

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082724\
 Data File : VY019309.D
 Acq On : 28 Aug 2024 02:58
 Operator : SY/MD
 Sample : P3717-11
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 28 03:36:25 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)

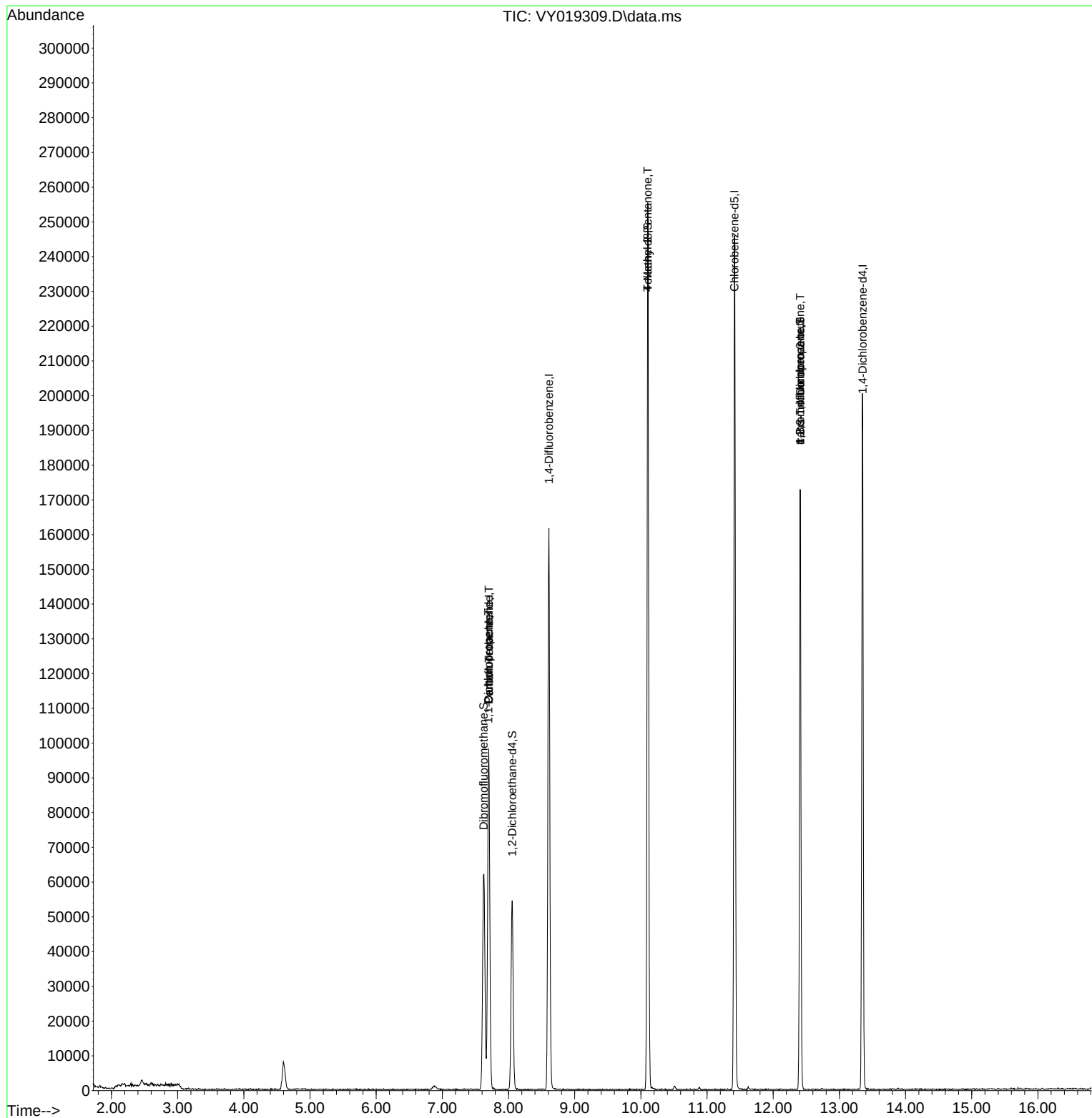
Internal Standards						
1) Pentafluorobenzene	7.701	168	77355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	142295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	133122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	51164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	40489	52.215	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.440%
35) Dibromofluoromethane	7.622	113	46046	49.490	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.980%
50) Toluene-d8	10.103	98	162287	48.470	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.940%
62) 4-Bromofluorobenzene	12.408	95	48541	42.527	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	85.060%
Target Compounds						
5) Bromomethane	2.592	94	251	Below Cal	#	36
6) Chloroethane	2.848	64	21	Below Cal	#	42
11) Tert butyl alcohol	4.818	59	20	Below Cal	#	88
20) Methylene Chloride	4.598	84	5947	Below Cal		98
31) Cyclohexane	7.707	56	1658	Below Cal	#	39
36) 1,1-Dichloropropene	7.695	75	5881	4.603	ug/l #	48
38) Carbon Tetrachloride	7.701	117	7213	4.872	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	763	1.256	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	25894	51.319	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	25894	126.741	ug/l #	16

