

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083024\
 Data File : VY019400.D
 Acq On : 30 Aug 2024 17:00
 Operator : SY/MD
 Sample : P3732-01
 Misc : 7.80g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 30 23:17:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082924S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 02:45:30 2024
 Response via : Initial Calibration

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

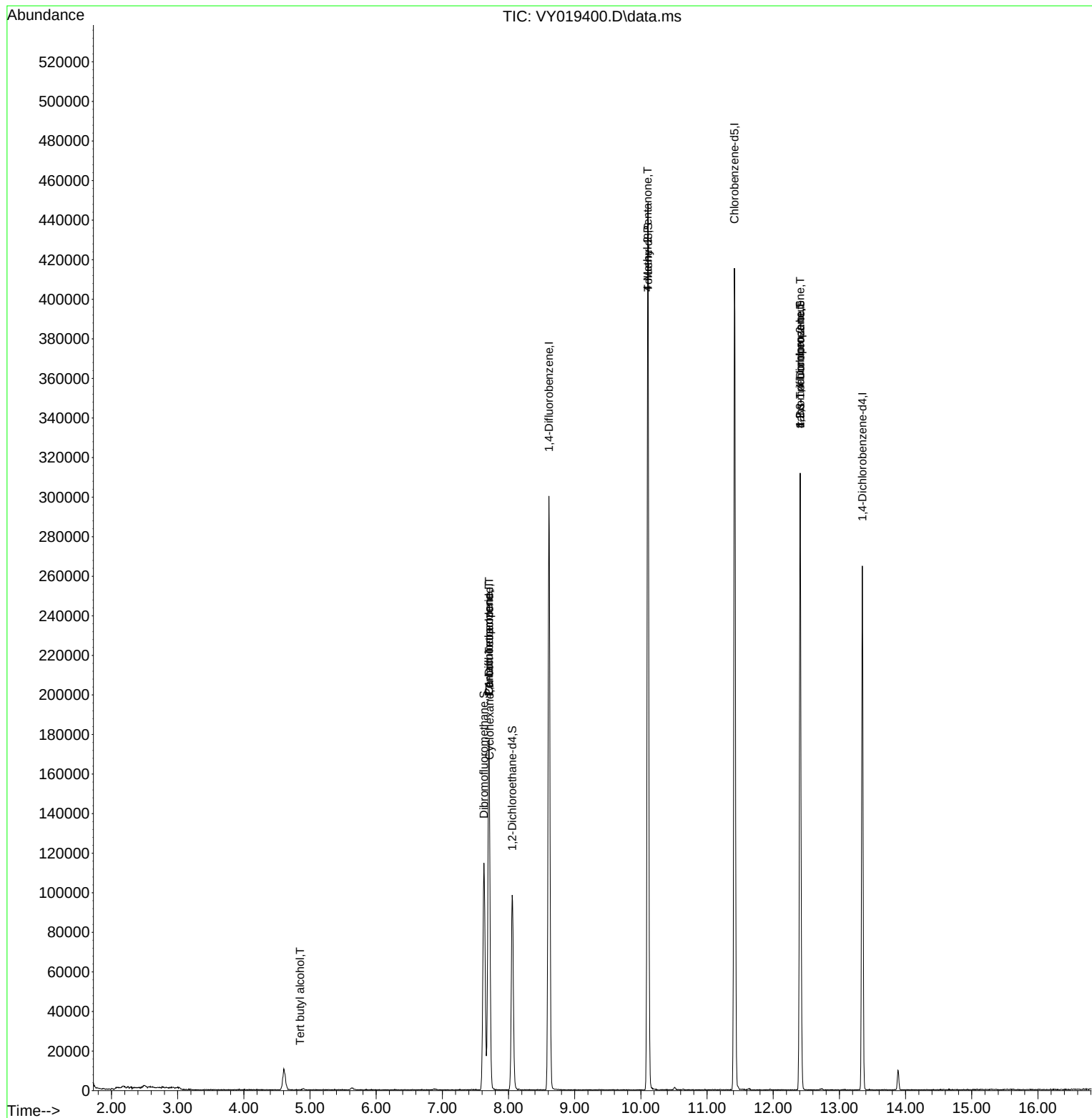
Internal Standards						
1) Pentafluorobenzene	7.701	168	140643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	258987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	226082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	64068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	79233	59.478	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.960%
35) Dibromofluoromethane	7.628	113	79545	48.580	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.160%
50) Toluene-d8	10.109	98	285721	47.402	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.800%
62) 4-Bromofluorobenzene	12.408	95	86263	44.247	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	88.500%
Target Compounds						
					Qvalue	
5) Bromomethane	2.605	94	70	Below Cal		92
11) Tert butyl alcohol	4.848	59	98	1.305 ug/l	#	88
20) Methylene Chloride	4.604	84	7321	Below Cal		94
31) Cyclohexane	7.713	56	3033	1.339 ug/l	#	61
36) 1,1-Dichloropropene	7.701	75	10554	4.561 ug/l	#	49
38) Carbon Tetrachloride	7.707	117	13966	4.952 ug/l	#	17
51) 4-Methyl-2-Pentanone	10.103	43	1405	1.501 ug/l	#	1
76) 1,2,3-Trichloropropane	12.408	75	46435	82.530 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.408	75	46435	204.185 ug/l	#	16

