

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021259.D
 Acq On : 20 Feb 2025 19:03
 Operator : SY/MD
 Sample : Q1383-17
 Misc : 5.61g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 02:45:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

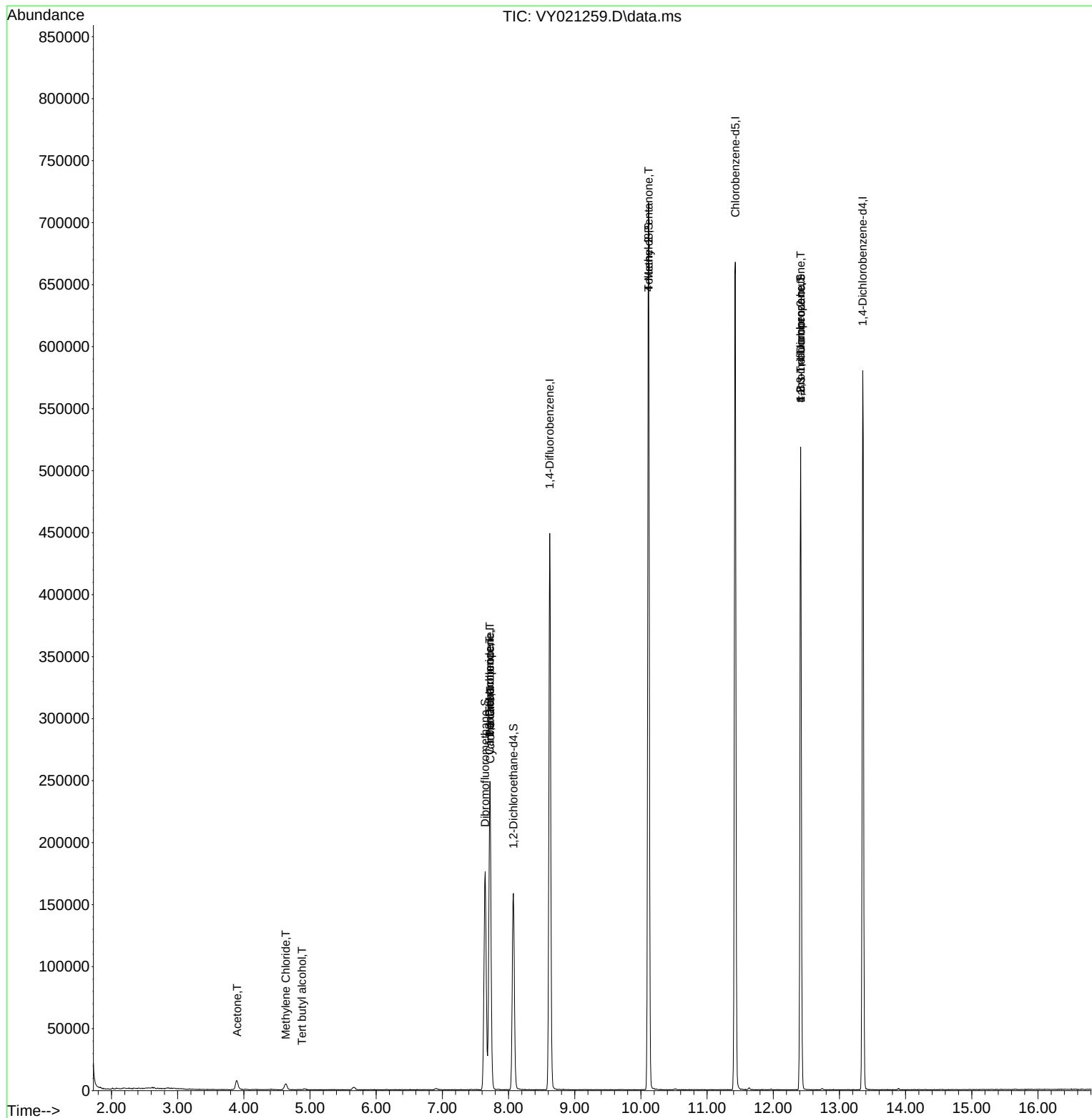
Internal Standards						
1) Pentafluorobenzene	7.719	168	188529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	362333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	345363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	138680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	130425	67.521	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.040%	
35) Dibromofluoromethane	7.646	113	123799	53.314	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.620%	
50) Toluene-d8	10.115	98	444438	50.274	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.540%	
62) 4-Bromofluorobenzene	12.414	95	150964	52.271	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.540%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.879	59	275	2.101	ug/l #	75
16) Acetone	3.897	43	13969	46.373	ug/l	99
20) Methylene Chloride	4.635	84	3519	1.879	ug/l	94
31) Cyclohexane	7.726	56	4131	1.254	ug/l #	8
36) 1,1-Dichloropropene	7.719	75	15117	4.395	ug/l #	50
38) Carbon Tetrachloride	7.713	117	19099	4.752	ug/l #	17
51) 4-Methyl-2-Pentanone	10.115	43	2255	1.496	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	82420	65.517	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	82420	133.686	ug/l #	12

