

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082224\
 Data File : VY019215.D
 Acq On : 22 Aug 2024 13:07
 Operator : SY/MD
 Sample : P3685-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 23 01:51:41 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	99239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	173692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	154993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	54085	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	47405	47.653	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.300%
35) Dibromofluoromethane	7.622	113	53726	47.306	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.620%
50) Toluene-d8	10.103	98	196423	48.060	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.120%
62) 4-Bromofluorobenzene	12.408	95	55926	40.141	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	80.280%

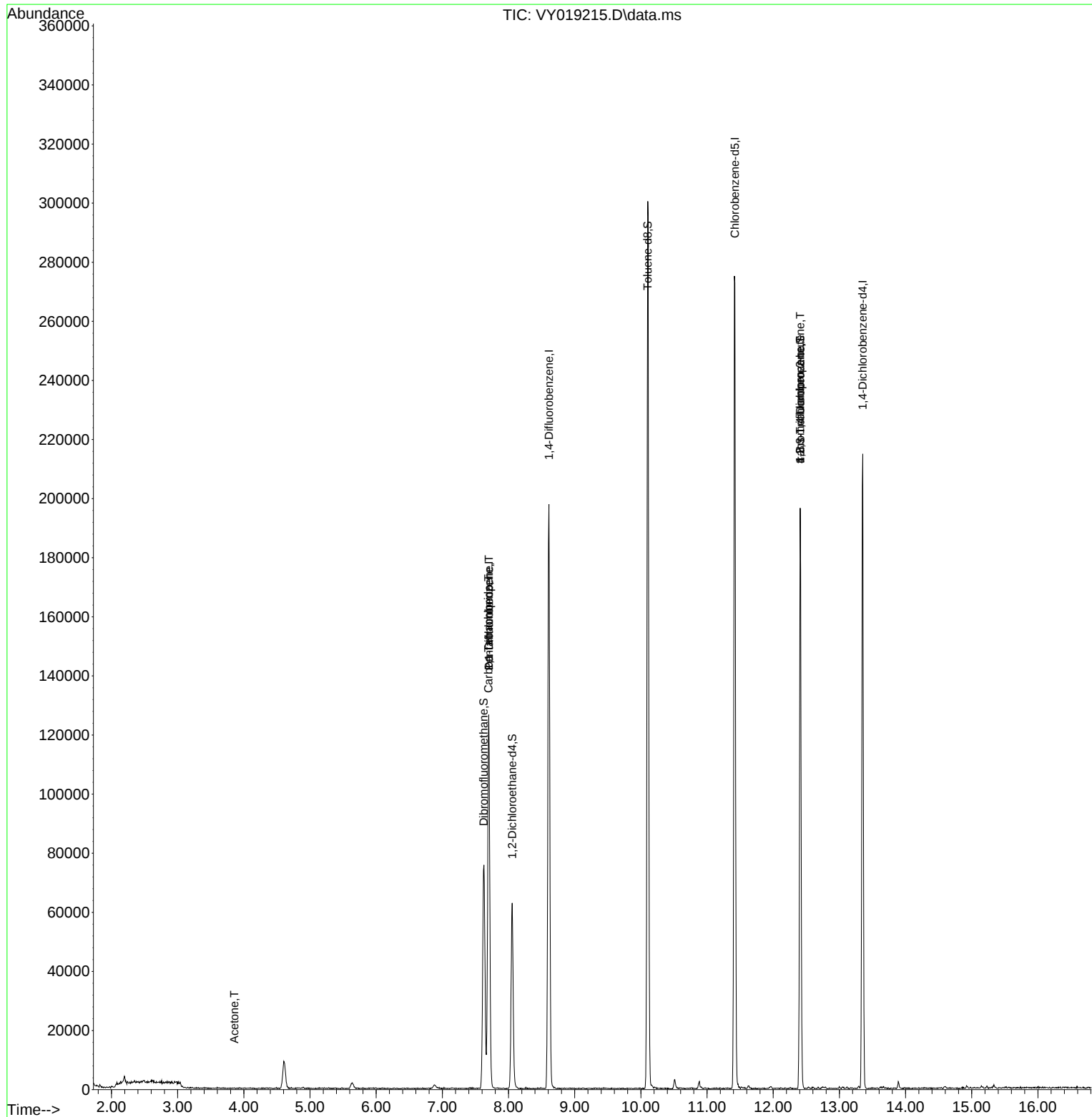
Target Compounds			Qvalue			
5) Bromomethane	2.611	94	527	Below Cal		86
6) Chloroethane	2.739	64	25	Below Cal	#	42
11) Tert butyl alcohol	4.836	59	26	Below Cal	#	88
16) Acetone	3.854	43	188	1.019 ug/l	#	36
20) Methylene Chloride	4.604	84	6731	Below Cal		95
31) Cyclohexane	7.701	56	1936	Below Cal	#	11
36) 1,1-Dichloropropene	7.701	75	7104	4.555 ug/l	#	49
38) Carbon Tetrachloride	7.695	117	9656	5.343 ug/l	#	17
76) 1,2,3-Trichloropropane	12.408	75	30360	56.920 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.408	75	30360	140.574 ug/l	#	16

