

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081424\
 Data File : VY019060.D
 Acq On : 14 Aug 2024 15:50
 Operator : SY/MD
 Sample : P3580-08
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 14 21:47:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 09 04:24:33 2024
 Response via : Initial Calibration

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

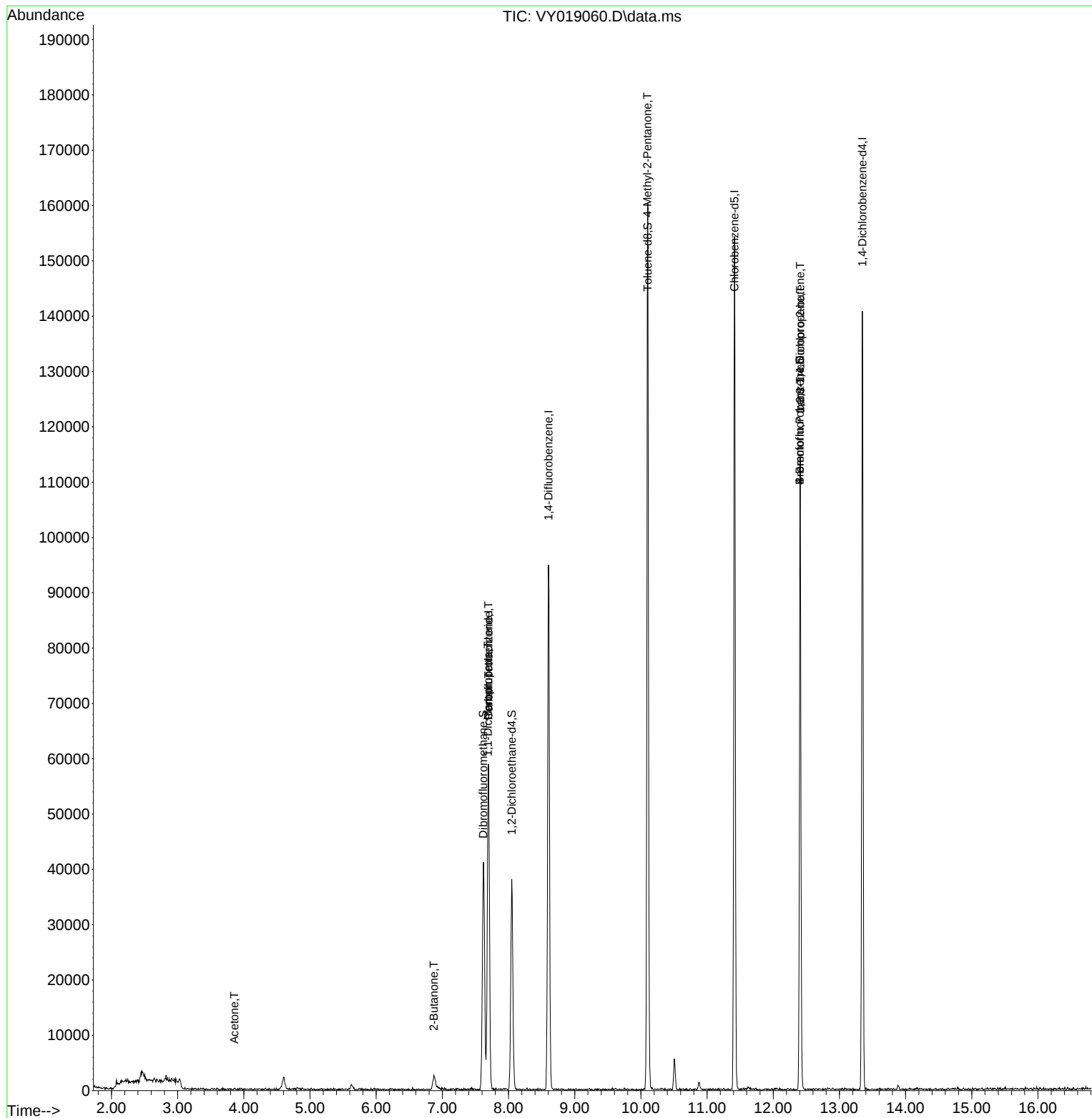
Internal Standards						
1) Pentafluorobenzene	7.695	168	46973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	80383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	75855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	30890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	23364	56.651	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.300%
35) Dibromofluoromethane	7.616	113	26015	50.672	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.340%
50) Toluene-d8	10.103	98	97479	49.432	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.860%
62) 4-Bromofluorobenzene	12.401	95	26172	44.735	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	89.460%
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	70	Below Cal	#	43
11) Tert butyl alcohol	4.824	59	273	Below Cal	#	88
13) Acrolein	3.446	56	21	Below Cal	#	15
16) Acetone	3.854	43	101	13.426	ug/l #	36
20) Methylene Chloride	4.604	84	1353	Below Cal	#	86
25) 2-Butanone	6.872	43	161	1.206	ug/l #	41
31) Cyclohexane	7.695	56	1434	Below Cal	#	77
36) 1,1-Dichloropropene	7.689	75	3521	5.109	ug/l #	48
38) Carbon Tetrachloride	7.695	117	4684	5.928	ug/l #	13
41) Methacrylonitrile	7.037	41	20	Below Cal	#	15
51) 4-Methyl-2-Pentanone	10.097	43	631	1.910	ug/l #	1
71) Bromoform	12.401	173	303	1.000	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	15358	66.737	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	15358	137.519	ug/l #	16