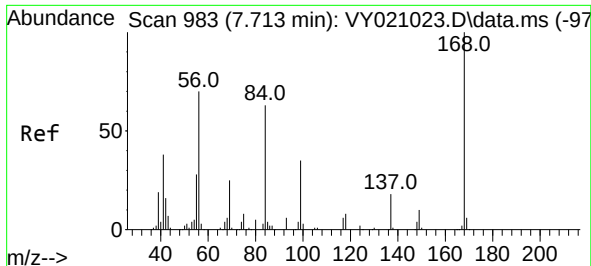
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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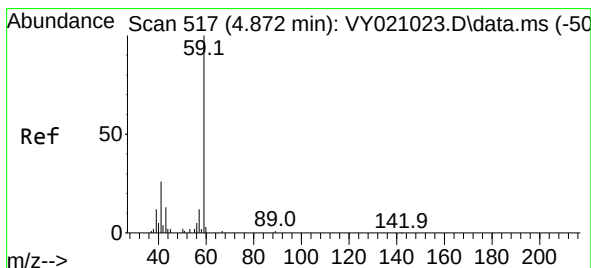
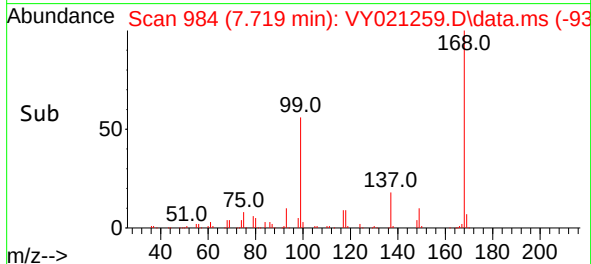
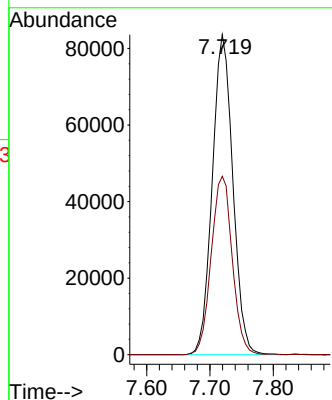
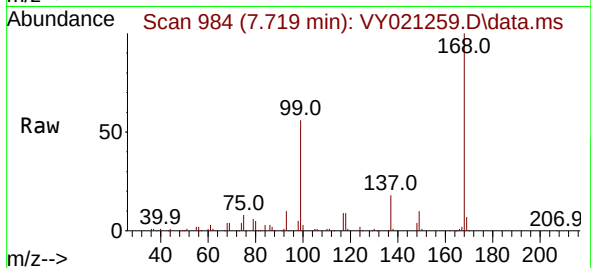




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021259.D
Acq: 20 Feb 2025 19:03

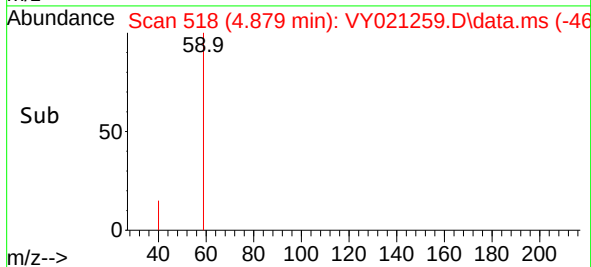
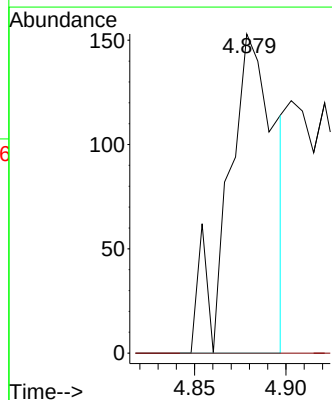
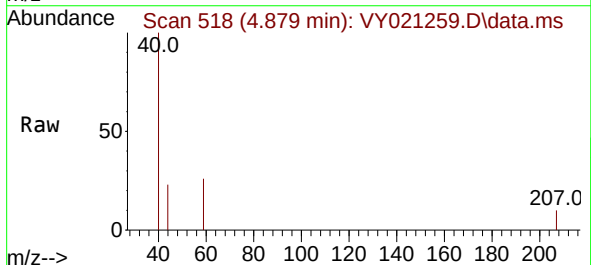
Instrument :
MSVOA_Y
ClientSampleId :

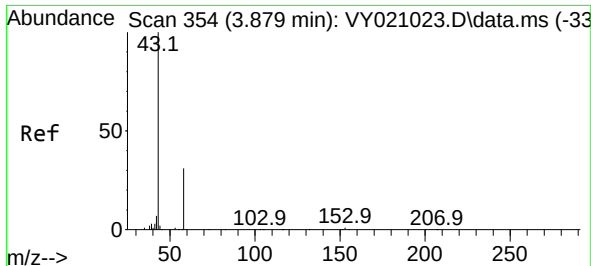
Tgt Ion:168 Resp: 188529
Ion Ratio Lower Upper
168 100
99 55.7 44.2 66.4



#11
Tert butyl alcohol
Concen: 2.101 ug/l
RT: 4.879 min Scan# 518
Delta R.T. 0.006 min
Lab File: VY021259.D
Acq: 20 Feb 2025 19:03

