

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072224\
 Data File : VY018891.D
 Acq On : 22 Jul 2024 15:20
 Operator : SY/MD
 Sample : P3302-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 23 01:52:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

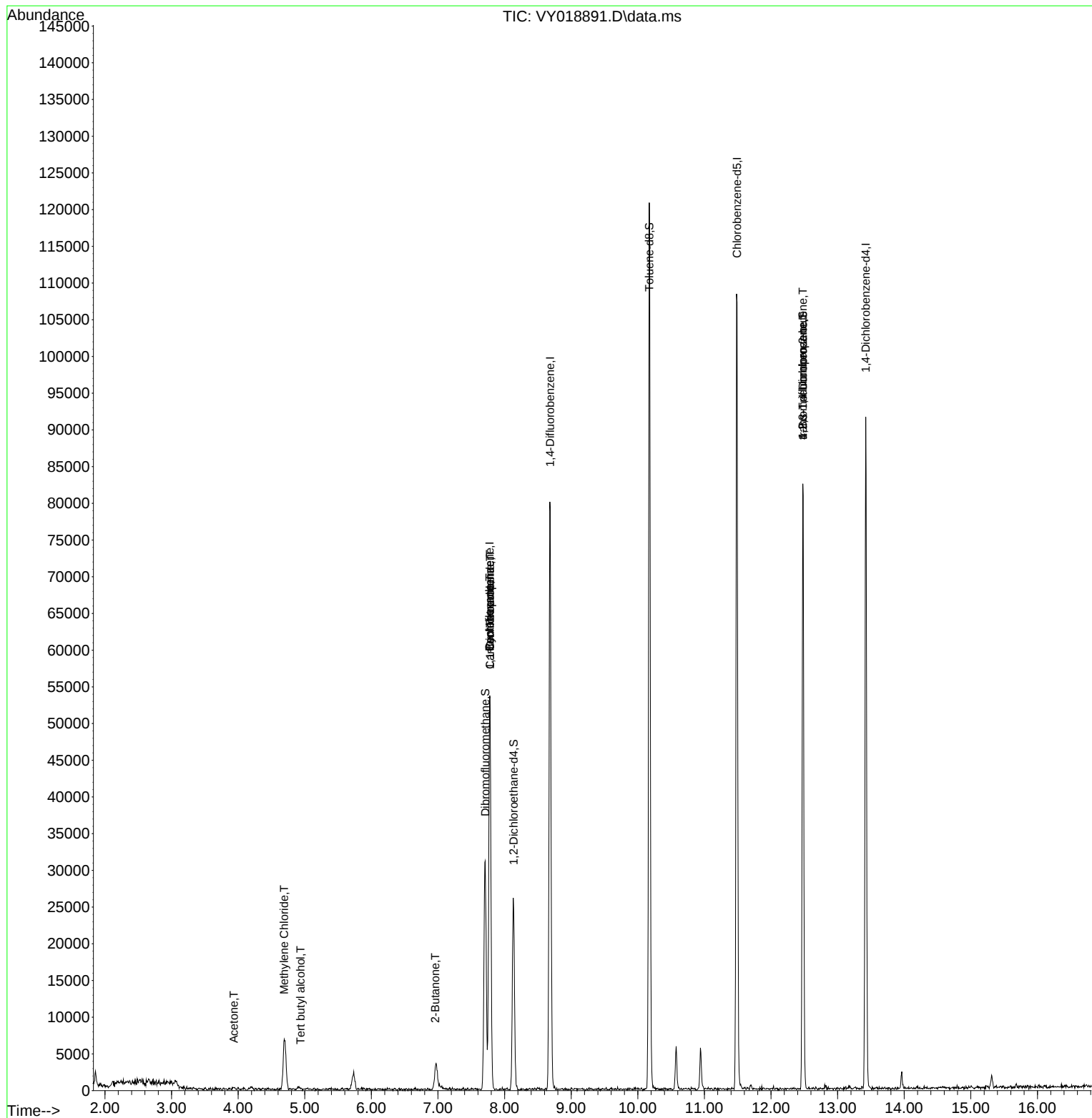
Internal Standards						
1) Pentafluorobenzene	7.777	168	42675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	70880	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	62053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	25103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	20403	48.587	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.180%
35) Dibromofluoromethane	7.710	113	21816	49.142	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.280%
50) Toluene-d8	10.173	98	79078	47.017	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.040%
62) 4-Bromofluorobenzene	12.477	95	24151	42.048	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.100%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	137	3.221	ug/l #	88
16) Acetone	3.936	43	466	6.019	ug/l #	36
20) Methylene Chloride	4.692	84	5070	7.327	ug/l	95
25) 2-Butanone	6.960	43	130	1.198	ug/l #	41
31) Cyclohexane	7.777	56	829	1.285	ug/l #	47
36) 1,1-Dichloropropene	7.783	75	3161	5.160	ug/l #	46
38) Carbon Tetrachloride	7.783	117	4018	5.445	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	12968	65.957	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	12968	147.617	ug/l #	16