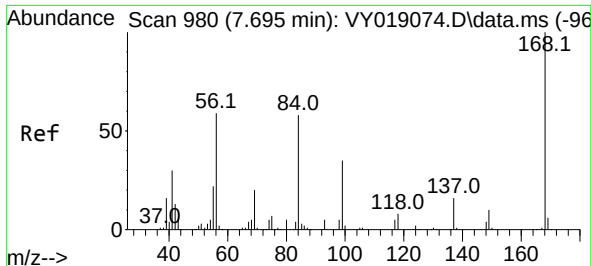
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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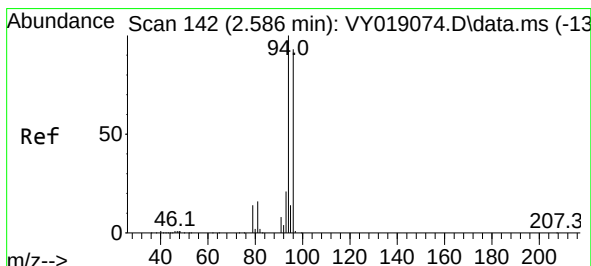
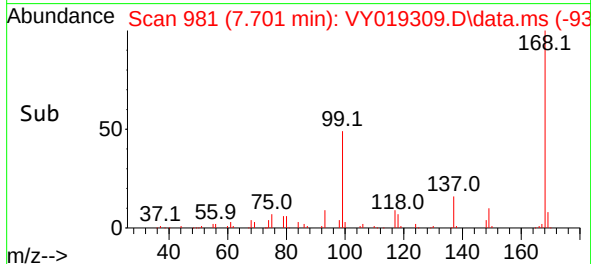
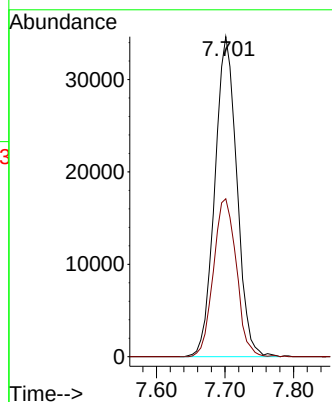
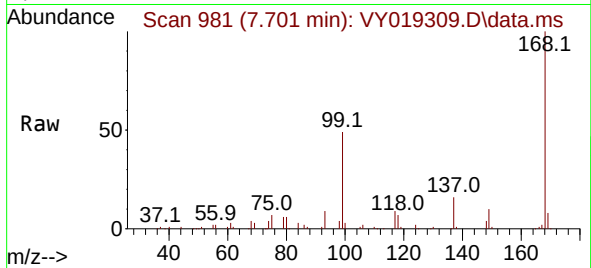




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019309.D
Acq: 28 Aug 2024 02:58

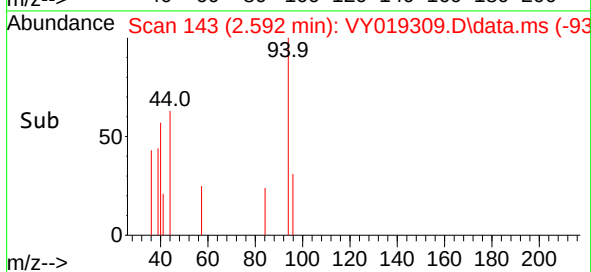
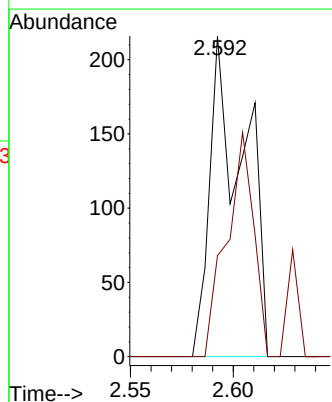
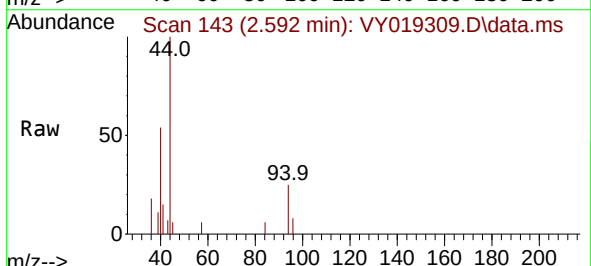
Instrument :
MSVOA_Y
ClientSampleId :

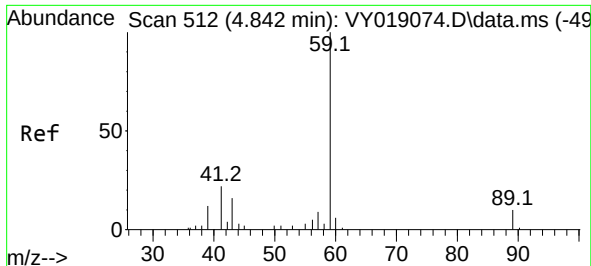
Tgt Ion:168 Resp: 77355
Ion Ratio Lower Upper
168 100
99 49.3 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.592 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY019309.D
Acq: 28 Aug 2024 02:58

Tgt Ion: 94 Resp: 251
Ion Ratio Lower Upper
94 100
96 31.5 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.818 min Scan# 508

Delta R.T. -0.024 min

Lab File: VY019309.D

Acq: 28 Aug 2024 02:58

Instrument :

