

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021258.D
 Acq On : 20 Feb 2025 18:39
 Operator : SY/MD
 Sample : Q1383-15
 Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 02:45:02 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)

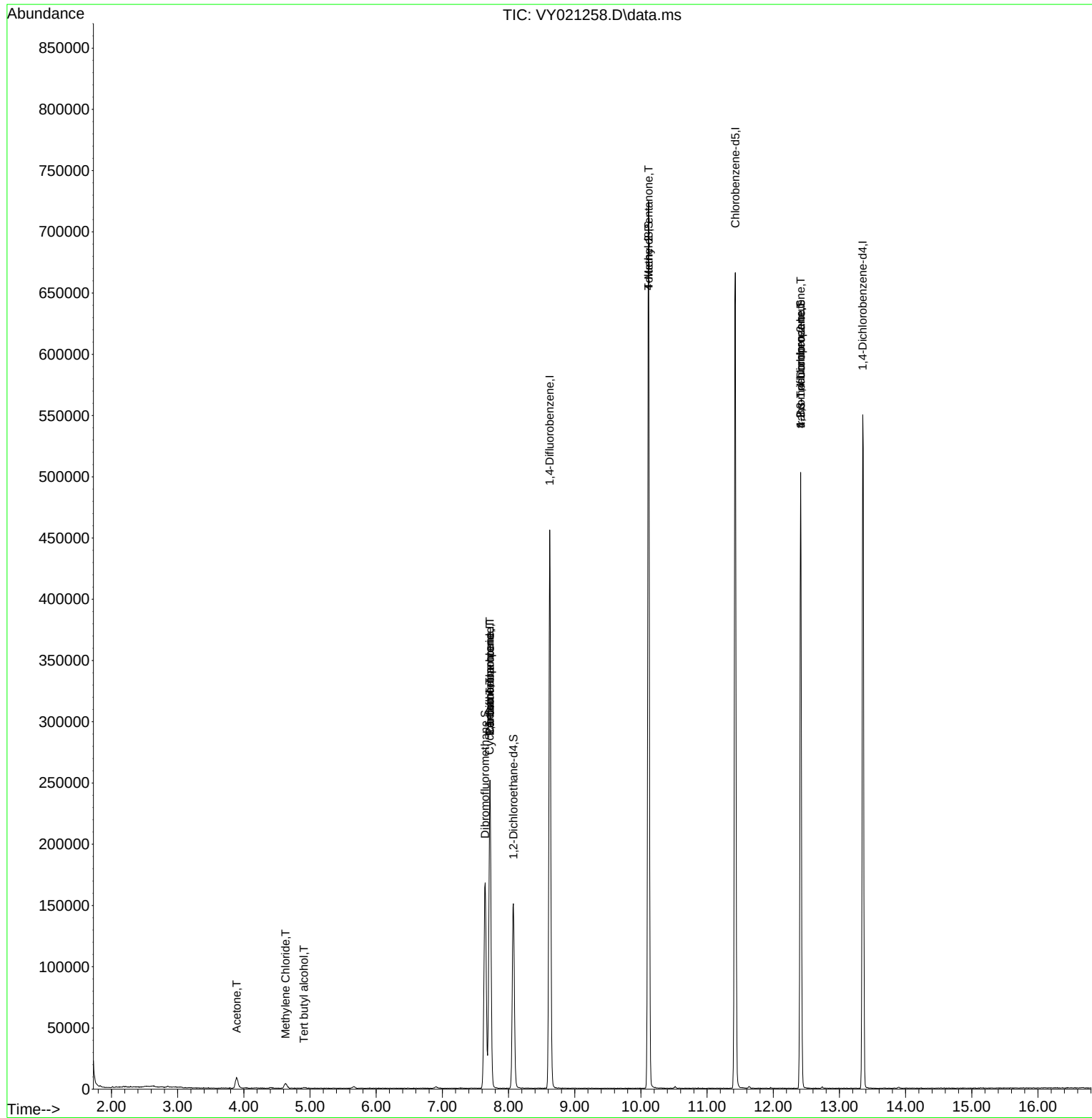
Internal Standards						
1) Pentafluorobenzene	7.719	168	190102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	365770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	342666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	134871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	122059	62.667	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.340%			
35) Dibromofluoromethane	7.646	113	120643	51.467	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.940%			
50) Toluene-d8	10.115	98	447452	50.140	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.280%			
62) 4-Bromofluorobenzene	12.414	95	144835	49.678	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.360%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.909	59	431	3.265	ug/l #	75
16) Acetone	3.891	43	16890	55.606	ug/l	96
20) Methylene Chloride	4.629	84	2756	1.460	ug/l	93
31) Cyclohexane	7.713	56	4268	1.285	ug/l #	12
36) 1,1-Dichloropropene	7.719	75	15770	4.542	ug/l #	50
38) Carbon Tetrachloride	7.719	117	19569	4.824	ug/l #	16
51) 4-Methyl-2-Pentanone	10.115	43	2169	1.425	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	80966	66.179	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	80966	135.036	ug/l #	12