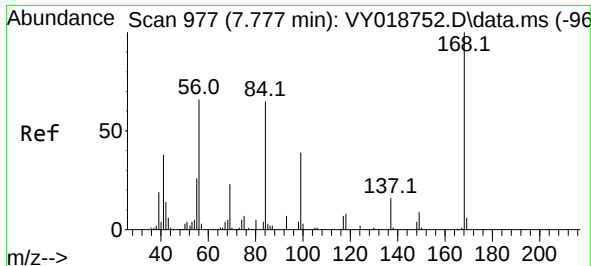
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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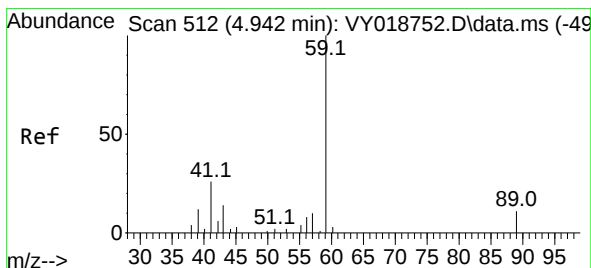
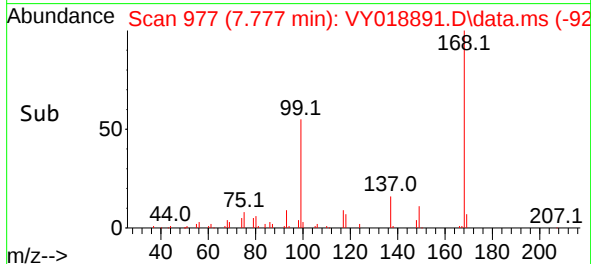
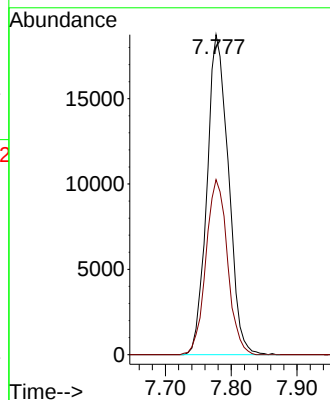
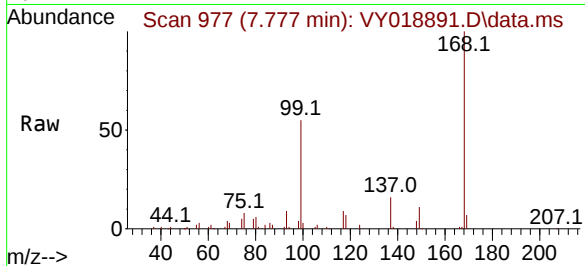




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018891.D
Acq: 22 Jul 2024 15:20

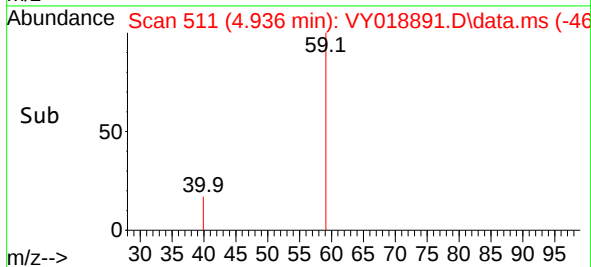
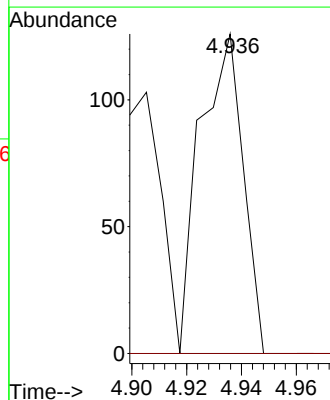
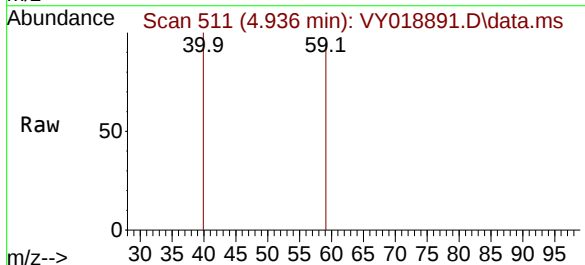
Instrument :
MSVOA_Y
ClientSampleId :

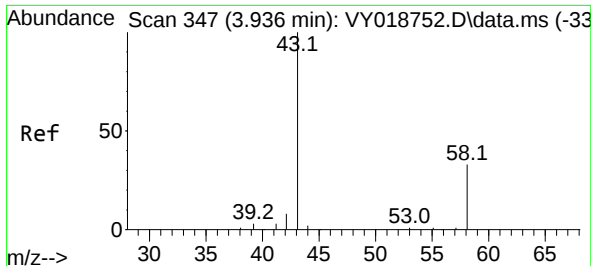
Tgt Ion:168 Resp: 42675
Ion Ratio Lower Upper
168 100
99 54.7 39.1 58.7



#11
Tert butyl alcohol
Concen: 3.221 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY018891.D
Acq: 22 Jul 2024 15:20

Tgt Ion: 59 Resp: 137
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 6.019 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY018891.D

Acq: 22 Jul 2024 15:20

Instrument :

