

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021789.D
 Acq On : 04 Apr 2025 16:34
 Operator : SY/MD
 Sample : Q1730-17
 Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-26-040325

Quant Time: Apr 04 23:41:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

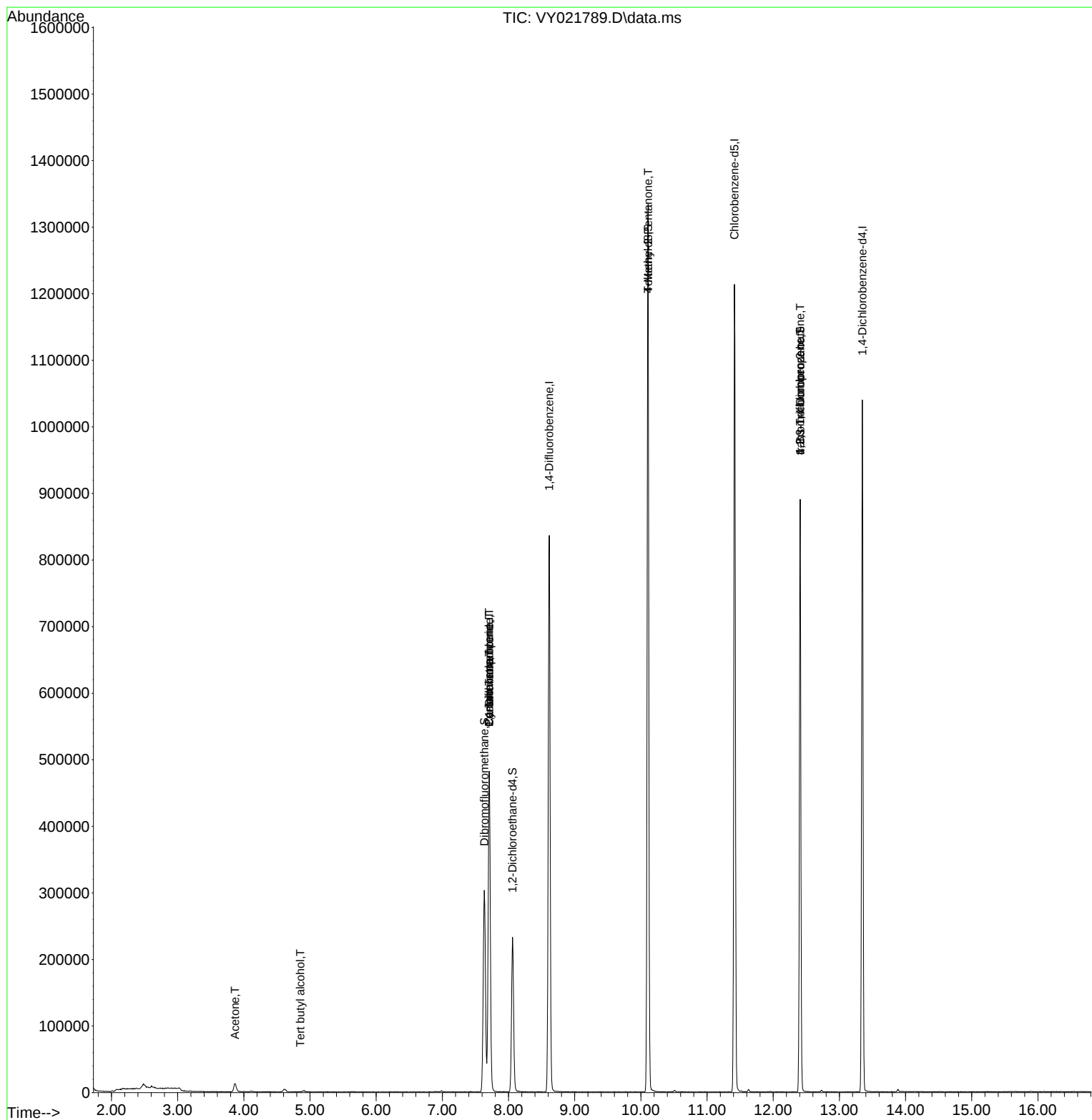
Internal Standards						
1) Pentafluorobenzene	7.707	168	360902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	687159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	614248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	248629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	184699	47.234	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.460%
35) Dibromofluoromethane	7.634	113	212183	47.601	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.200%
50) Toluene-d8	10.109	98	848224	50.020	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.040%
62) 4-Bromofluorobenzene	12.408	95	256795	44.770	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	733	2.886	ug/l #	80
16) Acetone	3.866	43	21836	27.286	ug/l	98
20) Methylene Chloride	4.616	84	2915	Below Cal	#	86
31) Cyclohexane	7.707	56	8516	1.234	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	28949	4.264	ug/l #	50
38) Carbon Tetrachloride	7.707	117	37109	4.772	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	3895	1.233	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	137195	55.667	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	137195	128.267	ug/l #	12