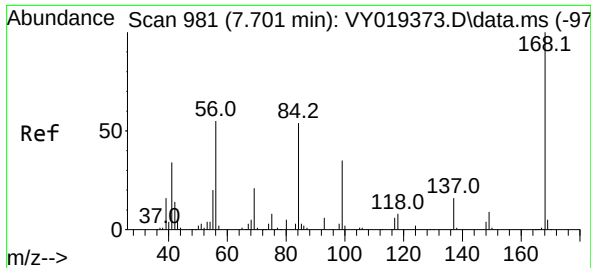
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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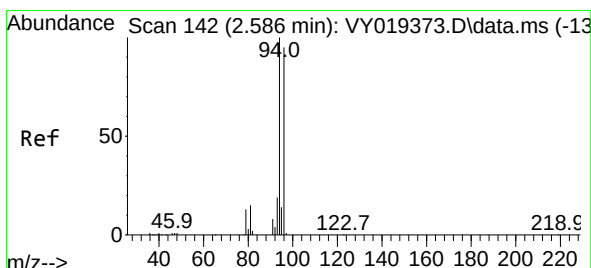
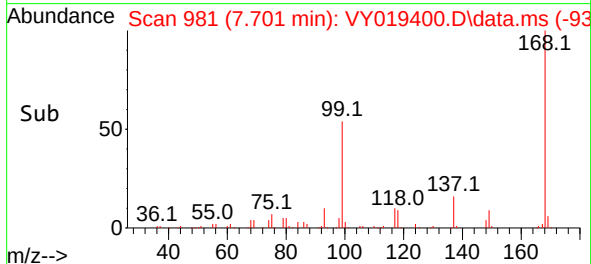
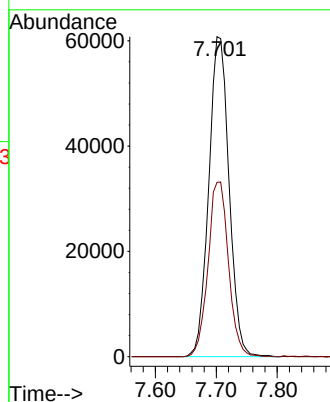
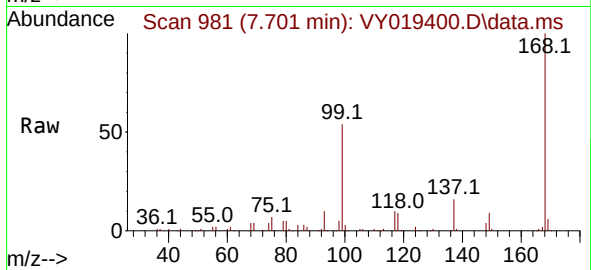




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019400.D
Acq: 30 Aug 2024 17:00

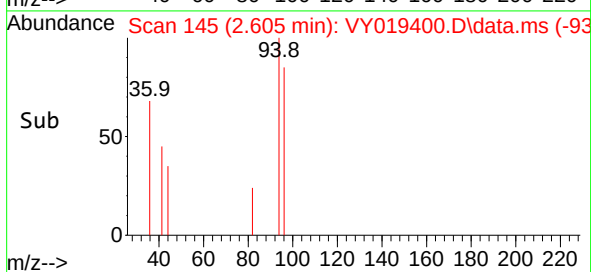
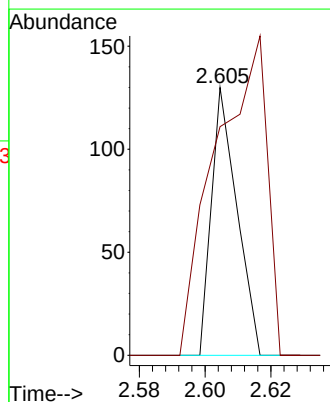
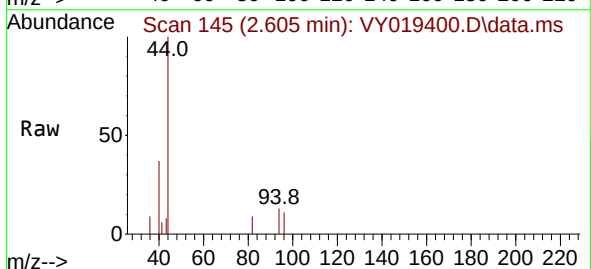
Instrument :
MSVOA_Y
ClientSampleId :

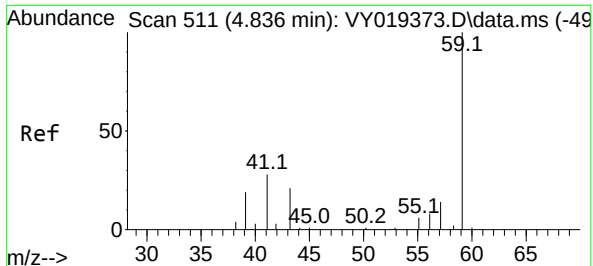
Tgt Ion:168 Resp: 140643
Ion Ratio Lower Upper
168 100
99 54.4 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.605 min Scan# 145
Delta R.T. 0.019 min
Lab File: VY019400.D
Acq: 30 Aug 2024 17:00

Tgt Ion: 94 Resp: 70
Ion Ratio Lower Upper
94 100
96 85.4 74.1 111.1





#11

Tert butyl alcohol

Concen: 1.305 ug/l

RT: 4.848 min Scan# 511

Delta R.T. 0.012 min

Lab File: VY019400.D

Acq: 30 Aug 2024 17:00

Instrument :

