

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
 Data File : VY020389.D
 Acq On : 21 Nov 2024 16:06
 Operator : SY/MD
 Sample : P4860-10
 Misc : 5.93g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 22 00:26:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	140636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	270374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	252016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	101642	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	85018	52.618	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.240%
35) Dibromofluoromethane	7.640	113	84394	48.678	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.360%
50) Toluene-d8	10.103	98	327171	47.906	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.820%
62) 4-Bromofluorobenzene	12.408	95	110710	50.427	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	100.860%

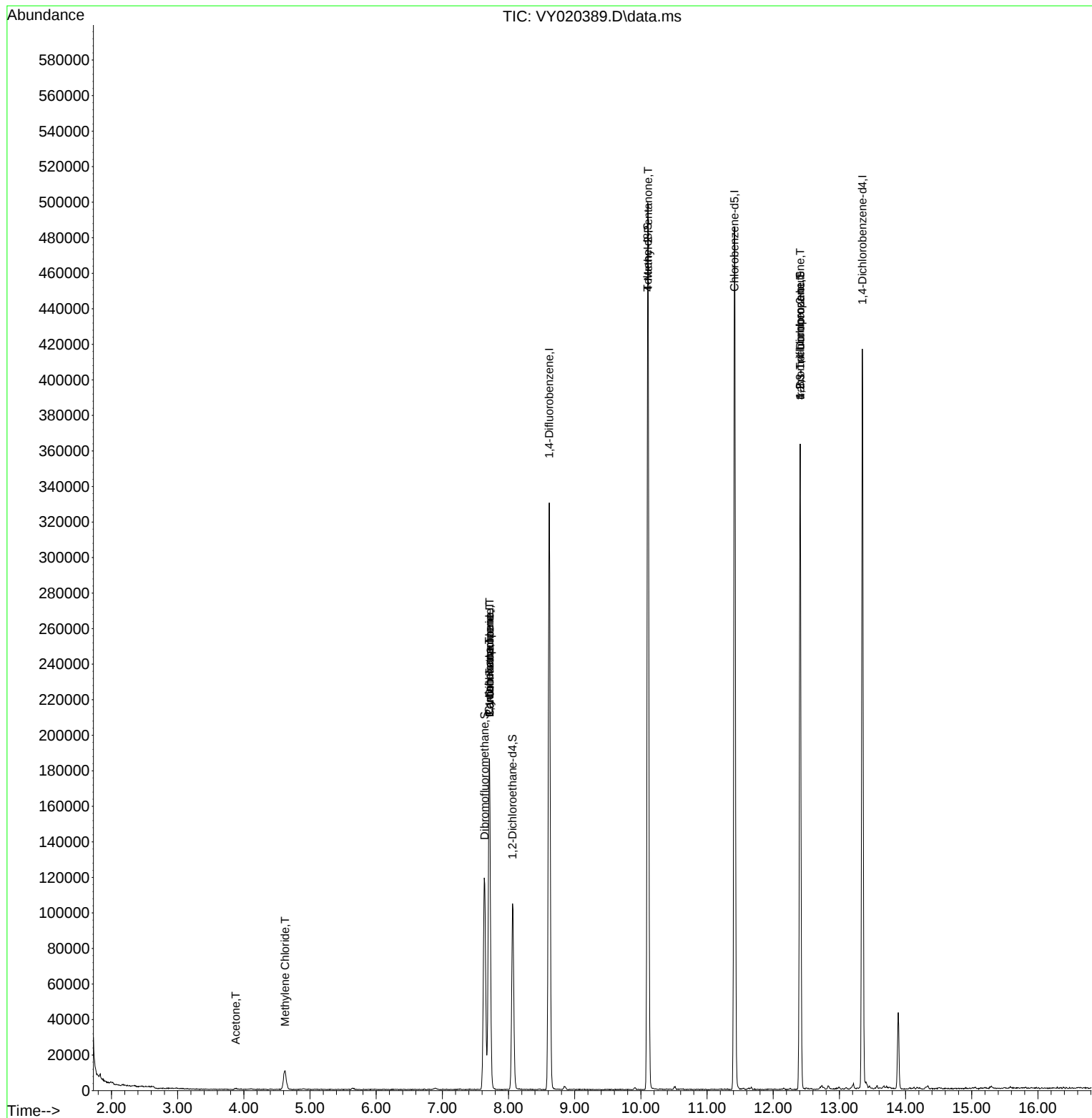
Target Compounds					Qvalue	
3) Chloromethane	2.068	50	90	Below Cal	#	41
16) Acetone	3.879	43	955	2.466	ug/l #	83
20) Methylene Chloride	4.622	84	7792	4.750	ug/l	95
31) Cyclohexane	7.707	56	3263	1.083	ug/l #	11
36) 1,1-Dichloropropene	7.713	75	11659	4.403	ug/l #	50
38) Carbon Tetrachloride	7.713	117	15222	5.506	ug/l #	15
51) 4-Methyl-2-Pentanone	10.109	43	1593	1.331	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	62166	64.891	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	62166	127.151	ug/l #	9