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

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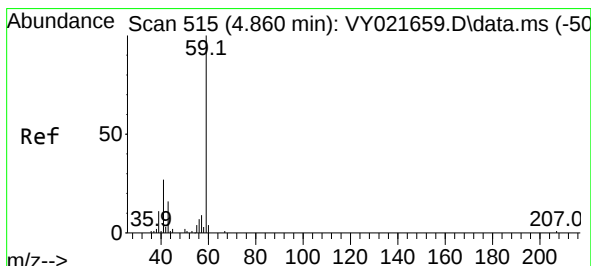
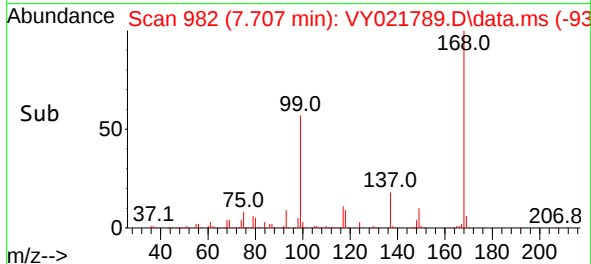
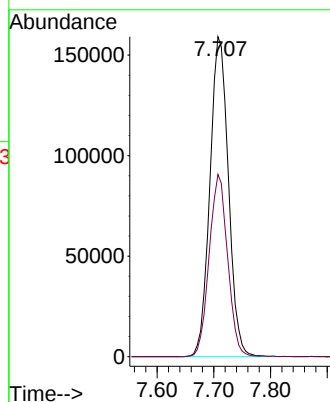
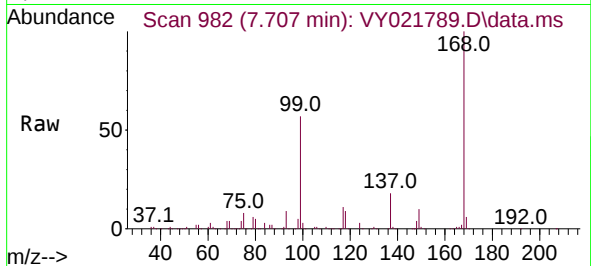




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021789.D
Acq: 04 Apr 2025 16:34

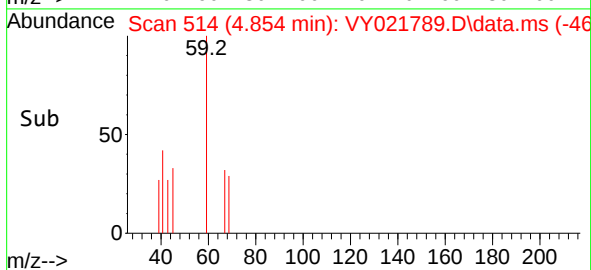
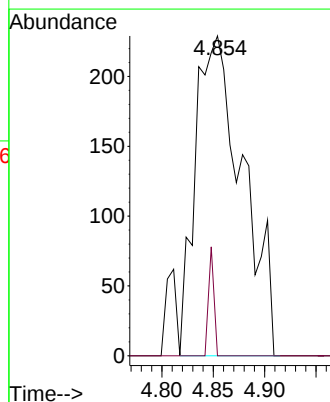
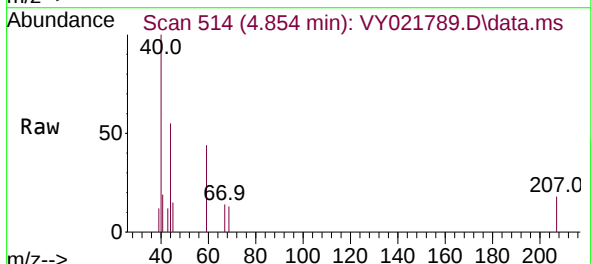
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-26-040325

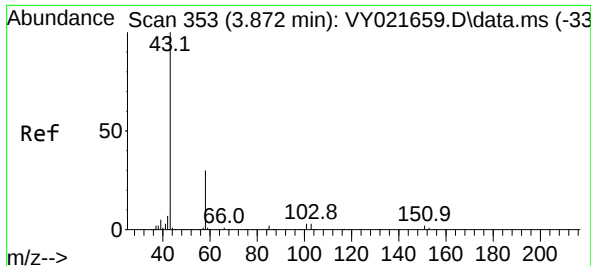
Tgt Ion:168 Resp: 360902
Ion Ratio Lower Upper
168 100
99 56.9 46.7 70.1



#11
Tert butyl alcohol
Concen: 2.886 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY021789.D
Acq: 04 Apr 2025 16:34

Tgt Ion: 59 Resp: 733
Ion Ratio Lower Upper
59 100
57 4.0 9.2 13.8#





#16

Acetone

Concen: 27.286 ug/l

RT: 3.866 min Scan# 3

Delta R.T. -0.006 min

Lab File: VY021789.D

Acq: 04 Apr 2025 16:34

Instrument :

MSVOA_Y

ClientSampleId :

