

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017969.D
 Acq On : 18 Apr 2024 12:28
 Operator : SY/MD
 Sample : P2148-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11935

Quant Time: Apr 19 01:59:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:24:42 2024
 Response via : Initial Calibration

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

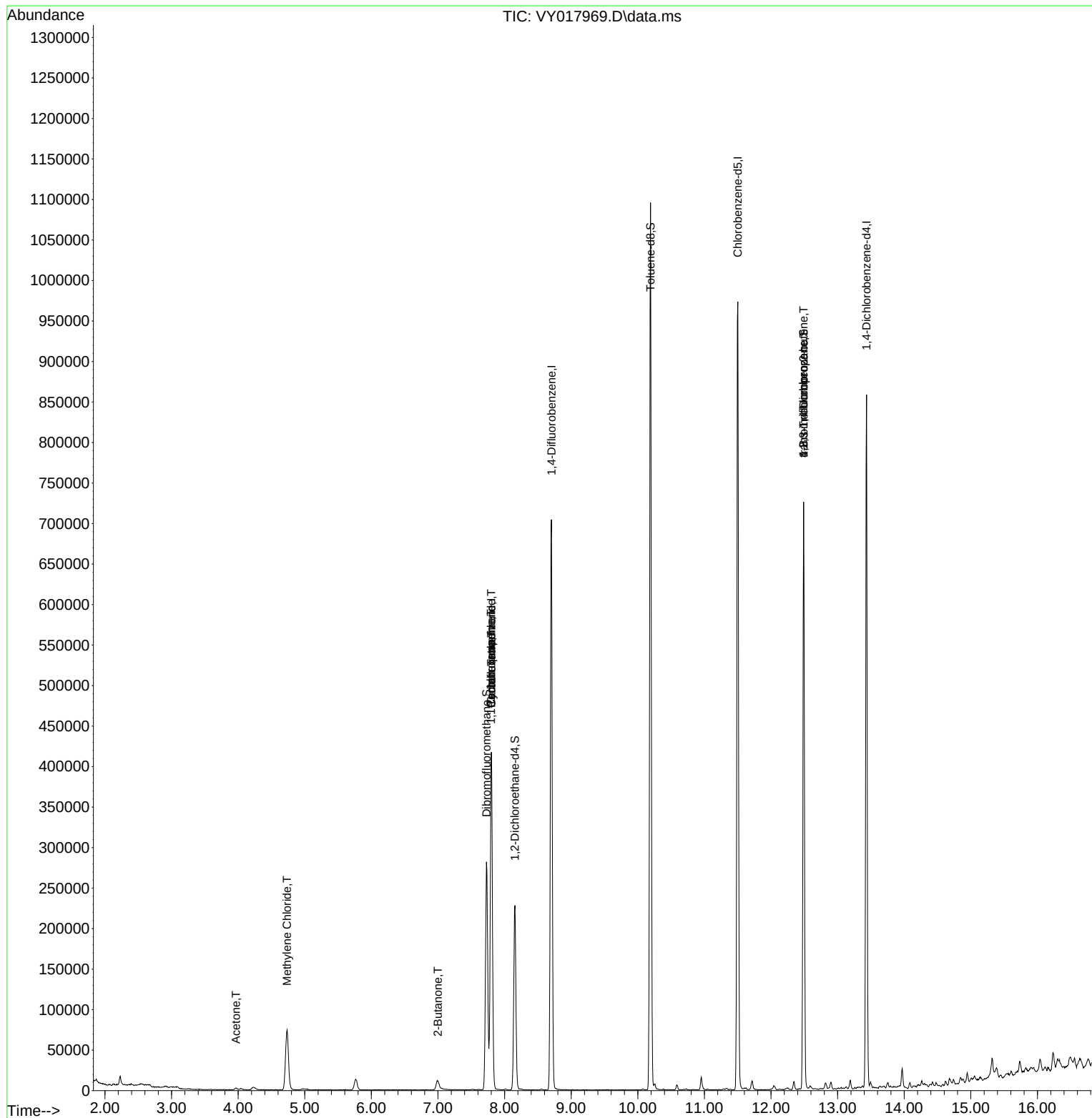
Internal Standards						
1) Pentafluorobenzene	7.801	168	357864	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	637305	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	587683	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	237124	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	172788	55.79	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.58%
35) Dibromofluoromethane	7.728	113	203456	51.75	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.50%
50) Toluene-d8	10.191	98	733543	49.17	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.34%
62) 4-Bromofluorobenzene	12.489	95	214913	46.51	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.02%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	2800	Below Cal		99
16) Acetone	3.966	43	3771	6.16 ug/l		89
20) Methylene Chloride	4.735	84	61854	14.92 ug/l		97
25) 2-Butanone	6.996	43	940	1.05 ug/l #		41
31) Cyclohexane	7.801	56	6155	1.04 ug/l #		1
36) 1,1-Dichloropropene	7.795	75	24273	4.25 ug/l #		48
38) Carbon Tetrachloride	7.801	117	31133	5.39 ug/l #		17
76) 1,2,3-Trichloropropane	12.489	75	103150	46.36 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.489	75	103150	95.58 ug/l #		16

