

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082824\
 Data File : VY019341.D
 Acq On : 28 Aug 2024 19:48
 Operator : SY/MD
 Sample : P3732-03
 Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 29 01:38:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	152024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	276739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	251288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	64270	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	85679	56.223	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.440%
35) Dibromofluoromethane	7.622	113	88190	48.738	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.480%
50) Toluene-d8	10.103	98	310455	47.676	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.360%
62) 4-Bromofluorobenzene	12.401	95	98410	44.332	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	88.660%

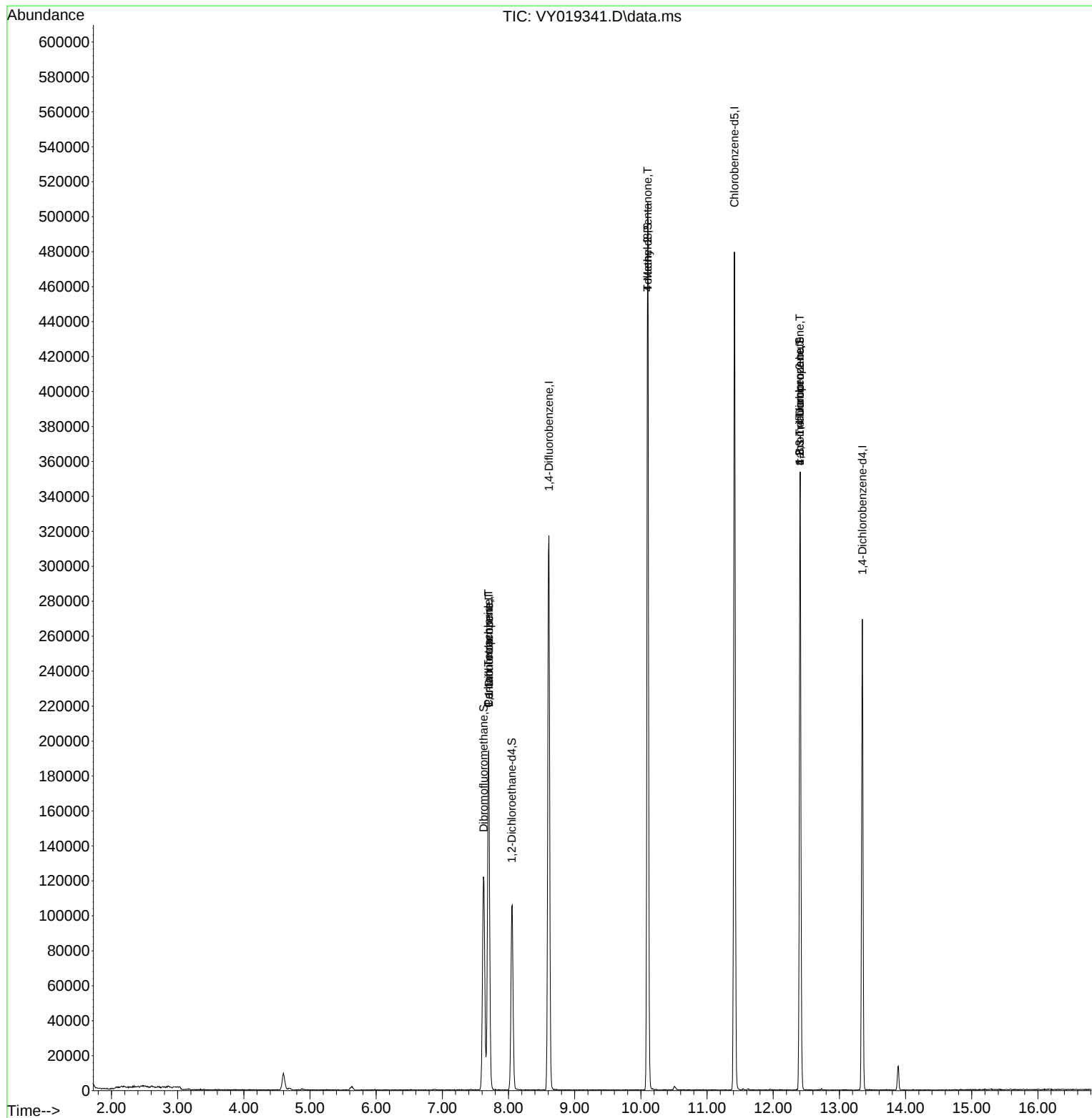
Target Compounds					Qvalue
5) Bromomethane	2.586	94	130	Below Cal	# 26
6) Chloroethane	2.934	64	52	Below Cal	# 42
11) Tert butyl alcohol	4.824	59	57	Below Cal	# 88
20) Methylene Chloride	4.598	84	6689	Below Cal	# 94
31) Cyclohexane	7.689	56	3186	Below Cal	# 50
36) 1,1-Dichloropropene	7.701	75	11546	4.647	ug/l # 49
38) Carbon Tetrachloride	7.695	117	15284	5.308	ug/l # 17
51) 4-Methyl-2-Pentanone	10.103	43	1313	1.111	ug/l # 1
76) 1,2,3-Trichloropropane	12.401	75	53753	84.808	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.401	75	53753	209.448	ug/l # 16

