

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011623\
 Data File : VY012206.D
 Acq On : 16 Jan 2023 17:55
 Operator : KP/MD
 Sample : 01159-01
 Misc : 4.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-E

Quant Time: Jan 17 04:50:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	189153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	317654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	299902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139520	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	109553	71.570	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	143.140%
35) Dibromofluoromethane	7.716	113	93929	55.844	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.680%
50) Toluene-d8	10.179	98	373025	65.337	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	130.680%
62) 4-Bromofluorobenzene	12.483	95	123917	52.262	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.520%

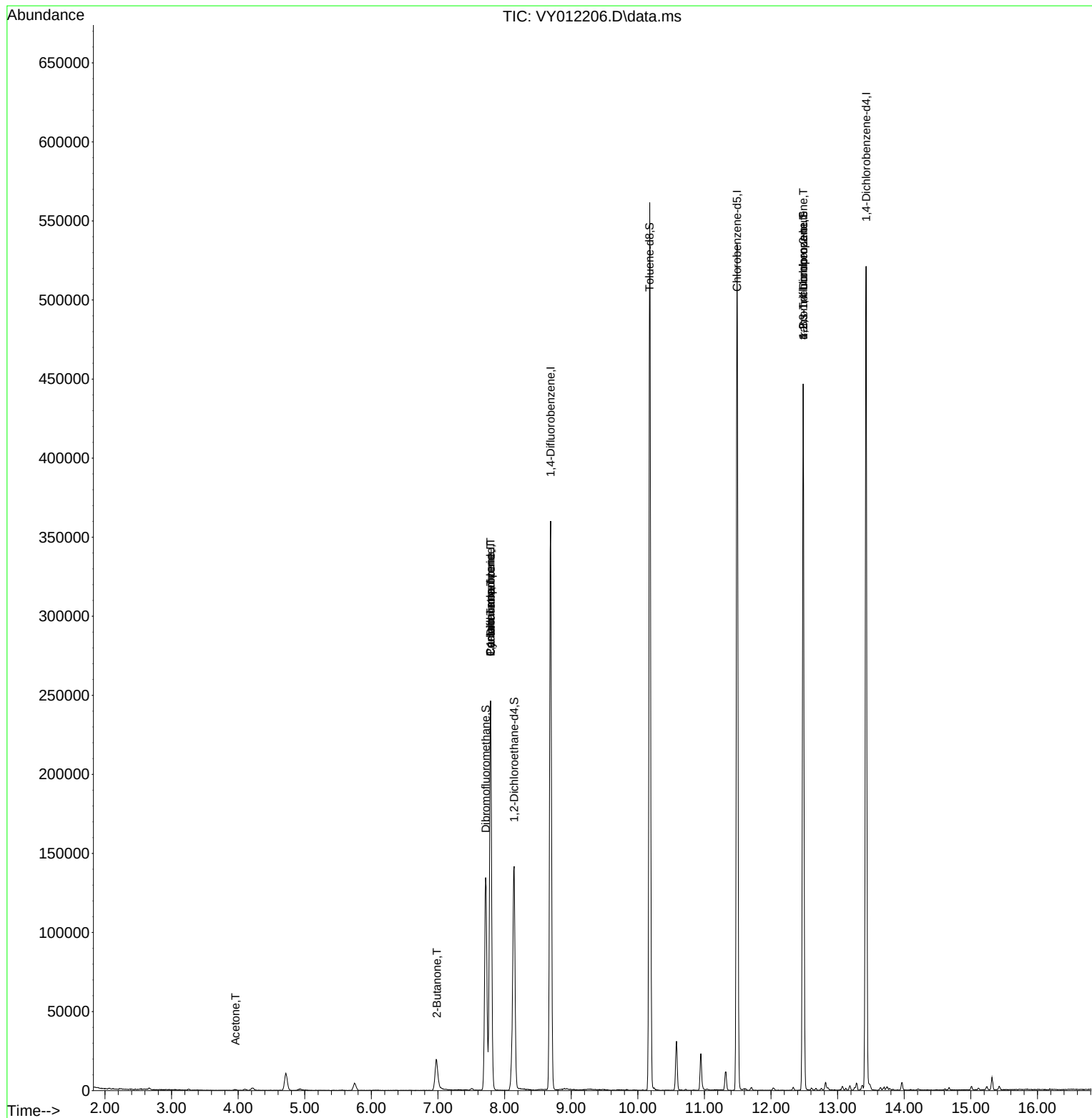
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.917	59	557	Below Cal	#	74
16) Acetone	3.960	43	836	1.587	ug/l	# 80
20) Methylene Chloride	4.716	84	8805	Below Cal		84
25) 2-Butanone	6.984	43	951	1.635	ug/l	# 46
31) Cyclohexane	7.789	56	3237	1.174	ug/l	# 18
36) 1,1-Dichloropropene	7.789	75	13186	4.613	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	19212	5.204	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	67757	52.814	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	67757	108.820	ug/l	# 13