MSVOA_Y

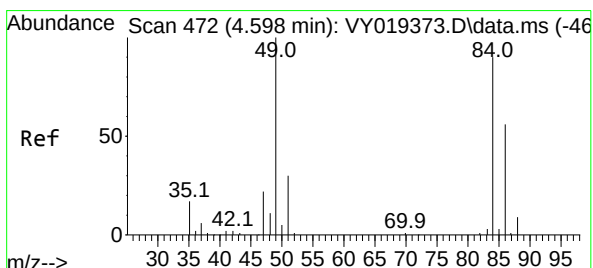
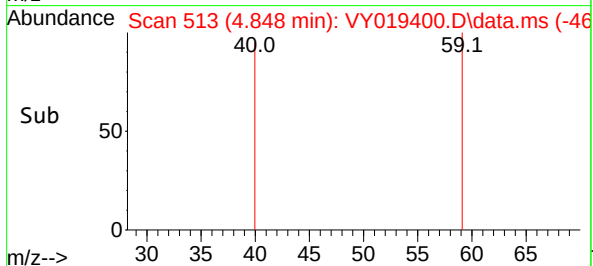
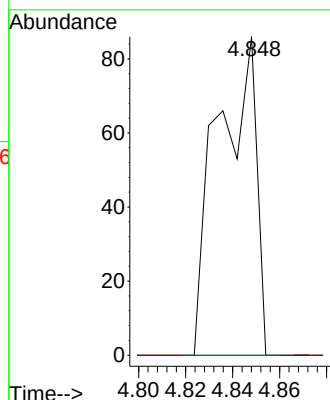
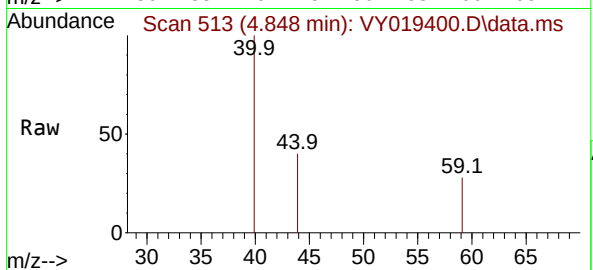
ClientSampleId :

Tgt Ion: 59 Resp: 98

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.604 min Scan# 473

Delta R.T. 0.006 min

Lab File: VY019400.D

Acq: 30 Aug 2024 17:00

Tgt Ion: 84 Resp: 7321

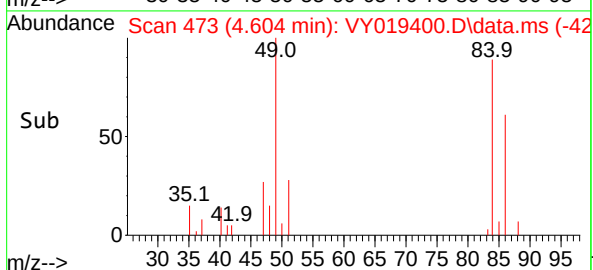
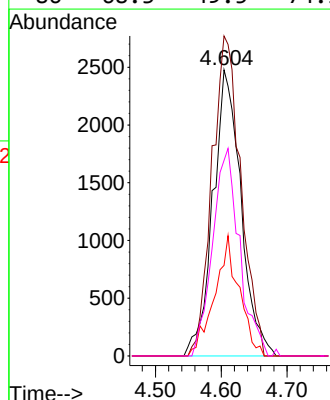
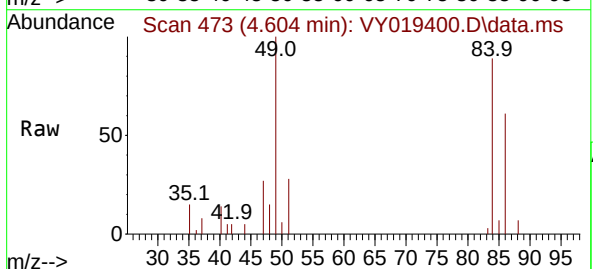
Ion Ratio Lower Upper

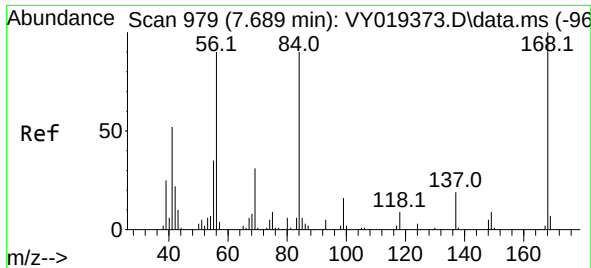
84 100

49 111.8 84.4 126.6

51 31.7 26.0 39.0

86 68.3 49.5 74.3

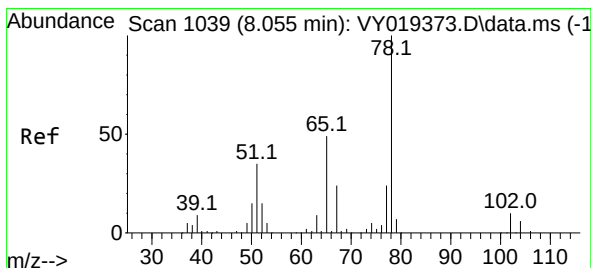
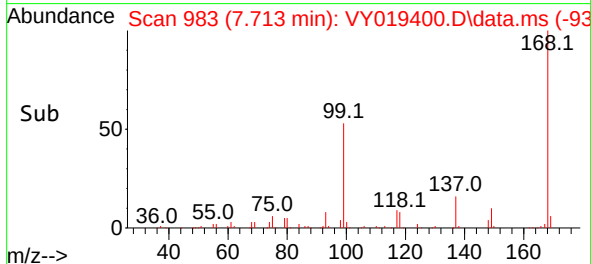
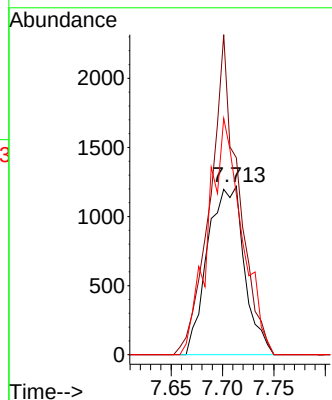
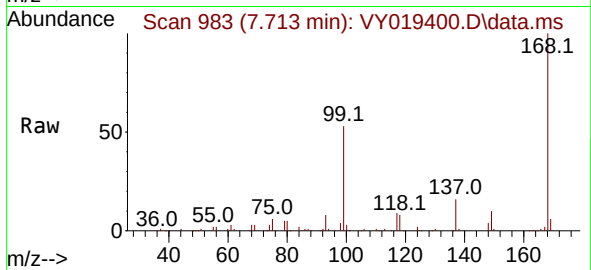