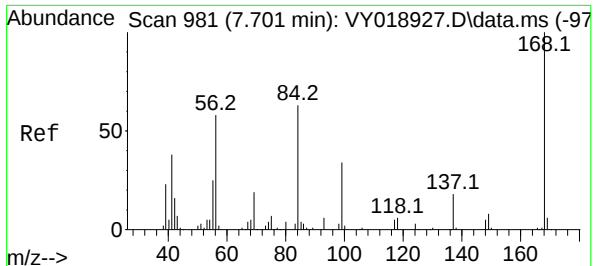
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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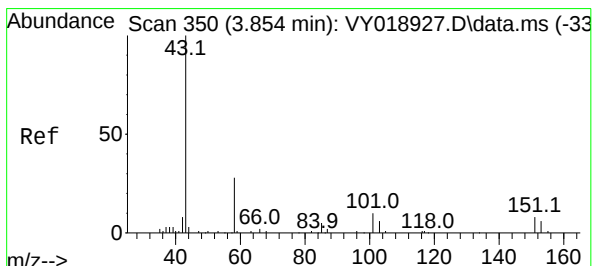
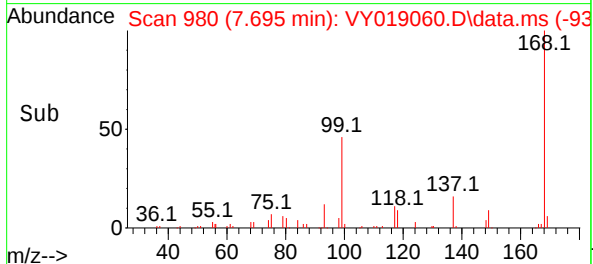
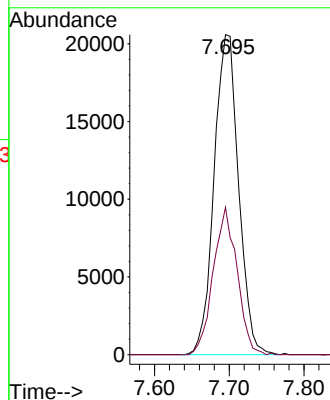
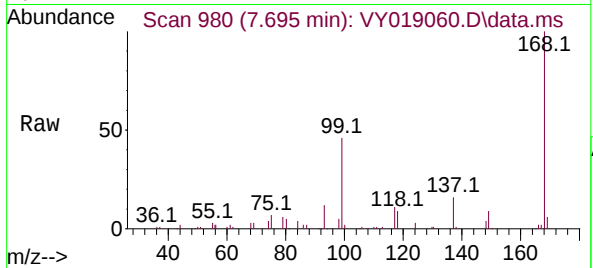




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019060.D
Acq: 14 Aug 2024 15:50

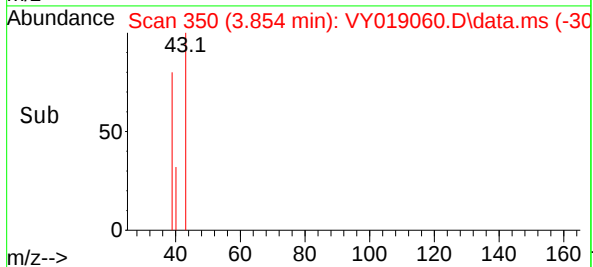
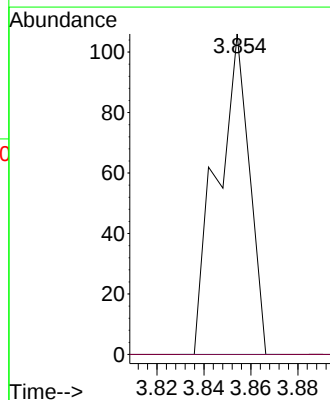
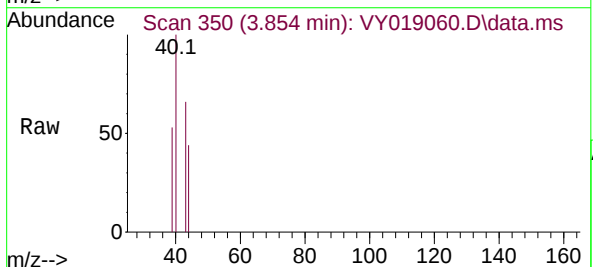
Instrument :
MSVOA_Y
ClientSampleId :

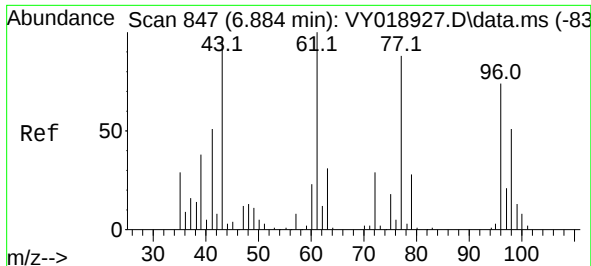
Tgt Ion:168 Resp: 46973
Ion Ratio Lower Upper
168 100
99 46.1 39.1 58.7



#16
Acetone
Concen: 13.426 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY019060.D
Acq: 14 Aug 2024 15:50

Tgt Ion: 43 Resp: 101
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#





#25

2-Butanone

Concen: 1.206 ug/l

RT: 6.872 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY019060.D

Acq: 14 Aug 2024 15:50

Instrument :

