

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021360.D
 Acq On : 27 Feb 2025 15:58
 Operator : SY/MD
 Sample : Q1421-01
 Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 28 00:42:45 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)

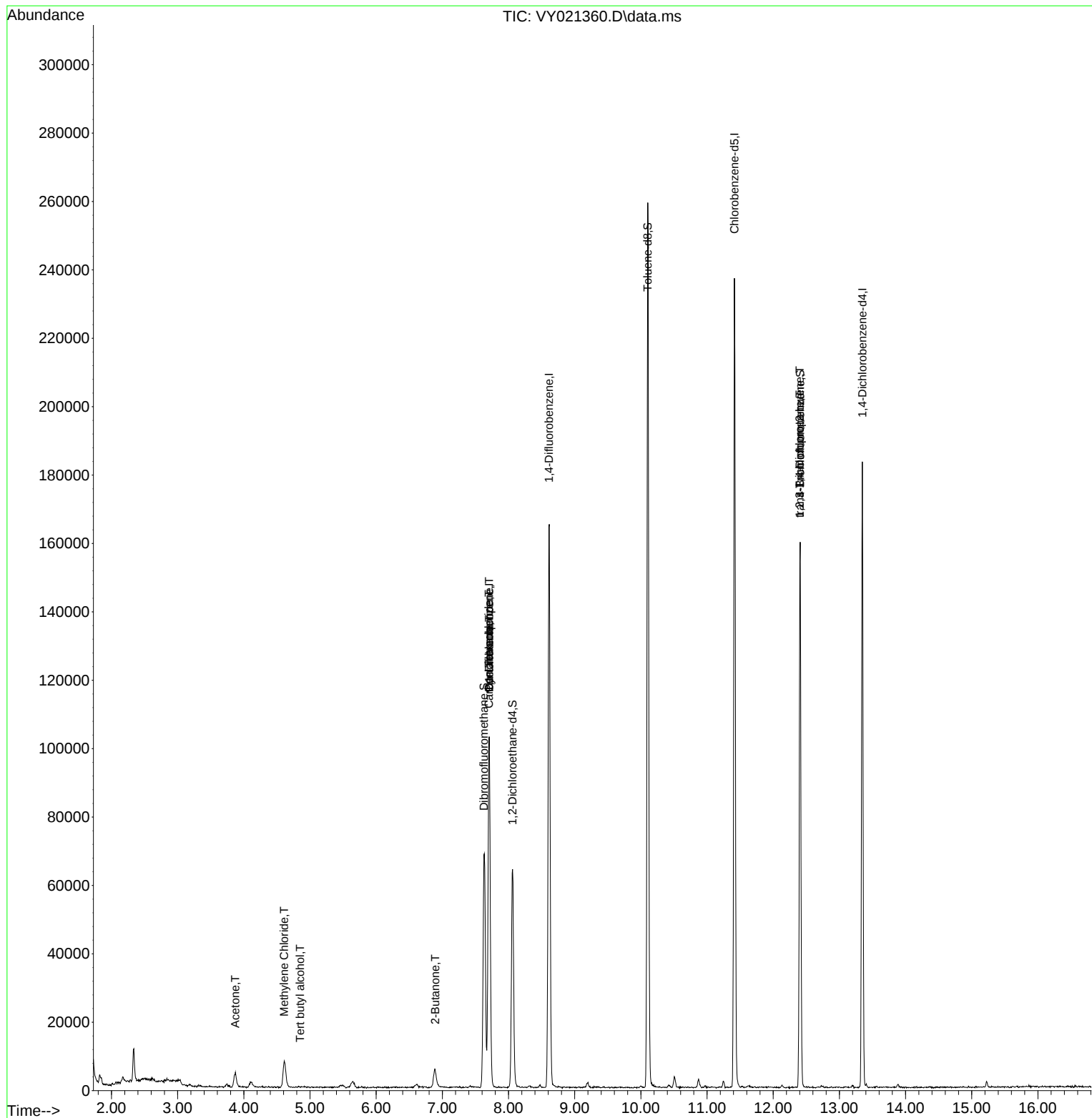
Internal Standards						
1) Pentafluorobenzene	7.707	168	78369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	138230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	120526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	44512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	53599	60.290	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.580%	
35) Dibromofluoromethane	7.628	113	48777	53.823	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.640%	
50) Toluene-d8	10.103	98	166190	47.450	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.900%	
62) 4-Bromofluorobenzene	12.408	95	46211	39.205	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	182	2.662	ug/l #	72
16) Acetone	3.873	43	7515	44.067	ug/l #	82
20) Methylene Chloride	4.610	84	5312	5.760	ug/l	93
25) 2-Butanone	6.890	43	1043	4.052	ug/l #	52
31) Cyclohexane	7.707	56	2013	1.284	ug/l #	21
36) 1,1-Dichloropropene	7.707	75	6659	4.892	ug/l #	52
38) Carbon Tetrachloride	7.701	117	8414	5.498	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	26102	58.585	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	26102	130.213	ug/l #	10

