

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017975.D
 Acq On : 18 Apr 2024 14:51
 Operator : SY/MD
 Sample : P2147-10
 Misc : 5.96g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAB-6

Quant Time: Apr 19 02:01:36 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)

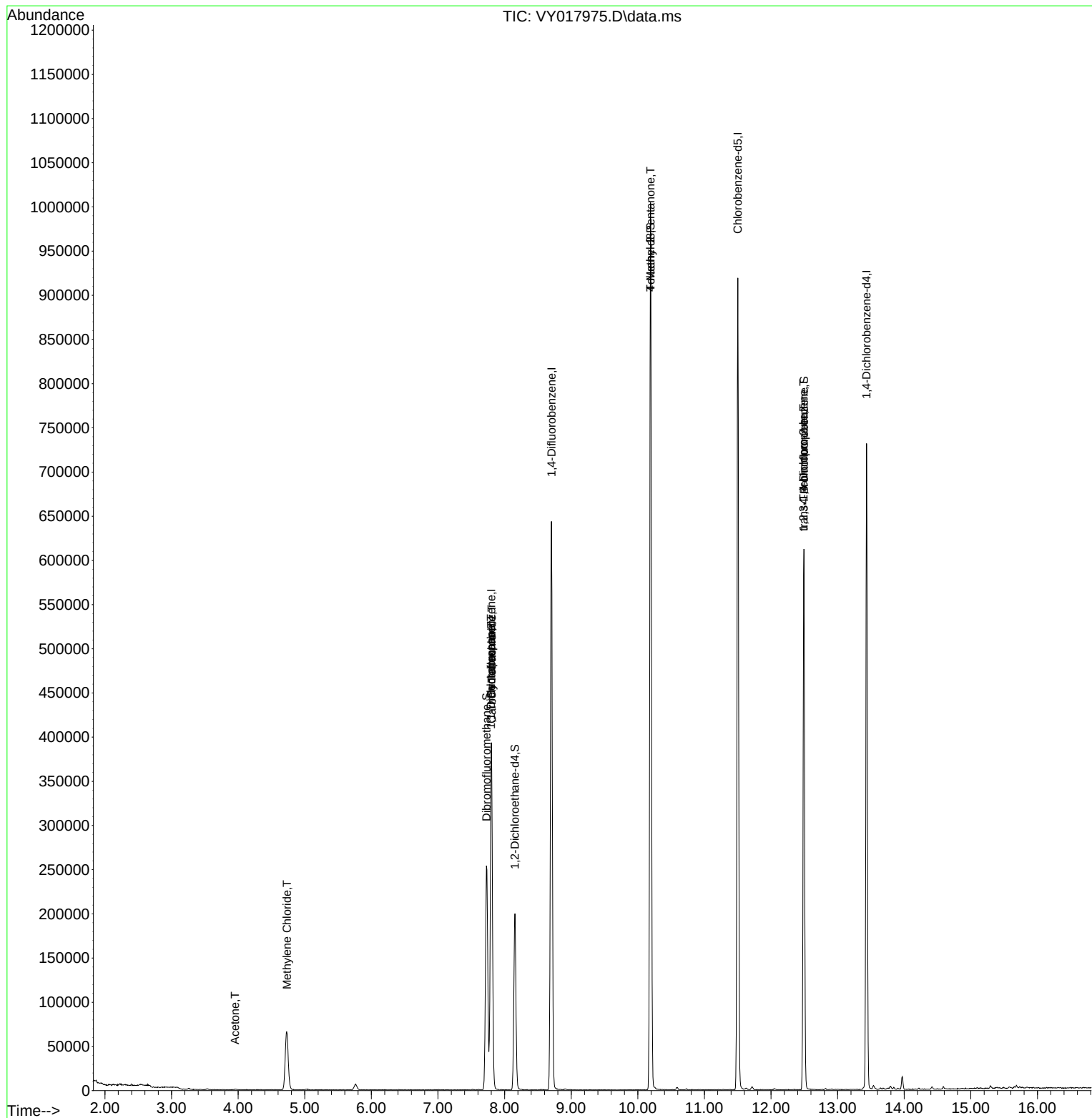
Internal Standards						
1) Pentafluorobenzene	7.801	168	332732	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	588698	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.501	117	532549	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	199389	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	151575	52.64	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.28%
35) Dibromofluoromethane	7.728	113	188405	51.87	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.74%
50) Toluene-d8	10.191	98	680584	49.38	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.76%
62) 4-Bromofluorobenzene	12.495	95	187143	43.85	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.70%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.984	59	132	Below Cal	#	88
16) Acetone	3.954	43	1258	2.21	ug/l #	73
20) Methylene Chloride	4.734	84	56310	14.61	ug/l	97
31) Cyclohexane	7.801	56	5566	1.01	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	20923	3.96	ug/l #	48
38) Carbon Tetrachloride	7.807	117	28941	5.42	ug/l #	16
51) 4-Methyl-2-Pentanone	10.191	43	2165	1.01	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	88692	47.40	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	88692	97.74	ug/l #	16

