

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082224\
 Data File : VY019230.D
 Acq On : 22 Aug 2024 19:10
 Operator : SY/MD
 Sample : P3671-14
 Misc : 4.18g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 23 01:56:58 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)

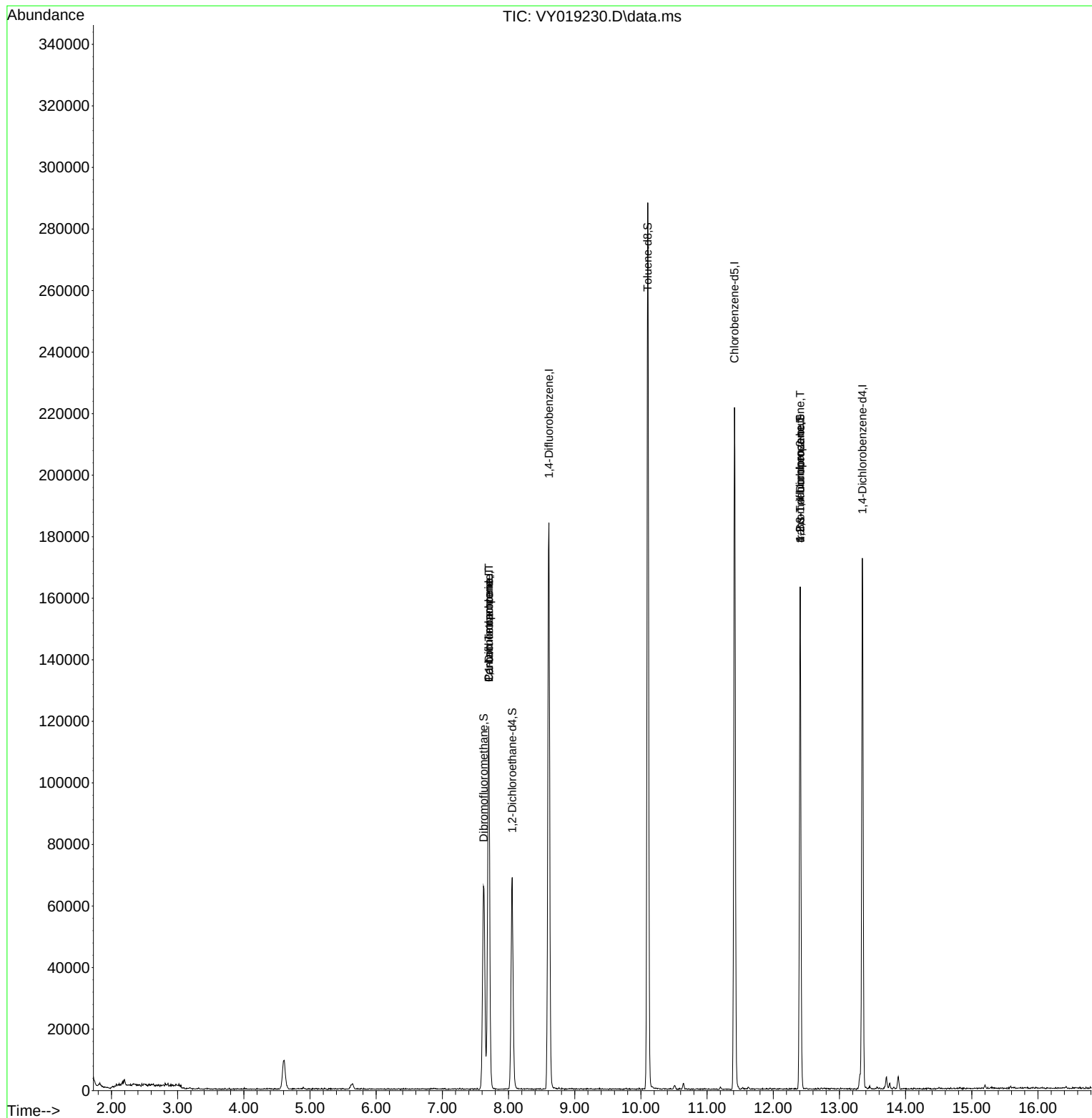
Internal Standards						
1) Pentafluorobenzene	7.701	168	88575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	159662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	125272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	42316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	53101	59.805	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.620%	
35) Dibromofluoromethane	7.622	113	48185	46.156	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.320%	
50) Toluene-d8	10.103	98	182340	48.535	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.080%	
62) 4-Bromofluorobenzene	12.408	95	47141	36.808	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 73.620%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.604	94	134	Below Cal	#	3
6) Chloroethane	2.739	64	61	Below Cal	#	42
11) Tert butyl alcohol	4.836	59	88	Below Cal	#	88
13) Acrolein	3.415	56	22	Below Cal	#	15
20) Methylene Chloride	4.610	84	7221	Below Cal	#	84
31) Cyclohexane	7.695	56	1863	Below Cal	#	7
36) 1,1-Dichloropropene	7.701	75	6677	4.658	ug/l #	48
38) Carbon Tetrachloride	7.701	117	9227	5.554	ug/l #	15
76) 1,2,3-Trichloropropane	12.408	75	26484	63.463	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	26484	156.733	ug/l #	16