MSVOA_Y

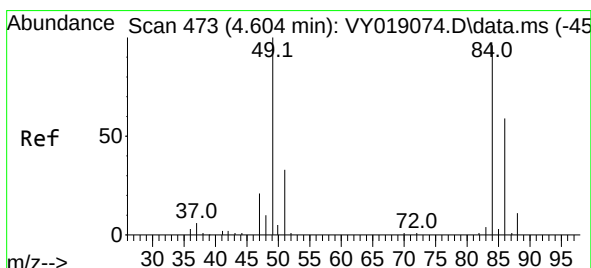
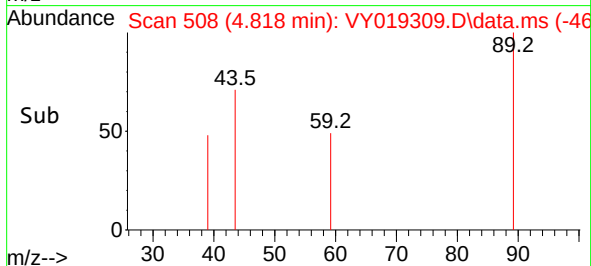
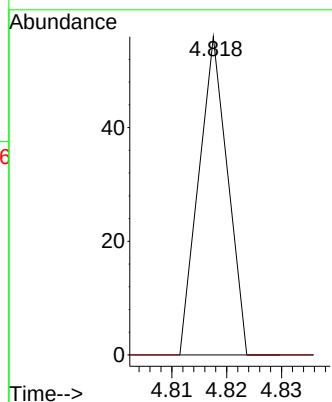
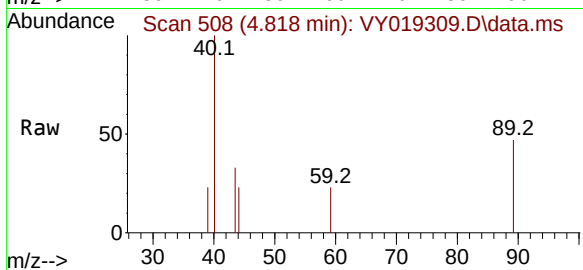
ClientSampleId :

Tgt Ion: 59 Resp: 20

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: VY019309.D

Acq: 28 Aug 2024 02:58

Tgt Ion: 84 Resp: 5947

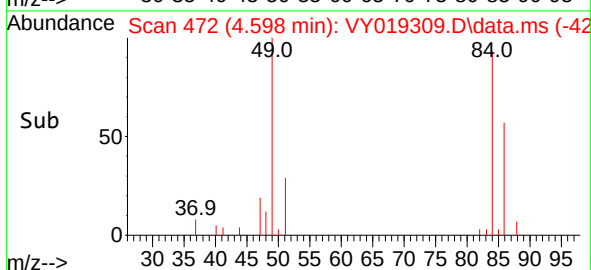
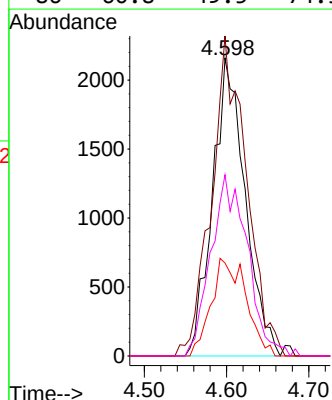
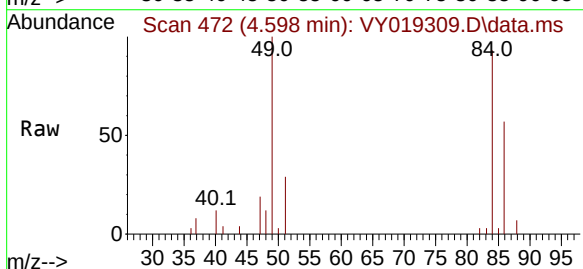
Ion Ratio Lower Upper

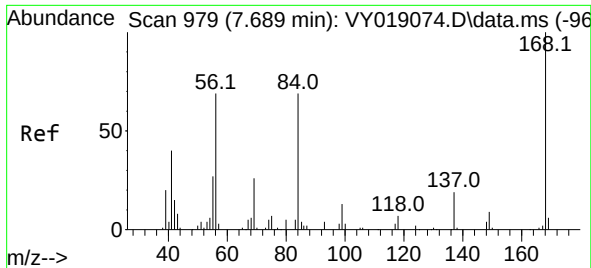
84 100

49 104.1 84.4 126.6

51 31.2 26.0 39.0

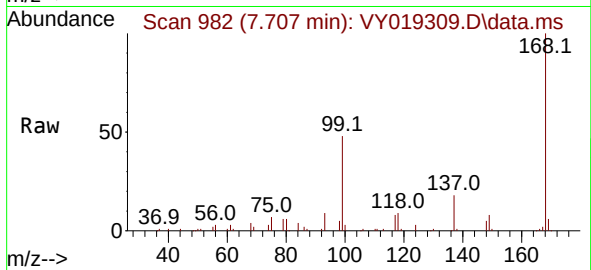
86 60.8 49.5 74.3



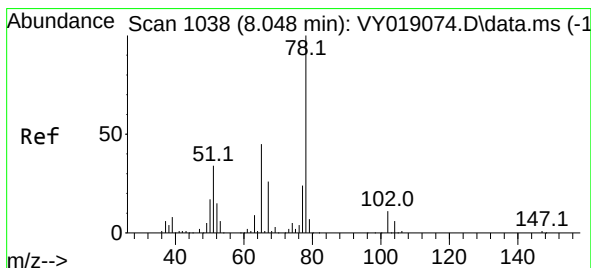
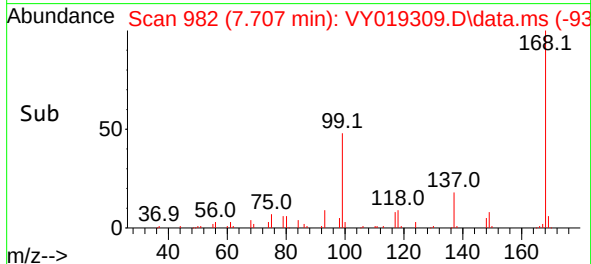
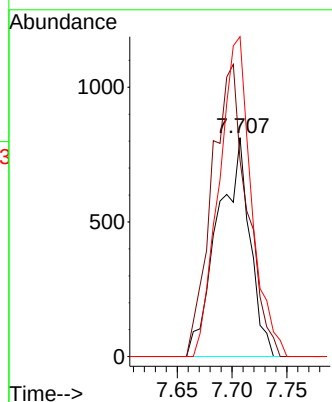