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

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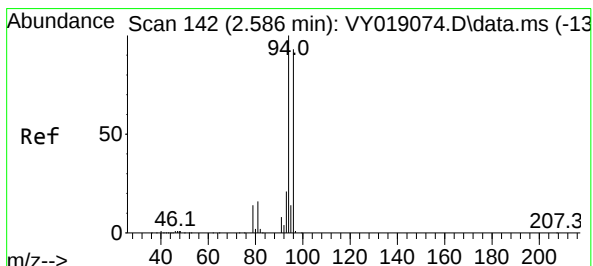
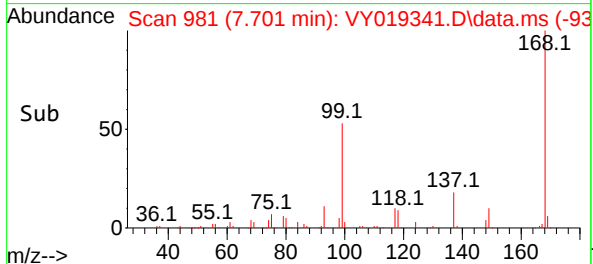
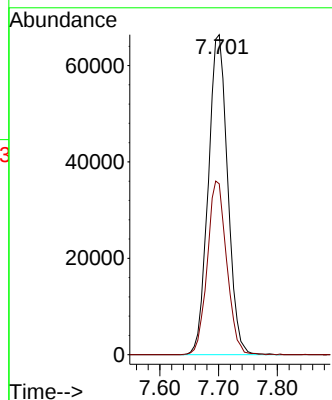
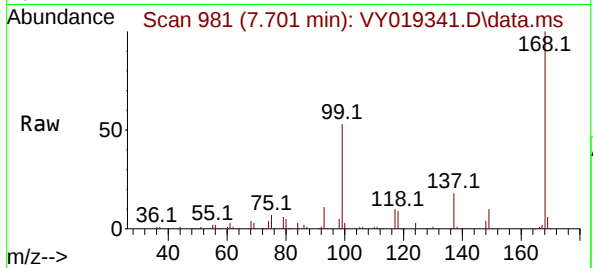




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019341.D
Acq: 28 Aug 2024 19:48

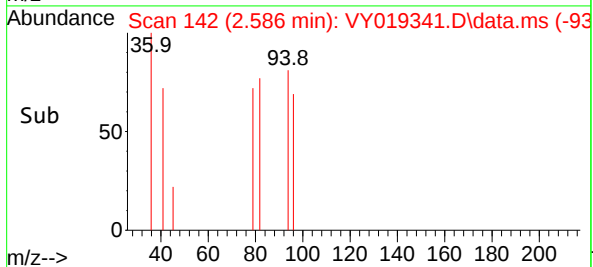
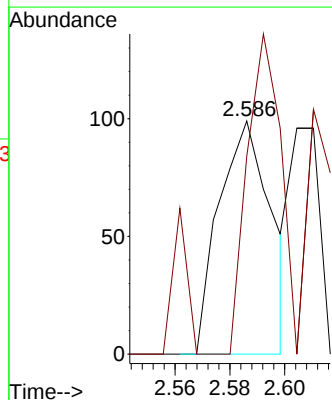
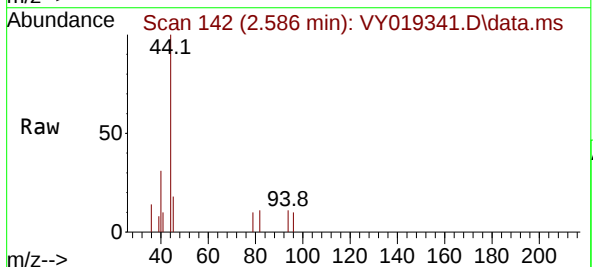
Instrument :
MSVOA_Y
ClientSampleId :

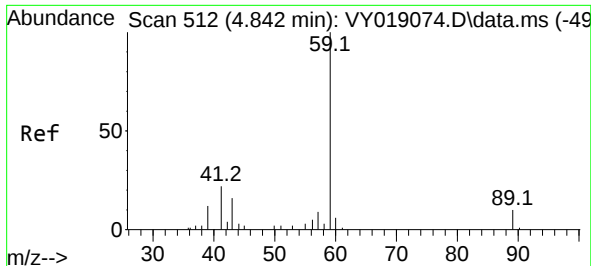
Tgt Ion:168 Resp: 152024
Ion Ratio Lower Upper
168 100
99 53.4 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.586 min Scan# 142
Delta R.T. 0.000 min
Lab File: VY019341.D
Acq: 28 Aug 2024 19:48

Tgt Ion: 94 Resp: 130
Ion Ratio Lower Upper
94 100
96 22.2 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.824 min Scan# 50

Delta R.T. -0.018 min

Lab File: VY019341.D

Acq: 28 Aug 2024 19:48

Instrument :

