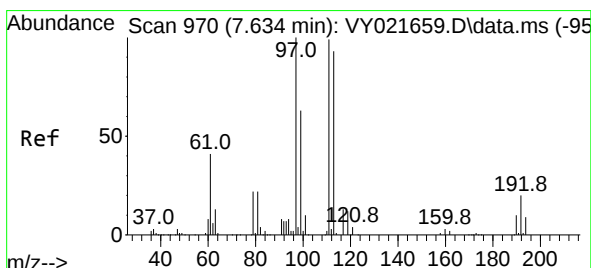
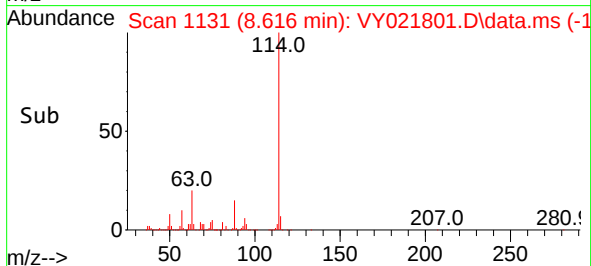
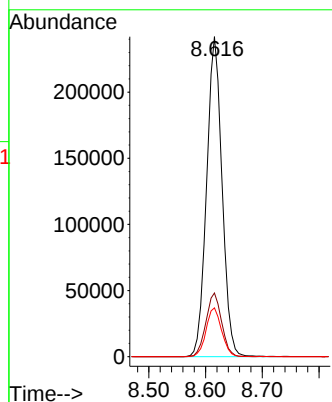
Tgt Ion:114 Resp: 457070

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.2

88 15.2 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.173 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021801.D

Acq: 07 Apr 2025 16:19

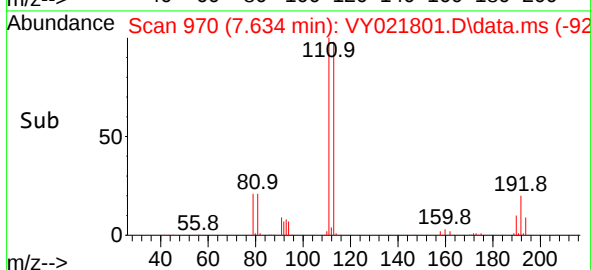
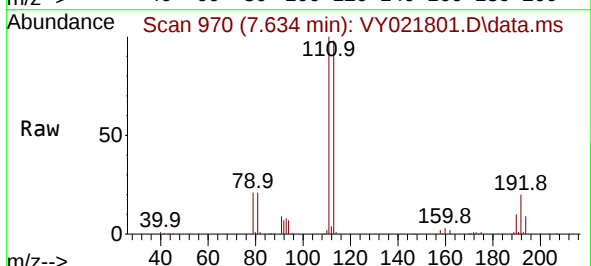
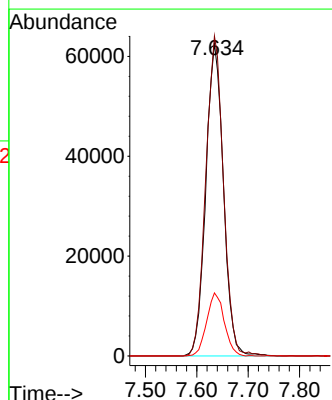
Tgt Ion:113 Resp: 148759

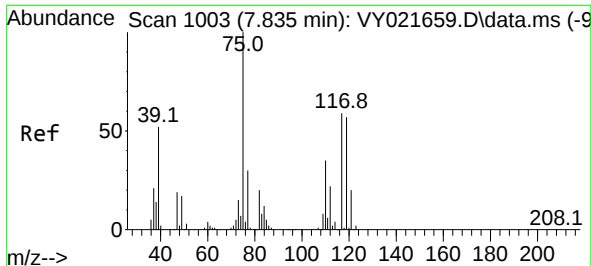
Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