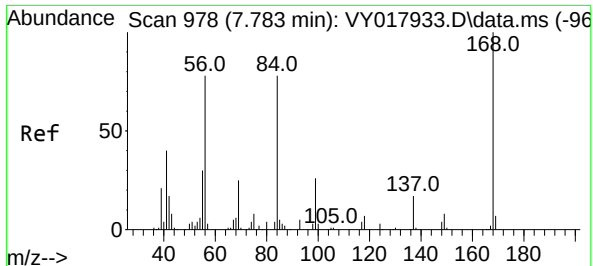
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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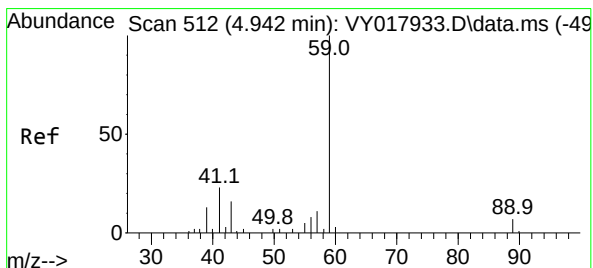
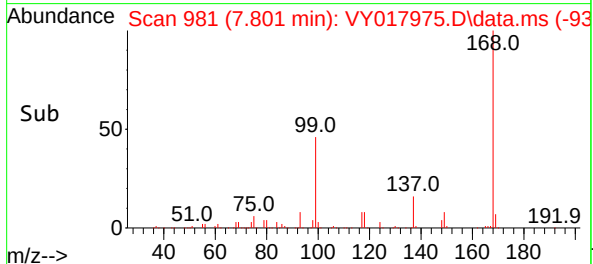
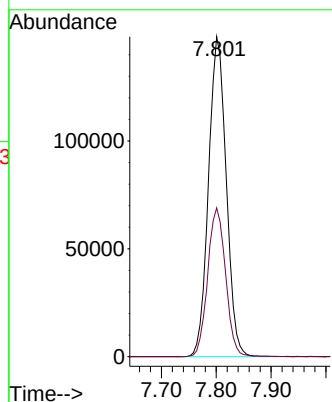
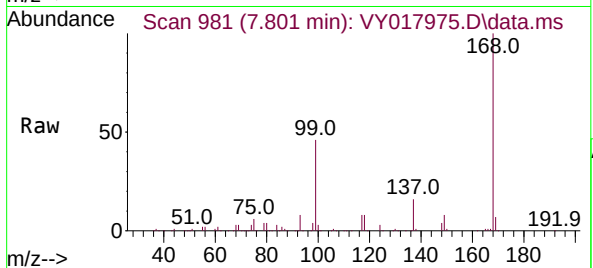




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017975.D
Acq: 18 Apr 2024 14:51

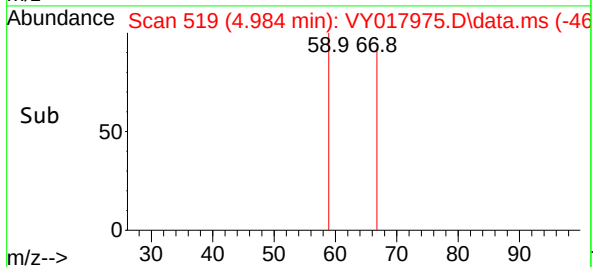
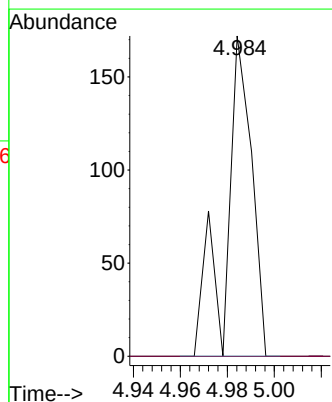
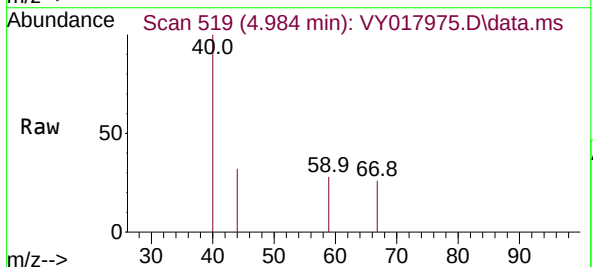
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-6

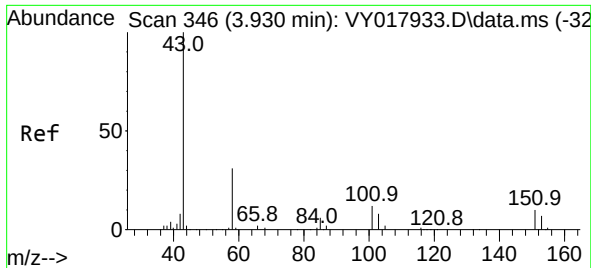
Tgt Ion:168 Resp: 332732
Ion Ratio Lower Upper
168 100
99 46.5 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.984 min Scan# 519
Delta R.T. 0.030 min
Lab File: VY017975.D
Acq: 18 Apr 2024 14:51

Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 2.21 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY017975.D

Acq: 18 Apr 2024 14:51

Instrument :

MSVOA_Y

ClientSampleId :