MSVOA_Y

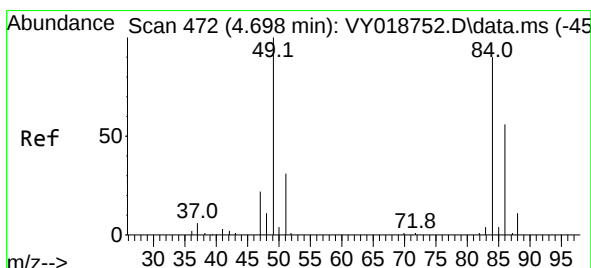
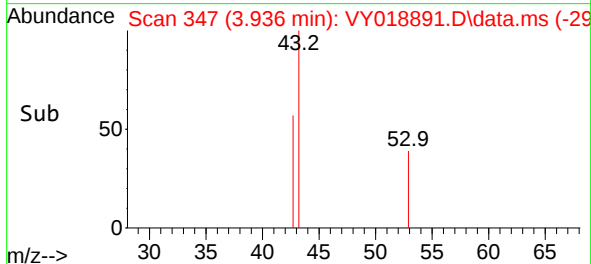
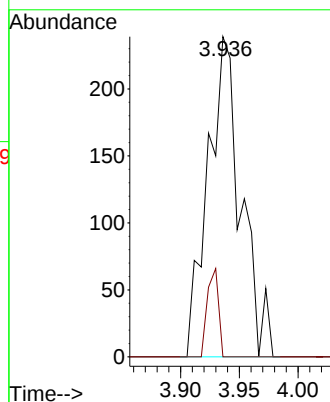
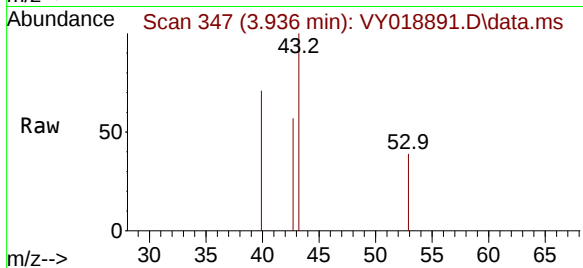
ClientSampleId :

Tgt Ion: 43 Resp: 466

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: 7.327 ug/l

RT: 4.692 min Scan# 471

Delta R.T. -0.006 min

Lab File: VY018891.D

Acq: 22 Jul 2024 15:20

Tgt Ion: 84 Resp: 5070

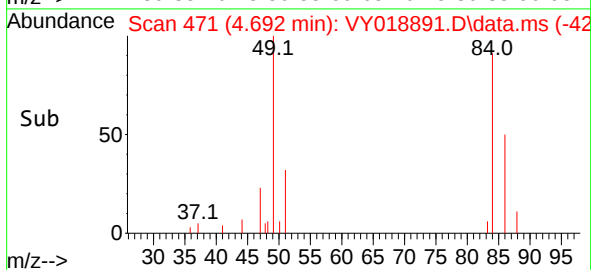
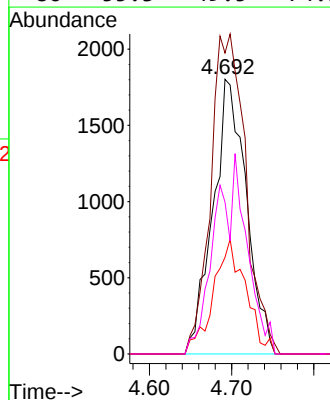
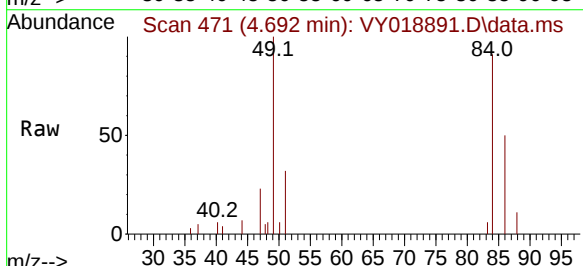
Ion Ratio Lower Upper

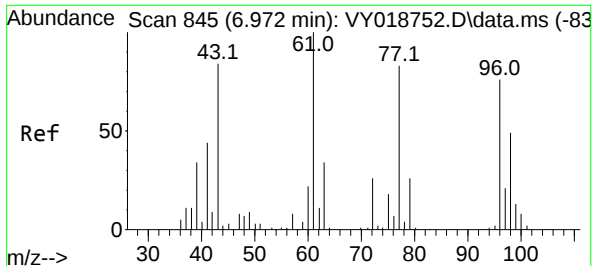
84 100

49 109.5 84.4 126.6

51 35.2 26.0 39.0

86 55.3 49.5 74.3

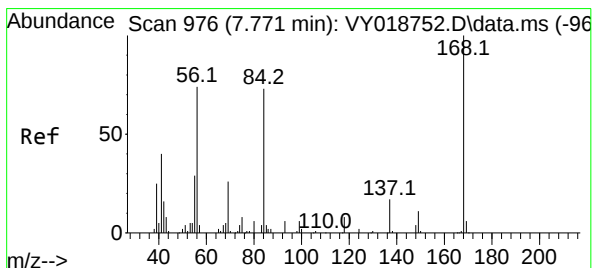
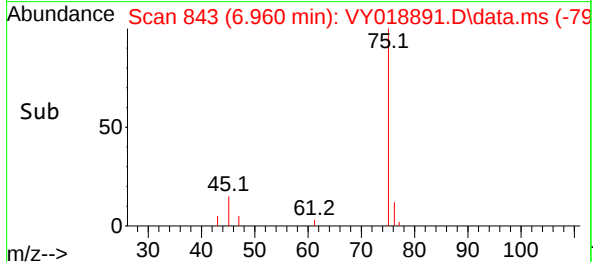
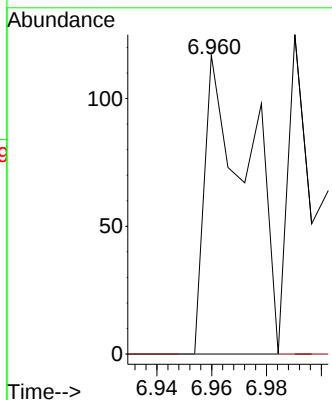
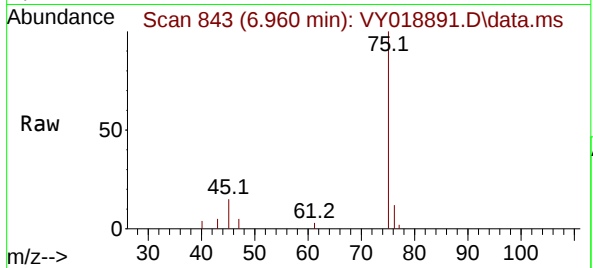




