

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019198.D
 Acq On : 22 Aug 2024 04:33
 Operator : SY/MD
 Sample : P3671-04
 Misc : 4.93g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 06:29:25 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)

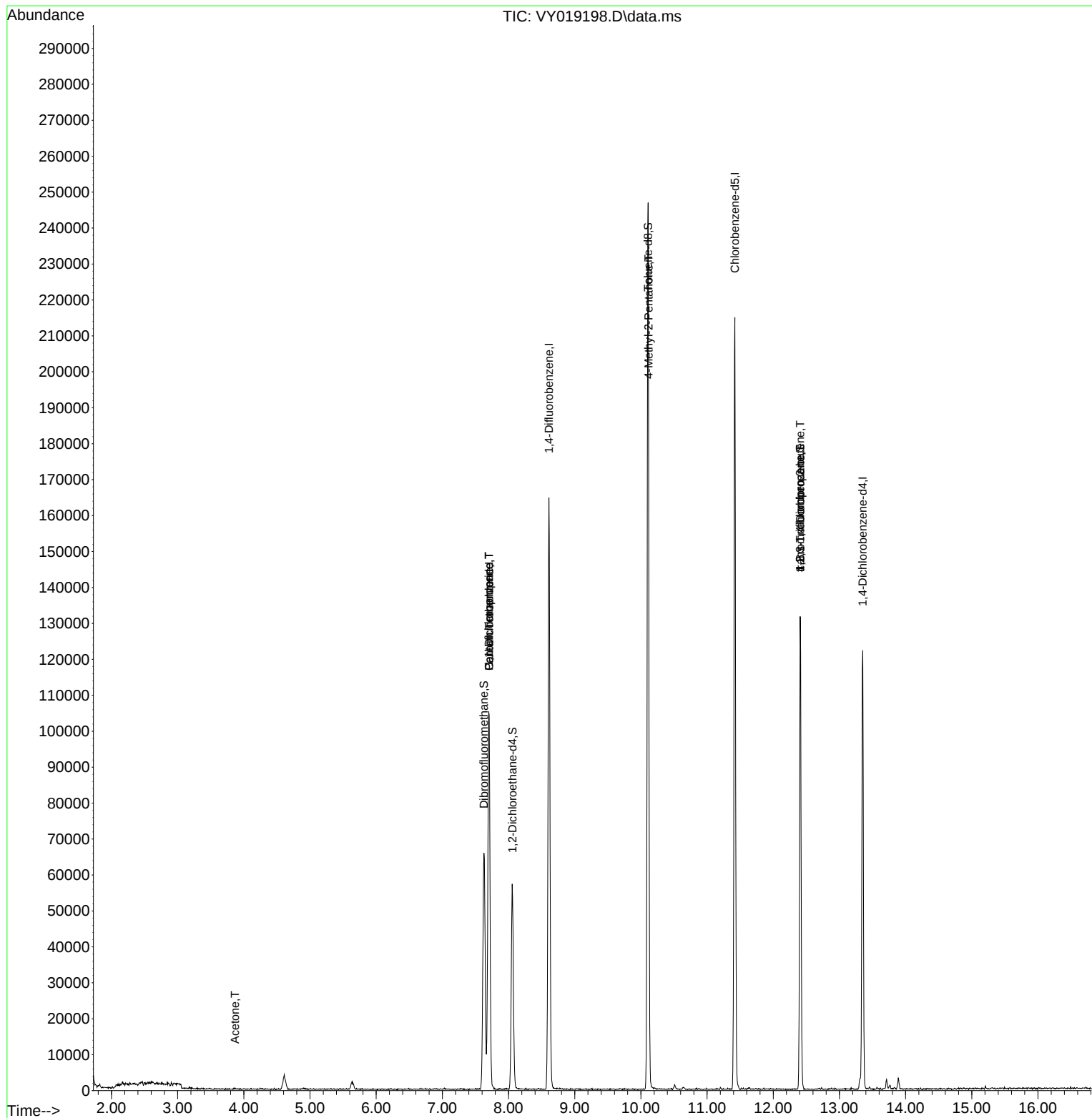
Internal Standards						
1) Pentafluorobenzene	7.707	168	82692	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.610	114	143091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	117154	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	31892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	42857	51.702	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.400%			
35) Dibromofluoromethane	7.628	113	47750	51.036	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.080%			
50) Toluene-d8	10.109	98	160644	47.712	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.420%			
62) 4-Bromofluorobenzene	12.408	95	39364	34.296	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 68.600%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.611	94	306	Below Cal	#	61
6) Chloroethane	2.812	64	21	Below Cal	#	42
16) Acetone	3.867	43	319	2.075	ug/l #	36
20) Methylene Chloride	4.610	84	2649	Below Cal		93
31) Cyclohexane	7.701	56	1769	Below Cal	#	46
36) 1,1-Dichloropropene	7.701	75	6136	4.776	ug/l #	50
38) Carbon Tetrachloride	7.707	117	7963	5.348	ug/l #	16
51) 4-Methyl-2-Pentanone	10.115	43	676	1.106	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	19746	62.783	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	19746	155.052	ug/l #	16

