

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082724\
 Data File : VY019306.D
 Acq On : 28 Aug 2024 01:45
 Operator : SY/MD
 Sample : P3717-05
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 28 03:35:27 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)

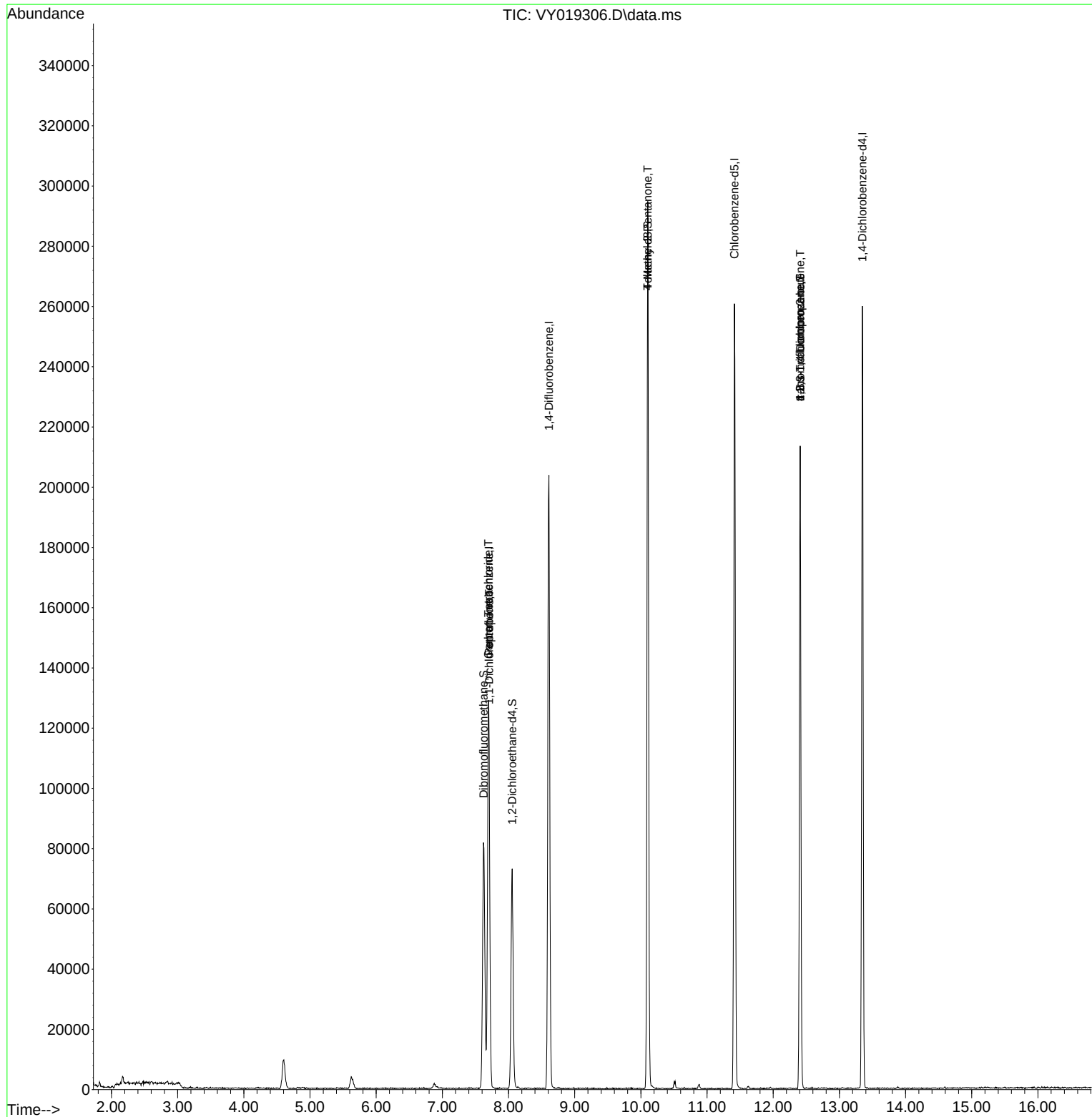
Internal Standards						
1) Pentafluorobenzene	7.701	168	101813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	177396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	142358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	64754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	58167	56.993	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.980%			
35) Dibromofluoromethane	7.622	113	57187	49.303	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.600%			
50) Toluene-d8	10.103	98	186572	44.697	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 89.400%			
62) 4-Bromofluorobenzene	12.408	95	63469	44.603	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 89.200%			
Target Compounds						
5) Bromomethane	2.592	94	222	Below Cal	#	68
6) Chloroethane	2.733	64	21	Below Cal	#	42
11) Tert butyl alcohol	4.830	59	102	Below Cal	#	88
20) Methylene Chloride	4.592	84	6667	Below Cal		94
31) Cyclohexane	7.707	56	2245	Below Cal	#	58
36) 1,1-Dichloropropene	7.707	75	7755	4.869	ug/l #	49
38) Carbon Tetrachloride	7.695	117	10073	5.457	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	836	1.104	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	33708	52.785	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	33708	130.361	ug/l #	16