#31
Cyclohexane
Concen: 1.339 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.024 min
Lab File: VY019400.D
Acq: 30 Aug 2024 17:00

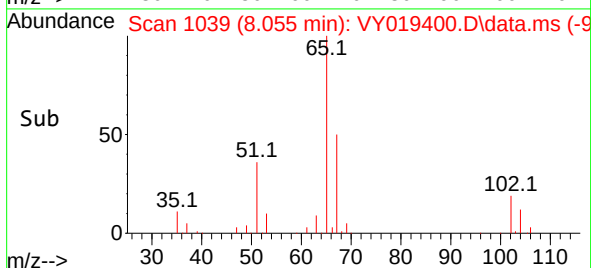
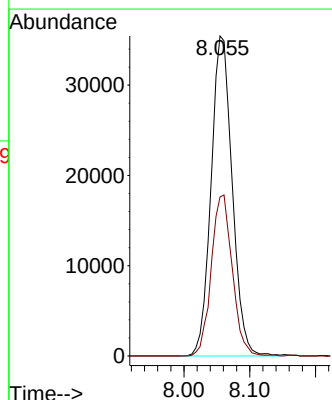
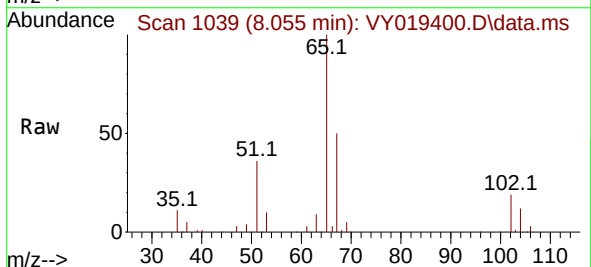
Instrument :
MSVOA_Y
ClientSampleId :

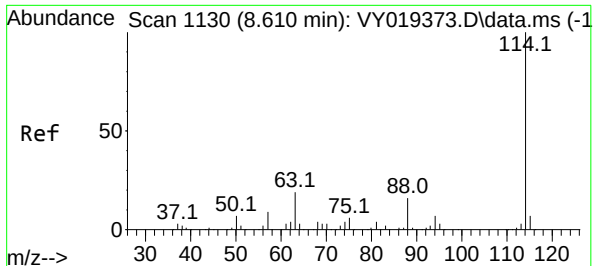
Tgt Ion: 56 Resp: 3033
Ion Ratio Lower Upper
56 100
69 117.0 28.7 43.1#
84 95.4 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 59.478 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY019400.D
Acq: 30 Aug 2024 17:00

Tgt Ion: 65 Resp: 79233
Ion Ratio Lower Upper
65 100
67 50.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY019400.D

Acq: 30 Aug 2024 17:00

Instrument :

MSVOA_Y

ClientSampleId :

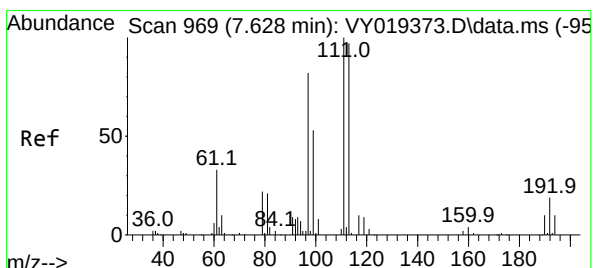
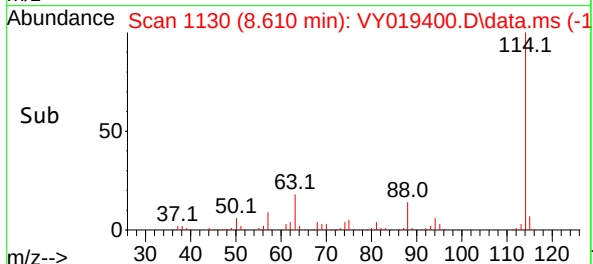
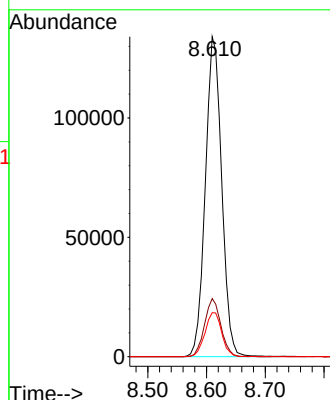
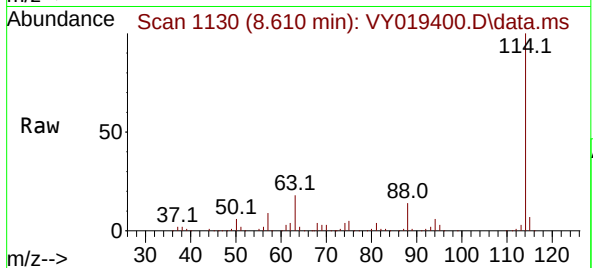
Tgt Ion:114 Resp: 258987