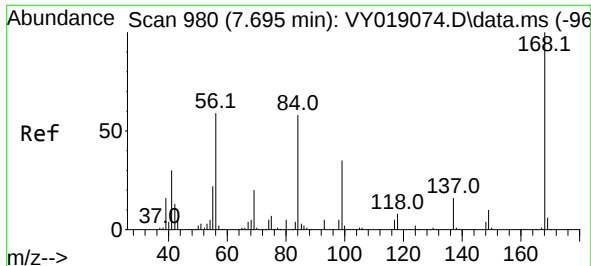
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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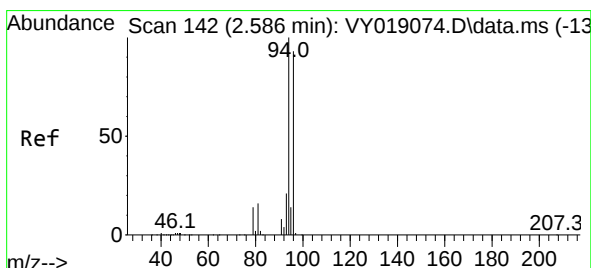
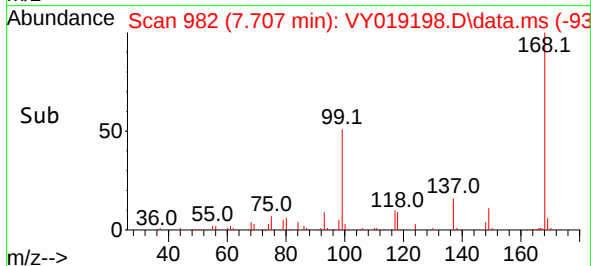
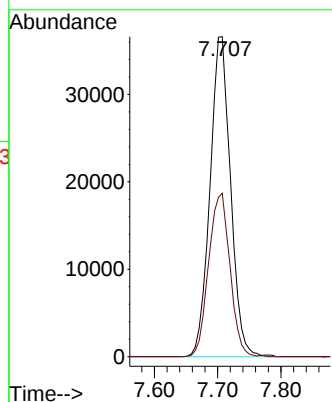
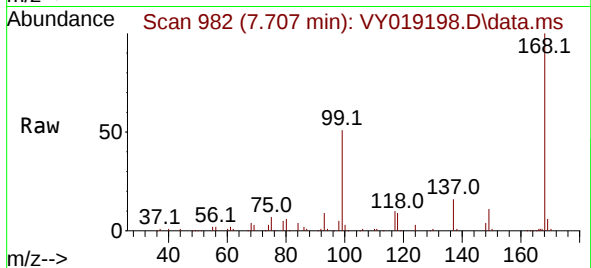




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019198.D
Acq: 22 Aug 2024 04:33

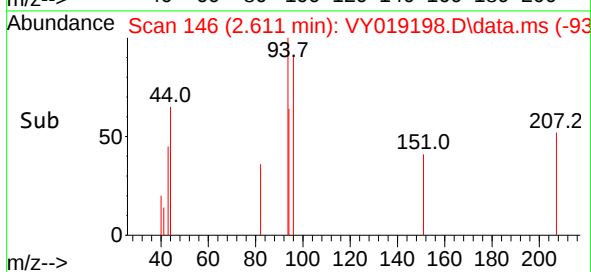
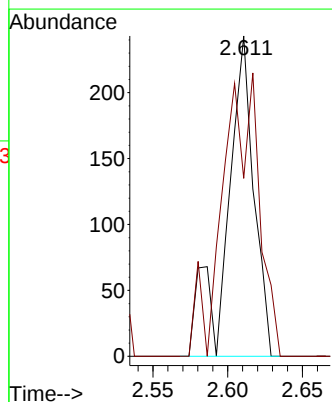
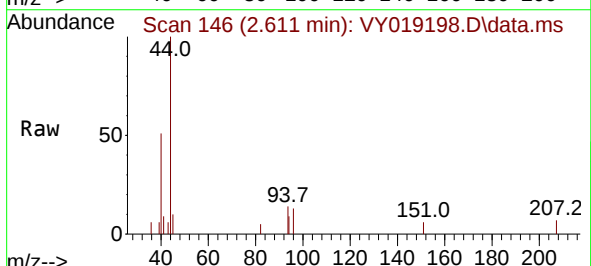
Instrument :
MSVOA_Y
ClientSampleId :

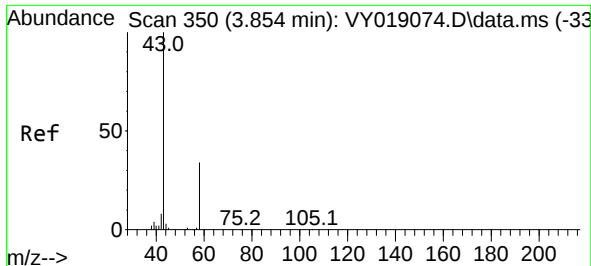
Tgt Ion:168 Resp: 82692
Ion Ratio Lower Upper
168 100
99 51.1 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.611 min Scan# 146
Delta R.T. 0.025 min
Lab File: VY019198.D
Acq: 22 Aug 2024 04:33