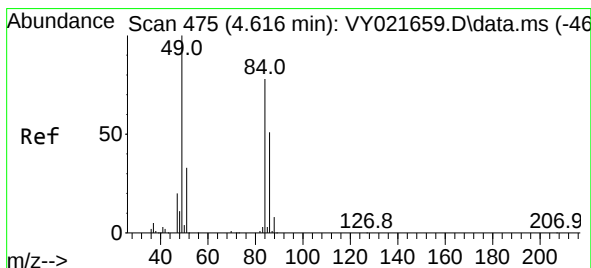
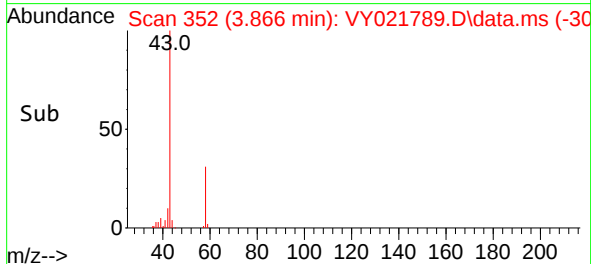
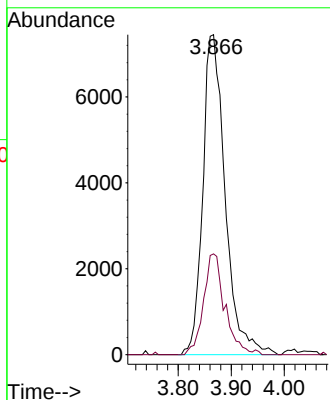
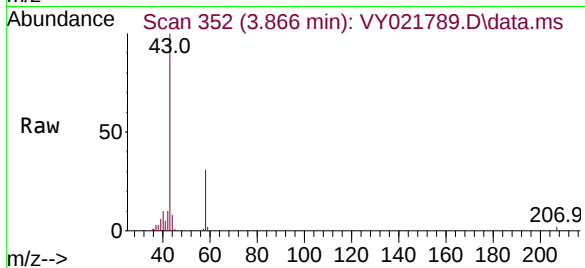
OU4-PCS-TC-26-040325

Tgt Ion: 43 Resp: 21836

Ion Ratio Lower Upper

43 100

58 31.5 24.2 36.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021789.D

Acq: 04 Apr 2025 16:34

Tgt Ion: 84 Resp: 2915

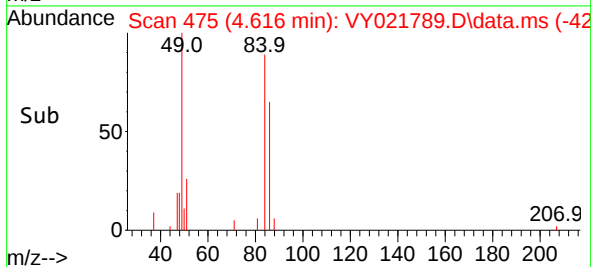
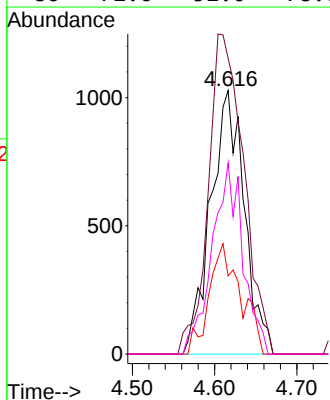
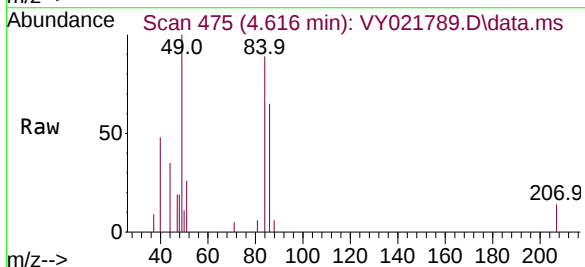
Ion Ratio Lower Upper

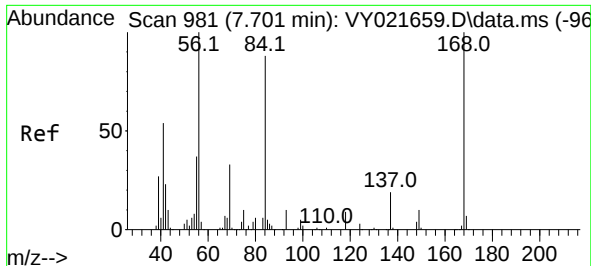
84 100

49 112.3 102.8 154.2

51 29.7 33.5 50.3#

86 72.6 52.0 78.0

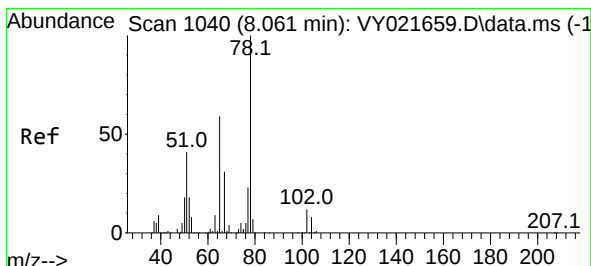
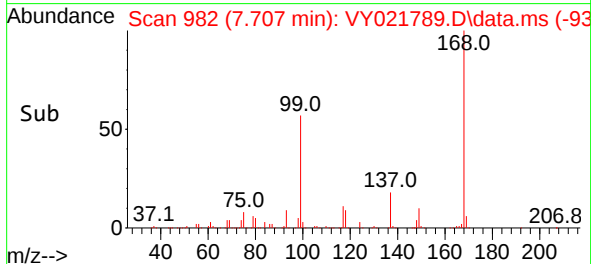
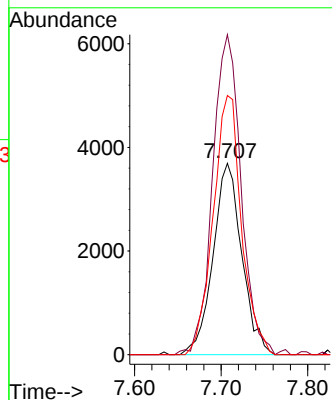
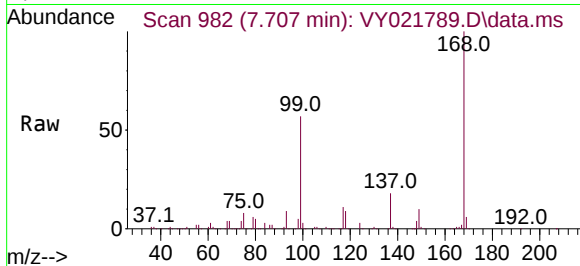