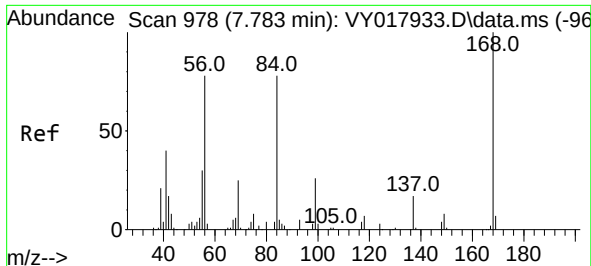
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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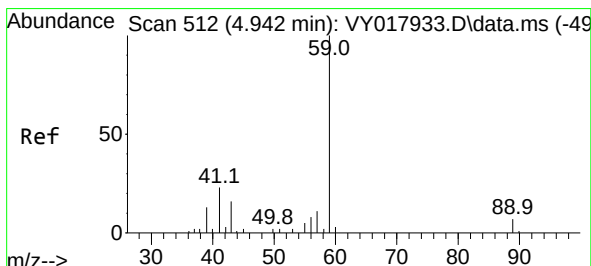
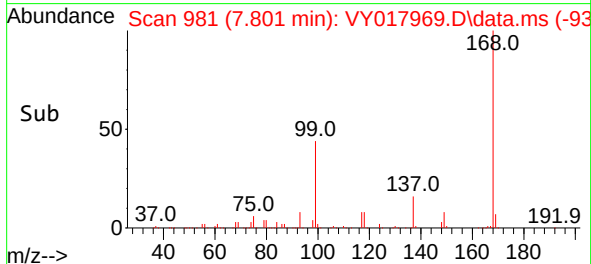
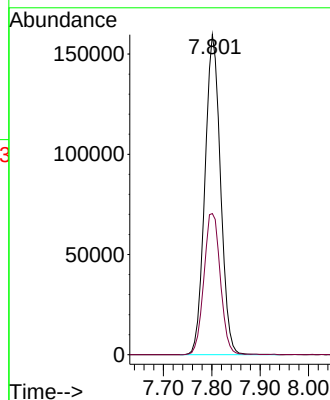
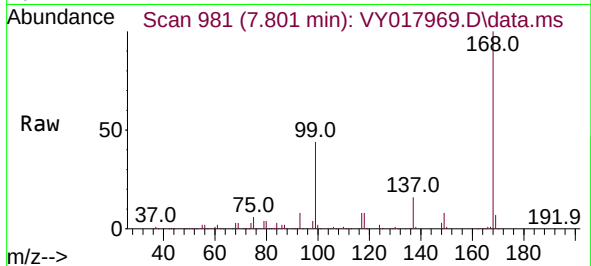




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017969.D
Acq: 18 Apr 2024 12:28

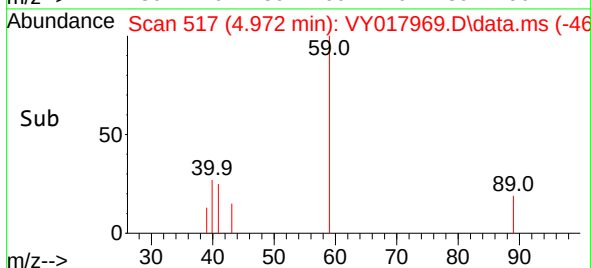
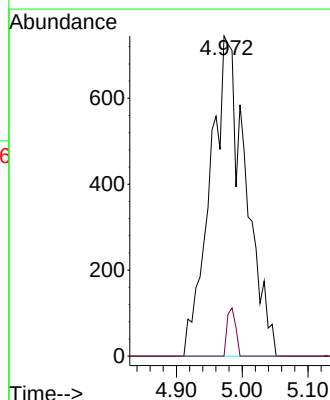
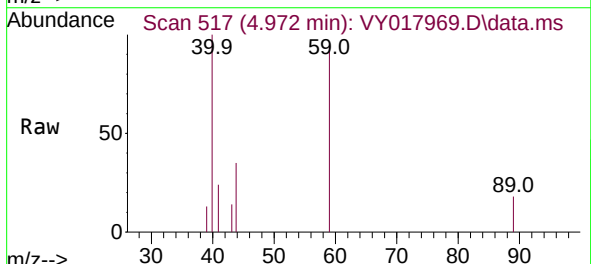
Instrument :
MSVOA_Y
ClientSampleId :
72-11935

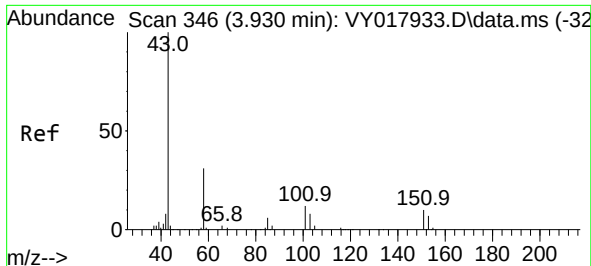
Tgt Ion:168 Resp: 357864
Ion Ratio Lower Upper
168 100
99 44.1 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.018 min
Lab File: VY017969.D
Acq: 18 Apr 2024 12:28

Tgt Ion: 59 Resp: 2800
Ion Ratio Lower Upper
59 100
57 3.6 3.0 4.6





#16

Acetone

Concen: 6.16 ug/l

RT: 3.966 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY017969.D

Acq: 18 Apr 2024 12:28

Instrument :

MSVOA_Y

ClientSampleId :

