

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022061.D
 Acq On : 29 Apr 2025 17:03
 Operator : SY/MD
 Sample : Q1903-01
 Misc : 5.95g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-4

Quant Time: Apr 30 01:35:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

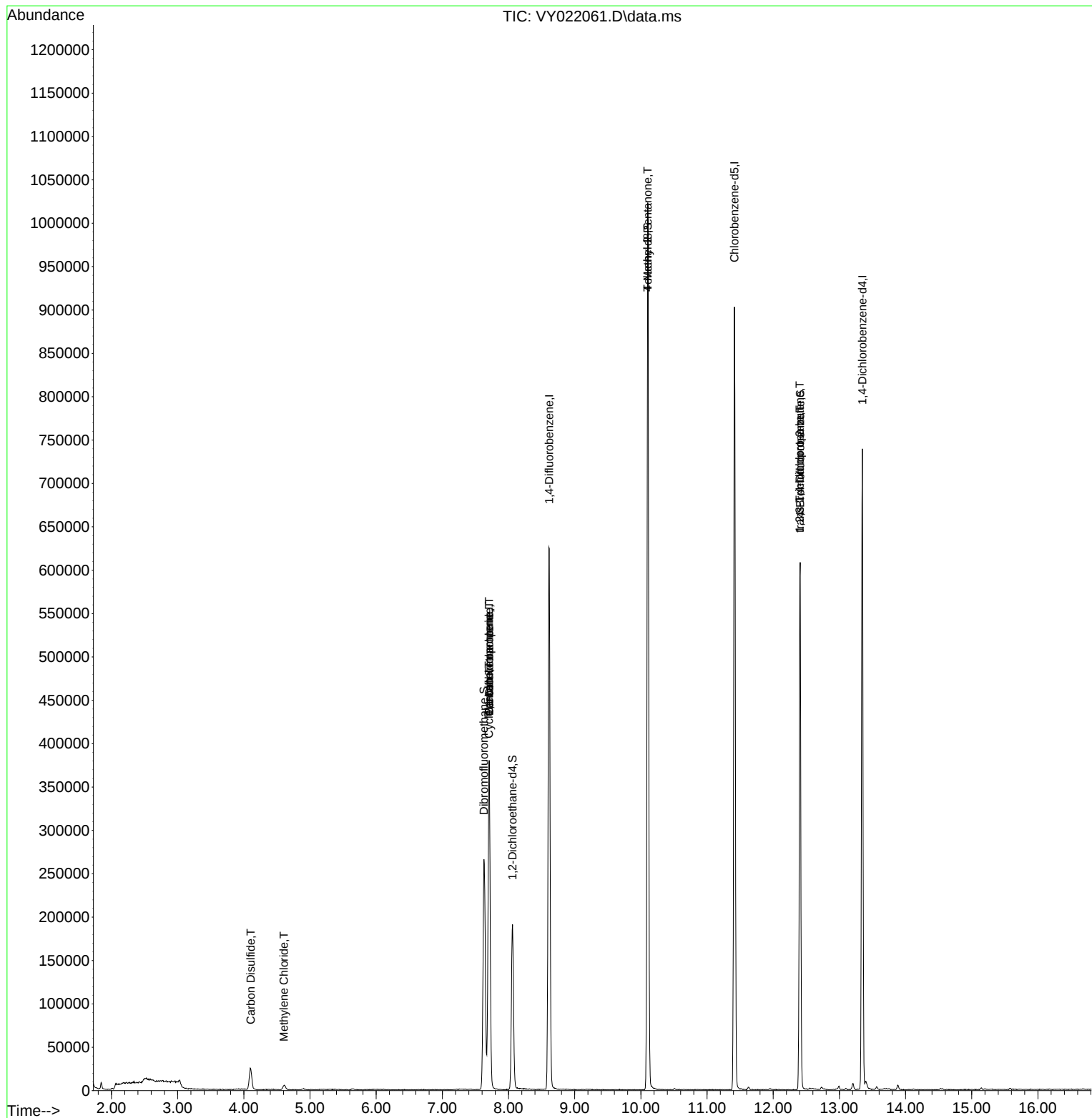
Internal Standards						
1) Pentafluorobenzene	7.707	168	295057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	563717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	508046	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	196340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151548	55.606	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.220%	
35) Dibromofluoromethane	7.628	113	192539	51.699	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.400%	
50) Toluene-d8	10.103	98	680240	48.449	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.900%	
62) 4-Bromofluorobenzene	12.408	95	191764	40.572	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.140%	
Target Compounds						
16) Acetone	3.866	43	1428	Below Cal	#	79
17) Carbon Disulfide	4.104	76	51995	5.560	ug/l	98
20) Methylene Chloride	4.604	84	4123	1.196	ug/l	90
31) Cyclohexane	7.701	56	5740	1.274	ug/l #	16
36) 1,1-Dichloropropene	7.707	75	22148	4.427	ug/l #	47
38) Carbon Tetrachloride	7.707	117	28722	4.805	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	2232	1.234	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	90561	53.849	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	90561	129.677	ug/l #	16