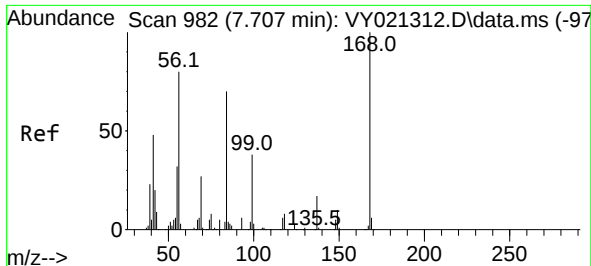
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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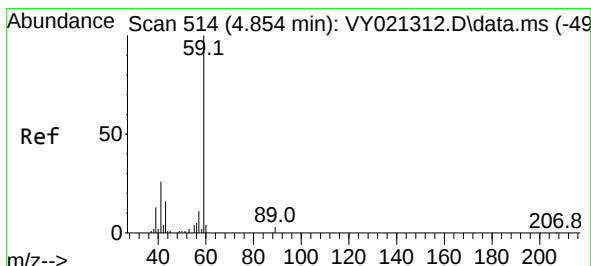
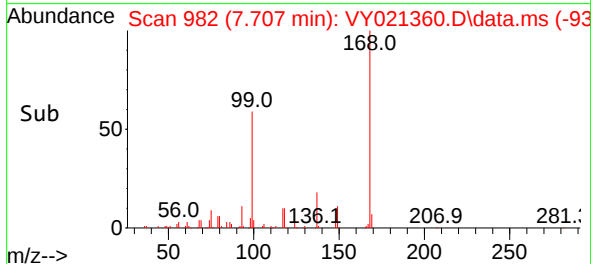
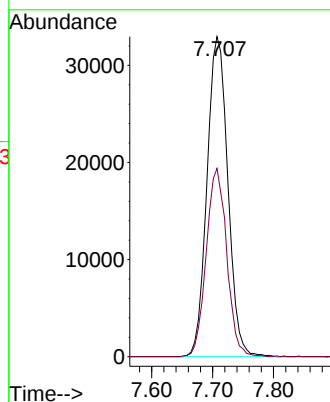
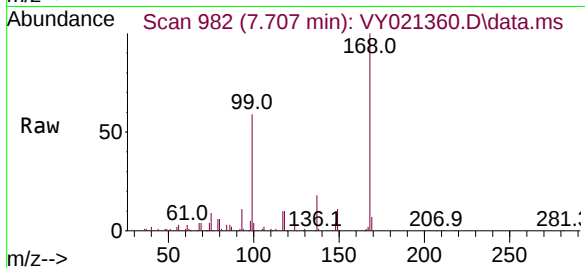




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

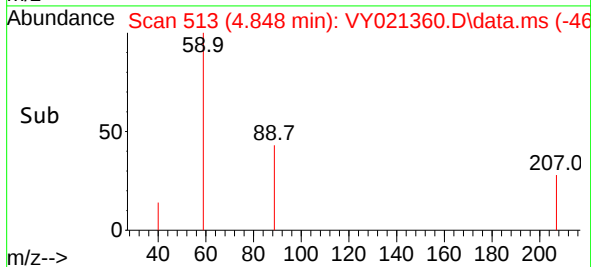
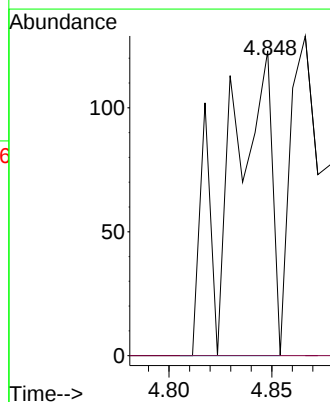
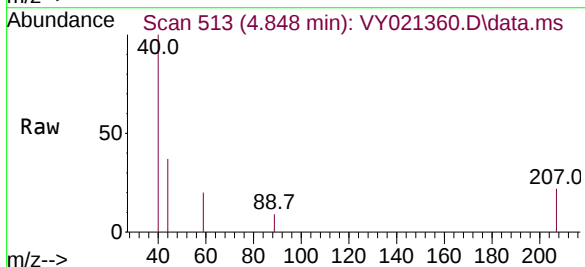
Instrument :
MSVOA_Y
ClientSampleId :

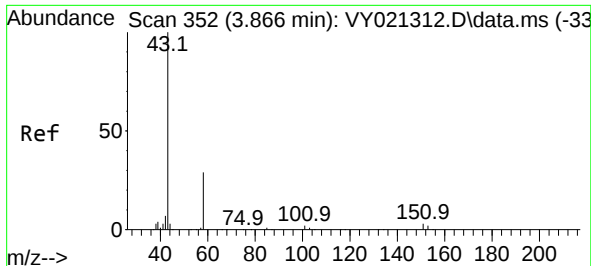
Tgt Ion:168 Resp: 78369
Ion Ratio Lower Upper
168 100
99 58.8 47.1 70.7



#11
Tert butyl alcohol
Concen: 2.662 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