#31
Cyclohexane
Concen: 1.234 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021789.D
Acq: 04 Apr 2025 16:34

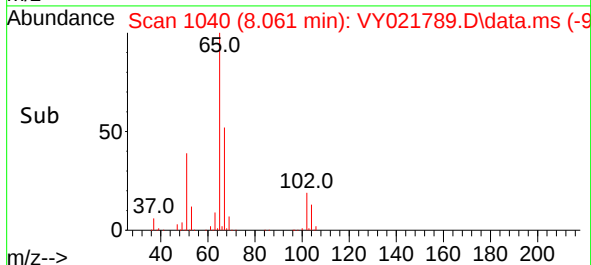
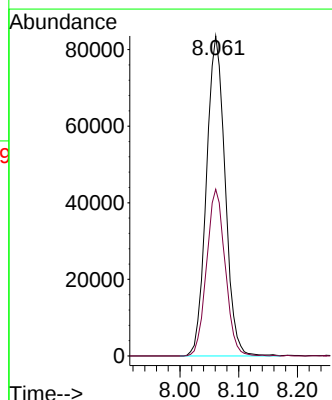
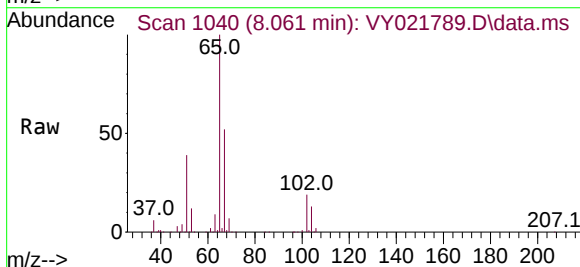
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-26-040325

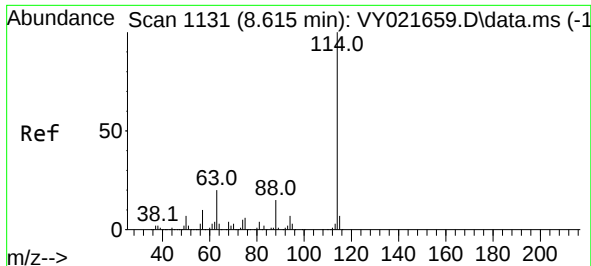
Tgt Ion: 56 Resp: 8516
Ion Ratio Lower Upper
56 100
69 165.6 26.6 40.0#
84 135.4 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 47.234 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021789.D
Acq: 04 Apr 2025 16:34

Tgt Ion: 65 Resp: 184699
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.6

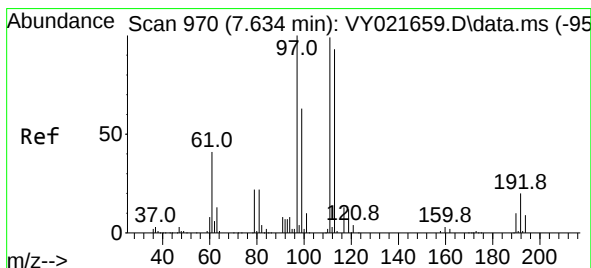
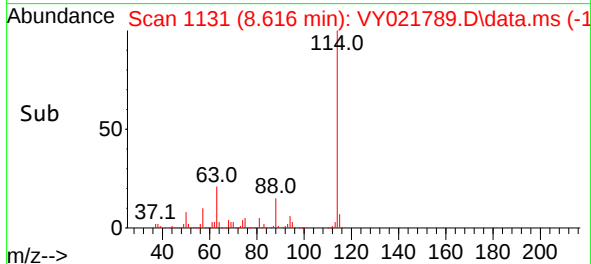
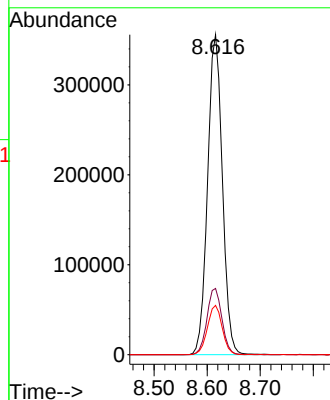
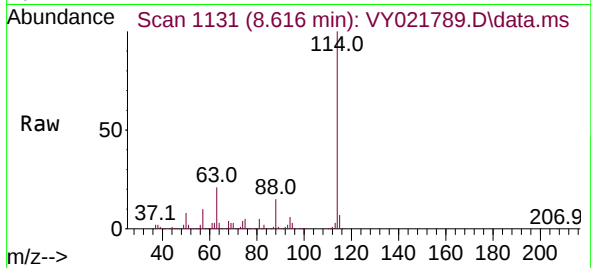




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021789.D
Acq: 04 Apr 2025 16:34