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

88 13.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.580 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY019400.D

Acq: 30 Aug 2024 17:00

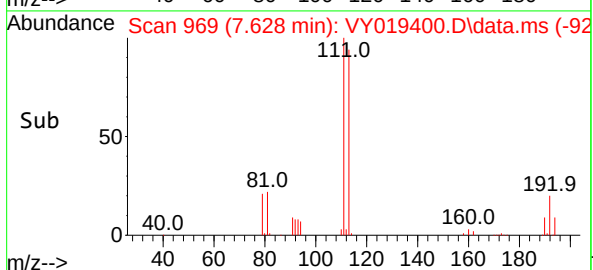
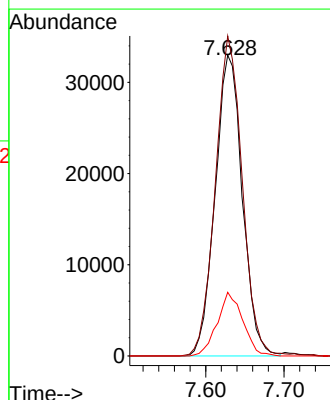
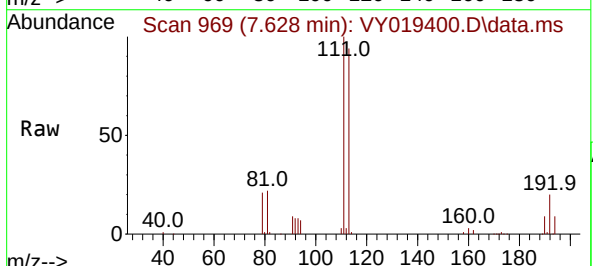
Tgt Ion:113 Resp: 79545

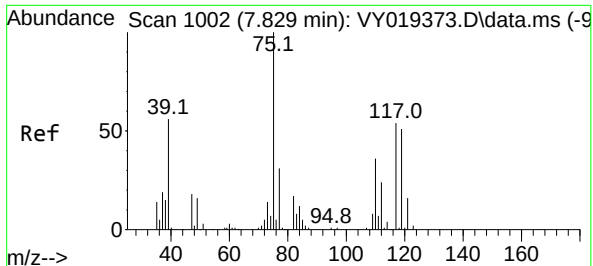
Ion Ratio Lower Upper

113 100

111 105.6 82.2 123.4

192 20.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.561 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.128 min

Lab File: VY019400.D

Acq: 30 Aug 2024 17:00

Instrument :

MSVOA_Y

ClientSampleId :

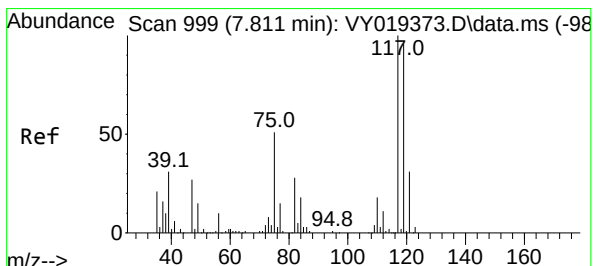
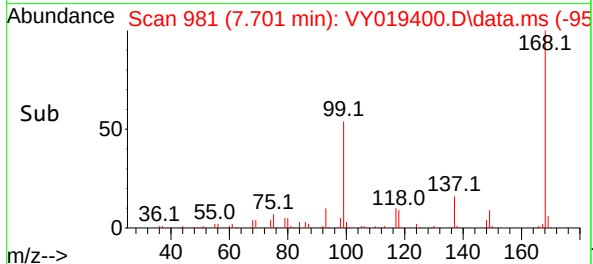
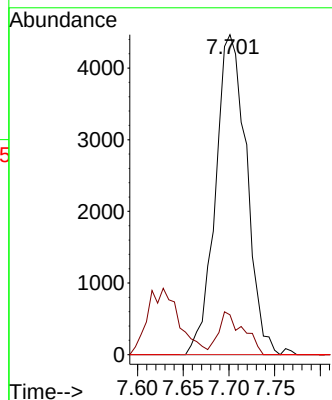
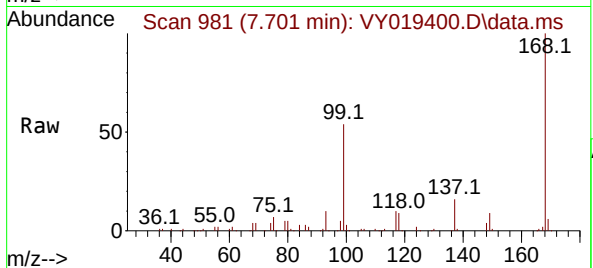
Tgt Ion: 75 Resp: 10554

Ion Ratio Lower Upper

75 100

110 10.7 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 4.952 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.104 min