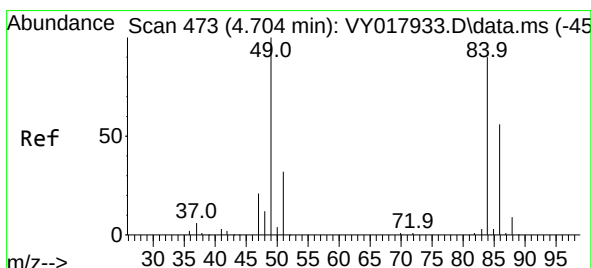
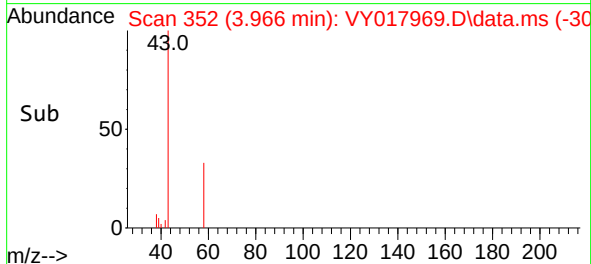
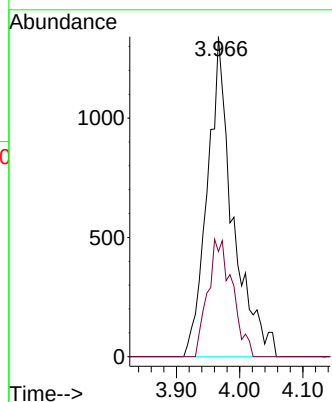
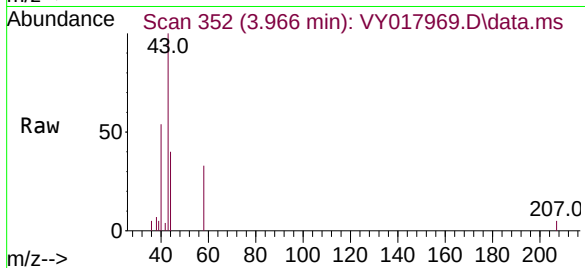
72-11935

Tgt Ion: 43 Resp: 3771

Ion Ratio Lower Upper

43 100

58 32.9 31.7 47.5



#20

Methylene Chloride

Concen: 14.92 ug/l

RT: 4.735 min Scan# 478

Delta R.T. 0.018 min

Lab File: VY017969.D

Acq: 18 Apr 2024 12:28

Tgt Ion: 84 Resp: 61854

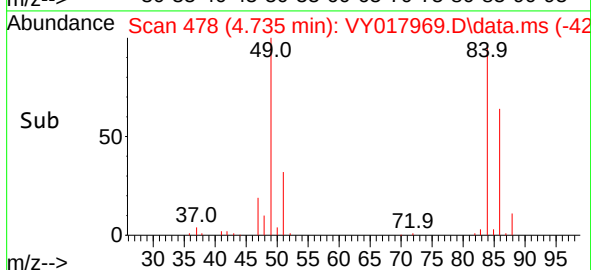
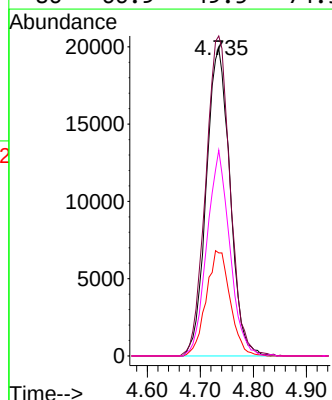
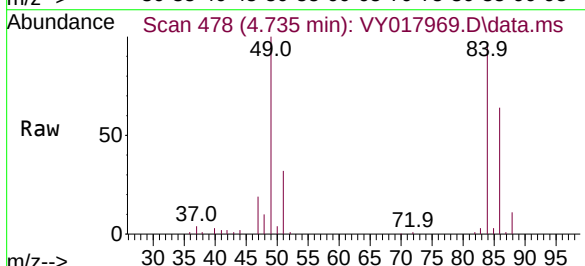
Ion Ratio Lower Upper

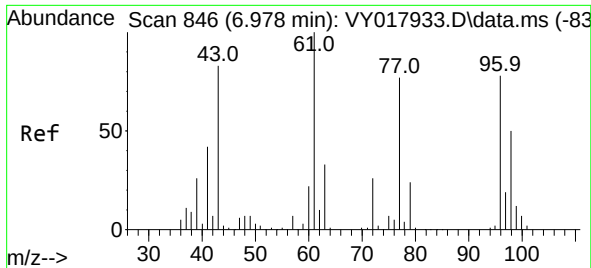
84 100

49 104.0 84.4 126.6

51 33.5 26.0 39.0

86 66.9 49.5 74.3

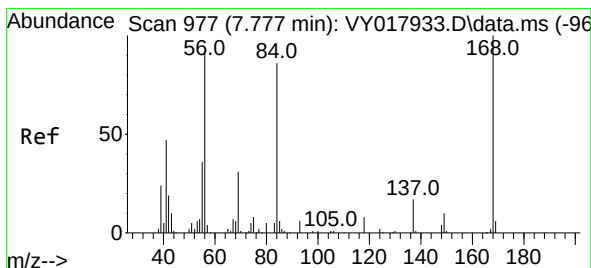
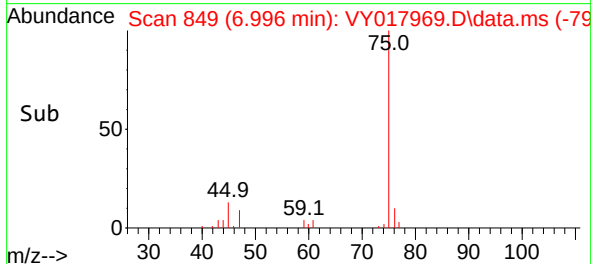
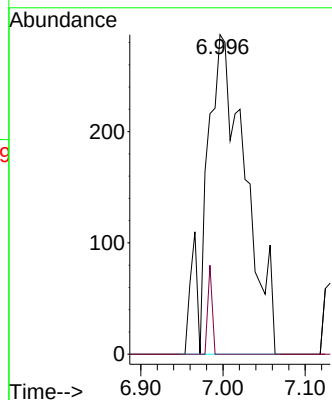
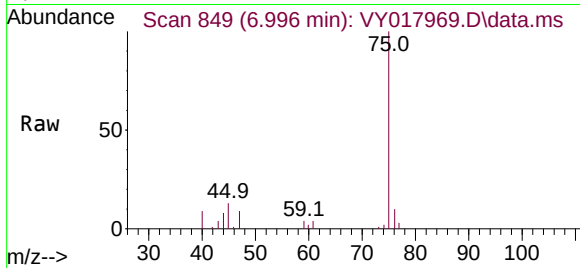