Tgt Ion: 94 Resp: 306
Ion Ratio Lower Upper
94 100
96 55.6 74.1 111.1#

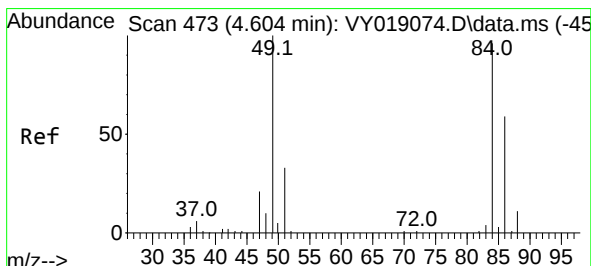
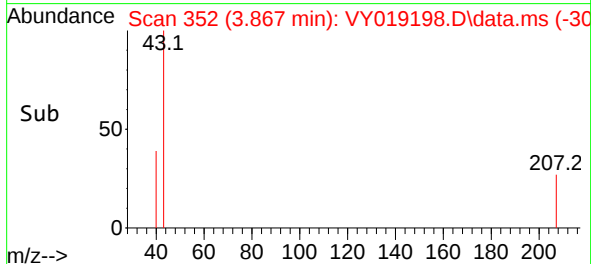
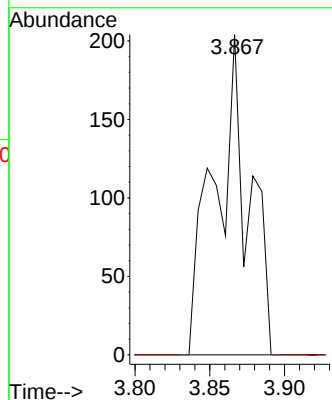
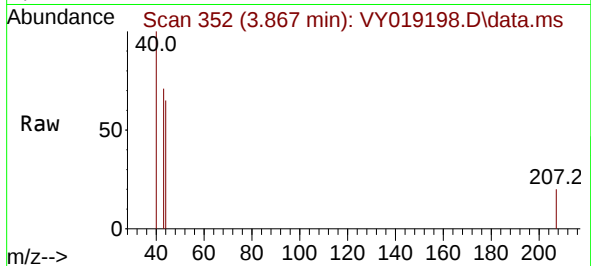




#16
Acetone
Concen: 2.075 ug/l
RT: 3.867 min Scan# 319
Delta R.T. 0.013 min
Lab File: VY019198.D
Acq: 22 Aug 2024 04:33

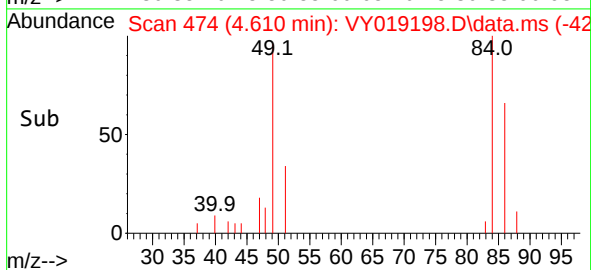
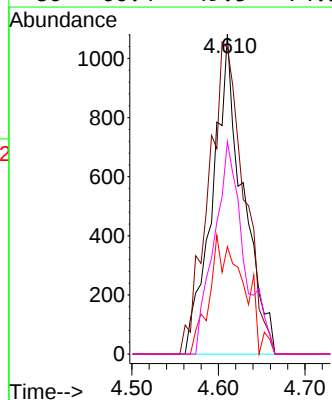
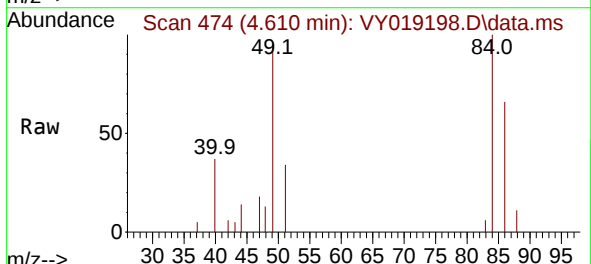
Instrument :
MSVOA_Y
ClientSampleId :

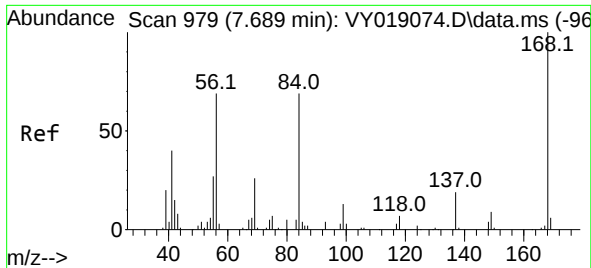
Tgt Ion: 43 Resp: 319
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY019198.D
Acq: 22 Aug 2024 04:33

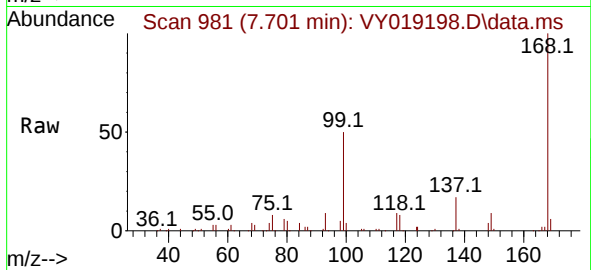
Tgt Ion: 84 Resp: 2649
Ion Ratio Lower Upper
84 100
49 95.7 84.4 126.6
51 33.5 26.0 39.0
86 66.4 49.5 74.3