Tgt Ion: 59 Resp: 275
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

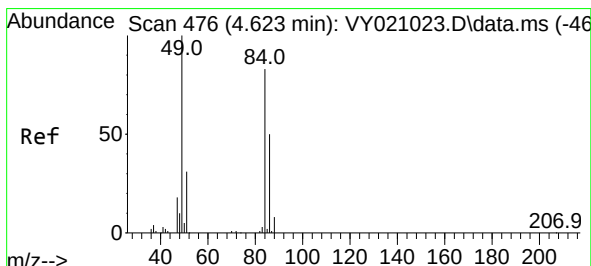
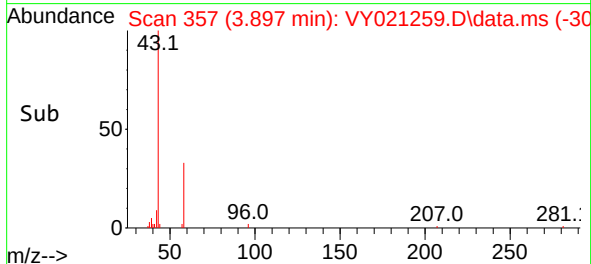
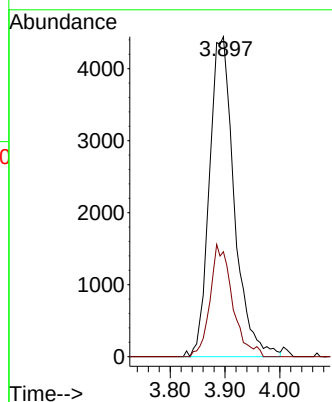
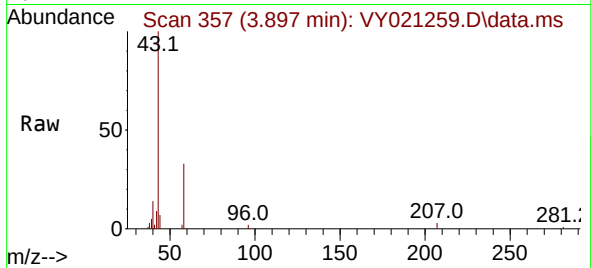




#16
Acetone
Concen: 46.373 ug/l
RT: 3.897 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY021259.D
Acq: 20 Feb 2025 19:03

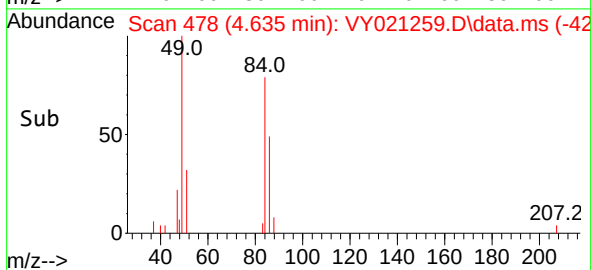
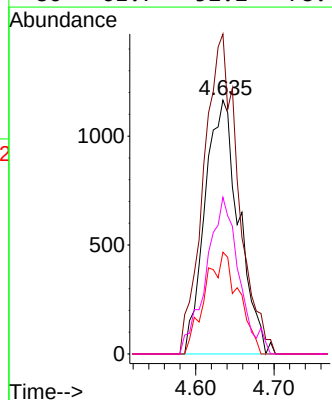
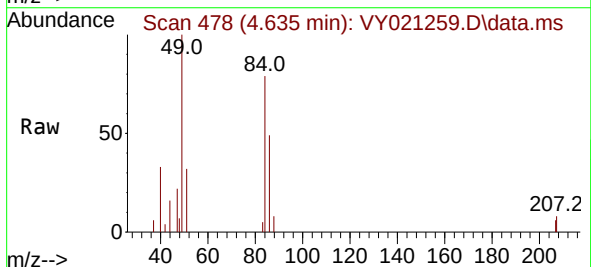
Instrument :
MSVOA_Y
ClientSampleId :

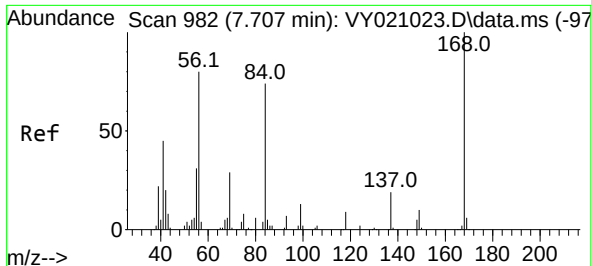
Tgt Ion: 43 Resp: 13969
Ion Ratio Lower Upper
43 100
58 32.8 26.6 39.8



#20
Methylene Chloride
Concen: 1.879 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.012 min
Lab File: VY021259.D
Acq: 20 Feb 2025 19:03

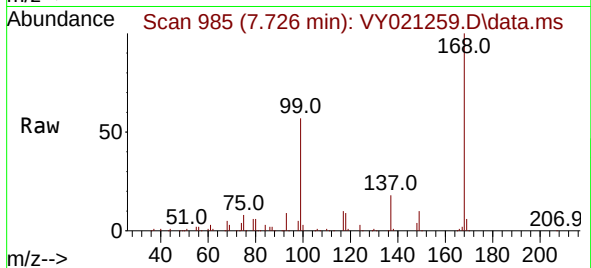
Tgt Ion: 84 Resp: 3519
Ion Ratio Lower Upper
84 100
49 126.1 95.2 142.8
51 40.1 29.9 44.9
86 61.7 52.2 78.4



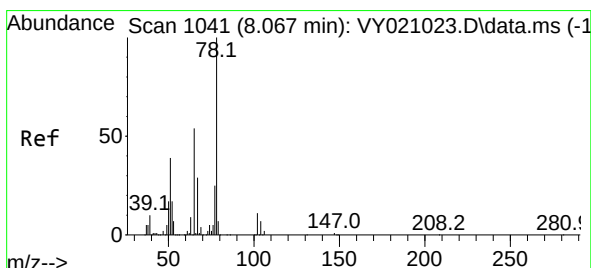
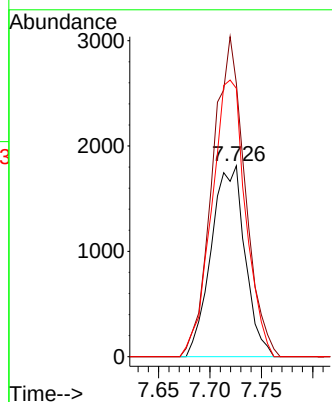
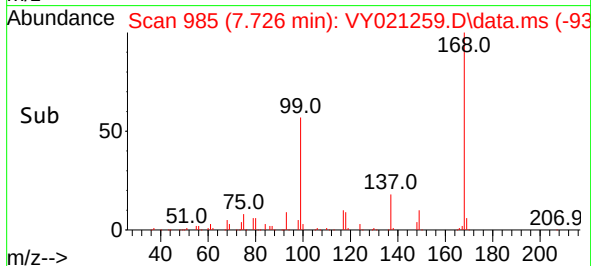