#25
2-Butanone
Concen: 1.05 ug/l
RT: 6.996 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY017969.D
Acq: 18 Apr 2024 12:28

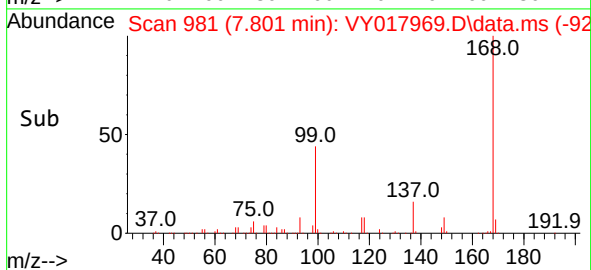
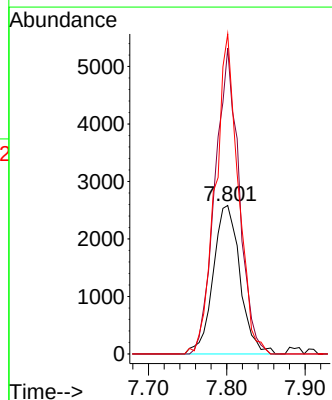
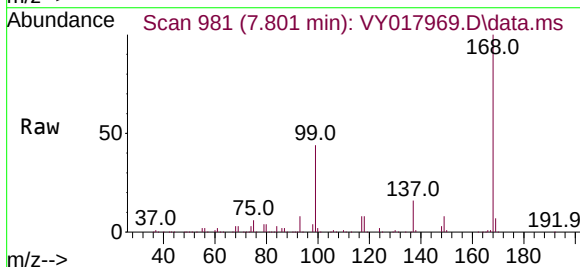
Instrument :
MSVOA_Y
ClientSampleId :
72-11935

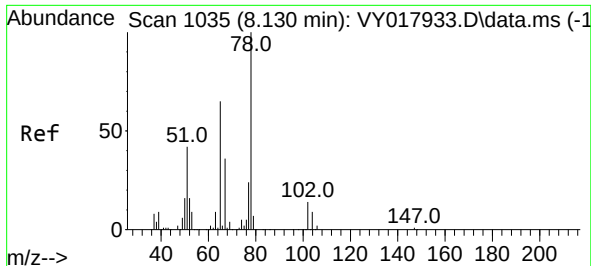
Tgt Ion: 43 Resp: 940
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#31
Cyclohexane
Concen: 1.04 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY017969.D
Acq: 18 Apr 2024 12:28

Tgt Ion: 56 Resp: 6155
Ion Ratio Lower Upper
56 100
69 205.8 28.7 43.1#
84 215.5 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 55.79 ug/l

RT: 8.155 min Scan# 1109

Delta R.T. 0.012 min

Lab File: VY017969.D

Acq: 18 Apr 2024 12:28

Instrument :

MSVOA_Y

ClientSampleId :

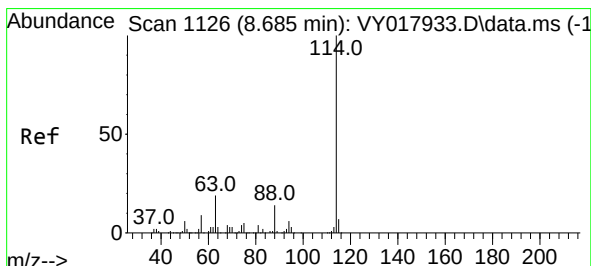
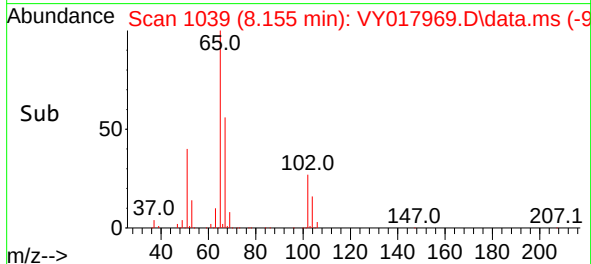
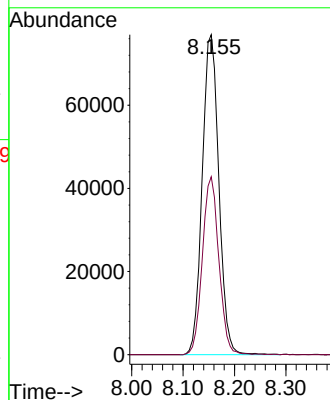
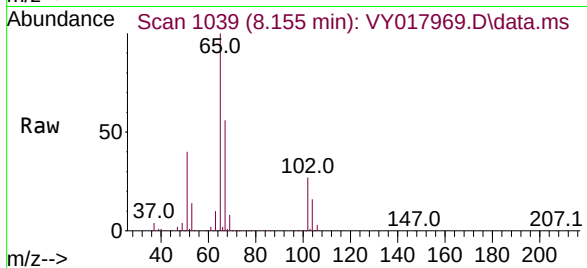
72-11935