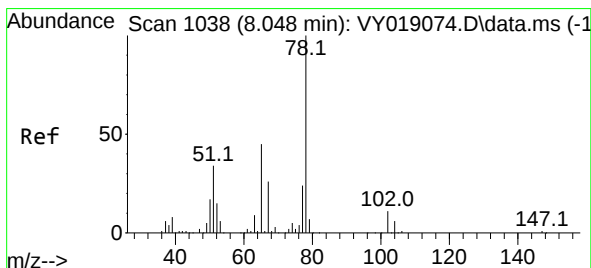
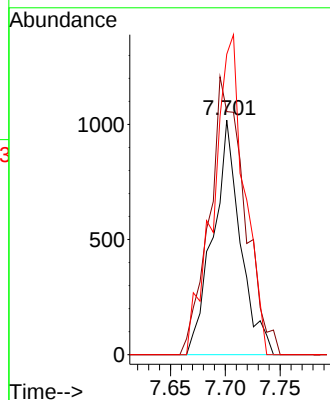
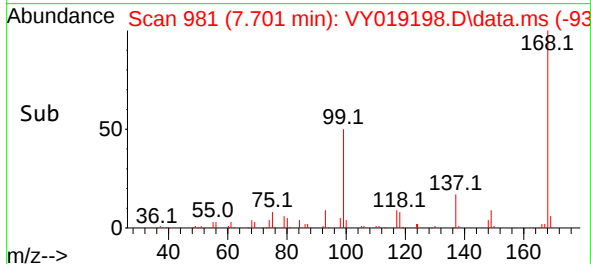


#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019198.D
Acq: 22 Aug 2024 04:33

Instrument :
MSVOA_Y
ClientSampleId :

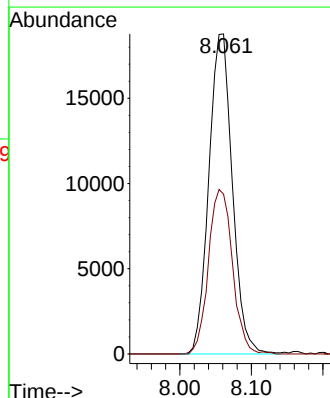
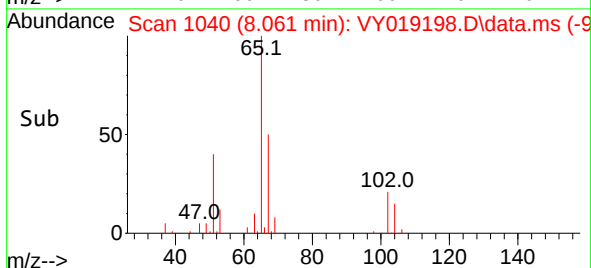
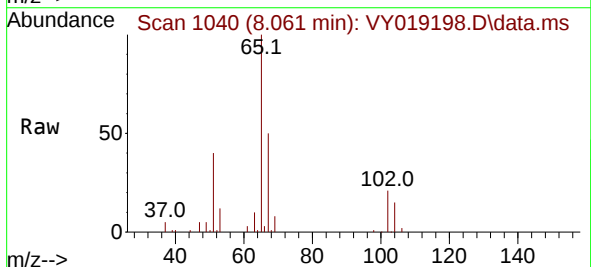


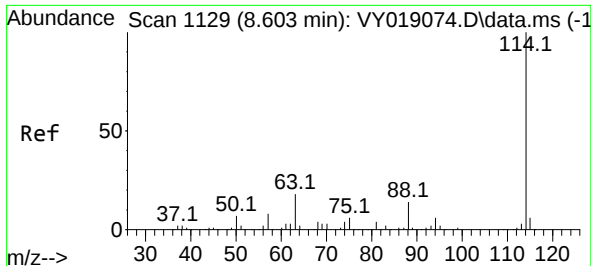
Tgt Ion: 56 Resp: 1769
Ion Ratio Lower Upper
56 100
69 103.6 28.7 43.1#
84 128.1 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 51.702 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.013 min
Lab File: VY019198.D
Acq: 22 Aug 2024 04:33

Tgt Ion: 65 Resp: 42857
Ion Ratio Lower Upper
65 100
67 52.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019198.D

Acq: 22 Aug 2024 04:33

Instrument :

MSVOA_Y

ClientSampleId :

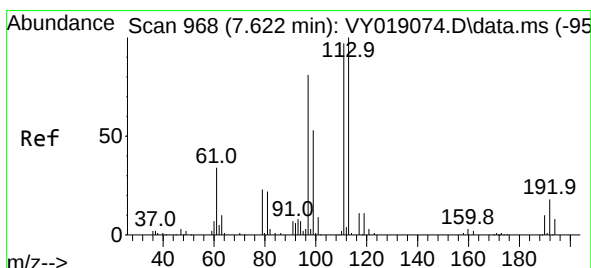
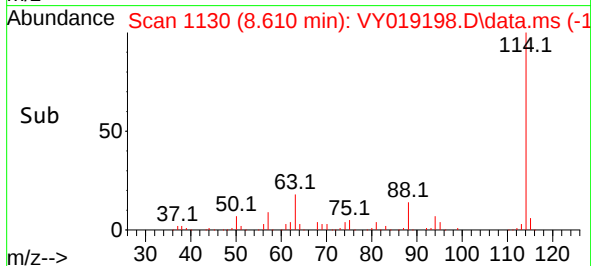
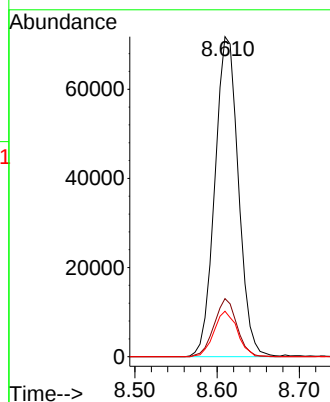
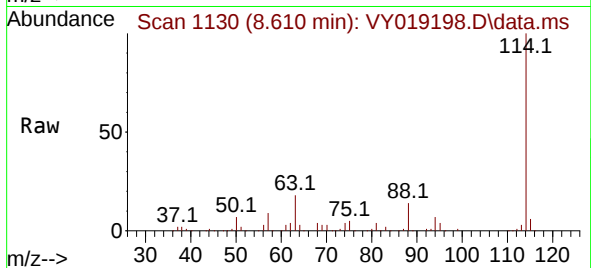
Tgt Ion:114 Resp: 143091