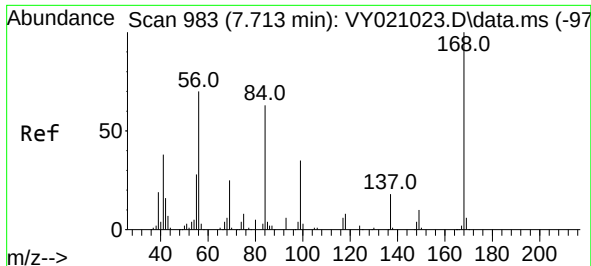
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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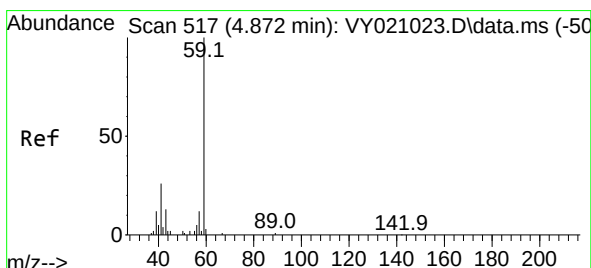
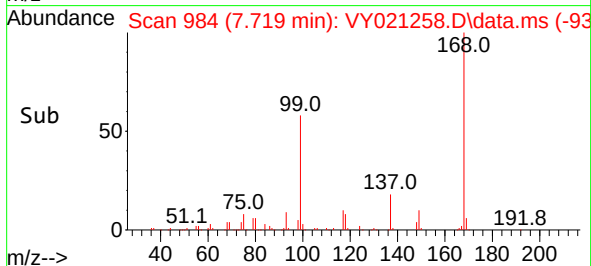
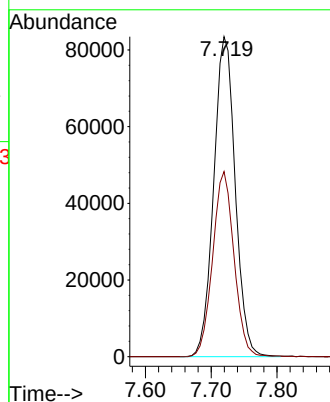
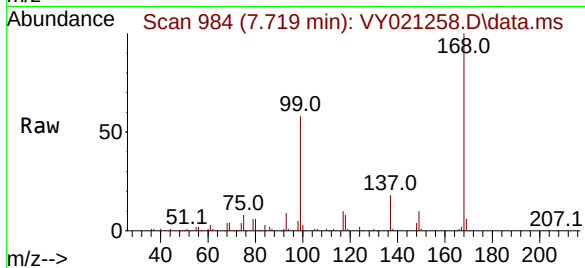




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021258.D
Acq: 20 Feb 2025 18:39

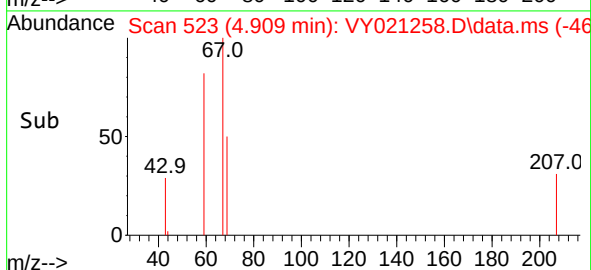
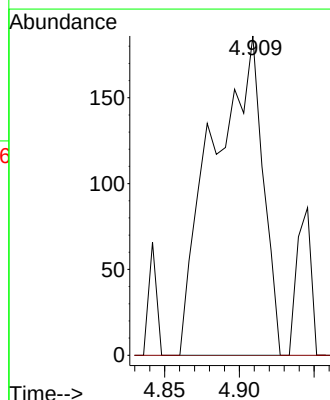
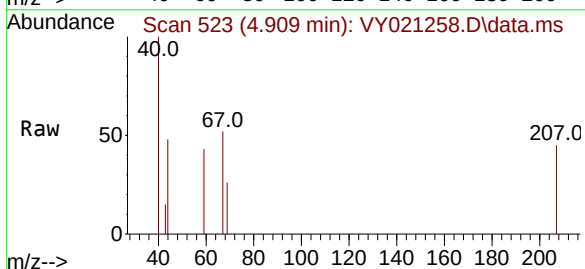
Instrument :
MSVOA_Y
ClientSampleId :

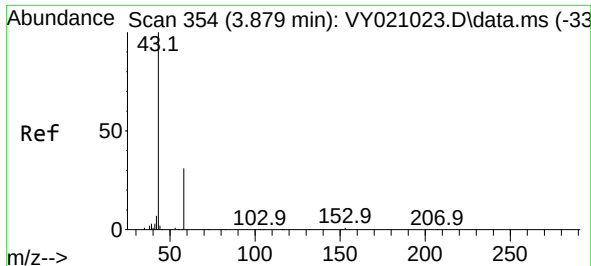
Tgt Ion:168 Resp: 190102
Ion Ratio Lower Upper
168 100
99 57.9 44.2 66.4



#11
Tert butyl alcohol
Concen: 3.265 ug/l
RT: 4.909 min Scan# 523
Delta R.T. 0.036 min
Lab File: VY021258.D
Acq: 20 Feb 2025 18:39

