

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021359.D
 Acq On : 27 Feb 2025 15:35
 Operator : SY/MD
 Sample : Q1421-07
 Misc : 5.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 28 00:42:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

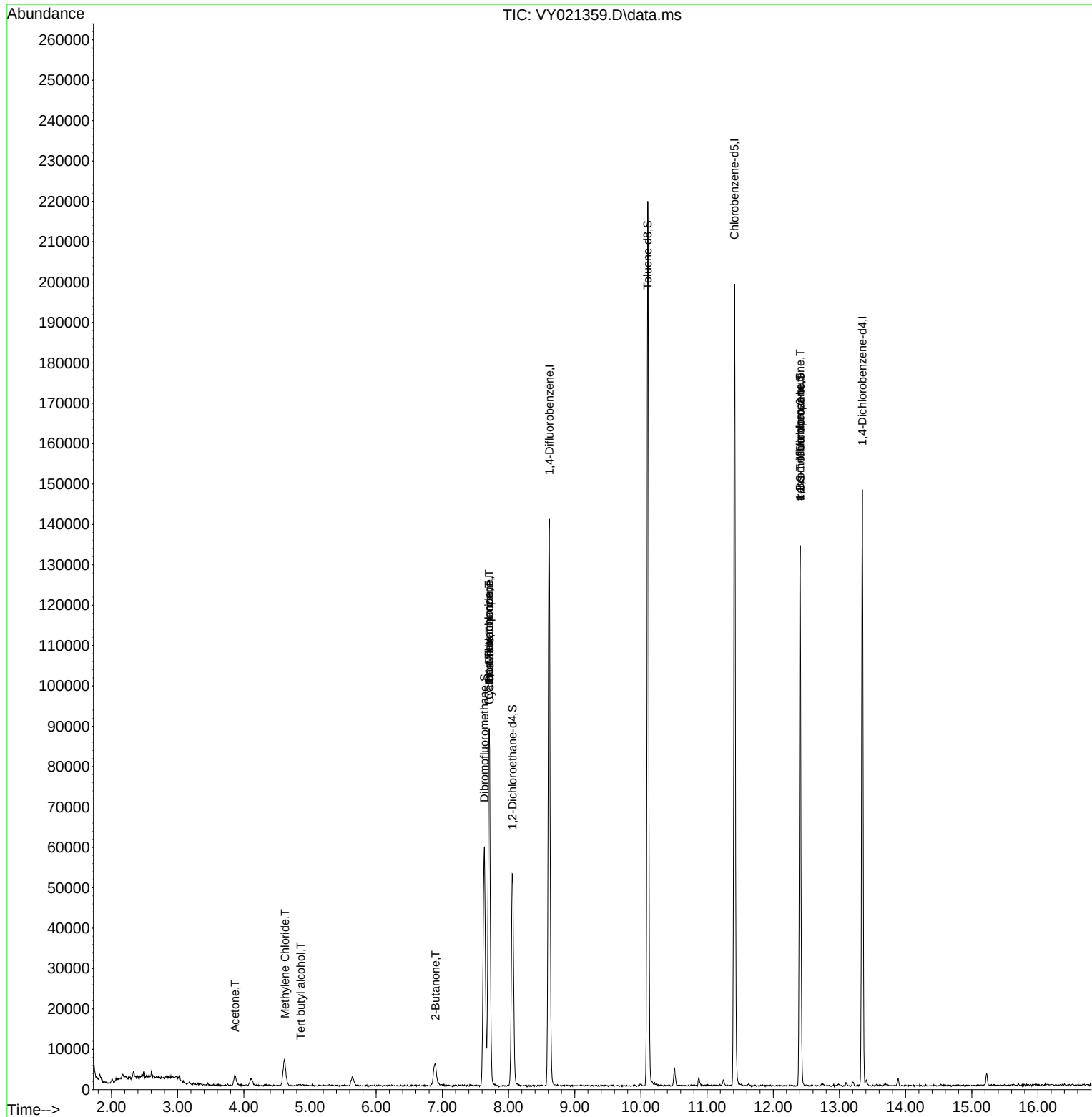
Internal Standards						
1) Pentafluorobenzene	7.707	168	68546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	116399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	100018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	36575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	43989	56.571	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.140%	
35) Dibromofluoromethane	7.634	113	41618	54.537	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.080%	
50) Toluene-d8	10.103	98	137133	46.497	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.000%	
62) 4-Bromofluorobenzene	12.408	95	38394	38.682	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	173	2.892	ug/l #	72
16) Acetone	3.866	43	4291	28.768	ug/l #	83
20) Methylene Chloride	4.622	84	4258	5.279	ug/l	92
25) 2-Butanone	6.896	43	473	2.101	ug/l #	52
31) Cyclohexane	7.713	56	1609	1.174	ug/l #	16
36) 1,1-Dichloropropene	7.707	75	5701	4.973	ug/l #	54
38) Carbon Tetrachloride	7.701	117	6805	5.281	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	20671	56.463	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	20671	125.498	ug/l #	10