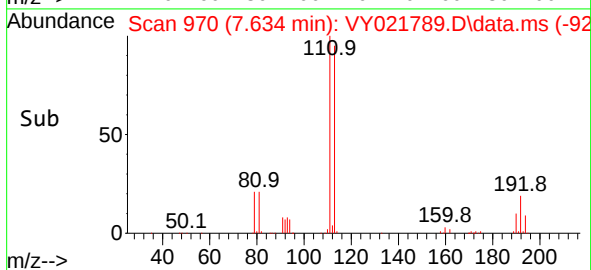
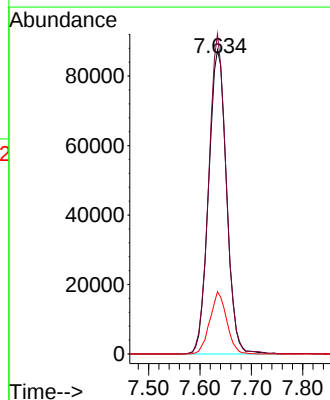
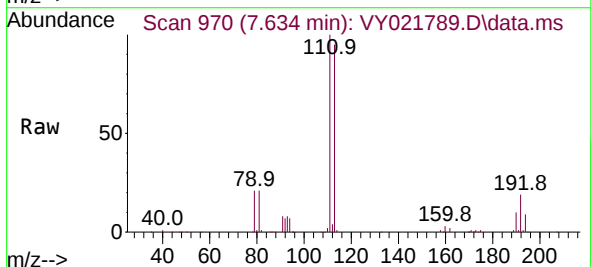
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-26-040325

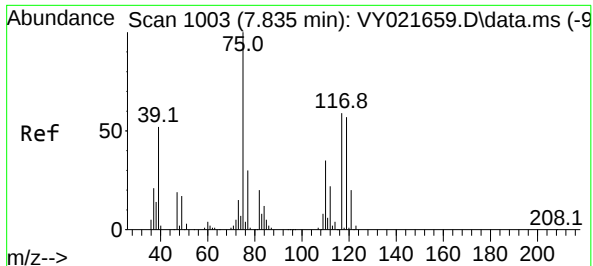
Tgt Ion:114 Resp: 687159
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.2
88 15.4 0.0 29.8



#35
Dibromofluoromethane
Concen: 47.601 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021789.D
Acq: 04 Apr 2025 16:34

Tgt Ion:113 Resp: 212183
Ion Ratio Lower Upper
113 100
111 102.4 82.6 123.8
192 19.1 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.264 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY021789.D

Acq: 04 Apr 2025 16:34

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-26-040325

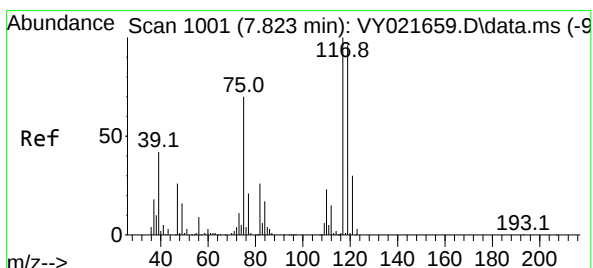
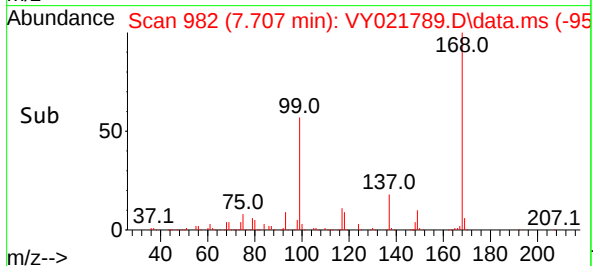
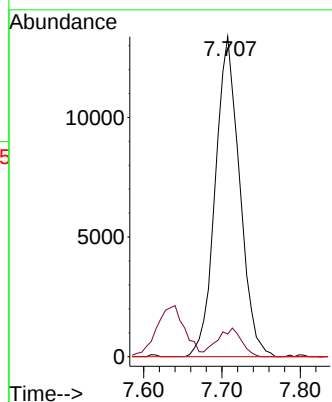
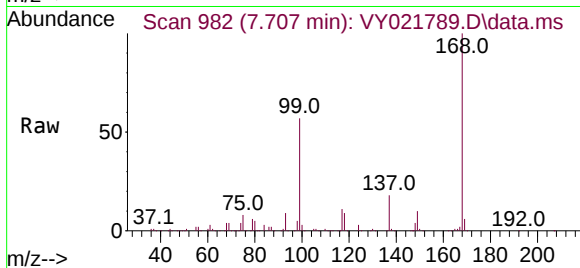
Tgt Ion: 75 Resp: 28949

Ion Ratio Lower Upper

75 100

110 8.8 17.0 50.9#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.772 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021789.D