Tgt Ion: 59 Resp: 182
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

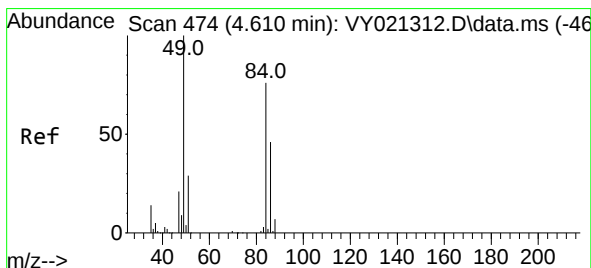
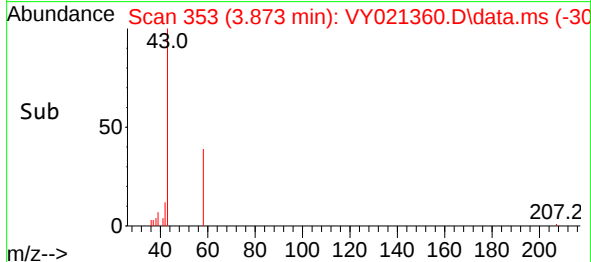
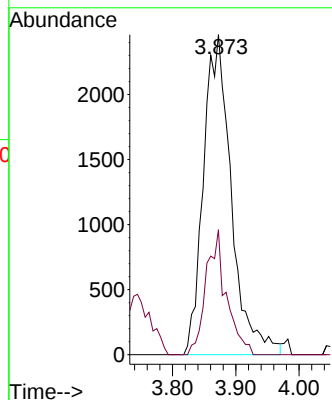
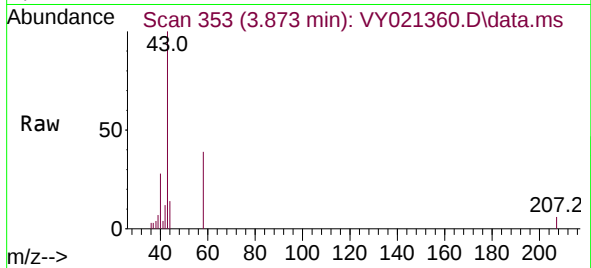




#16
Acetone
Concen: 44.067 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

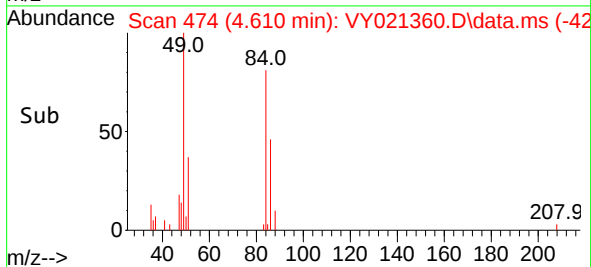
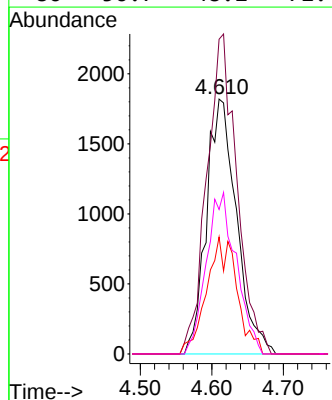
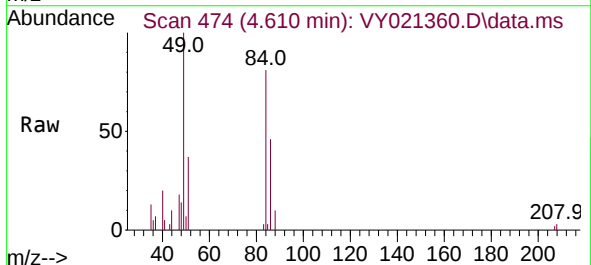
Instrument :
MSVOA_Y
ClientSampleId :

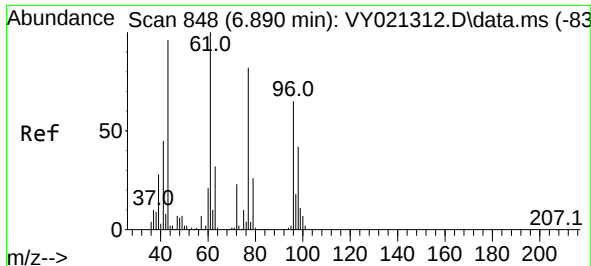
Tgt Ion: 43 Resp: 7515
Ion Ratio Lower Upper
43 100
58 39.1 23.5 35.3#



#20
Methylene Chloride
Concen: 5.760 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

Tgt Ion: 84 Resp: 5312
Ion Ratio Lower Upper
84 100
49 123.5 105.1 157.7
51 45.9 31.0 46.4
86 56.7 48.2 72.4





#25

2-Butanone

Concen: 4.052 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

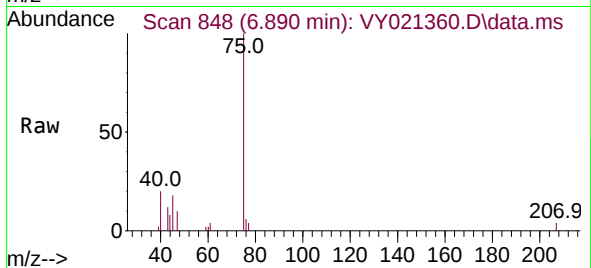
Lab File: VY021360.D

Acq: 27 Feb 2025 15:58

Instrument :

MSVOA_Y

ClientSampleId :

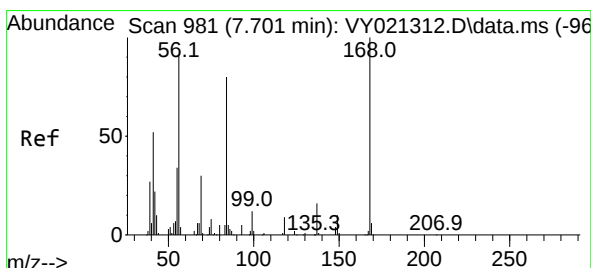
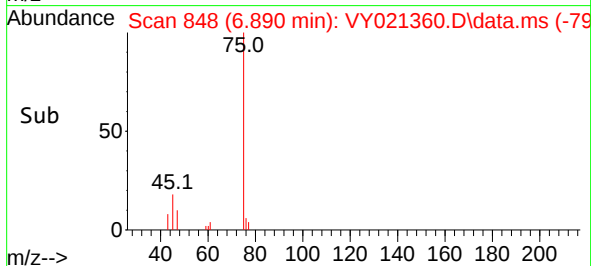
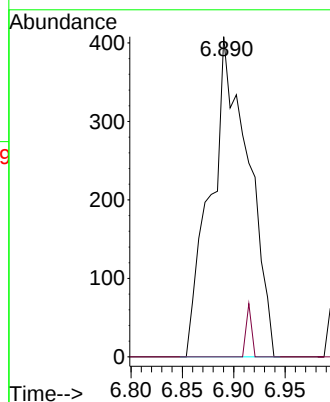