MSVOA_Y

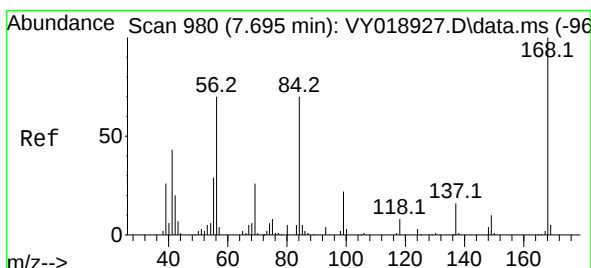
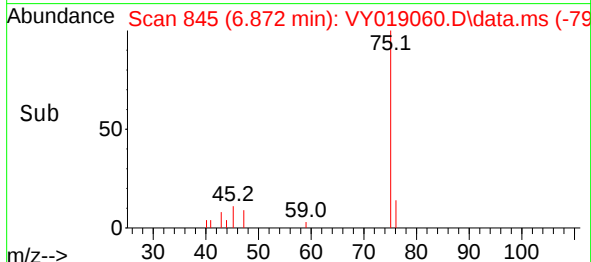
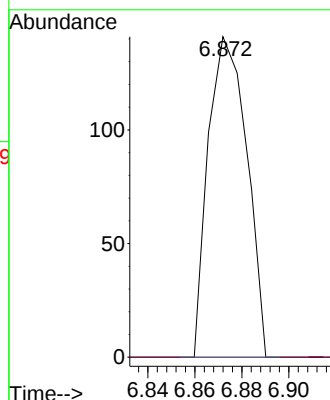
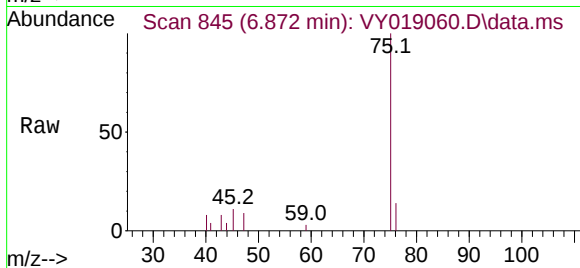
ClientSampleId :

Tgt Ion: 43 Resp: 161

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.695 min Scan# 980

Delta R.T. -0.000 min

Lab File: VY019060.D

Acq: 14 Aug 2024 15:50

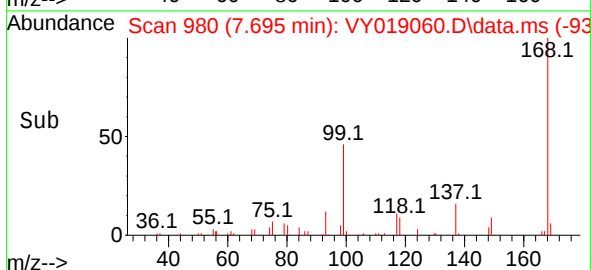
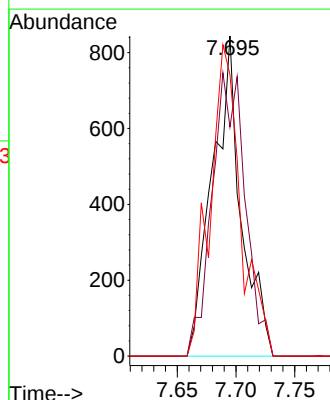
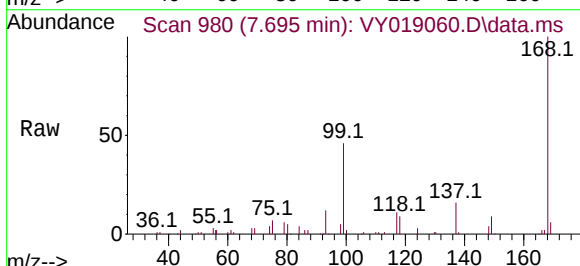
Tgt Ion: 56 Resp: 1434

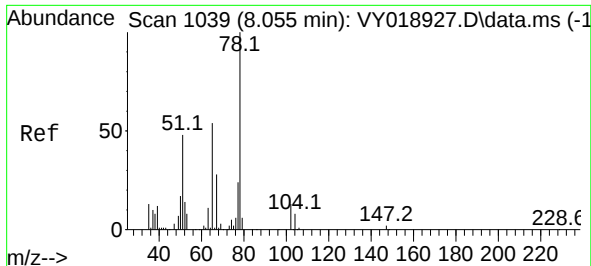
Ion Ratio Lower Upper

56 100

69 71.6 28.7 43.1#

84 87.9 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 56.651 ug/l

RT: 8.049 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VY019060.D

Acq: 14 Aug 2024 15:50

Instrument :

MSVOA_Y

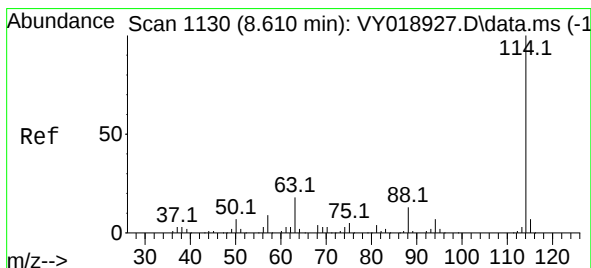
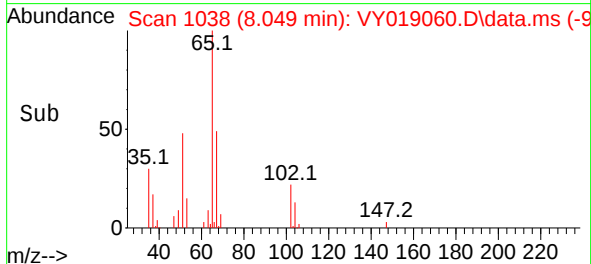
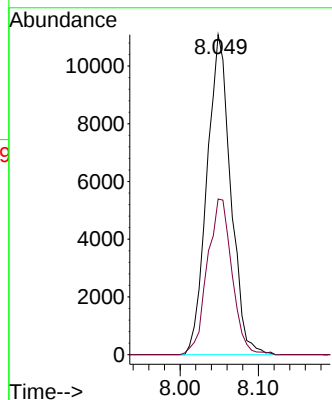
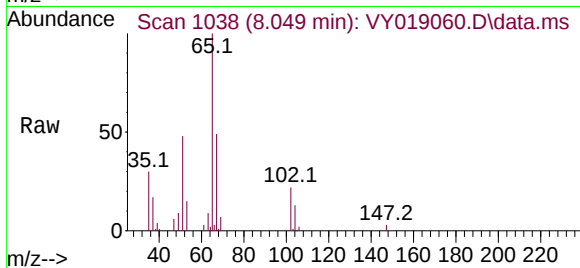
ClientSampleId :