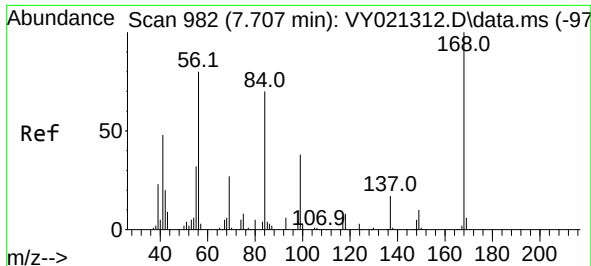
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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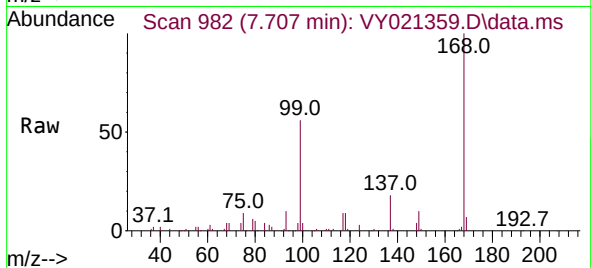
Quant Time: Feb 28 00:42:33 2025
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Quant Title : SW846 8260
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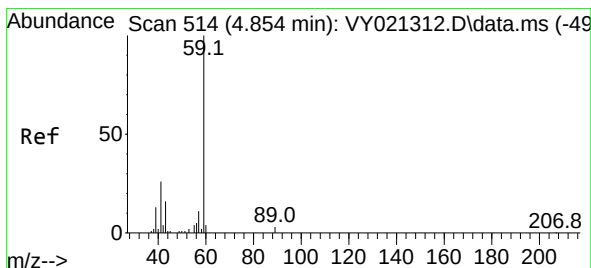
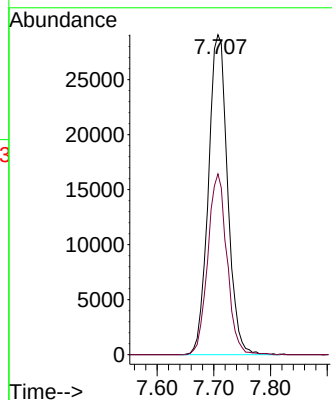
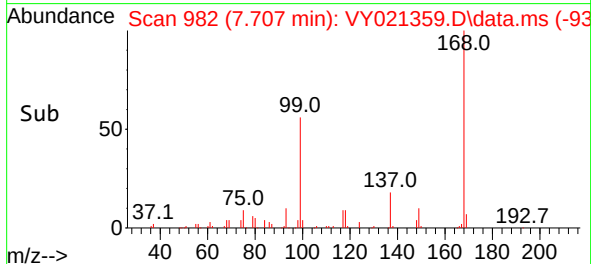


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

Instrument :
MSVOA_Y
ClientSampleId :

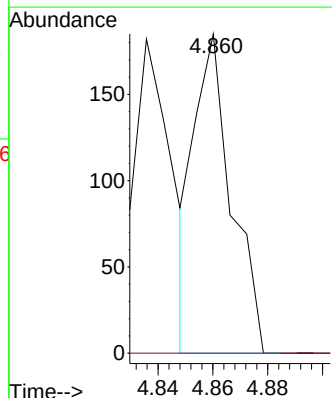
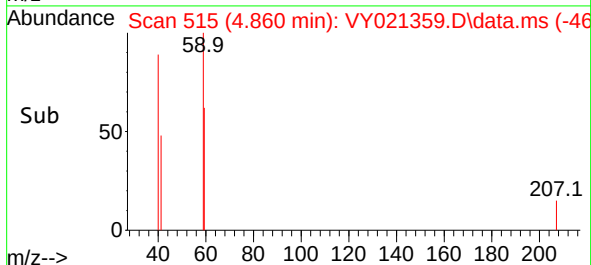
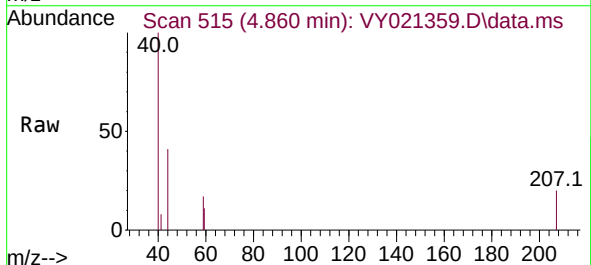


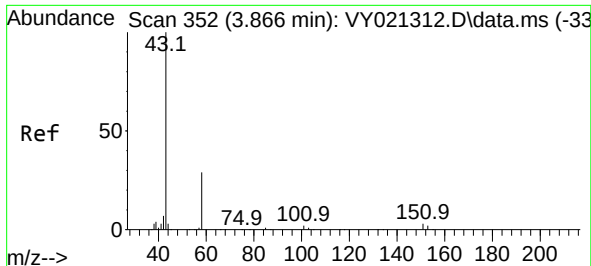
Tgt Ion:168 Resp: 68546
Ion Ratio Lower Upper
168 100
99 56.5 47.1 70.7



#11
Tert butyl alcohol
Concen: 2.892 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

Tgt Ion: 59 Resp: 173
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 28.768 ug/l

RT: 3.866 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY021359.D

Acq: 27 Feb 2025 15:35

Instrument :