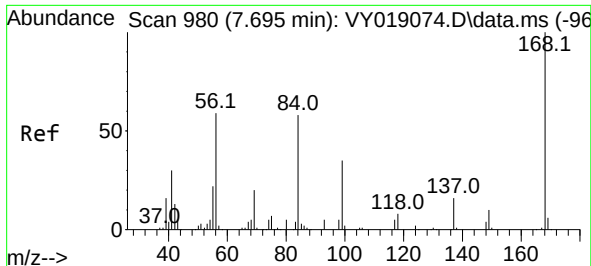
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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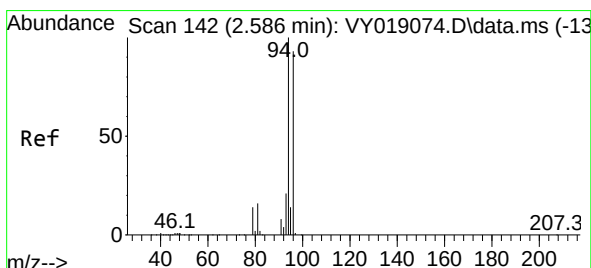
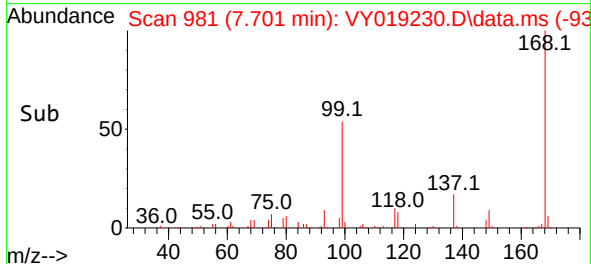
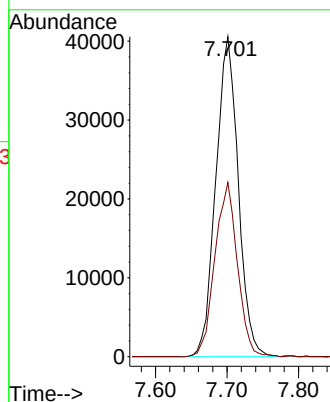
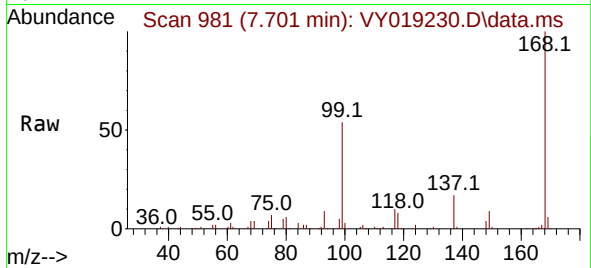




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019230.D
Acq: 22 Aug 2024 19:10

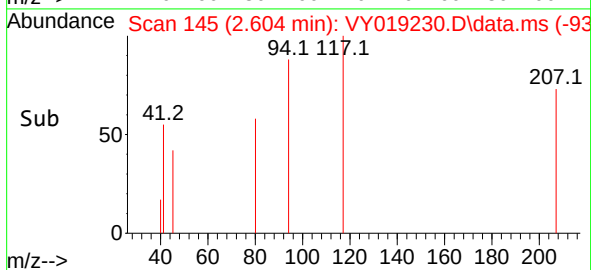
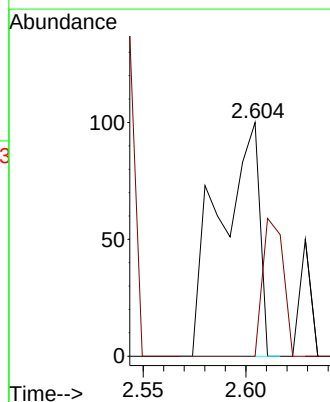
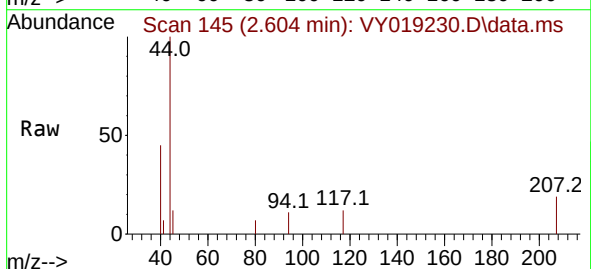
Instrument :
MSVOA_Y
ClientSampleId :

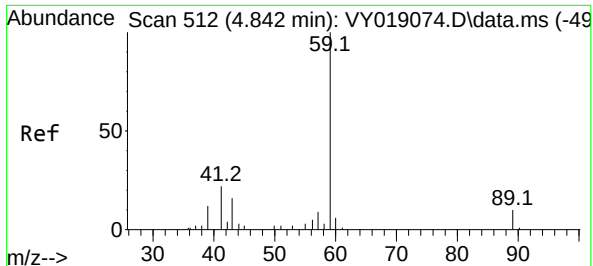
Tgt Ion:168 Resp: 88575
Ion Ratio Lower Upper
168 100
99 54.5 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.604 min Scan# 145
Delta R.T. 0.018 min
Lab File: VY019230.D
Acq: 22 Aug 2024 19:10

Tgt Ion: 94 Resp: 134
Ion Ratio Lower Upper
94 100
96 0.0 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.836 min Scan# 511

Delta R.T. -0.006 min

Lab File: VY019230.D

Acq: 22 Aug 2024 19:10

Instrument :

