

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021368.D
 Acq On : 27 Feb 2025 19:06
 Operator : SY/MD
 Sample : Q1448-03
 Misc : 6.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P2

Quant Time: Feb 28 00:44:26 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)

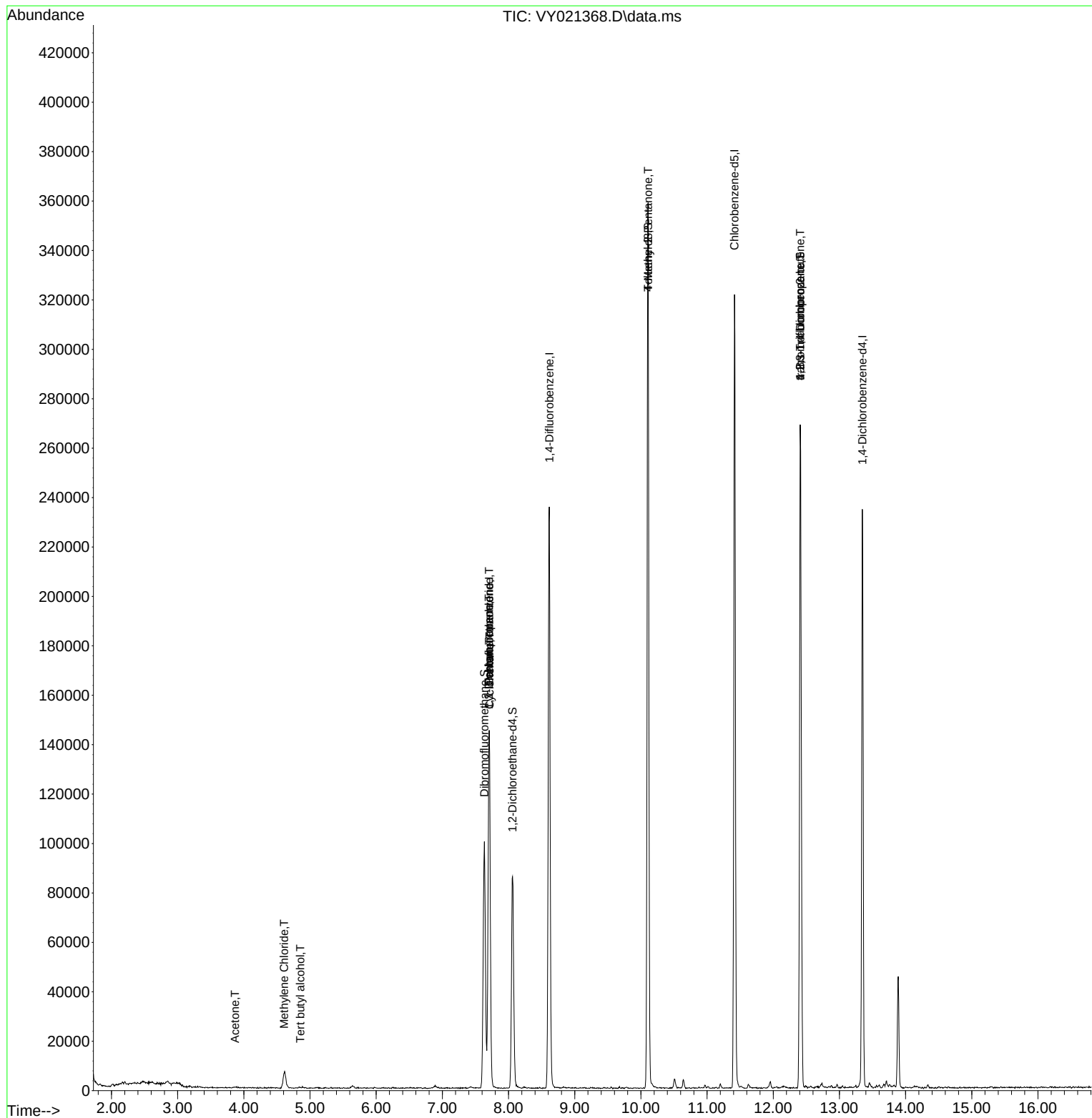
Internal Standards						
1) Pentafluorobenzene	7.707	168	110830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	195290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	166522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	57355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	70693	56.227	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.460%	
35) Dibromofluoromethane	7.634	113	68645	53.615	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.220%	
50) Toluene-d8	10.109	98	234138	47.318	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.640%	
62) 4-Bromofluorobenzene	12.408	95	64050	38.462	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.920%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	478	4.943	ug/l #	72
16) Acetone	3.866	43	438	1.816	ug/l #	45
20) Methylene Chloride	4.610	84	4547	3.487	ug/l #	80
31) Cyclohexane	7.713	56	2606	1.176	ug/l #	39
36) 1,1-Dichloropropene	7.701	75	8900	4.628	ug/l #	52
38) Carbon Tetrachloride	7.707	117	11497	5.317	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	1263	1.332	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	36436	63.467	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	36436	141.065	ug/l #	11