Tgt Ion: 59 Resp: 431
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

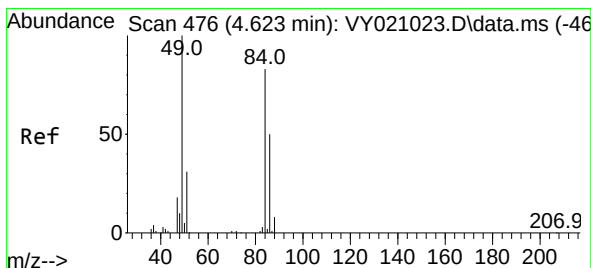
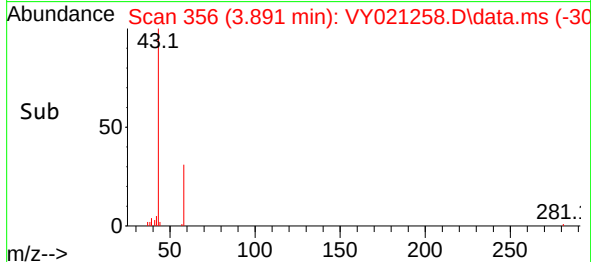
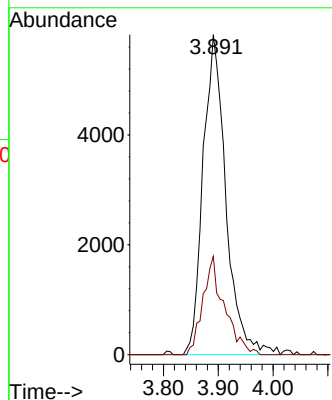
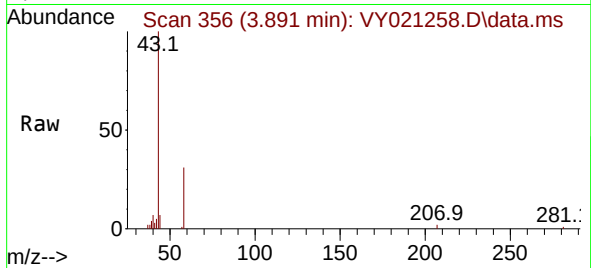




#16
Acetone
Concen: 55.606 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY021258.D
Acq: 20 Feb 2025 18:39

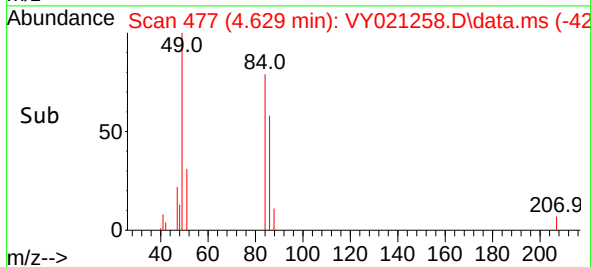
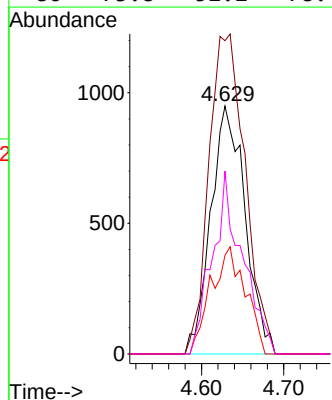
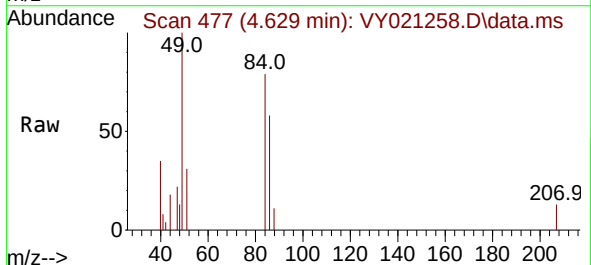
Instrument :
MSVOA_Y
ClientSampleId :

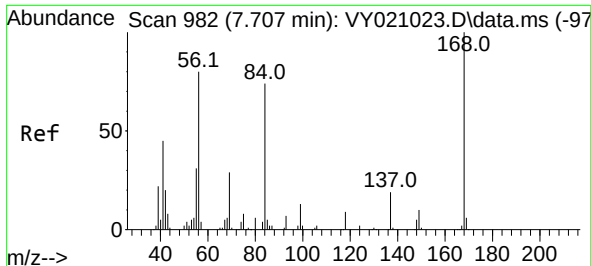
Tgt Ion: 43 Resp: 16890
Ion Ratio Lower Upper
43 100
58 30.7 26.6 39.8



#20
Methylene Chloride
Concen: 1.460 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021258.D
Acq: 20 Feb 2025 18:39

Tgt Ion: 84 Resp: 2756
Ion Ratio Lower Upper
84 100
49 126.3 95.2 142.8
51 39.7 29.9 44.9
86 73.8 52.2 78.4

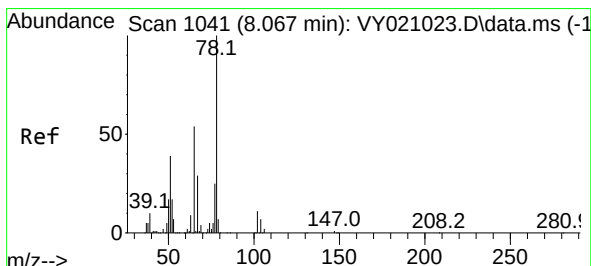
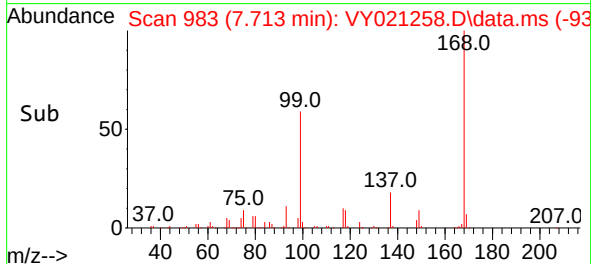
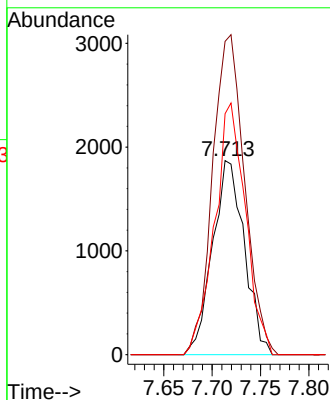
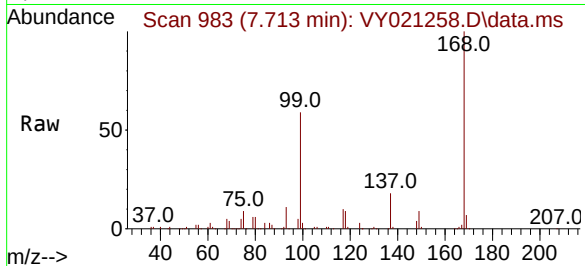