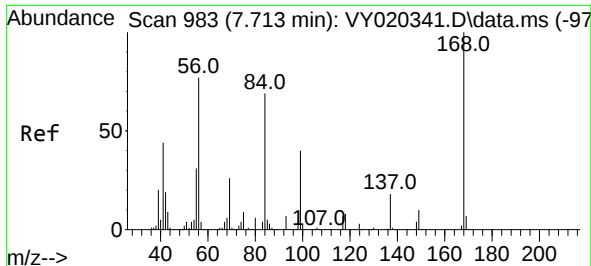
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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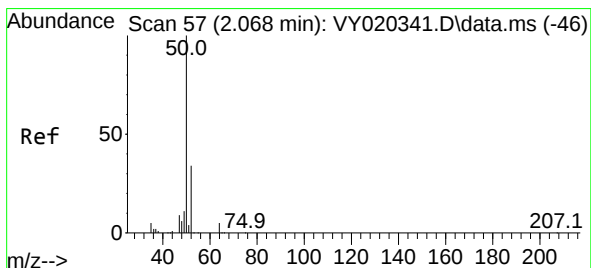
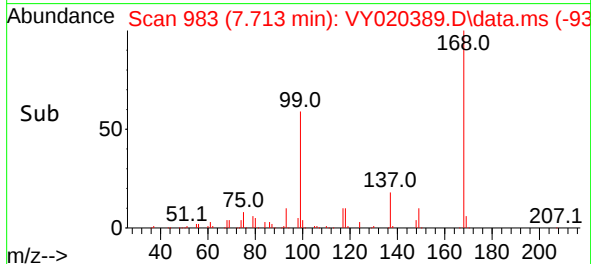
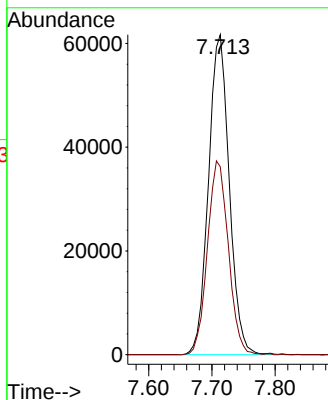
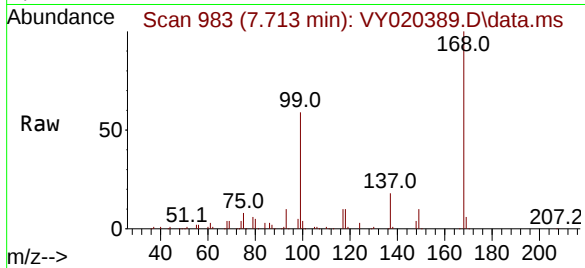




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

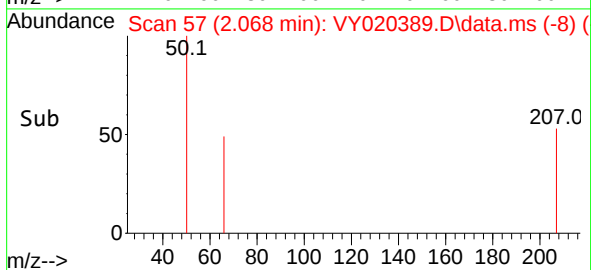
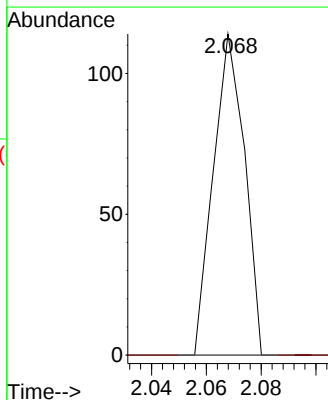
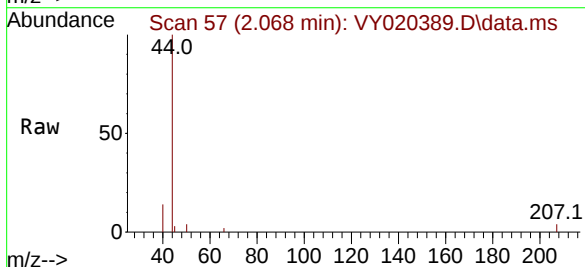
Instrument :
MSVOA_Y
ClientSampleId :

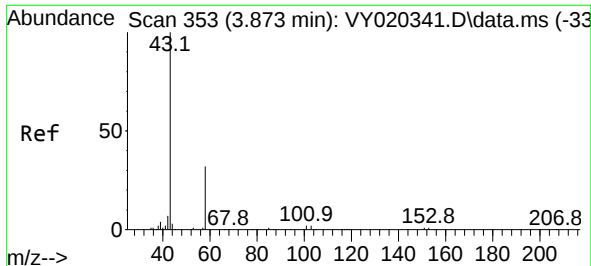
Tgt Ion:168 Resp: 140636
Ion Ratio Lower Upper
168 100
99 58.7 46.6 69.8



#3
Chloromethane
Concen: Below Cal
RT: 2.068 min Scan# 57
Delta R.T. -0.000 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Tgt Ion: 50 Resp: 90
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#





#16

Acetone

Concen: 2.466 ug/l

RT: 3.879 min Scan# 31

Delta R.T. 0.006 min

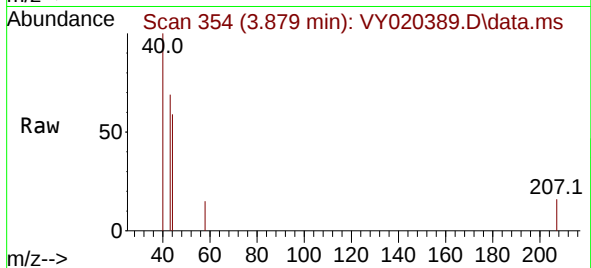
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Acq: 21 Nov 2024 16:06