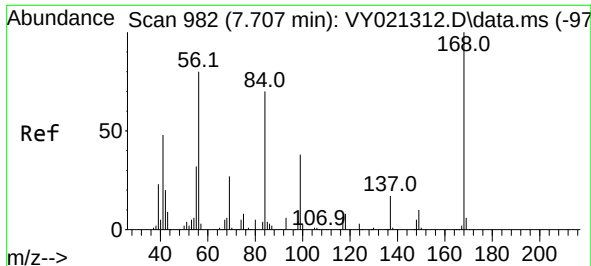
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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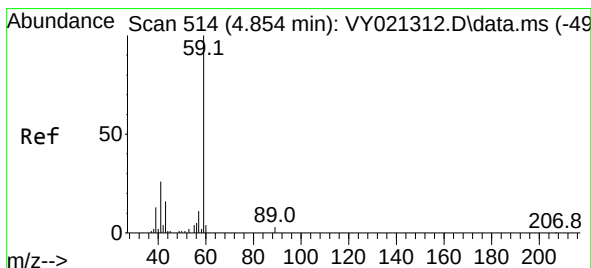
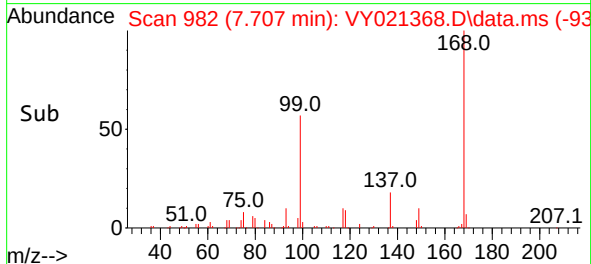
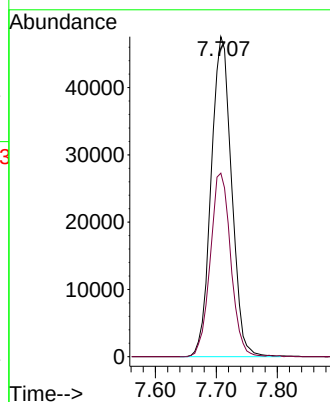
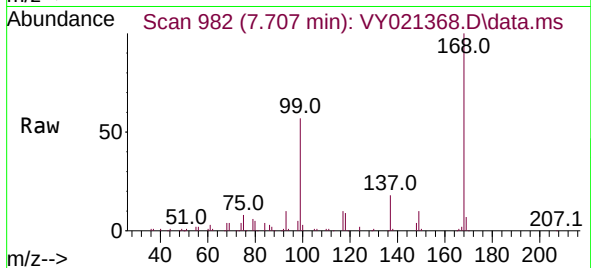




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021368.D
Acq: 27 Feb 2025 19:06

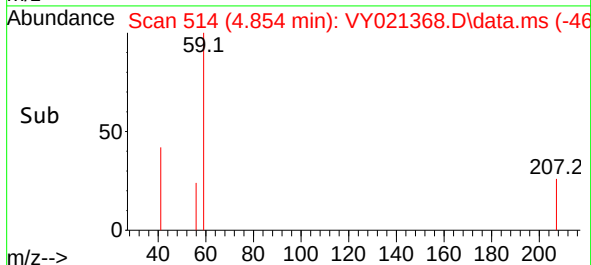
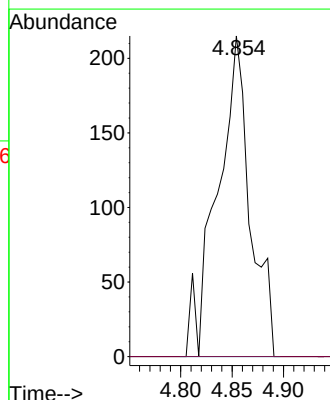
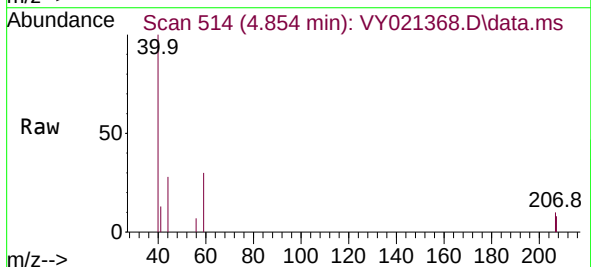
Instrument :
MSVOA_Y
ClientSampleId :
P2

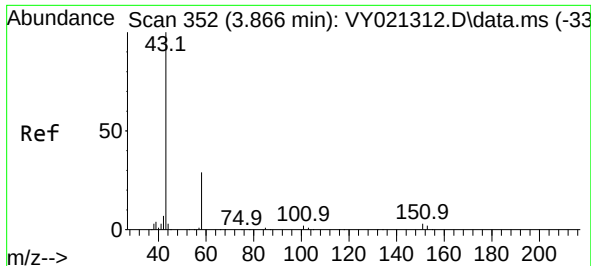
Tgt Ion:168 Resp: 110830
Ion Ratio Lower Upper
168 100
99 57.4 47.1 70.7



#11
Tert butyl alcohol
Concen: 4.943 ug/l
RT: 4.854 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY021368.D
Acq: 27 Feb 2025 19:06