Tgt Ion: 65 Resp: 172788

Ion Ratio Lower Upper

65 100

67 55.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.012 min

Lab File: VY017969.D

Acq: 18 Apr 2024 12:28

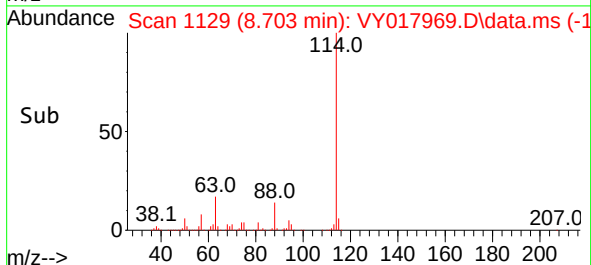
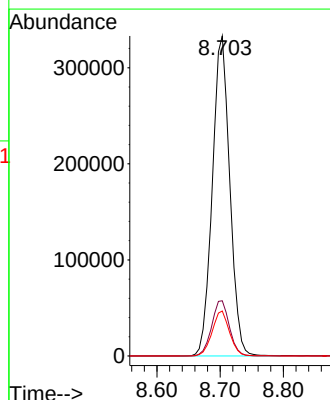
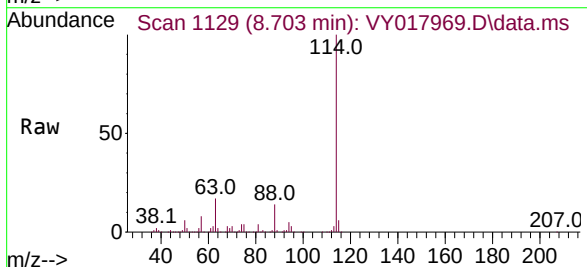
Tgt Ion: 114 Resp: 637305

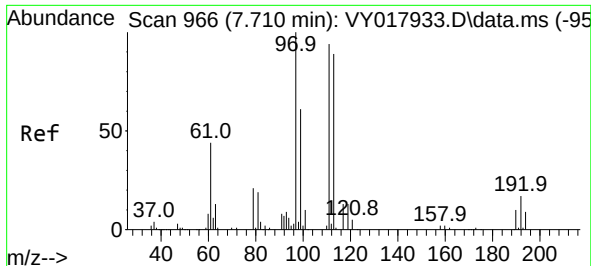
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

88 14.0 0.0 27.2

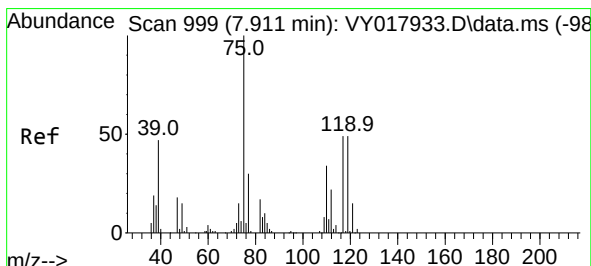
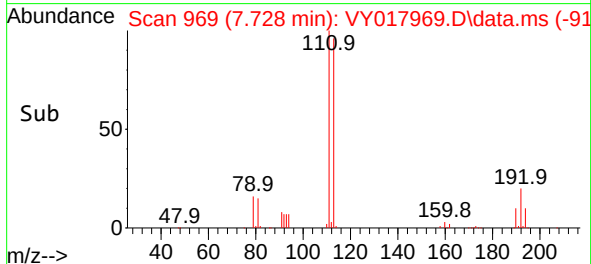
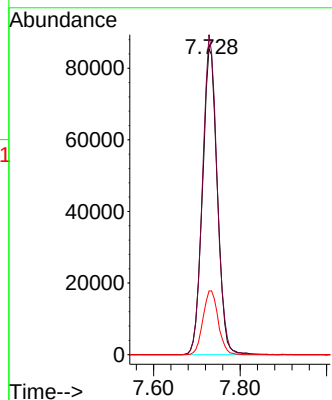
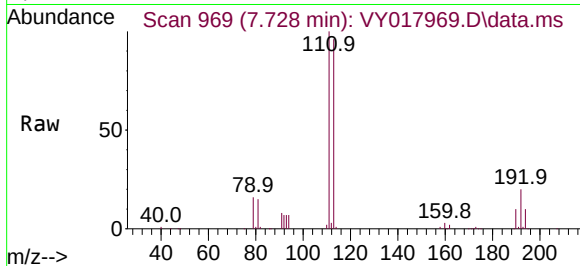




#35
Dibromofluoromethane
Concen: 51.75 ug/l
RT: 7.728 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017969.D
Acq: 18 Apr 2024 12:28