MSVOA_Y

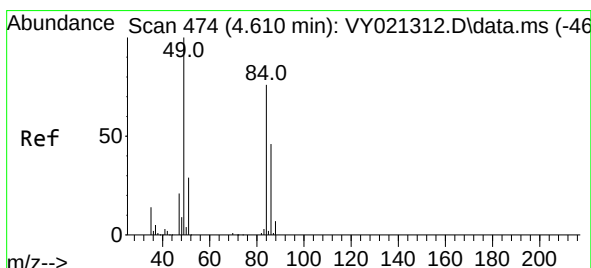
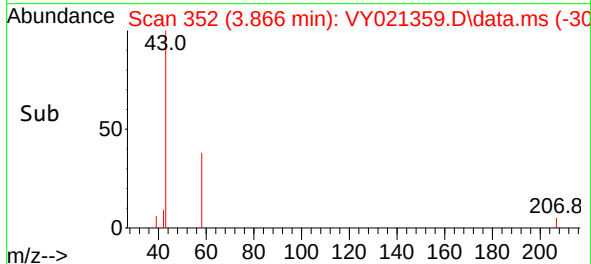
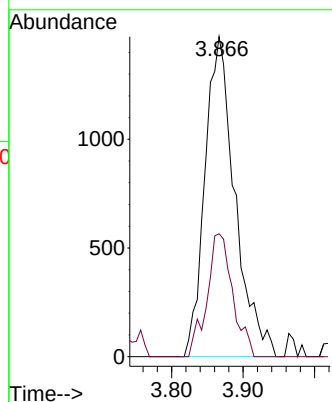
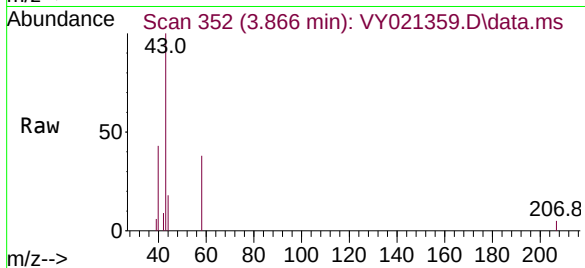
ClientSampleId :

Tgt Ion: 43 Resp: 4291

Ion Ratio Lower Upper

43 100

58 38.4 23.5 35.3#



#20

Methylene Chloride

Concen: 5.279 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.012 min

Lab File: VY021359.D

Acq: 27 Feb 2025 15:35

Tgt Ion: 84 Resp: 4258

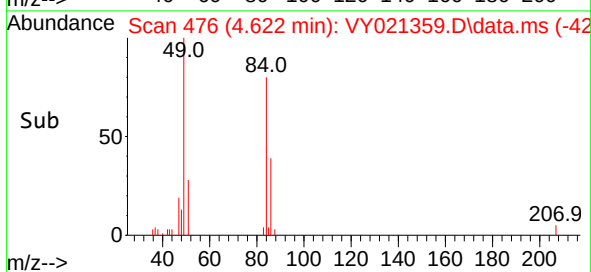
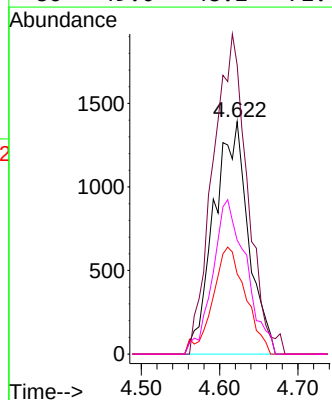
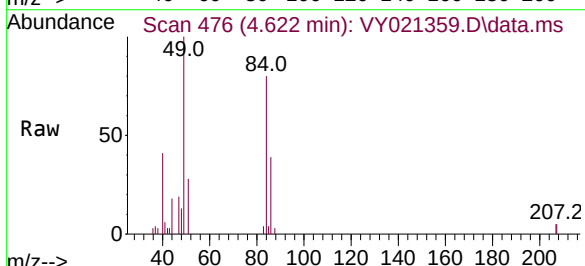
Ion Ratio Lower Upper