Tgt Ion: 65 Resp: 23364

Ion Ratio Lower Upper

65 100

67 50.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY019060.D

Acq: 14 Aug 2024 15:50

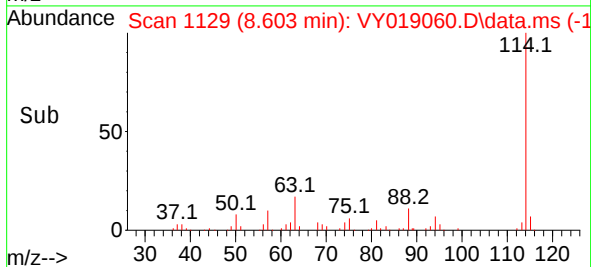
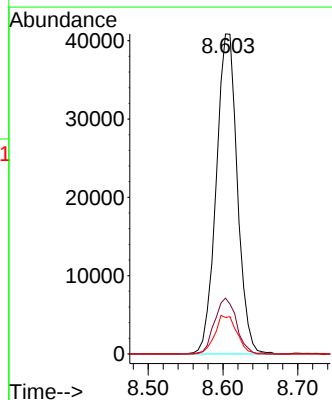
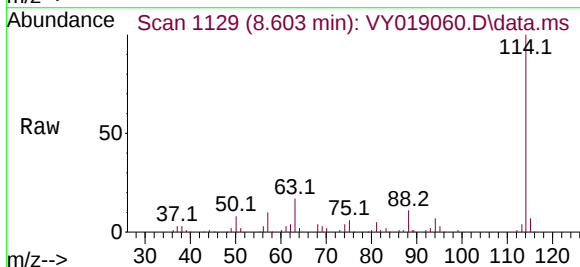
Tgt Ion: 114 Resp: 80383

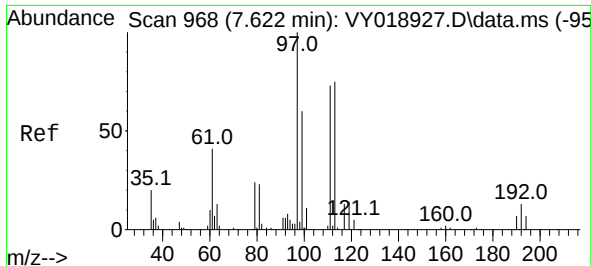
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

88 11.4 0.0 27.2





#35

Dibromofluoromethane

Concen: 50.672 ug/l

RT: 7.616 min Scan# 9

Delta R.T. -0.006 min

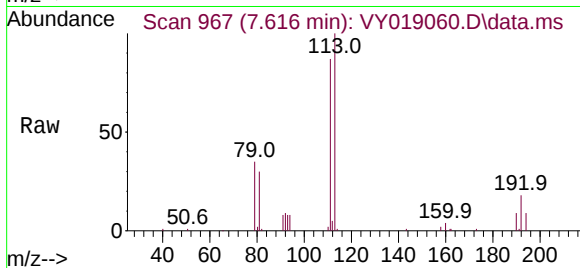
Lab File: VY019060.D

Acq: 14 Aug 2024 15:50

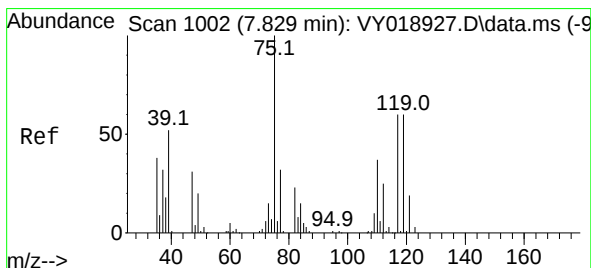
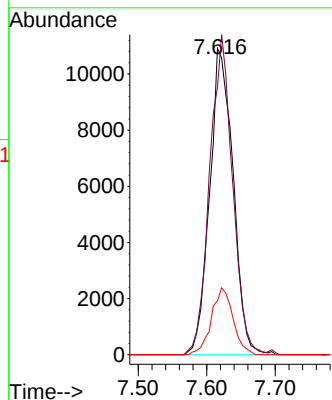
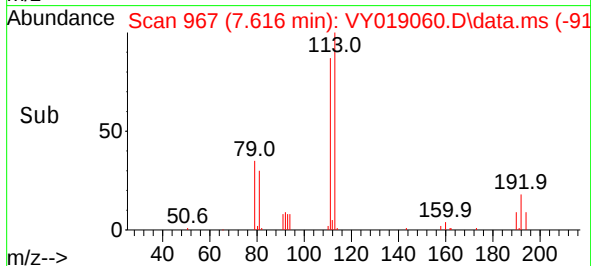
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	113	Resp:	26015
Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.2	123.4
192	20.1	15.9	23.9



