

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021268.D
 Acq On : 20 Feb 2025 22:33
 Operator : SY/MD
 Sample : Q1382-19
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 02:48:25 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)

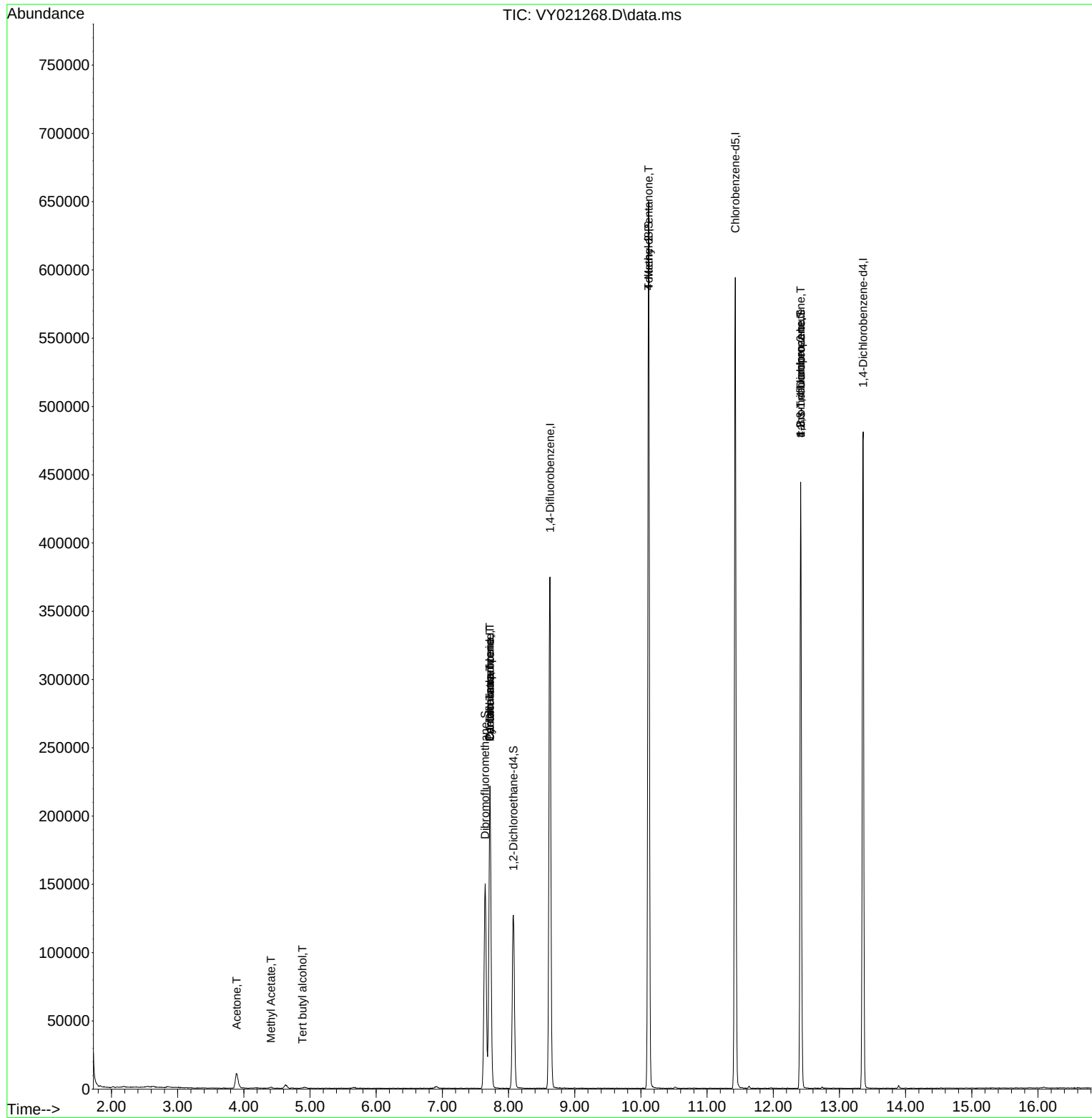
Internal Standards						
1) Pentafluorobenzene	7.719	168	164770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	318499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	298586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	119883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	105673	62.595	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.200%	
35) Dibromofluoromethane	7.646	113	105428	51.651	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.300%	
50) Toluene-d8	10.115	98	394704	50.793	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.580%	
62) 4-Bromofluorobenzene	12.414	95	124693	49.117	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.240%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.885	59	544	4.755	ug/l #	75
16) Acetone	3.891	43	20606	78.269	ug/l	93
18) Methyl Acetate	4.409	43	1522	1.647	ug/l	98
31) Cyclohexane	7.719	56	3893	1.352	ug/l #	37
36) 1,1-Dichloropropene	7.719	75	13742	4.545	ug/l #	49
38) Carbon Tetrachloride	7.719	117	17677	5.004	ug/l #	16
51) 4-Methyl-2-Pentanone	10.115	43	1883	1.421	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	71384	65.641	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	71384	133.940	ug/l #	12