MSVOA_Y

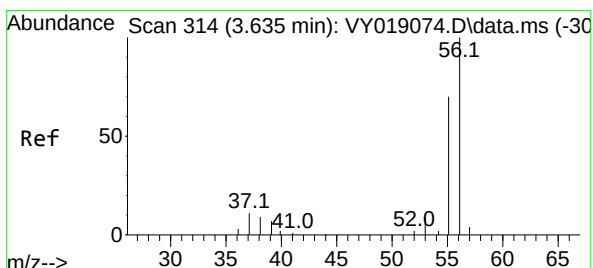
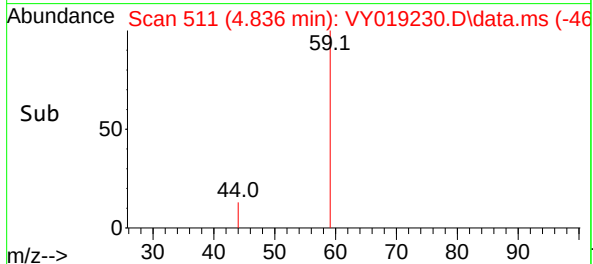
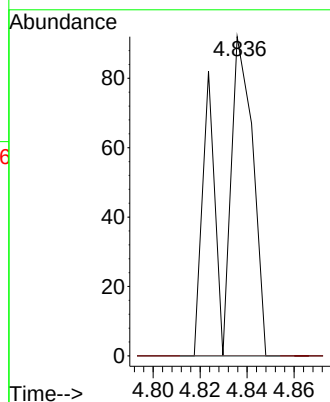
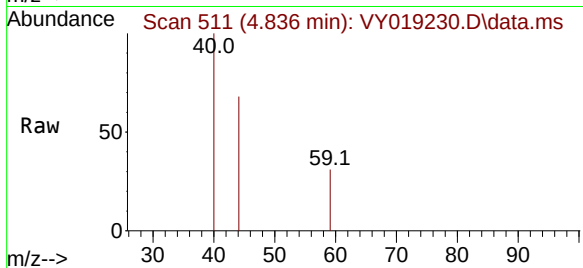
ClientSampleId :

Tgt Ion: 59 Resp: 88

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.415 min Scan# 278

Delta R.T. -0.220 min

Lab File: VY019230.D

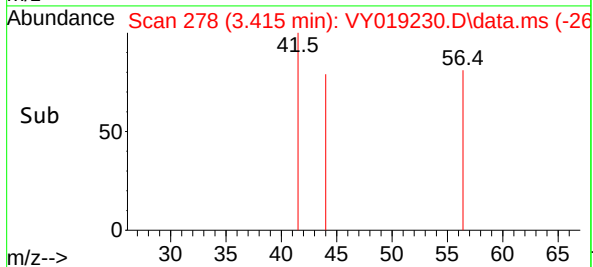
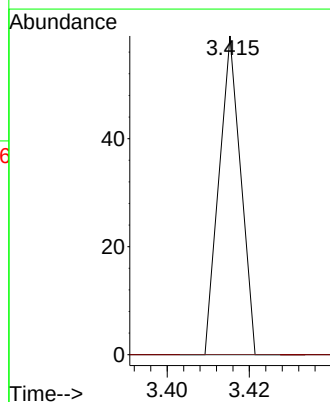
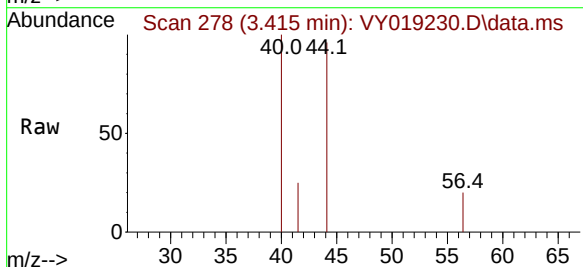
Acq: 22 Aug 2024 19:10

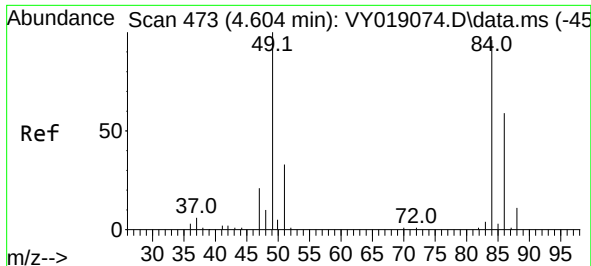
Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

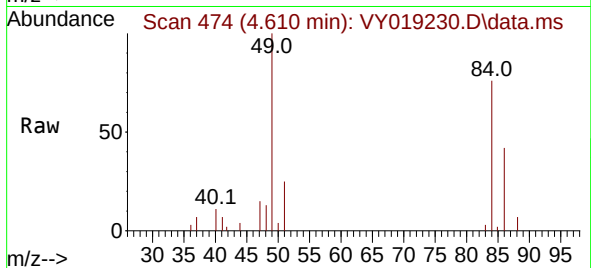
55 0.0 55.7 83.5#





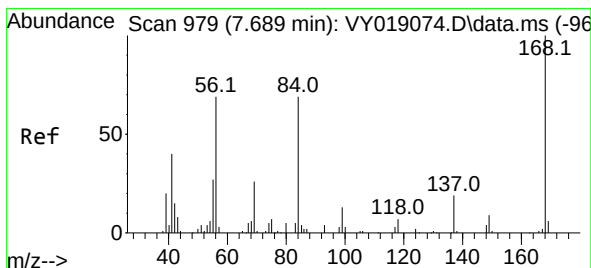
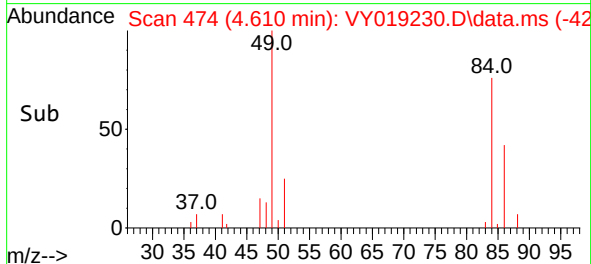
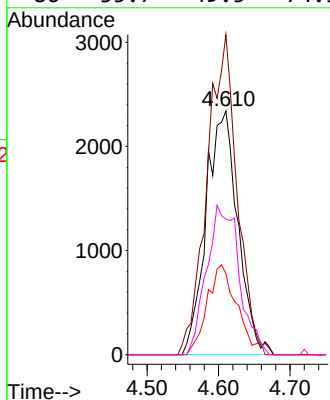
#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY019230.D
Acq: 22 Aug 2024 19:10