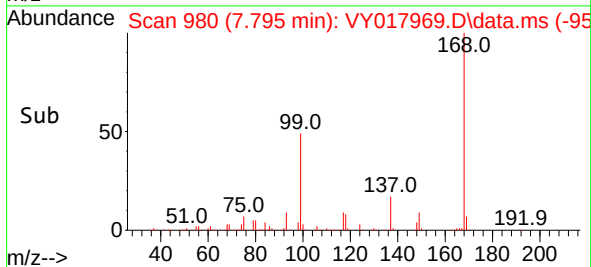
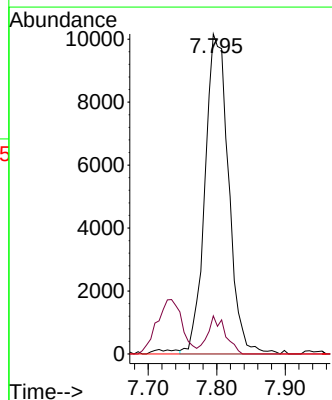
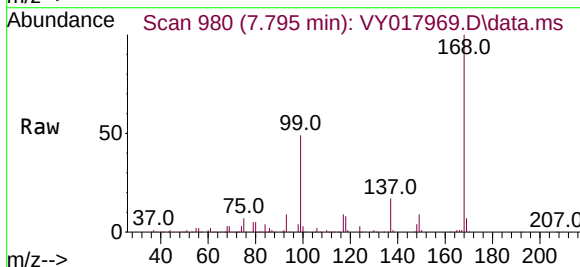
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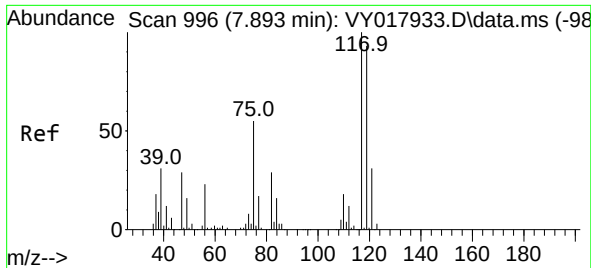
Tgt Ion:113 Resp: 203456
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.4
192 21.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.25 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY017969.D
Acq: 18 Apr 2024 12:28

Tgt Ion: 75 Resp: 24273
Ion Ratio Lower Upper
75 100
110 9.0 19.0 57.0#
77 0.0 25.3 37.9#

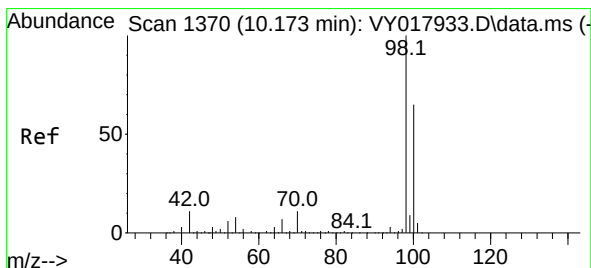
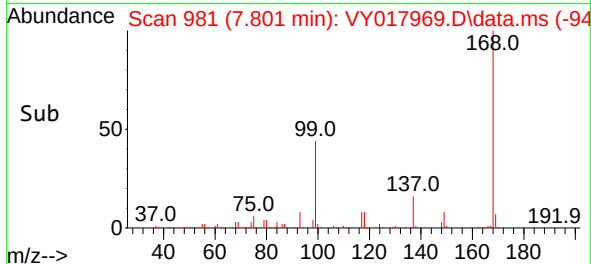
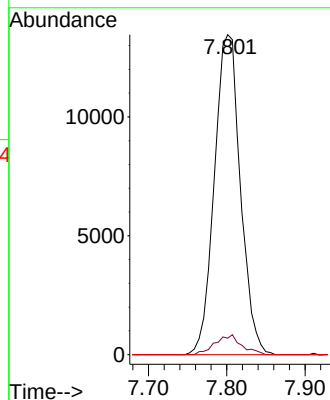
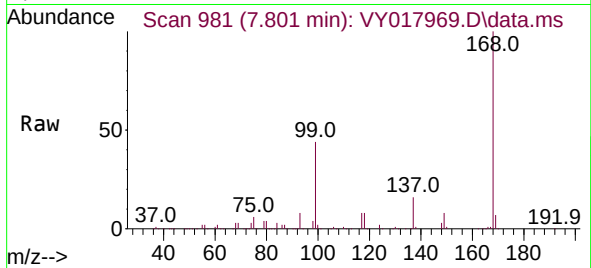




#38
Carbon Tetrachloride
Concen: 5.39 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY017969.D
Acq: 18 Apr 2024 12:28

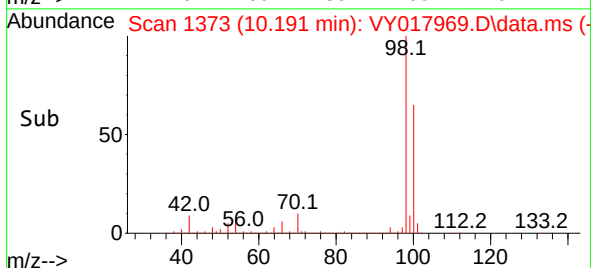
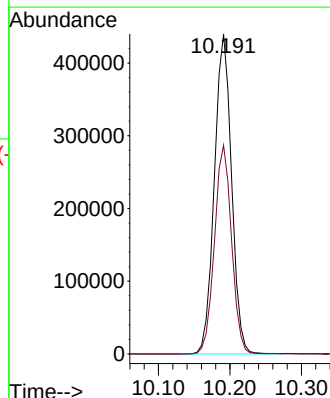
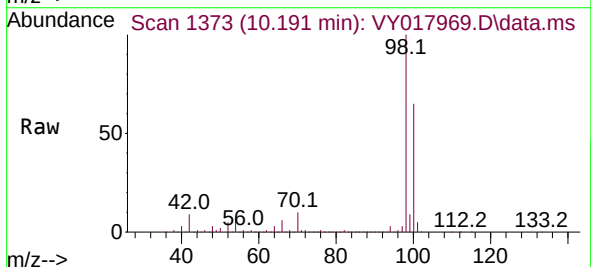
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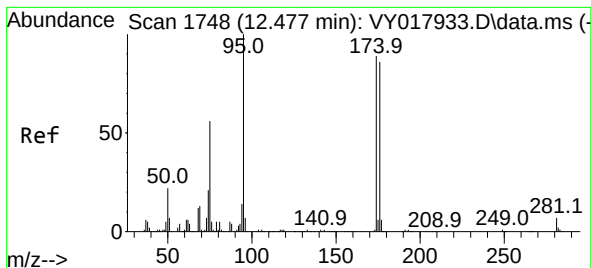
Tgt Ion:117 Resp: 31133
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.17 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.012 min
Lab File: VY017969.D
Acq: 18 Apr 2024 12:28