192 20.2 16.2 24.4

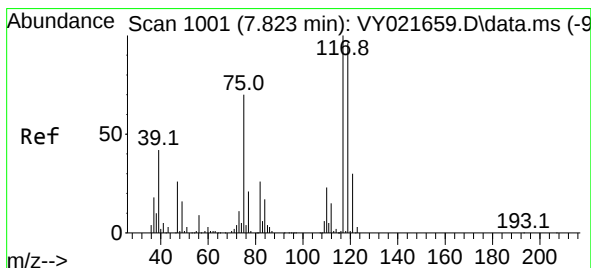
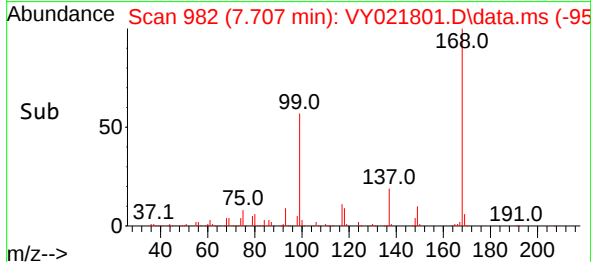
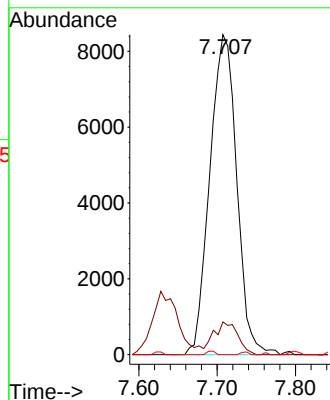
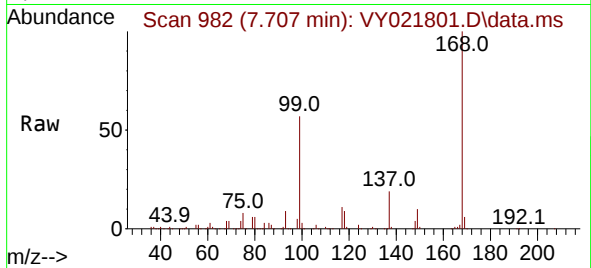




#36
1,1-Dichloropropene
Concen: 4.466 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021801.D
Acq: 07 Apr 2025 16:19

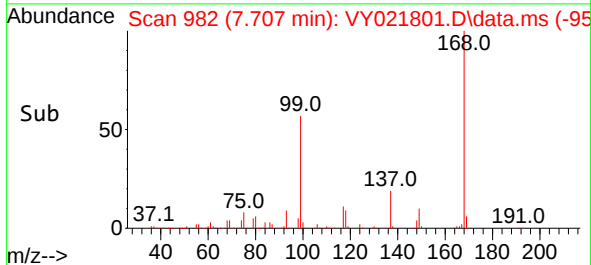
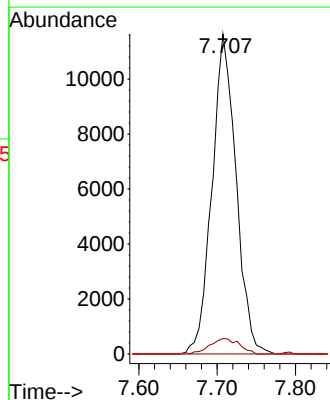
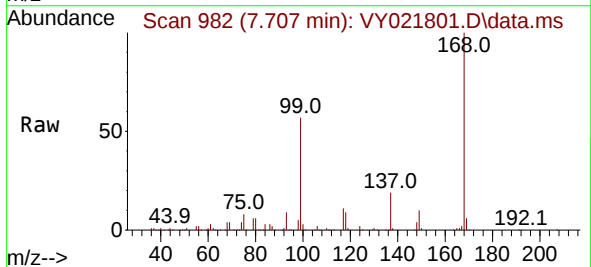
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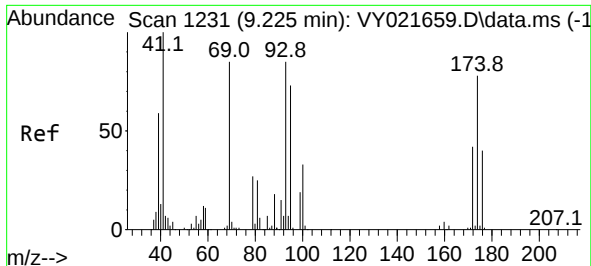
Tgt Ion: 75 Resp: 20167
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.3 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 4.800 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021801.D
Acq: 07 Apr 2025 16:19

Tgt Ion: 117 Resp: 24830
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.4#
121 0.0 24.2 36.4#





#49

1,4-Dioxane

Concen: 2.378 ug/l

RT: 8.994 min Scan# 1193

Delta R.T. -0.231 min

Lab File: VY021801.D

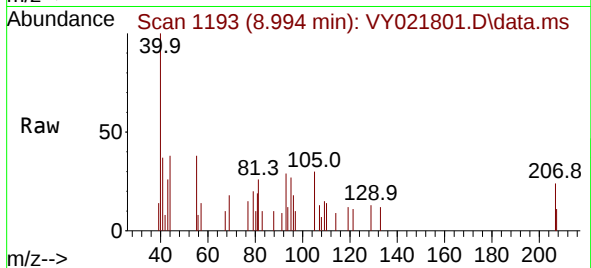
Acq: 07 Apr 2025 16:19

Instrument :