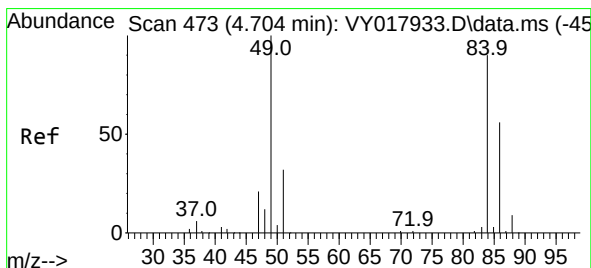
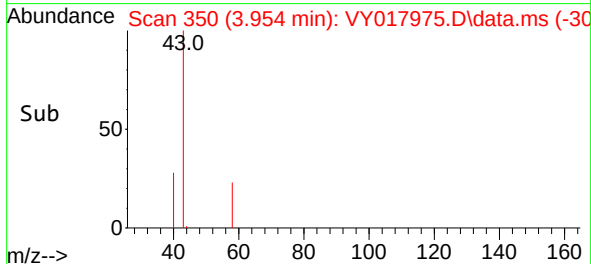
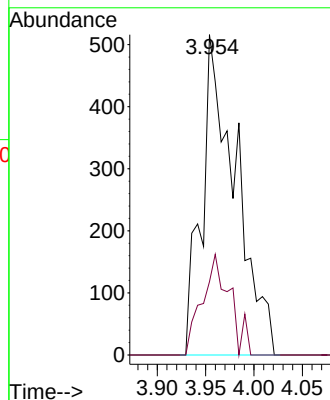
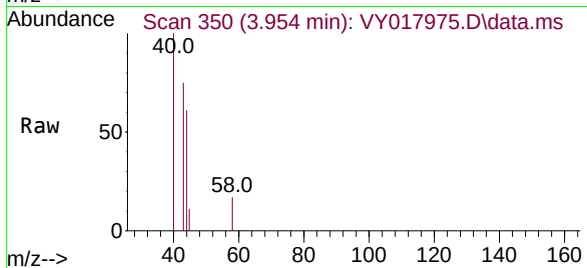
GRAB-6

Tgt Ion: 43 Resp: 1258

Ion Ratio Lower Upper

43 100

58 22.9 31.7 47.5#



#20

Methylene Chloride

Concen: 14.61 ug/l

RT: 4.734 min Scan# 478

Delta R.T. 0.018 min

Lab File: VY017975.D

Acq: 18 Apr 2024 14:51

Tgt Ion: 84 Resp: 56310

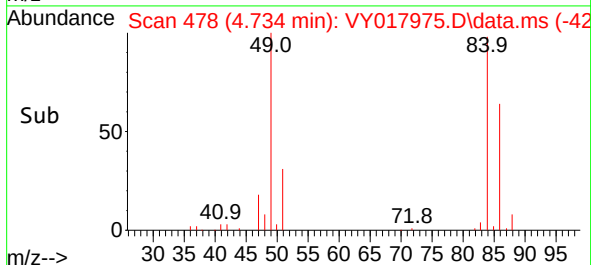
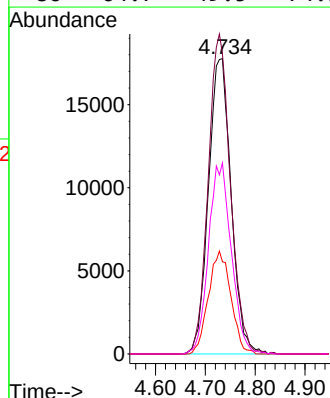
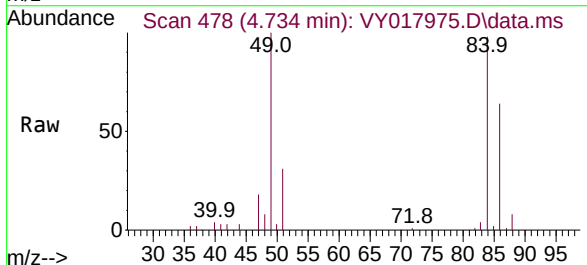
Ion Ratio Lower Upper

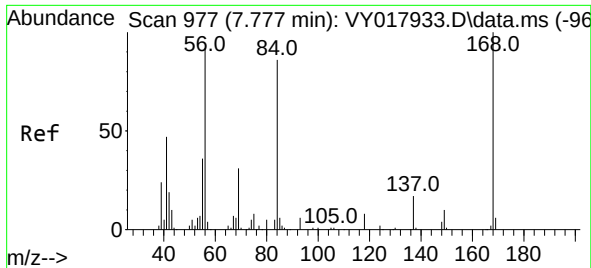
84 100

49 101.6 84.4 126.6

51 31.2 26.0 39.0

86 64.7 49.5 74.3

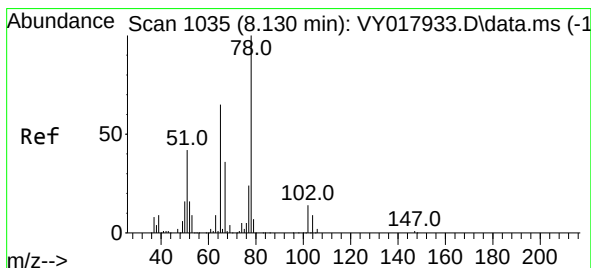
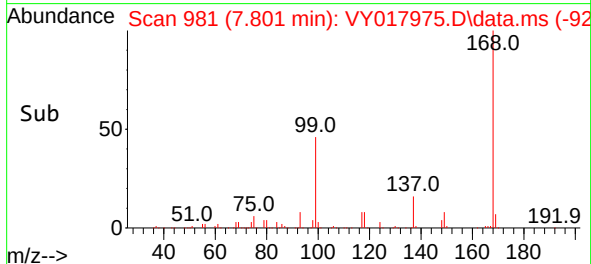
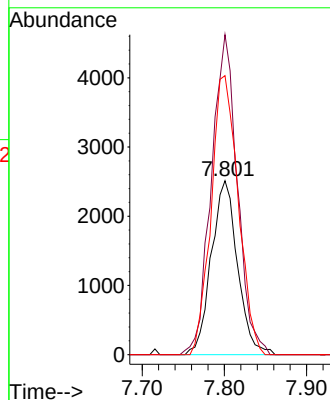
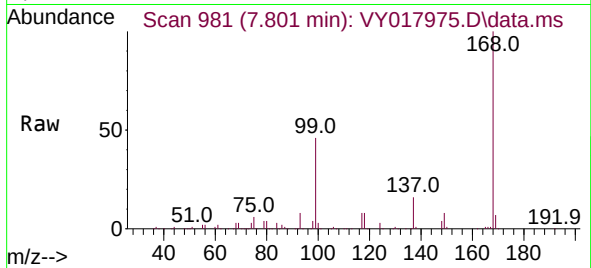