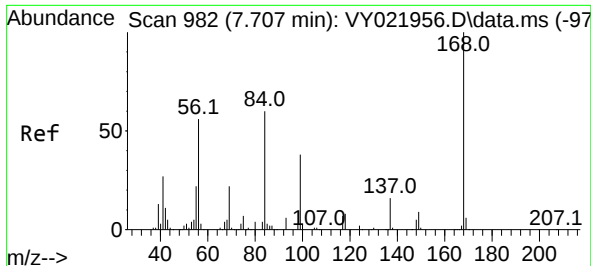
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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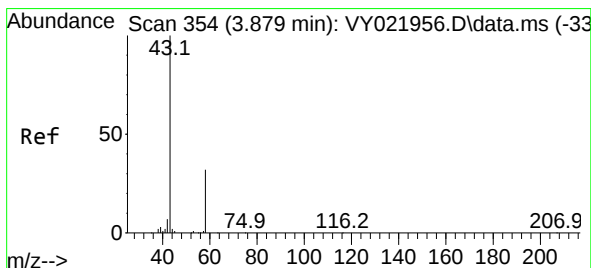
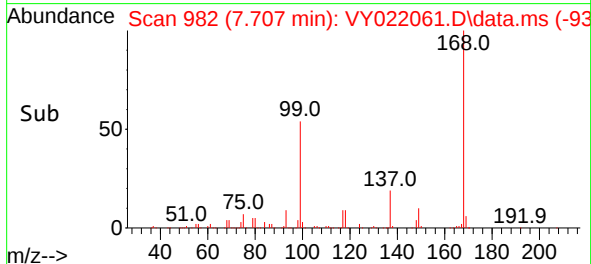
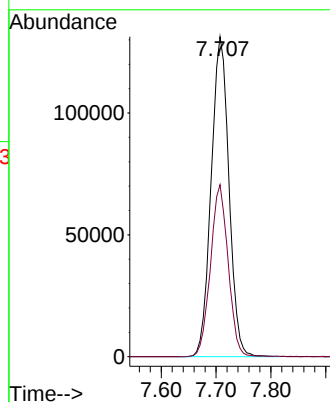
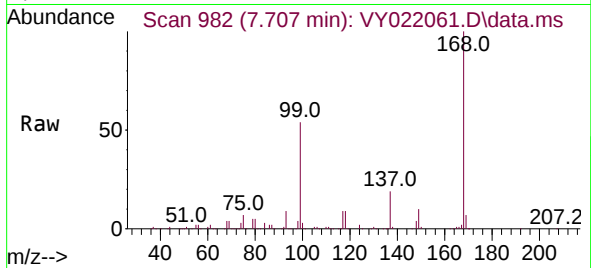




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022061.D
Acq: 29 Apr 2025 17:03

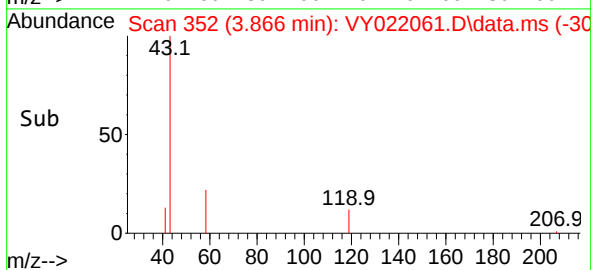
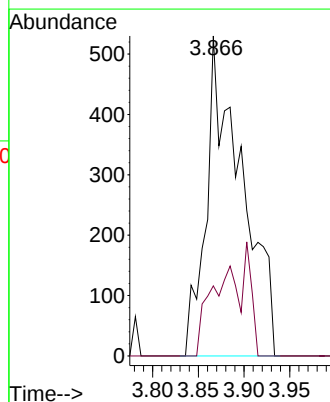
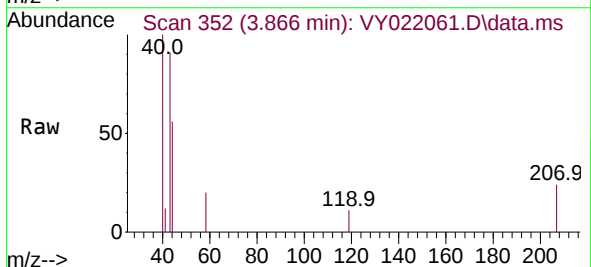
Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

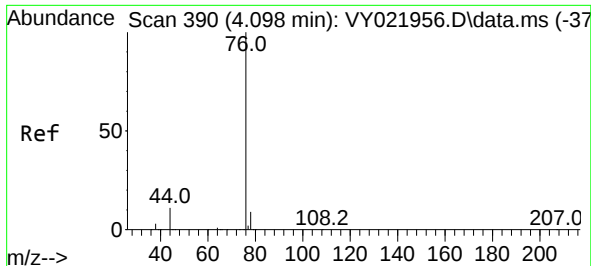
Tgt Ion:168 Resp: 295057
Ion Ratio Lower Upper
168 100
99 53.8 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022061.D
Acq: 29 Apr 2025 17:03