Instrument :

MSVOA_Y

ClientSampleId :

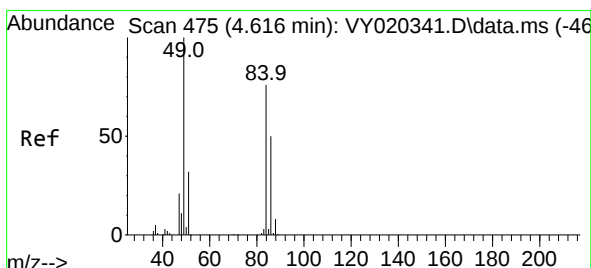
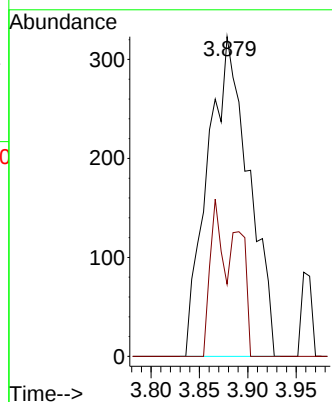
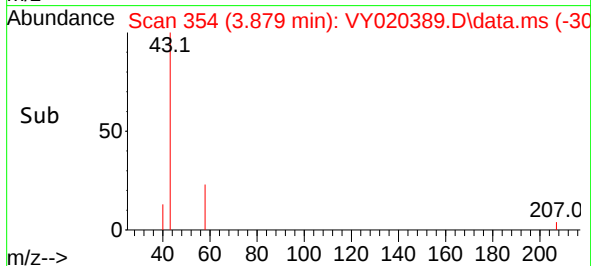


Tgt Ion: 43 Resp: 955

Ion Ratio Lower Upper

43 100

58 22.6 25.7 38.5#



#20

Methylene Chloride

Concen: 4.750 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY020389.D

Acq: 21 Nov 2024 16:06

Tgt Ion: 84 Resp: 7792

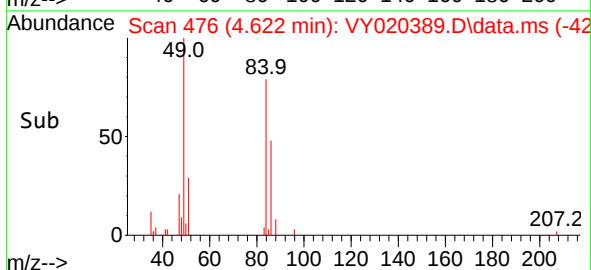
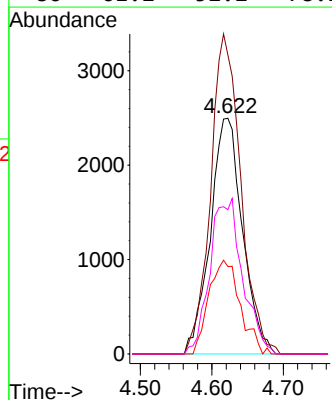
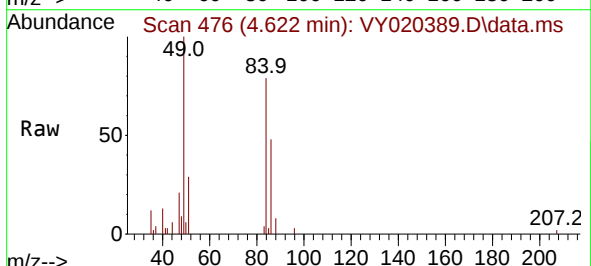
Ion Ratio Lower Upper

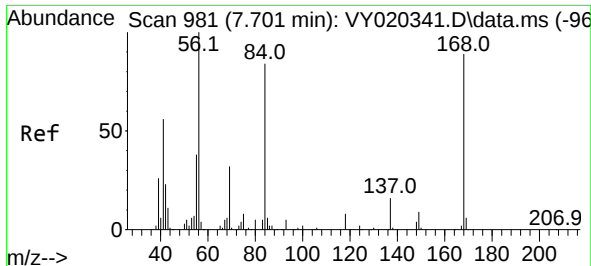
84 100

49 126.9 104.7 157.1

51 37.1 33.4 50.0

86 61.2 52.2 78.2

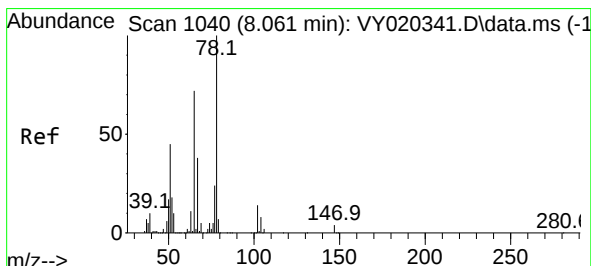
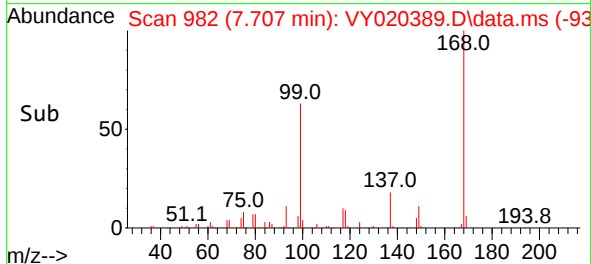
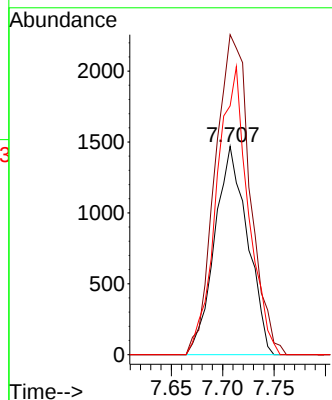
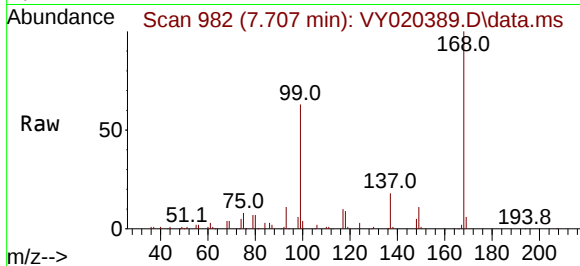