Tgt Ion: 59 Resp: 478
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

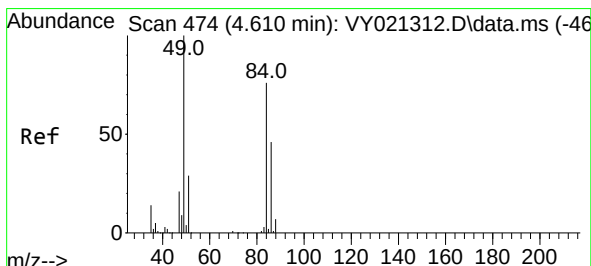
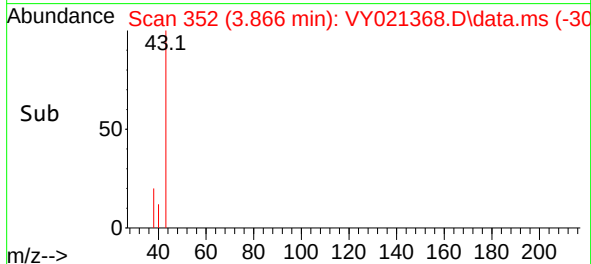
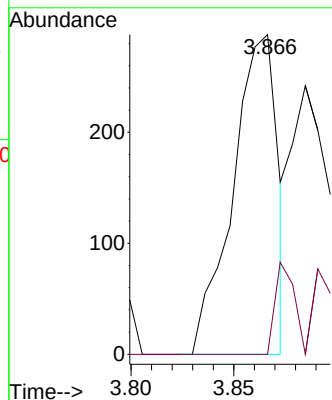
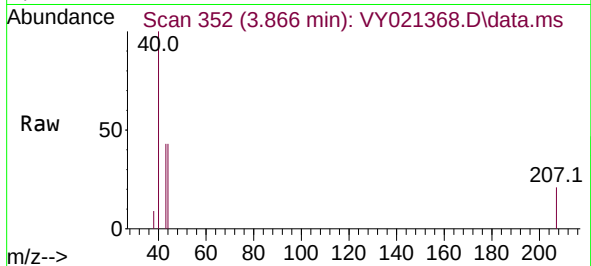




#16
Acetone
Concen: 1.816 ug/l
RT: 3.866 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY021368.D
Acq: 27 Feb 2025 19:06

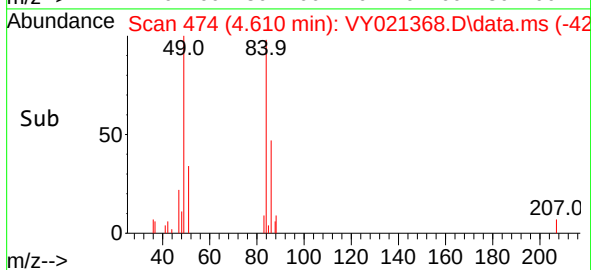
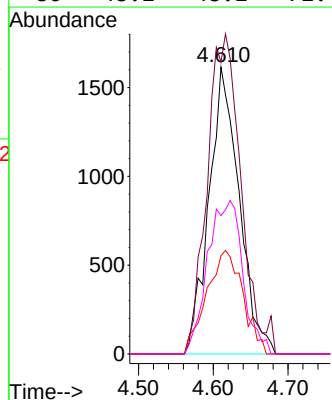
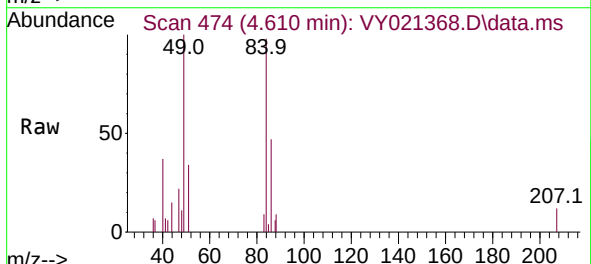
Instrument :
MSVOA_Y
ClientSampleId :
P2

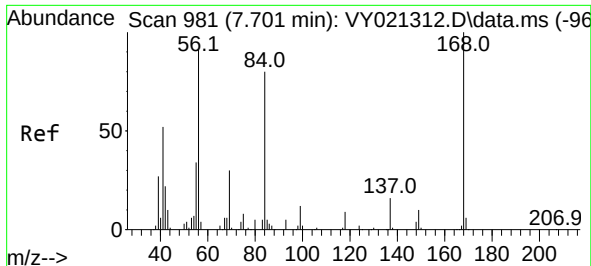
Tgt Ion: 43 Resp: 438
Ion Ratio Lower Upper
43 100
58 0.0 23.5 35.3#



#20
Methylene Chloride
Concen: 3.487 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021368.D
Acq: 27 Feb 2025 19:06

Tgt Ion: 84 Resp: 4547
Ion Ratio Lower Upper
84 100
49 101.8 105.1 157.7#
51 34.3 31.0 46.4
86 48.2 48.2 72.4#

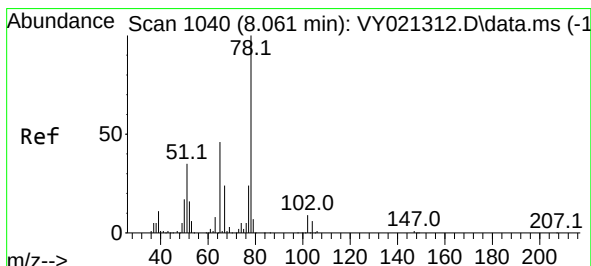
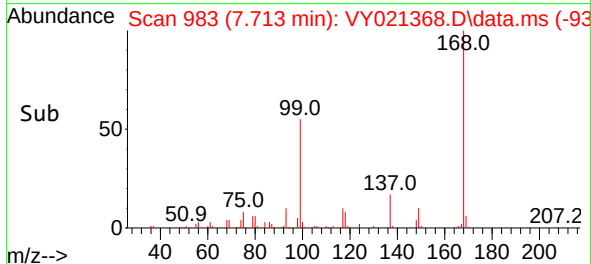
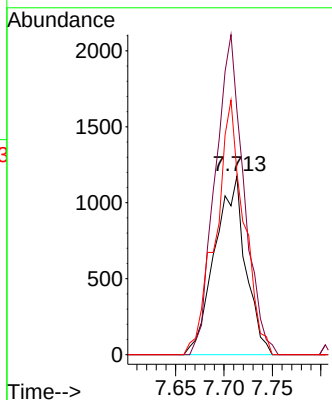
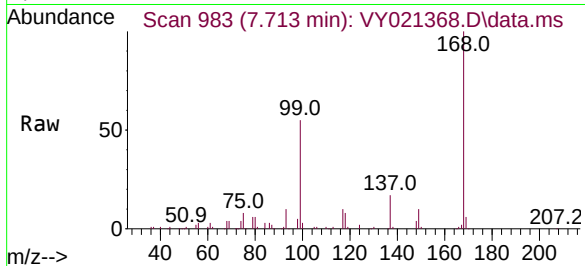