Tgt Ion: 43 Resp: 1428
Ion Ratio Lower Upper
43 100
58 21.9 27.0 40.4#

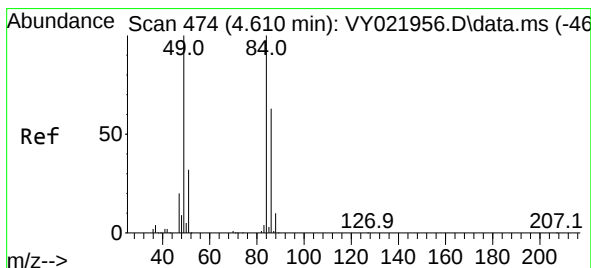
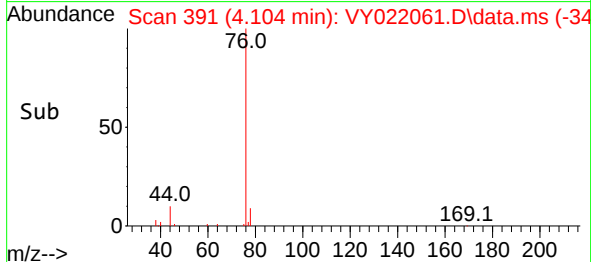
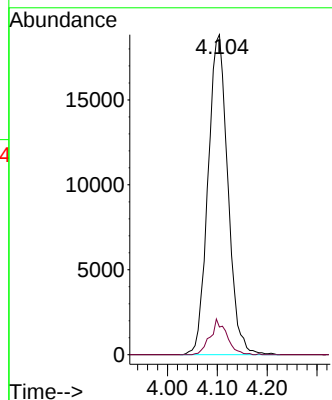
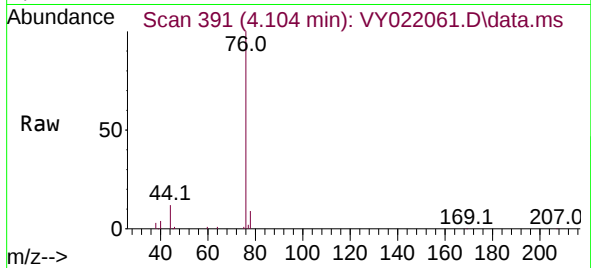




#17
Carbon Disulfide
Concen: 5.560 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY022061.D
Acq: 29 Apr 2025 17:03

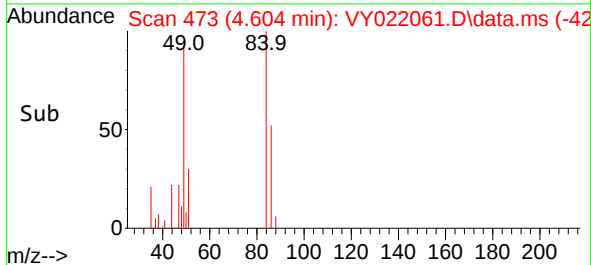
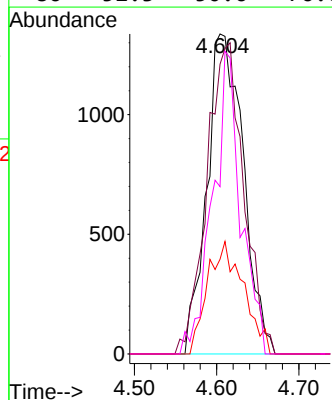
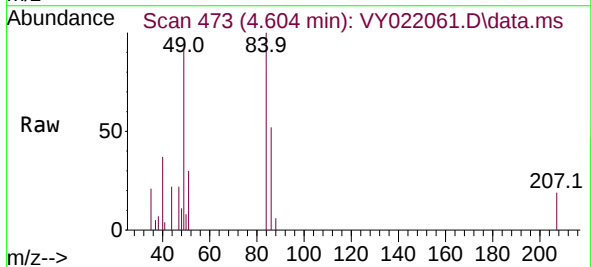
Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

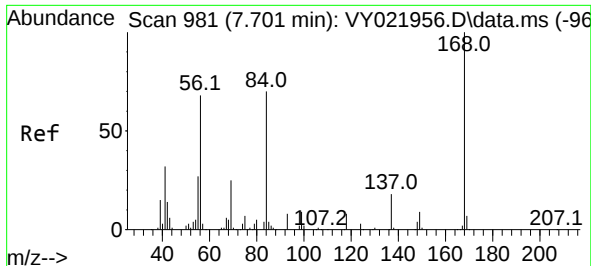
Tgt Ion: 76 Resp: 51995
Ion Ratio Lower Upper
76 100
78 8.7 7.6 11.4



#20
Methylene Chloride
Concen: 1.196 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY022061.D
Acq: 29 Apr 2025 17:03

Tgt Ion: 84 Resp: 4123
Ion Ratio Lower Upper
84 100
49 90.6 79.9 119.9
51 29.6 25.4 38.0
86 52.3 50.6 76.0

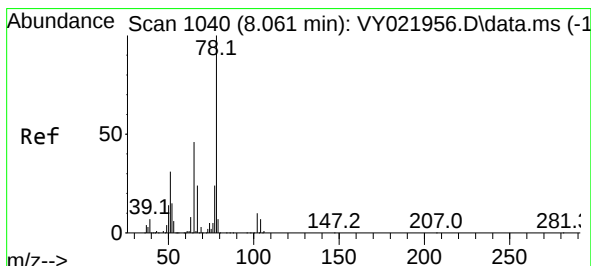
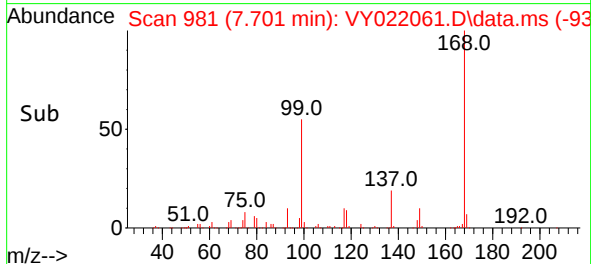
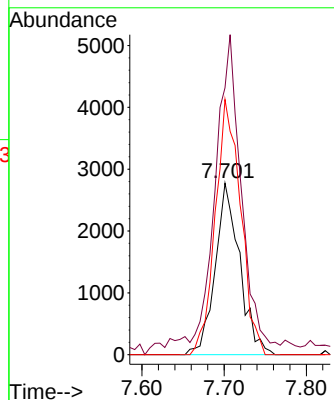
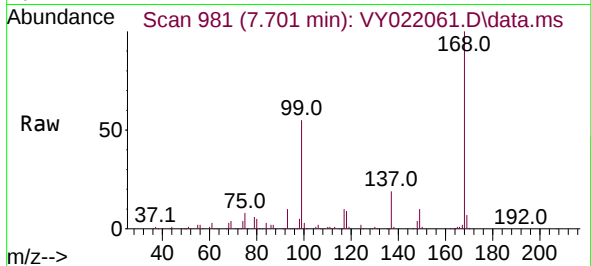