#31
Cyclohexane
Concen: 1.083 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

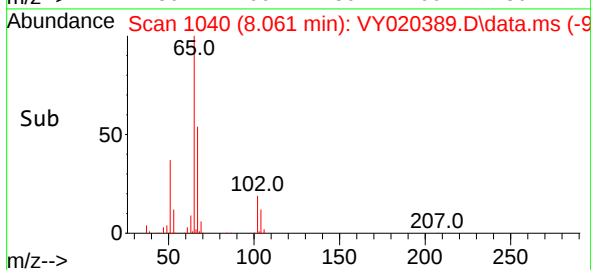
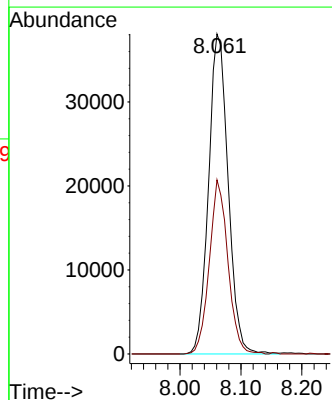
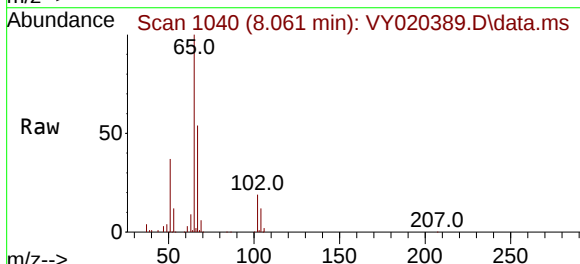
Instrument :
MSVOA_Y
ClientSampleId :

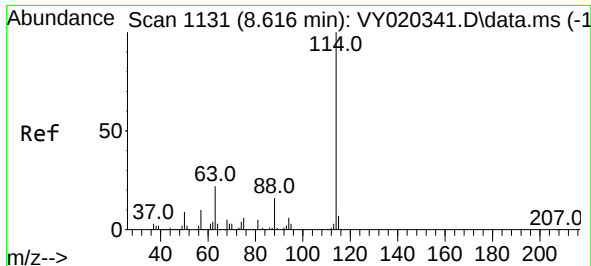
Tgt Ion: 56 Resp: 3263
Ion Ratio Lower Upper
56 100
69 153.6 25.3 37.9#
84 119.5 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 52.618 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

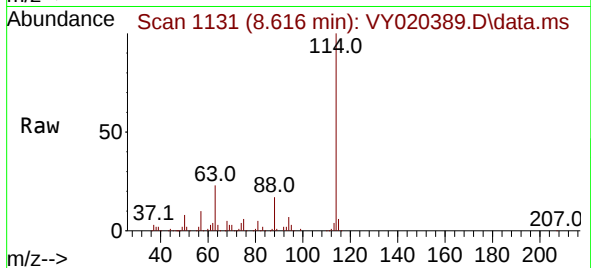
Tgt Ion: 65 Resp: 85018
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.8



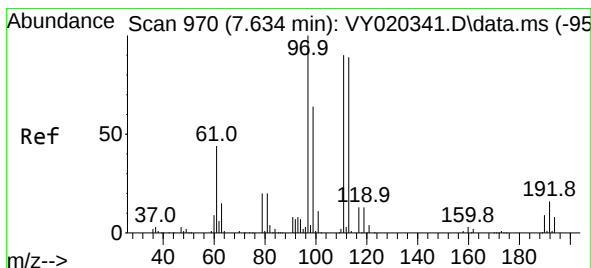
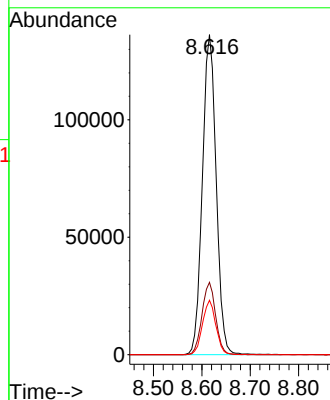
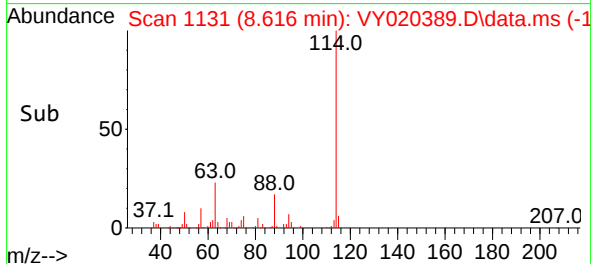