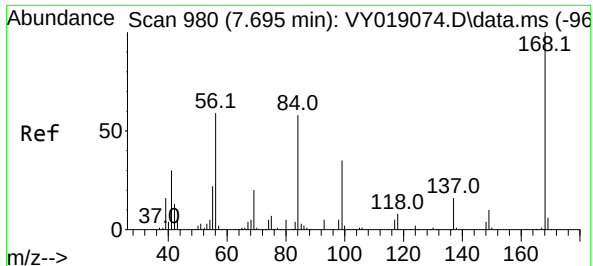
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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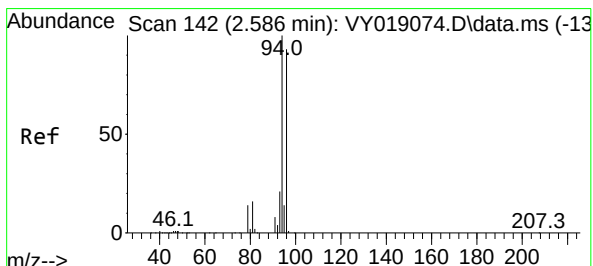
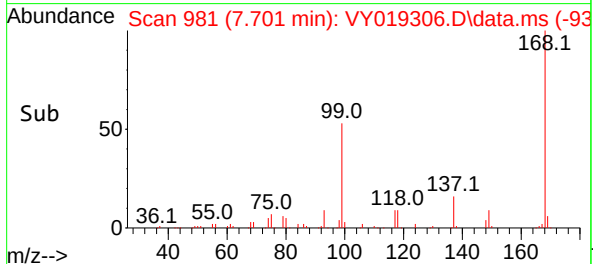
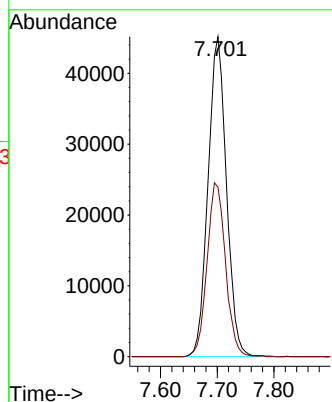
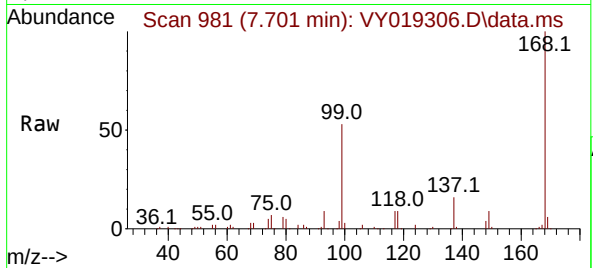




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019306.D
Acq: 28 Aug 2024 01:45

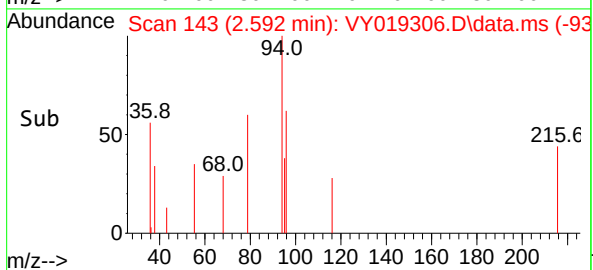
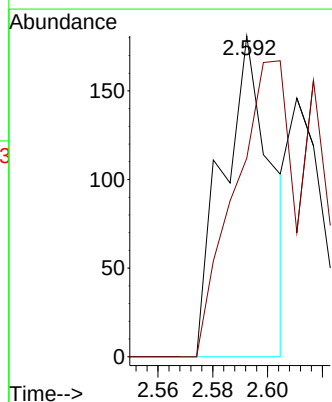
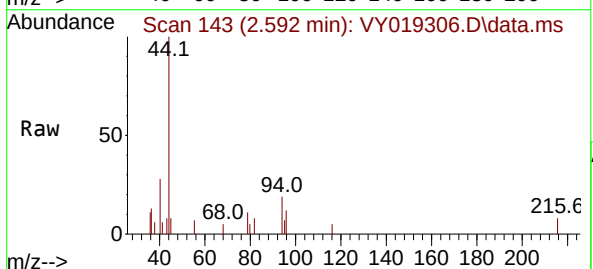
Instrument :
MSVOA_Y
ClientSampleId :

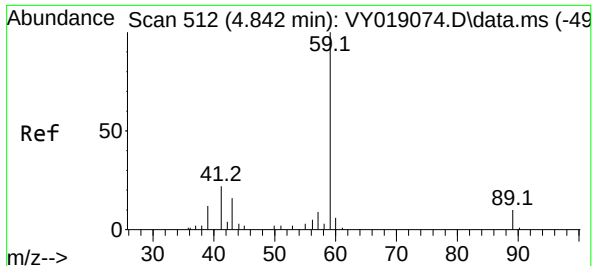
Tgt Ion:168 Resp: 101813
Ion Ratio Lower Upper
168 100
99 53.0 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.592 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY019306.D
Acq: 28 Aug 2024 01:45

Tgt Ion: 94 Resp: 222
Ion Ratio Lower Upper
94 100
96 61.9 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.830 min Scan# 512

Delta R.T. -0.012 min

Lab File: VY019306.D

Acq: 28 Aug 2024 01:45

Instrument :