#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY021368.D
Acq: 27 Feb 2025 19:06

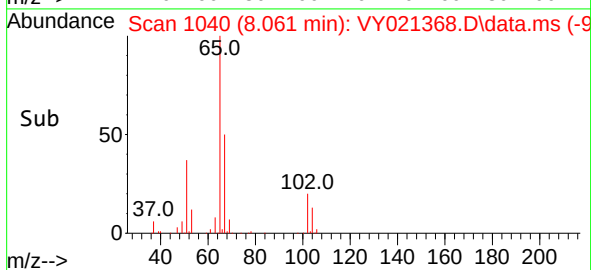
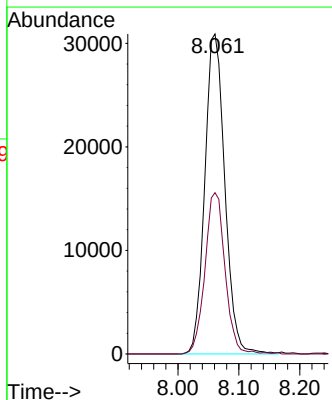
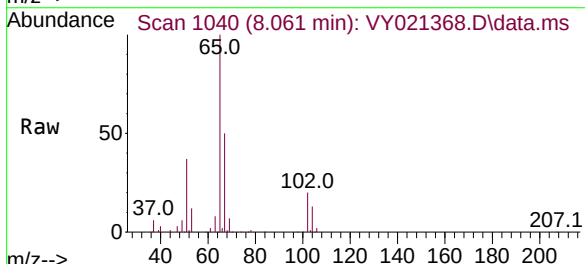
Instrument :
MSVOA_Y
ClientSampleId :
P2

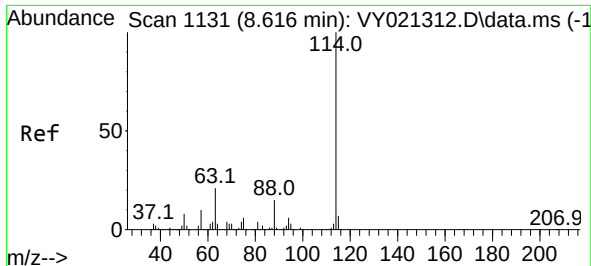
Tgt Ion: 56 Resp: 2606
Ion Ratio Lower Upper
56 100
69 136.8 26.2 39.4#
84 102.0 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 56.227 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021368.D
Acq: 27 Feb 2025 19:06

Tgt Ion: 65 Resp: 70693
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.6

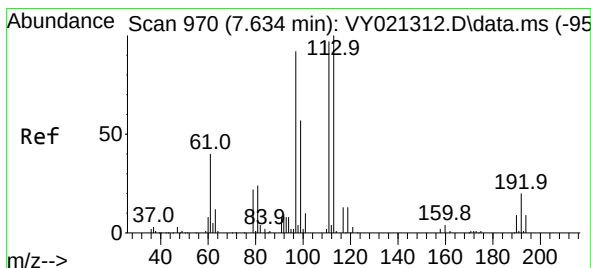
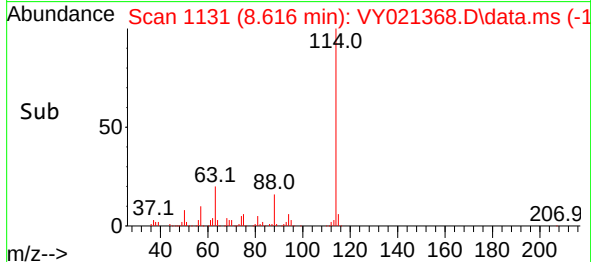
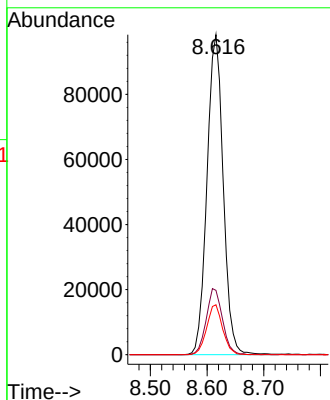
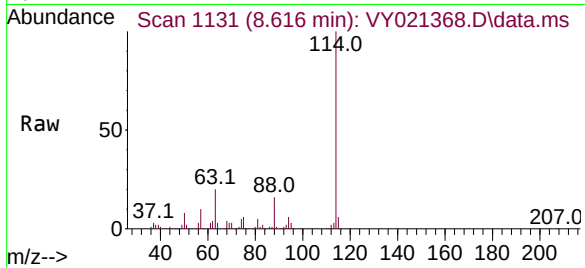