#36

1,1-Dichloropropene

Concen: 5.109 ug/l

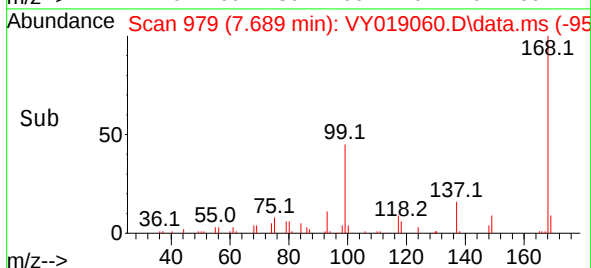
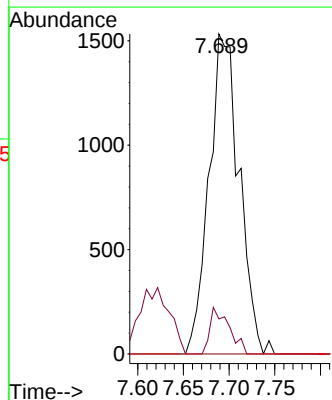
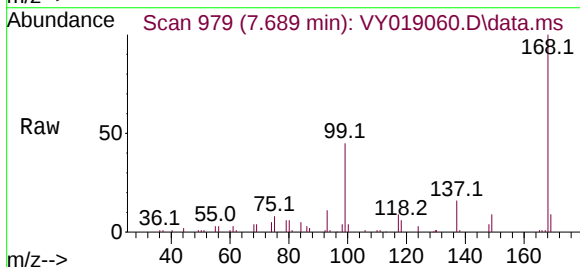
RT: 7.689 min Scan# 979

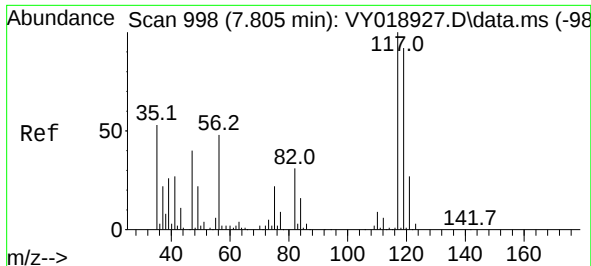
Delta R.T. -0.140 min

Lab File: VY019060.D

Acq: 14 Aug 2024 15:50

Tgt Ion:	75	Resp:	3521
Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.0	57.0#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 5.928 ug/l

RT: 7.695 min Scan# 91

Delta R.T. -0.110 min

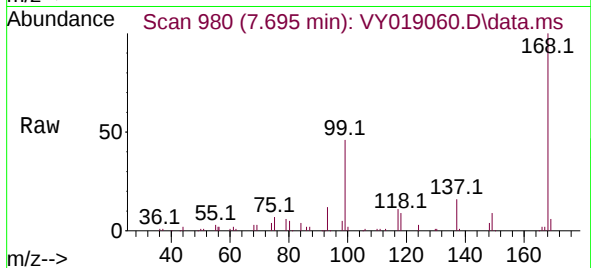
Lab File: VY019060.D

Acq: 14 Aug 2024 15:50

Instrument :

MSVOA_Y

ClientSampleId :



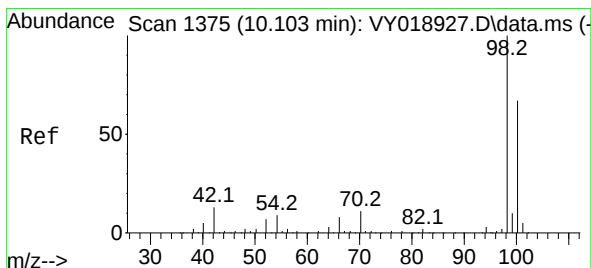
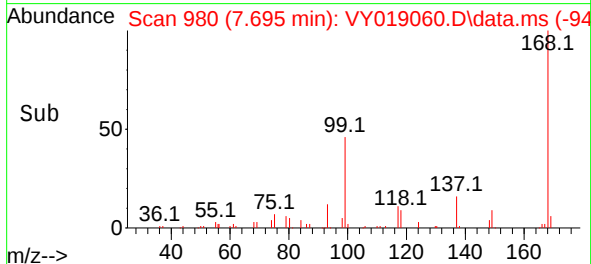
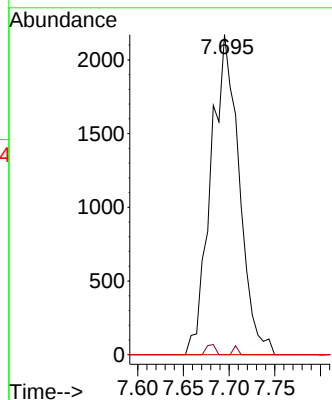
Tgt Ion:117 Resp: 4684

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 49.432 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019060.D