MSVOA_Y

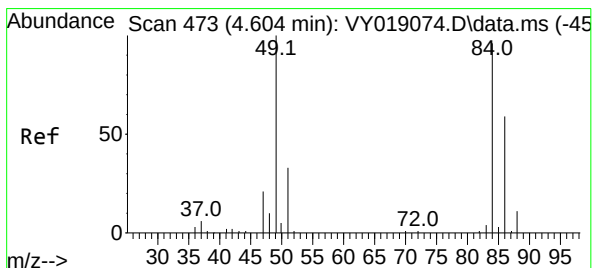
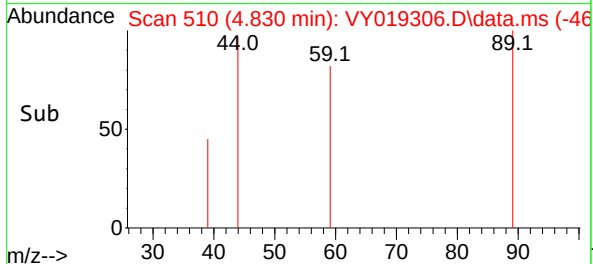
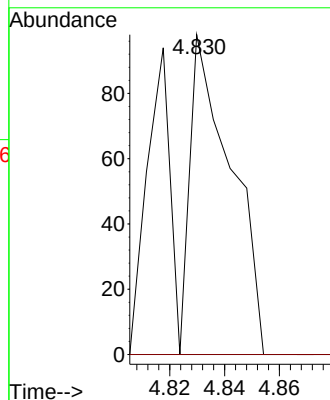
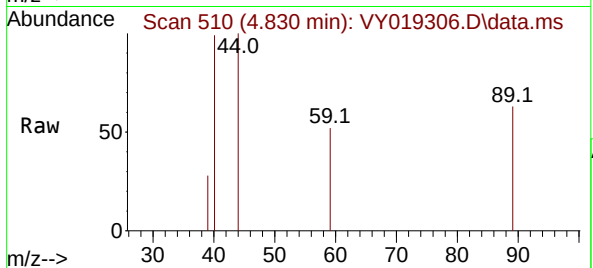
ClientSampleId :

Tgt Ion: 59 Resp: 102

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.592 min Scan# 471

Delta R.T. -0.012 min

Lab File: VY019306.D

Acq: 28 Aug 2024 01:45

Tgt Ion: 84 Resp: 6667

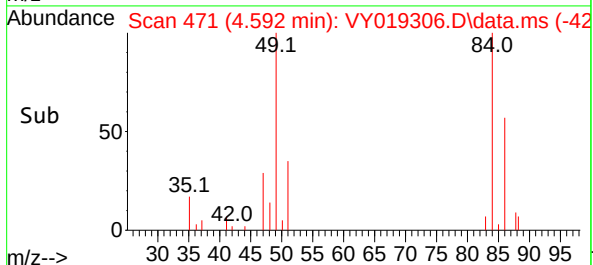
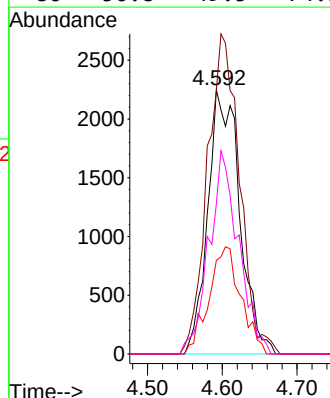
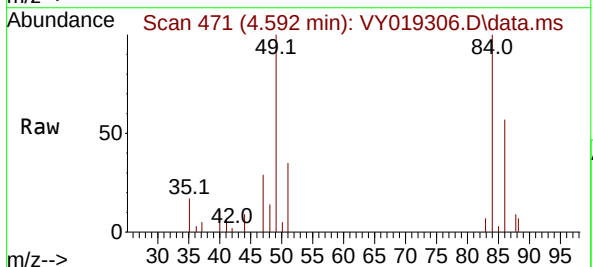
Ion Ratio Lower Upper

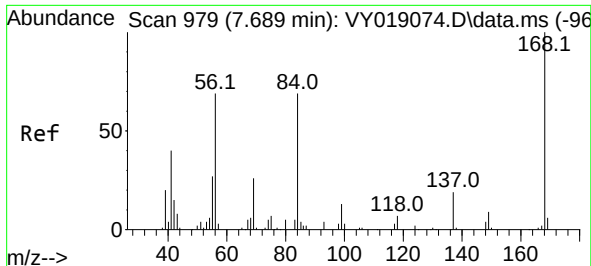
84 100

49 99.7 84.4 126.6

51 35.4 26.0 39.0

86 56.8 49.5 74.3

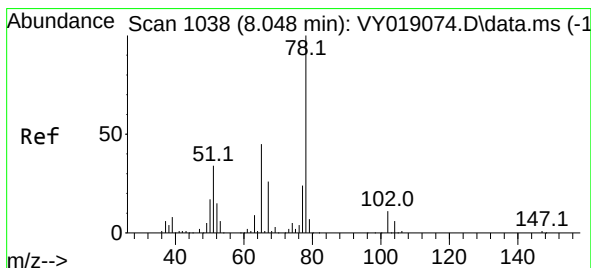
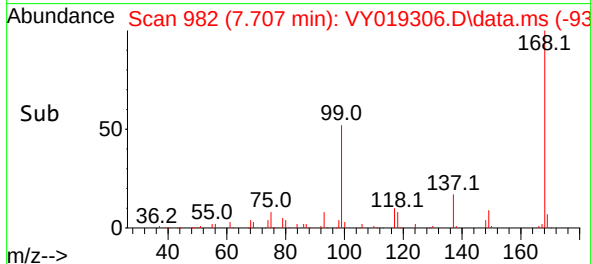
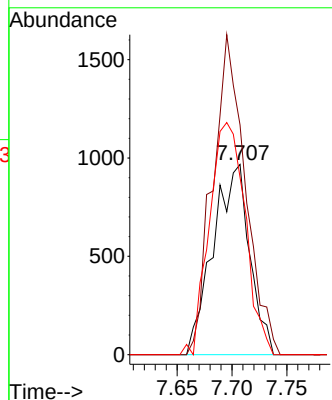
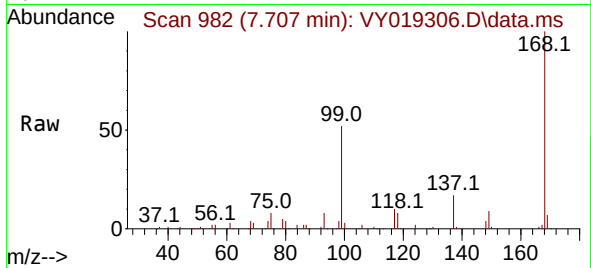