#31
Cyclohexane
Concen: 1.254 ug/l
RT: 7.726 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY021259.D
Acq: 20 Feb 2025 19:03

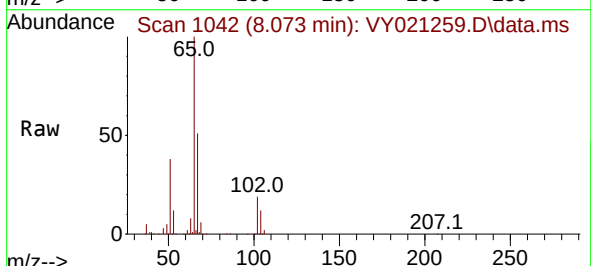
Instrument :
MSVOA_Y
ClientSampleId :



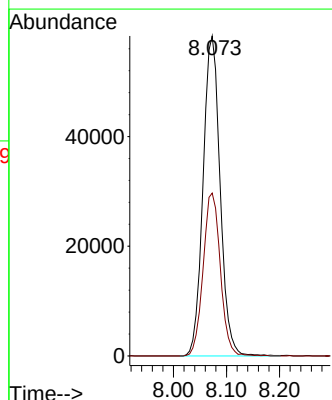
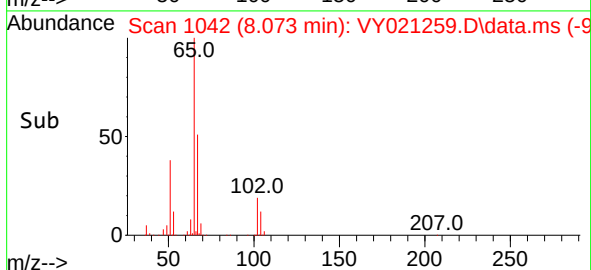
Tgt Ion: 56 Resp: 4131
Ion Ratio Lower Upper
56 100
69 143.2 27.0 40.6#
84 140.6 71.8 107.6#

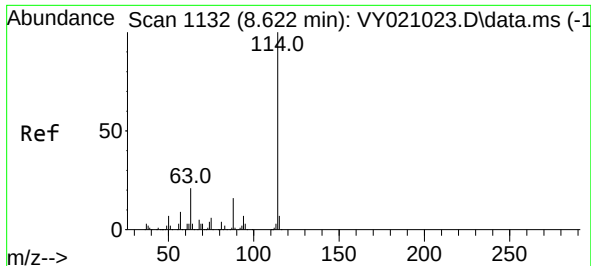


#33
1,2-Dichloroethane-d4
Concen: 67.521 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021259.D
Acq: 20 Feb 2025 19:03



Tgt Ion: 65 Resp: 130425
Ion Ratio Lower Upper
65 100
67 51.3 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021259.D

Acq: 20 Feb 2025 19:03

Instrument :

MSVOA_Y

ClientSampleId :

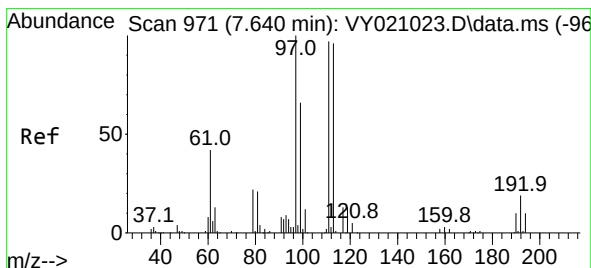
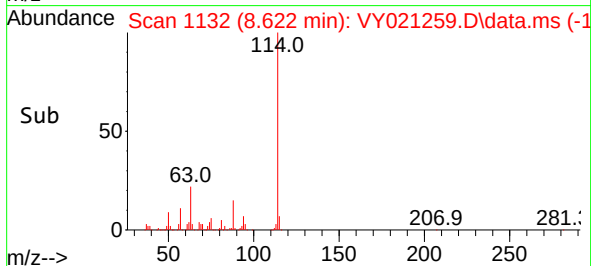
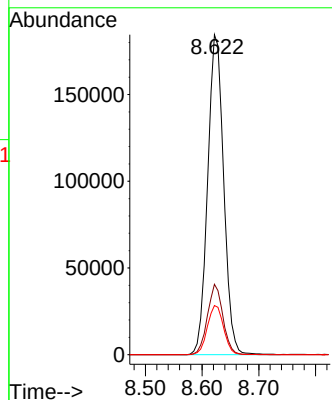
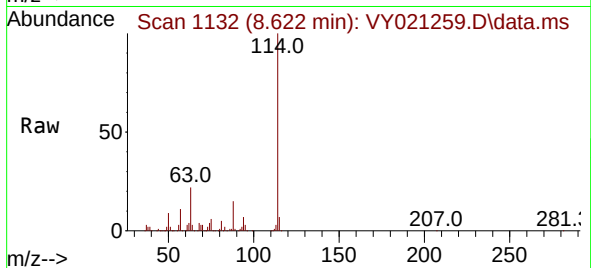
Tgt Ion:114 Resp: 362333

Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.4

88 15.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 53.314 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY021259.D

Acq: 20 Feb 2025 19:03

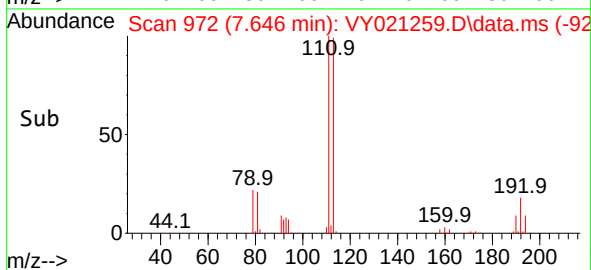
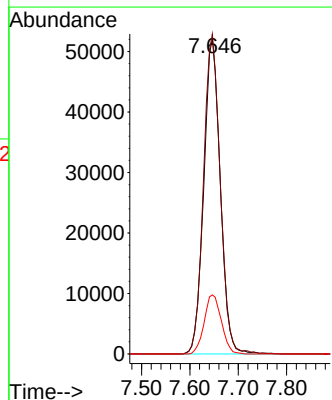
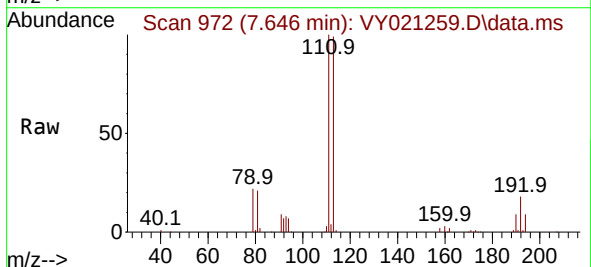
Tgt Ion:113 Resp: 123799

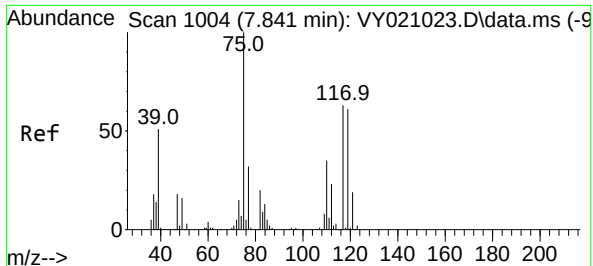
Ion Ratio Lower Upper

113 100

111 102.2 83.8 125.6

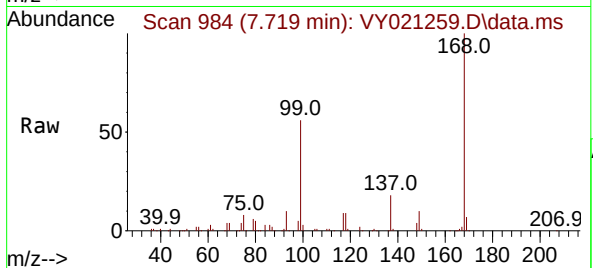
192 19.4 14.5 21.7



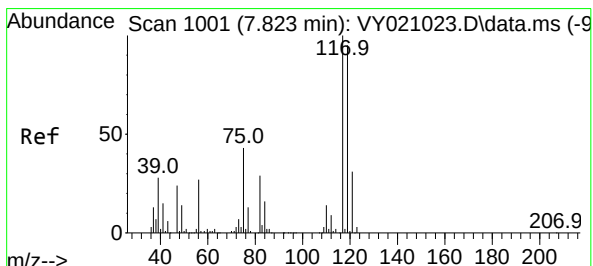
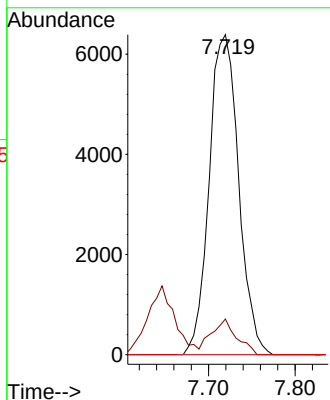
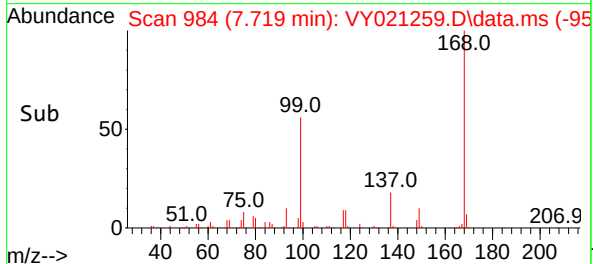


#36
 1,1-Dichloropropene
 Concen: 4.395 ug/l
 RT: 7.719 min Scan# 984
 Delta R.T. -0.122 min
 Lab File: VY021259.D
 Acq: 20 Feb 2025 19:03

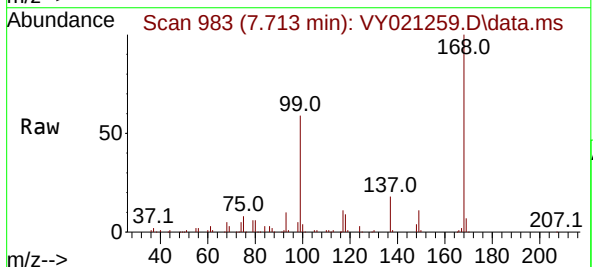
Instrument :
 MSVOA_Y
 ClientSampleId :