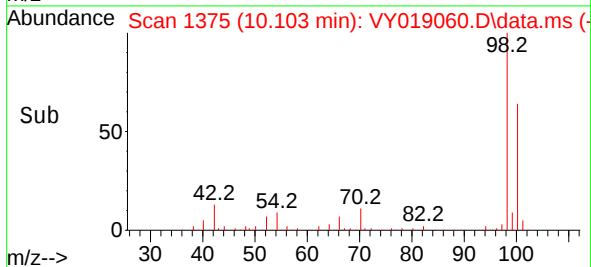
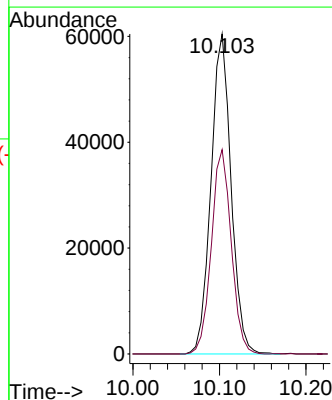
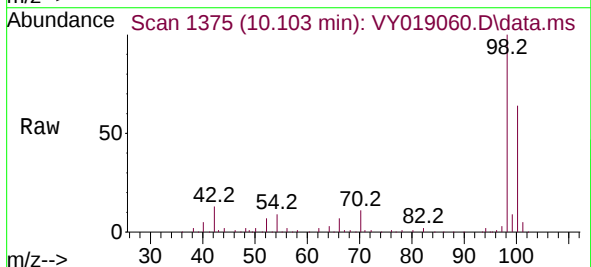
Acq: 14 Aug 2024 15:50

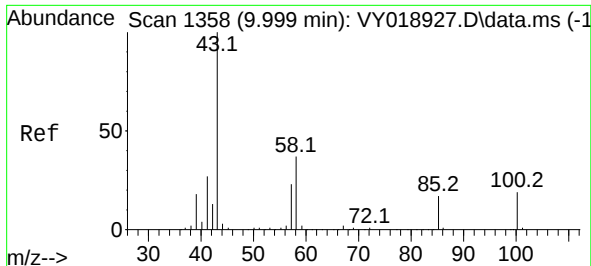
Tgt Ion: 98 Resp: 97479

Ion Ratio Lower Upper

98 100

100 63.1 52.0 78.0

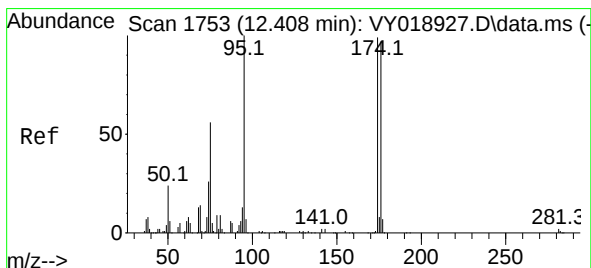
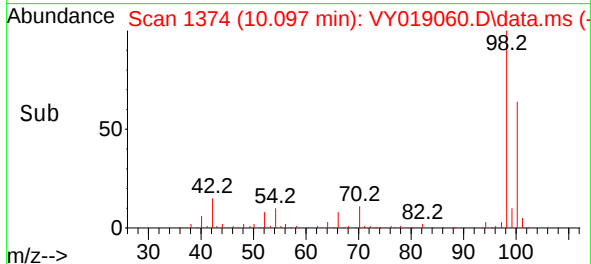
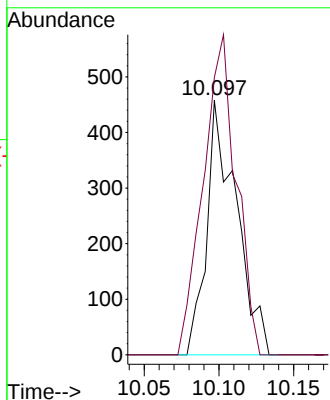
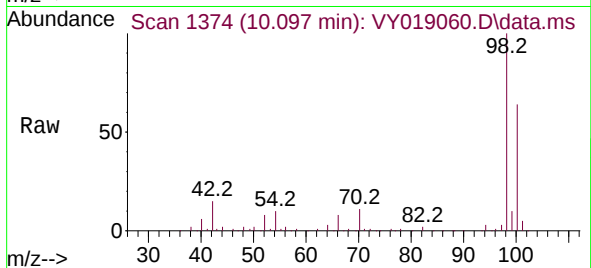




#51
4-Methyl-2-Pentanone
Concen: 1.910 ug/l
RT: 10.097 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY019060.D
Acq: 14 Aug 2024 15:50

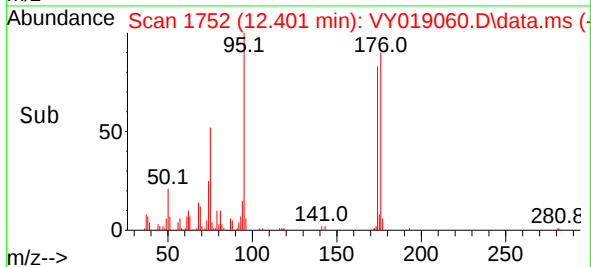
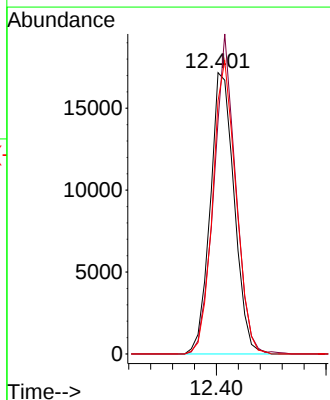
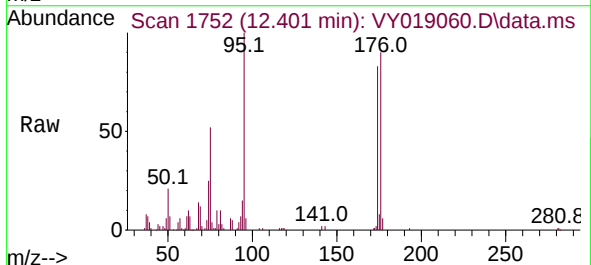
Instrument :
MSVOA_Y
ClientSampleId :