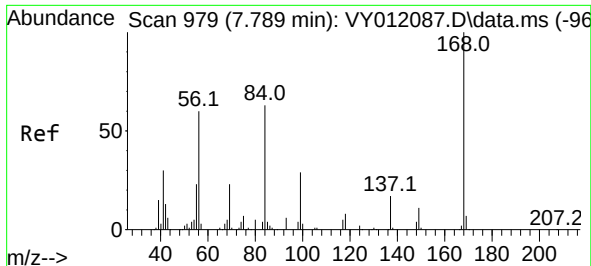
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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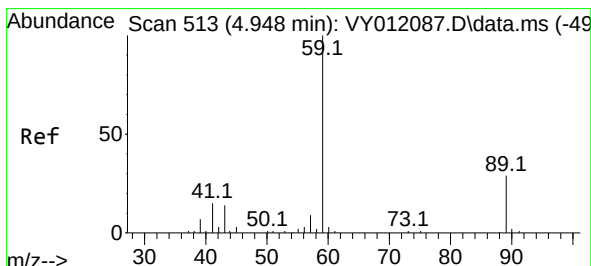
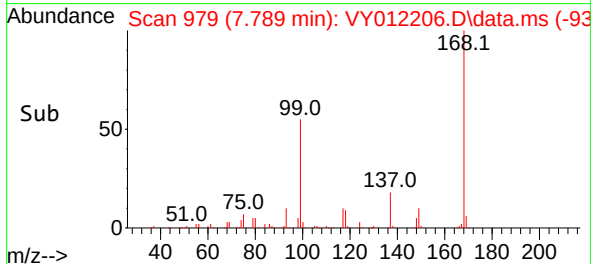
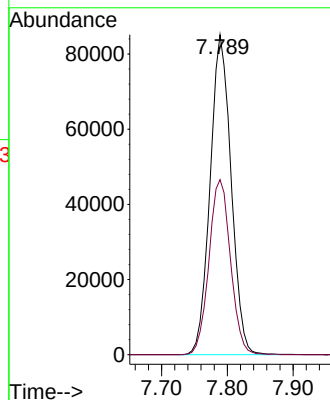
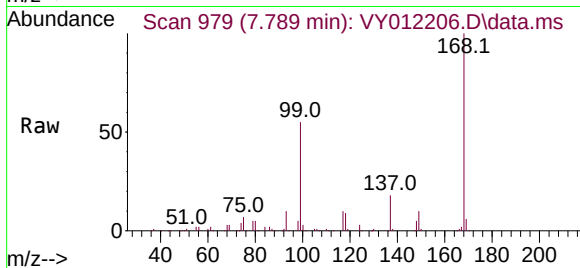




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012206.D
Acq: 16 Jan 2023 17:55

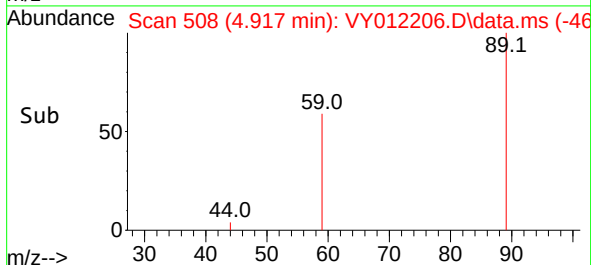
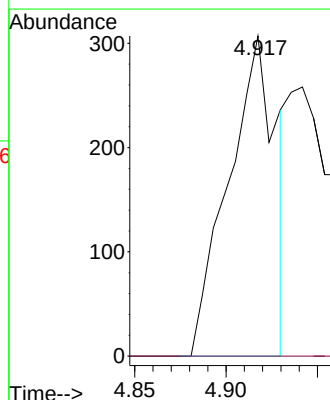
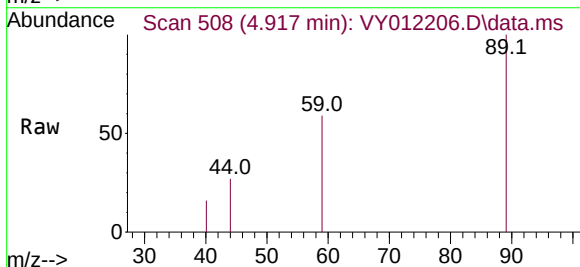
Instrument :
MSVOA_Y
ClientSampleId :
TP-E

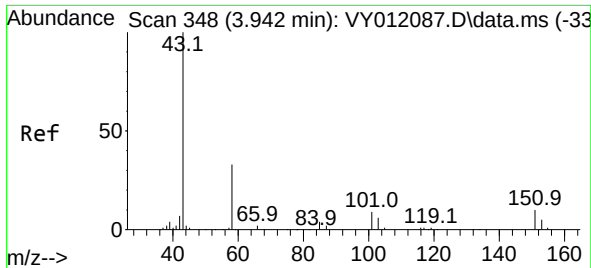
Tgt Ion:168 Resp: 189153
Ion Ratio Lower Upper
168 100
99 54.7 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.917 min Scan# 508
Delta R.T. -0.031 min
Lab File: VY012206.D
Acq: 16 Jan 2023 17:55

Tgt Ion: 59 Resp: 557
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 1.587 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.018 min

Lab File: VY012206.D

Acq: 16 Jan 2023 17:55

Instrument :

MSVOA_Y

ClientSampleId :