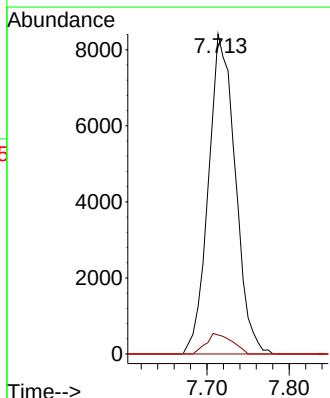
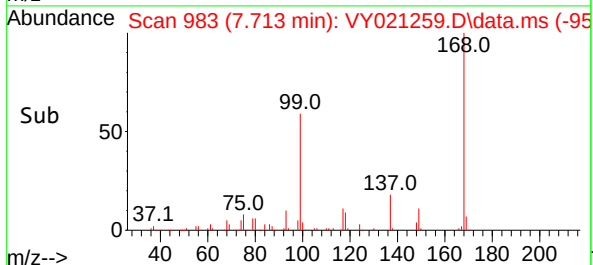
Tgt Ion: 75 Resp: 15117
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.4 52.3#
 77 0.0 24.7 37.1#

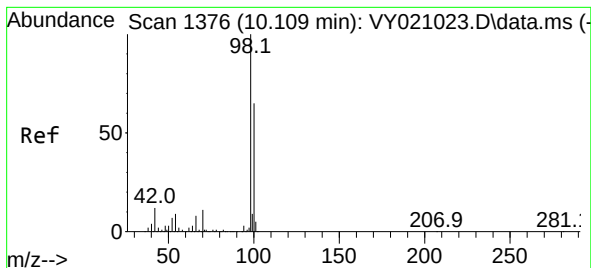


#38
 Carbon Tetrachloride
 Concen: 4.752 ug/l
 RT: 7.713 min Scan# 983
 Delta R.T. -0.110 min
 Lab File: VY021259.D
 Acq: 20 Feb 2025 19:03



Tgt Ion: 117 Resp: 19099
 Ion Ratio Lower Upper
 117 100
 119 5.9 76.0 114.0#
 121 0.0 24.2 36.2#

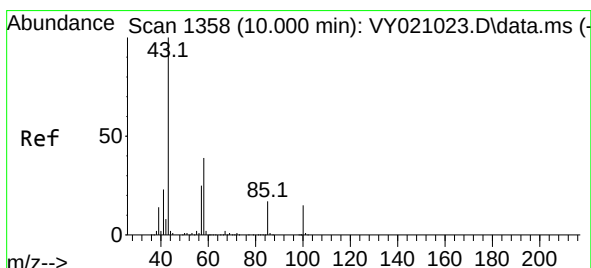
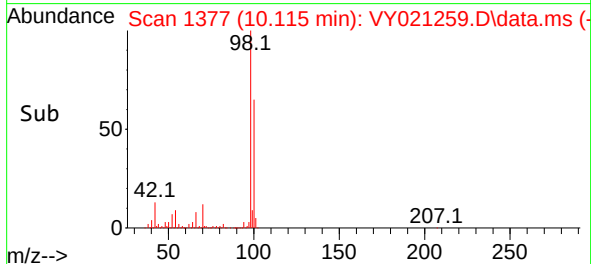
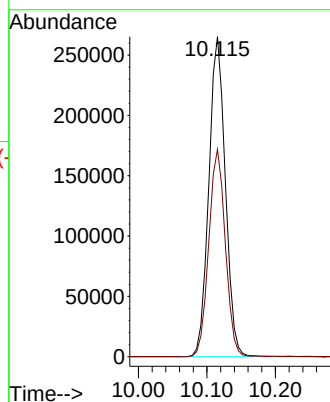
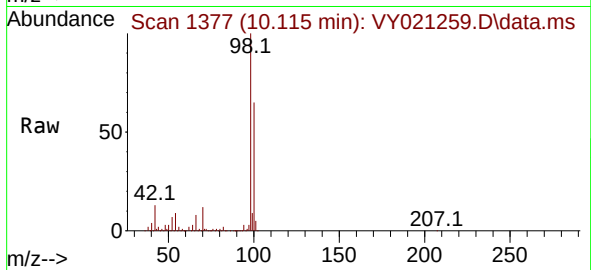




#50
Toluene-d8
Concen: 50.274 ug/l
RT: 10.115 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021259.D
Acq: 20 Feb 2025 19:03

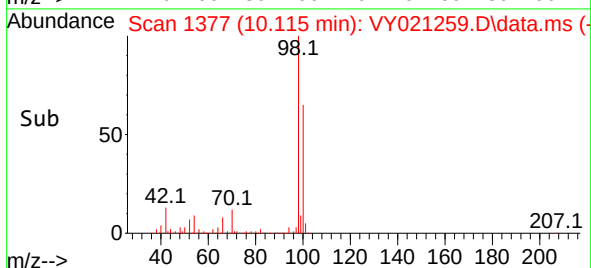
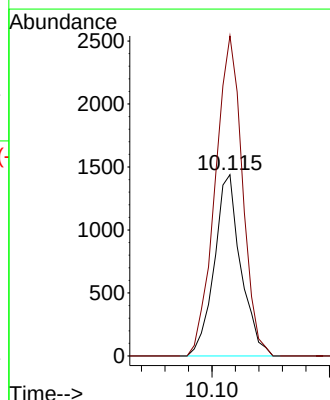
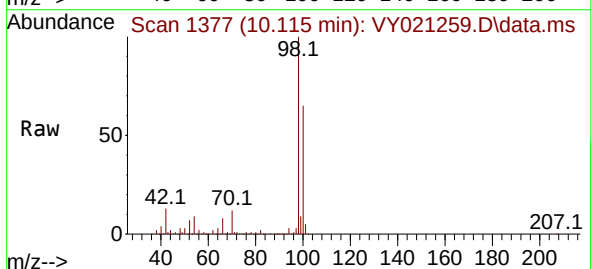
Instrument :
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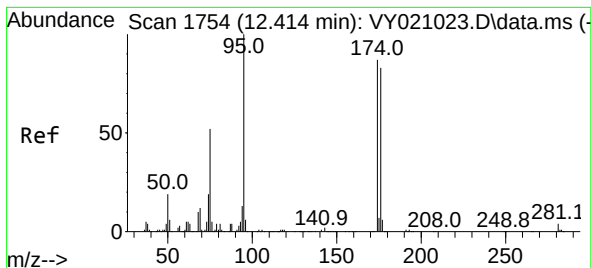
Tgt Ion: 98 Resp: 444438
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.496 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.116 min
Lab File: VY021259.D
Acq: 20 Feb 2025 19:03