Tgt Ion: 98 Resp: 733543
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

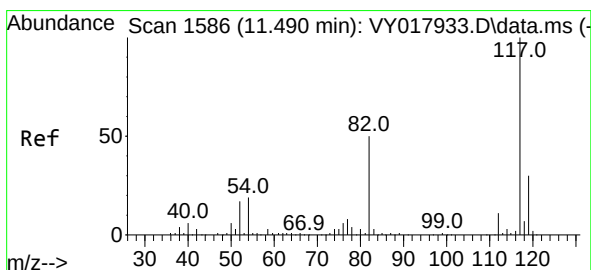
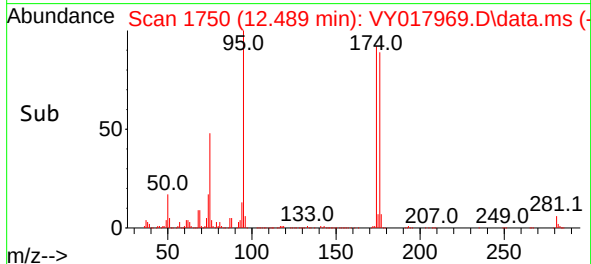
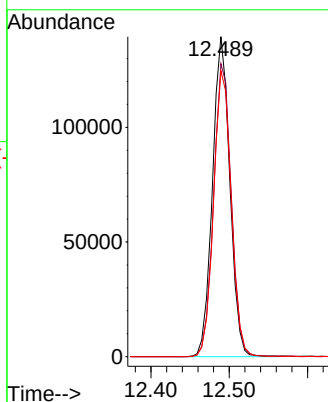
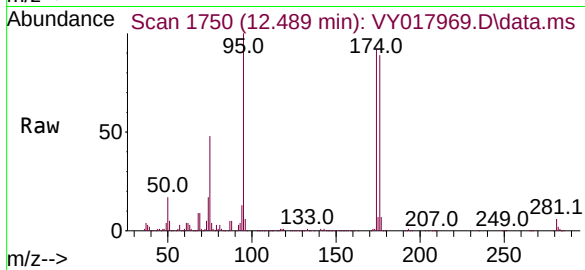




#62
4-Bromofluorobenzene
Concen: 46.51 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017969.D
Acq: 18 Apr 2024 12:28

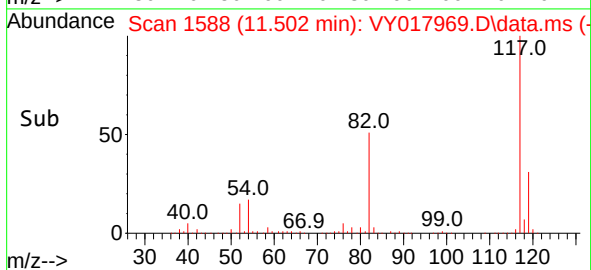
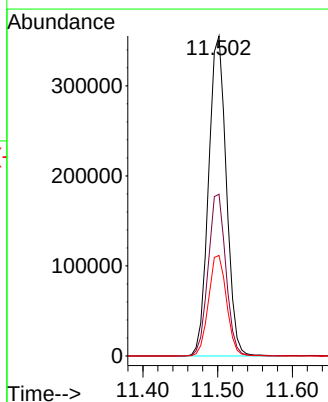
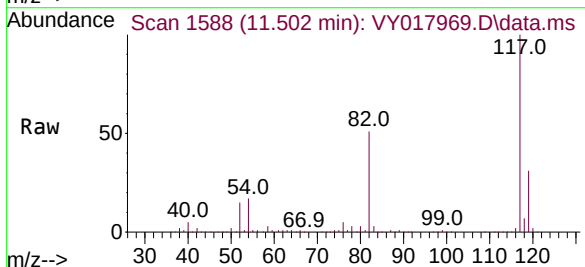
Instrument :
MSVOA_Y
ClientSampleId :
72-11935

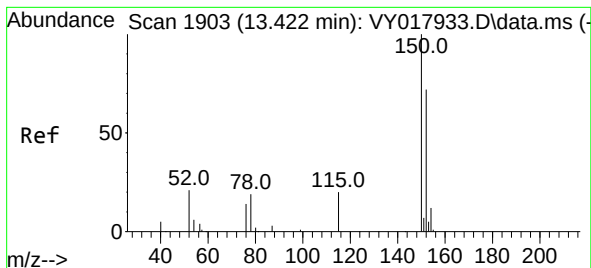
Tgt Ion: 95 Resp: 214913
Ion Ratio Lower Upper
95 100
174 93.4 0.0 175.6
176 90.9 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.012 min
Lab File: VY017969.D
Acq: 18 Apr 2024 12:28