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 7221

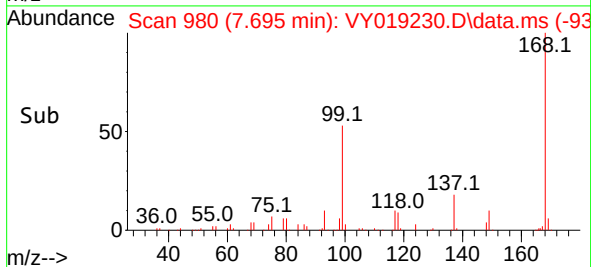
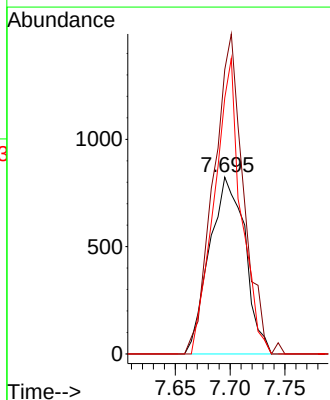
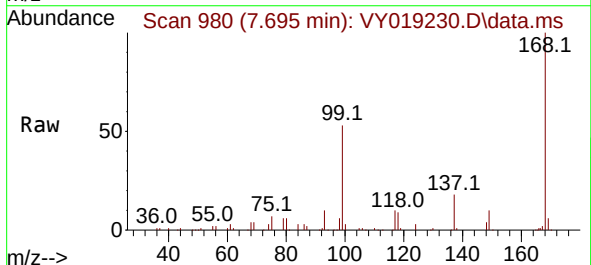
Ion	Ratio	Lower	Upper
84	100		
49	131.3	84.4	126.6#
51	33.2	26.0	39.0
86	55.7	49.5	74.3

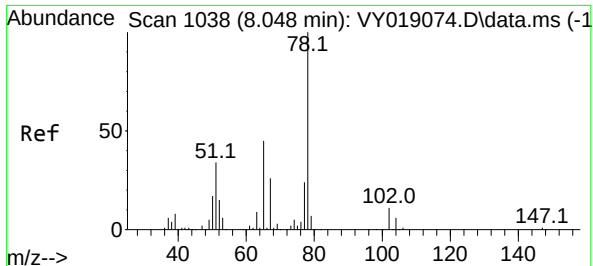


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY019230.D
Acq: 22 Aug 2024 19:10

Tgt Ion: 56 Resp: 1863

Ion	Ratio	Lower	Upper
56	100		
69	160.8	28.7	43.1#
84	144.8	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 59.805 ug/l

RT: 8.055 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY019230.D

Acq: 22 Aug 2024 19:10

Instrument :

MSVOA_Y

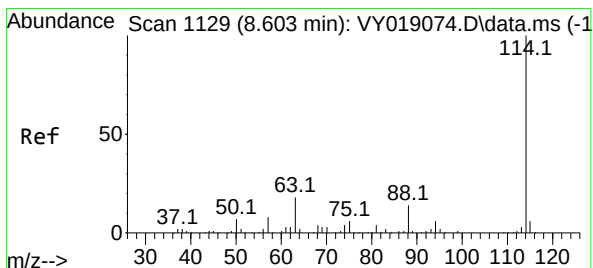
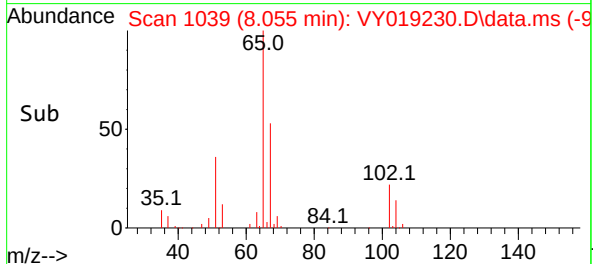
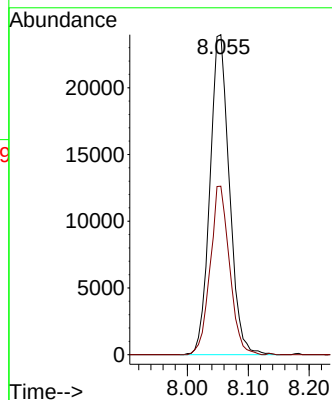
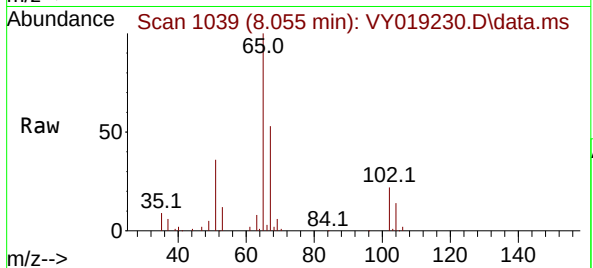
ClientSampleId :