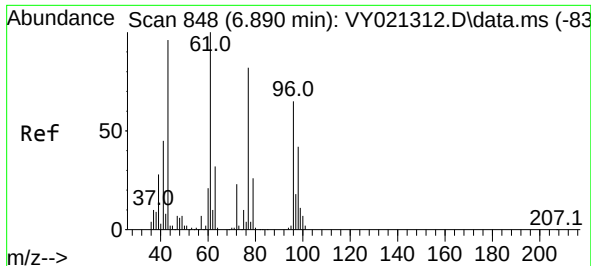
84 100

49 124.4 105.1 157.7

51 34.4 31.0 46.4

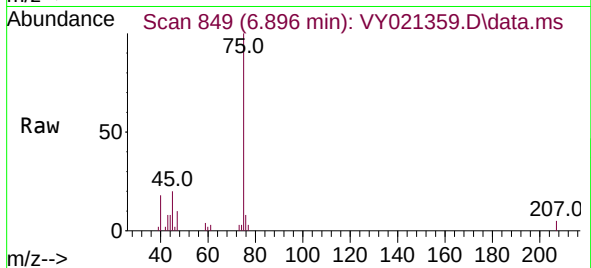
86 49.0 48.2 72.4



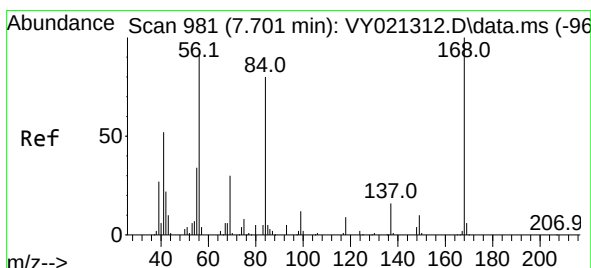
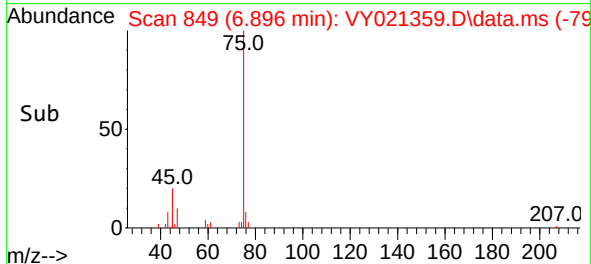
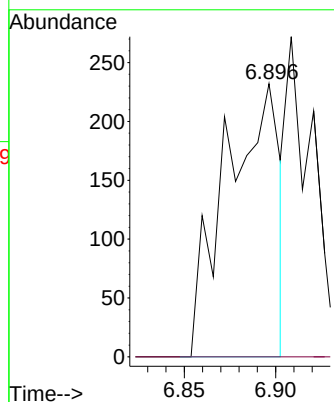


#25
2-Butanone
Concen: 2.101 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

Instrument :
MSVOA_Y
ClientSampleId :

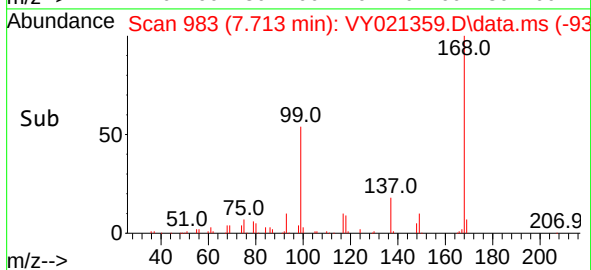
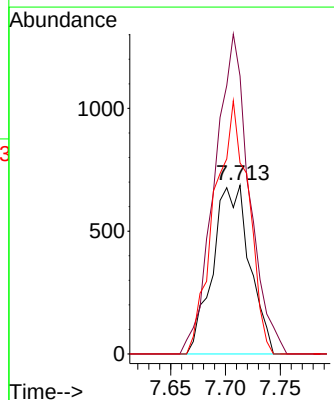
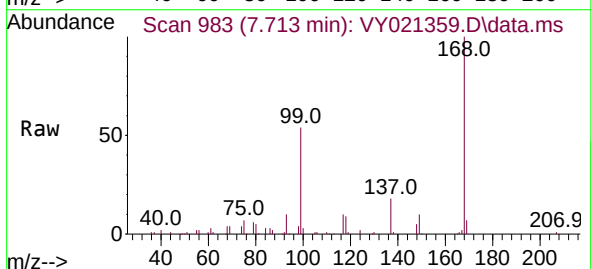


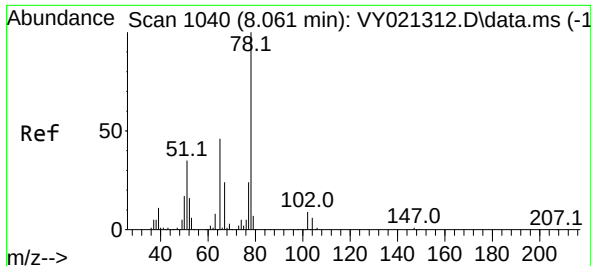
Tgt Ion: 43 Resp: 473
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

Tgt Ion: 56 Resp: 1609
Ion Ratio Lower Upper
56 100
69 164.8 26.2 39.4#
84 113.2 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 56.571 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY021359.D

Acq: 27 Feb 2025 15:35

Instrument :

MSVOA_Y

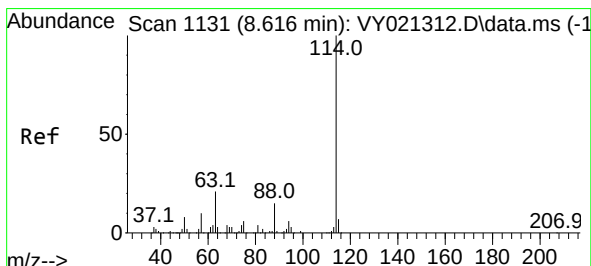
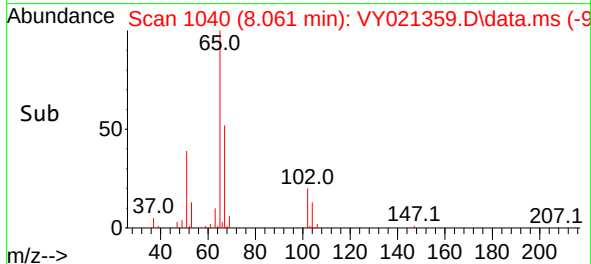
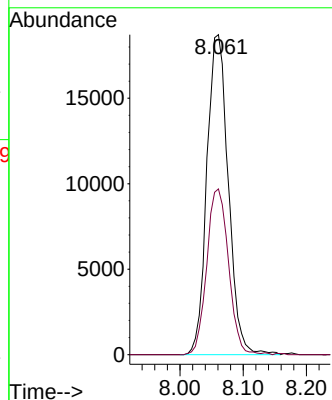
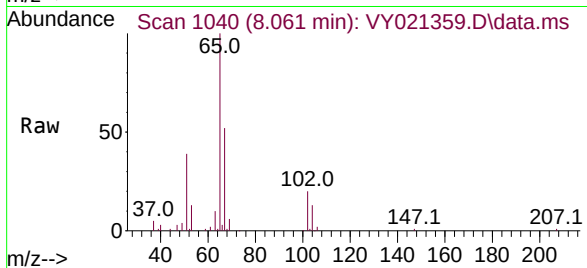
ClientSampleId :