#25
2-Butanone
Concen: 1.198 ug/l
RT: 6.960 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY018891.D
Acq: 22 Jul 2024 15:20

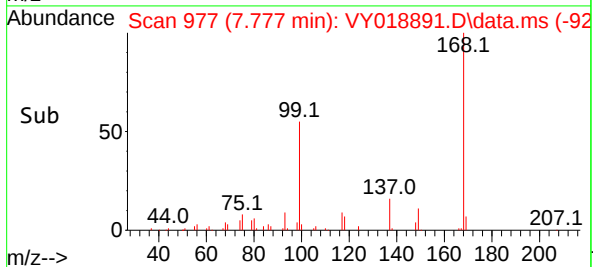
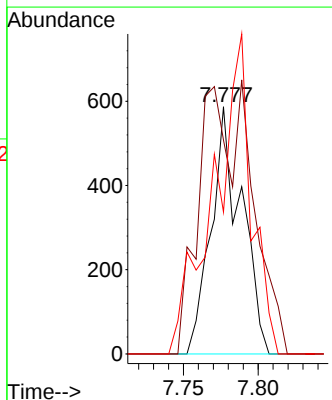
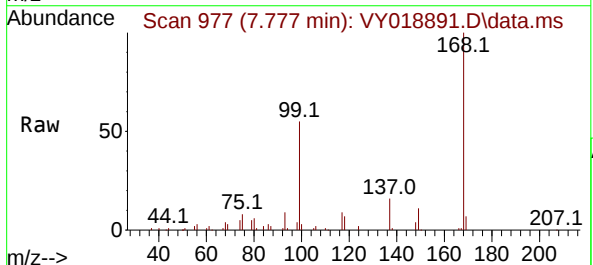
Instrument :
MSVOA_Y
ClientSampleId :

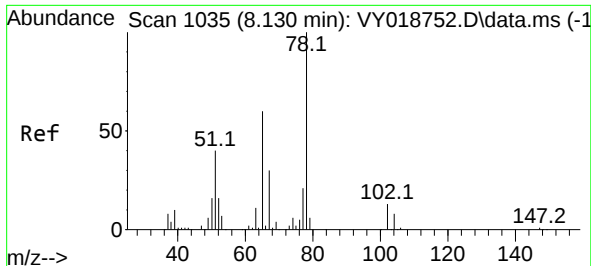
Tgt Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#31
Cyclohexane
Concen: 1.285 ug/l
RT: 7.777 min Scan# 977
Delta R.T. 0.006 min
Lab File: VY018891.D
Acq: 22 Jul 2024 15:20

Tgt Ion: 56 Resp: 829
Ion Ratio Lower Upper
56 100
69 86.5 28.7 43.1#
84 57.4 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 48.587 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY018891.D

Acq: 22 Jul 2024 15:20

Instrument :

MSVOA_Y

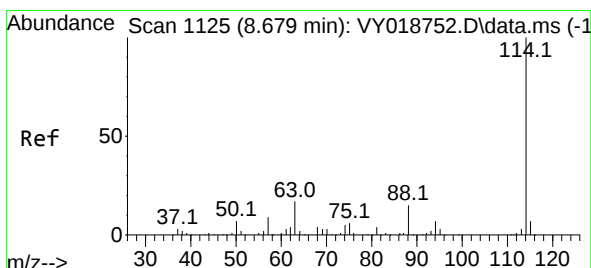
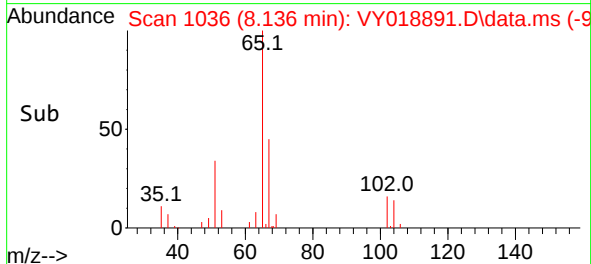
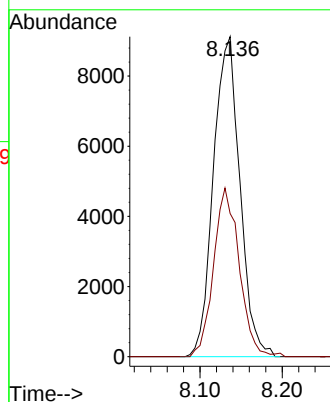
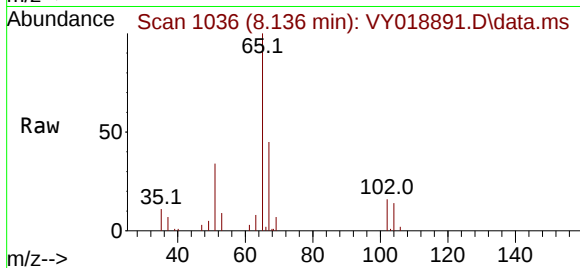
ClientSampleId :