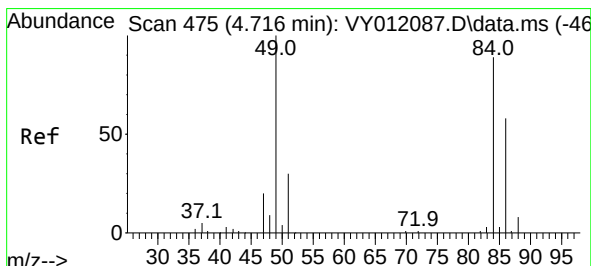
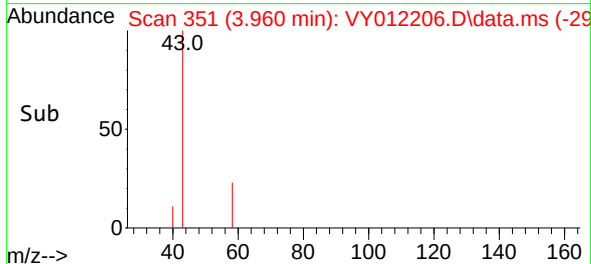
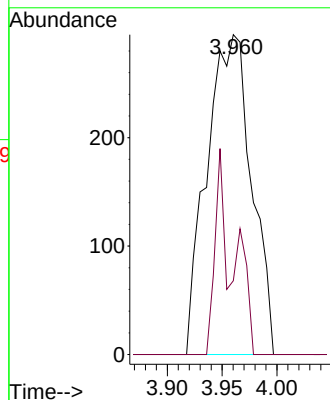
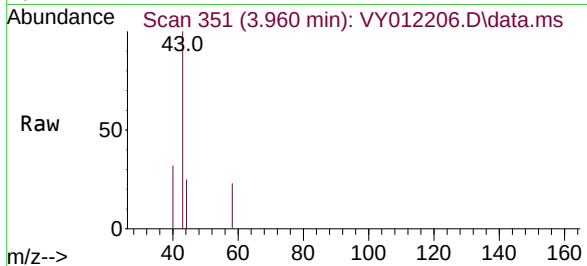
TP-E

Tgt Ion: 43 Resp: 836

Ion Ratio Lower Upper

43 100

58 23.1 27.9 41.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012206.D

Acq: 16 Jan 2023 17:55

Tgt Ion: 84 Resp: 8805

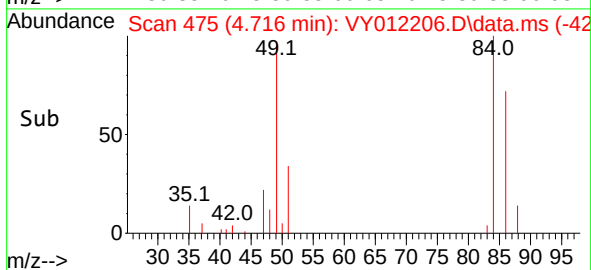
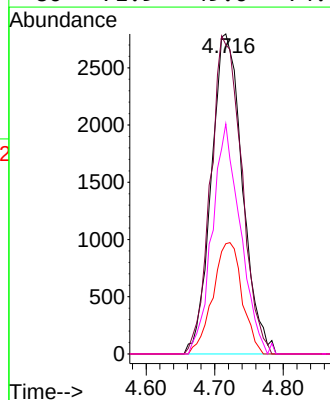
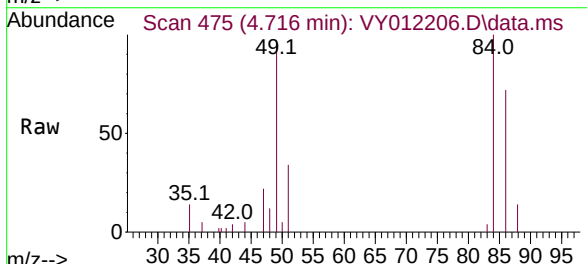
Ion Ratio Lower Upper

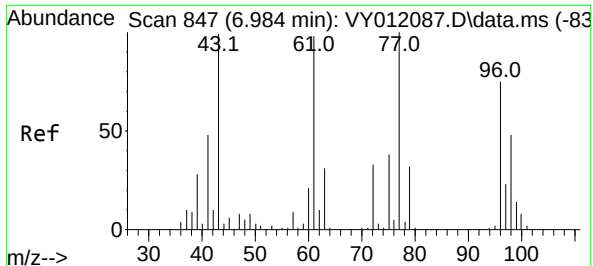
84 100

49 96.7 95.4 143.2

51 34.4 29.9 44.9

86 71.9 49.6 74.4





#25

2-Butanone

Concen: 1.635 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012206.D

Acq: 16 Jan 2023 17:55

Instrument :

MSVOA_Y

ClientSampleId :