Tgt Ion: 43 Resp: 1043

Ion Ratio Lower Upper

43 100

72 0.0 19.0 28.6#



#31

Cyclohexane

Concen: 1.284 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY021360.D

Acq: 27 Feb 2025 15:58

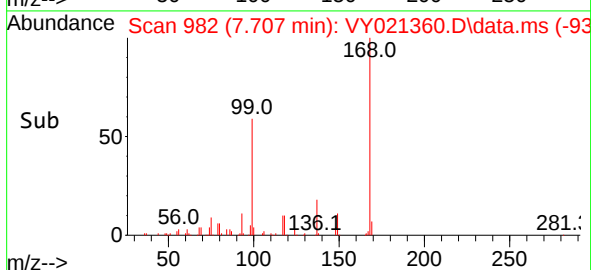
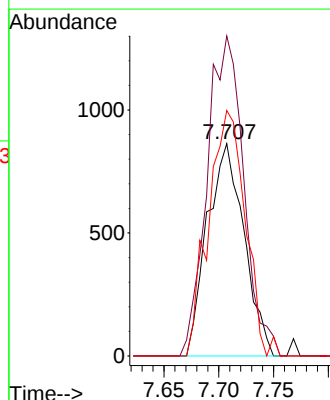
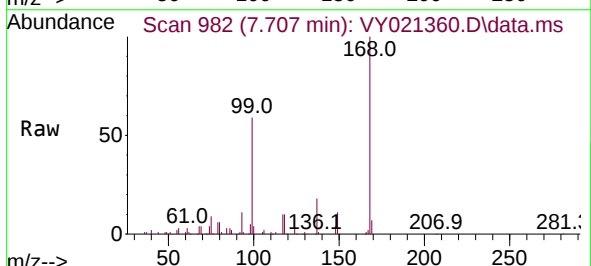
Tgt Ion: 56 Resp: 2013

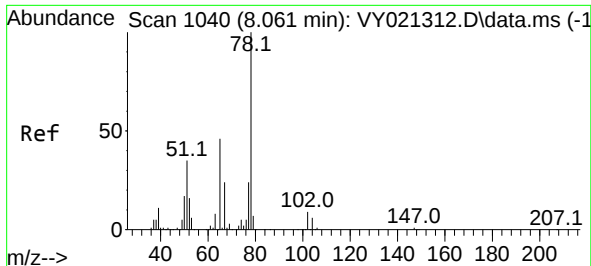
Ion Ratio Lower Upper

56 100

69 150.8 26.2 39.4#

84 115.6 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 60.290 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY021360.D

Acq: 27 Feb 2025 15:58

Instrument :

MSVOA_Y

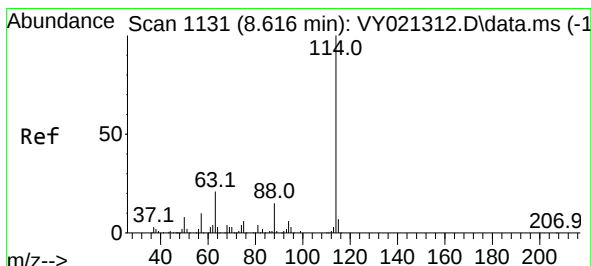
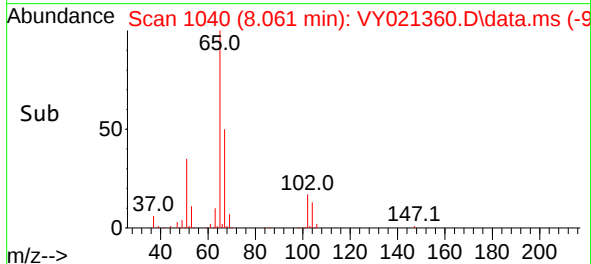
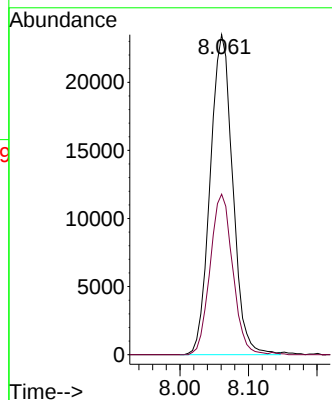
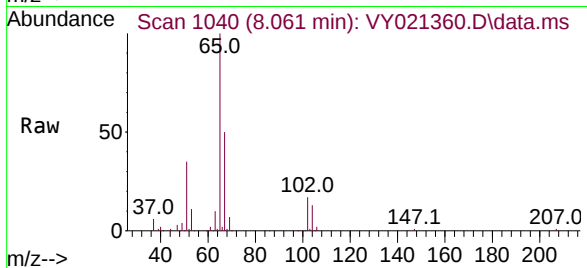
ClientSampleId :