Tgt Ion: 65 Resp: 53101

Ion Ratio Lower Upper

65 100

67 52.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019230.D

Acq: 22 Aug 2024 19:10

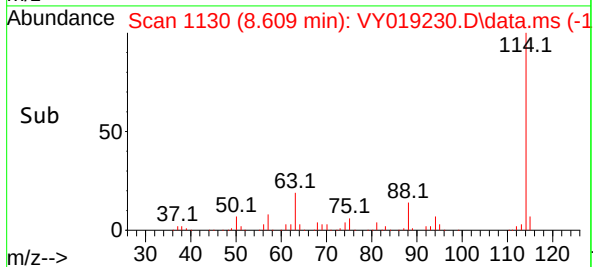
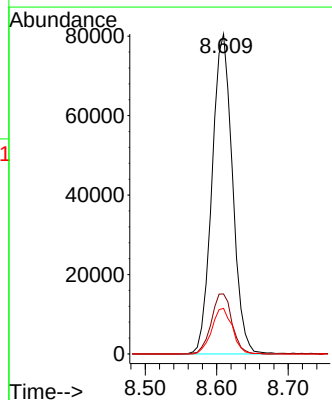
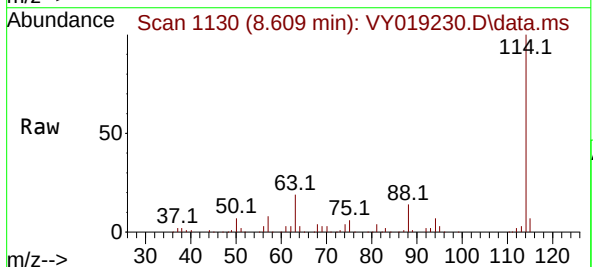
Tgt Ion:114 Resp: 159662

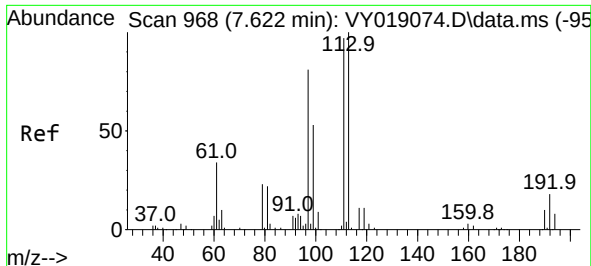
Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.0

88 14.3 0.0 27.2

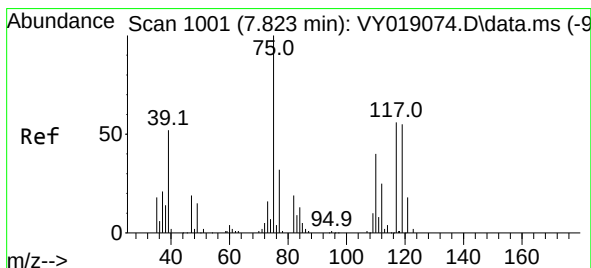
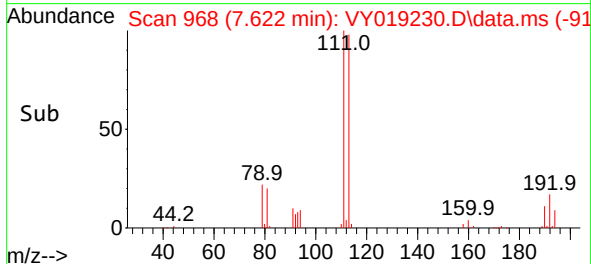
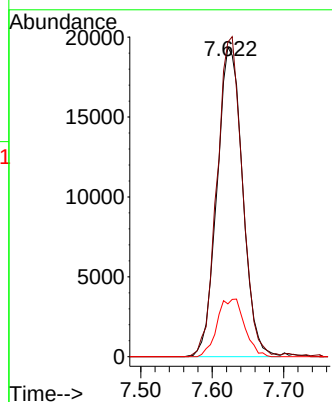
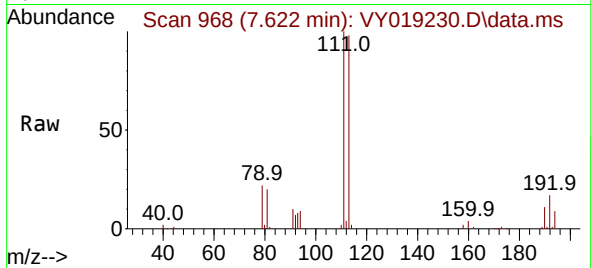




#35
Dibromofluoromethane
Concen: 46.156 ug/l
RT: 7.622 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY019230.D
Acq: 22 Aug 2024 19:10