Tgt Ion: 65 Resp: 43989

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021359.D

Acq: 27 Feb 2025 15:35

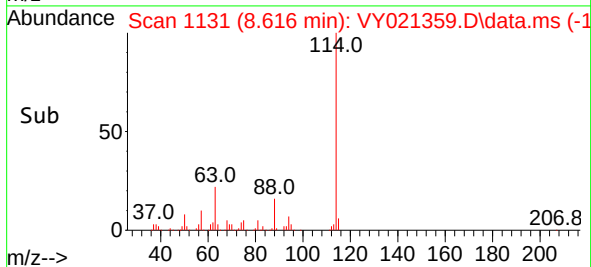
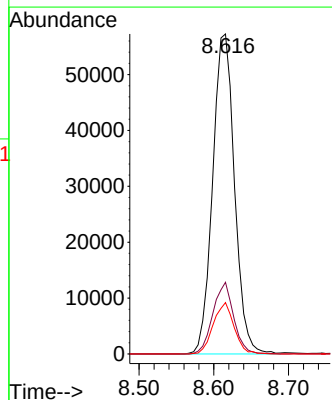
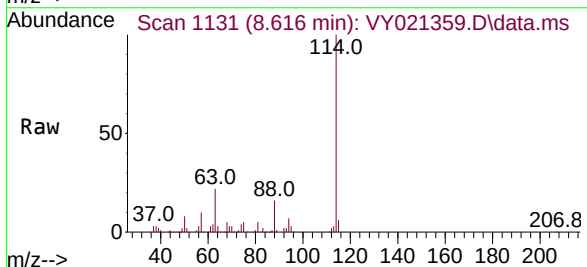
Tgt Ion: 114 Resp: 116399

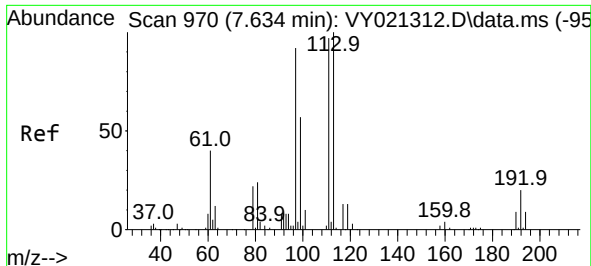
Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.2

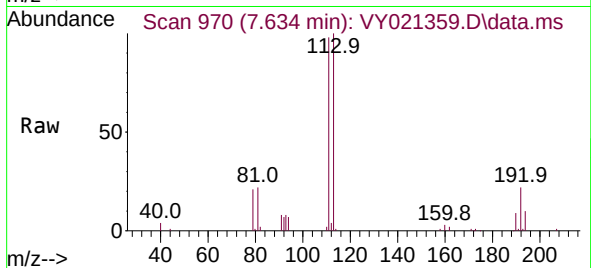
88 16.1 0.0 29.8



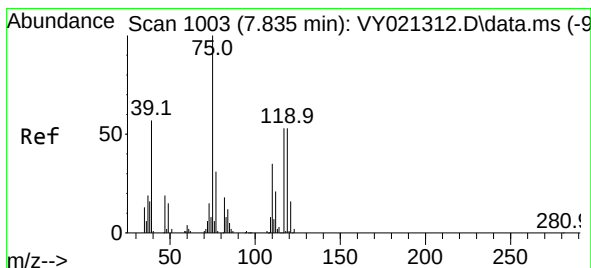
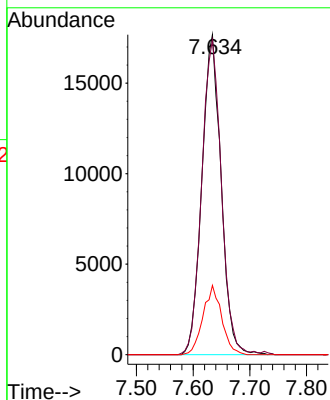
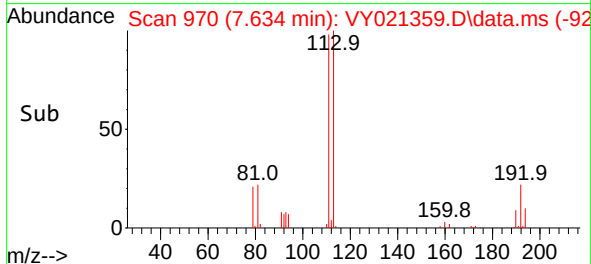


#35
Dibromofluoromethane
Concen: 54.537 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

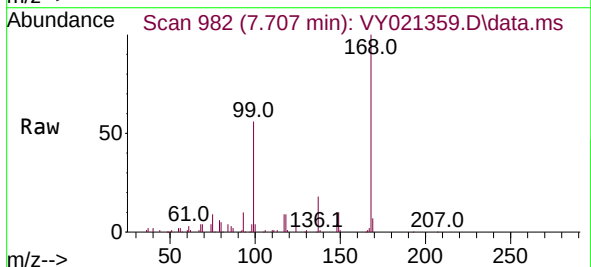
Instrument :
MSVOA_Y
ClientSampleId :