Tgt Ion: 65 Resp: 20403

Ion Ratio Lower Upper

65 100

67 51.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY018891.D

Acq: 22 Jul 2024 15:20

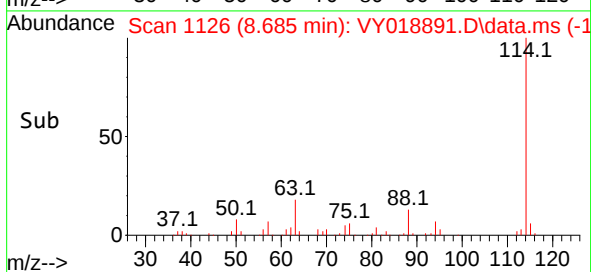
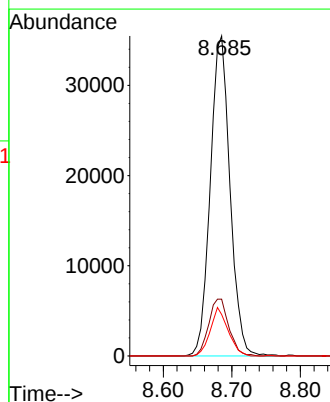
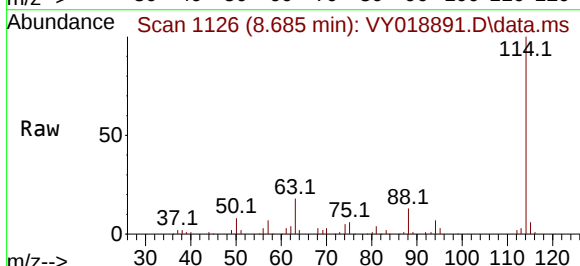
Tgt Ion: 114 Resp: 70880

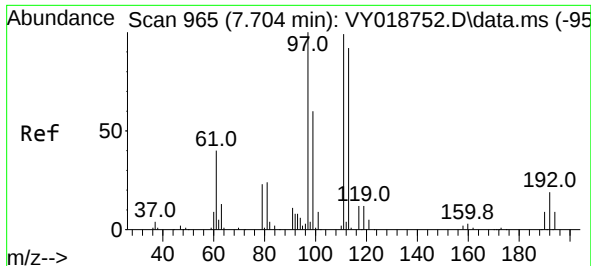
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

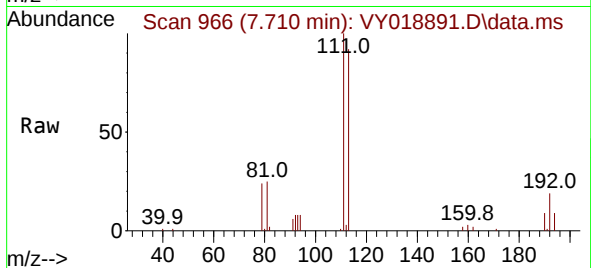
88 12.9 0.0 27.2



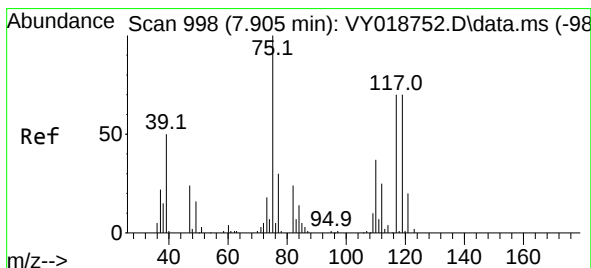
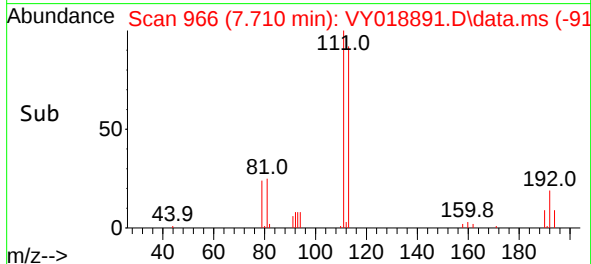
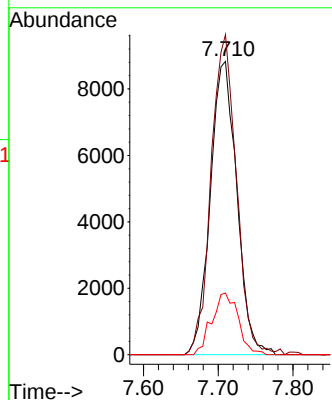


#35
Dibromofluoromethane
Concen: 49.142 ug/l
RT: 7.710 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY018891.D
Acq: 22 Jul 2024 15:20

Instrument :
MSVOA_Y
ClientSampleId :

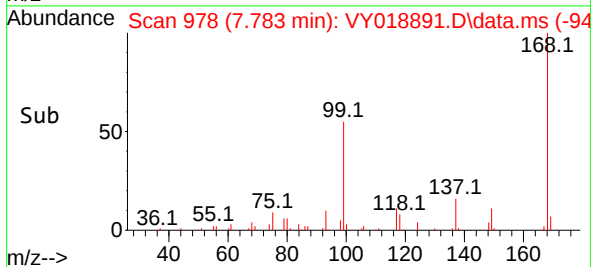
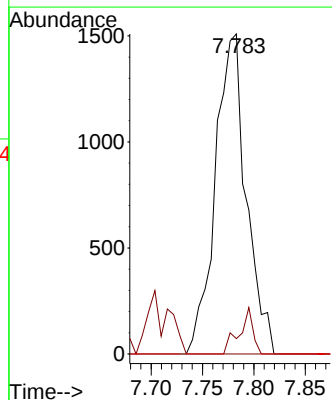
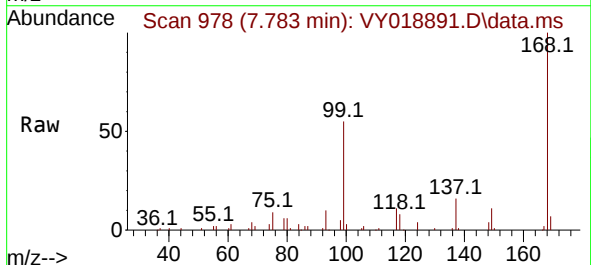