#31
Cyclohexane
Concen: 1.285 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021258.D
Acq: 20 Feb 2025 18:39

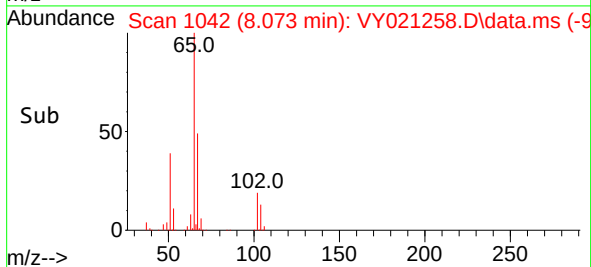
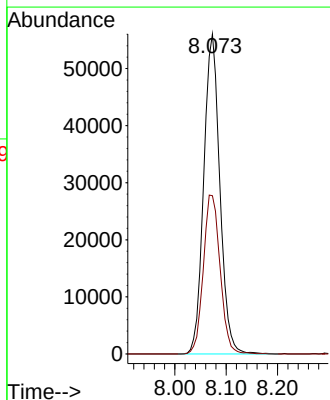
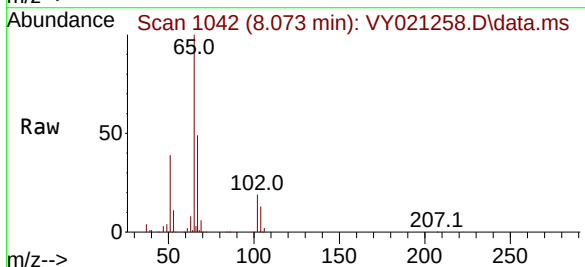
Instrument :
MSVOA_Y
ClientSampleId :

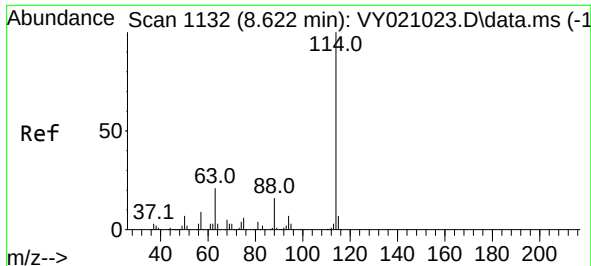
Tgt Ion: 56 Resp: 4268
Ion Ratio Lower Upper
56 100
69 161.4 27.0 40.6#
84 124.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 62.667 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021258.D
Acq: 20 Feb 2025 18:39

Tgt Ion: 65 Resp: 122059
Ion Ratio Lower Upper
65 100
67 51.7 0.0 109.0

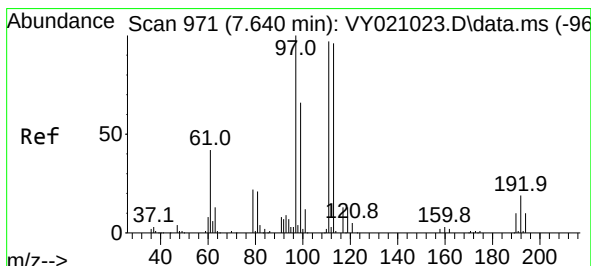
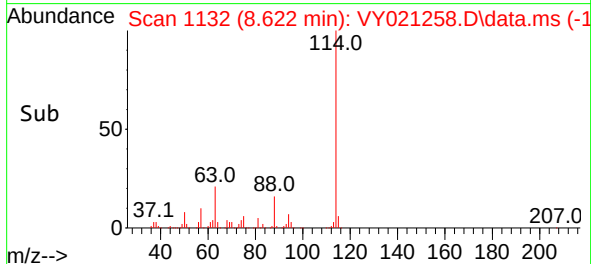
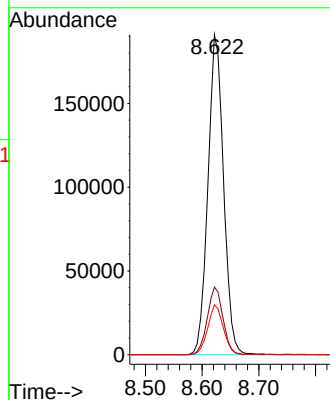
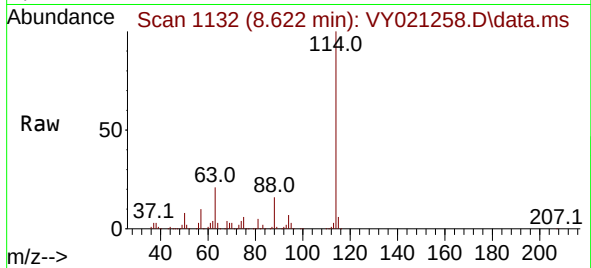