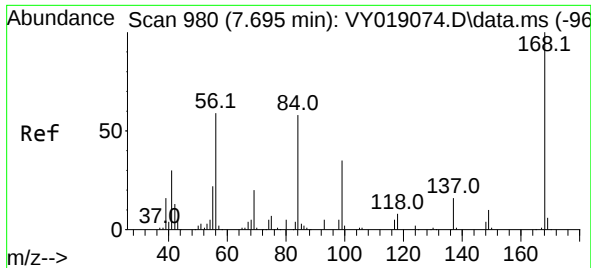
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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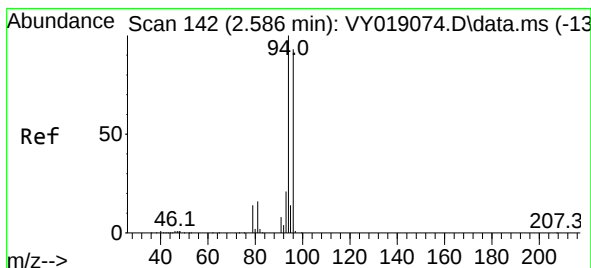
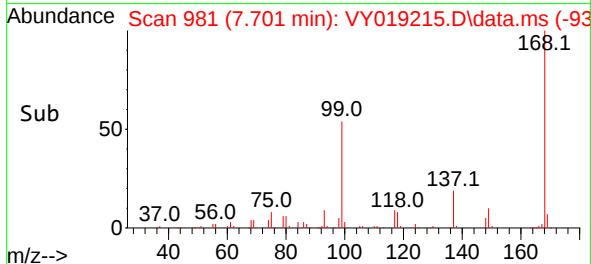
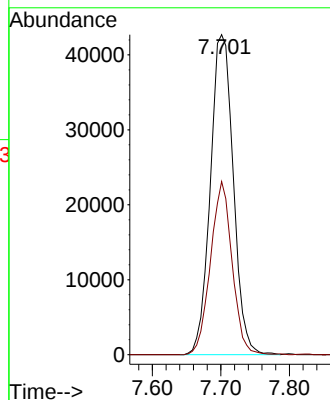
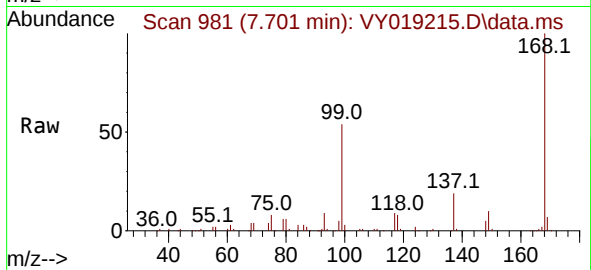




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019215.D
Acq: 22 Aug 2024 13:07

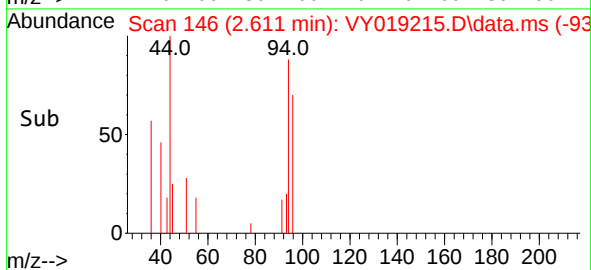
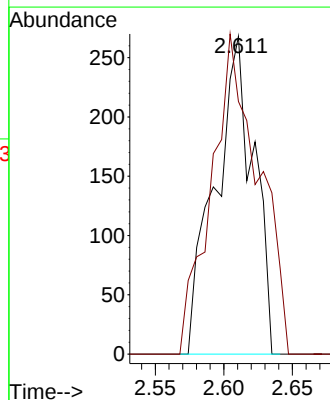
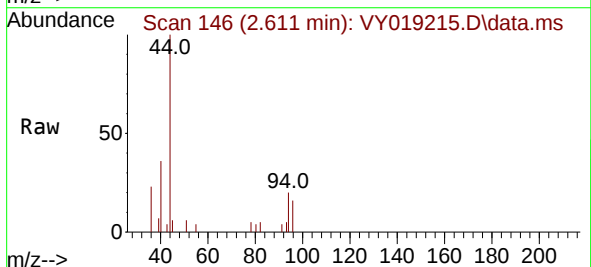
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 99239
Ion Ratio Lower Upper
168 100
99 54.1 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.611 min Scan# 146
Delta R.T. 0.025 min
Lab File: VY019215.D
Acq: 22 Aug 2024 13:07

Tgt Ion: 94 Resp: 527
Ion Ratio Lower Upper
94 100
96 79.5 74.1 111.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.836 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY019215.D

Acq: 22 Aug 2024 13:07

Instrument :