Lab File: VY019400.D

Acq: 30 Aug 2024 17:00

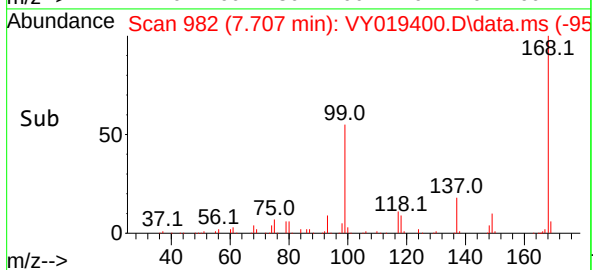
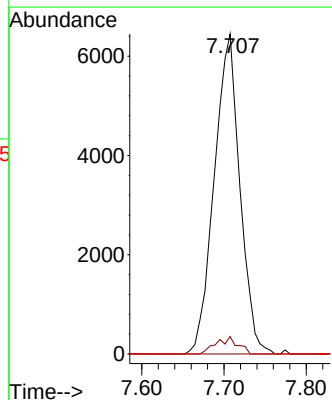
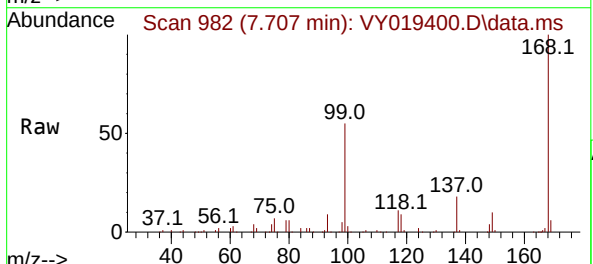
Tgt Ion: 117 Resp: 13966

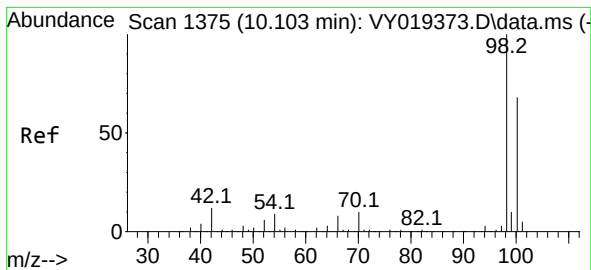
Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 47.402 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY019400.D

Acq: 30 Aug 2024 17:00

Instrument :

MSVOA_Y

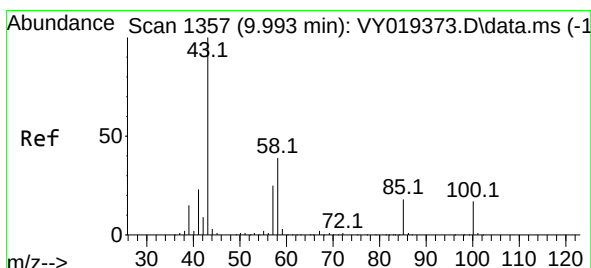
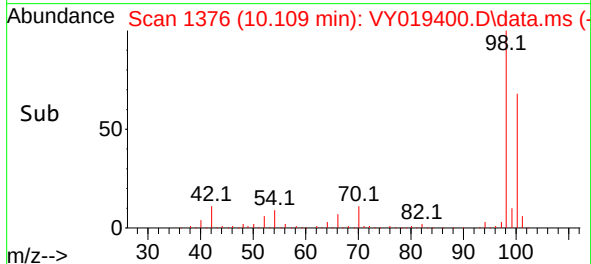
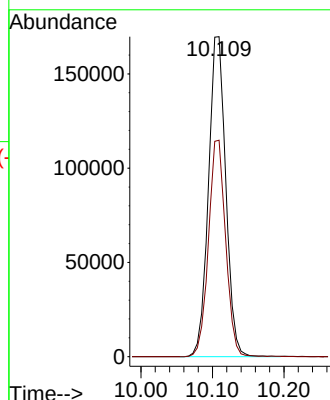
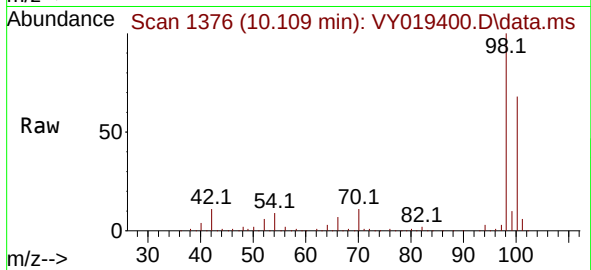
ClientSampleId :

Tgt Ion: 98 Resp: 285721

Ion Ratio Lower Upper

98 100

100 67.0 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.501 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.110 min

Lab File: VY019400.D

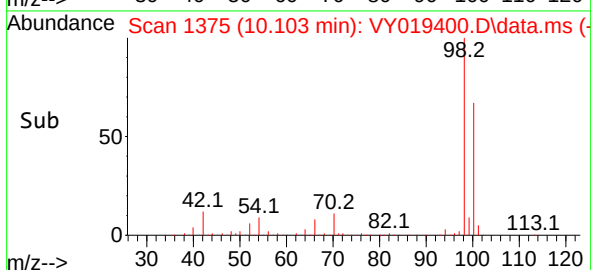
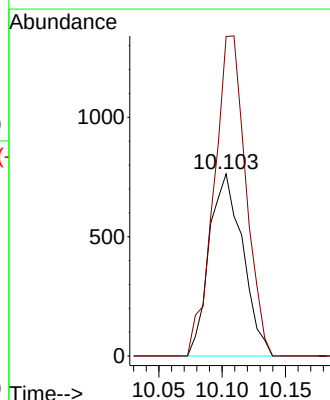
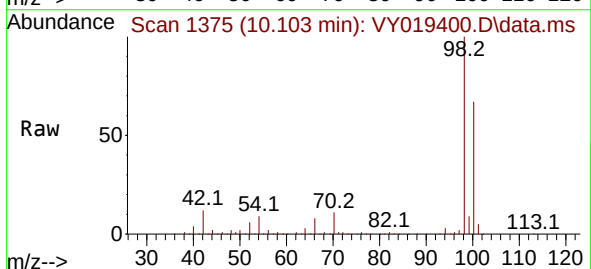
Acq: 30 Aug 2024 17:00