#31
Cyclohexane
Concen: 1.01 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY017975.D
Acq: 18 Apr 2024 14:51

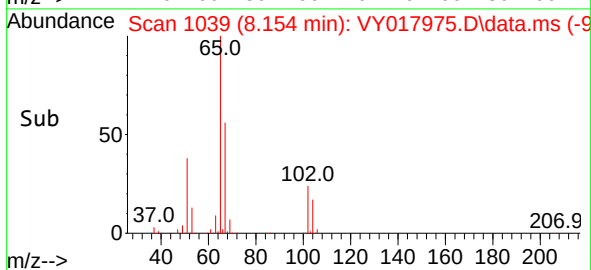
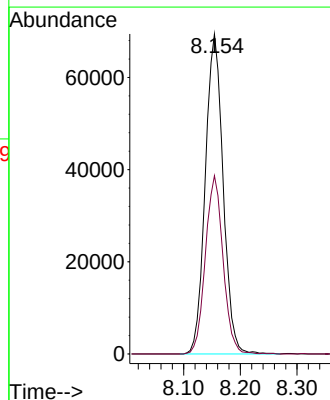
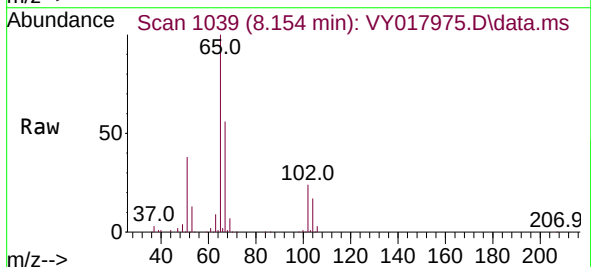
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-6

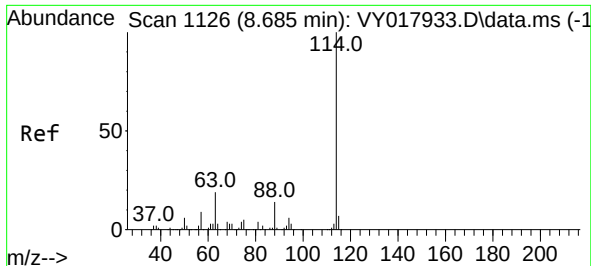
Tgt Ion: 56 Resp: 5566
Ion Ratio Lower Upper
56 100
69 184.1 28.7 43.1#
84 160.5 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 52.64 ug/l
RT: 8.154 min Scan# 1039
Delta R.T. 0.012 min
Lab File: VY017975.D
Acq: 18 Apr 2024 14:51

Tgt Ion: 65 Resp: 151575
Ion Ratio Lower Upper
65 100
67 55.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.703 min Scan# 1126

Delta R.T. 0.012 min

Lab File: VY017975.D

Acq: 18 Apr 2024 14:51

Instrument :

MSVOA_Y

ClientSampleId :

GRAB-6

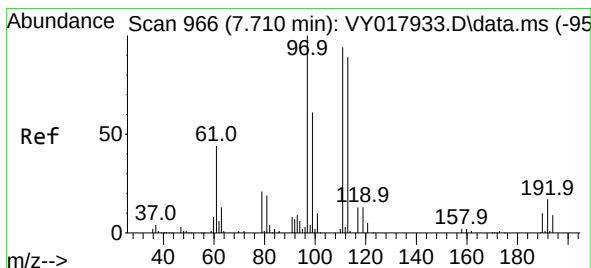
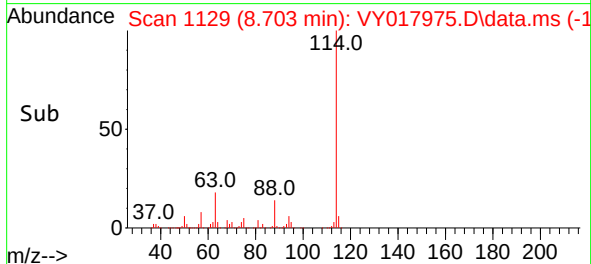
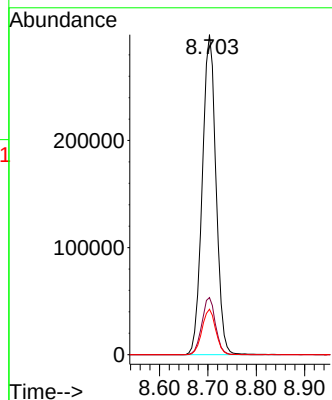
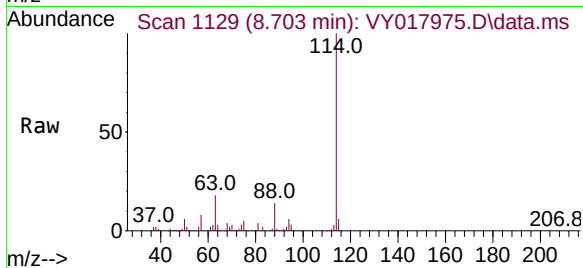
Tgt Ion:114 Resp: 588698