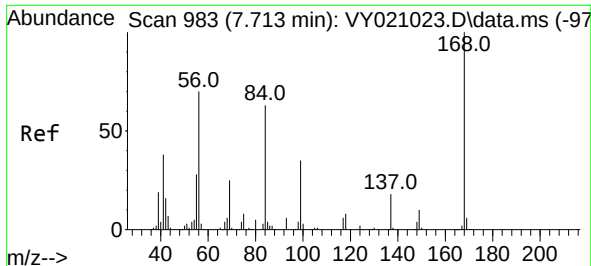
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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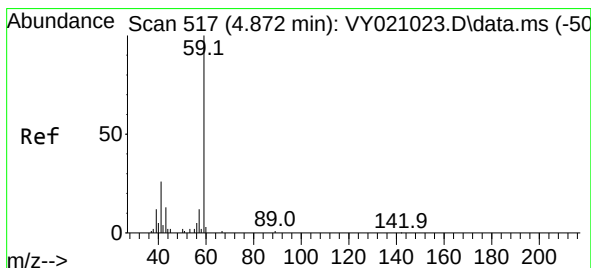
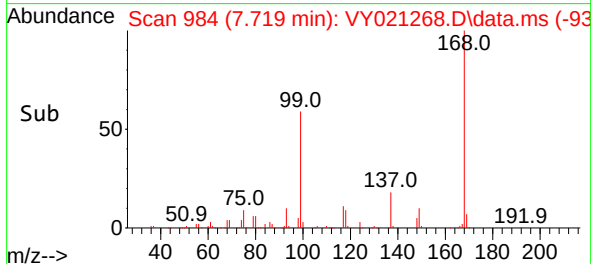
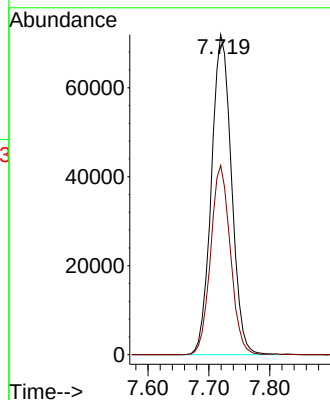
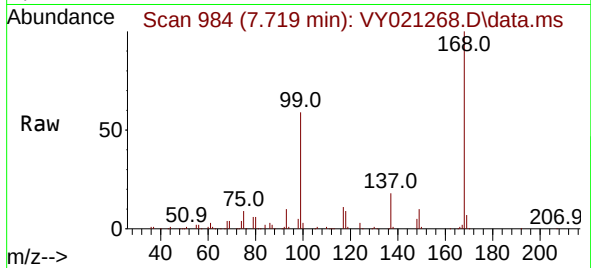




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021268.D
Acq: 20 Feb 2025 22:33

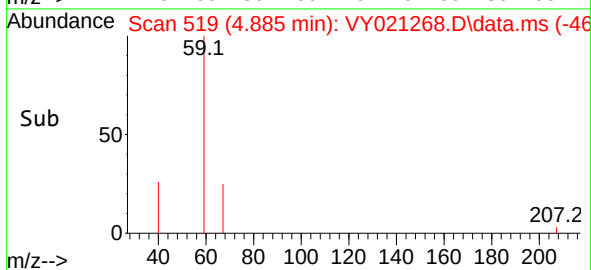
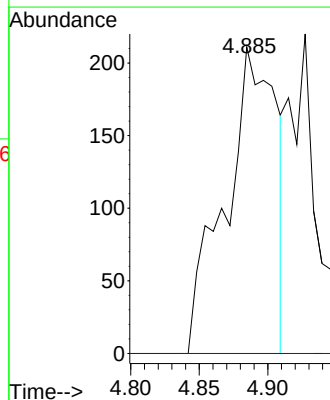
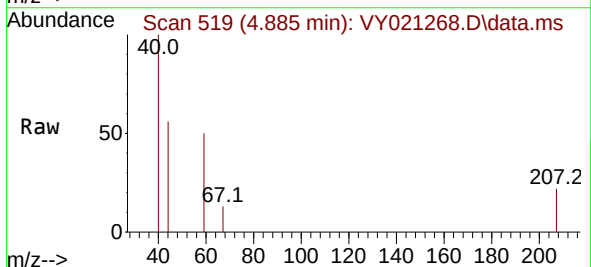
Instrument :
MSVOA_Y
ClientSampleId :

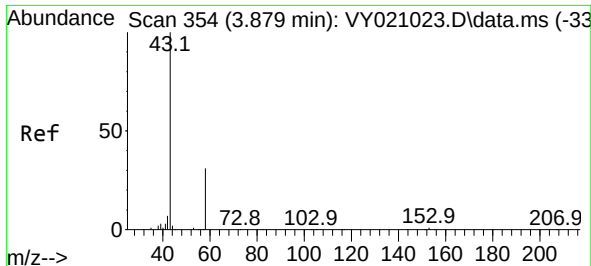
Tgt Ion:168 Resp: 164770
Ion Ratio Lower Upper
168 100
99 59.1 44.2 66.4



#11
Tert butyl alcohol
Concen: 4.755 ug/l
RT: 4.885 min Scan# 519
Delta R.T. 0.012 min
Lab File: VY021268.D
Acq: 20 Feb 2025 22:33

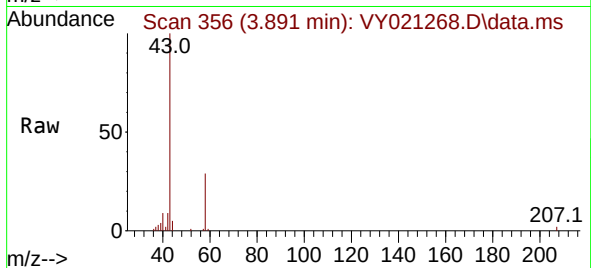
Tgt Ion: 59 Resp: 544
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