MSVOA_Y

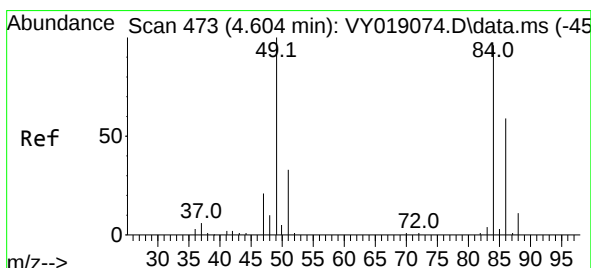
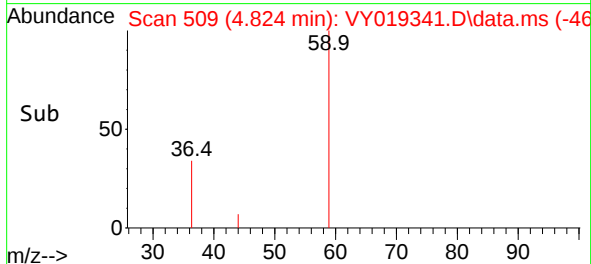
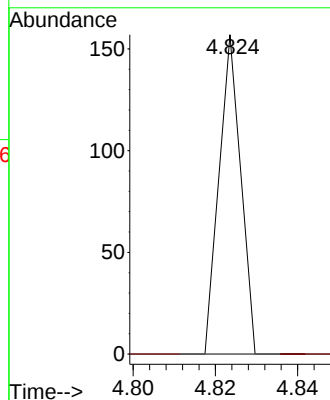
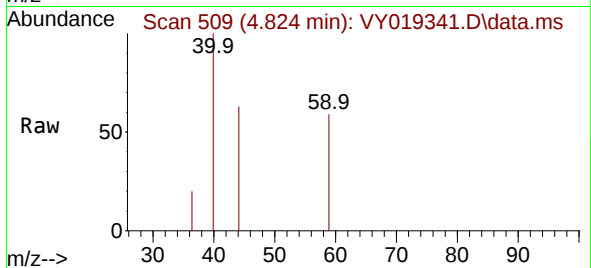
ClientSampleId :

Tgt Ion: 59 Resp: 57

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.598 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY019341.D

Acq: 28 Aug 2024 19:48

Tgt Ion: 84 Resp: 6689

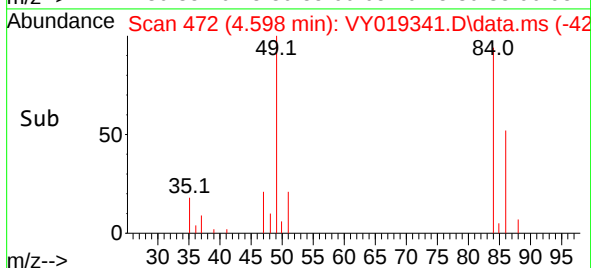
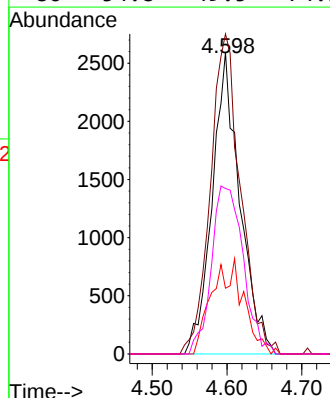
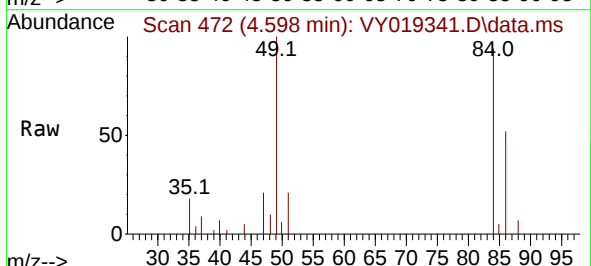
Ion Ratio Lower Upper

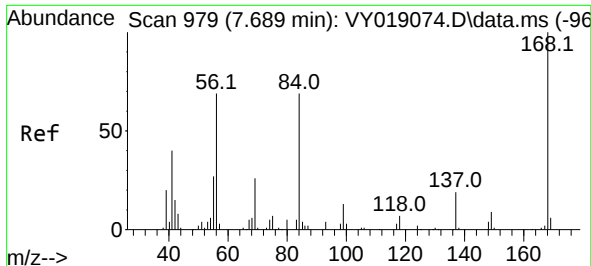
84 100

49 106.1 84.4 126.6

51 21.8 26.0 39.0#

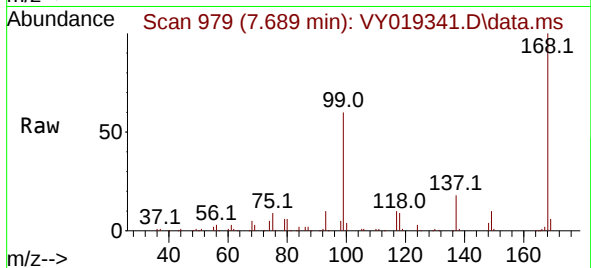
86 54.8 49.5 74.3



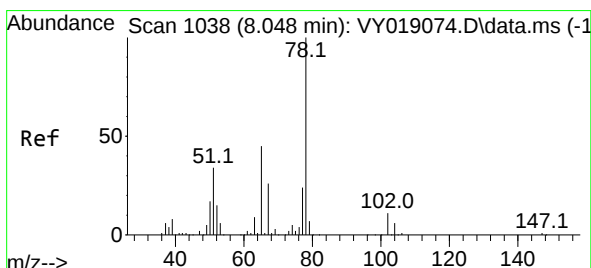
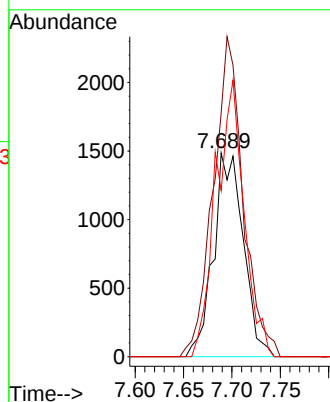
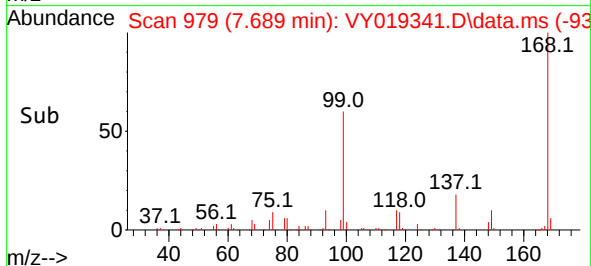