Tgt Ion: 43 Resp: 2255
Ion Ratio Lower Upper
43 100
58 181.6 32.2 48.2#

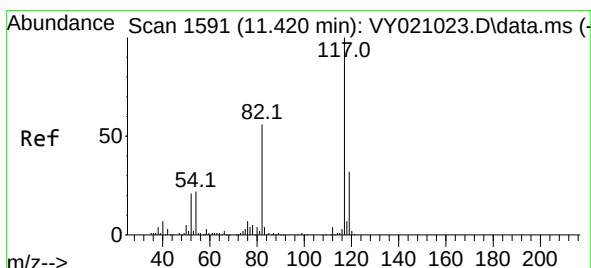
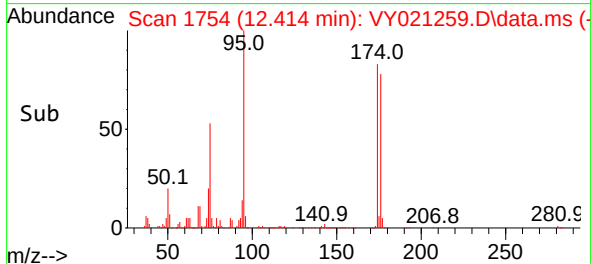
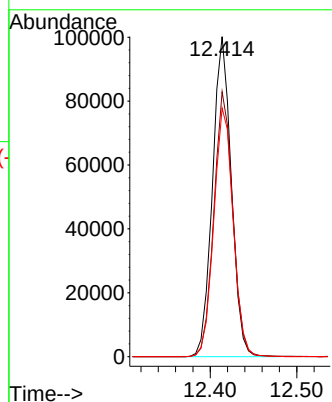
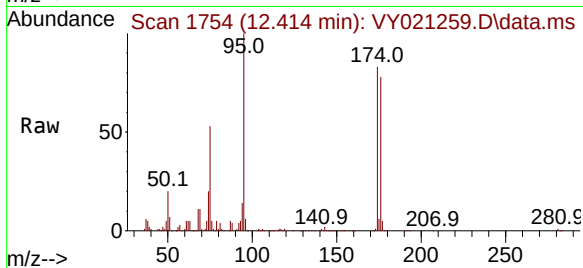




#62
4-Bromofluorobenzene
Concen: 52.271 ug/l
RT: 12.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021259.D
Acq: 20 Feb 2025 19:03

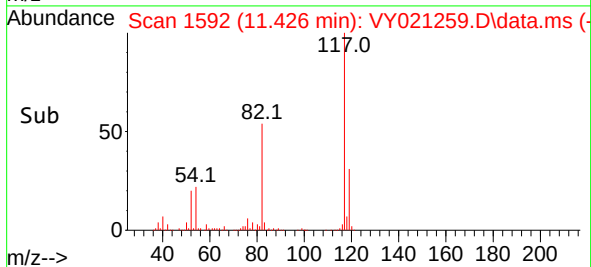
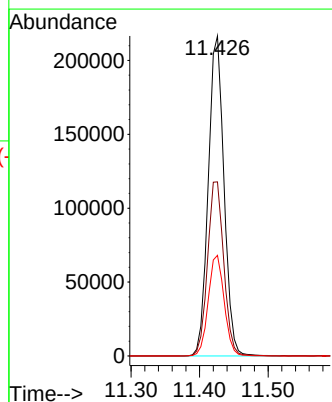
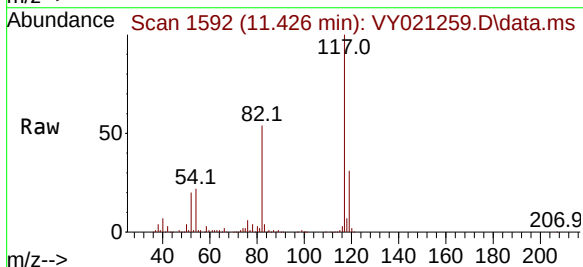
Instrument :
MSVOA_Y
ClientSampleId :

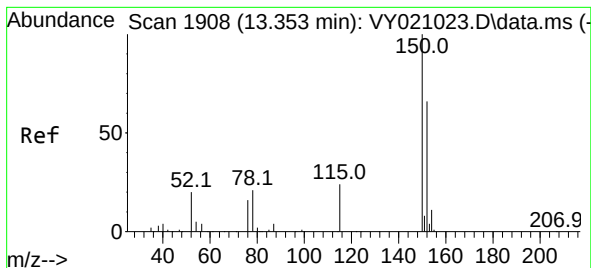
Tgt Ion: 95 Resp: 150964
Ion Ratio Lower Upper
95 100
174 83.5 0.0 160.0
176 80.0 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021259.D
Acq: 20 Feb 2025 19:03