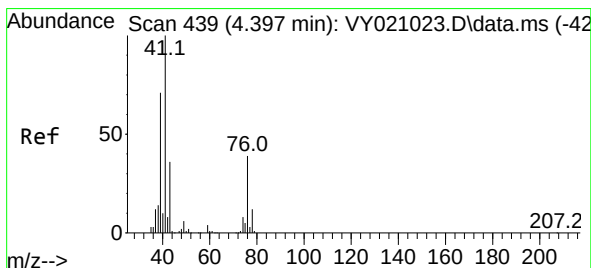
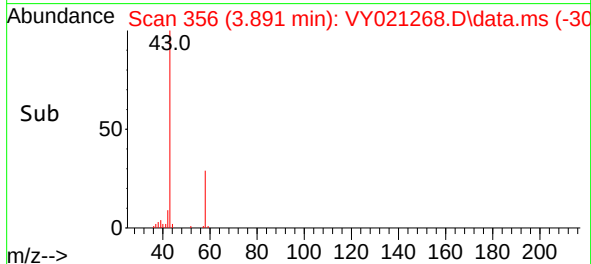
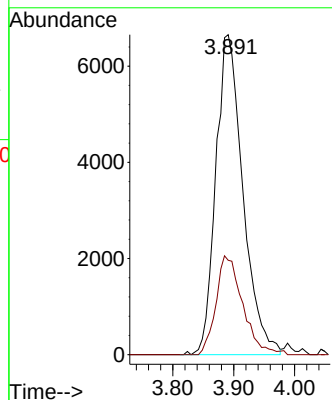


#16
Acetone
Concen: 78.269 ug/l
RT: 3.891 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY021268.D
Acq: 20 Feb 2025 22:33

Instrument :
MSVOA_Y
ClientSampleId :

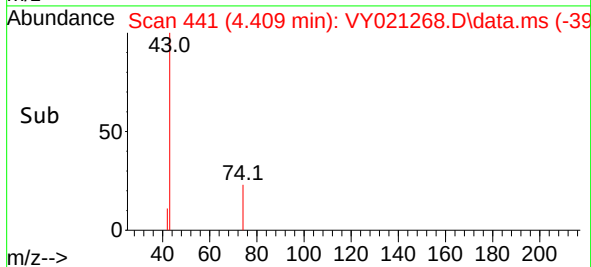
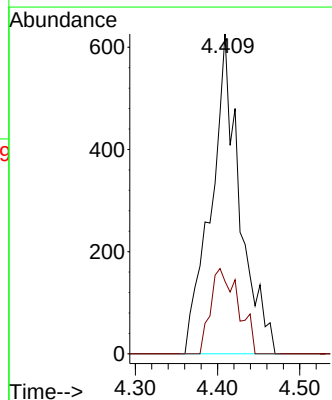
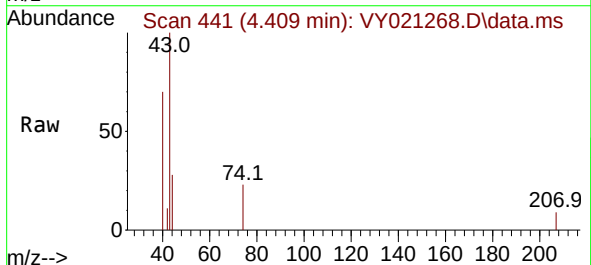


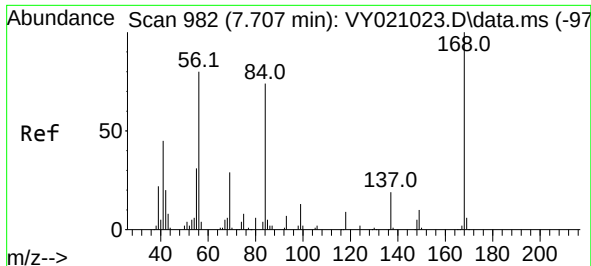
Tgt Ion: 43 Resp: 20606
Ion Ratio Lower Upper
43 100
58 29.5 26.6 39.8



#18
Methyl Acetate
Concen: 1.647 ug/l
RT: 4.409 min Scan# 441
Delta R.T. 0.012 min
Lab File: VY021268.D
Acq: 20 Feb 2025 22:33

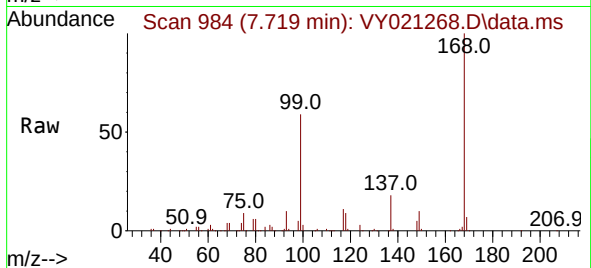
Tgt Ion: 43 Resp: 1522
Ion Ratio Lower Upper
43 100
74 25.8 19.8 29.6



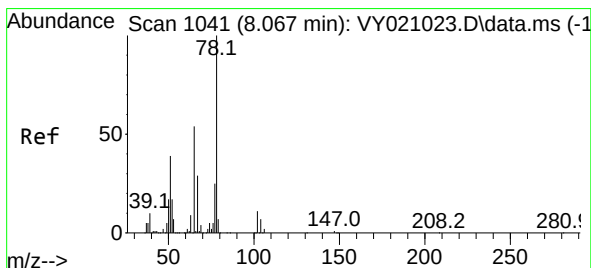
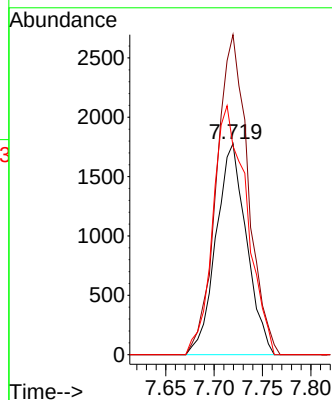
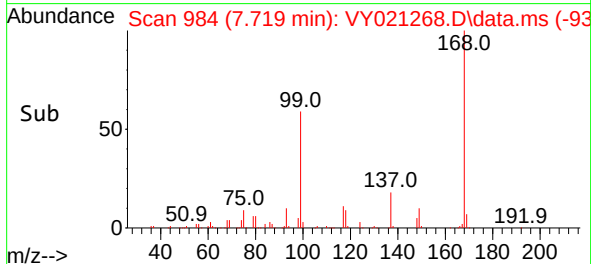