#31
Cyclohexane
Concen: Below Cal
RT: 7.707 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY019306.D
Acq: 28 Aug 2024 01:45

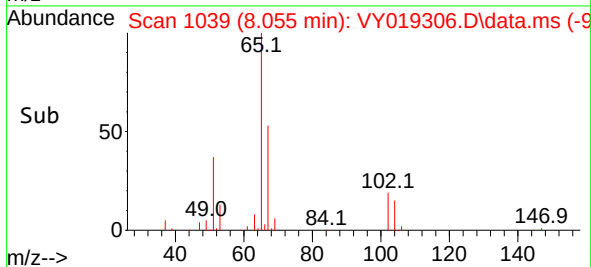
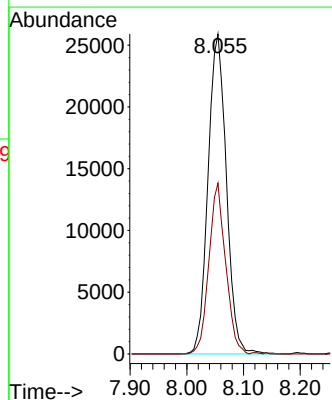
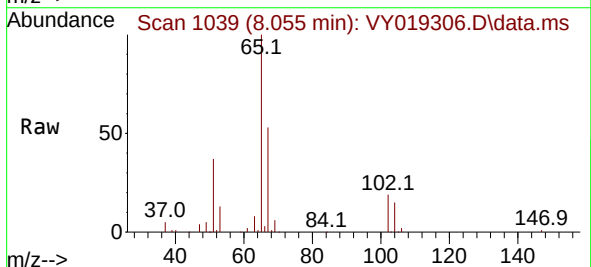
Instrument :
MSVOA_Y
ClientSampleId :

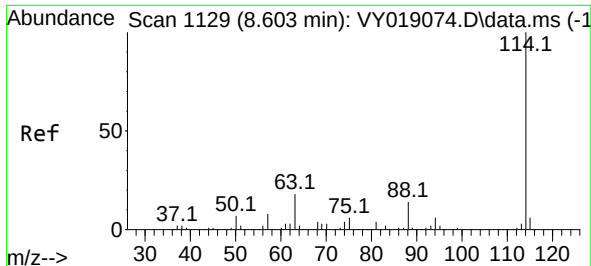
Tgt Ion: 56 Resp: 2245
Ion Ratio Lower Upper
56 100
69 120.8 28.7 43.1#
84 93.2 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 56.993 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019306.D
Acq: 28 Aug 2024 01:45

Tgt Ion: 65 Resp: 58167
Ion Ratio Lower Upper
65 100
67 48.7 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: VY019306.D

Acq: 28 Aug 2024 01:45

Instrument :

MSVOA_Y

ClientSampleId :

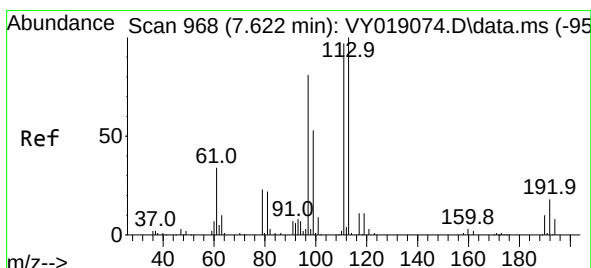
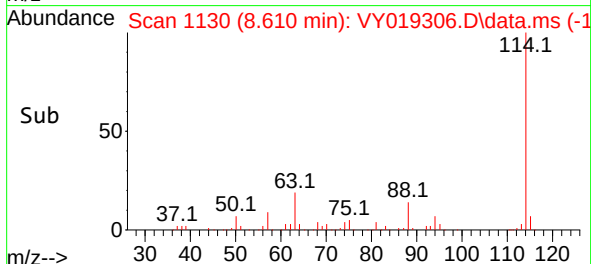
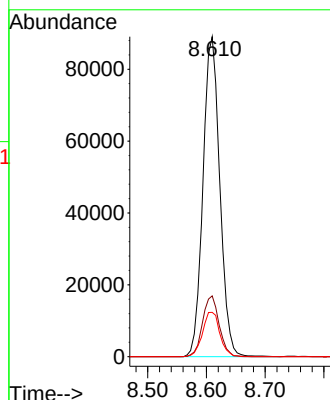
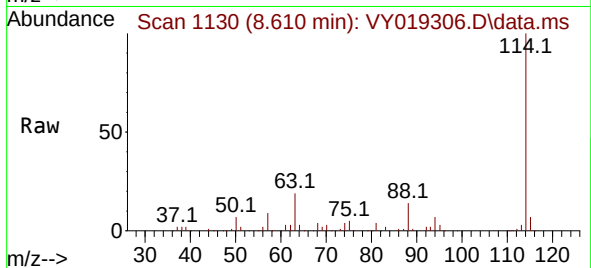
Tgt Ion:114 Resp: 177396

Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.0

88 13.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.303 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019306.D

Acq: 28 Aug 2024 01:45

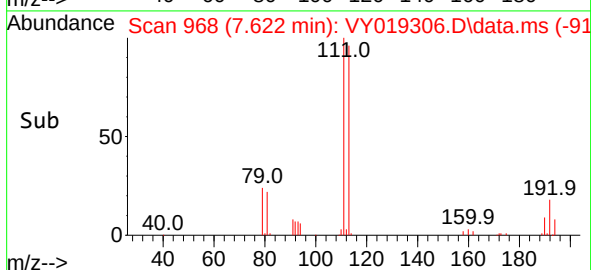
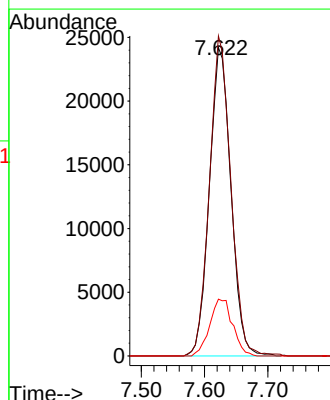
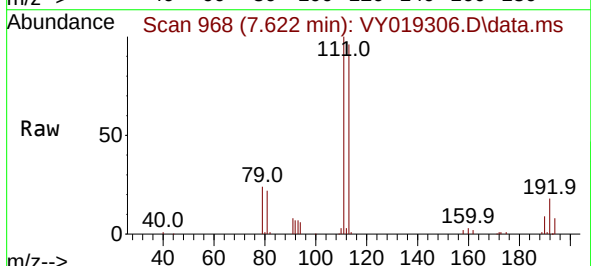
Tgt Ion:113 Resp: 57187

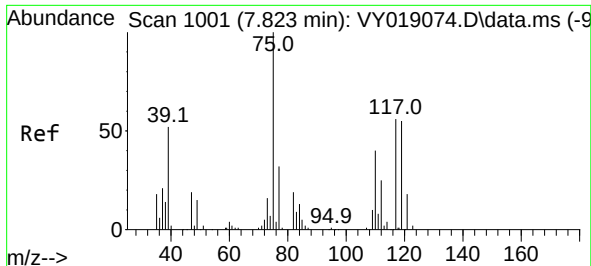
Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

192 19.6 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.869 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.115 min

Lab File: VY019306.D

Acq: 28 Aug 2024 01:45

Instrument :

MSVOA_Y

ClientSampleId :

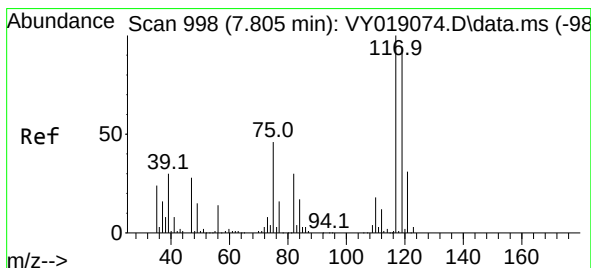
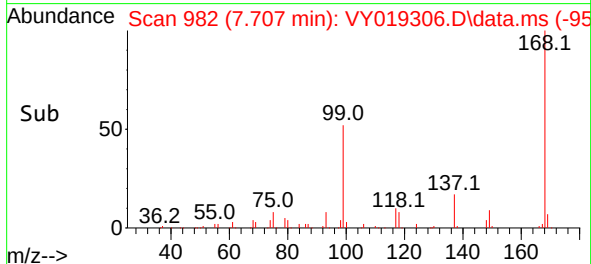
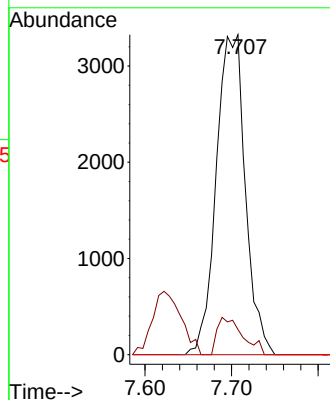
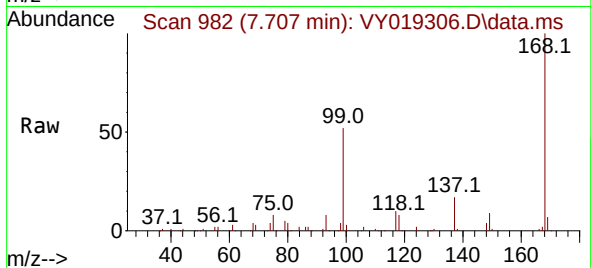
Tgt Ion: 75 Resp: 7755

Ion Ratio Lower Upper

75 100

110 10.2 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.457 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.109 min