#31
Cyclohexane
Concen: 1.274 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022061.D
Acq: 29 Apr 2025 17:03

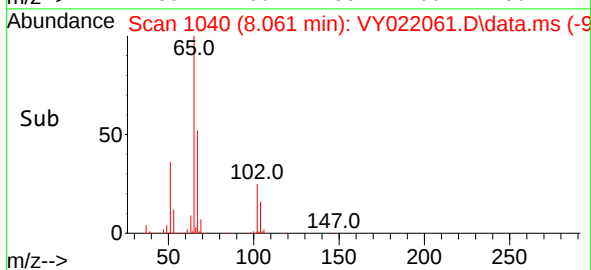
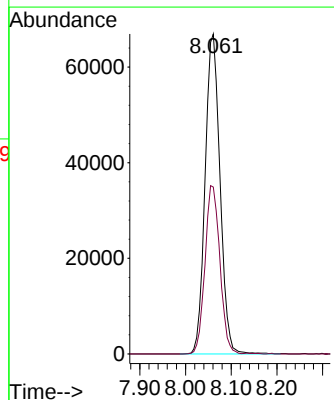
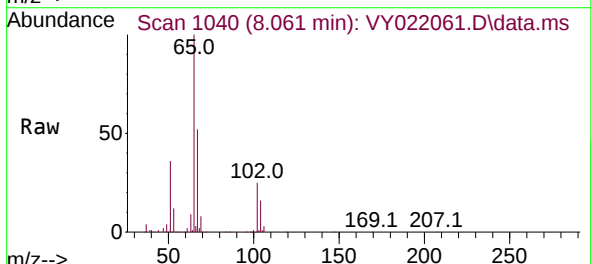
Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

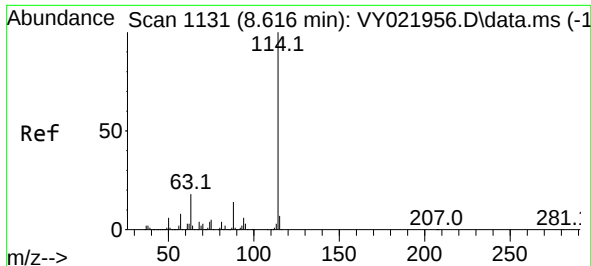
Tgt Ion: 56 Resp: 5740
Ion Ratio Lower Upper
56 100
69 150.1 29.4 44.2#
84 148.9 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 55.606 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022061.D
Acq: 29 Apr 2025 17:03

Tgt Ion: 65 Resp: 151548
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022061.D

Acq: 29 Apr 2025 17:03

Instrument :

MSVOA_Y

ClientSampleId :

COMP-4

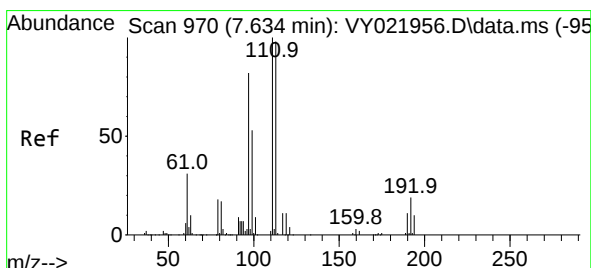
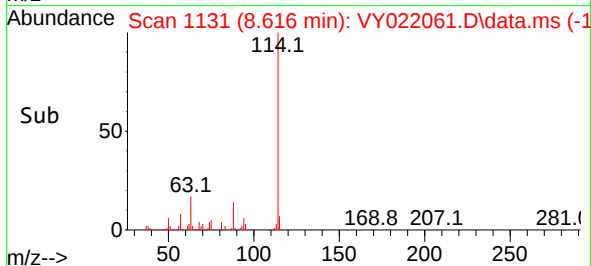
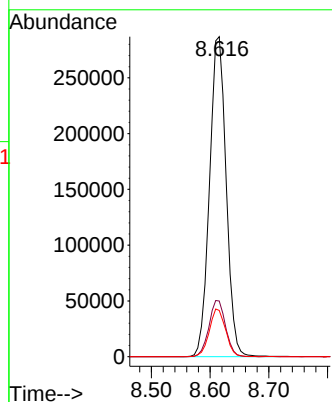
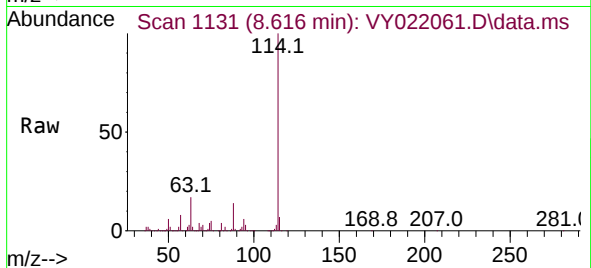
Tgt Ion:114 Resp: 563717