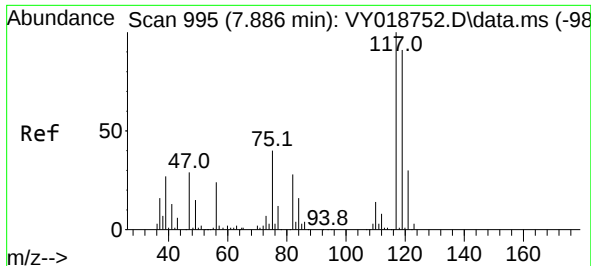
Tgt Ion:113 Resp: 21816
Ion Ratio Lower Upper
113 100
111 104.6 82.2 123.4
192 20.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.160 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY018891.D
Acq: 22 Jul 2024 15:20

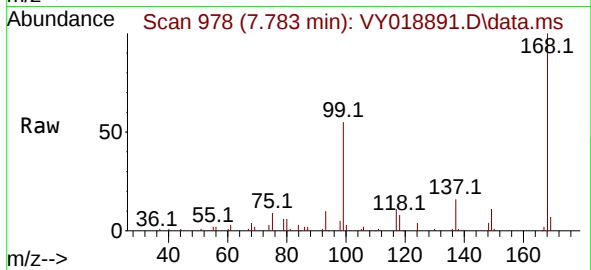
Tgt Ion: 75 Resp: 3161
Ion Ratio Lower Upper
75 100
110 6.4 19.0 57.0#
77 0.0 25.3 37.9#



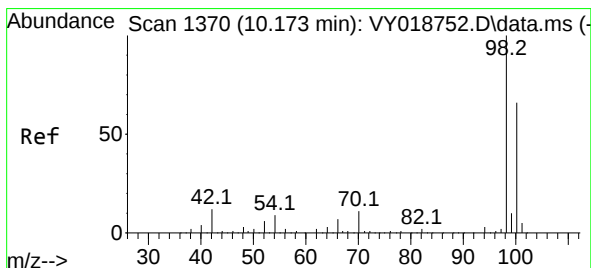
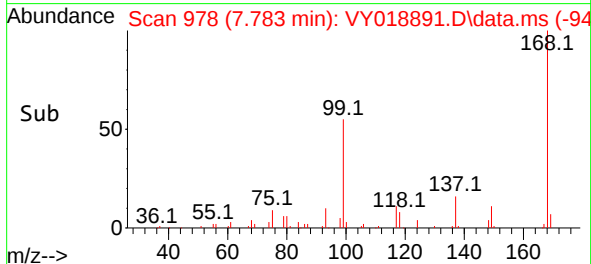
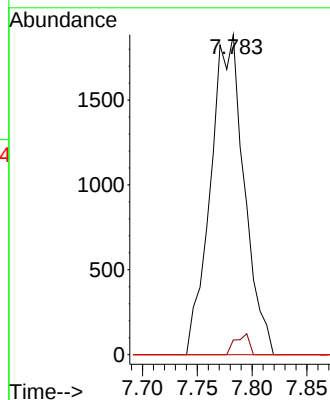


#38
Carbon Tetrachloride
Concen: 5.445 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY018891.D
Acq: 22 Jul 2024 15:20

Instrument :
MSVOA_Y
ClientSampleId :

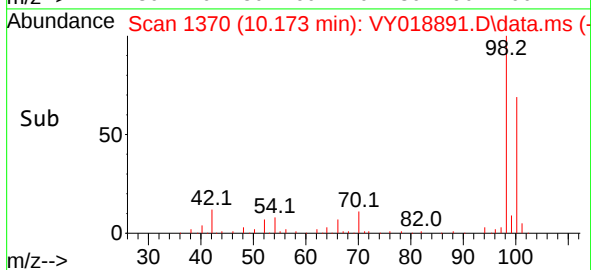
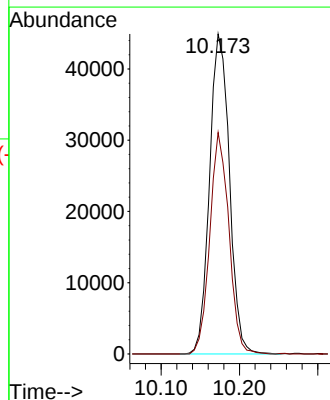
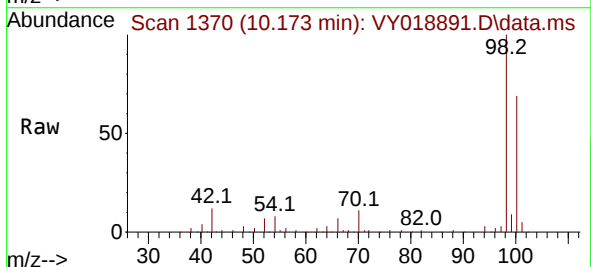