#31
Cyclohexane
Concen: Below Cal
RT: 7.707 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY019309.D
Acq: 28 Aug 2024 02:58

Instrument :
MSVOA_Y
ClientSampleId :

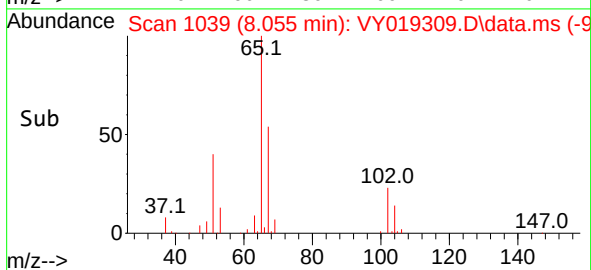
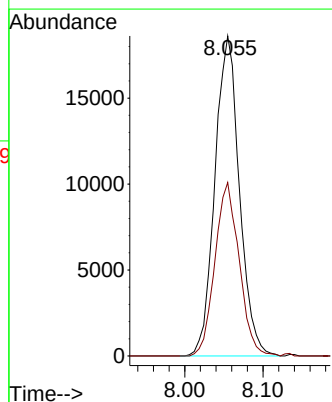
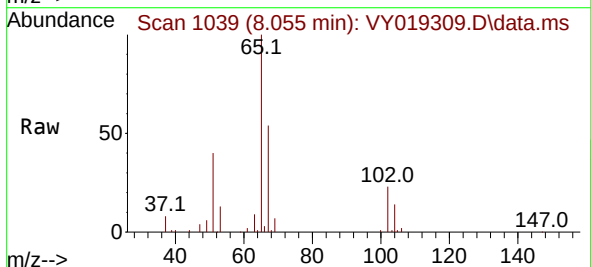


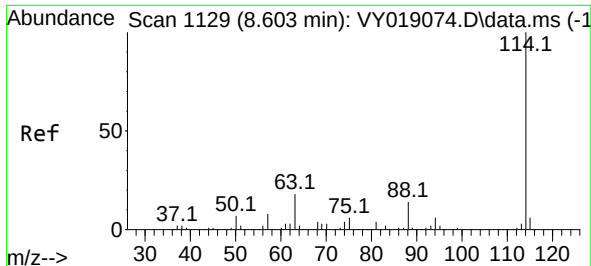
Tgt Ion: 56 Resp: 1658
Ion Ratio Lower Upper
56 100
69 89.7 28.7 43.1#
84 146.1 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 52.215 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019309.D
Acq: 28 Aug 2024 02:58

Tgt Ion: 65 Resp: 40489
Ion Ratio Lower Upper
65 100
67 53.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019309.D

Acq: 28 Aug 2024 02:58

Instrument :

MSVOA_Y

ClientSampleId :

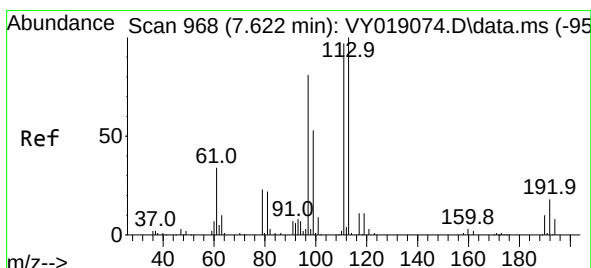
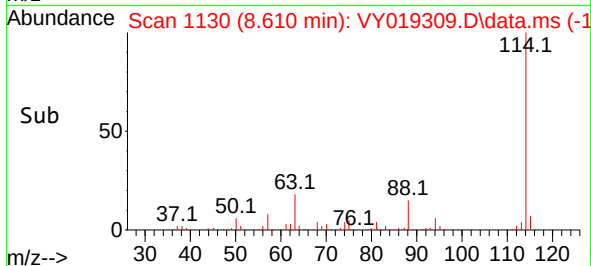
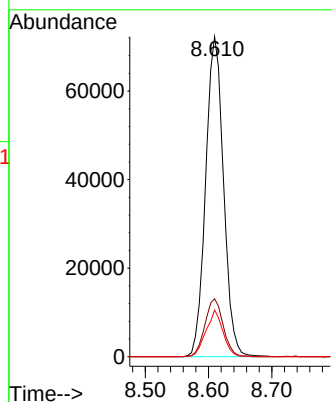
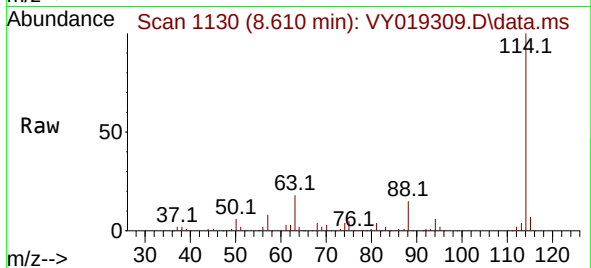
Tgt Ion:114 Resp: 142295