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

88 14.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.036 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019198.D

Acq: 22 Aug 2024 04:33

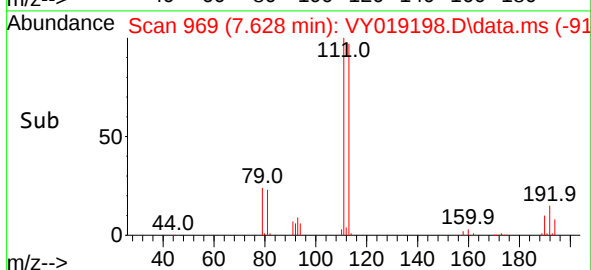
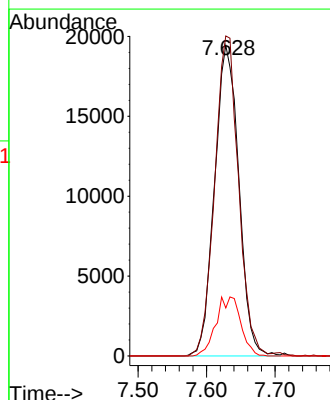
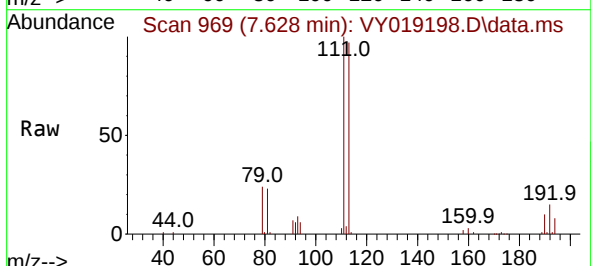
Tgt Ion:113 Resp: 47750

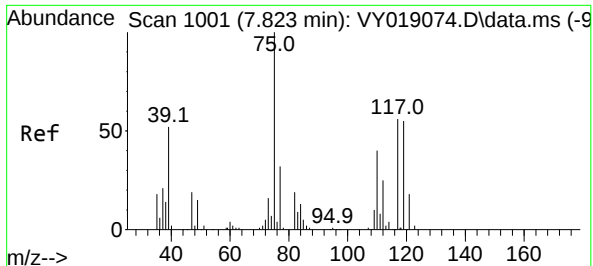
Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.4

192 19.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.776 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

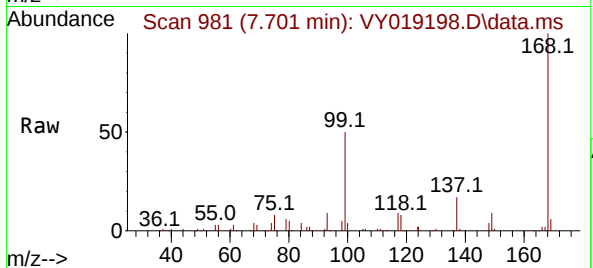
Lab File: VY019198.D

Acq: 22 Aug 2024 04:33

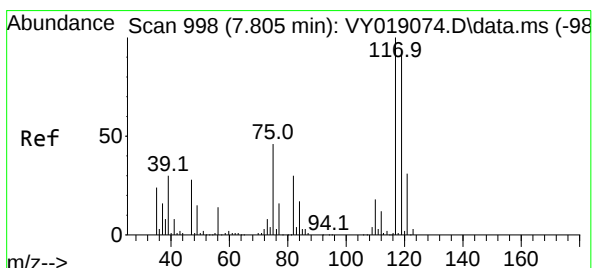
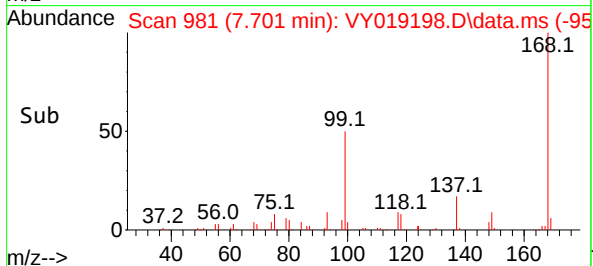
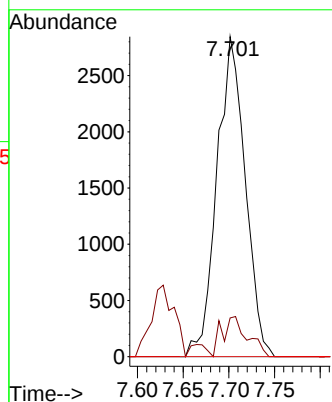
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 6136
Ion Ratio	Lower Upper
75 100	
110 11.3	19.0 57.0#
77 0.0	25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.348 ug/l