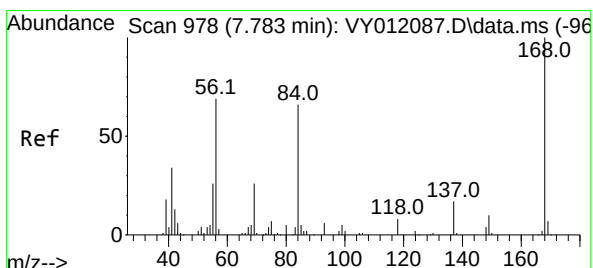
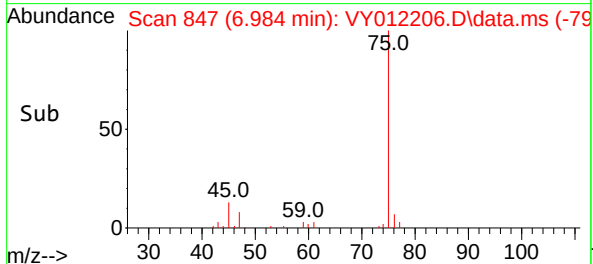
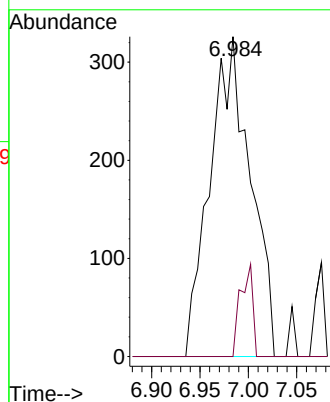
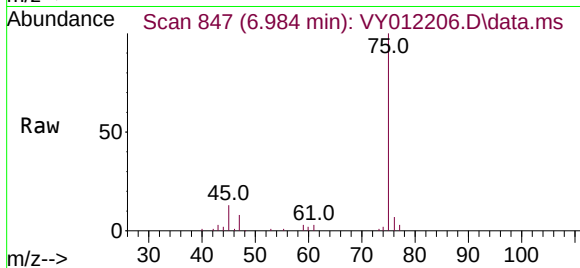
TP-E

Tgt Ion: 43 Resp: 951

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012206.D

Acq: 16 Jan 2023 17:55

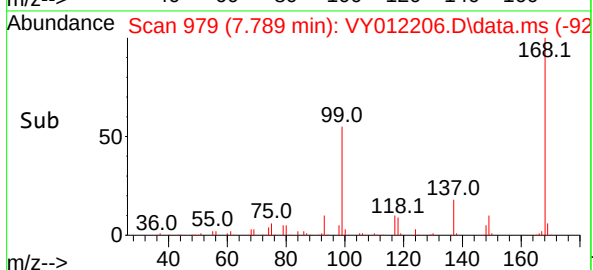
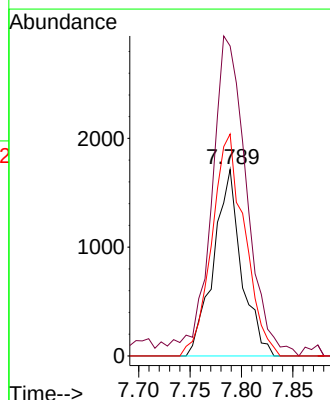
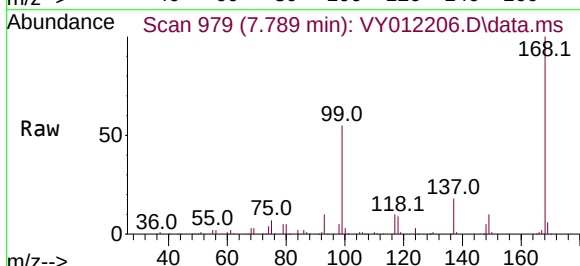
Tgt Ion: 56 Resp: 3237

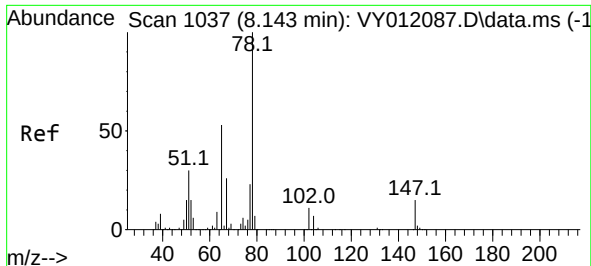
Ion Ratio Lower Upper

56 100

69 161.2 29.2 43.8#

84 118.9 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 71.570 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012206.D

Acq: 16 Jan 2023 17:55

Instrument :

MSVOA_Y

ClientSampleId :

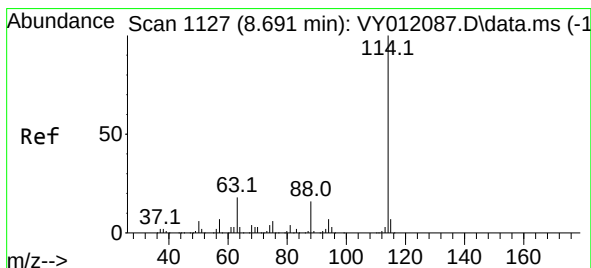
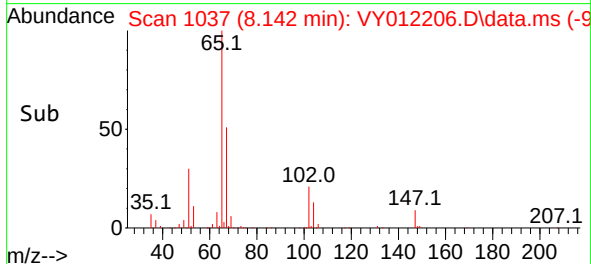
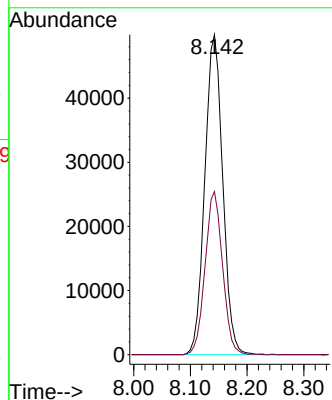
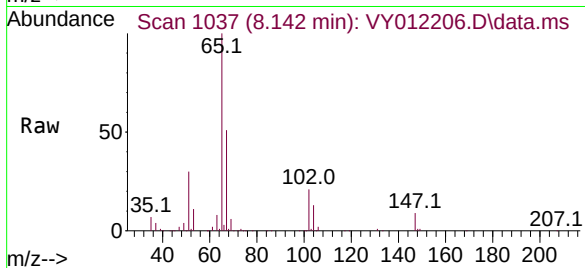
TP-E