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.622 min Scan# 1132
 Delta R.T. -0.000 min
 Lab File: VY021258.D
 Acq: 20 Feb 2025 18:39

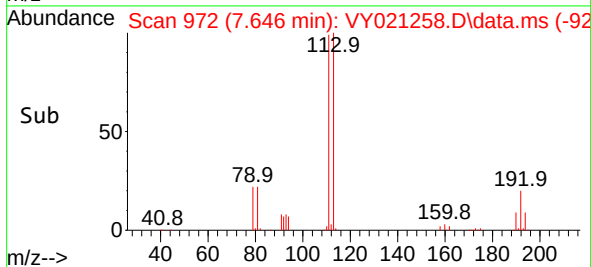
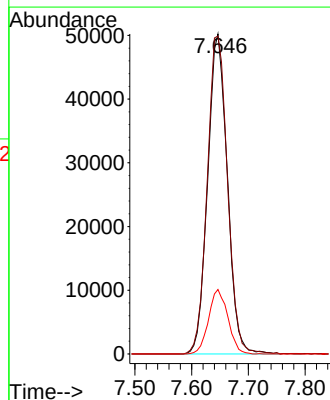
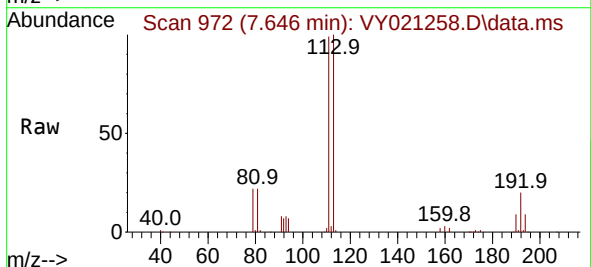
Instrument :
 MSVOA_Y
 ClientSampleId :

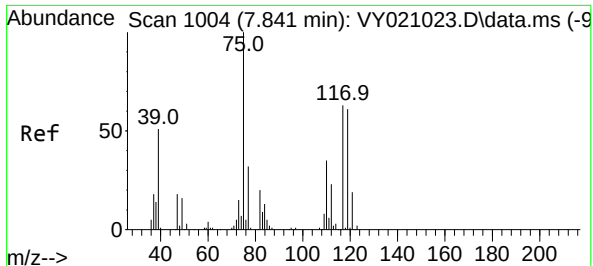
Tgt Ion:114 Resp: 365770
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 37.4
 88 15.6 0.0 29.0



#35
 Dibromofluoromethane
 Concen: 51.467 ug/l
 RT: 7.646 min Scan# 972
 Delta R.T. 0.006 min
 Lab File: VY021258.D
 Acq: 20 Feb 2025 18:39

Tgt Ion:113 Resp: 120643
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.8 125.6
 192 19.8 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.542 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.122 min

Lab File: VY021258.D

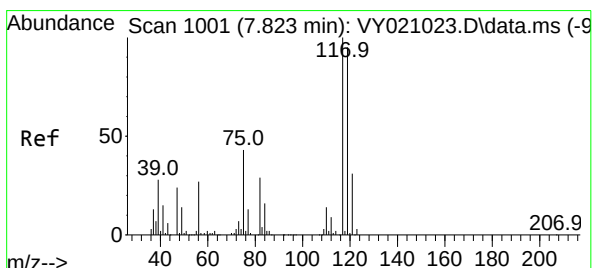
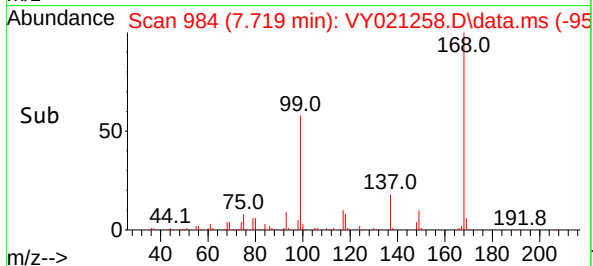
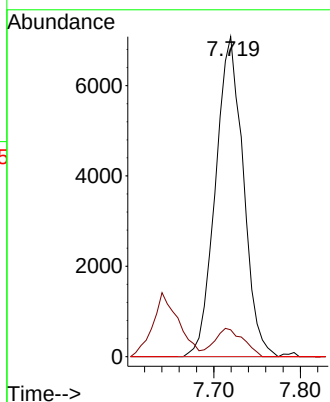
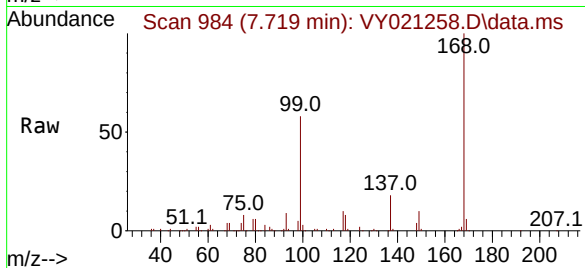
Acq: 20 Feb 2025 18:39

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	15770
Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.4	52.3#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 4.824 ug/l