#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY021268.D
Acq: 20 Feb 2025 22:33

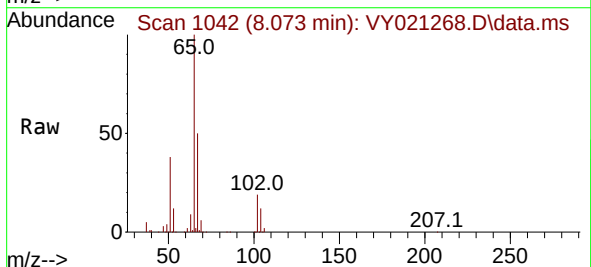
Instrument :
MSVOA_Y
ClientSampleId :



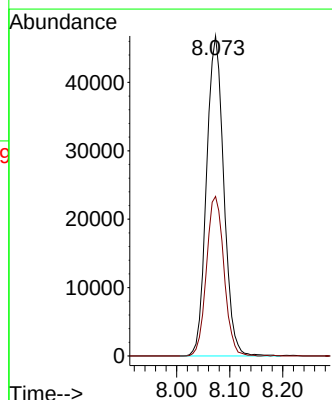
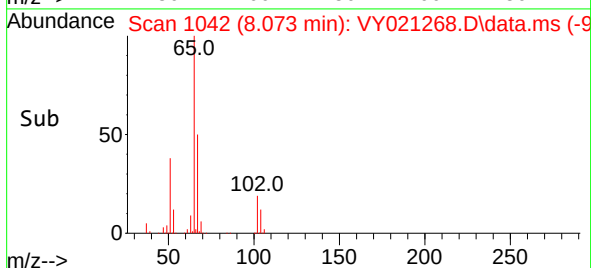
Tgt Ion: 56 Resp: 3893
Ion Ratio Lower Upper
56 100
69 151.6 27.0 40.6#
84 98.8 71.8 107.6

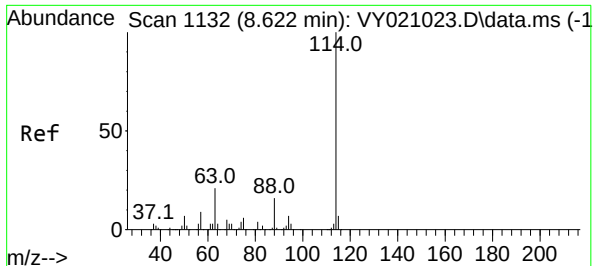


#33
1,2-Dichloroethane-d4
Concen: 62.595 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021268.D
Acq: 20 Feb 2025 22:33



Tgt Ion: 65 Resp: 105673
Ion Ratio Lower Upper
65 100
67 50.6 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY021268.D

Acq: 20 Feb 2025 22:33

Instrument :

MSVOA_Y

ClientSampleId :

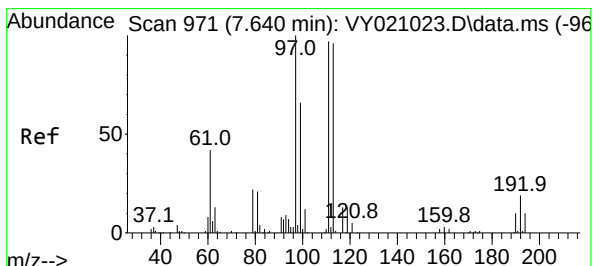
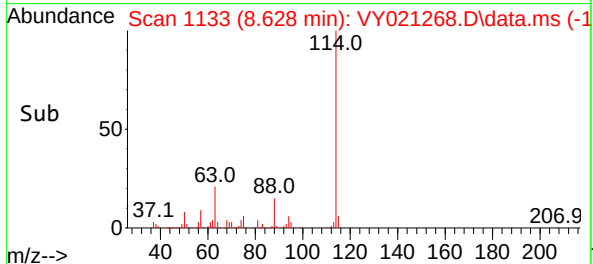
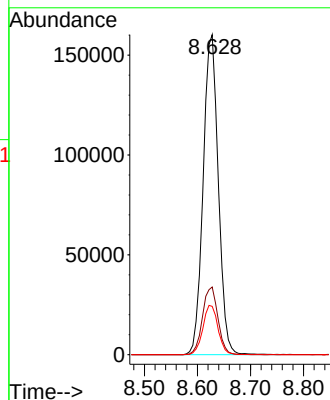
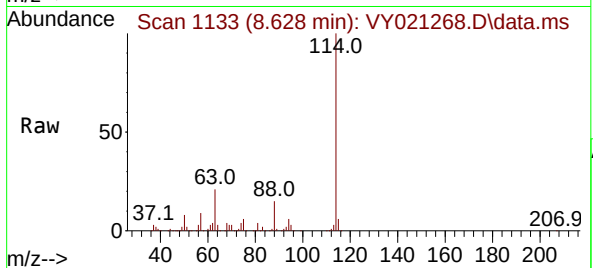
Tgt Ion:114 Resp: 318499

Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.4

88 15.1 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.651 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY021268.D

Acq: 20 Feb 2025 22:33

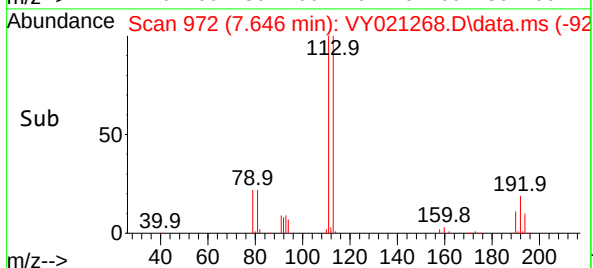
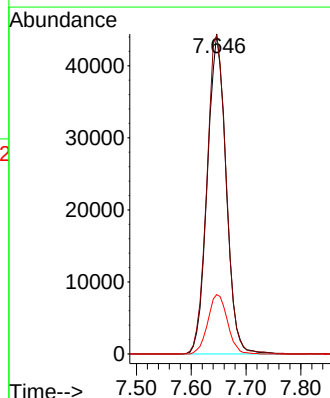
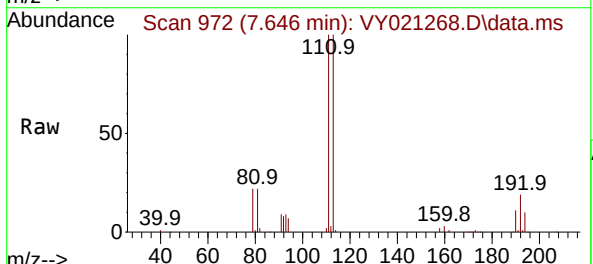
Tgt Ion:113 Resp: 105428

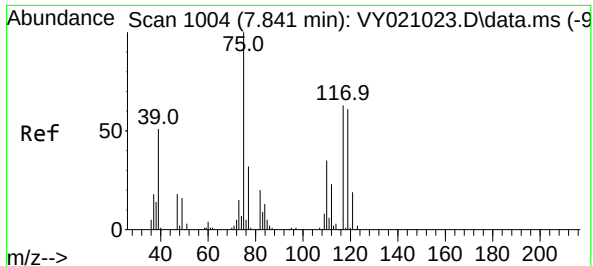
Ion Ratio Lower Upper

113 100

111 102.7 83.8 125.6

192 19.4 14.5 21.7

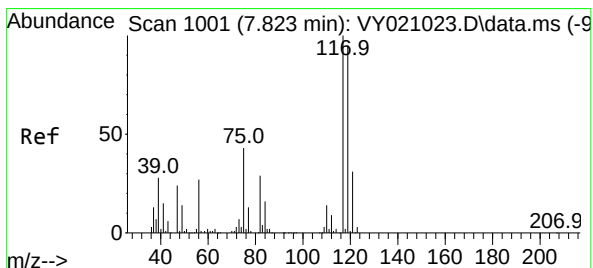
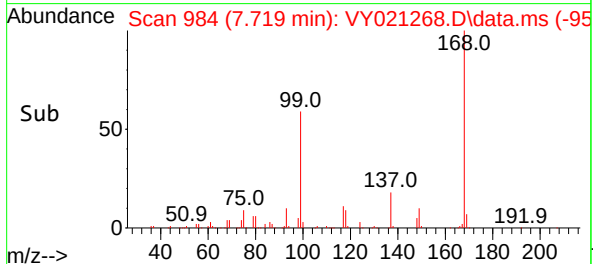
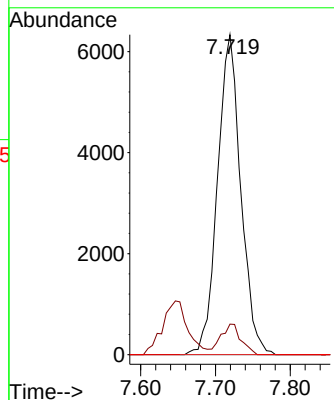
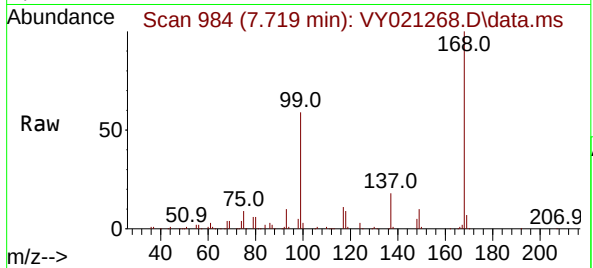




#36
 1,1-Dichloropropene
 Concen: 4.545 ug/l
 RT: 7.719 min Scan# 984
 Delta R.T. -0.122 min
 Lab File: VY021268.D
 Acq: 20 Feb 2025 22:33