Tgt Ion: 65 Resp: 109553

Ion Ratio Lower Upper

65 100

67 49.7 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012206.D

Acq: 16 Jan 2023 17:55

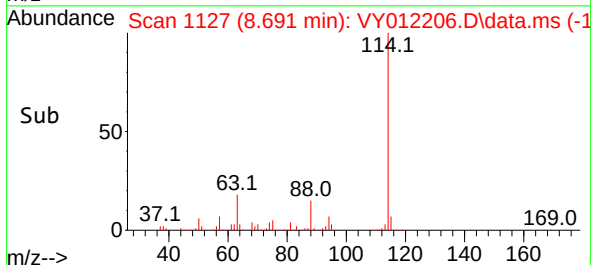
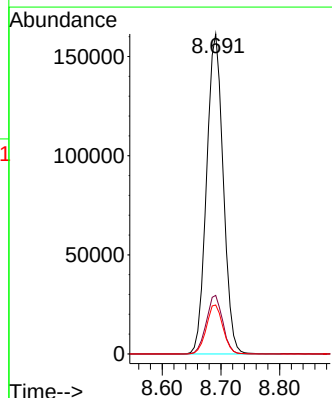
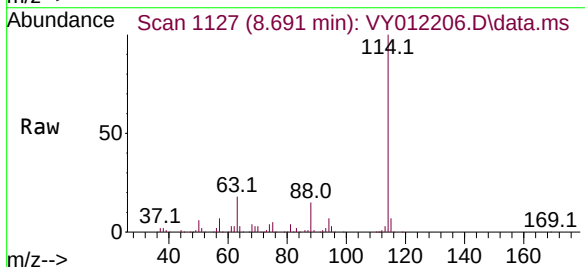
Tgt Ion: 114 Resp: 317654

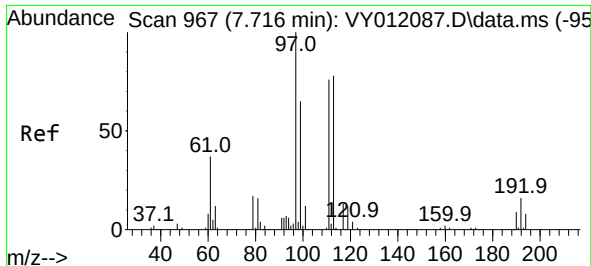
Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 15.3 0.0 32.2

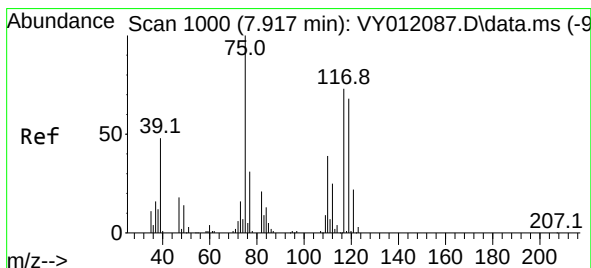
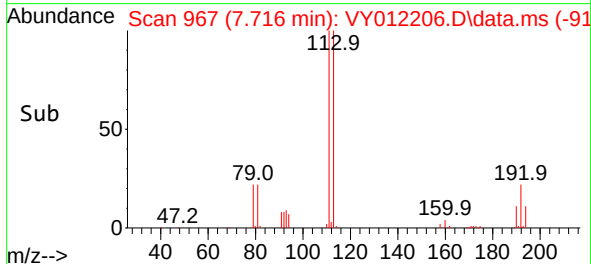
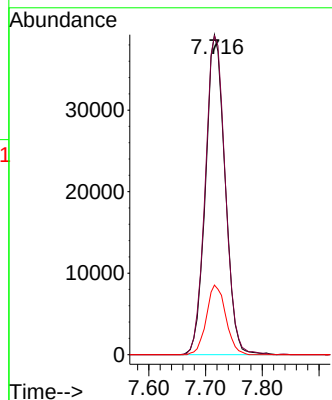
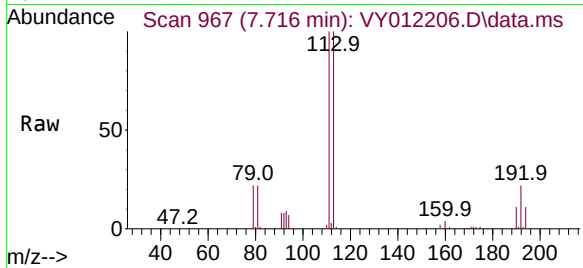




#35
Dibromofluoromethane
Concen: 55.844 ug/l
RT: 7.716 min Scan# 912
Delta R.T. -0.000 min
Lab File: VY012206.D
Acq: 16 Jan 2023 17:55