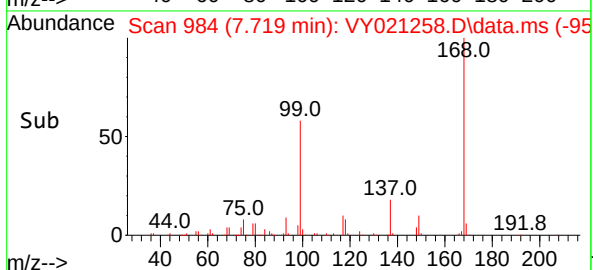
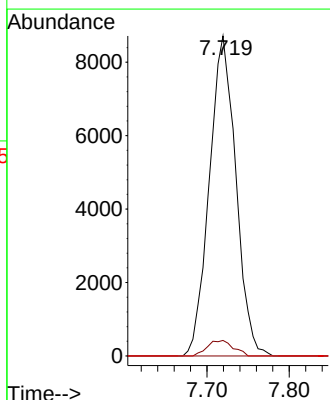
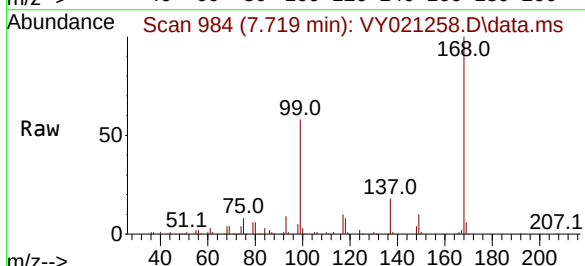
RT: 7.719 min Scan# 984

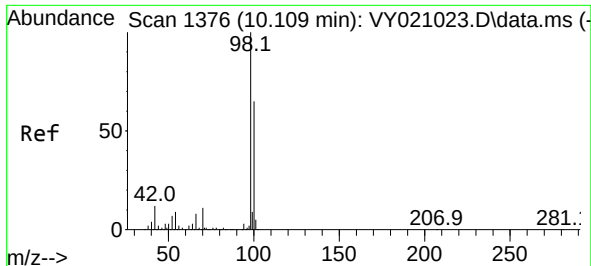
Delta R.T. -0.104 min

Lab File: VY021258.D

Acq: 20 Feb 2025 18:39

Tgt Ion:	117	Resp:	19569
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.0	114.0#
121	0.0	24.2	36.2#

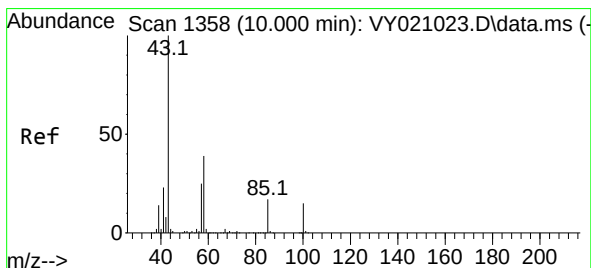
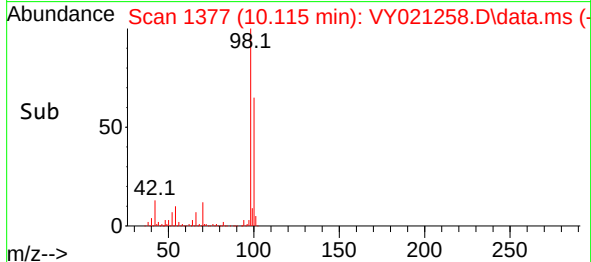
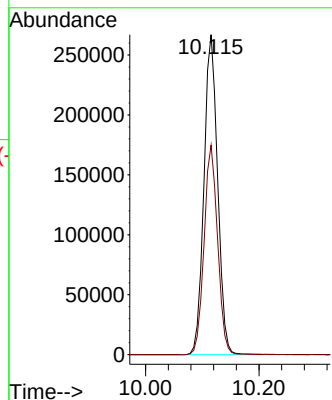
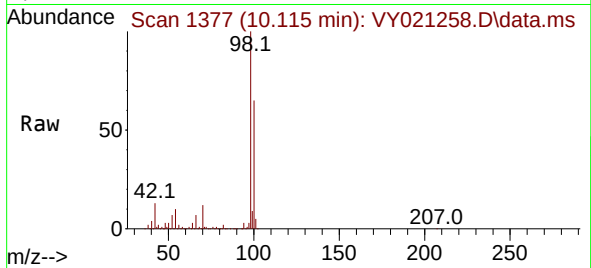




#50
Toluene-d8
Concen: 50.140 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021258.D
Acq: 20 Feb 2025 18:39

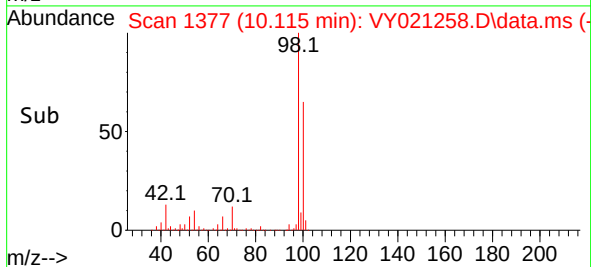
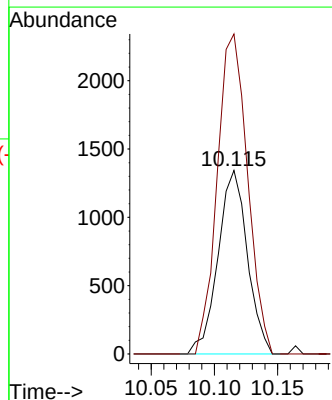
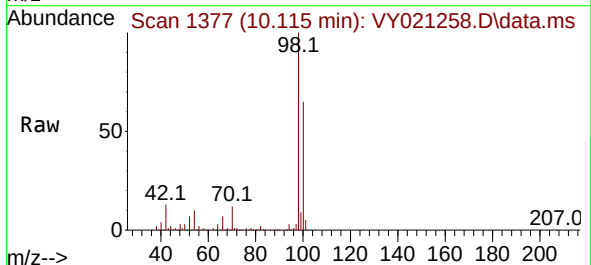
Instrument :
MSVOA_Y
ClientSampleId :