MSVOA_Y

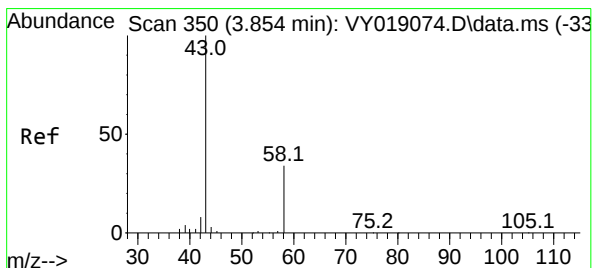
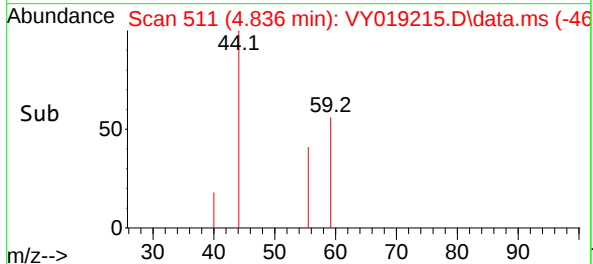
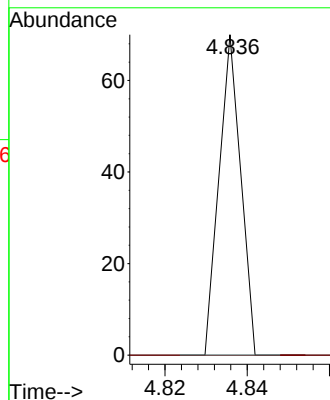
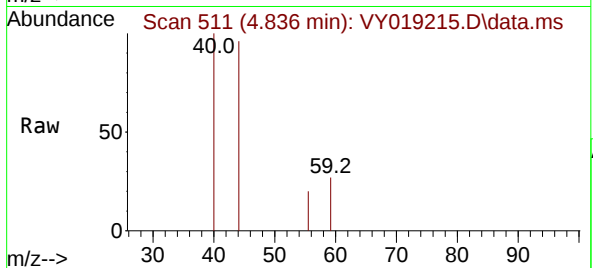
ClientSampleId :

Tgt Ion: 59 Resp: 26

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 1.019 ug/l

RT: 3.854 min Scan# 350

Delta R.T. 0.000 min

Lab File: VY019215.D

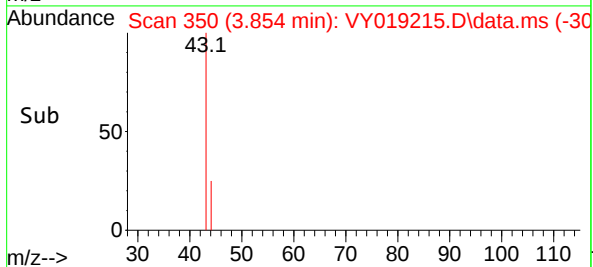
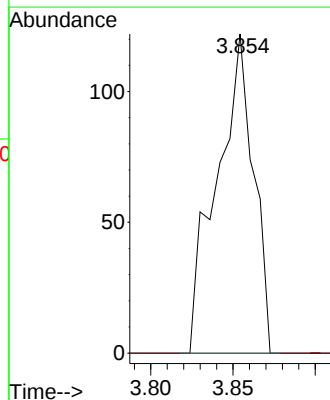
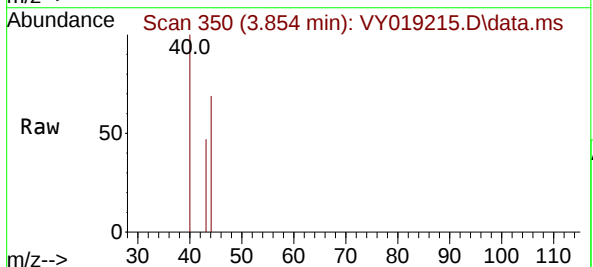
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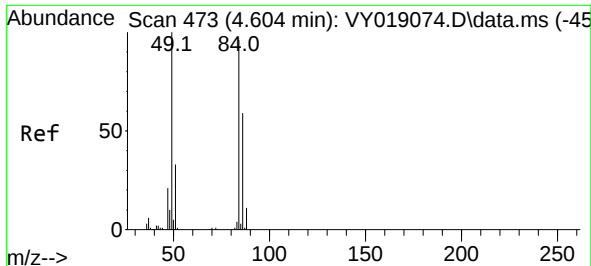
Tgt Ion: 43 Resp: 188

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.604 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY019215.D

Acq: 22 Aug 2024 13:07

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 6731

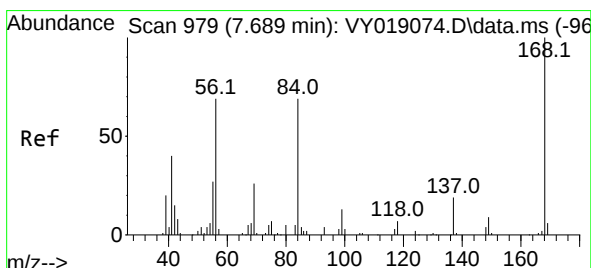
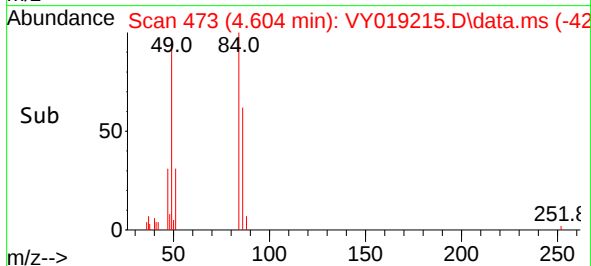
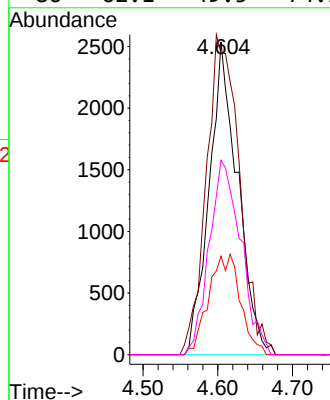
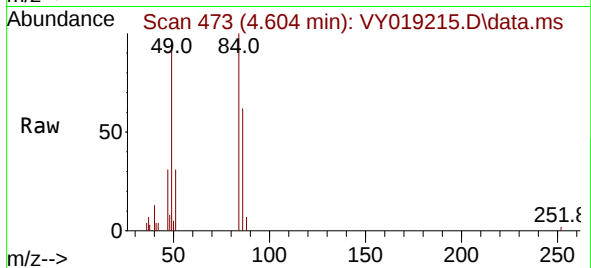
Ion Ratio Lower Upper