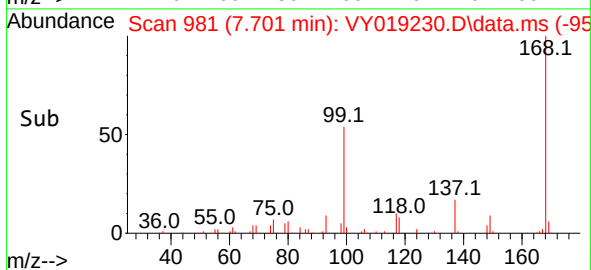
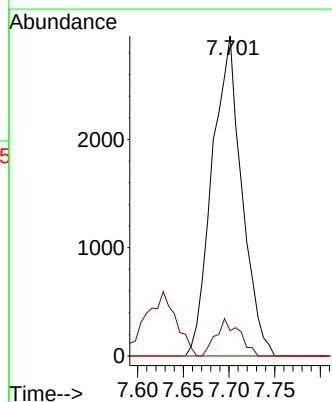
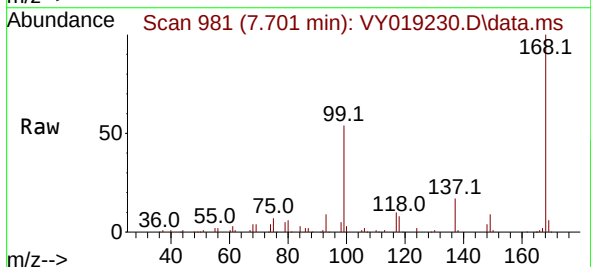
Instrument :
MSVOA_Y
ClientSampleId :

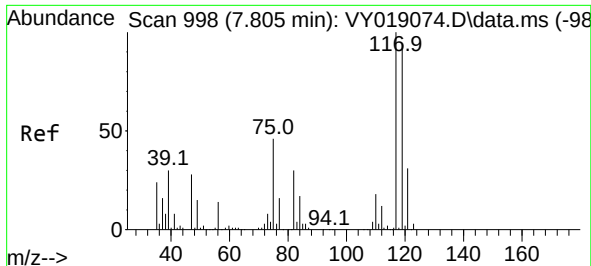
Tgt Ion:113 Resp: 48185
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 19.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.658 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY019230.D
Acq: 22 Aug 2024 19:10

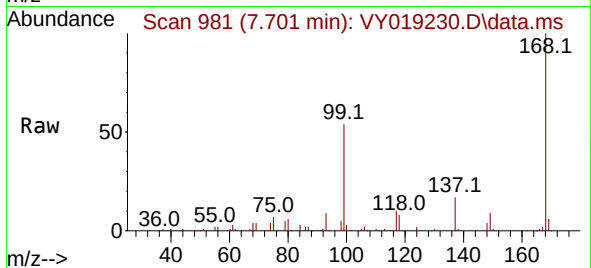
Tgt Ion: 75 Resp: 6677
Ion Ratio Lower Upper
75 100
110 9.2 19.0 57.0#
77 0.0 25.3 37.9#



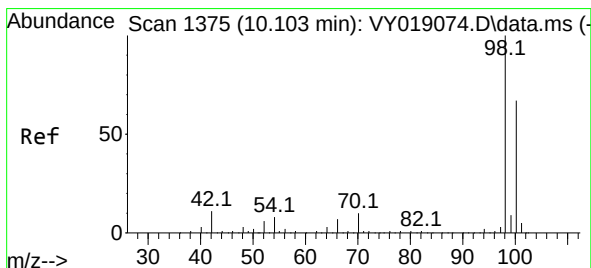
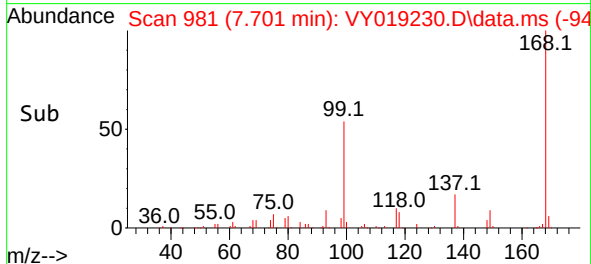
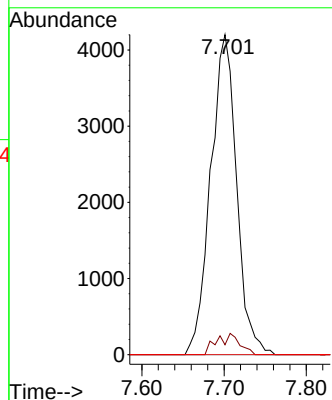


#38
Carbon Tetrachloride
Concen: 5.554 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019230.D
Acq: 22 Aug 2024 19:10

Instrument :
MSVOA_Y
ClientSampleId :

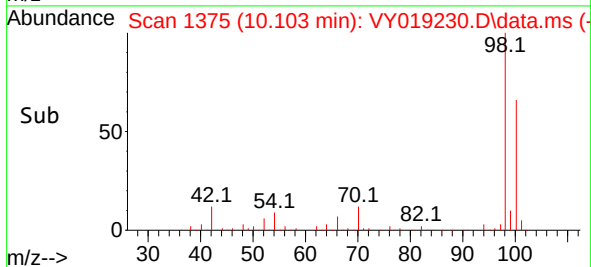
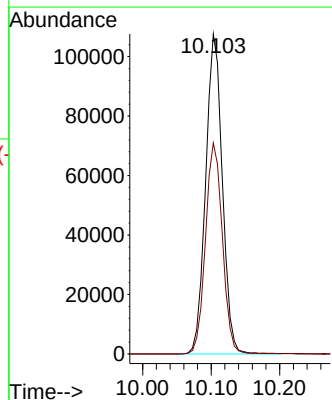
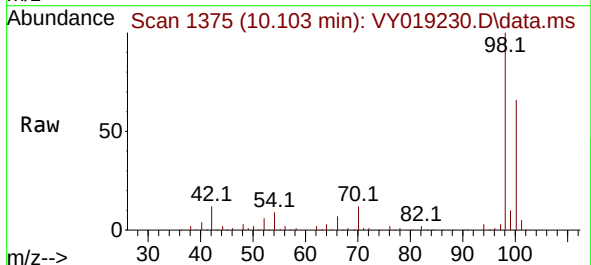