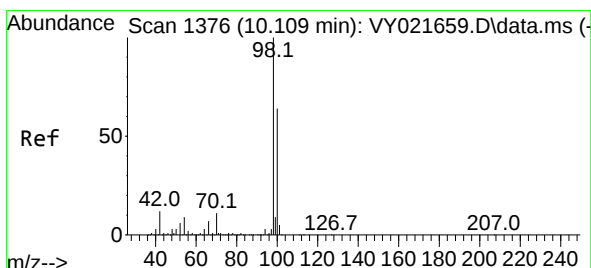
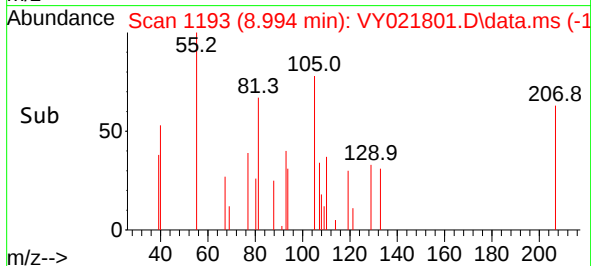
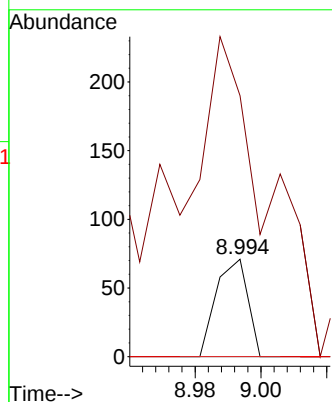
MSVOA_Y

ClientSampleId :

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Tgt Ion:	88	Resp:	47
Ion	Ratio	Lower	Upper
88	100		
43	676.6	28.8	43.2#
58	0.0	59.4	89.2#



#50

Toluene-d8

Concen: 49.490 ug/l

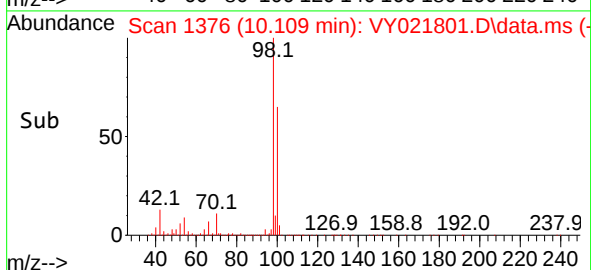
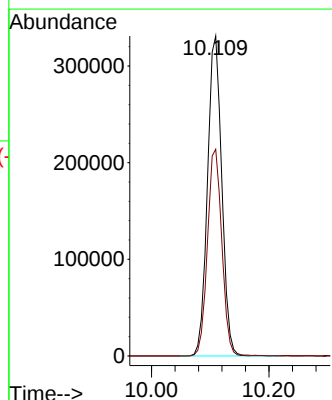
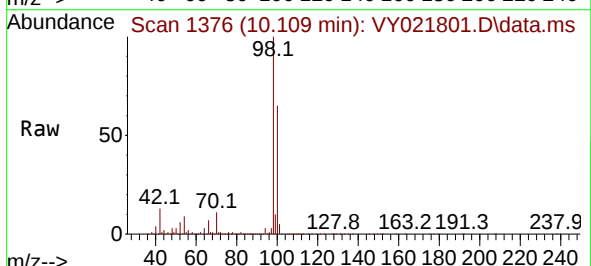
RT: 10.109 min Scan# 1376