Tgt Ion: 65 Resp: 53599

Ion Ratio Lower Upper

65 100

67 50.2 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY021360.D

Acq: 27 Feb 2025 15:58

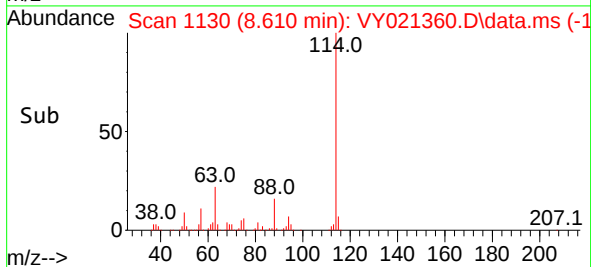
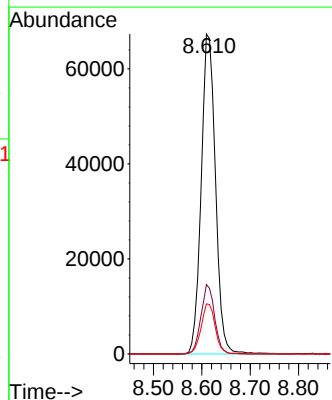
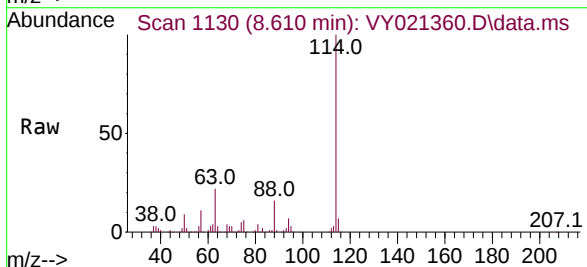
Tgt Ion: 114 Resp: 138230

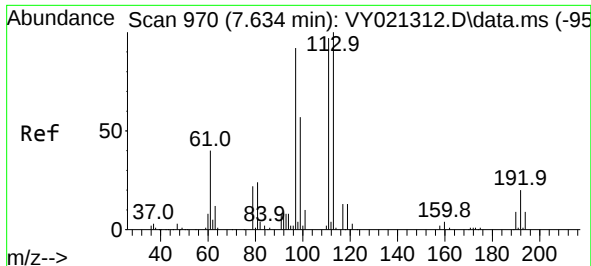
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.2

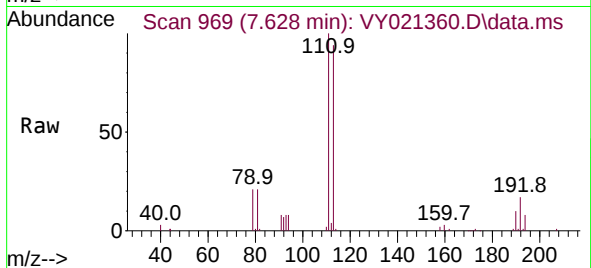
88 15.7 0.0 29.8



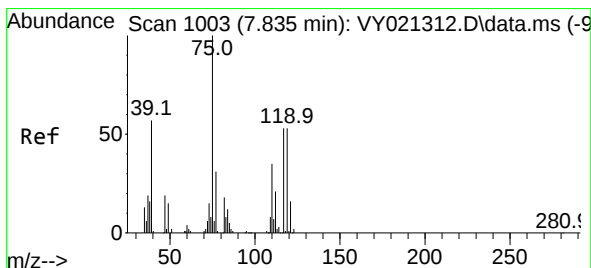
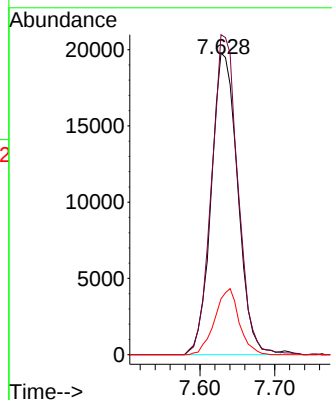
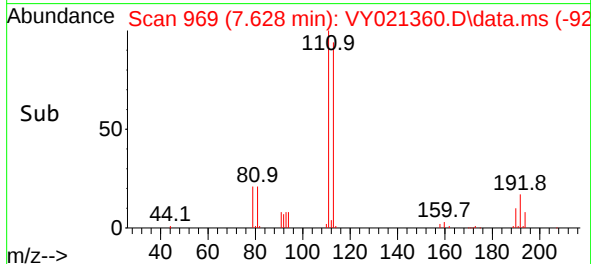


#35
Dibromofluoromethane
Concen: 53.823 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

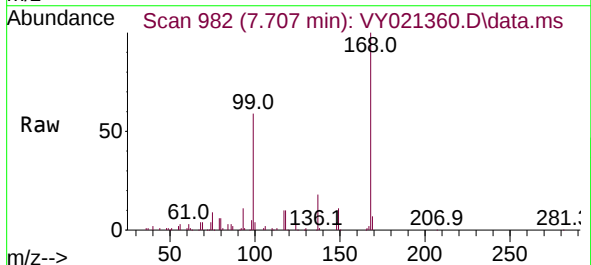
Instrument :
MSVOA_Y
ClientSampleId :