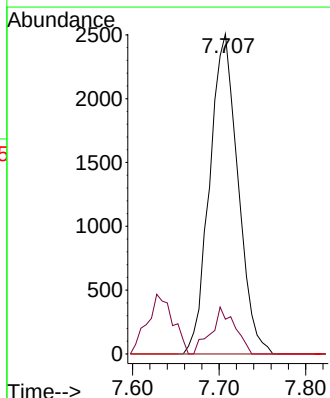
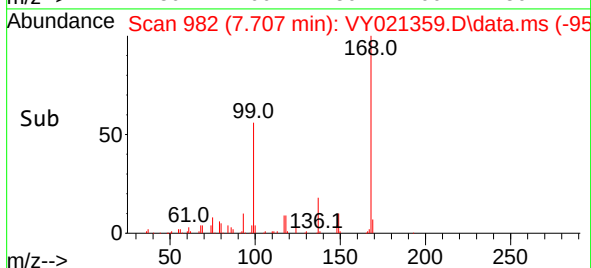
Tgt Ion:113 Resp: 41618
Ion Ratio Lower Upper
113 100
111 100.9 81.0 121.6
192 21.1 15.8 23.8

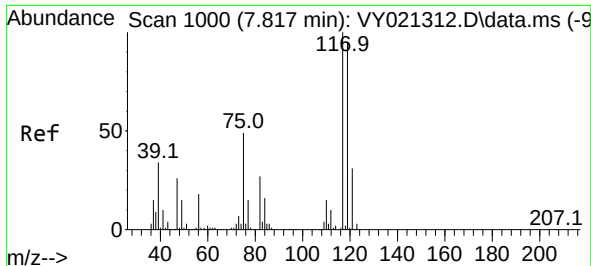


#36
1,1-Dichloropropene
Concen: 4.973 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35



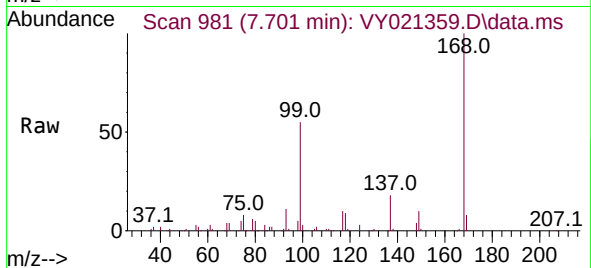
Tgt Ion: 75 Resp: 5701
Ion Ratio Lower Upper
75 100
110 12.3 16.9 50.7#
77 0.0 24.6 36.8#



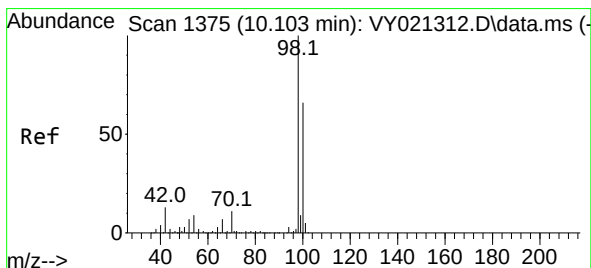
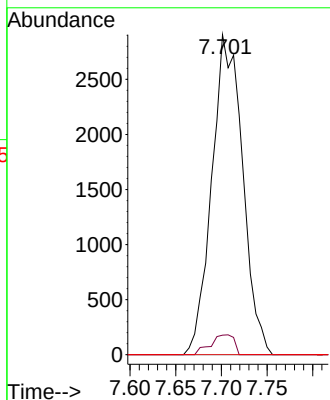
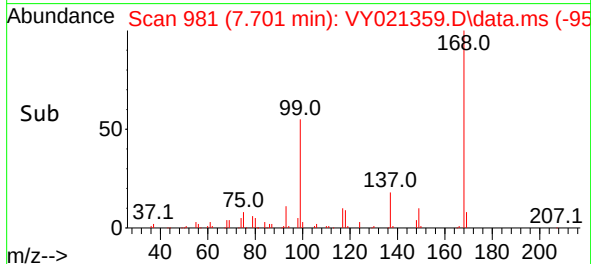


#38
Carbon Tetrachloride
Concen: 5.281 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

Instrument :
MSVOA_Y
ClientSampleId :

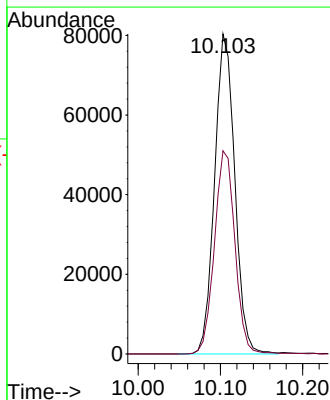
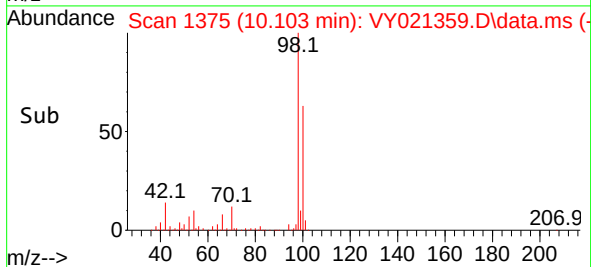
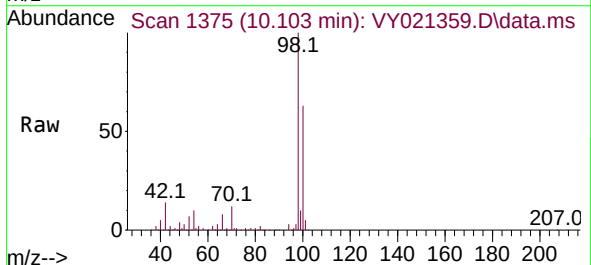