Lab File: VY019306.D

Acq: 28 Aug 2024 01:45

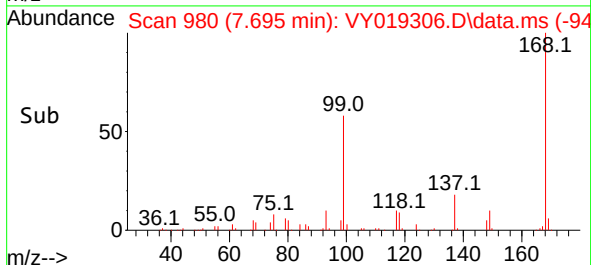
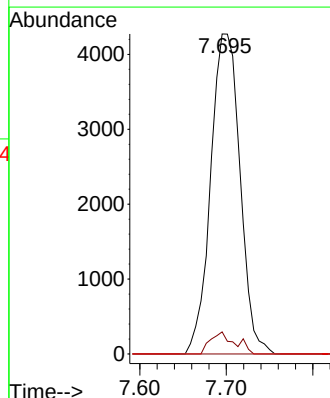
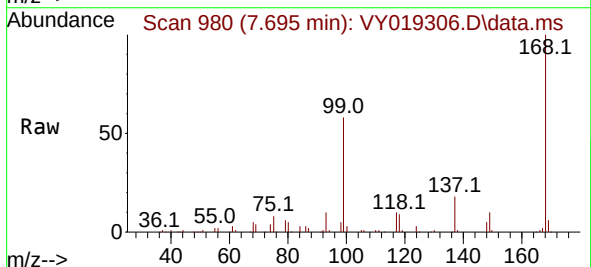
Tgt Ion: 117 Resp: 10073

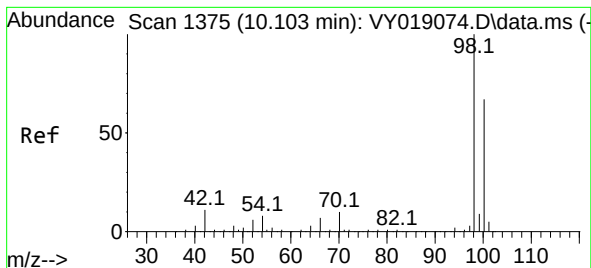
Ion Ratio Lower Upper

117 100

119 6.9 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 44.697 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019306.D

Acq: 28 Aug 2024 01:45

Instrument :

MSVOA_Y

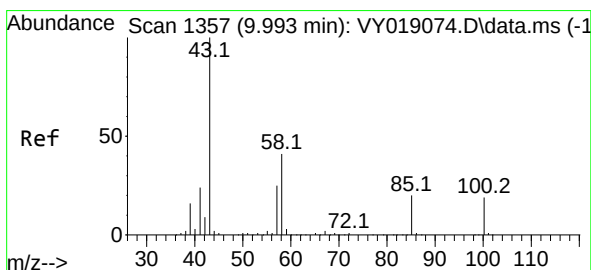
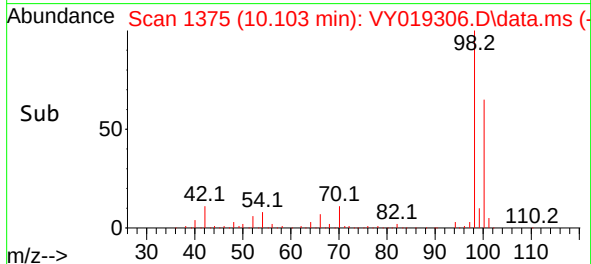
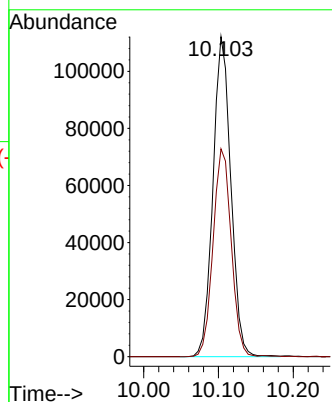
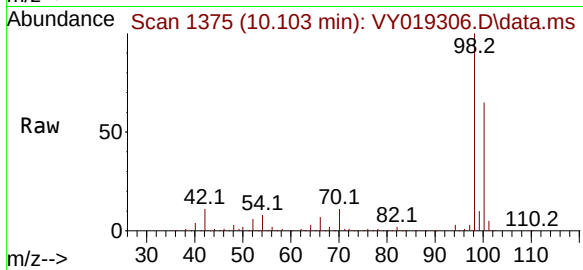
ClientSampleId :

Tgt Ion: 98 Resp: 186572

Ion Ratio Lower Upper

98 100

100 66.0 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.104 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.110 min

Lab File: VY019306.D

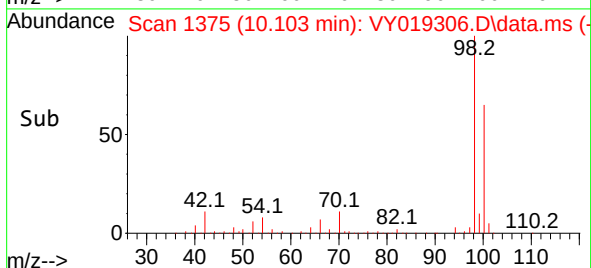
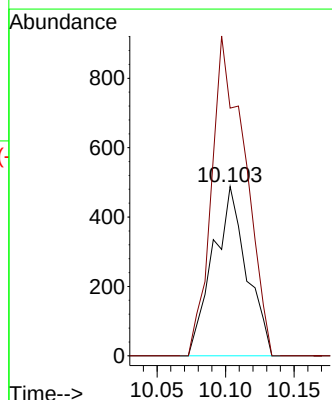
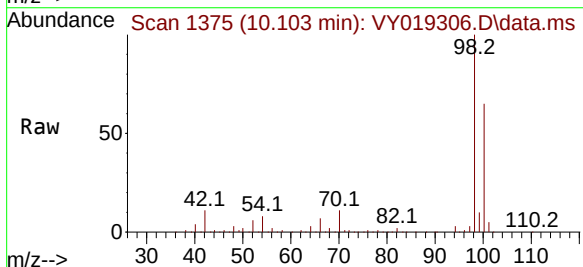
Acq: 28 Aug 2024 01:45