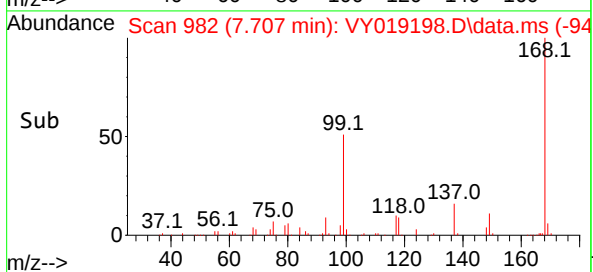
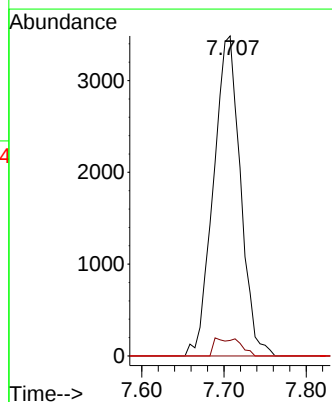
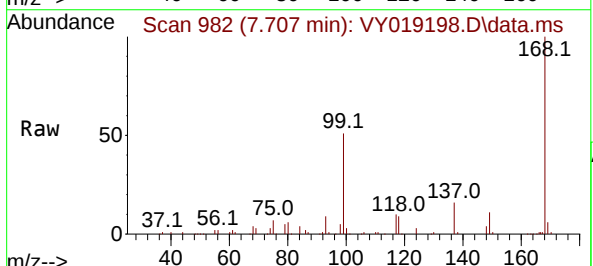
RT: 7.707 min Scan# 982

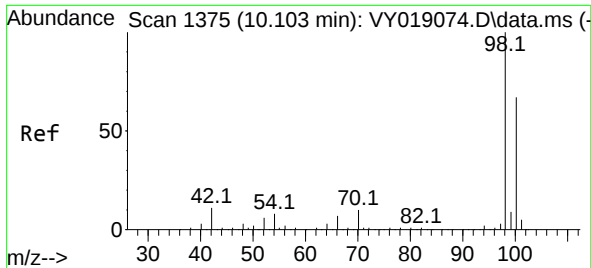
Delta R.T. -0.097 min

Lab File: VY019198.D

Acq: 22 Aug 2024 04:33

Tgt Ion: 117	Resp: 7963
Ion Ratio	Lower Upper
117 100	
119 4.8	75.8 113.6#
121 0.0	24.0 36.0#

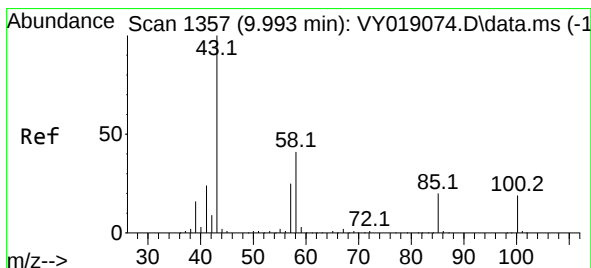
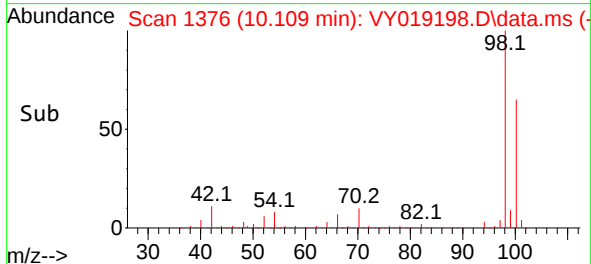
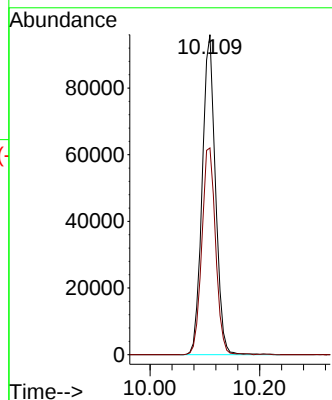
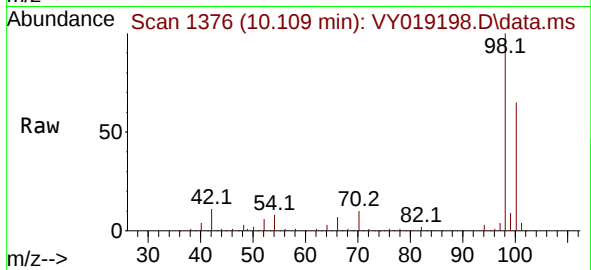




#50
Toluene-d8
Concen: 47.712 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019198.D
Acq: 22 Aug 2024 04:33

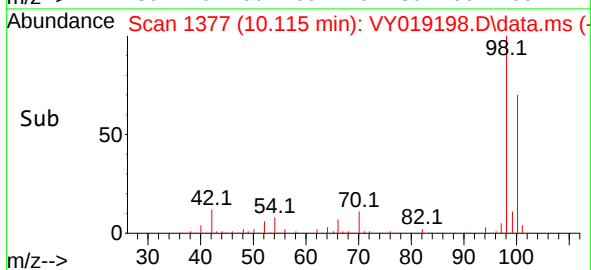
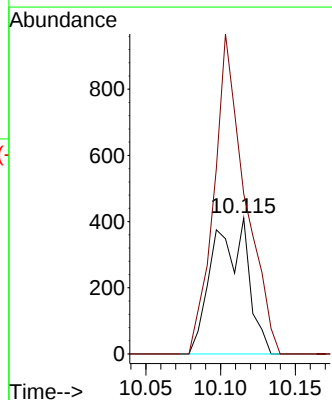
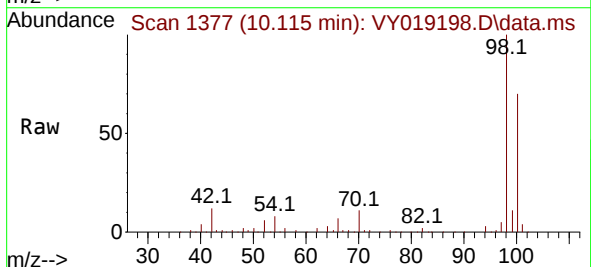
Instrument :
MSVOA_Y
ClientSampleId :