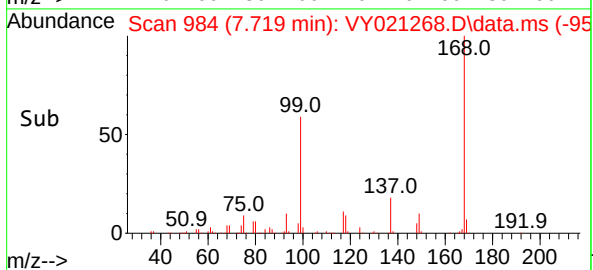
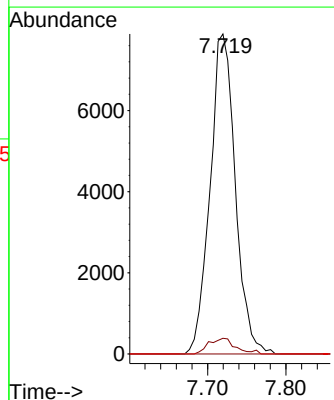
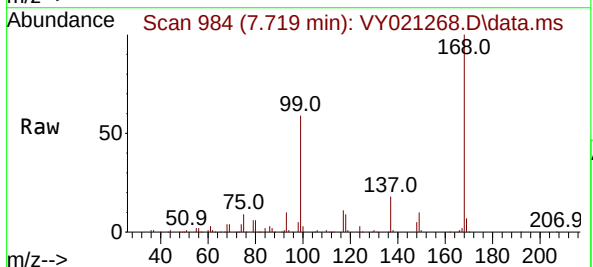
Instrument :
 MSVOA_Y
 ClientSampleId :

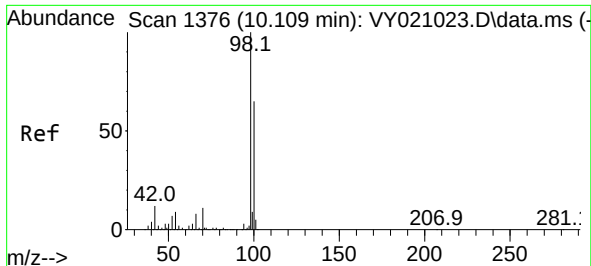
Tgt Ion: 75 Resp: 13742
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.4 52.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.004 ug/l
 RT: 7.719 min Scan# 984
 Delta R.T. -0.104 min
 Lab File: VY021268.D
 Acq: 20 Feb 2025 22:33

Tgt Ion: 117 Resp: 17677
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.0 114.0#
 121 0.0 24.2 36.2#

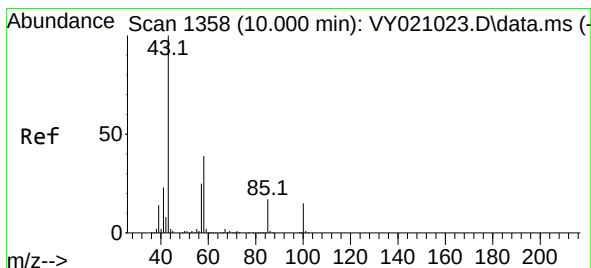
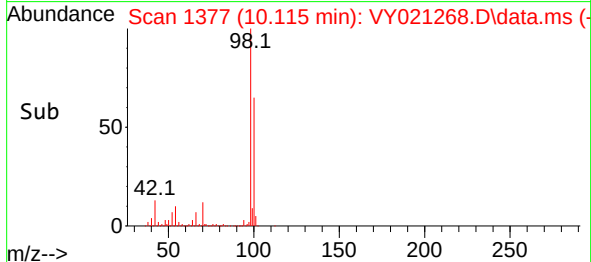
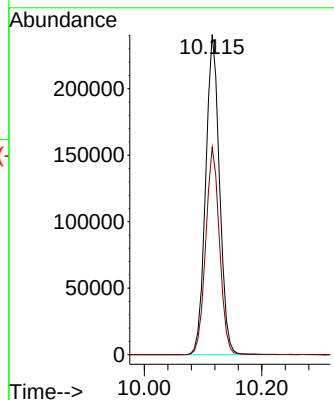
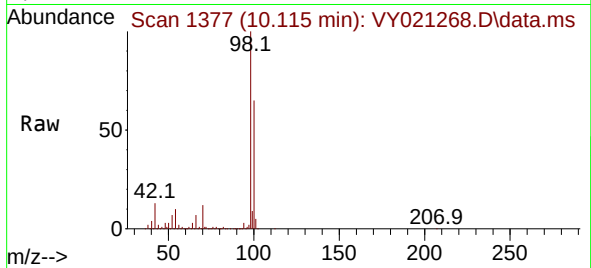




#50
Toluene-d8
Concen: 50.793 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021268.D
Acq: 20 Feb 2025 22:33

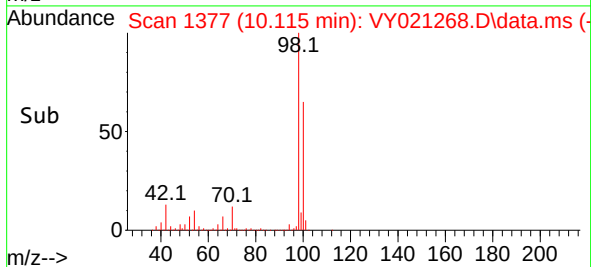
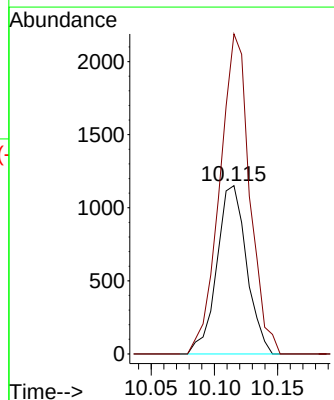
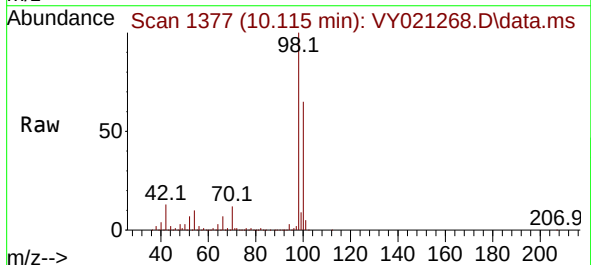
Instrument :
MSVOA_Y
ClientSampleId :