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021368.D
Acq: 27 Feb 2025 19:06

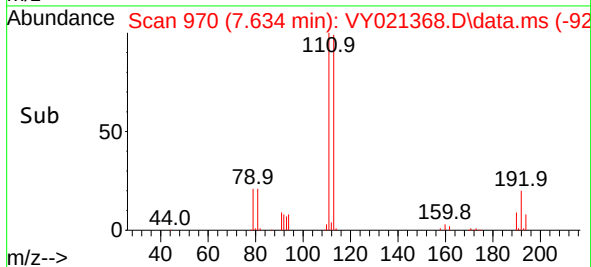
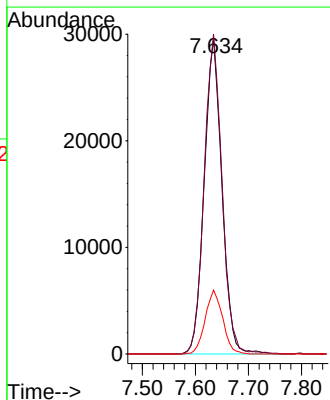
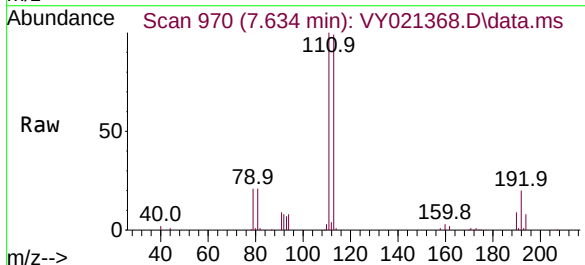
Instrument :
MSVOA_Y
ClientSampleId :
P2

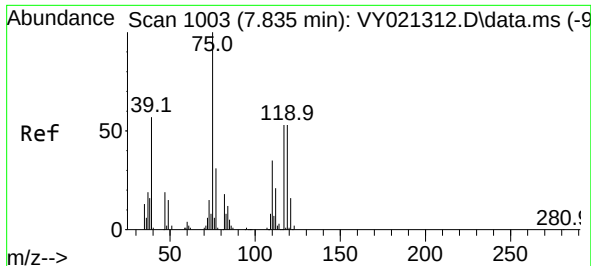
Tgt Ion:114 Resp: 195290
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.2
88 15.6 0.0 29.8



#35
Dibromofluoromethane
Concen: 53.615 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021368.D
Acq: 27 Feb 2025 19:06

Tgt Ion:113 Resp: 68645
Ion Ratio Lower Upper
113 100
111 102.1 81.0 121.6
192 20.0 15.8 23.8





#36

1,1-Dichloropropene

Concen: 4.628 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY021368.D

Acq: 27 Feb 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

P2

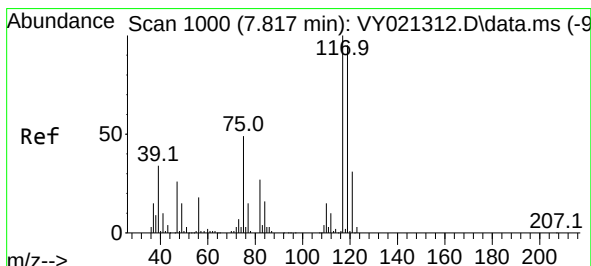
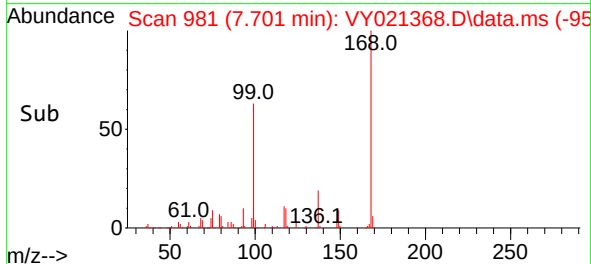
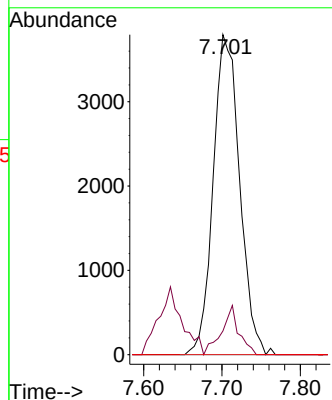
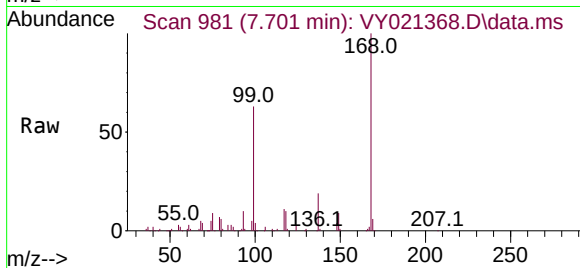
Tgt Ion: 75 Resp: 8900

Ion Ratio Lower Upper

75 100

110 10.1 16.9 50.7#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.317 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY021368.D