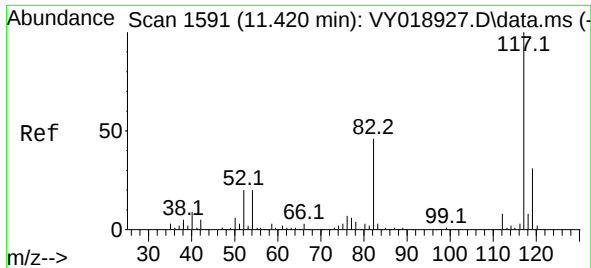
Tgt Ion: 43 Resp: 631
Ion Ratio Lower Upper
43 100
58 139.8 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 44.735 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY019060.D
Acq: 14 Aug 2024 15:50

Tgt Ion: 95 Resp: 26172
Ion Ratio Lower Upper
95 100
174 103.3 0.0 175.6
176 100.9 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019060.D

Acq: 14 Aug 2024 15:50

Instrument :

MSVOA_Y

ClientSampleId :

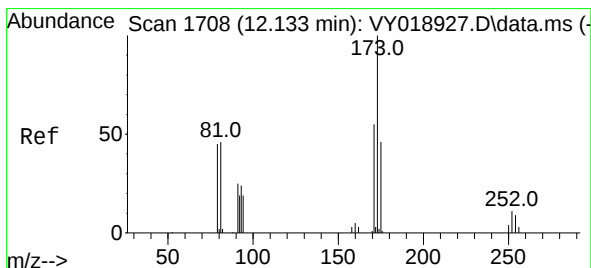
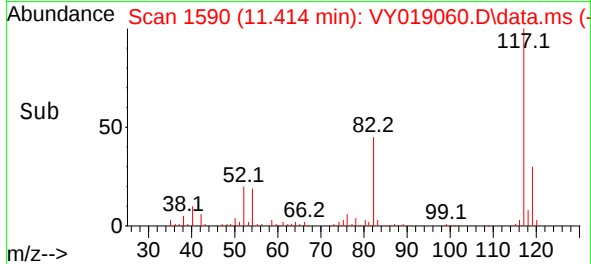
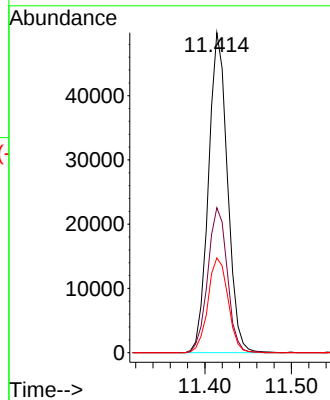
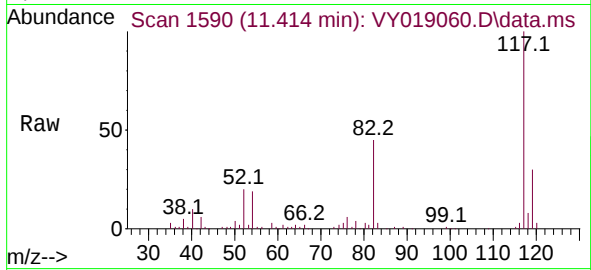
Tgt Ion:117 Resp: 75855

Ion Ratio Lower Upper

117 100

82 45.3 42.4 63.6

119 29.6 25.9 38.9



#71

Bromoform

Concen: 1.000 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.268 min

Lab File: VY019060.D

Acq: 14 Aug 2024 15:50

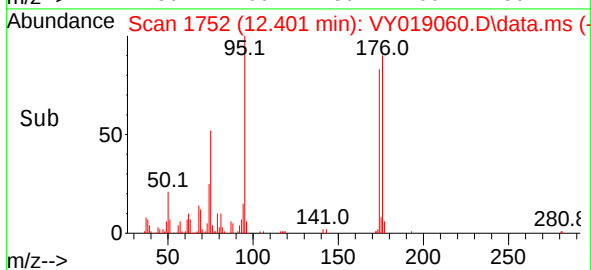
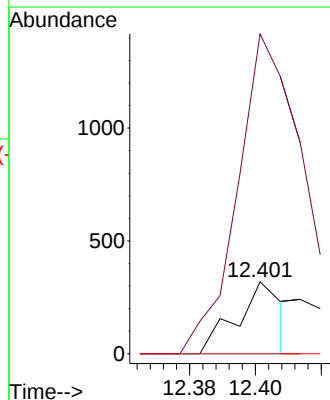
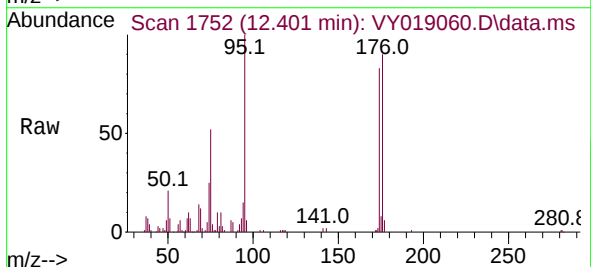
Tgt Ion:173 Resp: 303

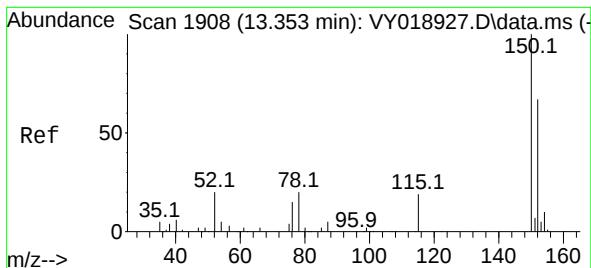
Ion Ratio Lower Upper

173 100

175 464.7 25.1 75.3#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019060.D