#31
Cyclohexane
Concen: Below Cal
RT: 7.689 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019341.D
Acq: 28 Aug 2024 19:48

Instrument :
MSVOA_Y
ClientSampleId :

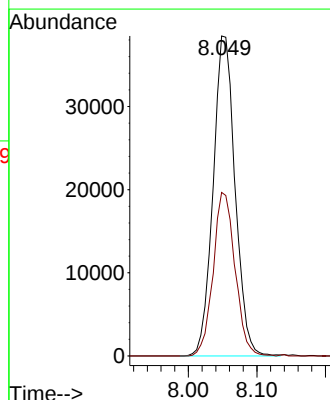
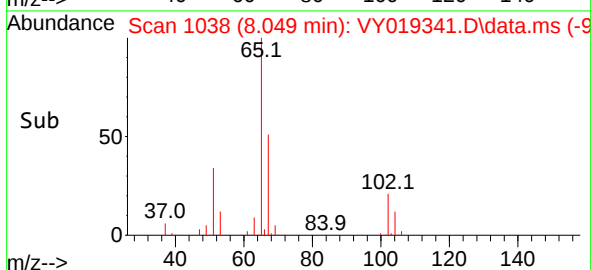
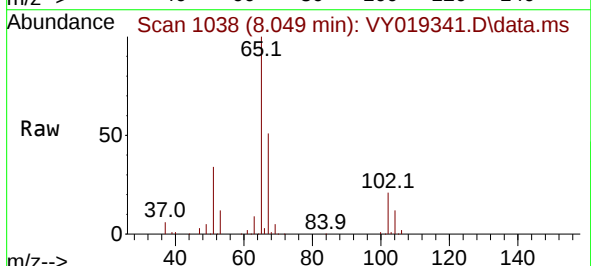


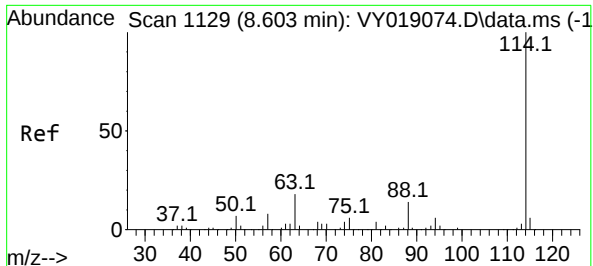
Tgt Ion: 56 Resp: 3186
Ion Ratio Lower Upper
56 100
69 119.6 28.7 43.1#
84 81.6 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 56.223 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY019341.D
Acq: 28 Aug 2024 19:48

Tgt Ion: 65 Resp: 85679
Ion Ratio Lower Upper
65 100
67 50.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019341.D

Acq: 28 Aug 2024 19:48

Instrument :

MSVOA_Y

ClientSampleId :

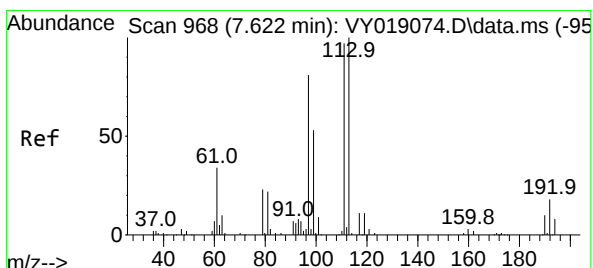
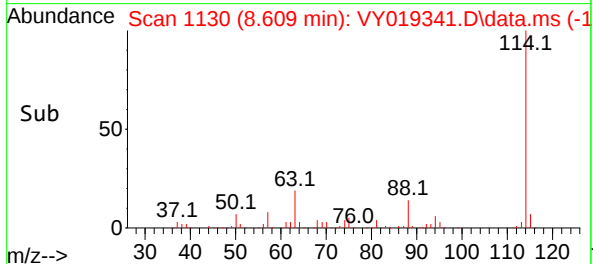
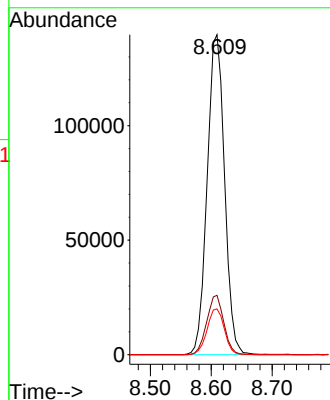
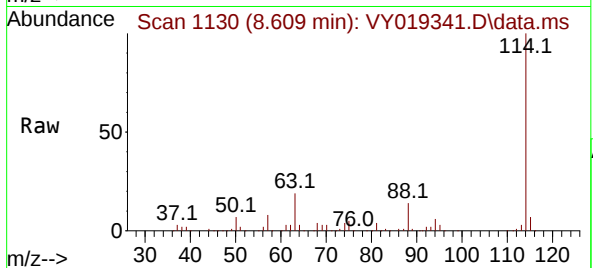
Tgt Ion:114 Resp: 276739