Acq: 27 Feb 2025 19:06

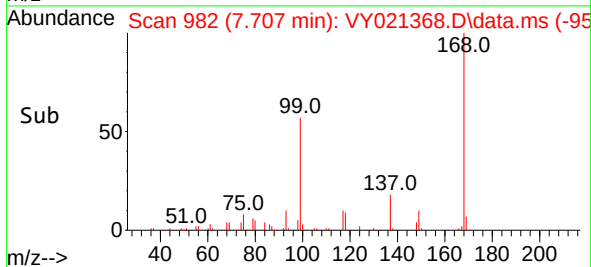
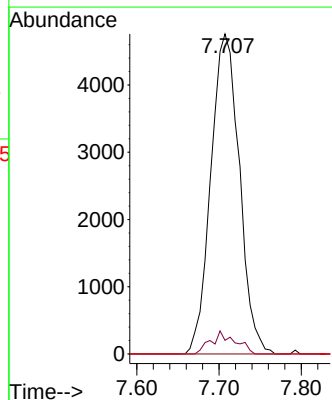
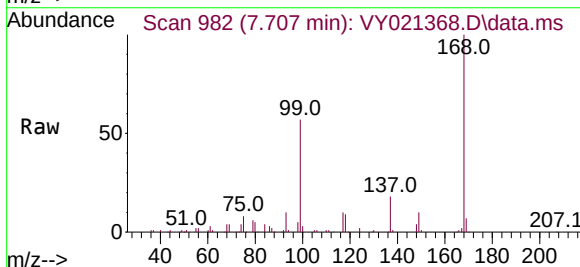
Tgt Ion: 117 Resp: 11497

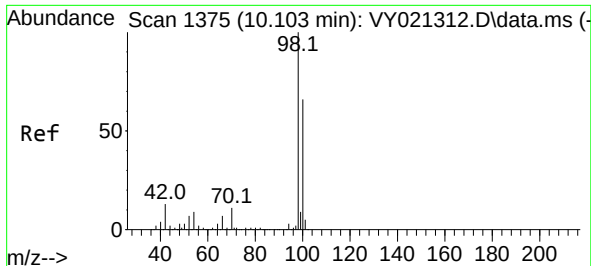
Ion Ratio Lower Upper

117 100

119 4.3 76.0 114.0#

121 0.0 24.9 37.3#

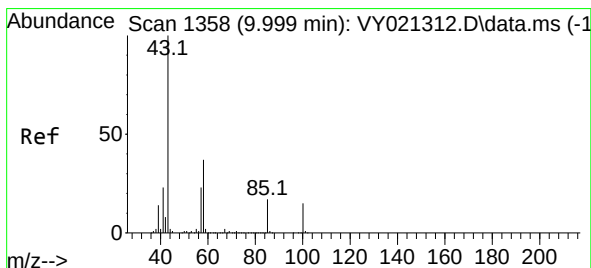
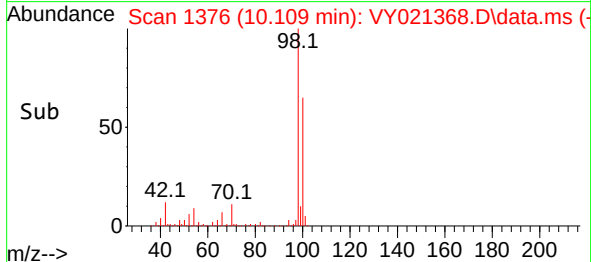
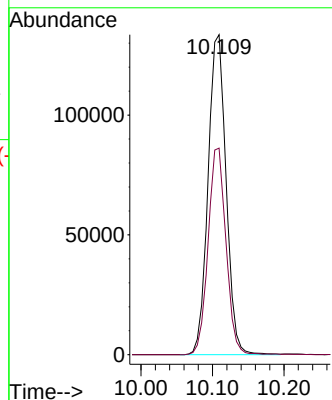
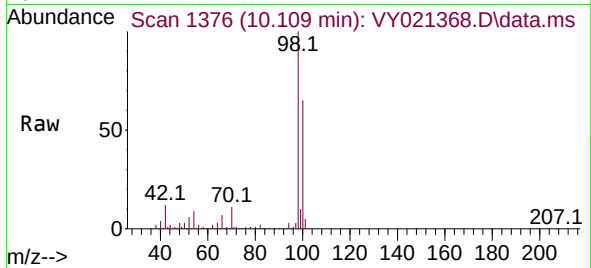




#50
Toluene-d8
Concen: 47.318 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY021368.D
Acq: 27 Feb 2025 19:06