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.0

88 14.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.87 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY017975.D

Acq: 18 Apr 2024 14:51

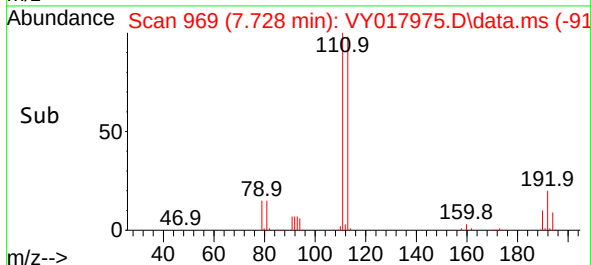
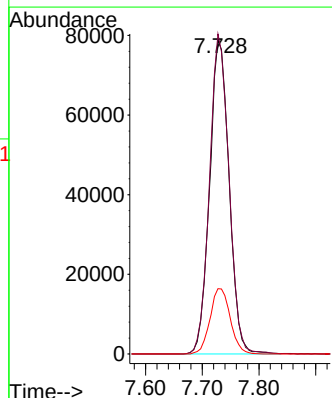
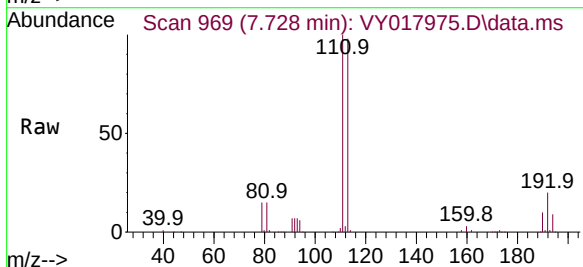
Tgt Ion:113 Resp: 188405

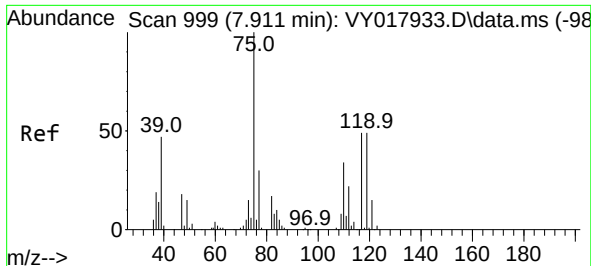
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 21.5 15.9 23.9

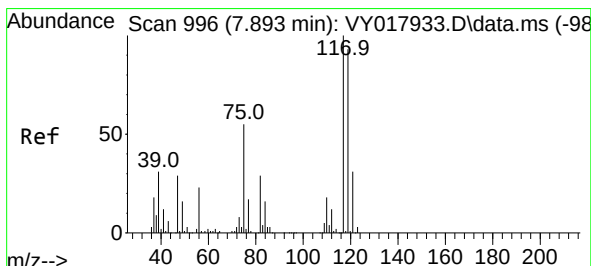
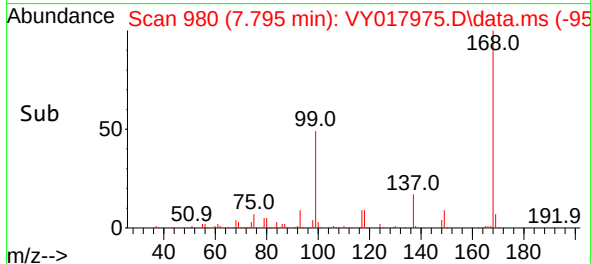
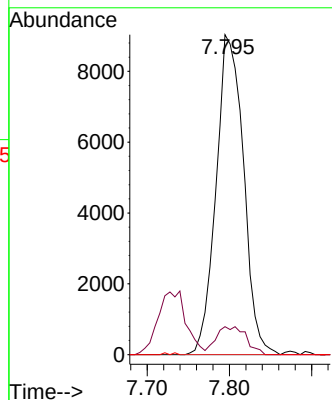
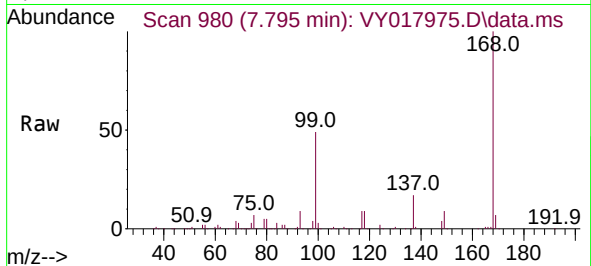




#36
 1,1-Dichloropropene
 Concen: 3.96 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY017975.D
 Acq: 18 Apr 2024 14:51