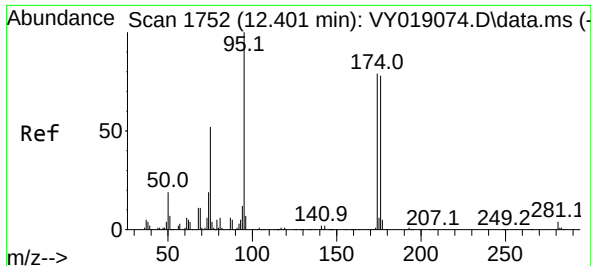
Tgt Ion:117 Resp: 9227
Ion Ratio Lower Upper
117 100
119 3.1 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.535 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019230.D
Acq: 22 Aug 2024 19:10

Tgt Ion: 98 Resp: 182340
Ion Ratio Lower Upper
98 100
100 66.7 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 36.808 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY019230.D

Acq: 22 Aug 2024 19:10

Instrument :

MSVOA_Y

ClientSampleId :

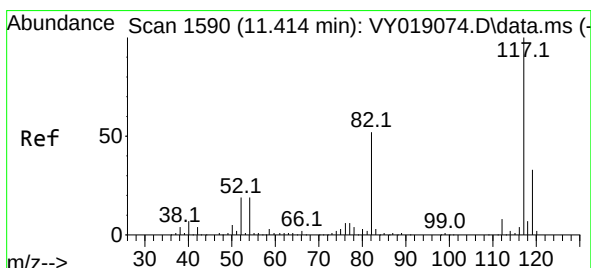
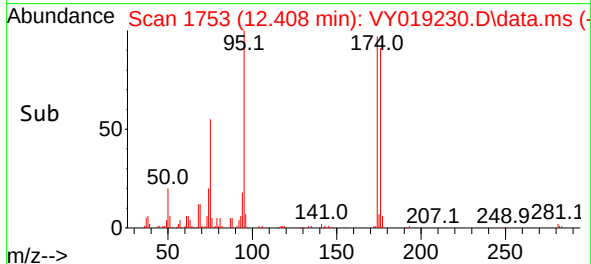
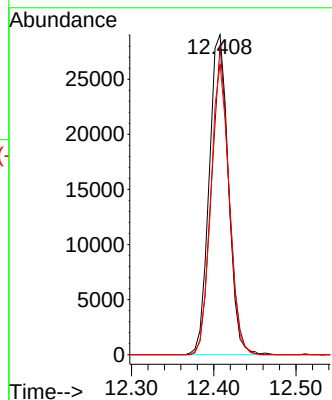
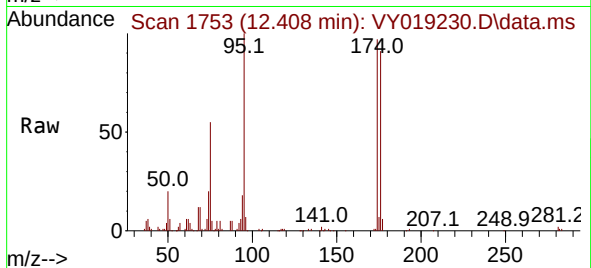
Tgt Ion: 95 Resp: 47141

Ion Ratio Lower Upper

95 100

174 88.0 0.0 175.6

176 86.9 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: VY019230.D

Acq: 22 Aug 2024 19:10

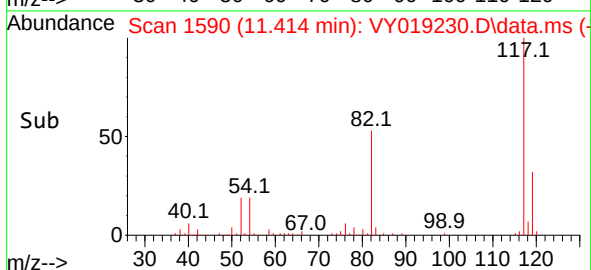
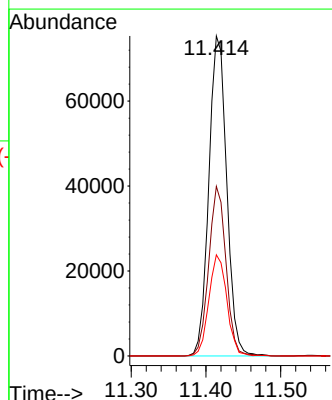
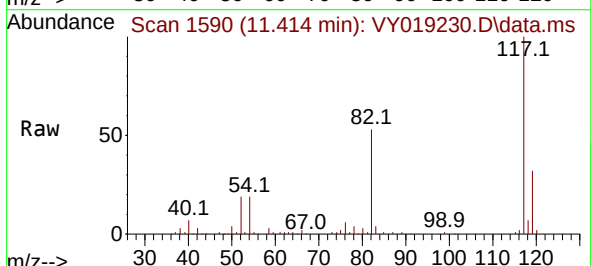
Tgt Ion: 117 Resp: 125272

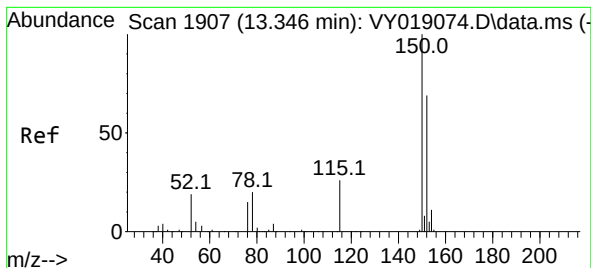
Ion Ratio Lower Upper

117 100

82 53.0 42.4 63.6

119 31.6 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: VY019230.D

Acq: 22 Aug 2024 19:10

Instrument :