Acq: 14 Aug 2024 15:50

Instrument :

MSVOA_Y

ClientSampleId :

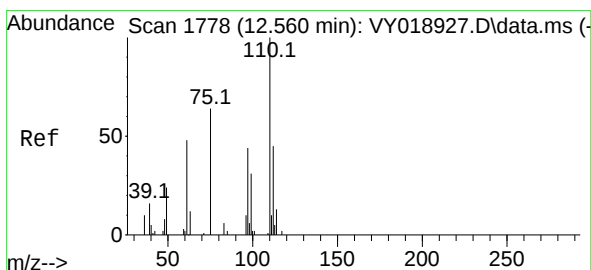
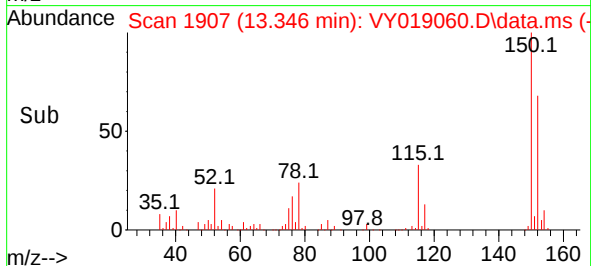
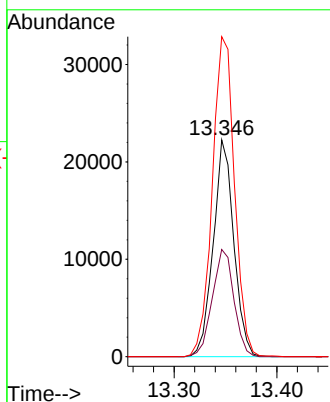
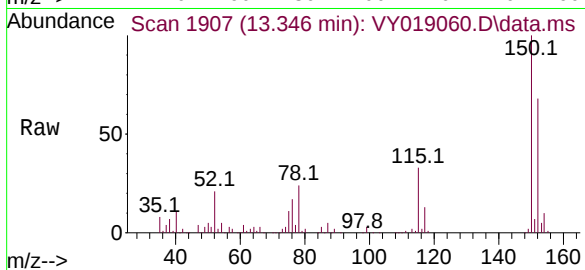
Tgt Ion:152 Resp: 30890

Ion Ratio Lower Upper

152 100

115 51.9 28.2 84.7

150 159.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 66.737 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.153 min

Lab File: VY019060.D

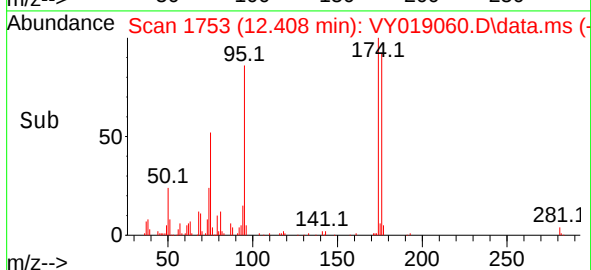
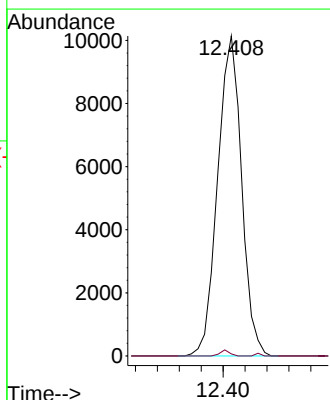
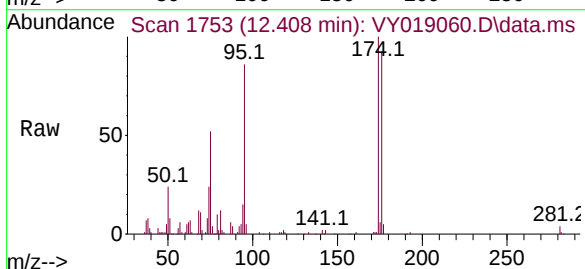
Acq: 14 Aug 2024 15:50

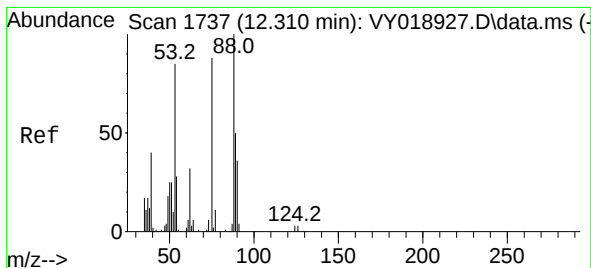
Tgt Ion: 75 Resp: 15358

Ion Ratio Lower Upper

75 100

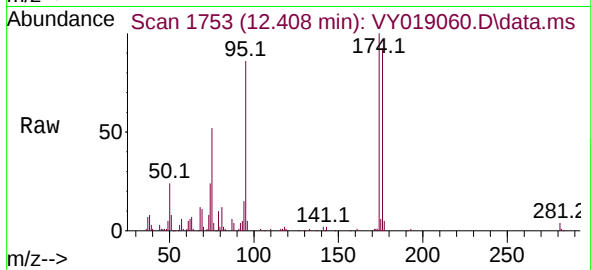
77 0.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.519 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY019060.D
 Acq: 14 Aug 2024 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 15358
 Ion Ratio Lower Upper
 75 100
 53 0.3 66.8 100.2#
 89 0.0 35.8 53.6#