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.0

88 14.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.738 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019341.D

Acq: 28 Aug 2024 19:48

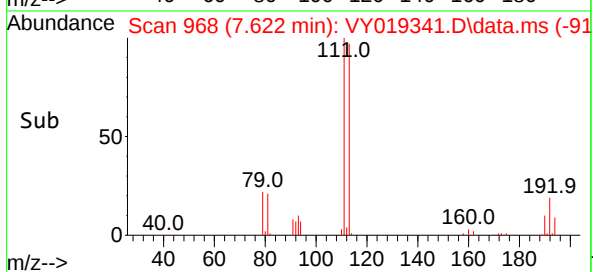
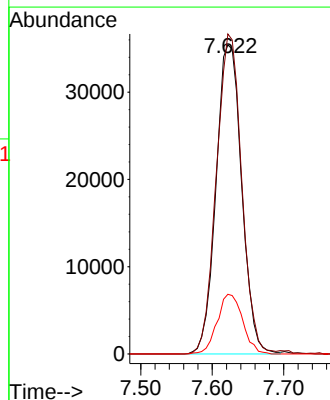
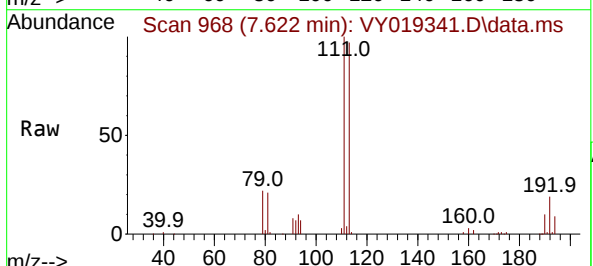
Tgt Ion:113 Resp: 88190

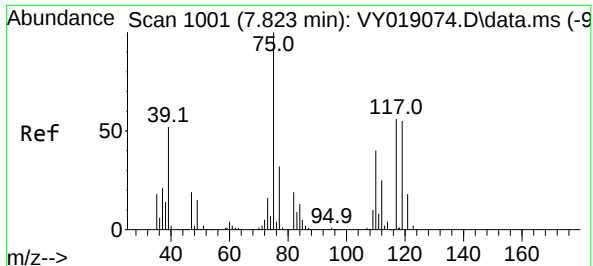
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

192 19.2 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.647 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY019341.D

Acq: 28 Aug 2024 19:48

Instrument :

MSVOA_Y

ClientSampleId :

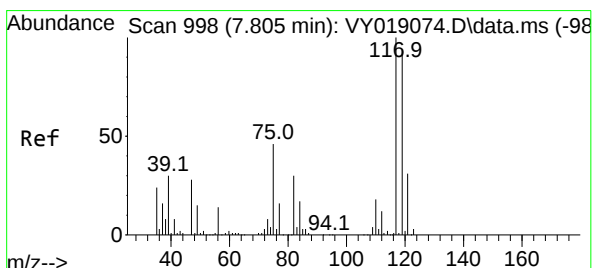
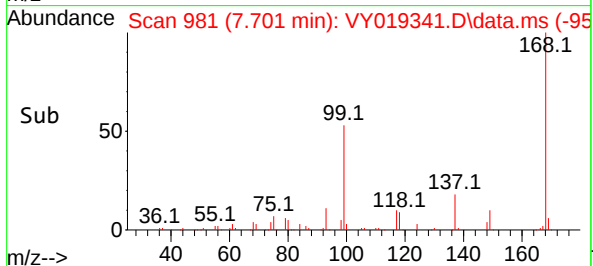
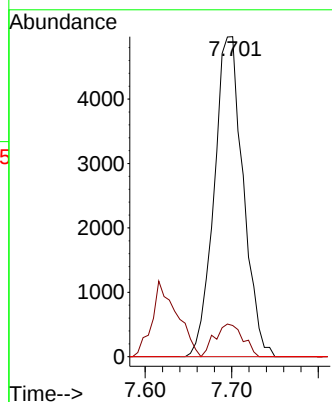
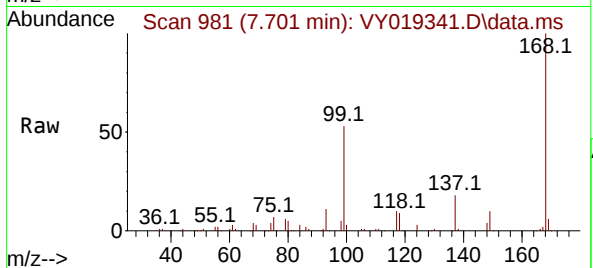
Tgt Ion: 75 Resp: 11546

Ion Ratio Lower Upper

75 100

110 9.9 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.308 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY019341.D