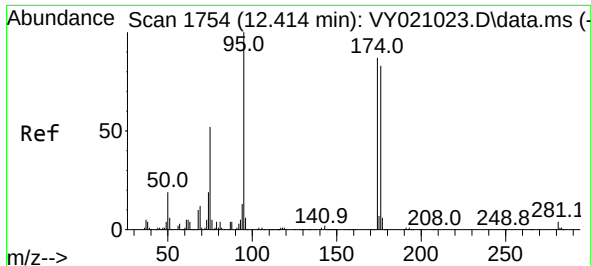
Tgt Ion: 98 Resp: 447452
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.425 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.116 min
Lab File: VY021258.D
Acq: 20 Feb 2025 18:39

Tgt Ion: 43 Resp: 2169
Ion Ratio Lower Upper
43 100
58 179.8 32.2 48.2#

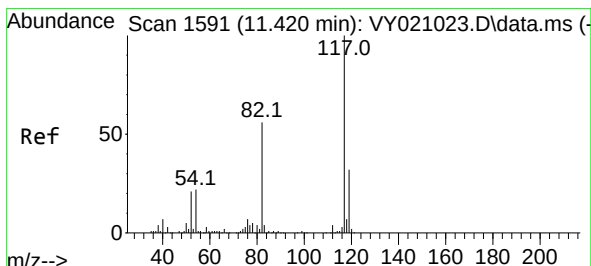
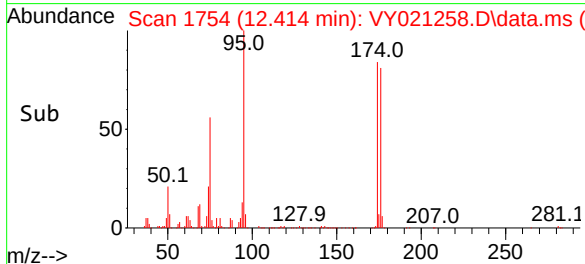
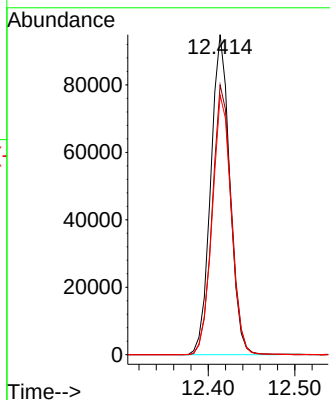
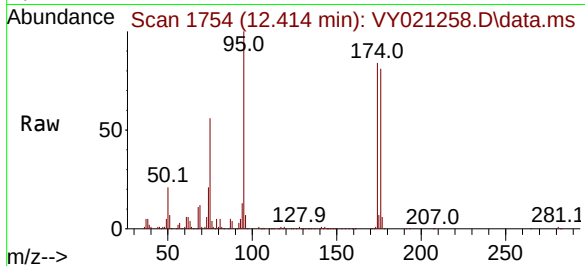




#62
4-Bromofluorobenzene
Concen: 49.678 ug/l
RT: 12.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021258.D
Acq: 20 Feb 2025 18:39

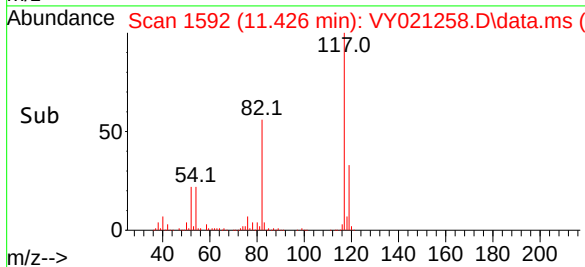
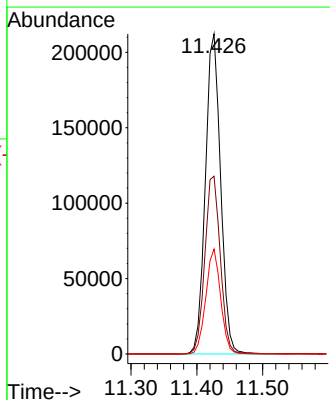
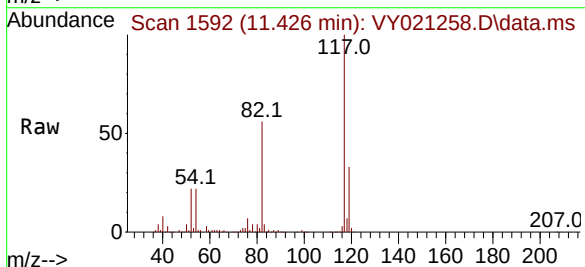
Instrument :
MSVOA_Y
ClientSampleId :

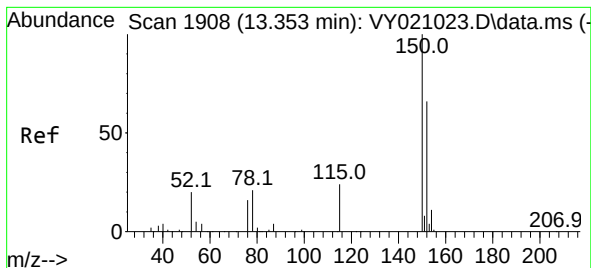
Tgt Ion: 95 Resp: 144835
Ion Ratio Lower Upper
95 100
174 84.6 0.0 160.0
176 81.4 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021258.D
Acq: 20 Feb 2025 18:39