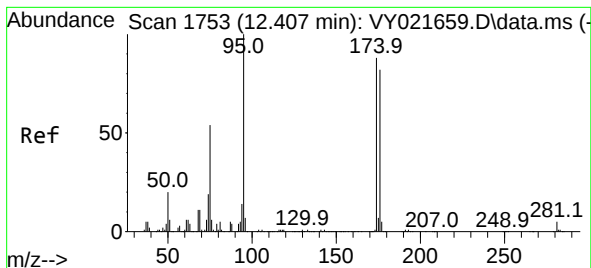
Delta R.T. 0.000 min

Lab File: VY021801.D

Acq: 07 Apr 2025 16:19

Tgt Ion:	98	Resp:	558225
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1

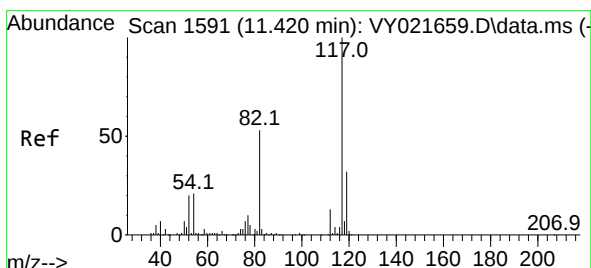
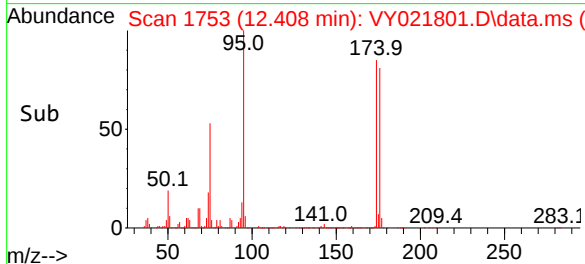
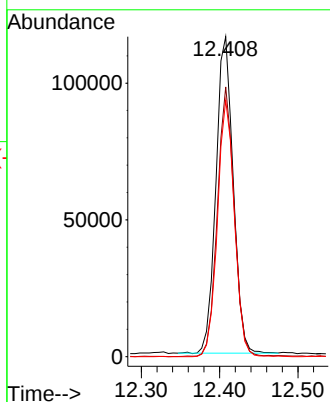
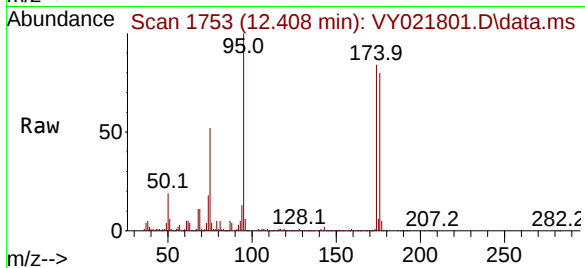




#62
4-Bromofluorobenzene
Concen: 46.516 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021801.D
Acq: 07 Apr 2025 16:19

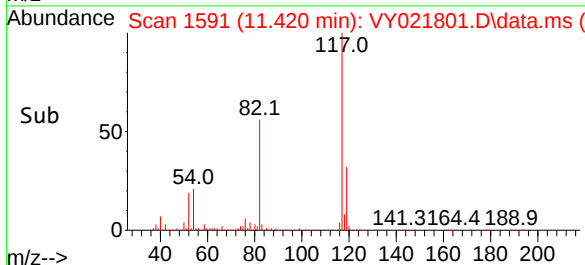
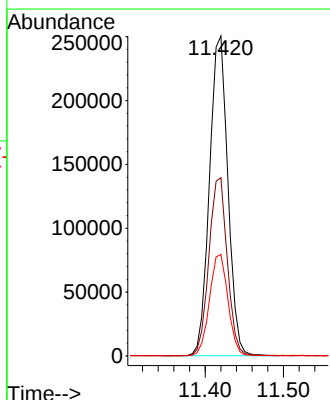
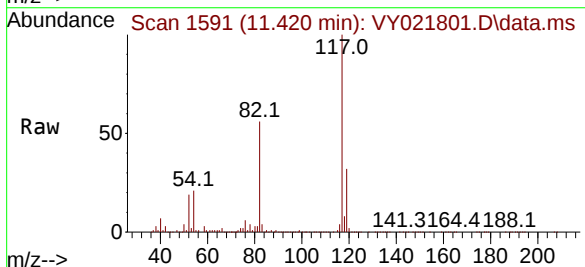
Instrument :
MSVOA_Y
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50660-50661-50662-5663-COMP

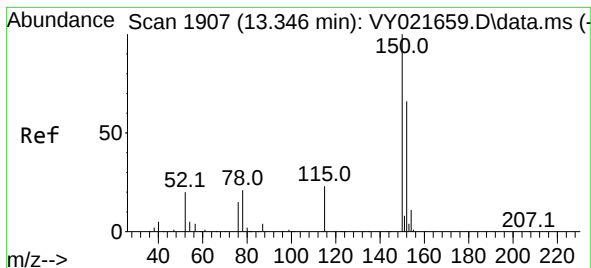
Tgt Ion: 95 Resp: 177471
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.8
176 79.7 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021801.D
Acq: 07 Apr 2025 16:19

Tgt Ion: 117 Resp: 407823
Ion Ratio Lower Upper
117 100
82 55.6 42.8 64.2
119 31.7 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: VY021801.D

Acq: 07 Apr 2025 16:19

Instrument :

MSVOA_Y

ClientSampleId :