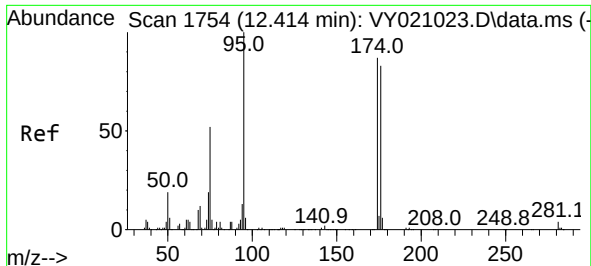
Tgt Ion: 98 Resp: 394704
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.421 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.116 min
Lab File: VY021268.D
Acq: 20 Feb 2025 22:33

Tgt Ion: 43 Resp: 1883
Ion Ratio Lower Upper
43 100
58 192.1 32.2 48.2#

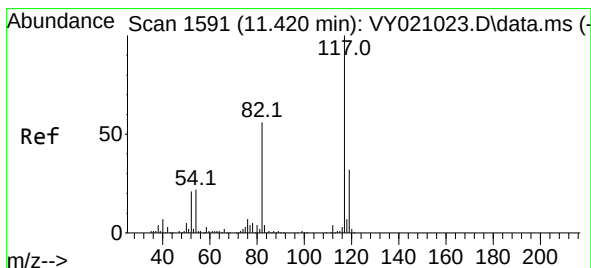
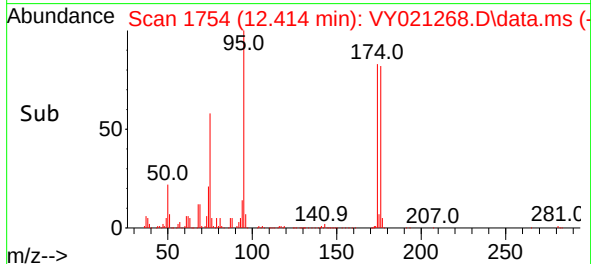
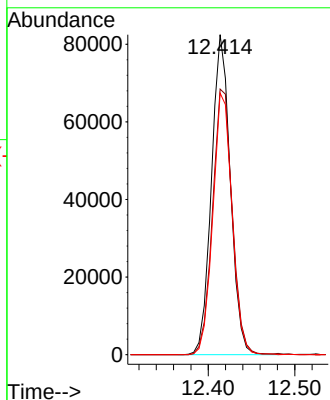
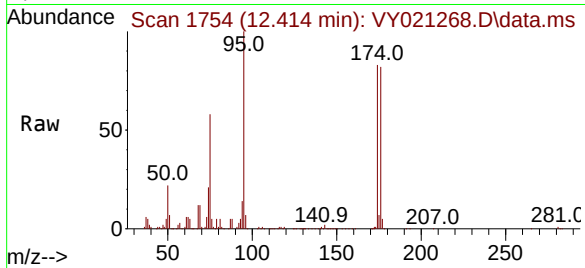




#62
4-Bromofluorobenzene
Concen: 49.117 ug/l
RT: 12.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021268.D
Acq: 20 Feb 2025 22:33

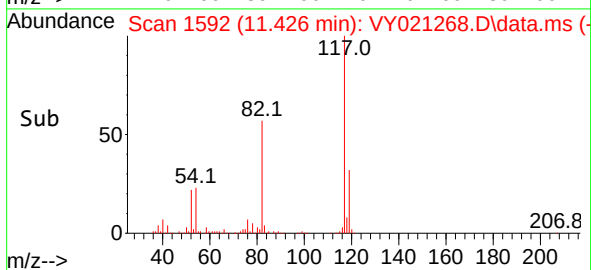
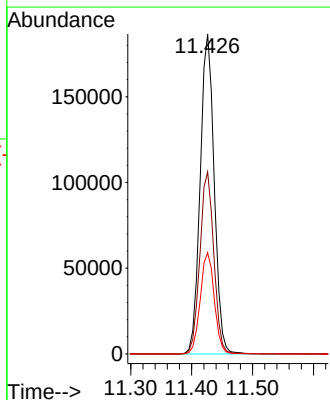
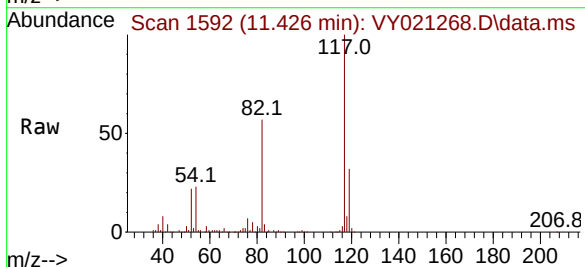
Instrument :
MSVOA_Y
ClientSampleId :

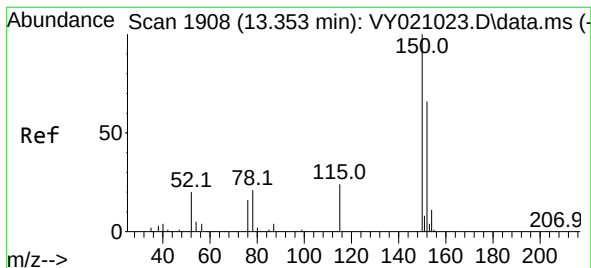
Tgt Ion: 95 Resp: 124693
Ion Ratio Lower Upper
95 100
174 86.9 0.0 160.0
176 83.3 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021268.D
Acq: 20 Feb 2025 22:33