Tgt Ion: 117 Resp: 342666
Ion Ratio Lower Upper
117 100
82 55.5 43.8 65.8
119 32.8 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

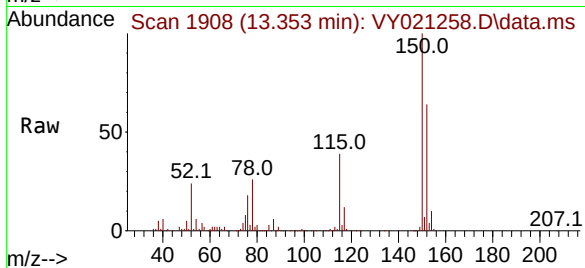
Lab File: VY021258.D

Acq: 20 Feb 2025 18:39

Instrument :

MSVOA_Y

ClientSampleId :



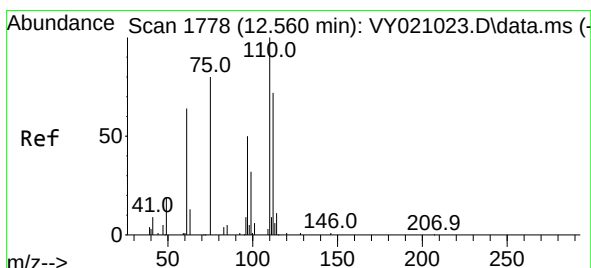
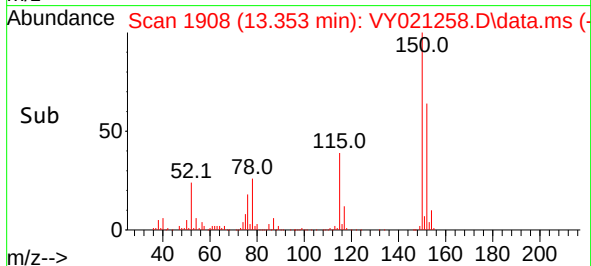
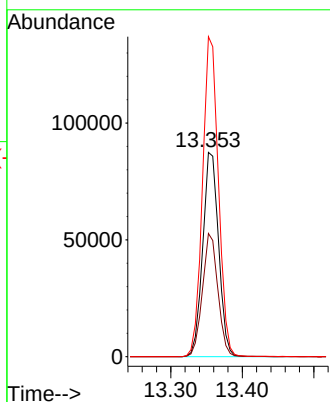
Tgt Ion:152 Resp: 134871

Ion Ratio Lower Upper

152 100

115 58.7 30.0 90.0

150 156.5 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 66.179 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.146 min

Lab File: VY021258.D

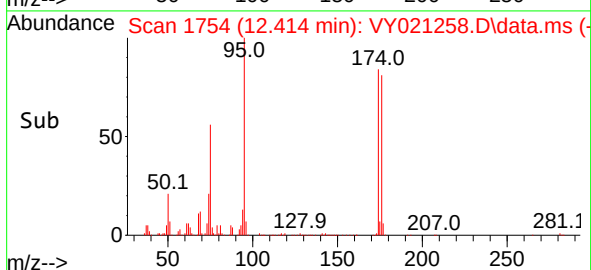
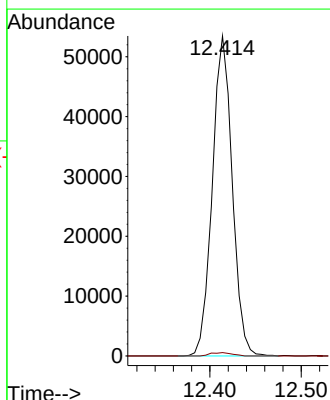
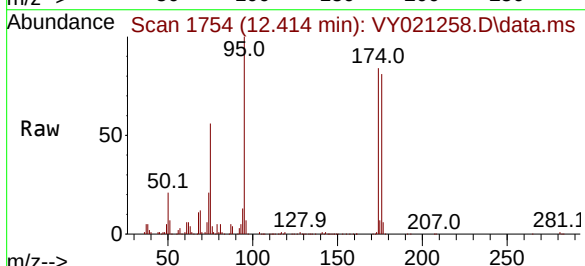
Acq: 20 Feb 2025 18:39

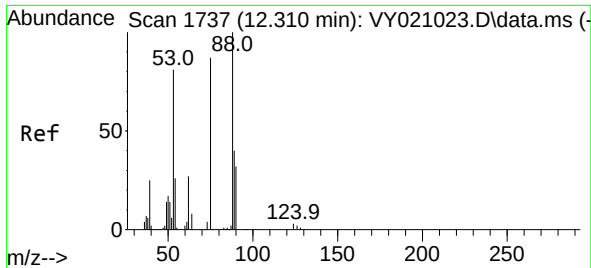
Tgt Ion: 75 Resp: 80966

Ion Ratio Lower Upper

75 100

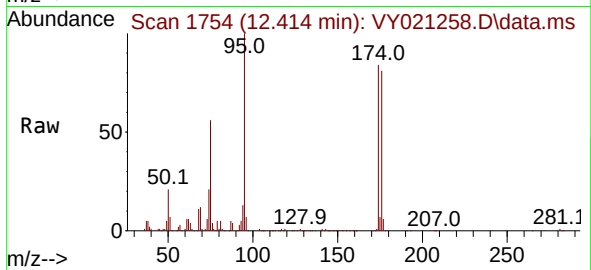
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.036 ug/l
 RT: 12.414 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021258.D
 Acq: 20 Feb 2025 18:39

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 80966
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#