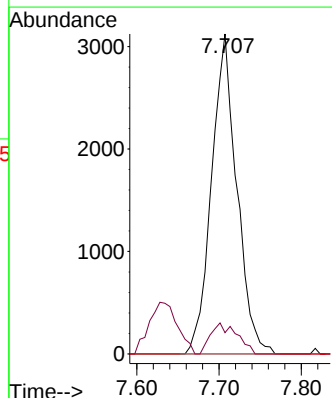
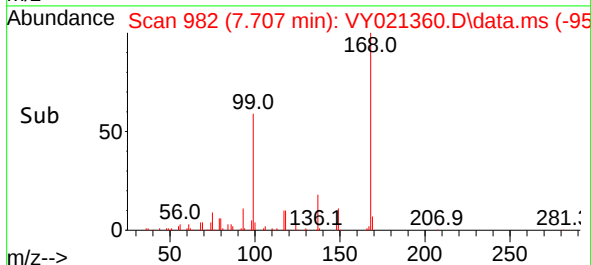
Tgt Ion:113 Resp: 48777
Ion Ratio Lower Upper
113 100
111 105.0 81.0 121.6
192 20.1 15.8 23.8

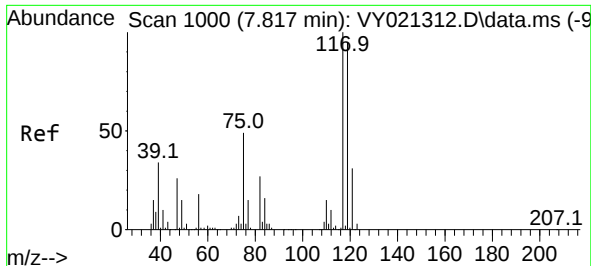


#36
1,1-Dichloropropene
Concen: 4.892 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58



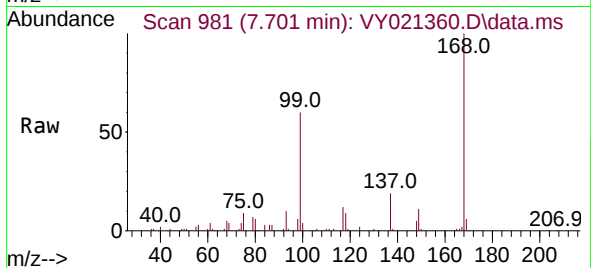
Tgt Ion: 75 Resp: 6659
Ion Ratio Lower Upper
75 100
110 10.2 16.9 50.7#
77 0.0 24.6 36.8#



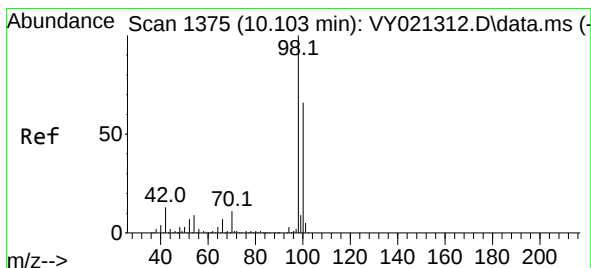
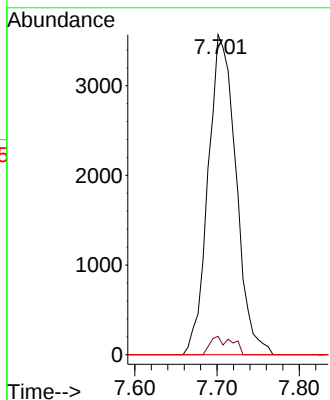
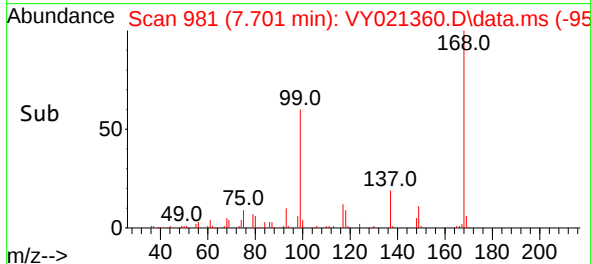


#38
Carbon Tetrachloride
Concen: 5.498 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :

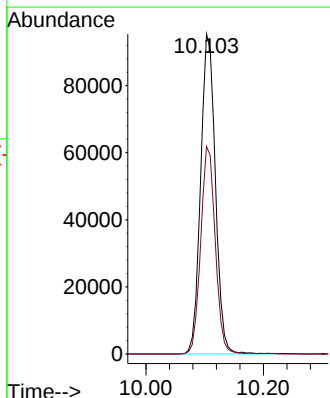
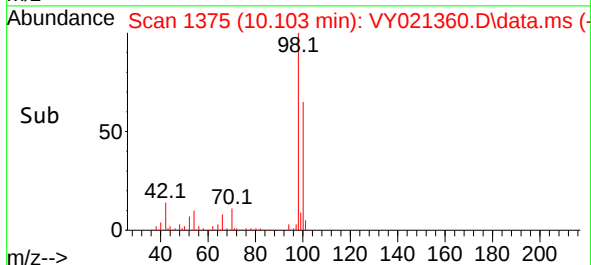
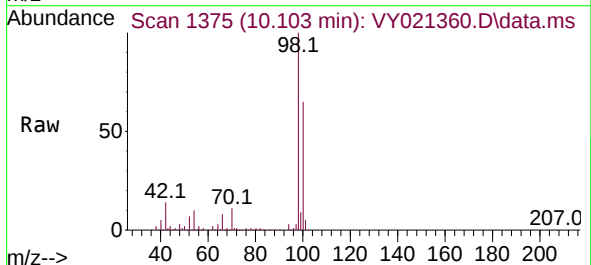