Tgt Ion: 117 Resp: 345363
Ion Ratio Lower Upper
117 100
82 54.4 43.8 65.8
119 31.4 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

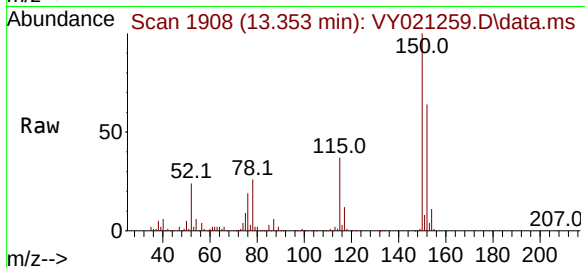
Lab File: VY021259.D

Acq: 20 Feb 2025 19:03

Instrument :

MSVOA_Y

ClientSampleId :



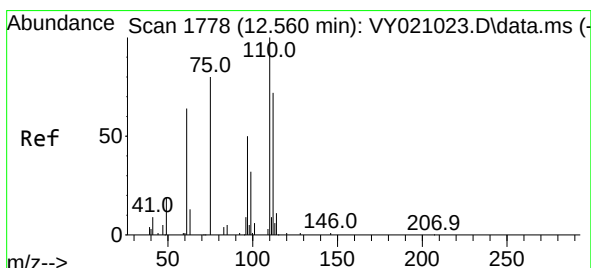
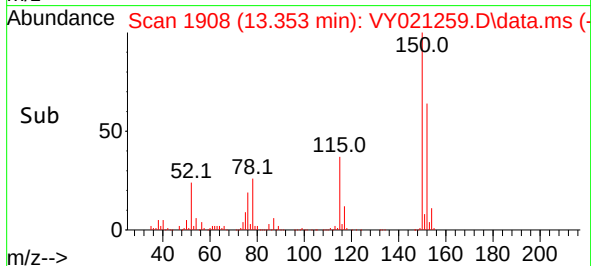
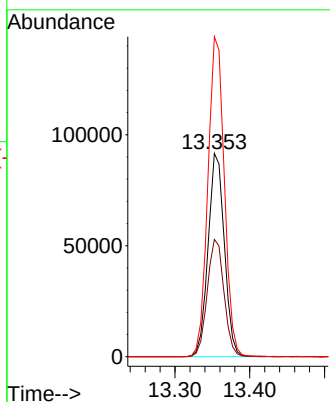
Tgt Ion:152 Resp: 138680

Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.0

150 158.8 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 65.517 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.146 min

Lab File: VY021259.D

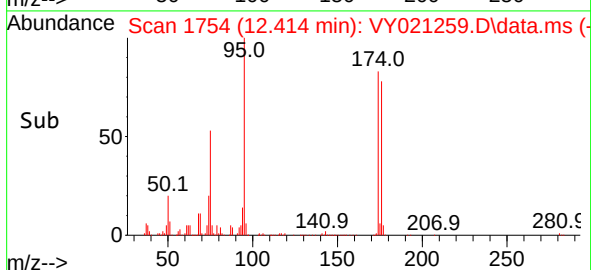
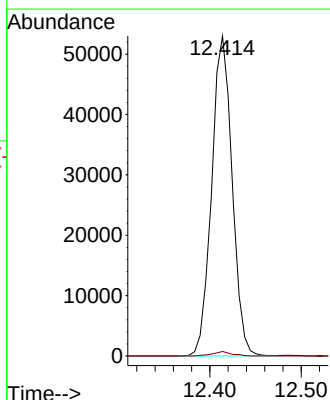
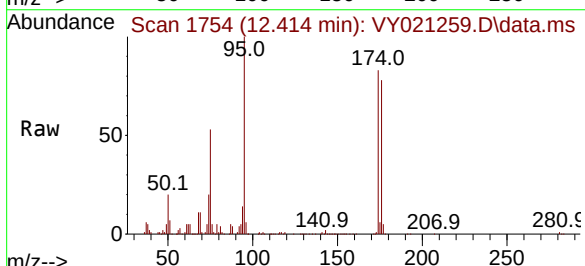
Acq: 20 Feb 2025 19:03

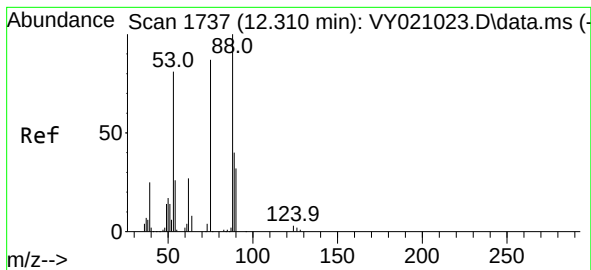
Tgt Ion: 75 Resp: 82420

Ion Ratio Lower Upper

75 100

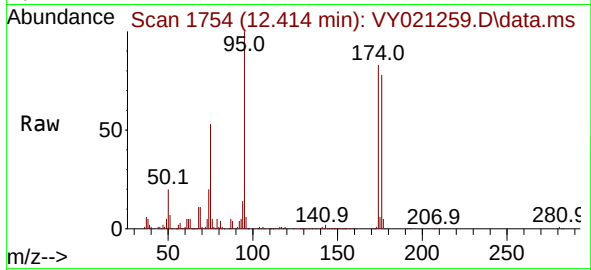
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 133.686 ug/l
RT: 12.414 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021259.D
Acq: 20 Feb 2025 19:03

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 82420
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