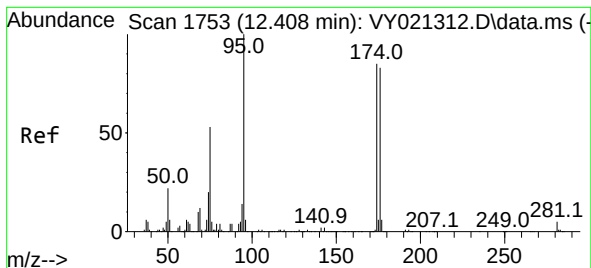
Tgt Ion:117 Resp: 6805
Ion Ratio Lower Upper
117 100
119 6.1 76.0 114.0#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 46.497 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

Tgt Ion: 98 Resp: 137133
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6

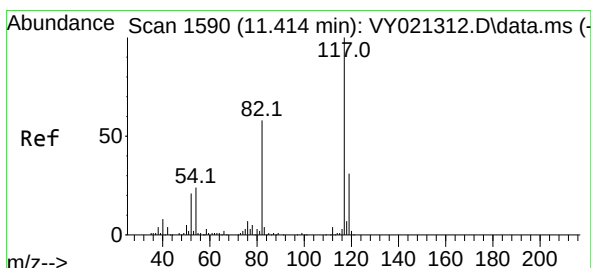
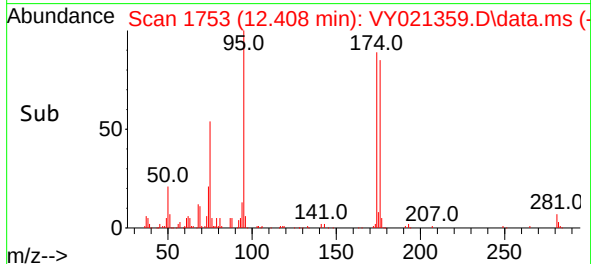
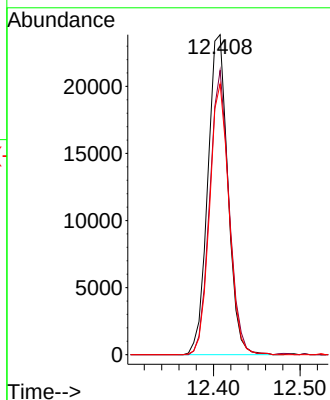
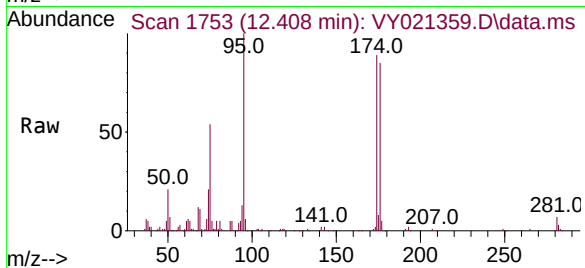




#62
4-Bromofluorobenzene
Concen: 38.682 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

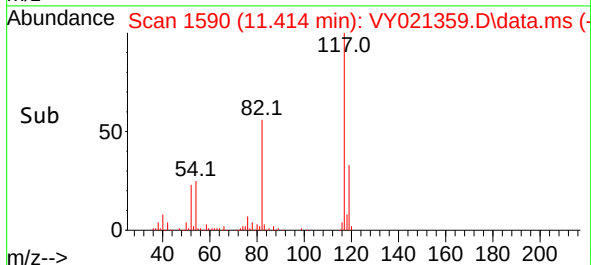
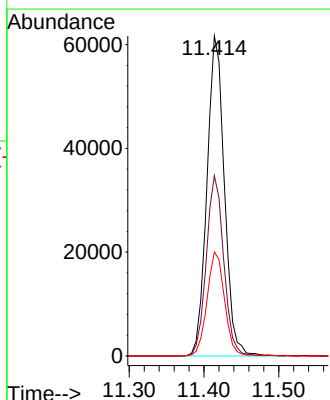
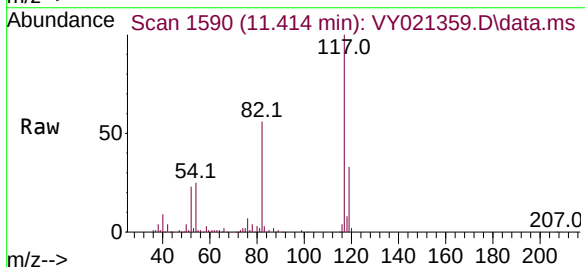
Instrument :
MSVOA_Y
ClientSampleId :

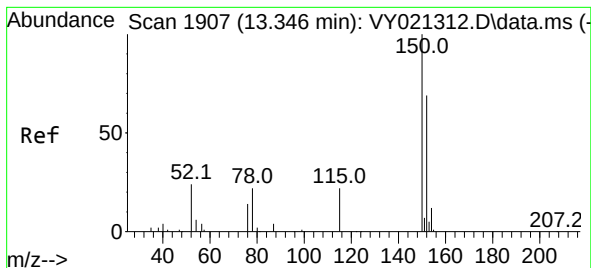
Tgt Ion: 95 Resp: 38394
Ion Ratio Lower Upper
95 100
174 85.8 0.0 168.0
176 82.1 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021359.D
Acq: 27 Feb 2025 15:35