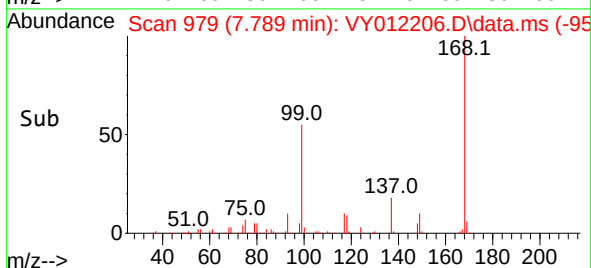
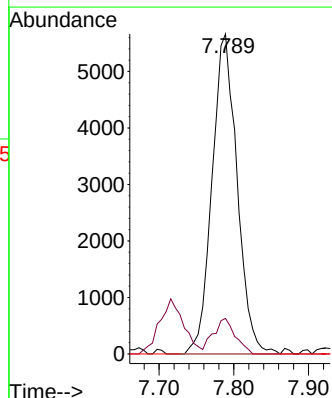
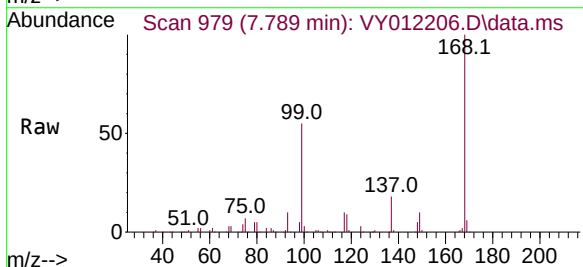
Instrument :
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TP-E

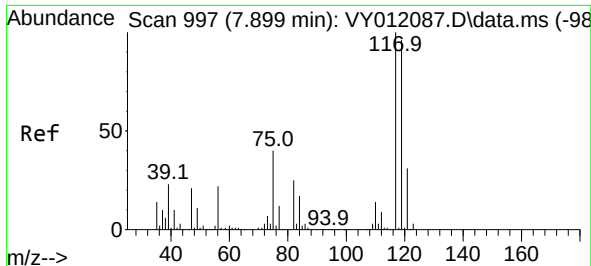
Tgt Ion:113 Resp: 93929
Ion Ratio Lower Upper
113 100
111 102.0 83.0 124.4
192 21.6 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.613 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012206.D
Acq: 16 Jan 2023 17:55

Tgt Ion: 75 Resp: 13186
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.1#
77 0.0 25.1 37.7#

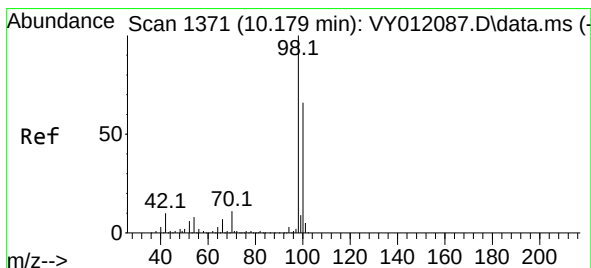
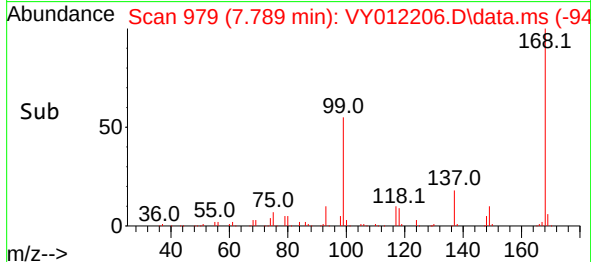
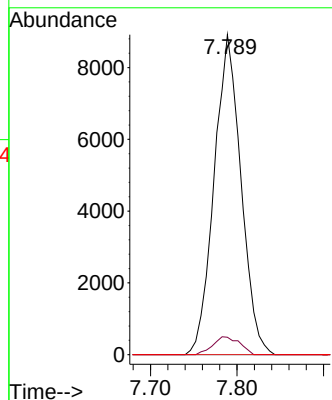
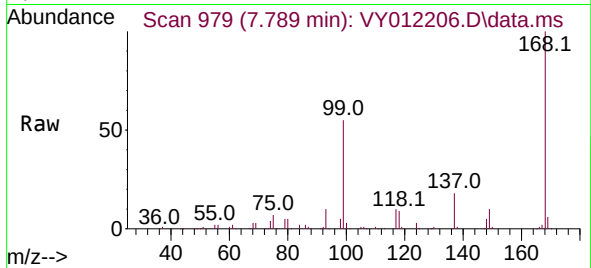




#38
Carbon Tetrachloride
Concen: 5.204 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012206.D
Acq: 16 Jan 2023 17:55

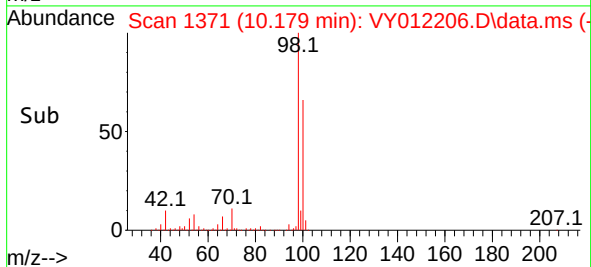
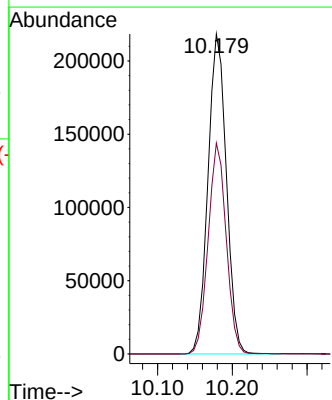
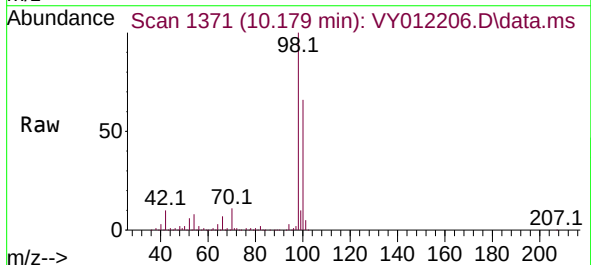
Instrument :
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ClientSampleId :
TP-E