84 100

49 96.4 84.4 126.6

51 31.4 26.0 39.0

86 62.1 49.5 74.3



#31

Cyclohexane

Concen: Below Cal

RT: 7.701 min Scan# 981

Delta R.T. 0.012 min

Lab File: VY019215.D

Acq: 22 Aug 2024 13:07

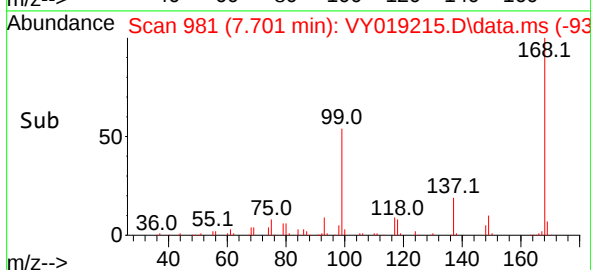
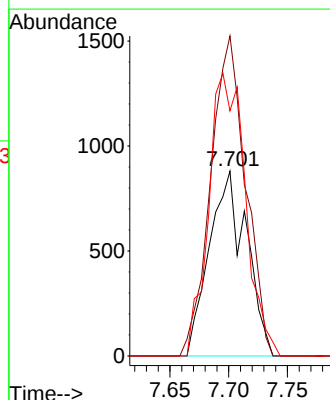
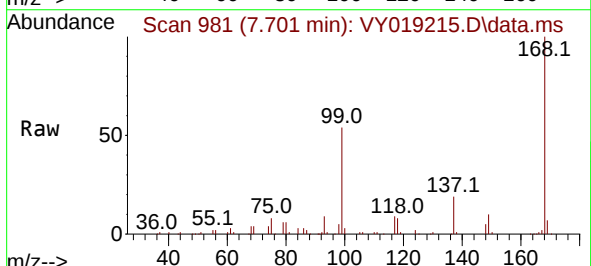
Tgt Ion: 56 Resp: 1936

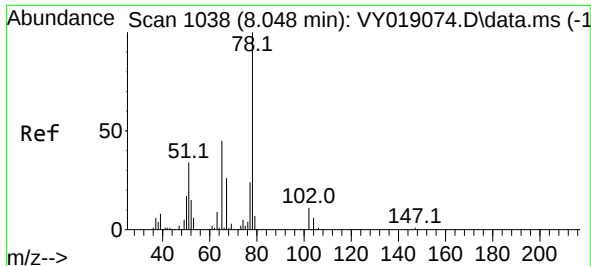
Ion Ratio Lower Upper

56 100

69 173.2 28.7 43.1#

84 132.6 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 47.653 ug/l

RT: 8.055 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019215.D

Acq: 22 Aug 2024 13:07

Instrument :

MSVOA_Y

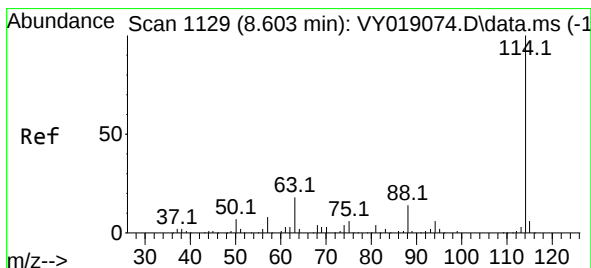
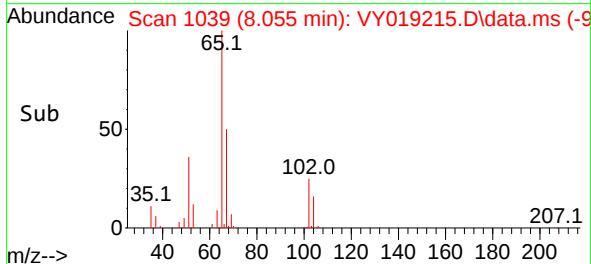
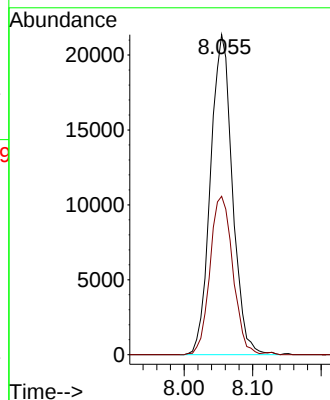
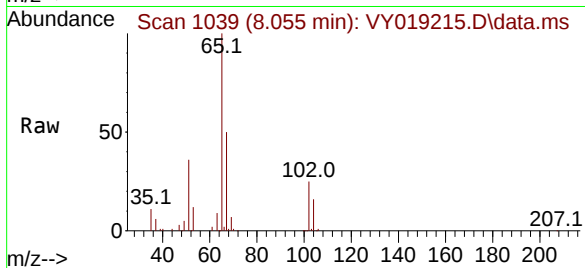
ClientSampleId :