Tgt Ion: 117 Resp: 100018
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 32.5 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021359.D

Acq: 27 Feb 2025 15:35

Instrument :

MSVOA_Y

ClientSampleId :

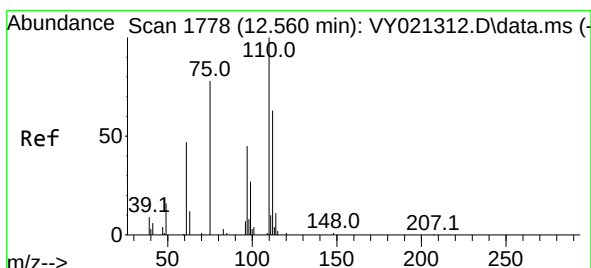
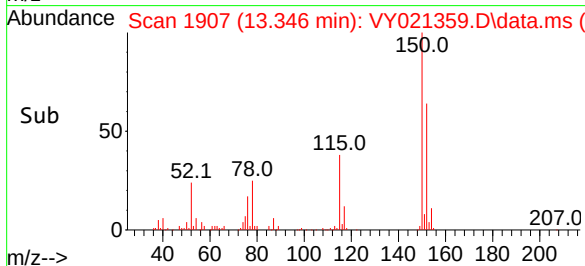
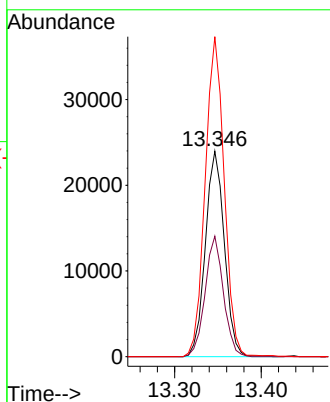
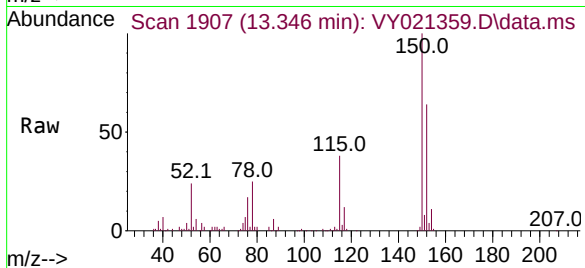
Tgt Ion:152 Resp: 36575

Ion Ratio Lower Upper

152 100

115 56.5 29.3 88.0

150 155.9 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 56.463 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY021359.D

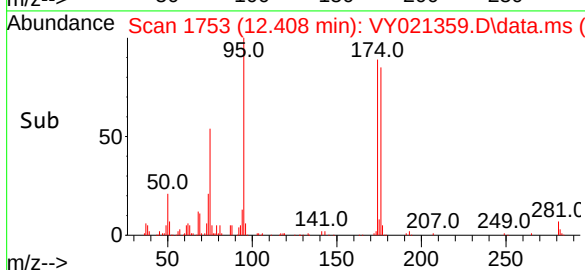
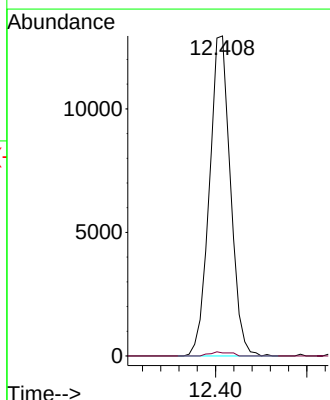
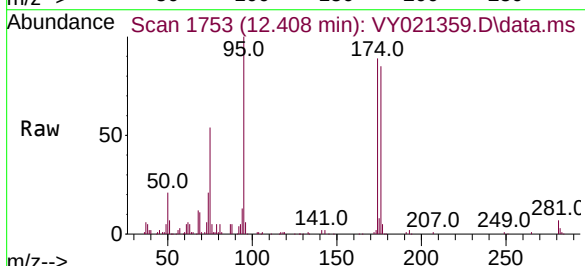
Acq: 27 Feb 2025 15:35

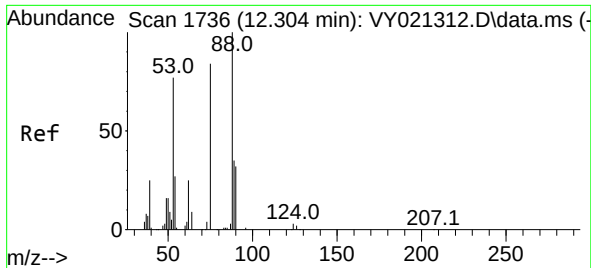
Tgt Ion: 75 Resp: 20671

Ion Ratio Lower Upper

75 100

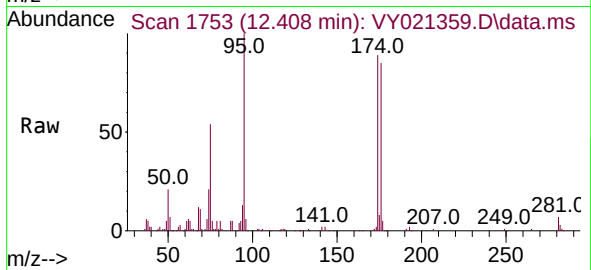
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.498 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021359.D
 Acq: 27 Feb 2025 15:35

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	79.1	118.7#
89	0.2	35.6	53.4#