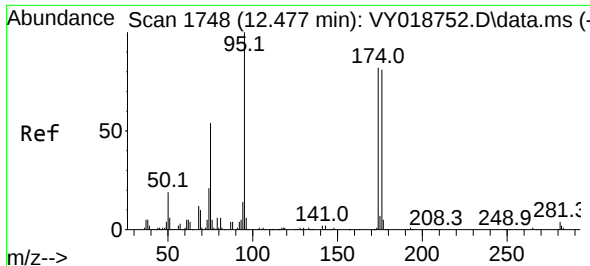
Tgt Ion:117 Resp: 4018
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.017 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY018891.D
Acq: 22 Jul 2024 15:20

Tgt Ion: 98 Resp: 79078
Ion Ratio Lower Upper
98 100
100 66.3 52.0 78.0

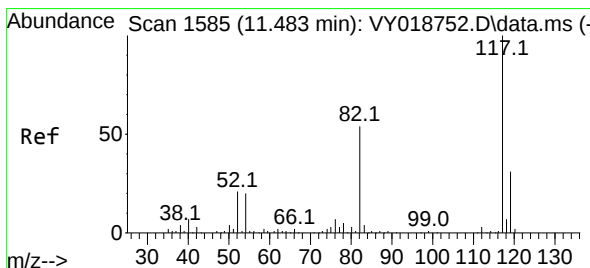
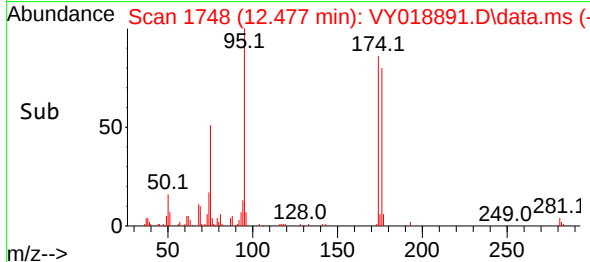
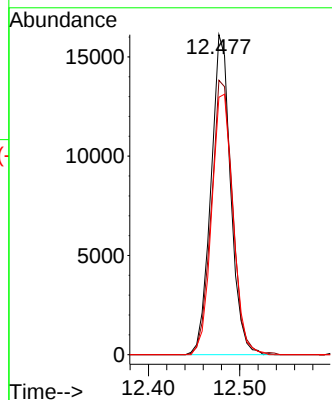
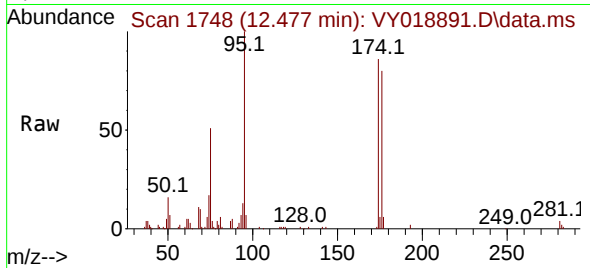




#62
4-Bromofluorobenzene
Concen: 42.048 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018891.D
Acq: 22 Jul 2024 15:20

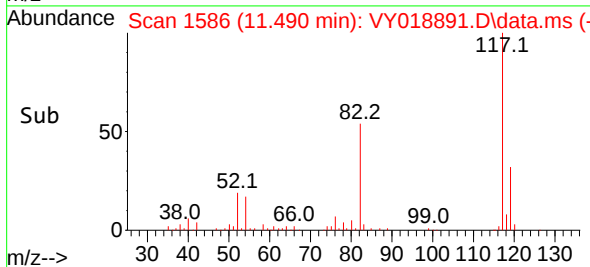
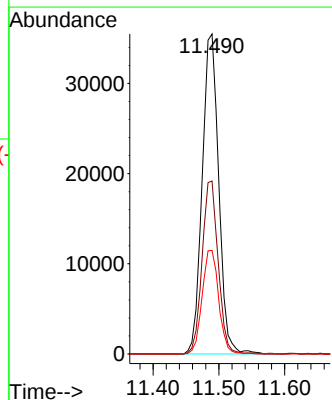
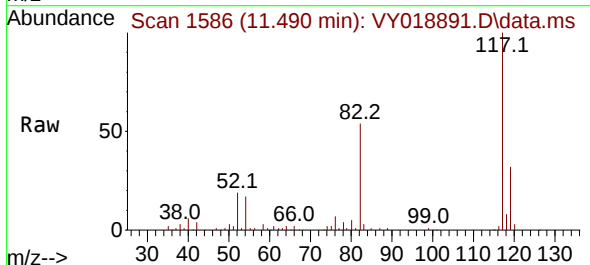
Instrument :
MSVOA_Y
ClientSampleId :

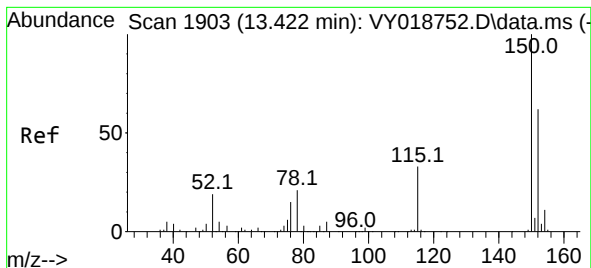
Tgt Ion:	95	Resp:	24151
Ion Ratio	Lower	Upper	
95	100		
174	93.0	0.0	175.6
176	88.3	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.006 min
Lab File: VY018891.D
Acq: 22 Jul 2024 15:20