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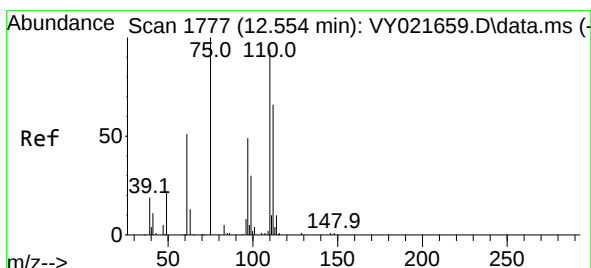
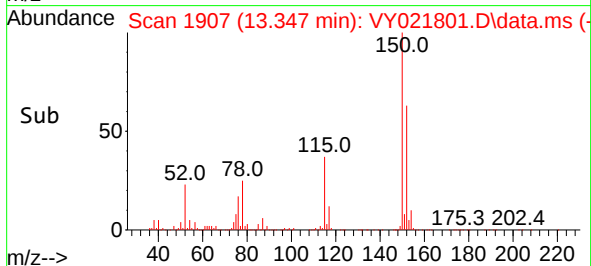
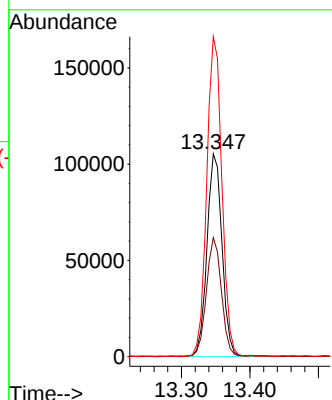
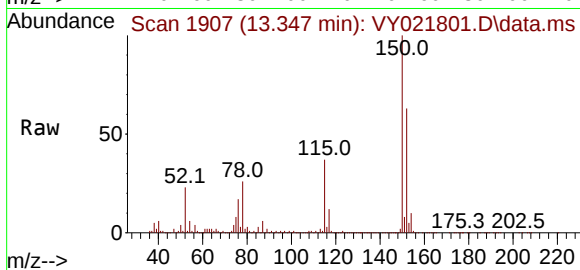
Tgt Ion:152 Resp: 161426

Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 157.7 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 58.913 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021801.D

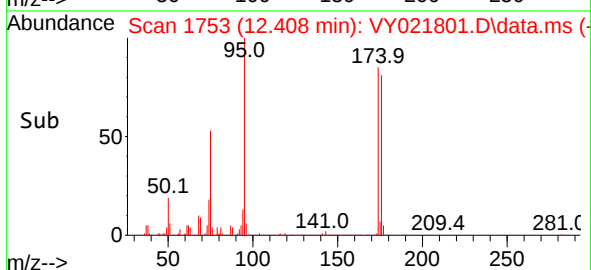
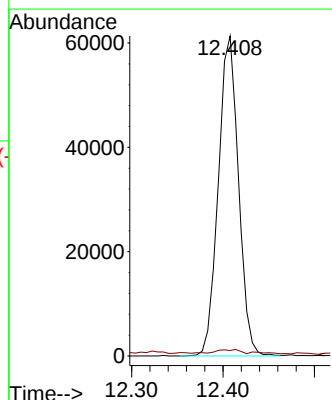
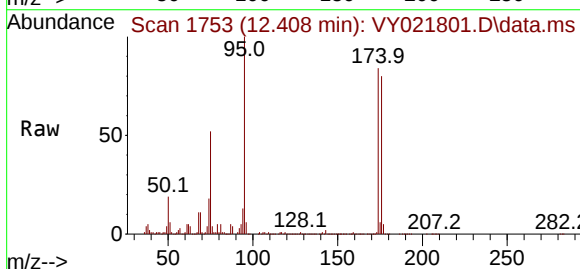
Acq: 07 Apr 2025 16:19

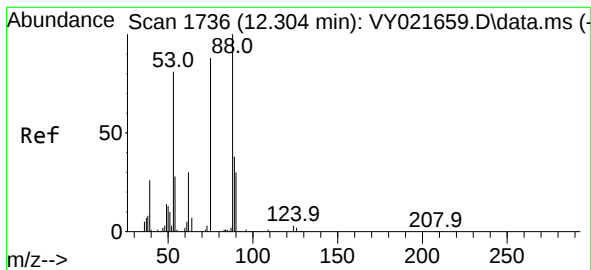
Tgt Ion: 75 Resp: 94270

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.746 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021801.D
 Acq: 07 Apr 2025 16:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 50660-50661-50662-5663-COMP

Tgt Ion: 75 Resp: 94270
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.2 54.4#