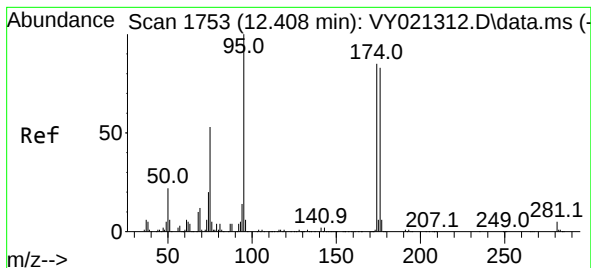
Tgt Ion:117 Resp: 8414
Ion Ratio Lower Upper
117 100
119 5.8 76.0 114.0#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 47.450 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

Tgt Ion: 98 Resp: 166190
Ion Ratio Lower Upper
98 100
100 63.8 52.4 78.6

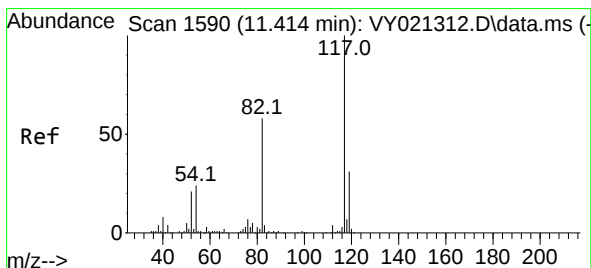
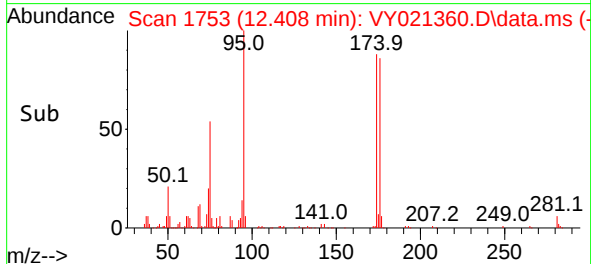
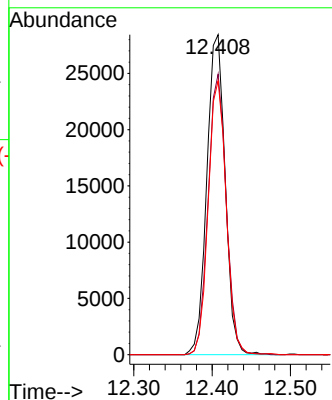
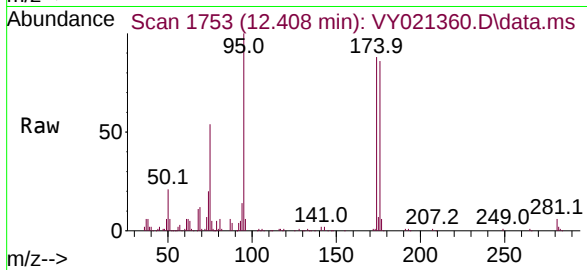




#62
4-Bromofluorobenzene
Concen: 39.205 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

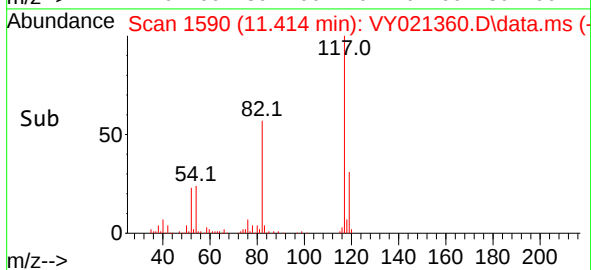
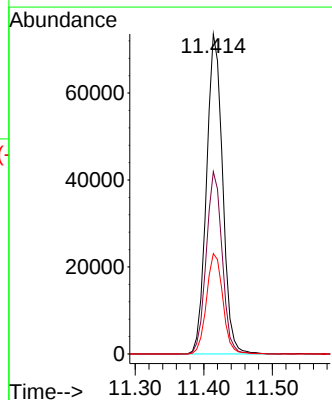
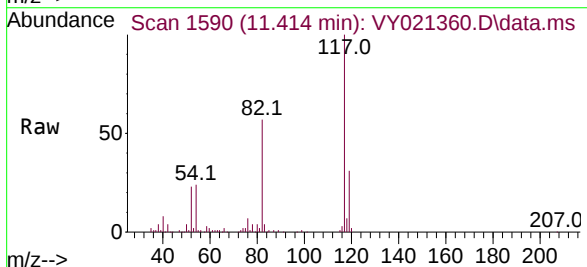
Instrument :
MSVOA_Y
ClientSampleId :

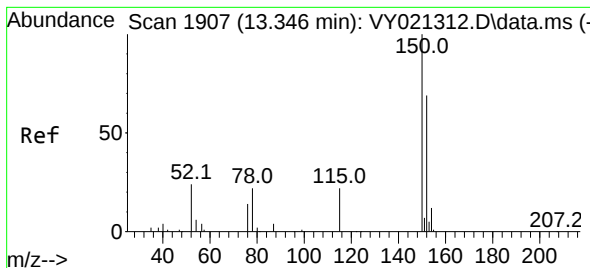
Tgt Ion: 95 Resp: 46211
Ion Ratio Lower Upper
95 100
174 86.4 0.0 168.0
176 83.8 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021360.D
Acq: 27 Feb 2025 15:58