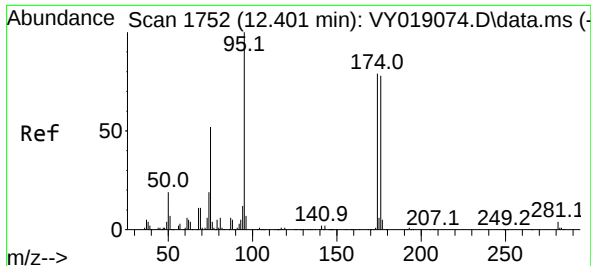
Tgt Ion: 98 Resp: 160644
Ion Ratio Lower Upper
98 100
100 67.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.106 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.122 min
Lab File: VY019198.D
Acq: 22 Aug 2024 04:33

Tgt Ion: 43 Resp: 676
Ion Ratio Lower Upper
43 100
58 207.0 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 34.296 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY019198.D

Acq: 22 Aug 2024 04:33

Instrument :

MSVOA_Y

ClientSampleId :

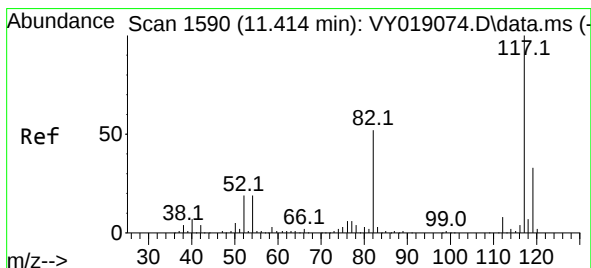
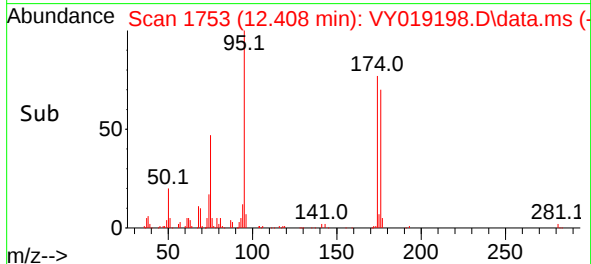
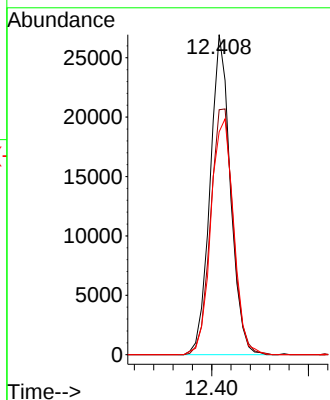
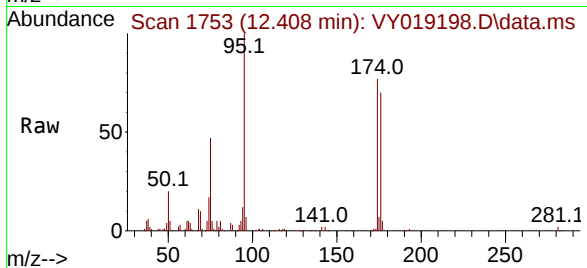
Tgt Ion: 95 Resp: 39364

Ion Ratio Lower Upper

95 100

174 84.9 0.0 175.6

176 82.5 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY019198.D

Acq: 22 Aug 2024 04:33

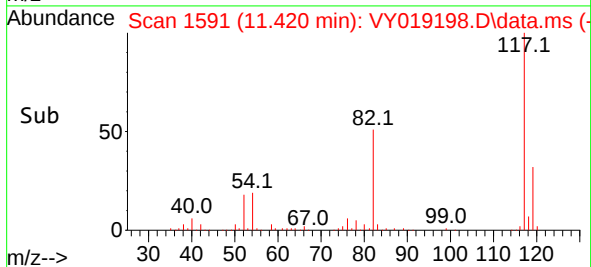
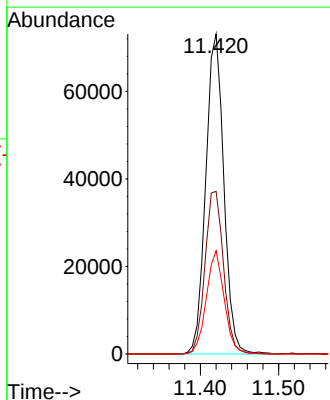
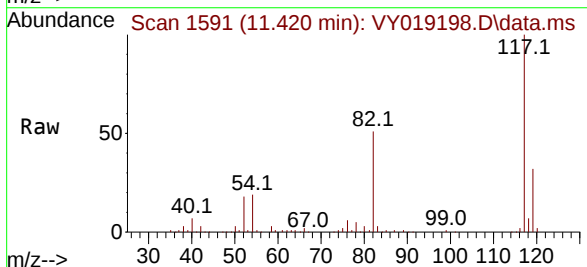
Tgt Ion: 117 Resp: 117154

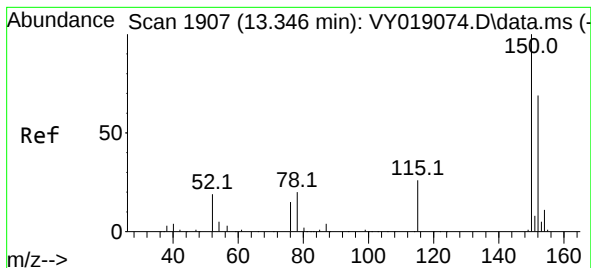
Ion Ratio Lower Upper

117 100

82 50.8 42.4 63.6

119 32.2 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: VY019198.D

Acq: 22 Aug 2024 04:33

Instrument :