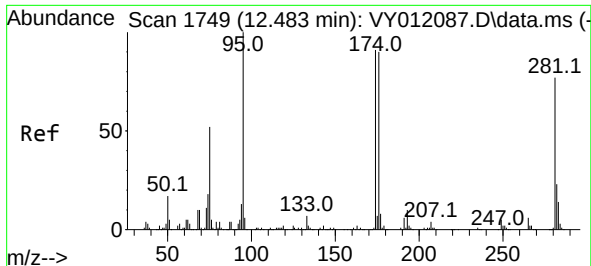
Tgt Ion:117 Resp: 19212
Ion Ratio Lower Upper
117 100
119 5.5 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 65.337 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012206.D
Acq: 16 Jan 2023 17:55

Tgt Ion: 98 Resp: 373025
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

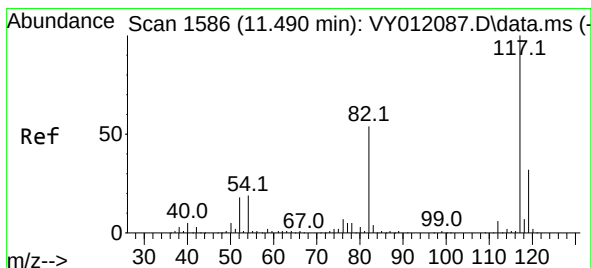
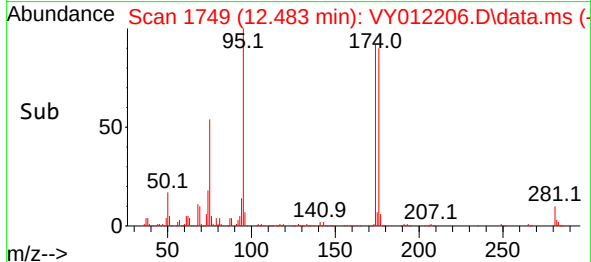
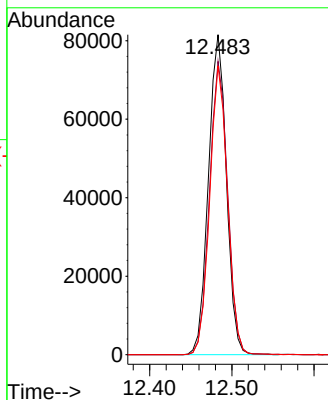
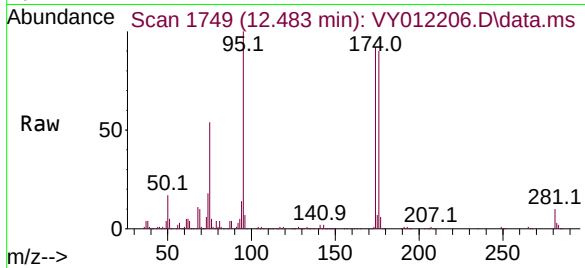




#62
4-Bromofluorobenzene
Concen: 52.262 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012206.D
Acq: 16 Jan 2023 17:55

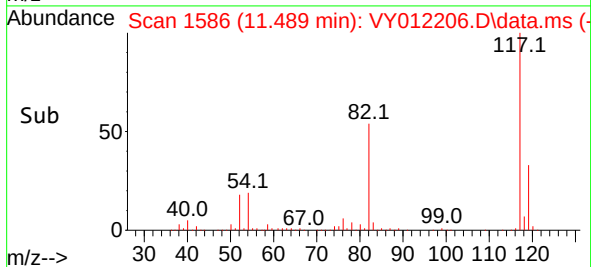
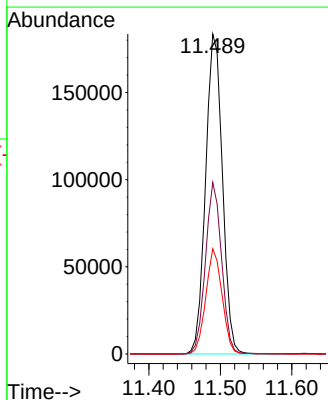
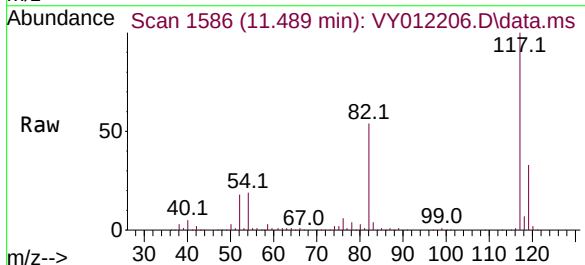
Instrument :
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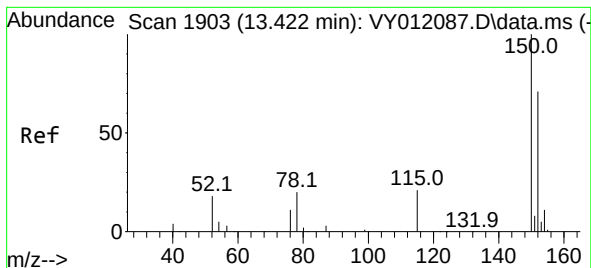
Tgt Ion: 95 Resp: 123917
Ion Ratio Lower Upper
95 100
174 92.6 0.0 172.0
176 89.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012206.D
Acq: 16 Jan 2023 17:55