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

88 14.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.490 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019309.D

Acq: 28 Aug 2024 02:58

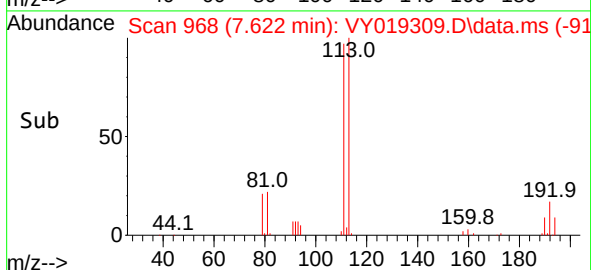
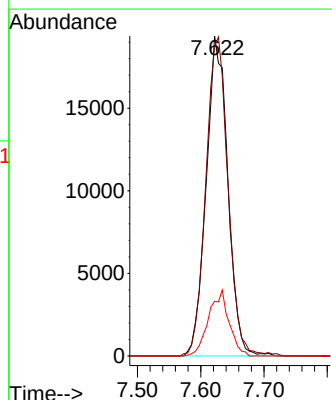
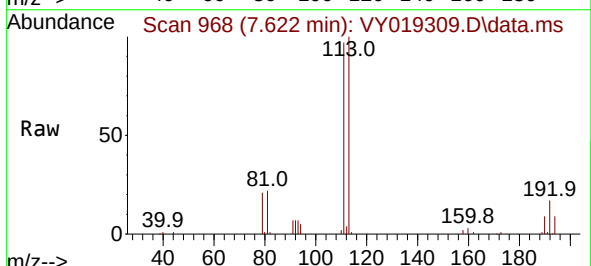
Tgt Ion:113 Resp: 46046

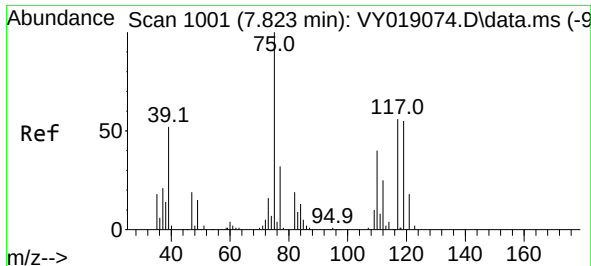
Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

192 19.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.603 ug/l

RT: 7.695 min Scan# 9

Delta R.T. -0.128 min

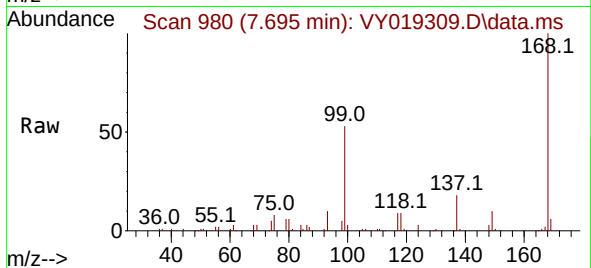
Lab File: VY019309.D

Acq: 28 Aug 2024 02:58

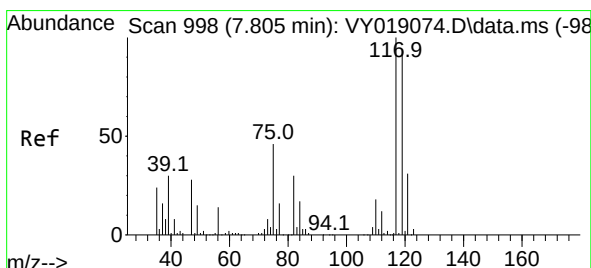
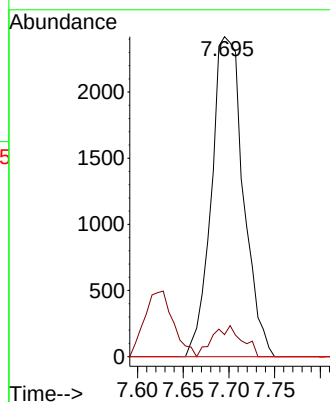
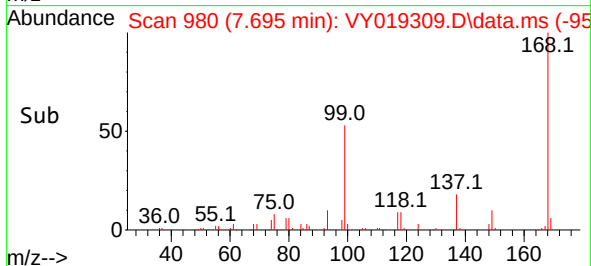
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 5881
Ion Ratio	Lower Upper
75	100
110	8.8 19.0 57.0#
77	0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 4.872 ug/l