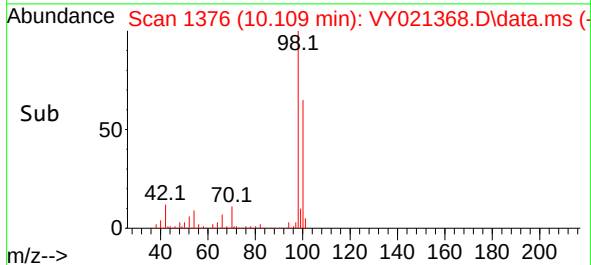
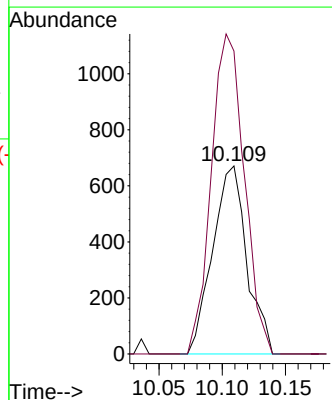
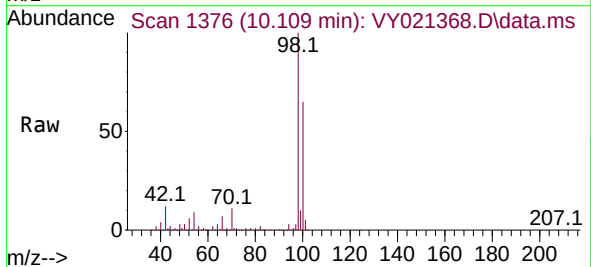
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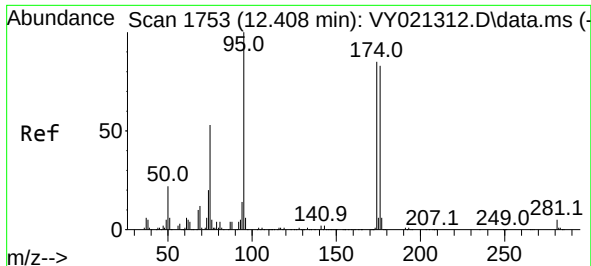
Tgt Ion: 98 Resp: 234138
Ion Ratio Lower Upper
98 100
100 64.1 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.332 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021368.D
Acq: 27 Feb 2025 19:06

Tgt Ion: 43 Resp: 1263
Ion Ratio Lower Upper
43 100
58 164.3 30.1 45.1#

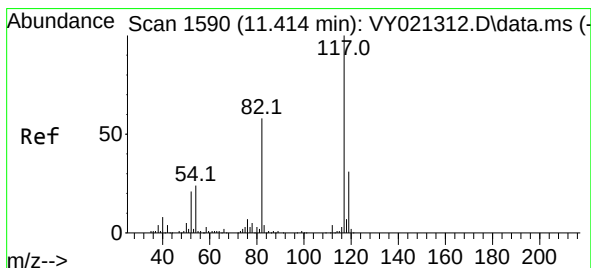
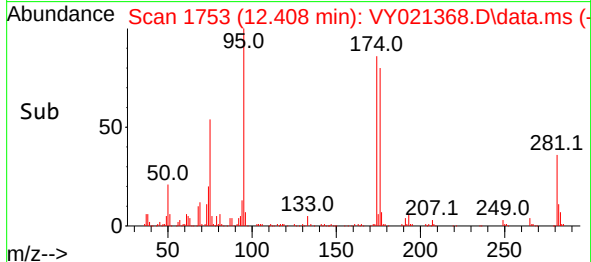
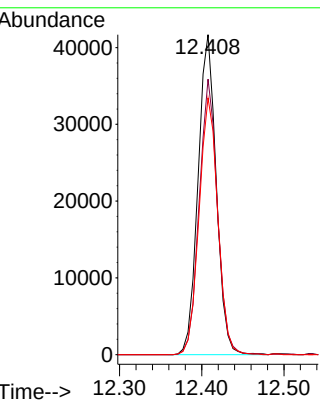
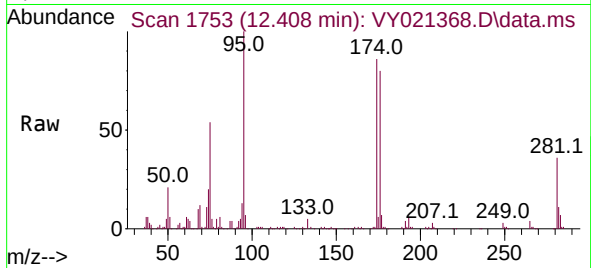




#62
4-Bromofluorobenzene
Concen: 38.462 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021368.D
Acq: 27 Feb 2025 19:06

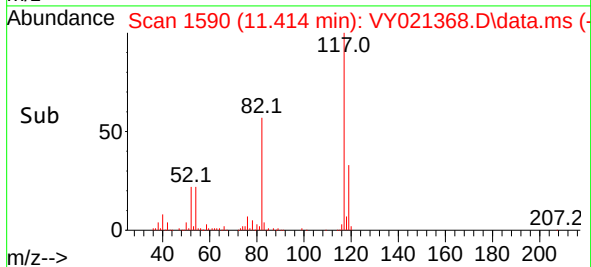
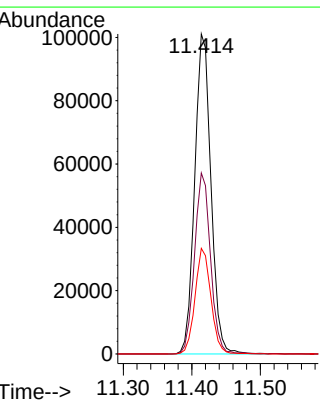
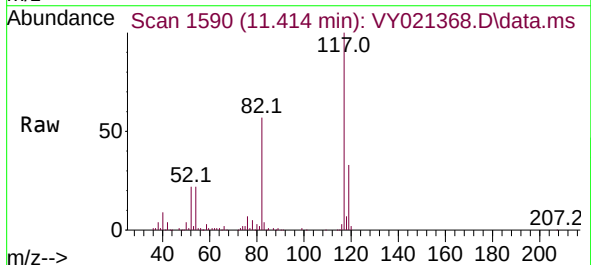
Instrument :
MSVOA_Y
ClientSampleId :
P2