MSVOA_Y

ClientSampleId :

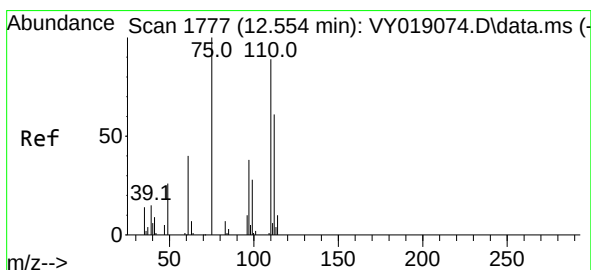
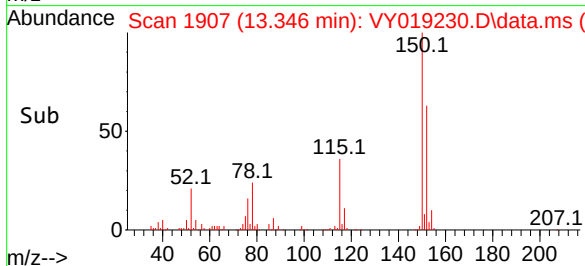
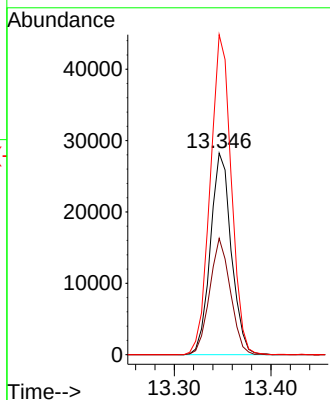
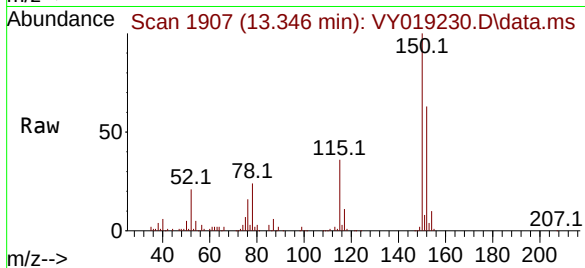
Tgt Ion:152 Resp: 42316

Ion Ratio Lower Upper

152 100

115 57.1 28.2 84.7

150 159.7 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 63.463 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019230.D

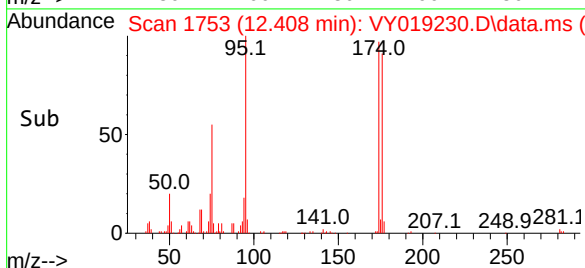
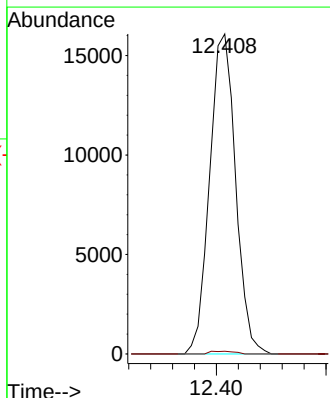
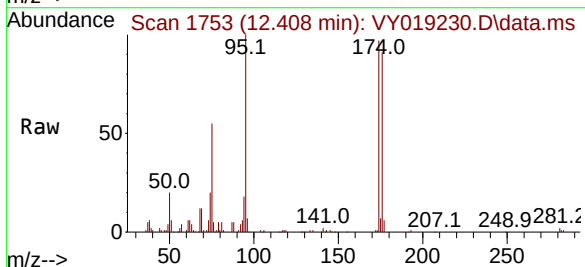
Acq: 22 Aug 2024 19:10

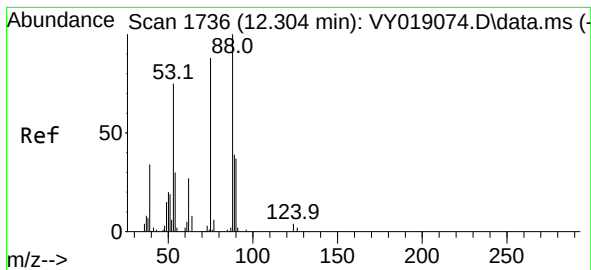
Tgt Ion: 75 Resp: 26484

Ion Ratio Lower Upper

75 100

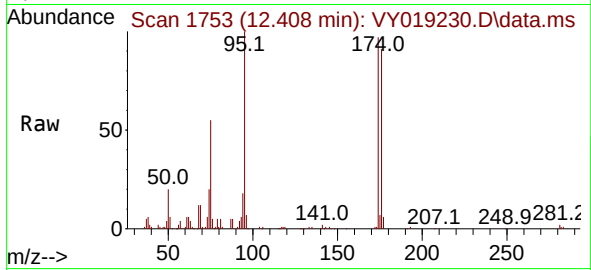
77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 156.733 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019230.D
 Acq: 22 Aug 2024 19:10

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	26484
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	35.8	53.6#