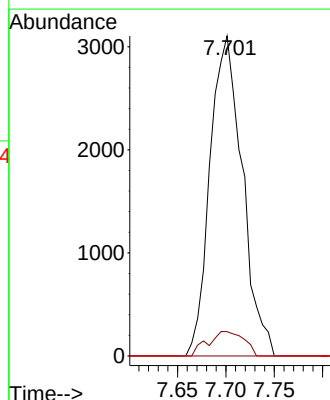
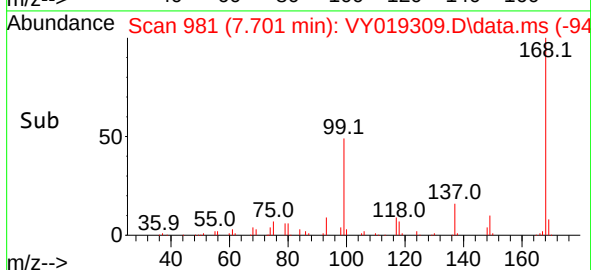
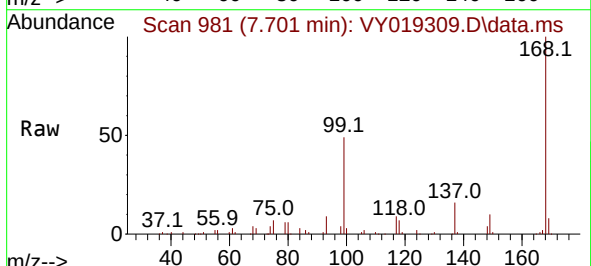
RT: 7.701 min Scan# 981

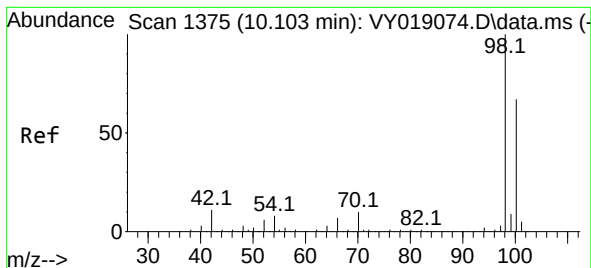
Delta R.T. -0.103 min

Lab File: VY019309.D

Acq: 28 Aug 2024 02:58

Tgt Ion: 117	Resp: 7213
Ion Ratio	Lower Upper
117	100
119	7.6 75.8 113.6#
121	0.0 24.0 36.0#





#50

Toluene-d8

Concen: 48.470 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019309.D

Acq: 28 Aug 2024 02:58

Instrument :

MSVOA_Y

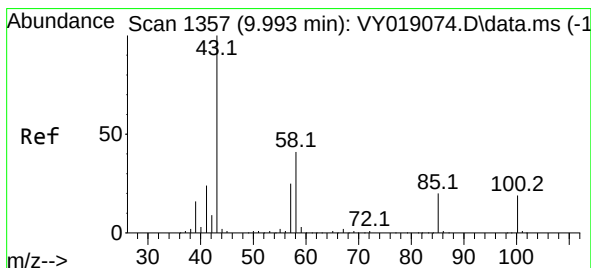
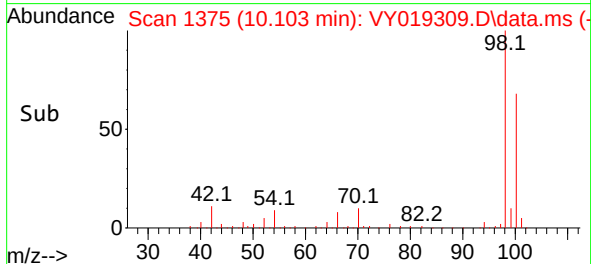
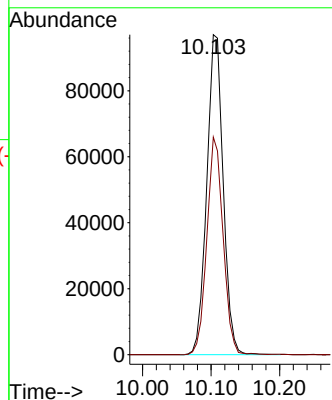
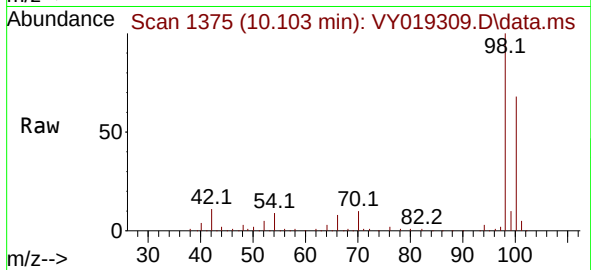
ClientSampleId :

Tgt Ion: 98 Resp: 162287

Ion Ratio Lower Upper

98 100

100 67.1 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.256 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.110 min

Lab File: VY019309.D

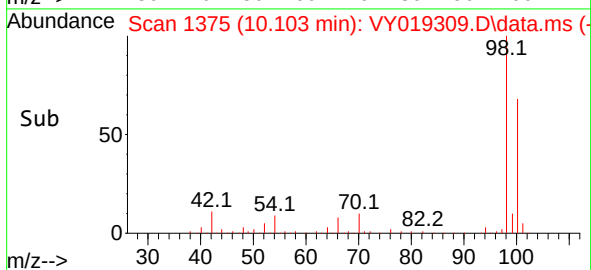
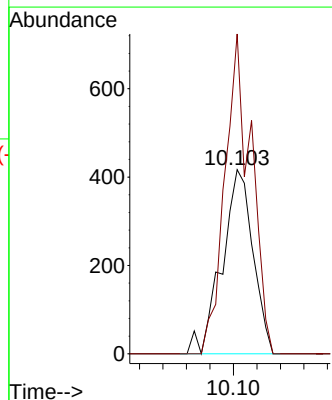
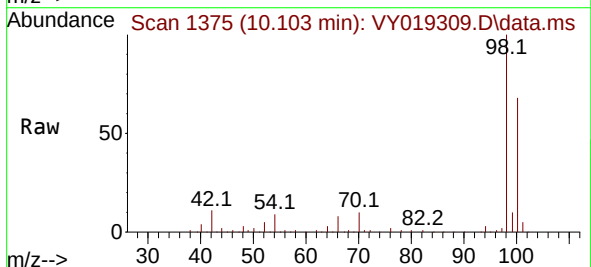
Acq: 28 Aug 2024 02:58