Tgt Ion: 65 Resp: 47405

Ion Ratio Lower Upper

65 100

67 51.5 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: VY019215.D

Acq: 22 Aug 2024 13:07

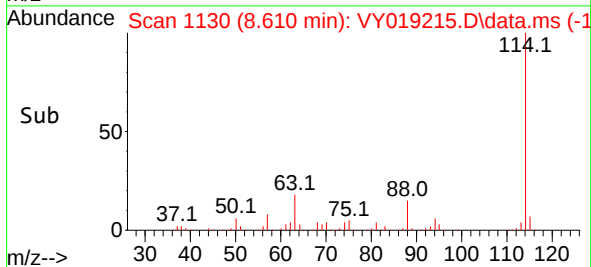
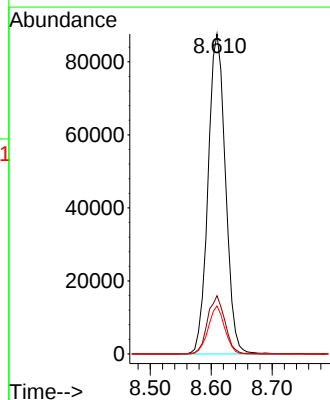
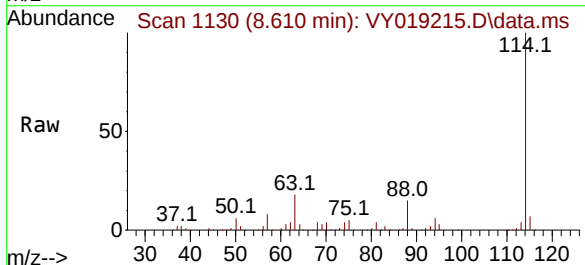
Tgt Ion: 114 Resp: 173692

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

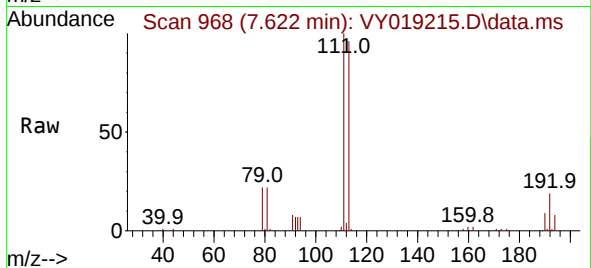
88 15.0 0.0 27.2



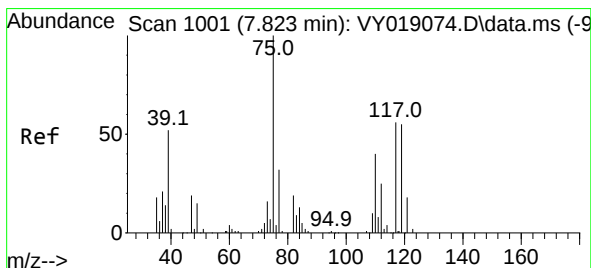
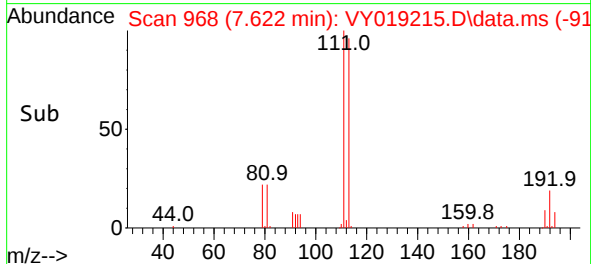
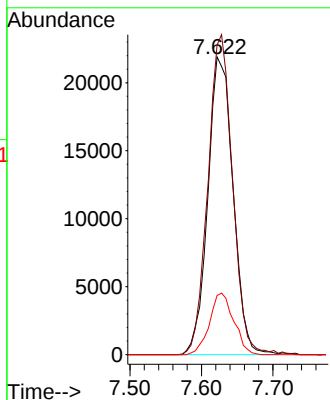


#35
Dibromofluoromethane
Concen: 47.306 ug/l
RT: 7.622 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY019215.D
Acq: 22 Aug 2024 13:07

Instrument :
MSVOA_Y
ClientSampleId :

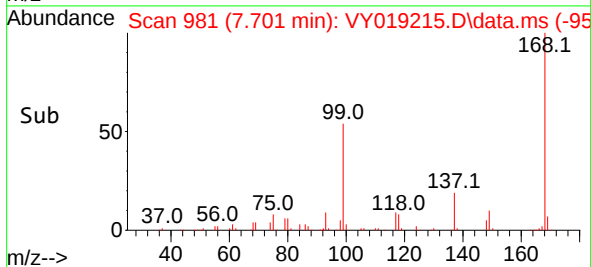
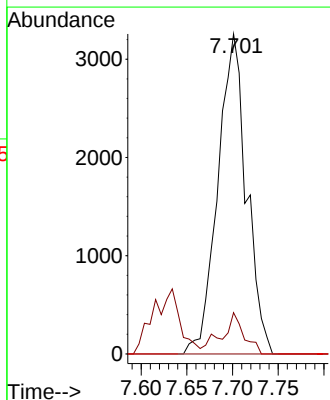
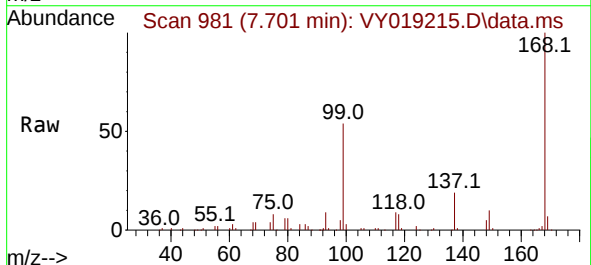