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 14.5 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.699 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022061.D

Acq: 29 Apr 2025 17:03

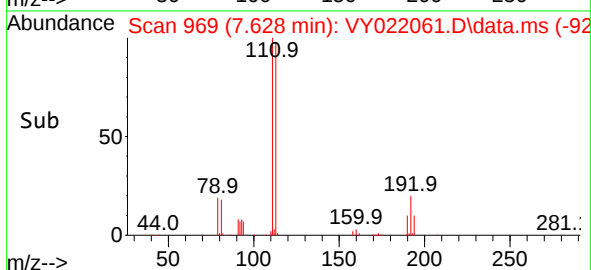
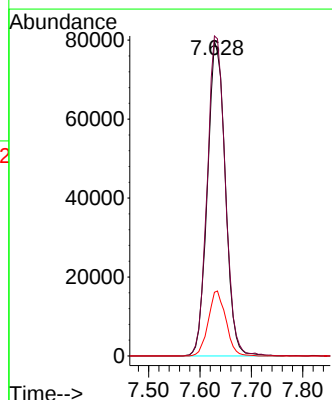
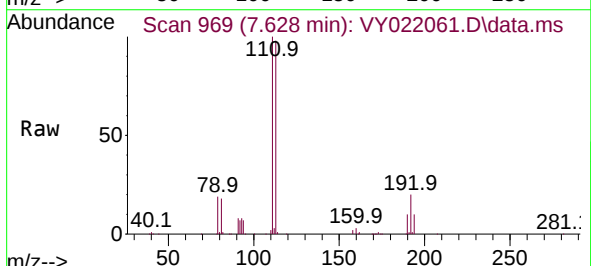
Tgt Ion:113 Resp: 192539

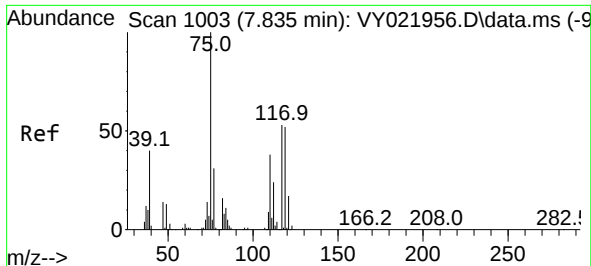
Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

192 20.3 15.6 23.4

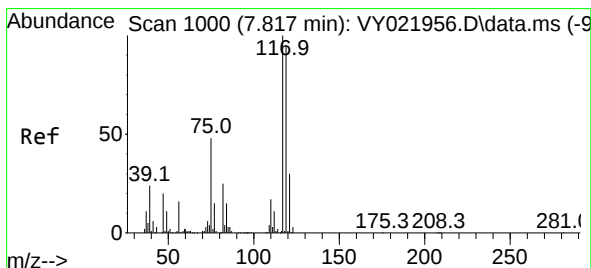
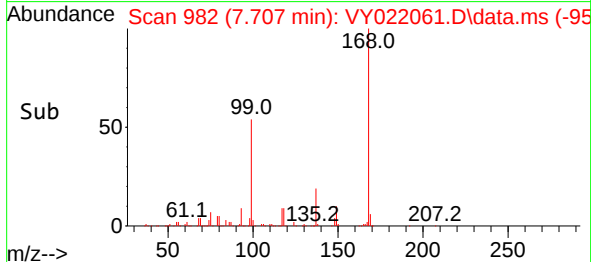
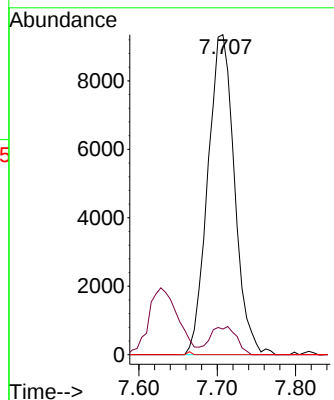
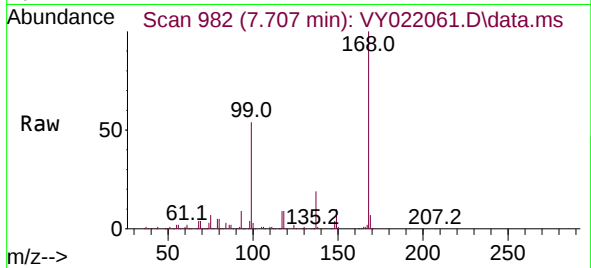




#36
 1,1-Dichloropropene
 Concen: 4.427 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.128 min
 Lab File: VY022061.D
 Acq: 29 Apr 2025 17:03