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Instrument :
MSVOA_Y
ClientSampleId :

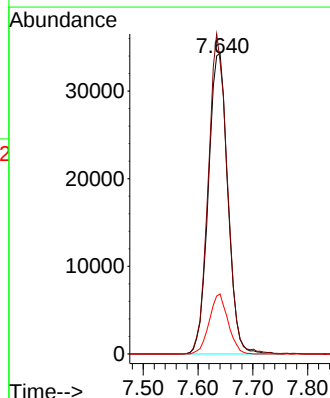
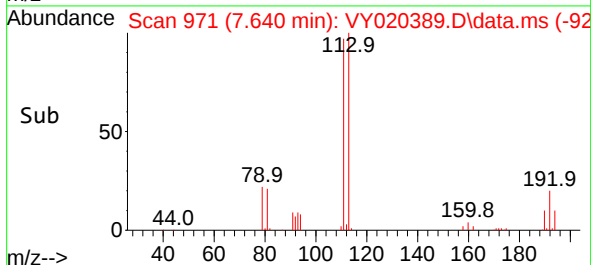
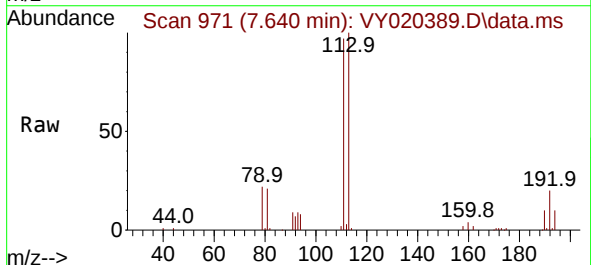


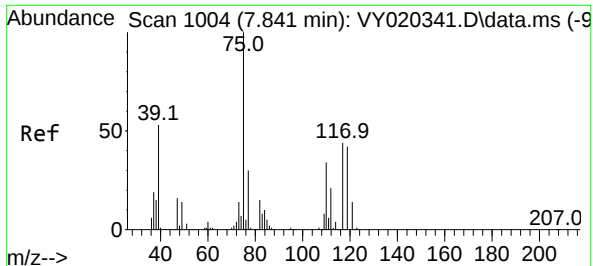
Tgt Ion:114 Resp: 270374
Ion Ratio Lower Upper
114 100
63 22.6 0.0 44.8
88 17.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 48.678 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

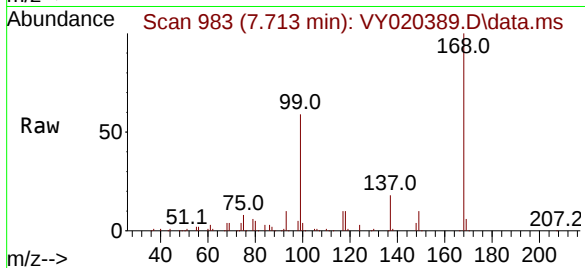
Tgt Ion:113 Resp: 84394
Ion Ratio Lower Upper
113 100
111 104.0 81.4 122.0
192 19.3 15.1 22.7



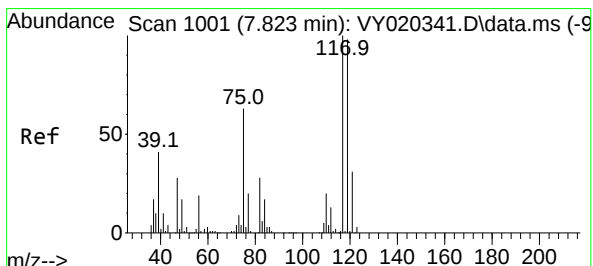
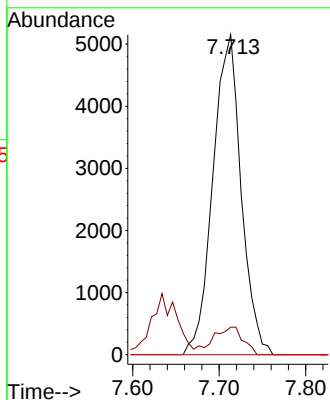
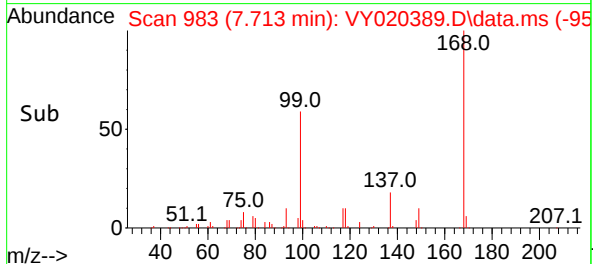


#36
1,1-Dichloropropene
Concen: 4.403 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

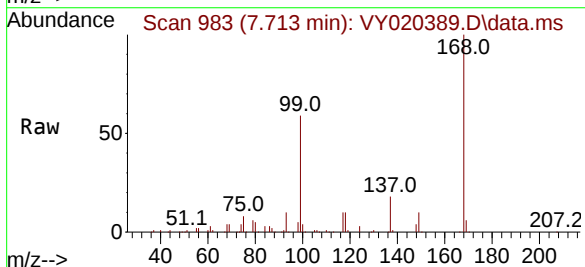
Instrument :
MSVOA_Y
ClientSampleId :