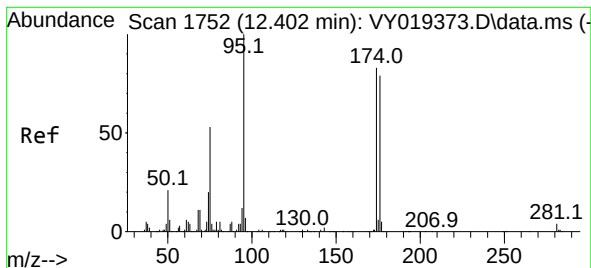
Tgt Ion: 43 Resp: 1405

Ion Ratio Lower Upper

43 100

58 166.8 35.7 53.5#

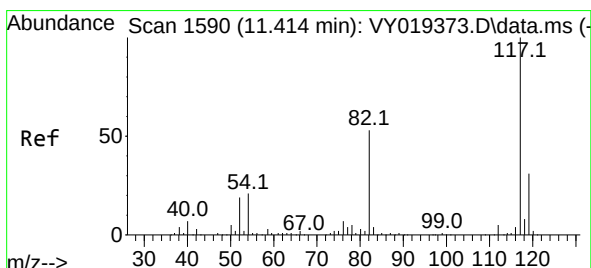
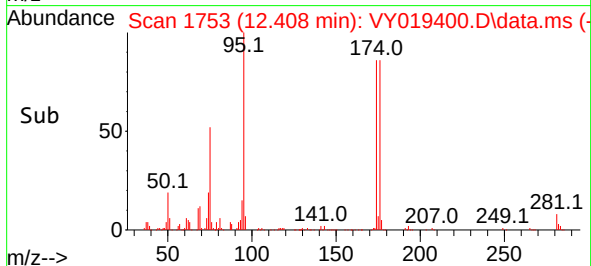
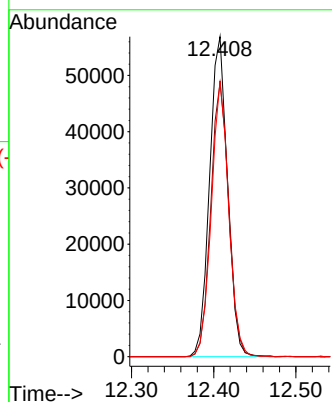
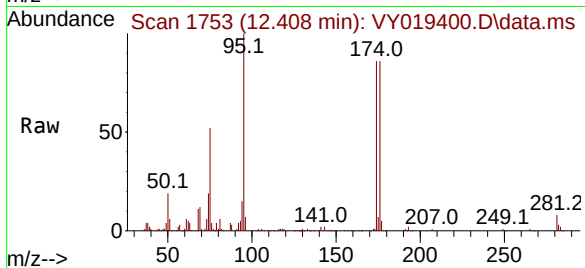




#62
4-Bromofluorobenzene
Concen: 44.247 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019400.D
Acq: 30 Aug 2024 17:00

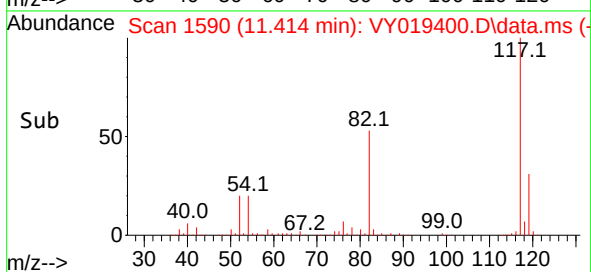
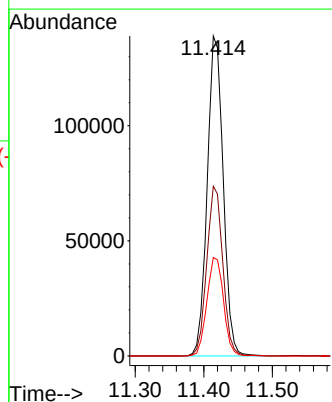
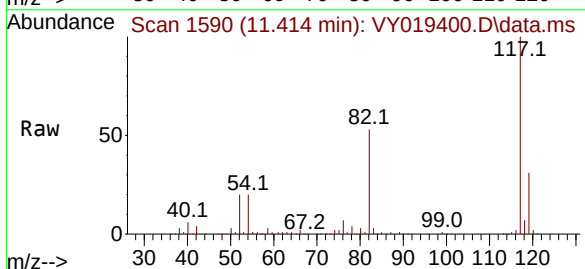
Instrument :
MSVOA_Y
ClientSampleId :

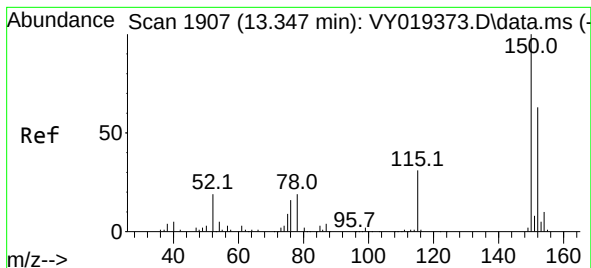
Tgt Ion: 95 Resp: 86263
Ion Ratio Lower Upper
95 100
174 86.1 0.0 175.6
176 83.3 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY019400.D
Acq: 30 Aug 2024 17:00