Tgt Ion: 117 Resp: 298586
Ion Ratio Lower Upper
117 100
82 56.9 43.8 65.8
119 31.7 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021268.D

Acq: 20 Feb 2025 22:33

Instrument :

MSVOA_Y

ClientSampleId :

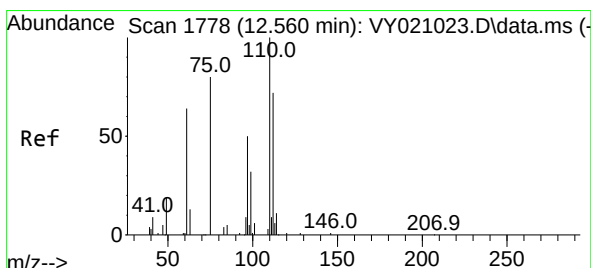
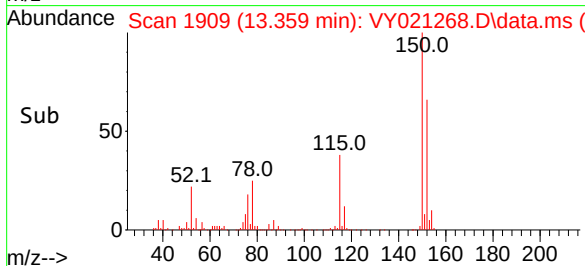
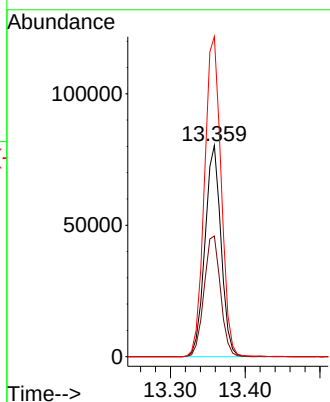
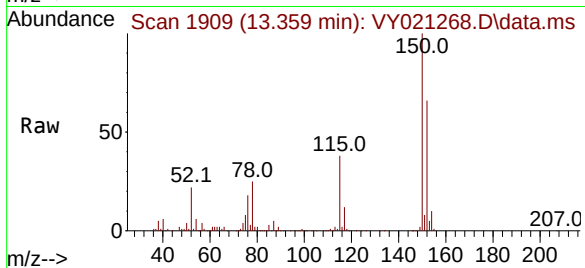
Tgt Ion:152 Resp: 119883

Ion Ratio Lower Upper

152 100

115 58.7 30.0 90.0

150 157.0 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 65.641 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.146 min

Lab File: VY021268.D

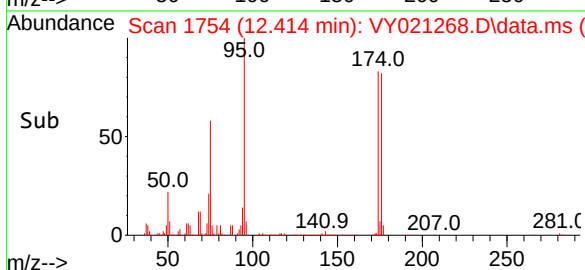
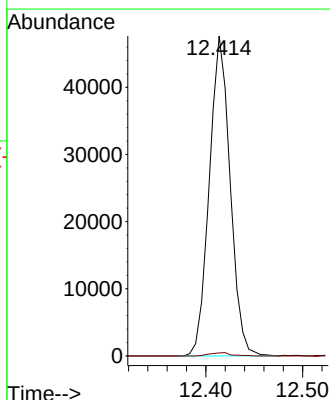
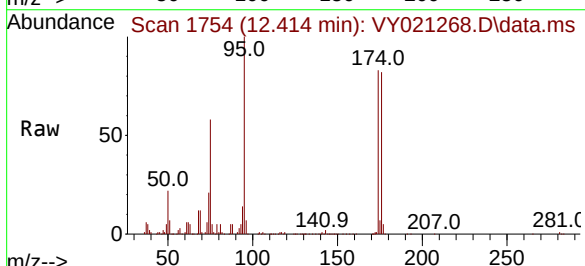
Acq: 20 Feb 2025 22:33

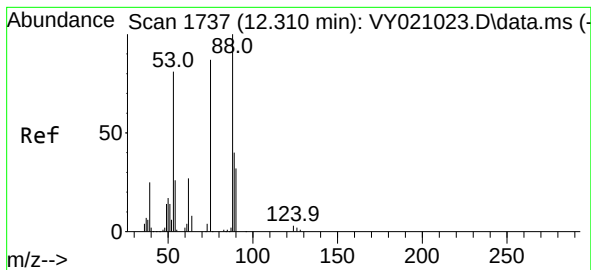
Tgt Ion: 75 Resp: 71384

Ion Ratio Lower Upper

75 100

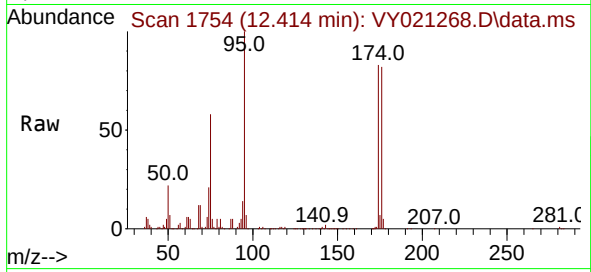
77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 133.940 ug/l
RT: 12.414 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021268.D
Acq: 20 Feb 2025 22:33

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	75	Resp:	71384
Ion	Ratio	Lower	Upper
75	100		
53	0.1	74.0	111.0#
89	0.1	36.5	54.7#