Tgt Ion: 117 Resp: 587683
Ion Ratio Lower Upper
117 100
82 50.5 42.4 63.6
119 31.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.434 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY017969.D

Acq: 18 Apr 2024 12:28

Instrument :

MSVOA_Y

ClientSampleId :

72-11935

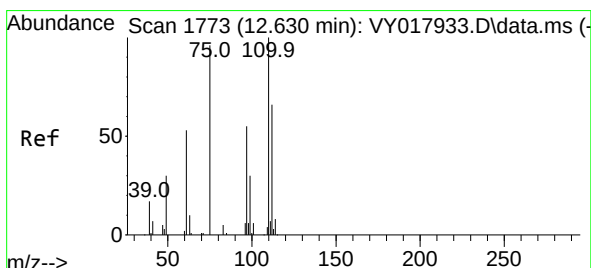
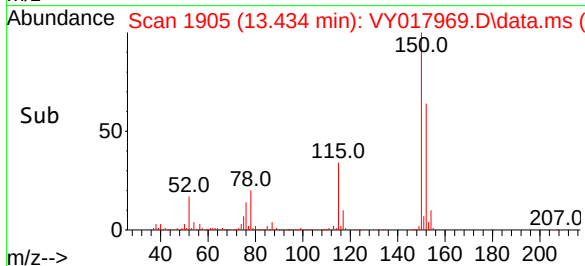
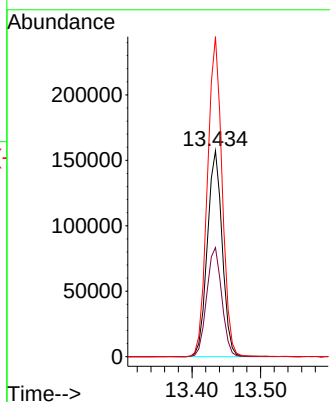
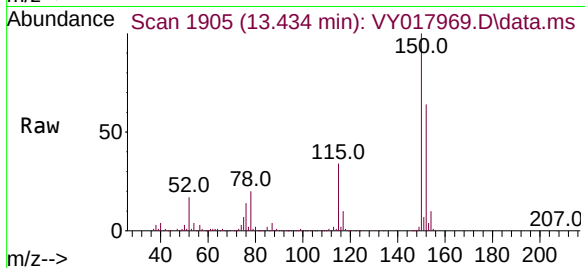
Tgt Ion:152 Resp: 237124

Ion Ratio Lower Upper

152 100

115 53.9 28.2 84.7

150 154.0 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 46.36 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017969.D

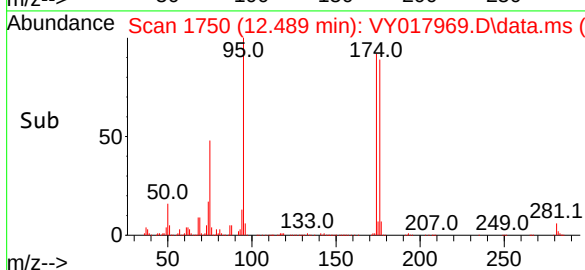
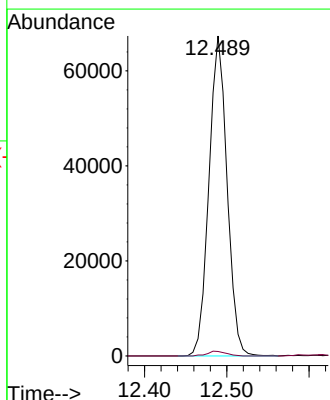
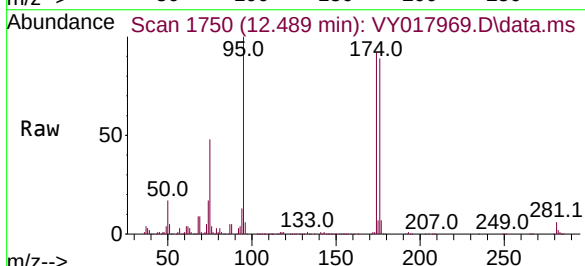
Acq: 18 Apr 2024 12:28

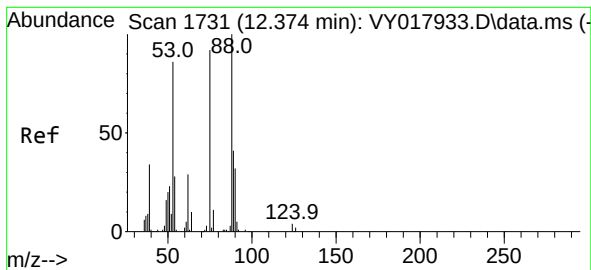
Tgt Ion: 75 Resp: 103150

Ion Ratio Lower Upper

75 100

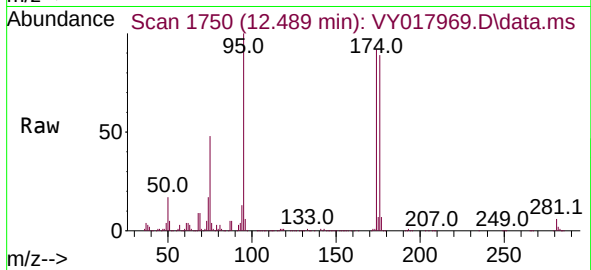
77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 95.58 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY017969.D
Acq: 18 Apr 2024 12:28

Instrument :
MSVOA_Y
ClientSampleId :
72-11935



Tgt Ion: 75 Resp: 103150
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.0 35.8 53.6#