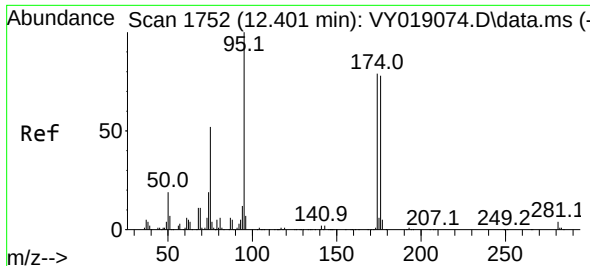
Tgt Ion: 43 Resp: 763

Ion Ratio Lower Upper

43 100

58 148.0 35.7 53.5#

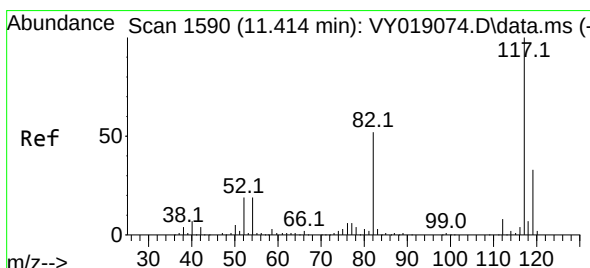
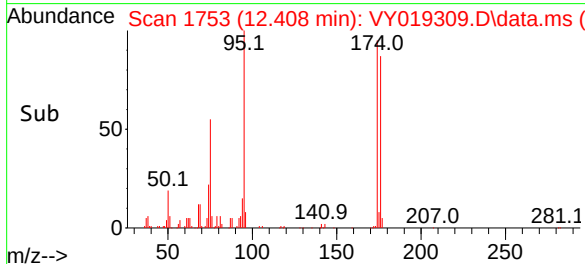
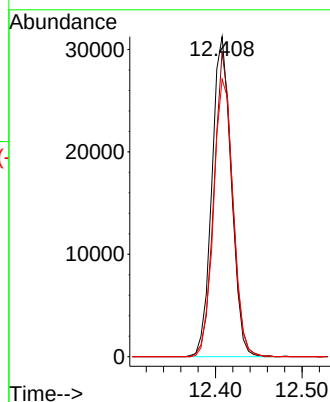
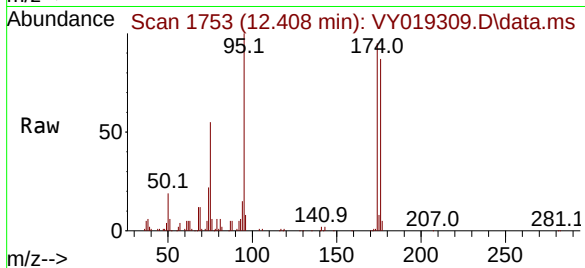




#62
4-Bromofluorobenzene
Concen: 42.527 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019309.D
Acq: 28 Aug 2024 02:58

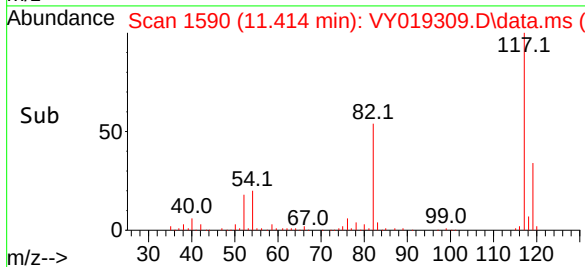
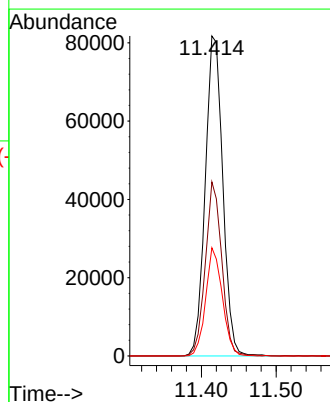
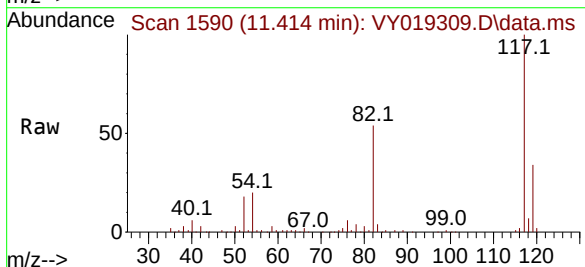
Instrument :
MSVOA_Y
ClientSampleId :

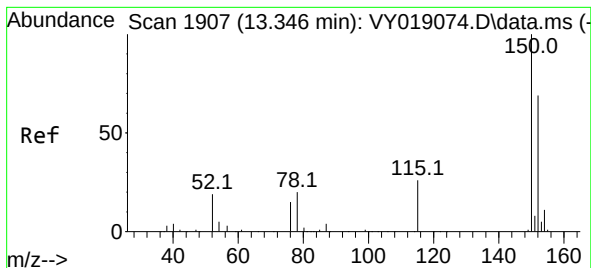
Tgt Ion: 95 Resp: 48541
Ion Ratio Lower Upper
95 100
174 90.7 0.0 175.6
176 88.0 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019309.D
Acq: 28 Aug 2024 02:58