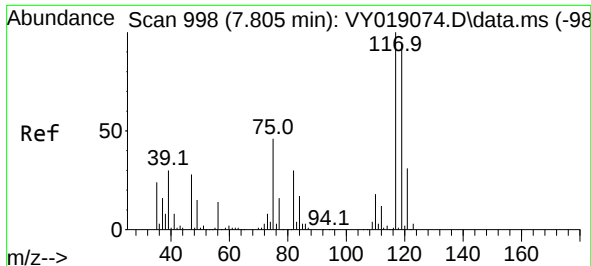
Tgt Ion:113 Resp: 53726
Ion Ratio Lower Upper
113 100
111 105.2 82.2 123.4
192 19.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.555 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY019215.D
Acq: 22 Aug 2024 13:07

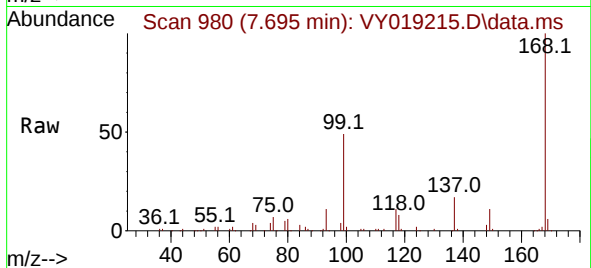
Tgt Ion: 75 Resp: 7104
Ion Ratio Lower Upper
75 100
110 9.9 19.0 57.0#
77 0.0 25.3 37.9#



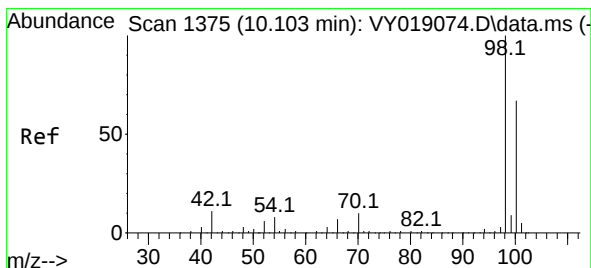
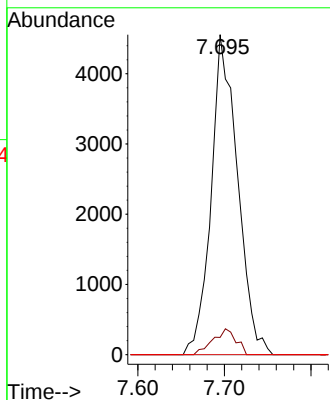
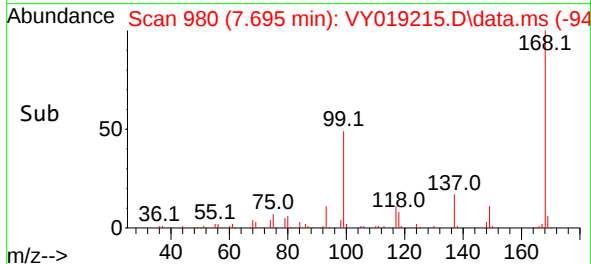


#38
Carbon Tetrachloride
Concen: 5.343 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY019215.D
Acq: 22 Aug 2024 13:07

Instrument :
MSVOA_Y
ClientSampleId :

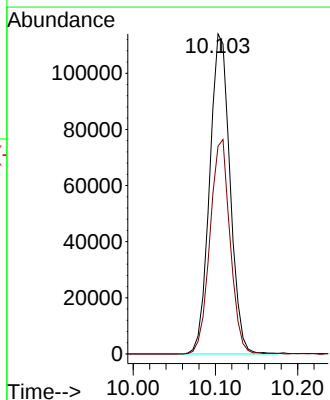
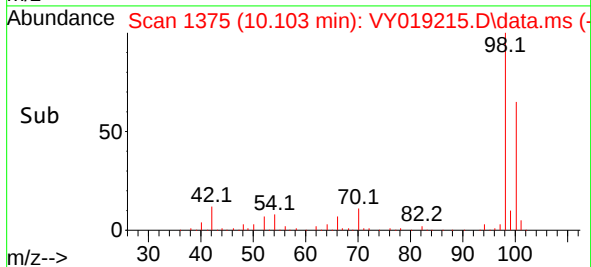
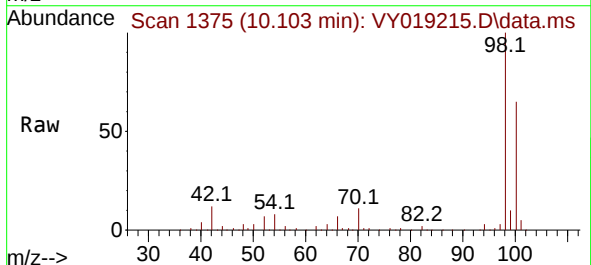