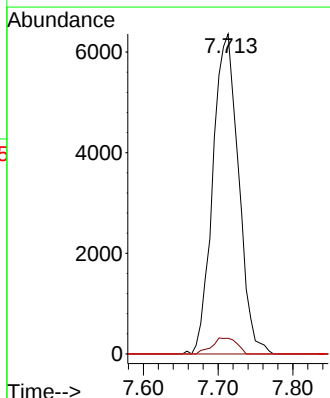
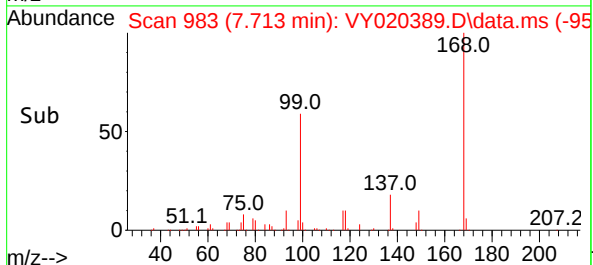
Tgt Ion: 75 Resp: 11659
Ion Ratio Lower Upper
75 100
110 8.4 16.7 50.0#
77 0.0 24.6 36.8#

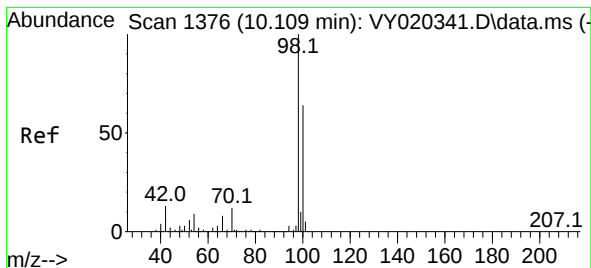


#38
Carbon Tetrachloride
Concen: 5.506 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06



Tgt Ion: 117 Resp: 15222
Ion Ratio Lower Upper
117 100
119 4.9 77.8 116.6#
121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 47.906 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020389.D

Acq: 21 Nov 2024 16:06

Instrument :

MSVOA_Y

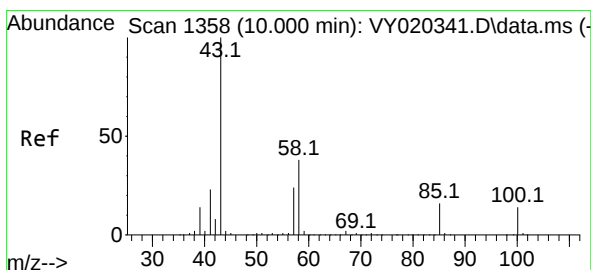
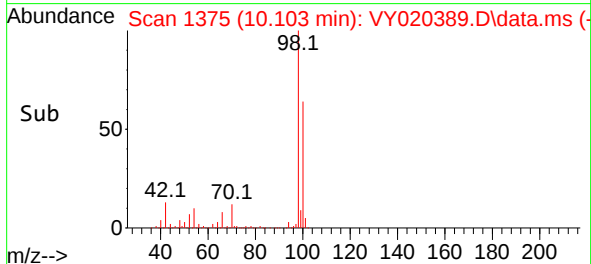
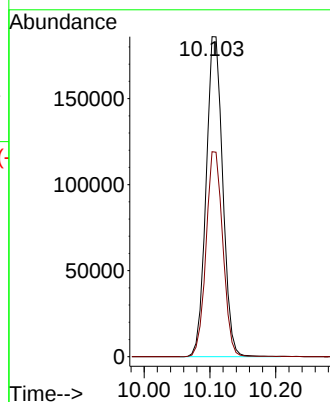
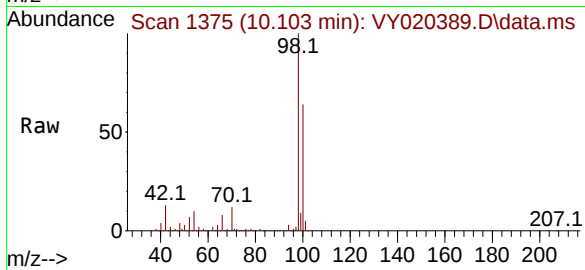
ClientSampleId :

Tgt Ion: 98 Resp: 327171

Ion Ratio Lower Upper

98 100

100 64.5 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 1.331 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.110 min

Lab File: VY020389.D

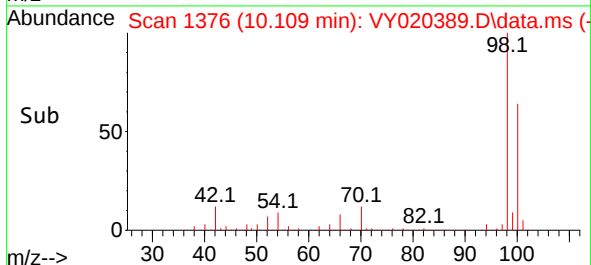
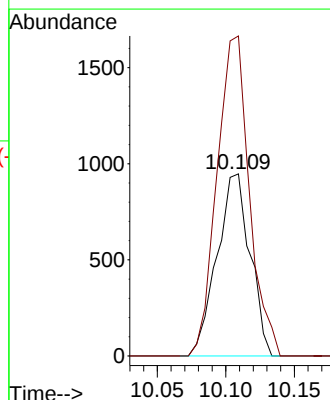
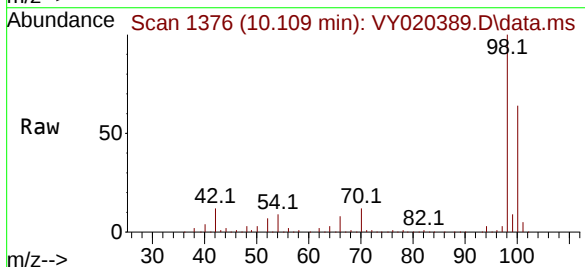
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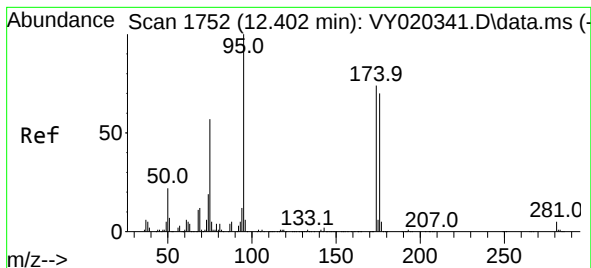
Tgt Ion: 43 Resp: 1593