Tgt Ion:	117	Resp:	62053
Ion Ratio	Lower	Upper	
117	100		
82	54.0	42.4	63.6
119	32.3	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018891.D

Acq: 22 Jul 2024 15:20

Instrument :

MSVOA_Y

ClientSampleId :

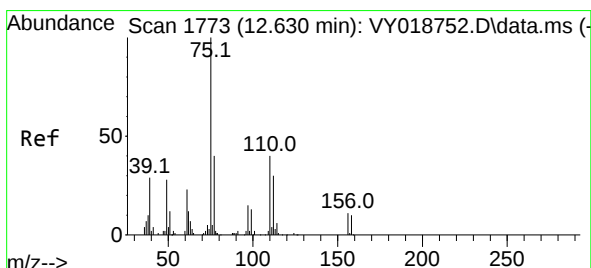
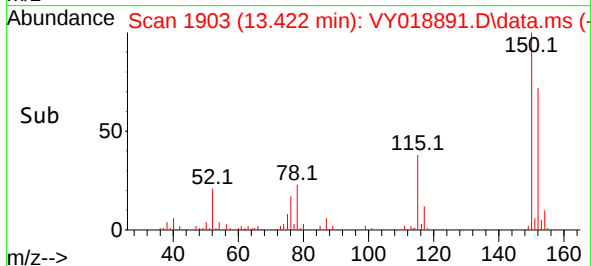
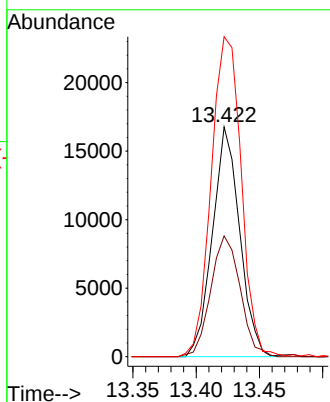
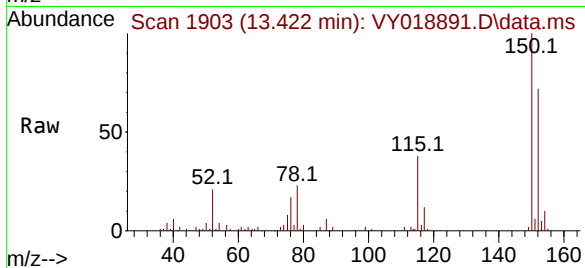
Tgt Ion:152 Resp: 25103

Ion Ratio Lower Upper

152 100

115 56.6 28.2 84.7

150 154.0 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 65.957 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY018891.D

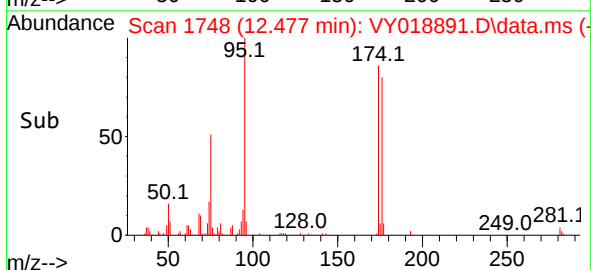
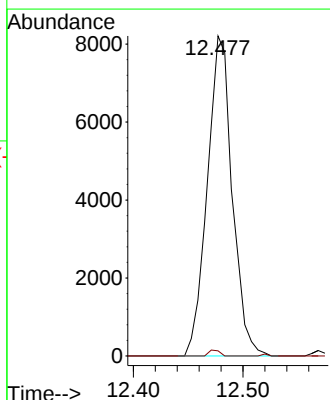
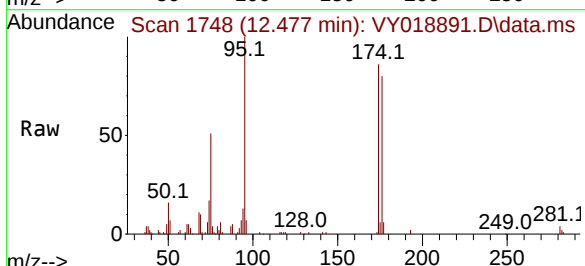
Acq: 22 Jul 2024 15:20

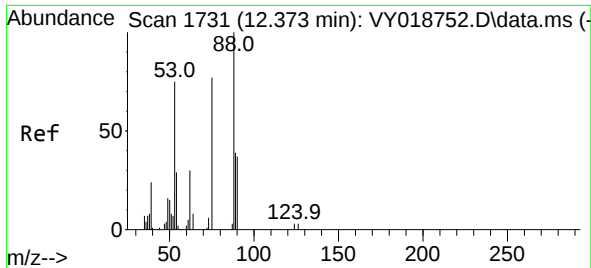
Tgt Ion: 75 Resp: 12968

Ion Ratio Lower Upper

75 100

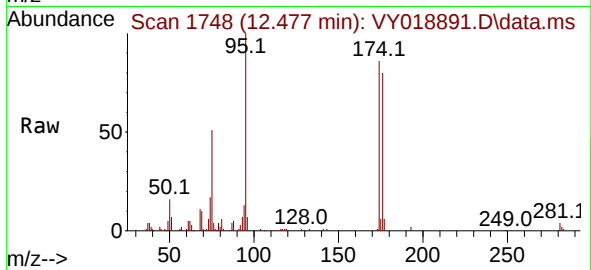
77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.617 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY018891.D
 Acq: 22 Jul 2024 15:20

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	12968
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	35.8	53.6#