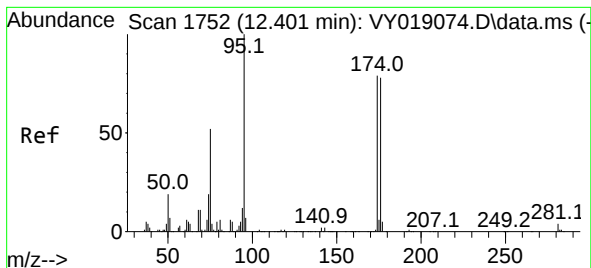
Tgt Ion:117 Resp: 9656
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.060 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019215.D
Acq: 22 Aug 2024 13:07

Tgt Ion: 98 Resp: 196423
Ion Ratio Lower Upper
98 100
100 66.1 52.0 78.0

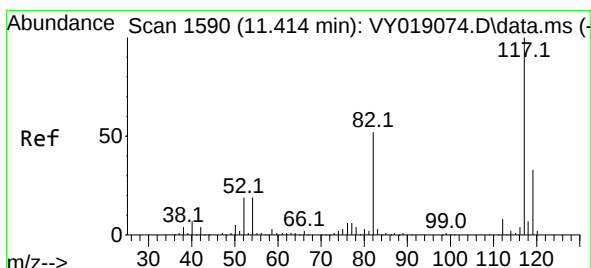
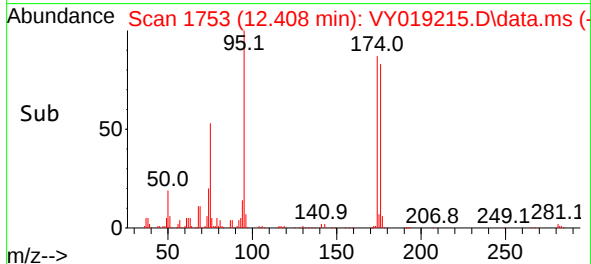
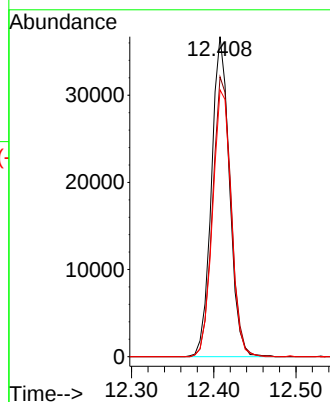
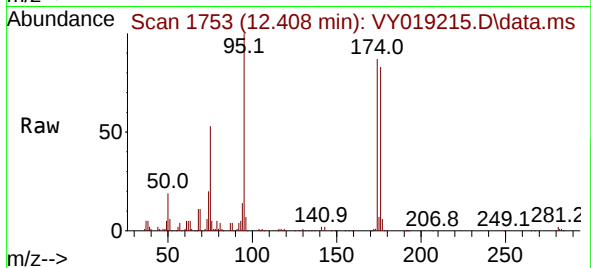




#62
4-Bromofluorobenzene
Concen: 40.141 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019215.D
Acq: 22 Aug 2024 13:07

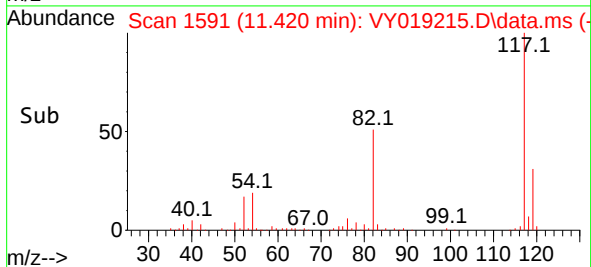
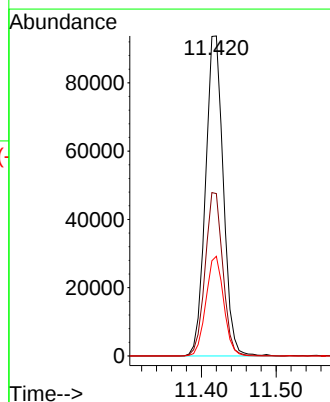
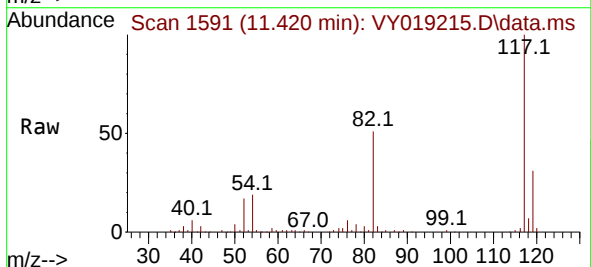
Instrument :
MSVOA_Y
ClientSampleId :

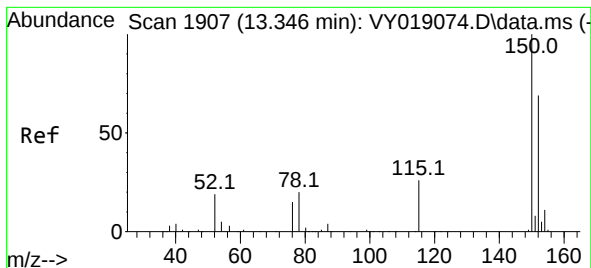
Tgt Ion: 95 Resp: 55926
Ion Ratio Lower Upper
95 100
174 90.1 0.0 175.6
176 86.1 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY019215.D
Acq: 22 Aug 2024 13:07