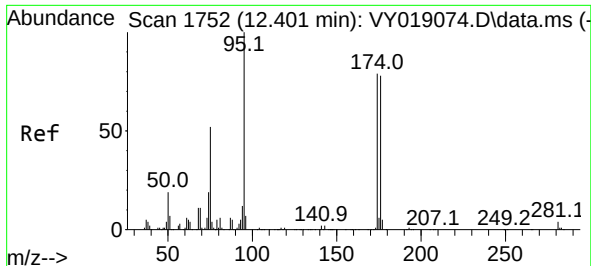
Tgt Ion: 43 Resp: 836

Ion Ratio Lower Upper

43 100

58 187.8 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 44.603 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY019306.D

Acq: 28 Aug 2024 01:45

Instrument :

MSVOA_Y

ClientSampleId :

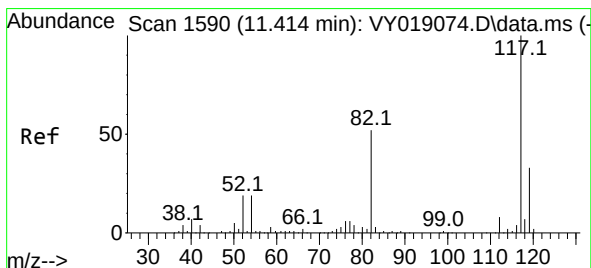
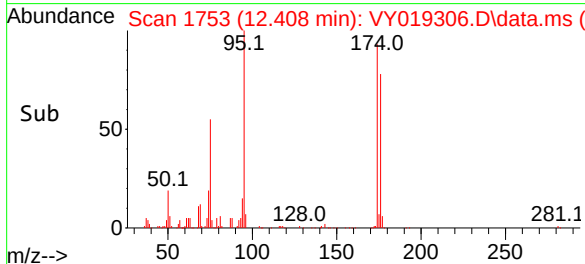
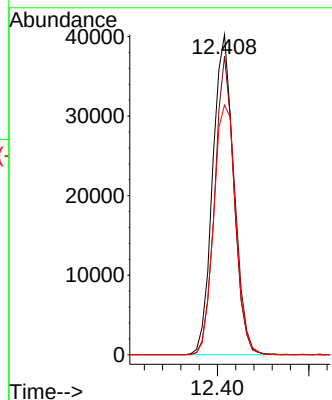
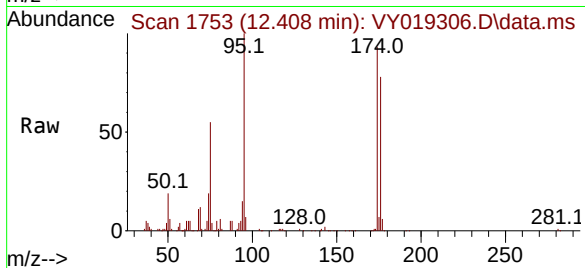
Tgt Ion: 95 Resp: 63469

Ion Ratio Lower Upper

95 100

174 89.6 0.0 175.6

176 82.5 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: VY019306.D

Acq: 28 Aug 2024 01:45

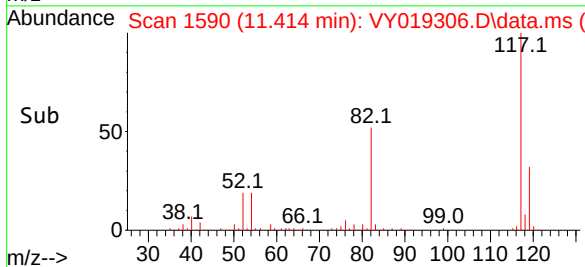
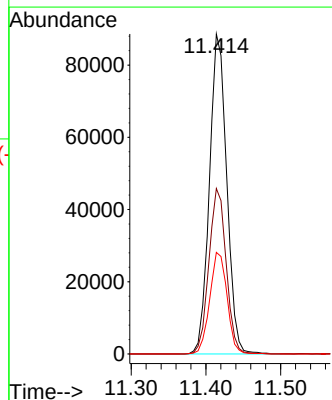
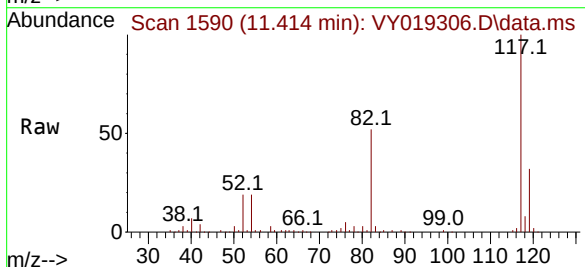
Tgt Ion: 117 Resp: 142358

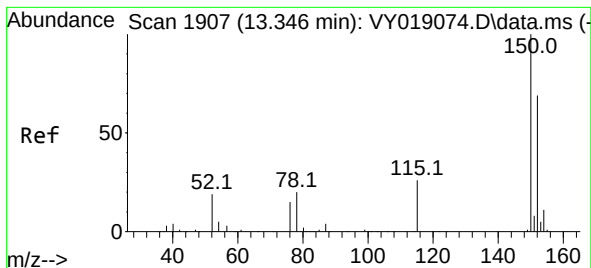
Ion Ratio Lower Upper

117 100

82 51.7 42.4 63.6

119 31.8 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019306.D

Acq: 28 Aug 2024 01:45

Instrument :