Acq: 28 Aug 2024 19:48

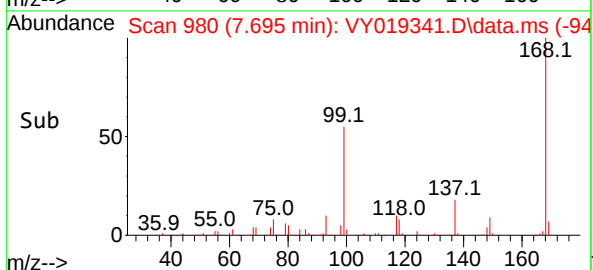
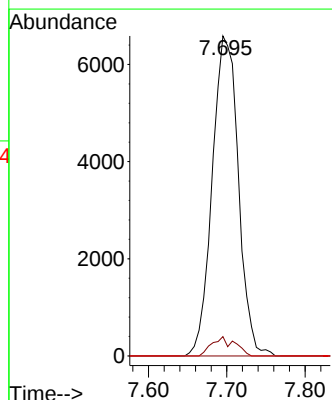
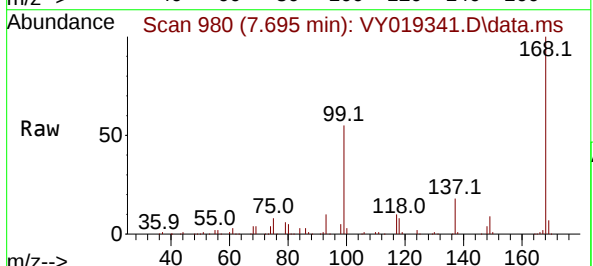
Tgt Ion: 117 Resp: 15284

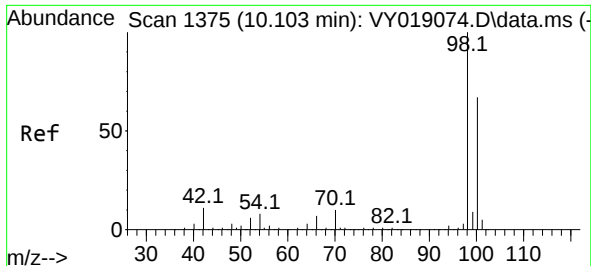
Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

121 0.0 24.0 36.0#

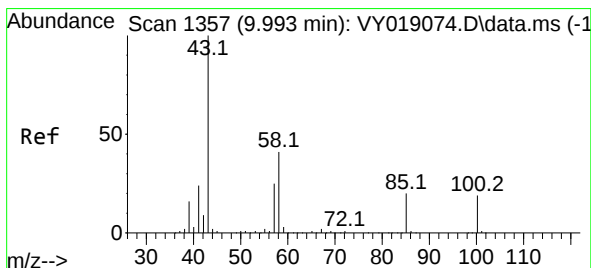
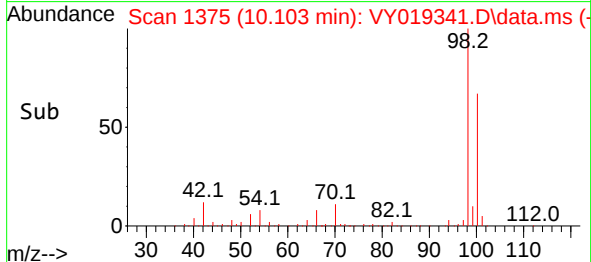
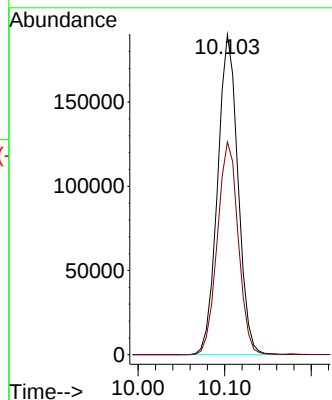
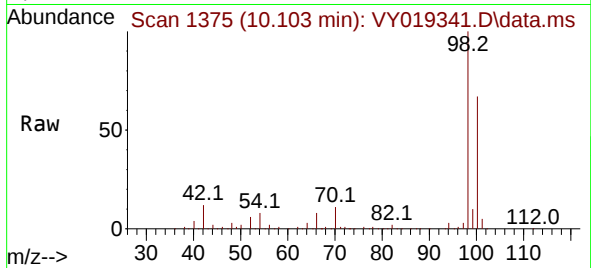




#50
Toluene-d8
Concen: 47.676 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019341.D
Acq: 28 Aug 2024 19:48

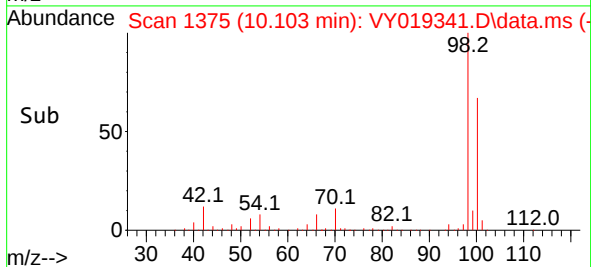
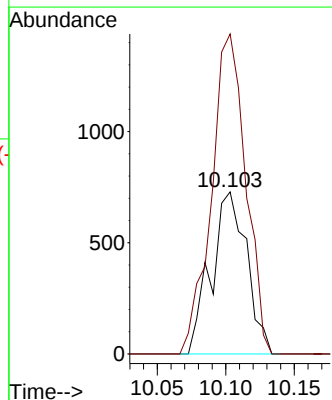
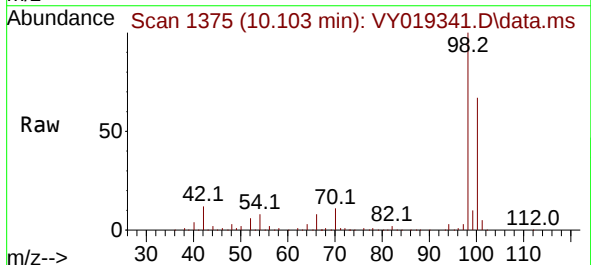
Instrument :
MSVOA_Y
ClientSampleId :