Tgt Ion: 117 Resp: 154993
Ion Ratio Lower Upper
117 100
82 50.8 42.4 63.6
119 31.1 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: VY019215.D

Acq: 22 Aug 2024 13:07

Instrument :

MSVOA_Y

ClientSampleId :

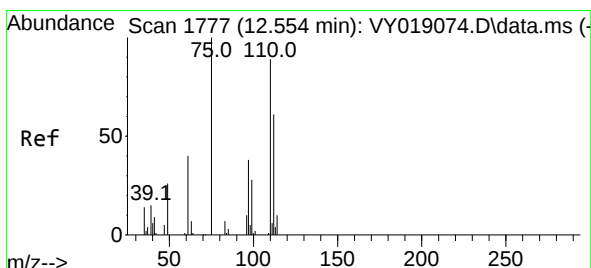
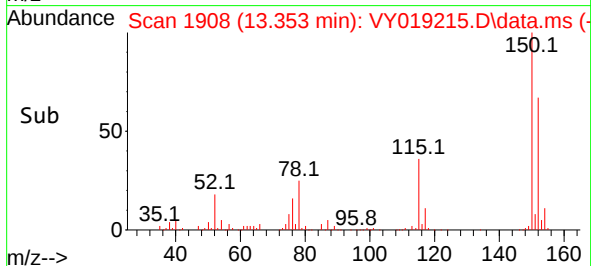
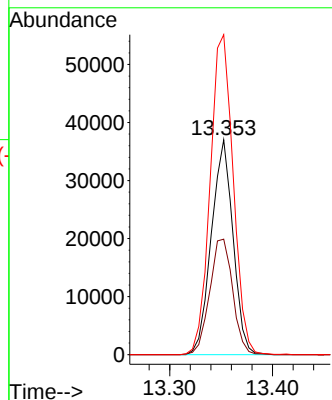
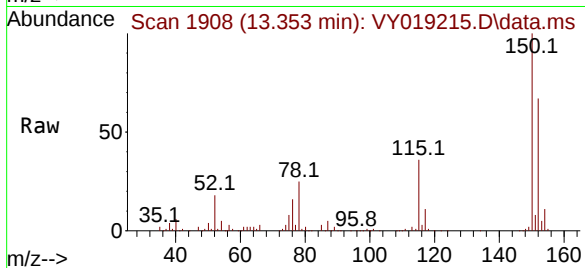
Tgt Ion:152 Resp: 54085

Ion Ratio Lower Upper

152 100

115 57.2 28.2 84.7

150 158.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 56.920 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019215.D

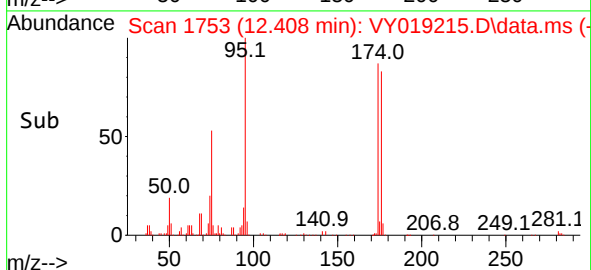
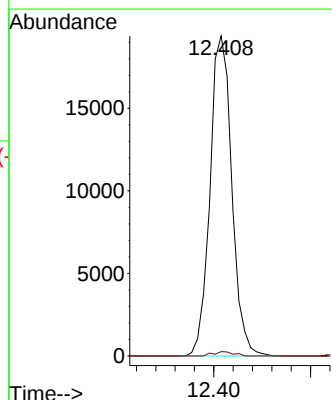
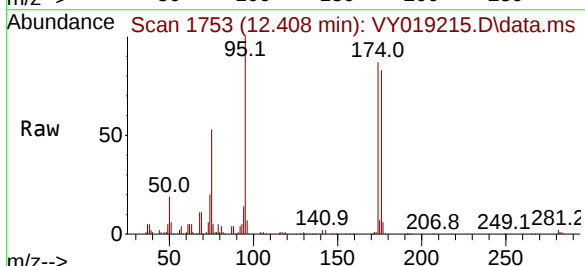
Acq: 22 Aug 2024 13:07

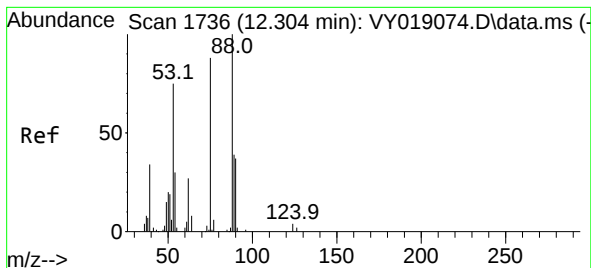
Tgt Ion: 75 Resp: 30360

Ion Ratio Lower Upper

75 100

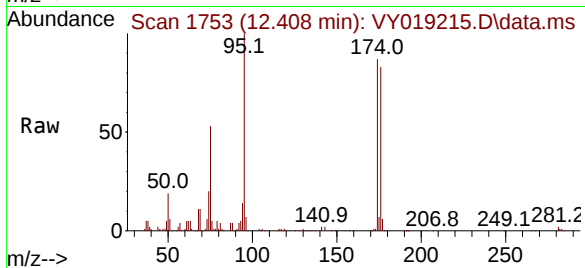
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.574 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019215.D
 Acq: 22 Aug 2024 13:07

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 30360
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.3 35.8 53.6#