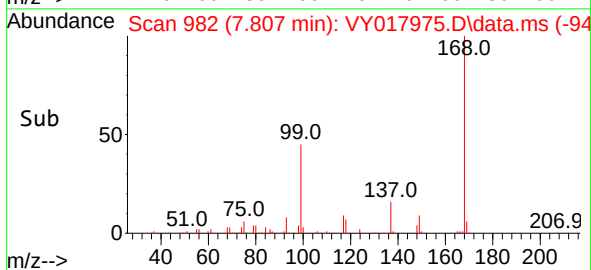
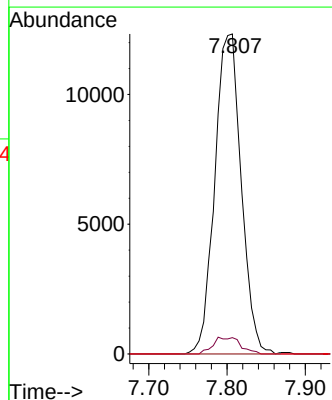
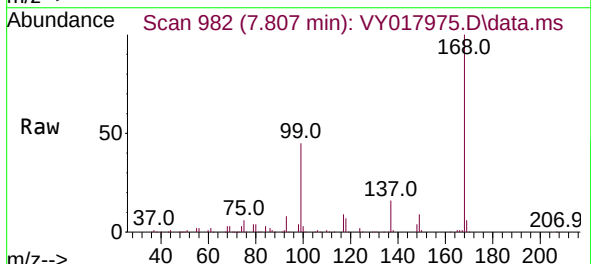
Instrument :
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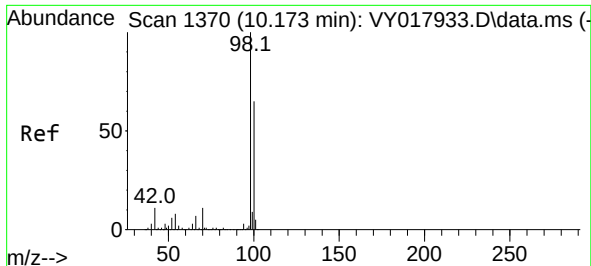
Tgt Ion: 75 Resp: 20923
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.0 57.0#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.42 ug/l
 RT: 7.807 min Scan# 982
 Delta R.T. -0.098 min
 Lab File: VY017975.D
 Acq: 18 Apr 2024 14:51

Tgt Ion: 117 Resp: 28941
 Ion Ratio Lower Upper
 117 100
 119 5.1 75.8 113.6#
 121 0.0 24.0 36.0#

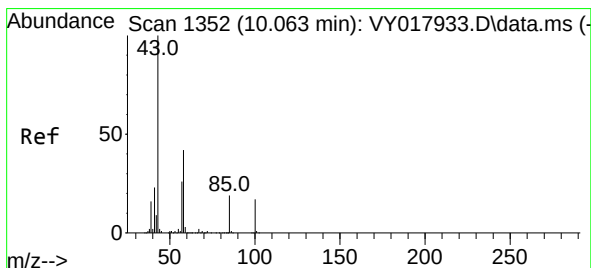
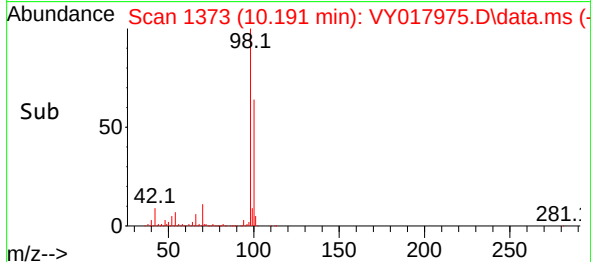
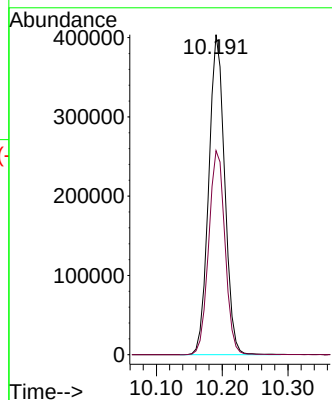
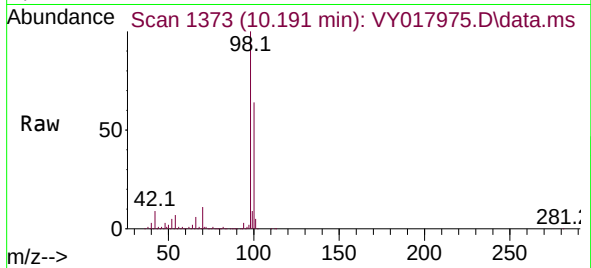




#50
Toluene-d8
Concen: 49.38 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.012 min
Lab File: VY017975.D
Acq: 18 Apr 2024 14:51

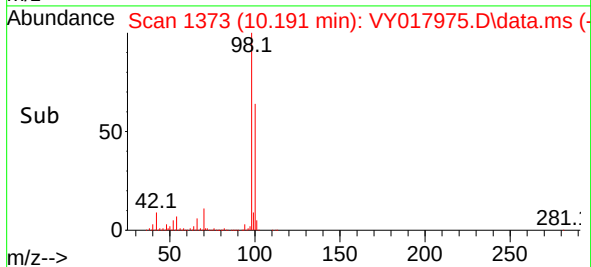
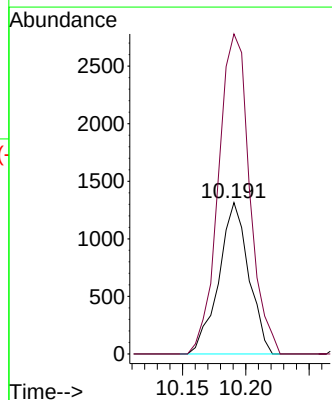
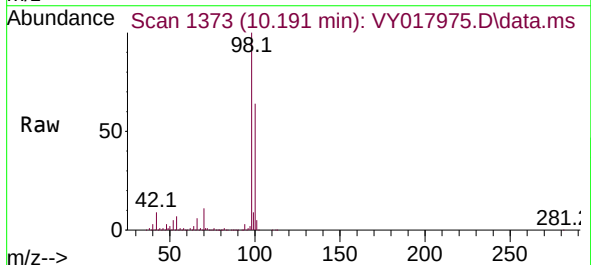
Instrument :
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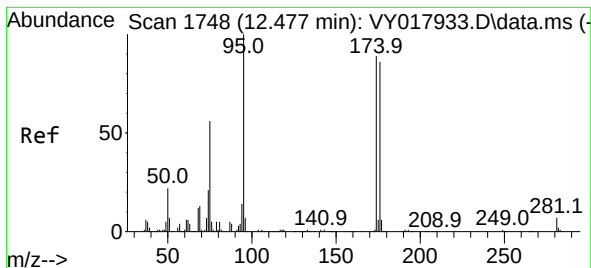
Tgt Ion: 98 Resp: 680584
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.01 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.122 min
Lab File: VY017975.D
Acq: 18 Apr 2024 14:51