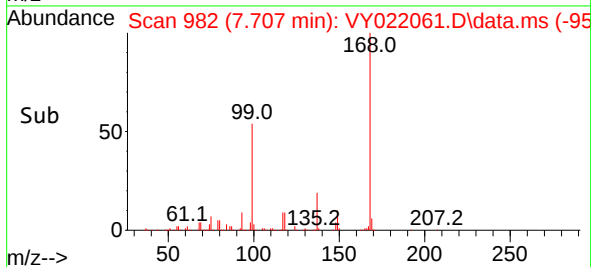
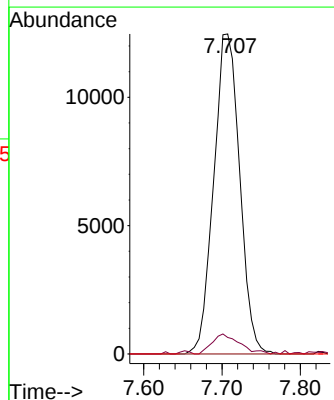
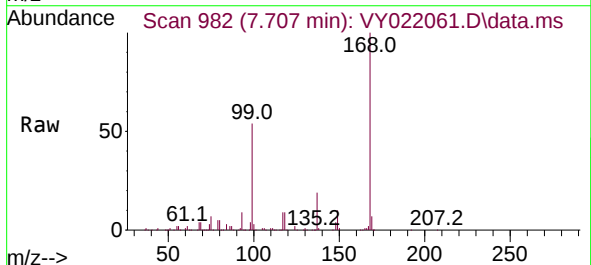
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-4

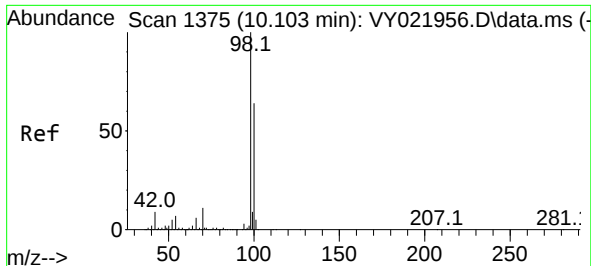
Tgt Ion: 75 Resp: 22148
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.1 57.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 4.805 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.110 min
 Lab File: VY022061.D
 Acq: 29 Apr 2025 17:03

Tgt Ion: 117 Resp: 28722
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.2 114.4#
 121 0.0 24.0 36.0#

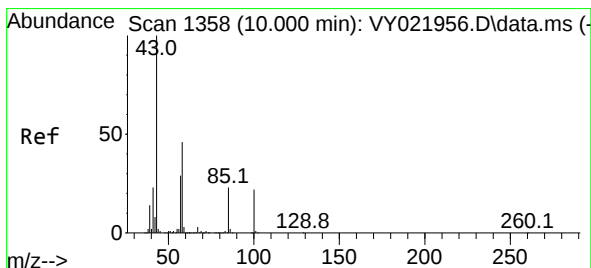
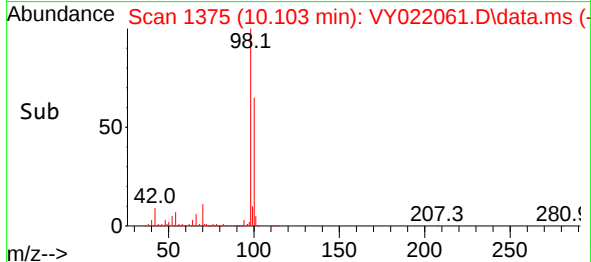
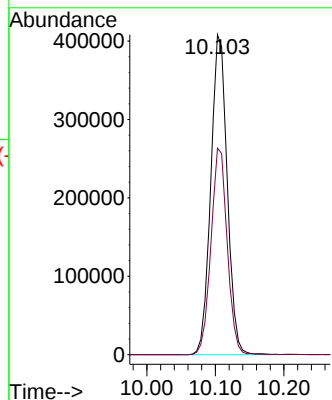
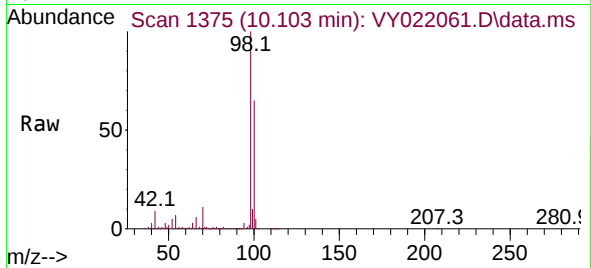




#50
Toluene-d8
Concen: 48.449 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022061.D
Acq: 29 Apr 2025 17:03

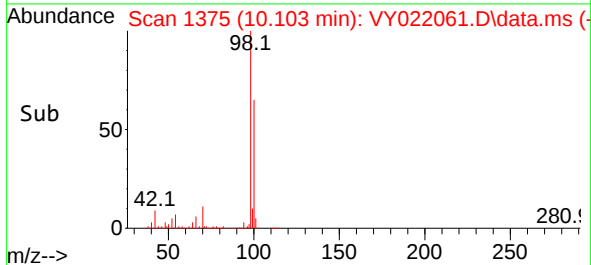
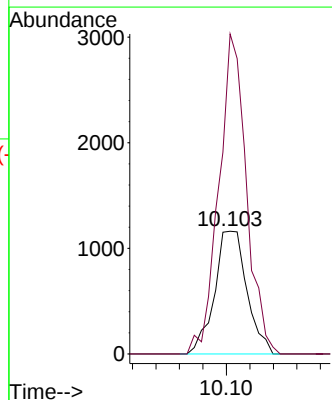
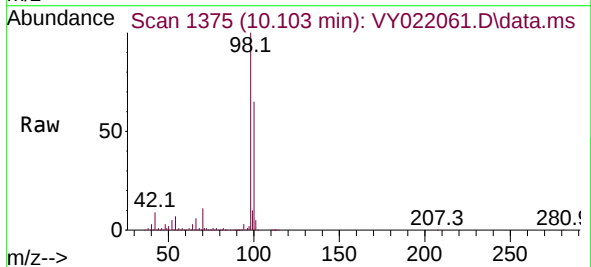
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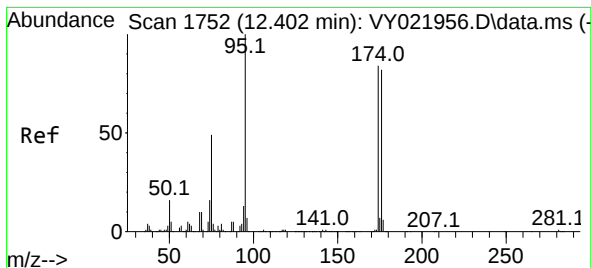
Tgt Ion: 98 Resp: 680240
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.234 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022061.D
Acq: 29 Apr 2025 17:03