Tgt Ion: 117 Resp: 133122
Ion Ratio Lower Upper
117 100
82 54.4 42.4 63.6
119 33.8 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY019309.D

Acq: 28 Aug 2024 02:58

Instrument :

MSVOA_Y

ClientSampleId :

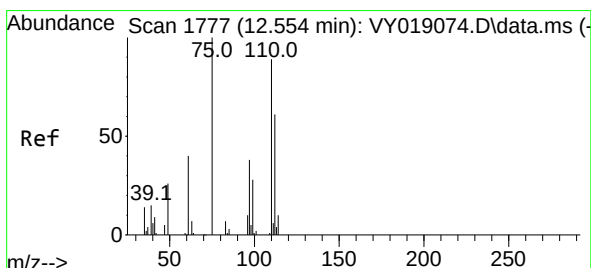
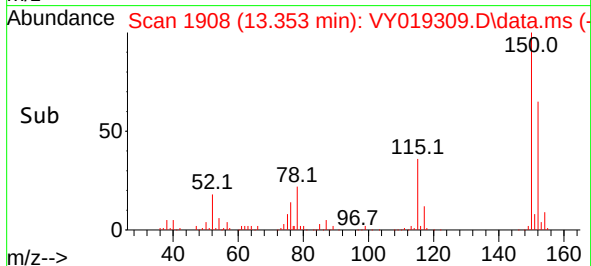
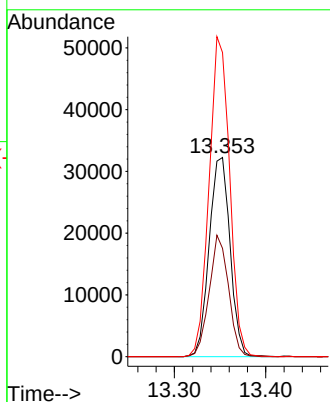
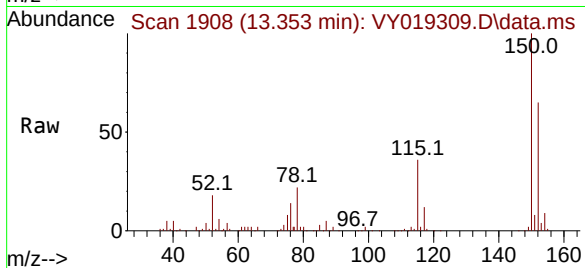
Tgt Ion:152 Resp: 51164

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.7

150 157.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 51.319 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019309.D

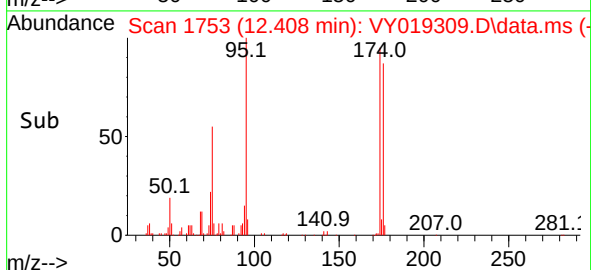
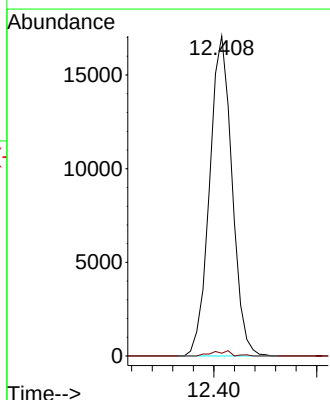
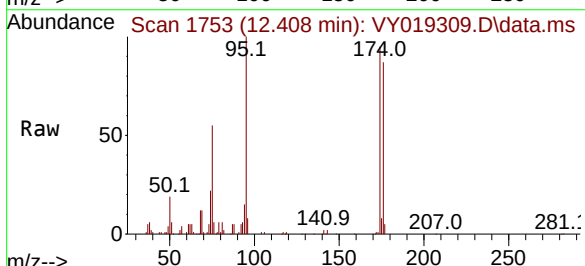
Acq: 28 Aug 2024 02:58

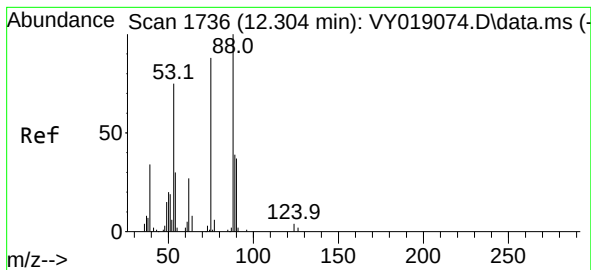
Tgt Ion: 75 Resp: 25894

Ion Ratio Lower Upper

75 100

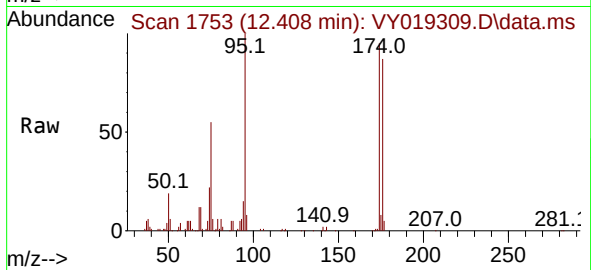
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.741 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019309.D
 Acq: 28 Aug 2024 02:58

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 25894
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#