Ion Ratio Lower Upper

43 100

58 171.8 30.9 46.3#

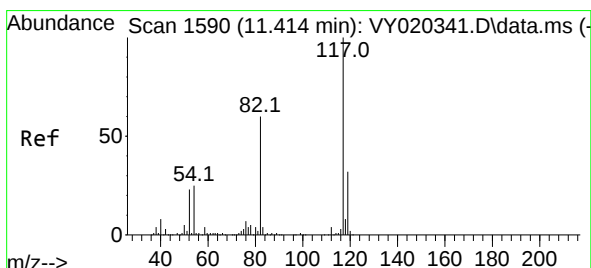
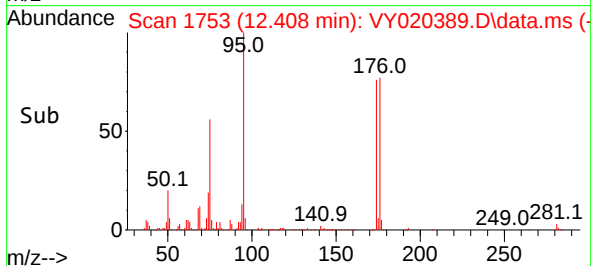
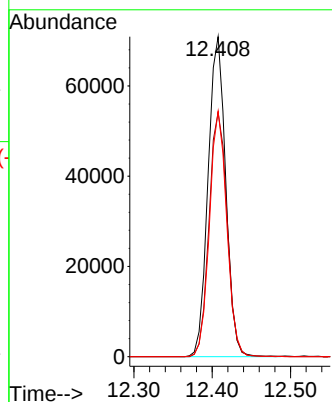
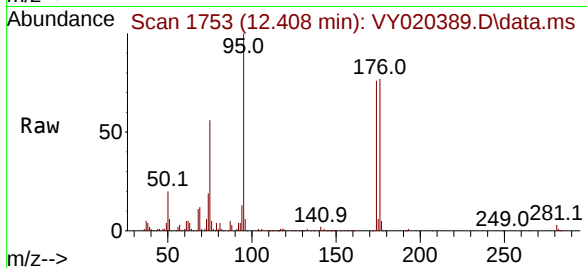




#62
4-Bromofluorobenzene
Concen: 50.427 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

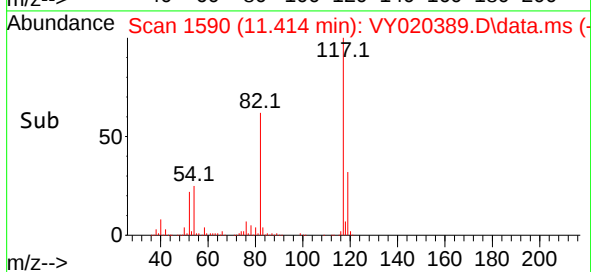
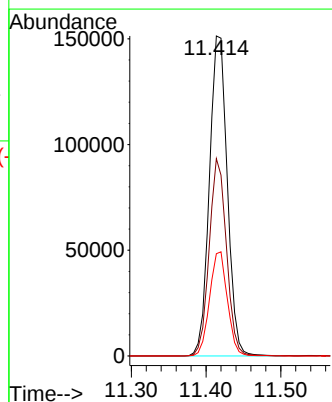
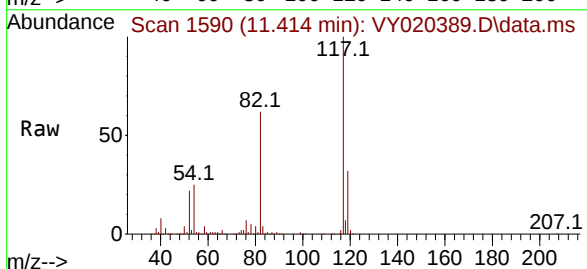
Instrument :
MSVOA_Y
ClientSampleId :

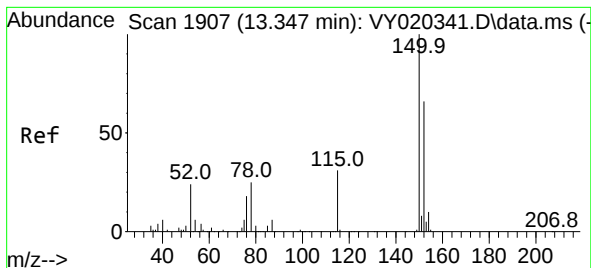
Tgt Ion: 95 Resp: 110710
Ion Ratio Lower Upper
95 100
174 78.3 0.0 156.8
176 75.3 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Tgt Ion:117 Resp: 252016
Ion Ratio Lower Upper
117 100
82 61.7 48.2 72.4
119 32.0 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY020389.D