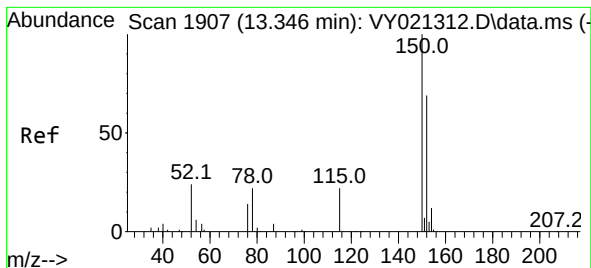
Tgt Ion: 95 Resp: 64050
Ion Ratio Lower Upper
95 100
174 86.1 0.0 168.0
176 82.8 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021368.D
Acq: 27 Feb 2025 19:06

Tgt Ion: 117 Resp: 166522
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.4
119 33.0 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: VY021368.D

Acq: 27 Feb 2025 19:06

Instrument :

MSVOA_Y

ClientSampleId :

P2

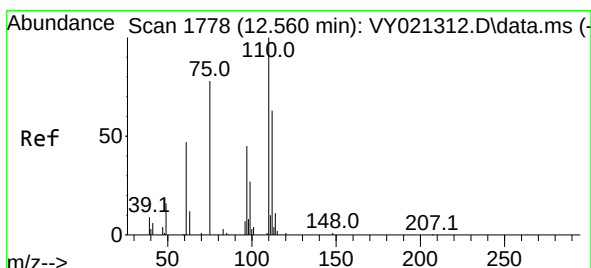
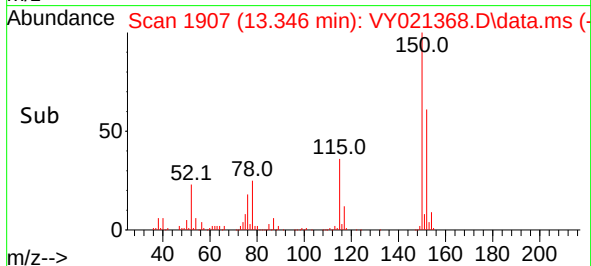
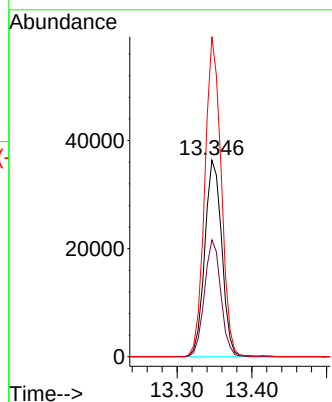
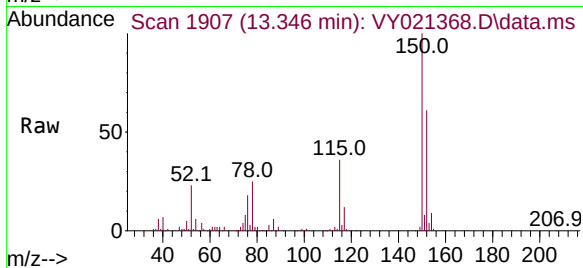
Tgt Ion:152 Resp: 57355

Ion Ratio Lower Upper

152 100

115 57.2 29.3 88.0

150 156.7 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 63.467 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY021368.D

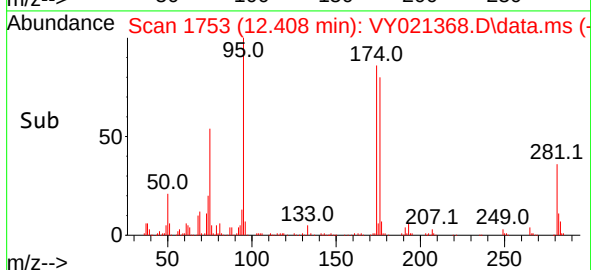
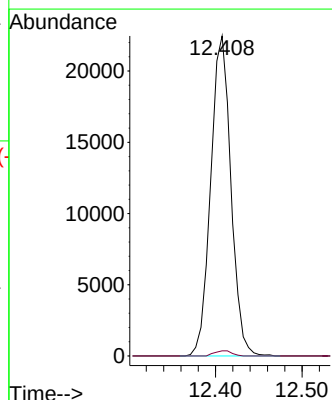
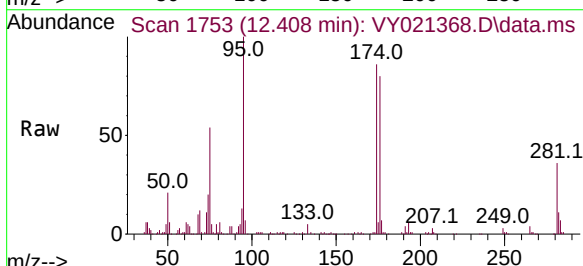
Acq: 27 Feb 2025 19:06

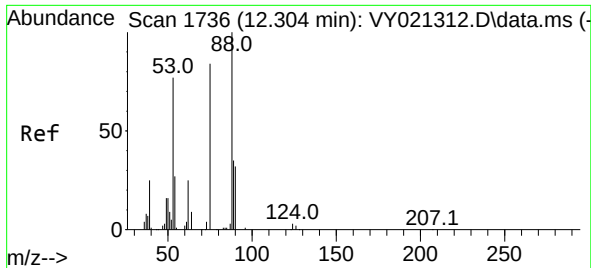
Tgt Ion: 75 Resp: 36436

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.065 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021368.D
 Acq: 27 Feb 2025 19:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 P2

Tgt Ion: 75 Resp: 36436
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.8 35.6 53.4#