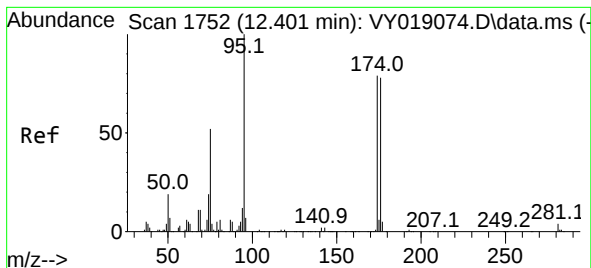
Tgt Ion: 98 Resp: 310455
Ion Ratio Lower Upper
98 100
100 68.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.111 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY019341.D
Acq: 28 Aug 2024 19:48

Tgt Ion: 43 Resp: 1313
Ion Ratio Lower Upper
43 100
58 191.5 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 44.332 ug/l

RT: 12.401 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019341.D

Acq: 28 Aug 2024 19:48

Instrument :

MSVOA_Y

ClientSampleId :

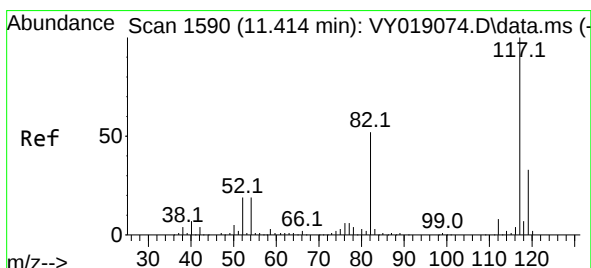
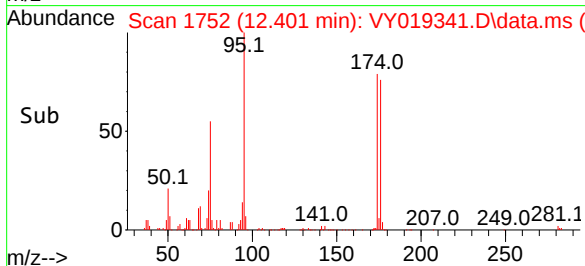
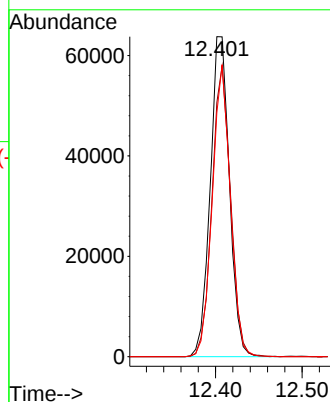
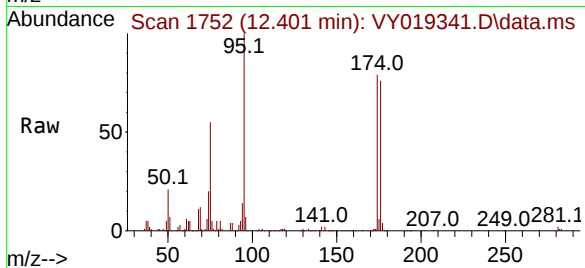
Tgt Ion: 95 Resp: 98410

Ion Ratio Lower Upper

95 100

174 87.7 0.0 175.6

176 85.9 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY019341.D

Acq: 28 Aug 2024 19:48

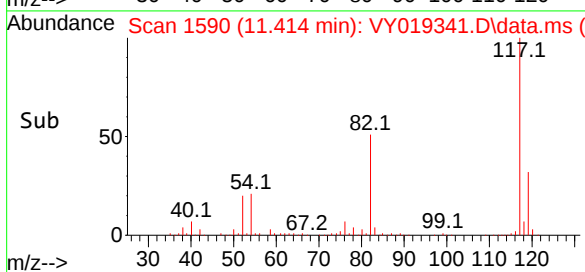
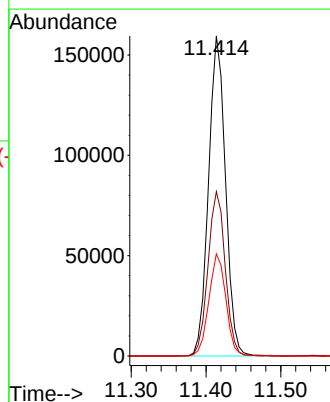
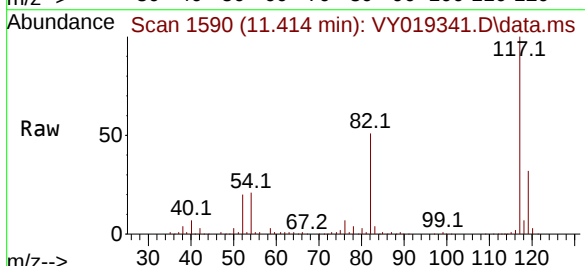
Tgt Ion: 117 Resp: 251288

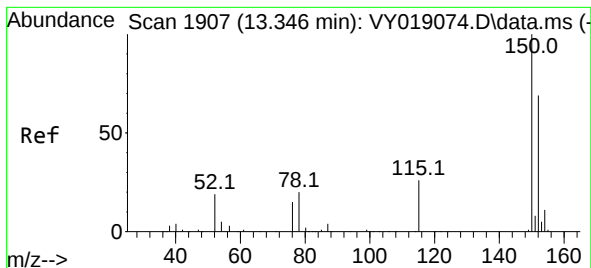
Ion Ratio Lower Upper

117 100

82 51.4 42.4 63.6

119 31.9 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019341.D

Acq: 28 Aug 2024 19:48

Instrument :