Tgt Ion: 43 Resp: 2232
Ion Ratio Lower Upper
43 100
58 222.0 36.6 55.0#

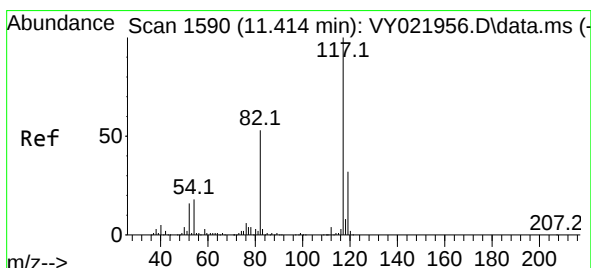
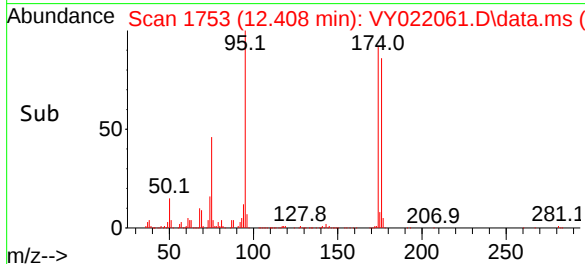
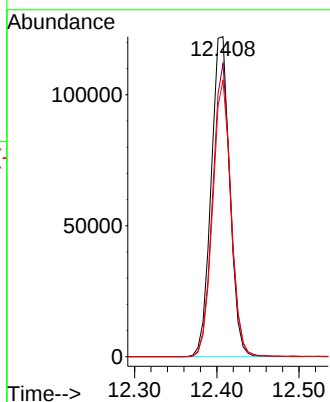
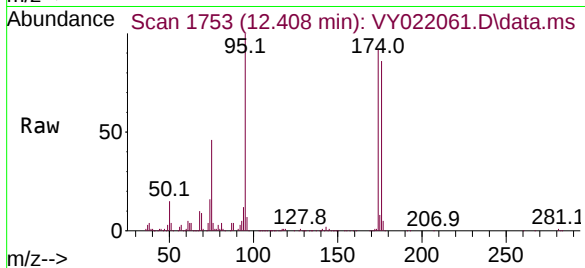




#62
4-Bromofluorobenzene
Concen: 40.572 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022061.D
Acq: 29 Apr 2025 17:03

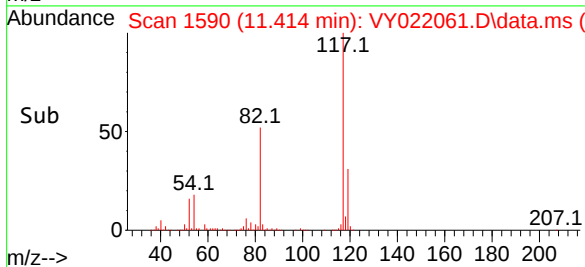
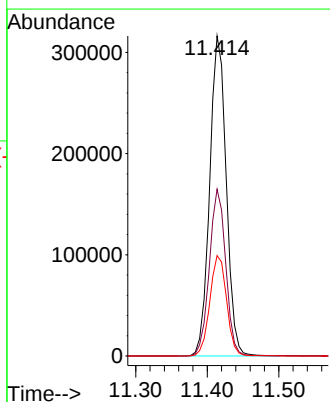
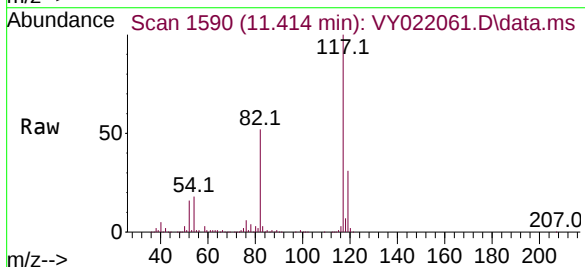
Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

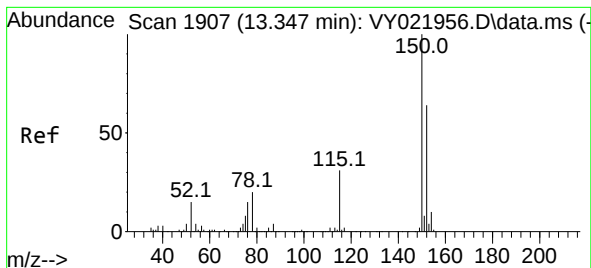
Tgt Ion: 95 Resp: 191764
Ion Ratio Lower Upper
95 100
174 89.2 0.0 179.0
176 85.1 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022061.D
Acq: 29 Apr 2025 17:03