Acq: 04 Apr 2025 16:34

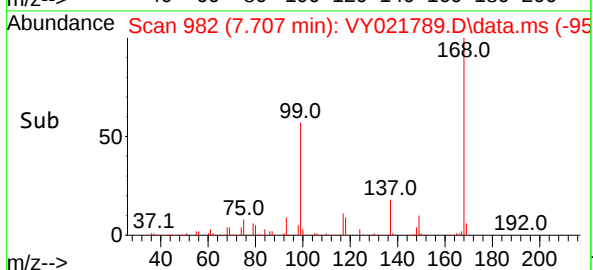
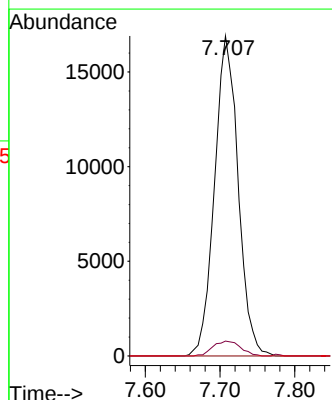
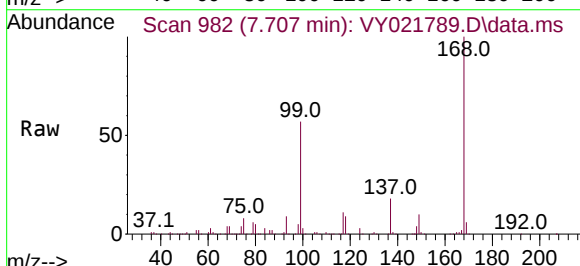
Tgt Ion: 117 Resp: 37109

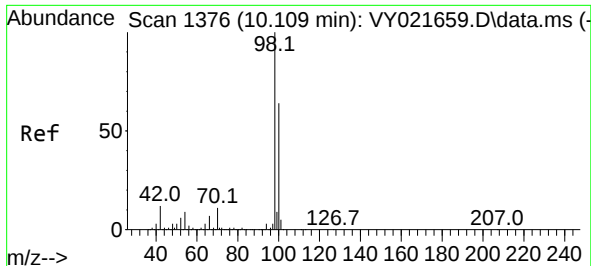
Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.4#

121 0.0 24.2 36.4#

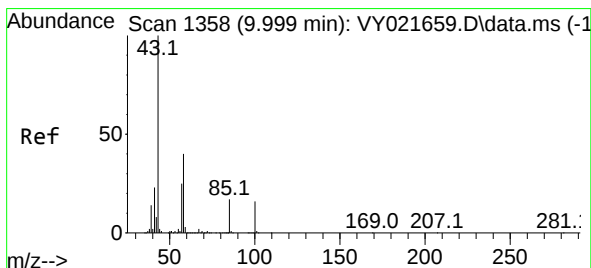
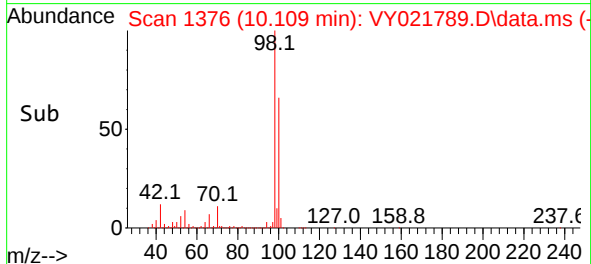
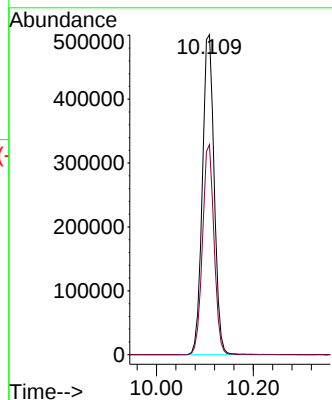
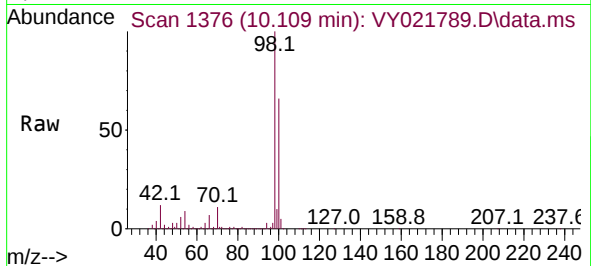




#50
Toluene-d8
Concen: 50.020 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021789.D
Acq: 04 Apr 2025 16:34

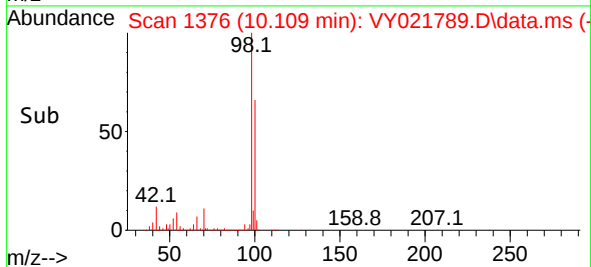
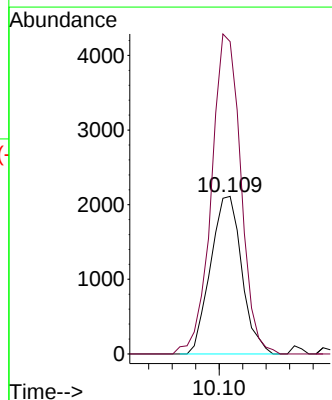
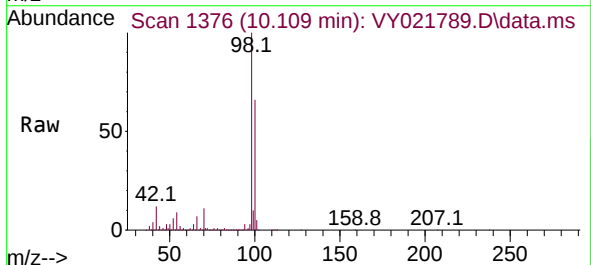
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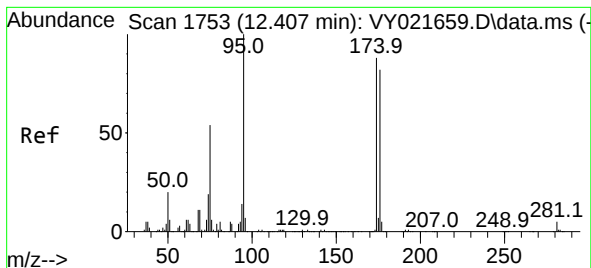
Tgt Ion: 98 Resp: 848224
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.233 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021789.D
Acq: 04 Apr 2025 16:34