Tgt Ion: 117 Resp: 299902
Ion Ratio Lower Upper
117 100
82 53.6 44.8 67.2
119 32.9 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY012206.D

Acq: 16 Jan 2023 17:55

Instrument :

MSVOA_Y

ClientSampleId :

TP-E

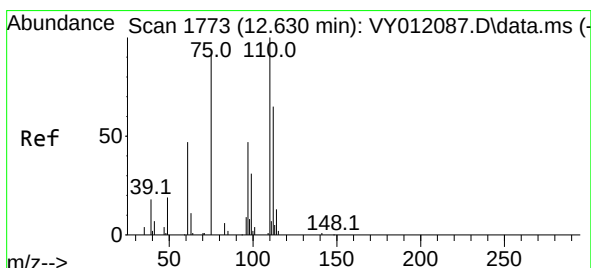
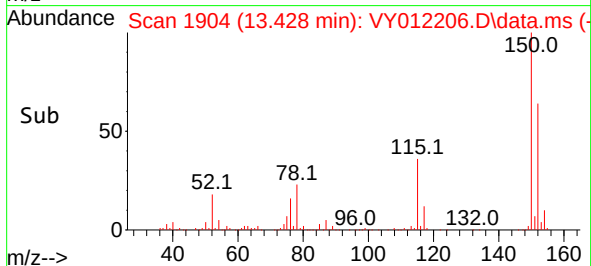
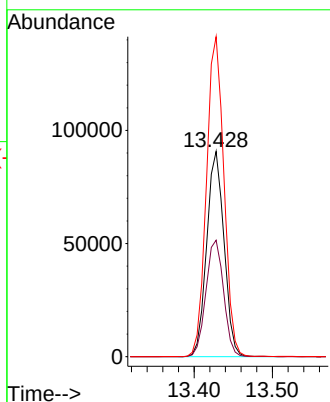
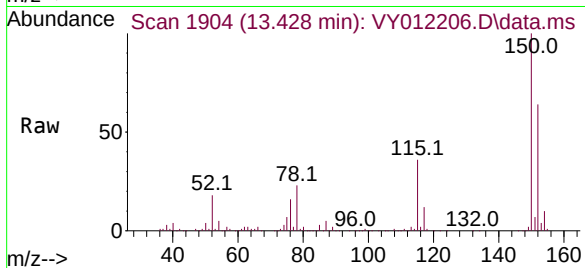
Tgt Ion:152 Resp: 139520

Ion Ratio Lower Upper

152 100

115 57.9 29.1 87.3

150 156.5 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 52.814 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012206.D

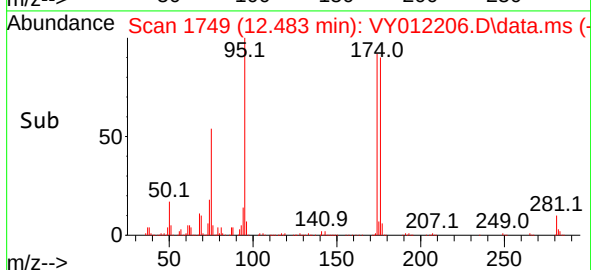
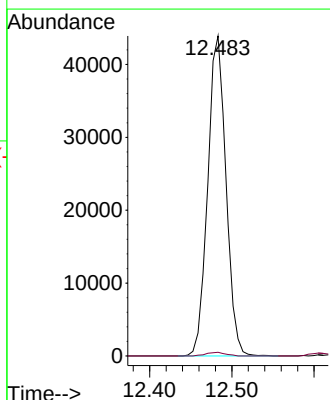
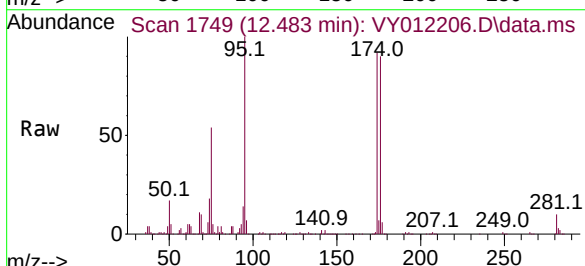
Acq: 16 Jan 2023 17:55

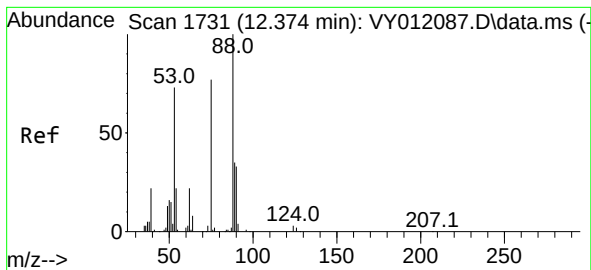
Tgt Ion: 75 Resp: 67757

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.820 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012206.D
 Acq: 16 Jan 2023 17:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-E

Tgt Ion: 75 Resp: 67757
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