Tgt Ion: 117 Resp: 508046
Ion Ratio Lower Upper
117 100
82 52.1 42.1 63.1
119 31.3 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022061.D

Acq: 29 Apr 2025 17:03

Instrument :

MSVOA_Y

ClientSampleId :

COMP-4

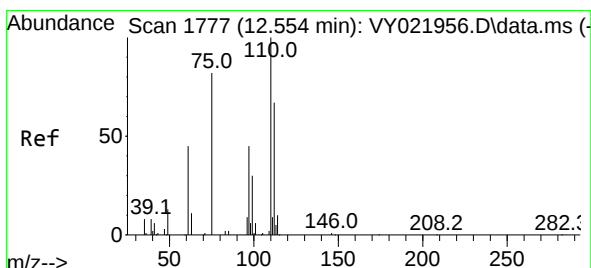
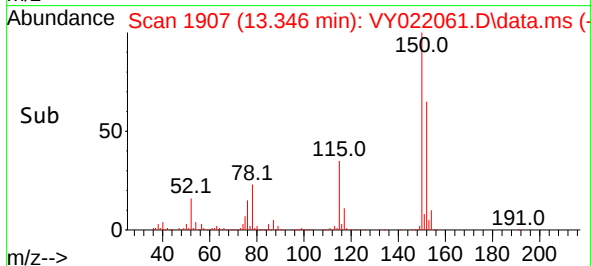
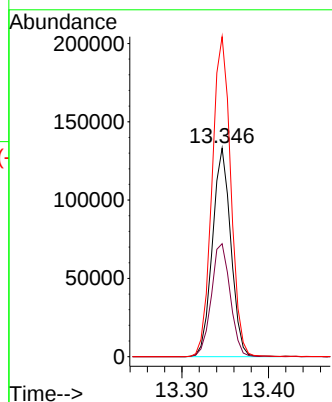
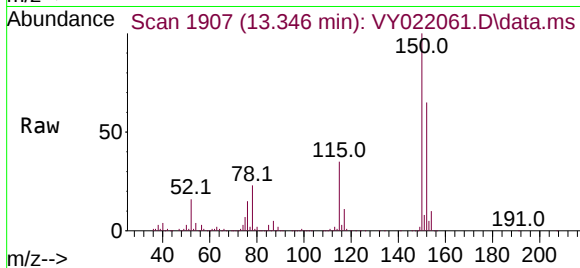
Tgt Ion:152 Resp: 196340

Ion Ratio Lower Upper

152 100

115 55.8 28.0 84.0

150 156.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 53.849 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022061.D

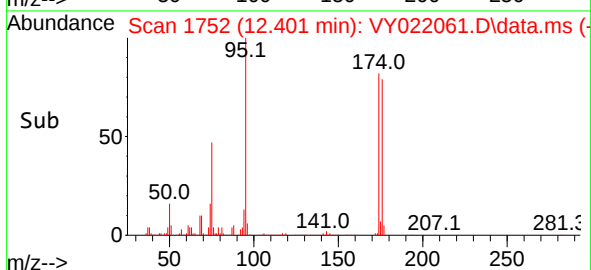
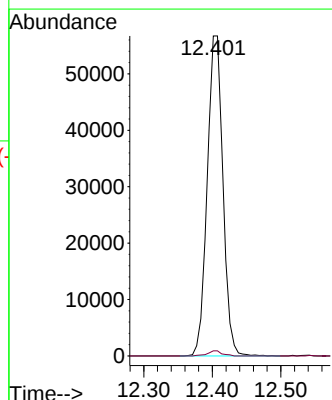
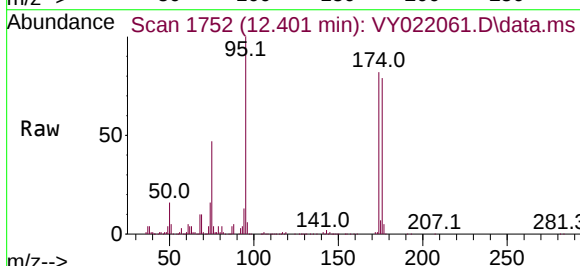
Acq: 29 Apr 2025 17:03

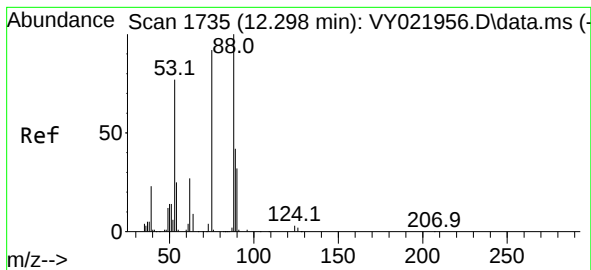
Tgt Ion: 75 Resp: 90561

Ion Ratio Lower Upper

75 100

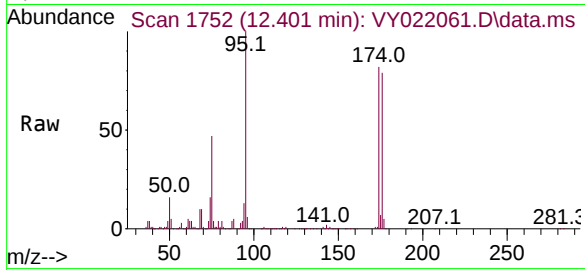
77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 129.677 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022061.D
Acq: 29 Apr 2025 17:03

Instrument :
MSVOA_Y
ClientSampleId :
COMP-4



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.0	99.0#
89	0.0	37.2	55.8#