Tgt Ion: 43 Resp: 3895
Ion Ratio Lower Upper
43 100
58 191.5 31.5 47.3#

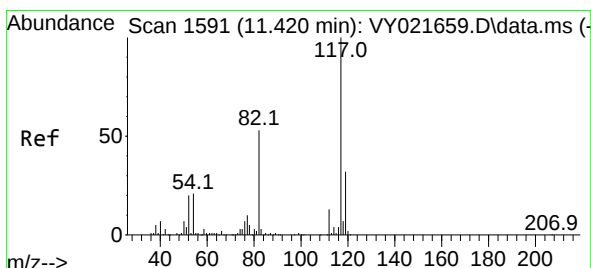
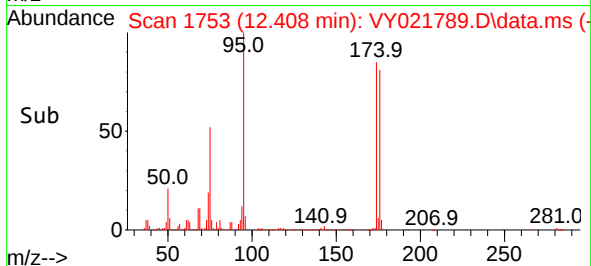
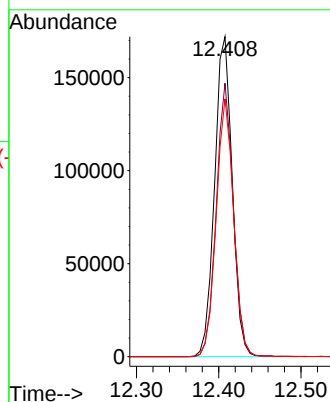
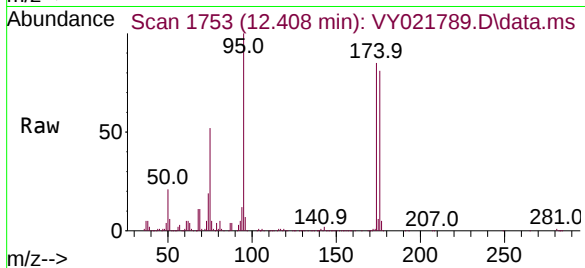




#62
4-Bromofluorobenzene
Concen: 44.770 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021789.D
Acq: 04 Apr 2025 16:34

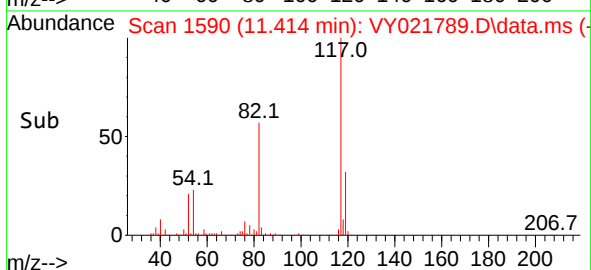
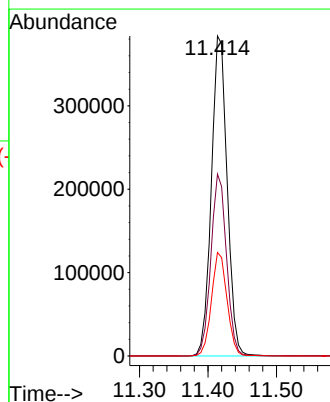
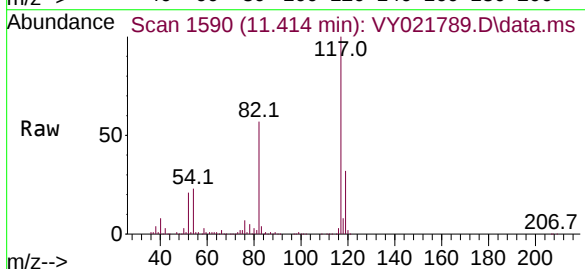
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-26-040325

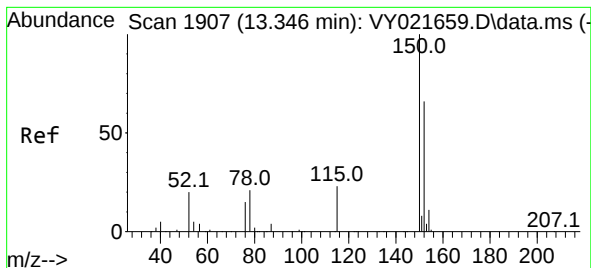
Tgt Ion: 95 Resp: 256795
Ion Ratio Lower Upper
95 100
174 83.1 0.0 170.8
176 79.5 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021789.D
Acq: 04 Apr 2025 16:34