MSVOA_Y

ClientSampleId :

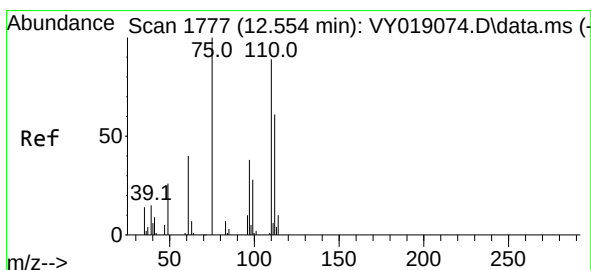
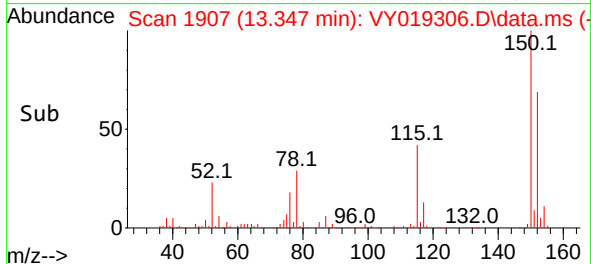
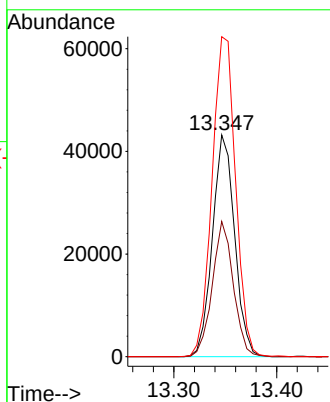
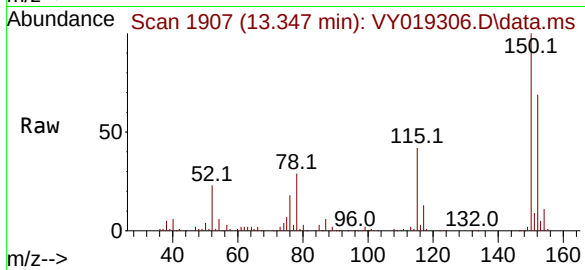
Tgt Ion:152 Resp: 64754

Ion Ratio Lower Upper

152 100

115 57.8 28.2 84.7

150 152.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 52.785 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019306.D

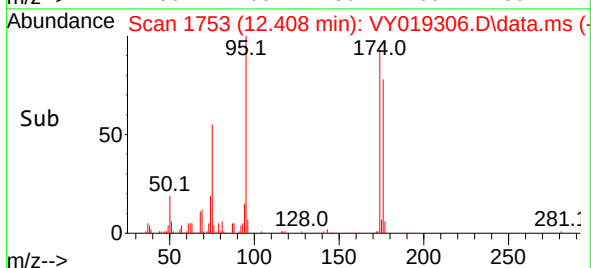
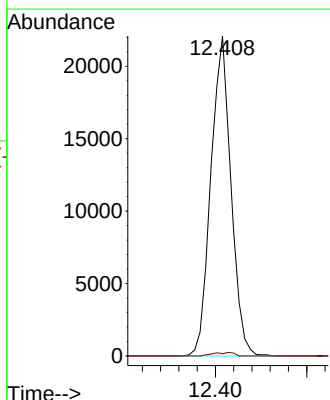
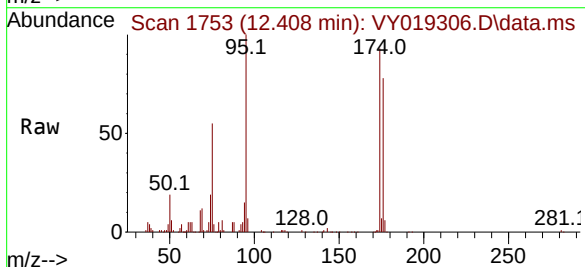
Acq: 28 Aug 2024 01:45

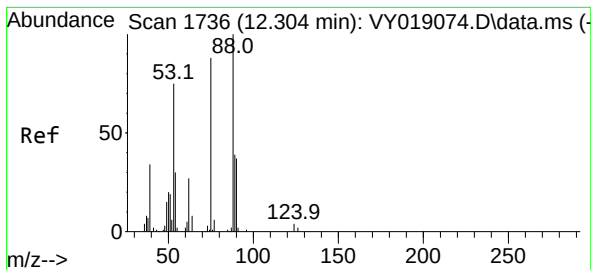
Tgt Ion: 75 Resp: 33708

Ion Ratio Lower Upper

75 100

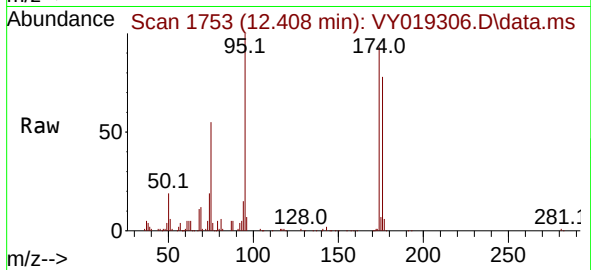
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.361 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019306.D
 Acq: 28 Aug 2024 01:45

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 33708
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.2 35.8 53.6#