Tgt Ion: 43 Resp: 2165
Ion Ratio Lower Upper
43 100
58 220.2 35.7 53.5#

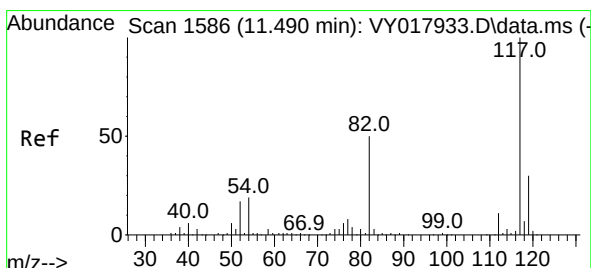
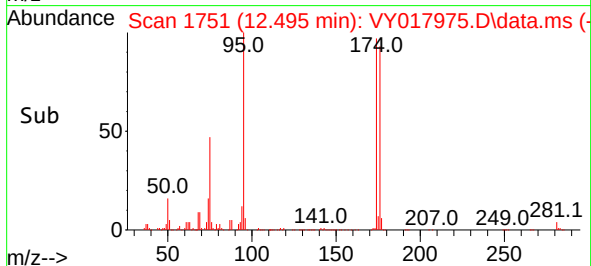
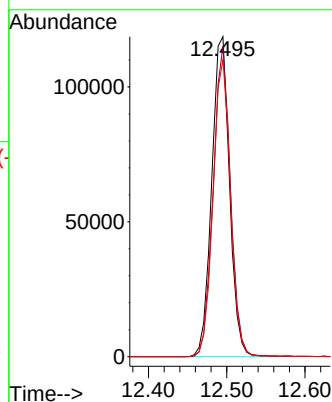
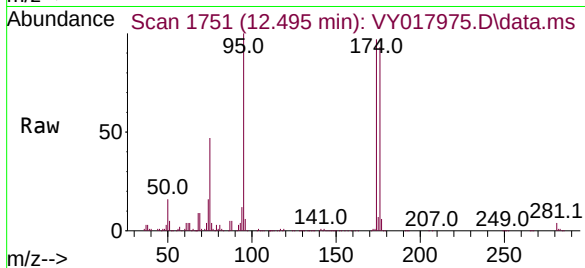




#62
4-Bromofluorobenzene
Concen: 43.85 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.012 min
Lab File: VY017975.D
Acq: 18 Apr 2024 14:51

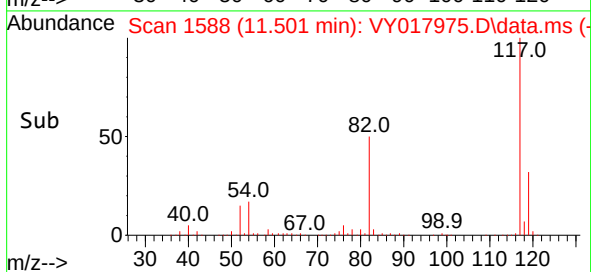
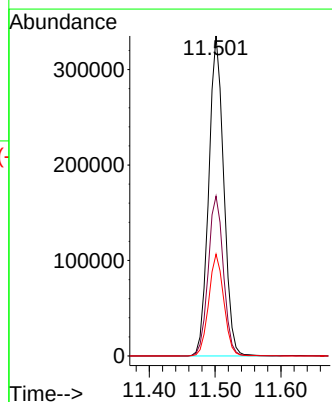
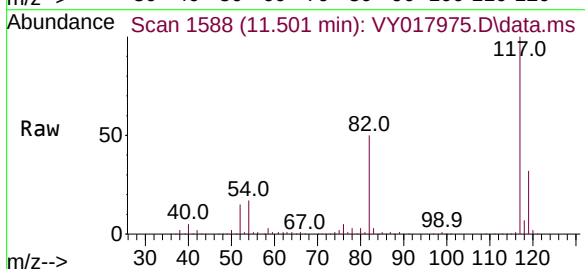
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-6

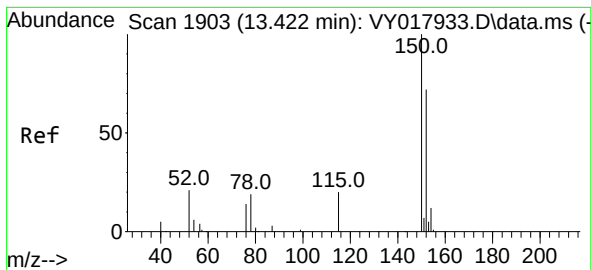
Tgt Ion: 95 Resp: 187143
Ion Ratio Lower Upper
95 100
174 94.5 0.0 175.6
176 90.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.501 min Scan# 1588
Delta R.T. 0.012 min
Lab File: VY017975.D
Acq: 18 Apr 2024 14:51