MSVOA_Y

ClientSampleId :

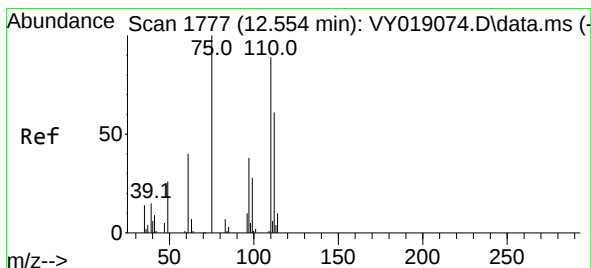
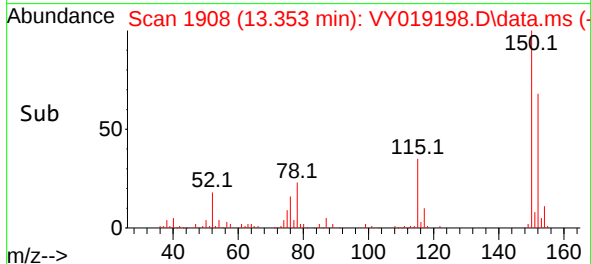
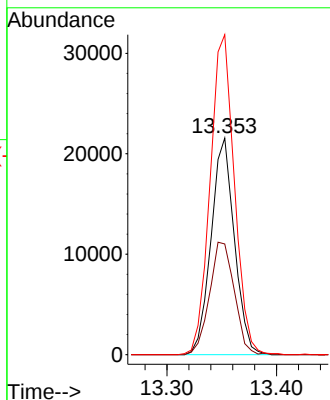
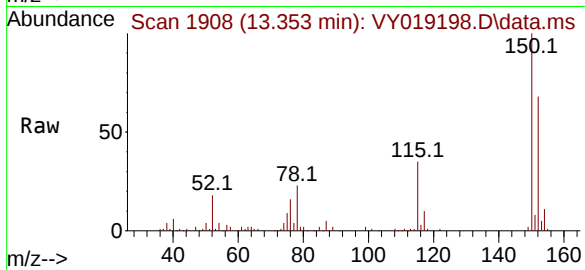
Tgt Ion:152 Resp: 31892

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.7

150 153.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 62.783 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019198.D

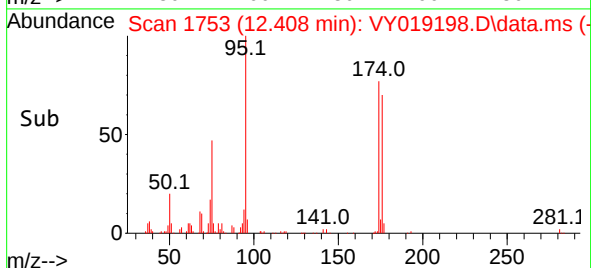
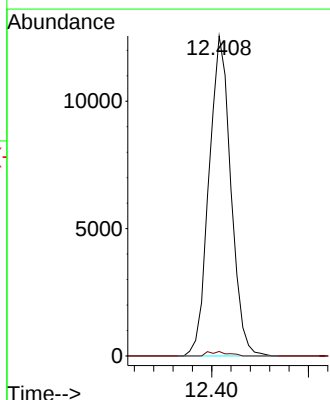
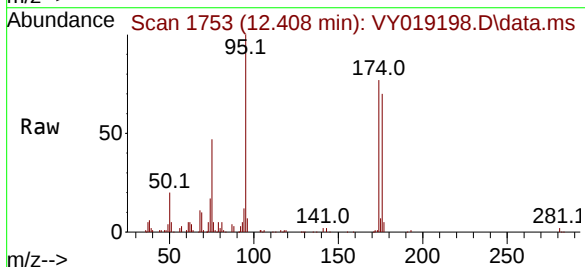
Acq: 22 Aug 2024 04:33

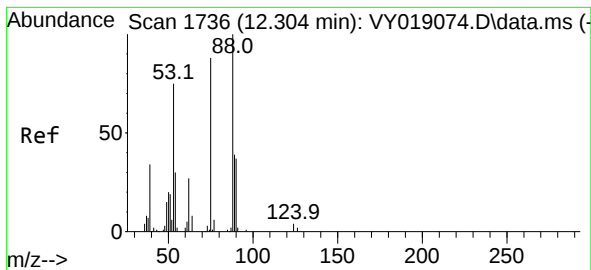
Tgt Ion: 75 Resp: 19746

Ion Ratio Lower Upper

75 100

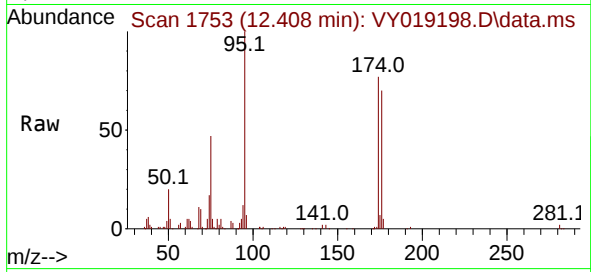
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.052 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019198.D
 Acq: 22 Aug 2024 04:33

Instrument :
 MSVOA_Y
 ClientSampleId :



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