Tgt Ion: 117 Resp: 614248
Ion Ratio Lower Upper
117 100
82 56.8 42.8 64.2
119 32.3 25.7 38.5

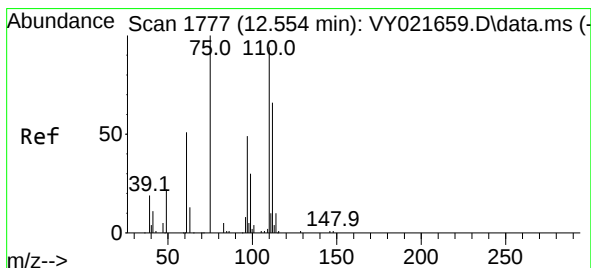
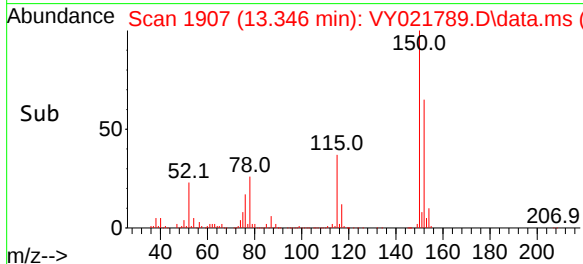
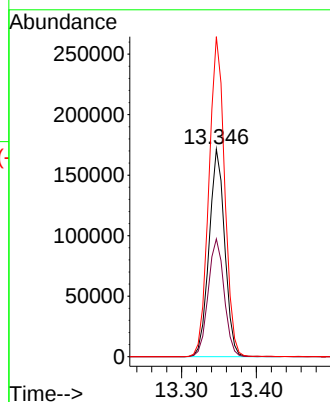
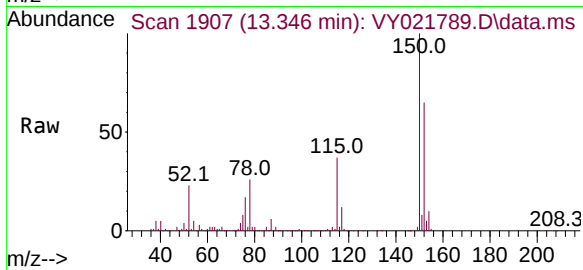




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021789.D
 Acq: 04 Apr 2025 16:34

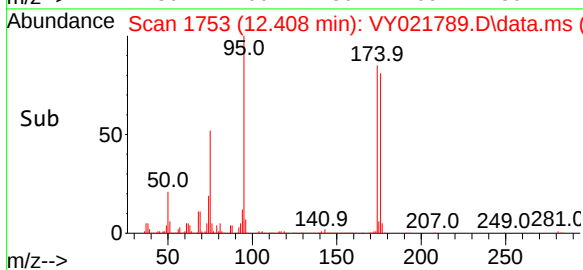
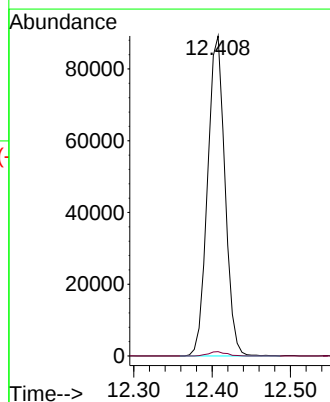
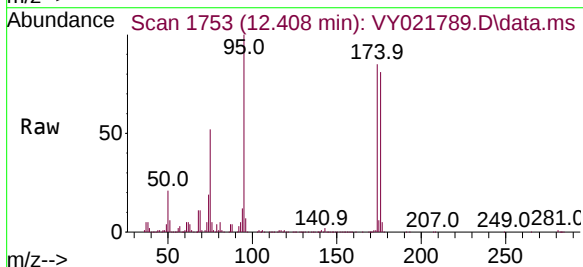
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-26-040325

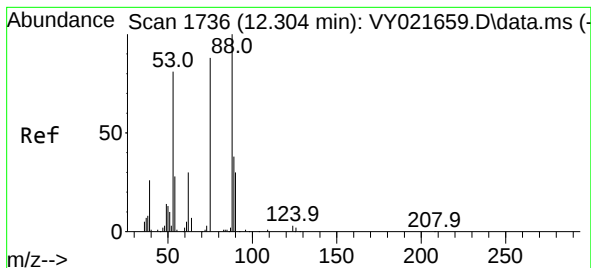
Tgt Ion:152 Resp: 248629
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.8 86.5
 150 155.7 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 55.667 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY021789.D
 Acq: 04 Apr 2025 16:34

Tgt Ion: 75 Resp: 137195
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 128.267 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY021789.D

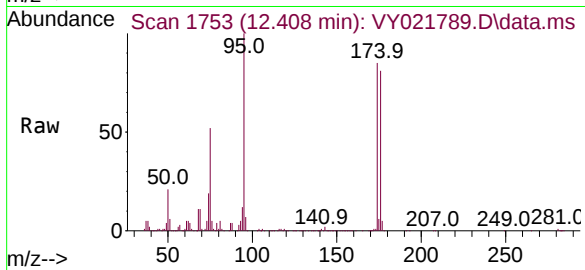
Acq: 04 Apr 2025 16:34

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-26-040325



Tgt Ion: 75 Resp: 137195

Ion Ratio Lower Upper

75 100

53 0.2 76.1 114.1#

89 0.0 36.2 54.4#