Tgt Ion: 117 Resp: 226082
Ion Ratio Lower Upper
117 100
82 53.1 42.4 63.6
119 30.7 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: VY019400.D

Acq: 30 Aug 2024 17:00

Instrument :

MSVOA_Y

ClientSampleId :

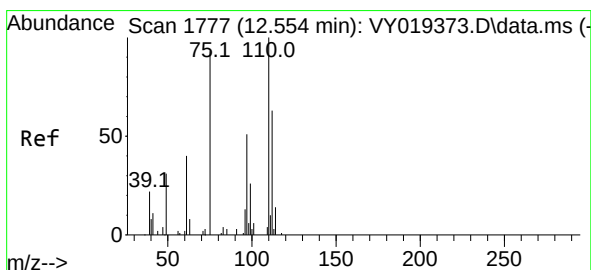
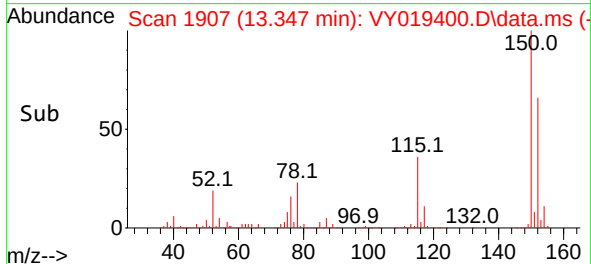
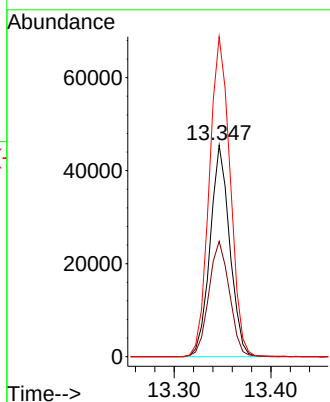
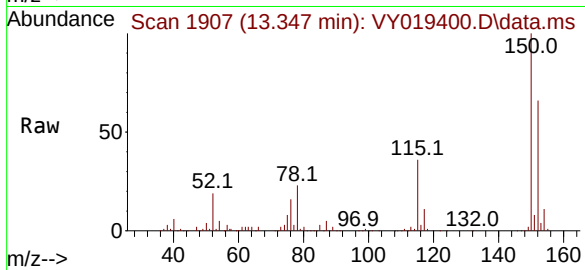
Tgt Ion:152 Resp: 64068

Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.7

150 160.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 82.530 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019400.D

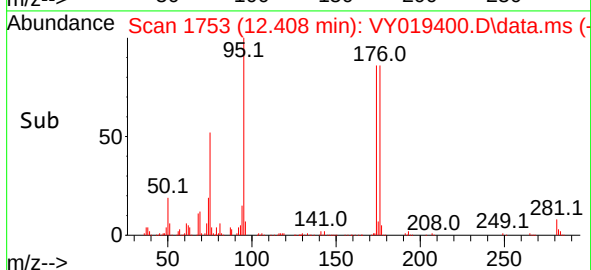
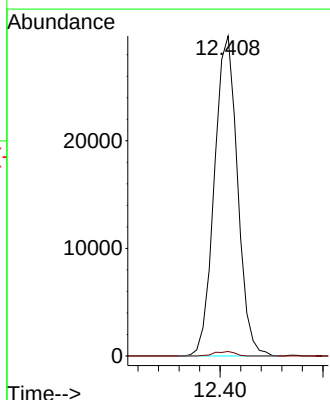
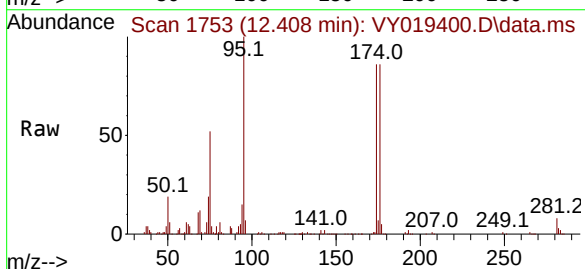
Acq: 30 Aug 2024 17:00

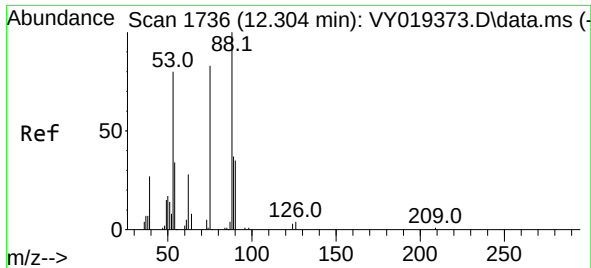
Tgt Ion: 75 Resp: 46435

Ion Ratio Lower Upper

75 100

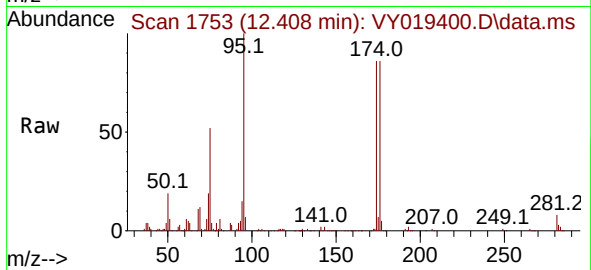
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 204.185 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019400.D
 Acq: 30 Aug 2024 17:00

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 46435
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.3 35.8 53.6#