Tgt Ion: 117 Resp: 120526
Ion Ratio Lower Upper
117 100
82 57.0 46.2 69.4
119 31.4 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: VY021360.D

Acq: 27 Feb 2025 15:58

Instrument :

MSVOA_Y

ClientSampleId :

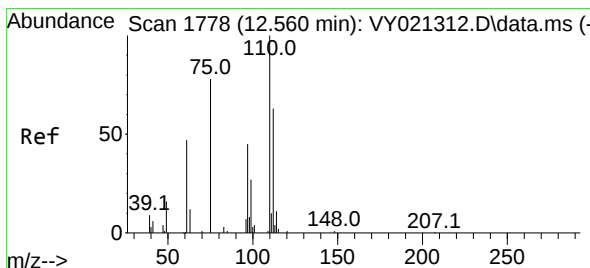
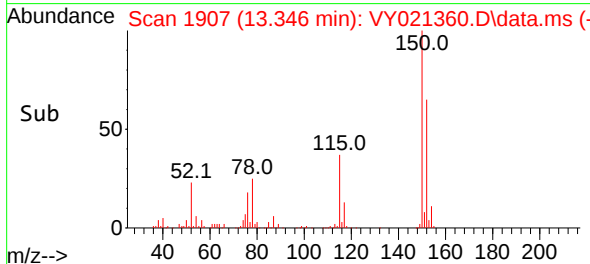
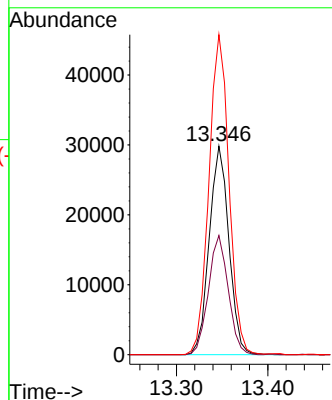
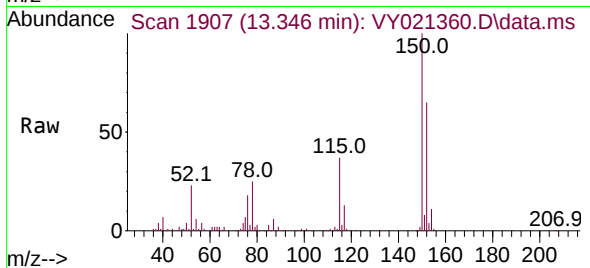
Tgt Ion:152 Resp: 44512

Ion Ratio Lower Upper

152 100

115 57.6 29.3 88.0

150 156.3 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 58.585 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY021360.D

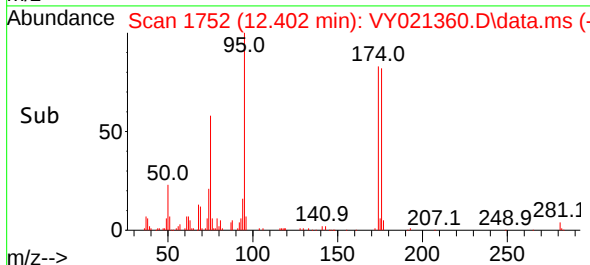
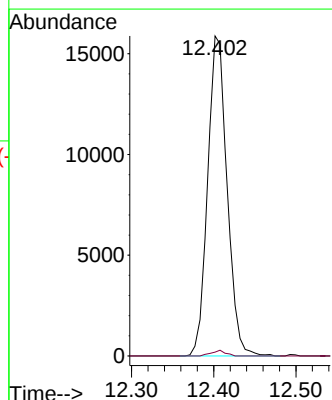
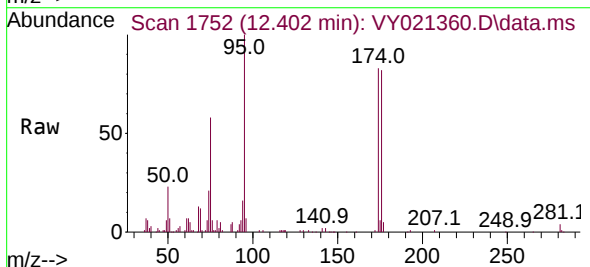
Acq: 27 Feb 2025 15:58

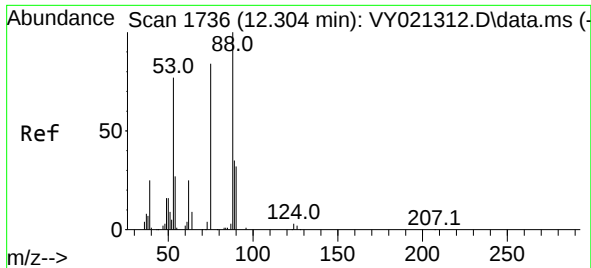
Tgt Ion: 75 Resp: 26102

Ion Ratio Lower Upper

75 100

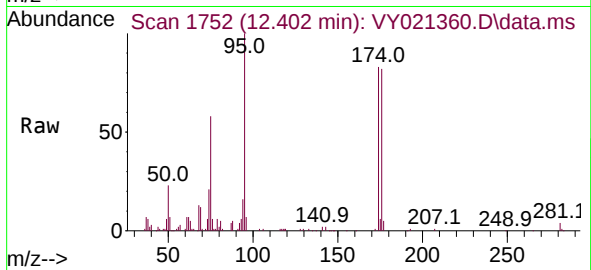
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.213 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY021360.D
 Acq: 27 Feb 2025 15:58

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	79.1	118.7#
89	0.1	35.6	53.4#