Tgt Ion: 117 Resp: 532549
Ion Ratio Lower Upper
117 100
82 50.0 42.4 63.6
119 31.8 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: VY017975.D

Acq: 18 Apr 2024 14:51

Instrument :

MSVOA_Y

ClientSampleId :

GRAB-6

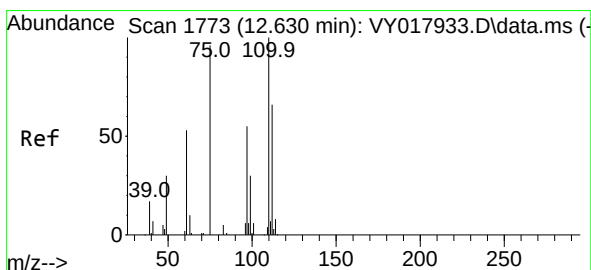
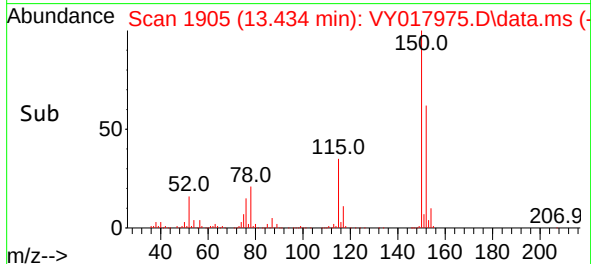
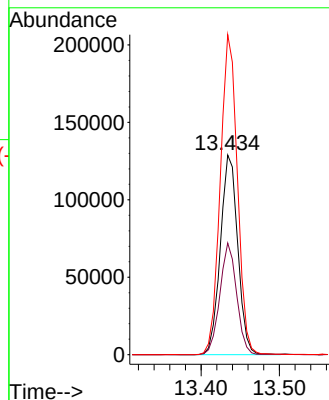
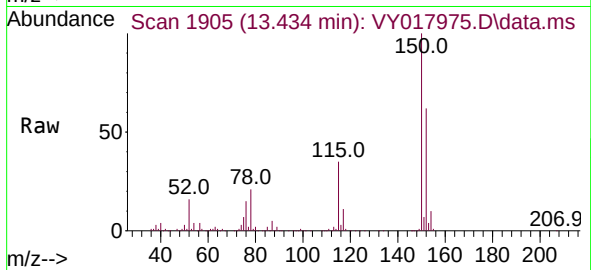
Tgt Ion:152 Resp: 199389

Ion Ratio Lower Upper

152 100

115 54.0 28.2 84.7

150 157.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 47.40 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.147 min

Lab File: VY017975.D

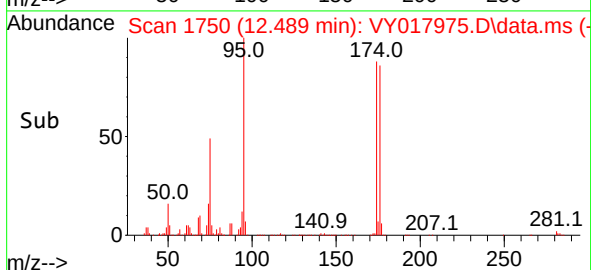
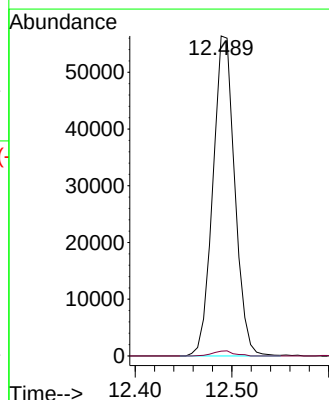
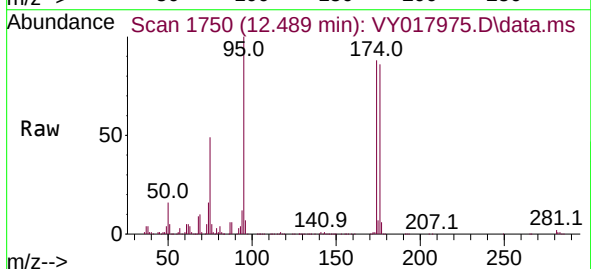
Acq: 18 Apr 2024 14:51

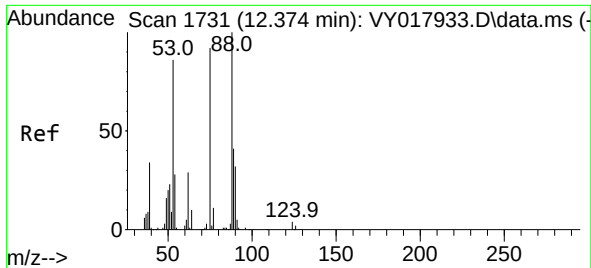
Tgt Ion: 75 Resp: 88692

Ion Ratio Lower Upper

75 100

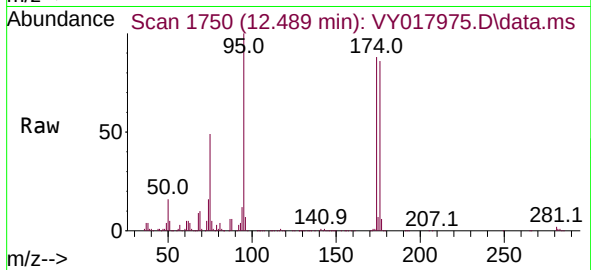
77 1.6 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 97.74 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY017975.D
Acq: 18 Apr 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
GRAB-6



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