Acq: 21 Nov 2024 16:06

Instrument :

MSVOA_Y

ClientSampleId :

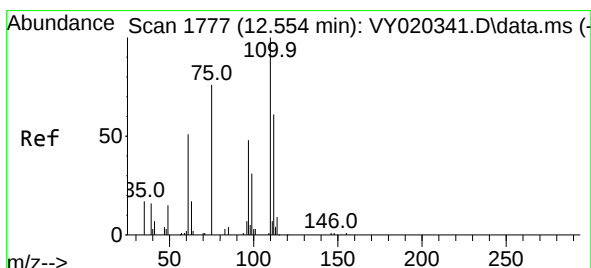
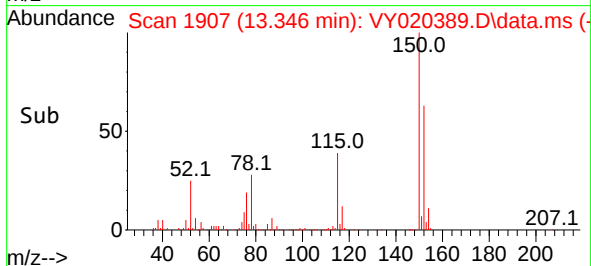
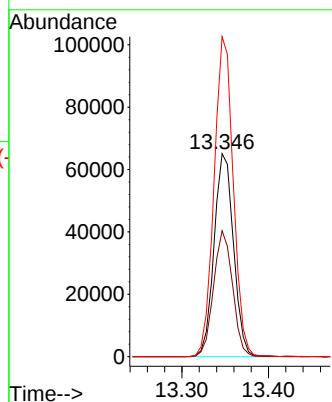
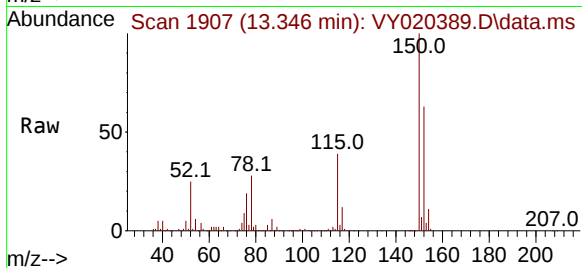
Tgt Ion:152 Resp: 101642

Ion Ratio Lower Upper

152 100

115 60.6 30.0 90.0

150 155.2 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 64.891 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY020389.D

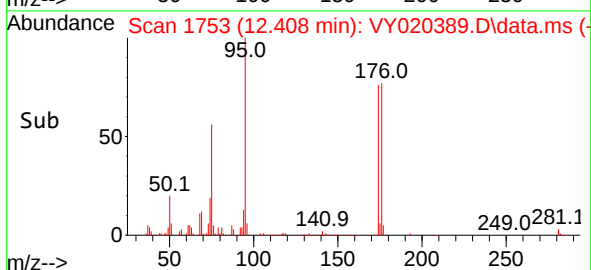
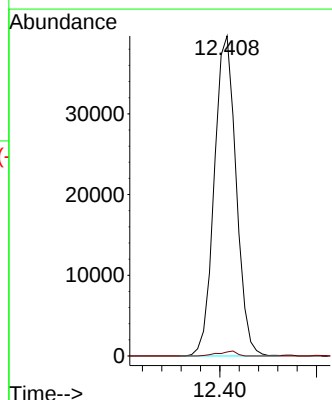
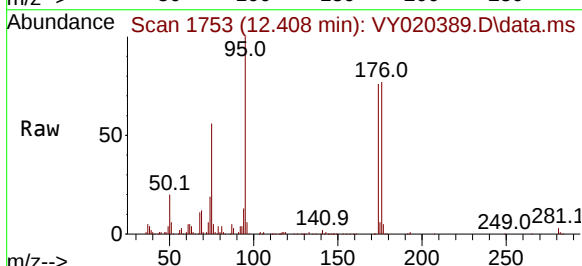
Acq: 21 Nov 2024 16:06

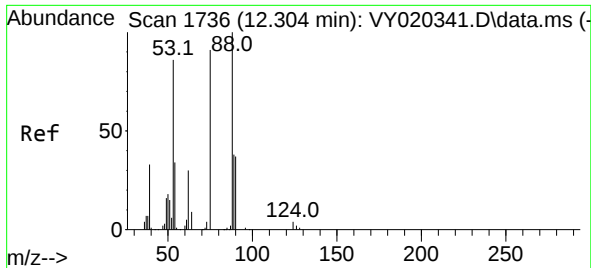
Tgt Ion: 75 Resp: 62166

Ion Ratio Lower Upper

75 100

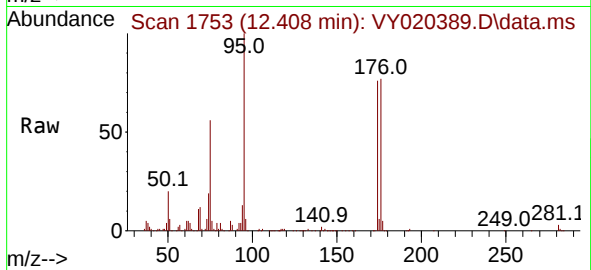
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.151 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY020389.D
 Acq: 21 Nov 2024 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 62166
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.1 121.7#
 89 0.0 35.1 52.7#