MSVOA_Y

ClientSampleId :

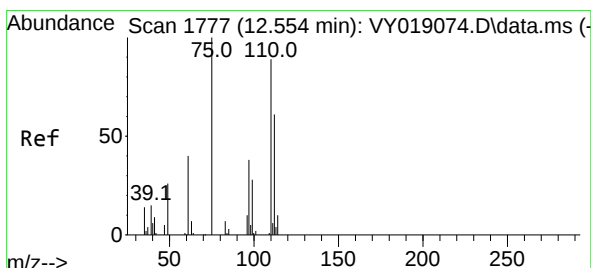
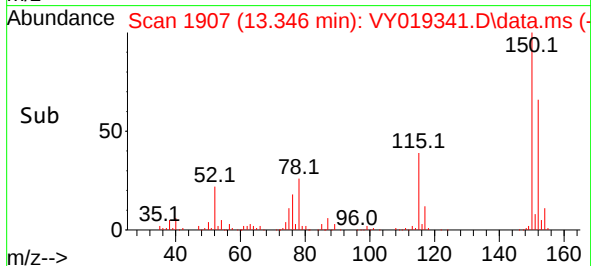
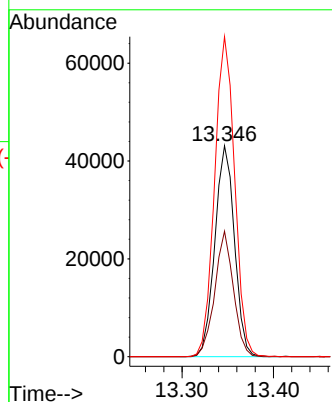
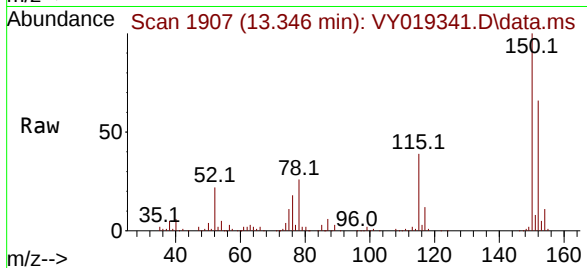
Tgt Ion:152 Resp: 64270

Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.7

150 155.3 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 84.808 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY019341.D

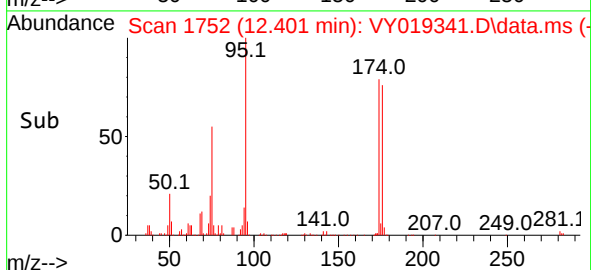
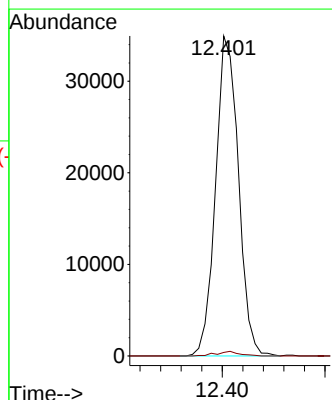
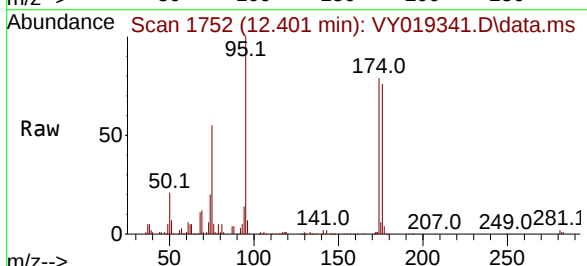
Acq: 28 Aug 2024 19:48

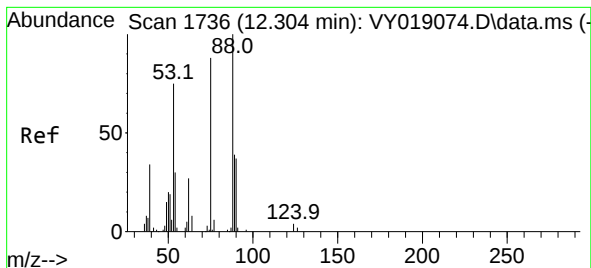
Tgt Ion: 75 Resp: 53753

Ion Ratio Lower Upper

75 100

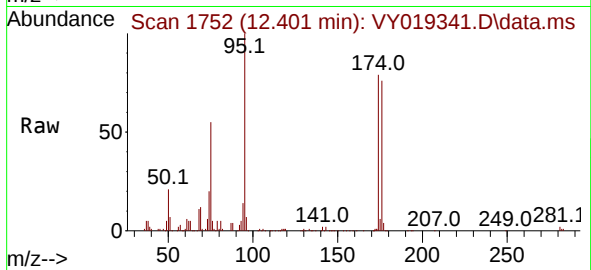
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 209.448 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019341.D
 Acq: 28 Aug 2024 19:48

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	66.8	100.2#
89	0.0	35.8	53.6#

