

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011224\
 Data File : VY016995.D
 Acq On : 12 Jan 2024 16:08
 Operator : SY/MD
 Sample : P1132-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 13 00:07:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

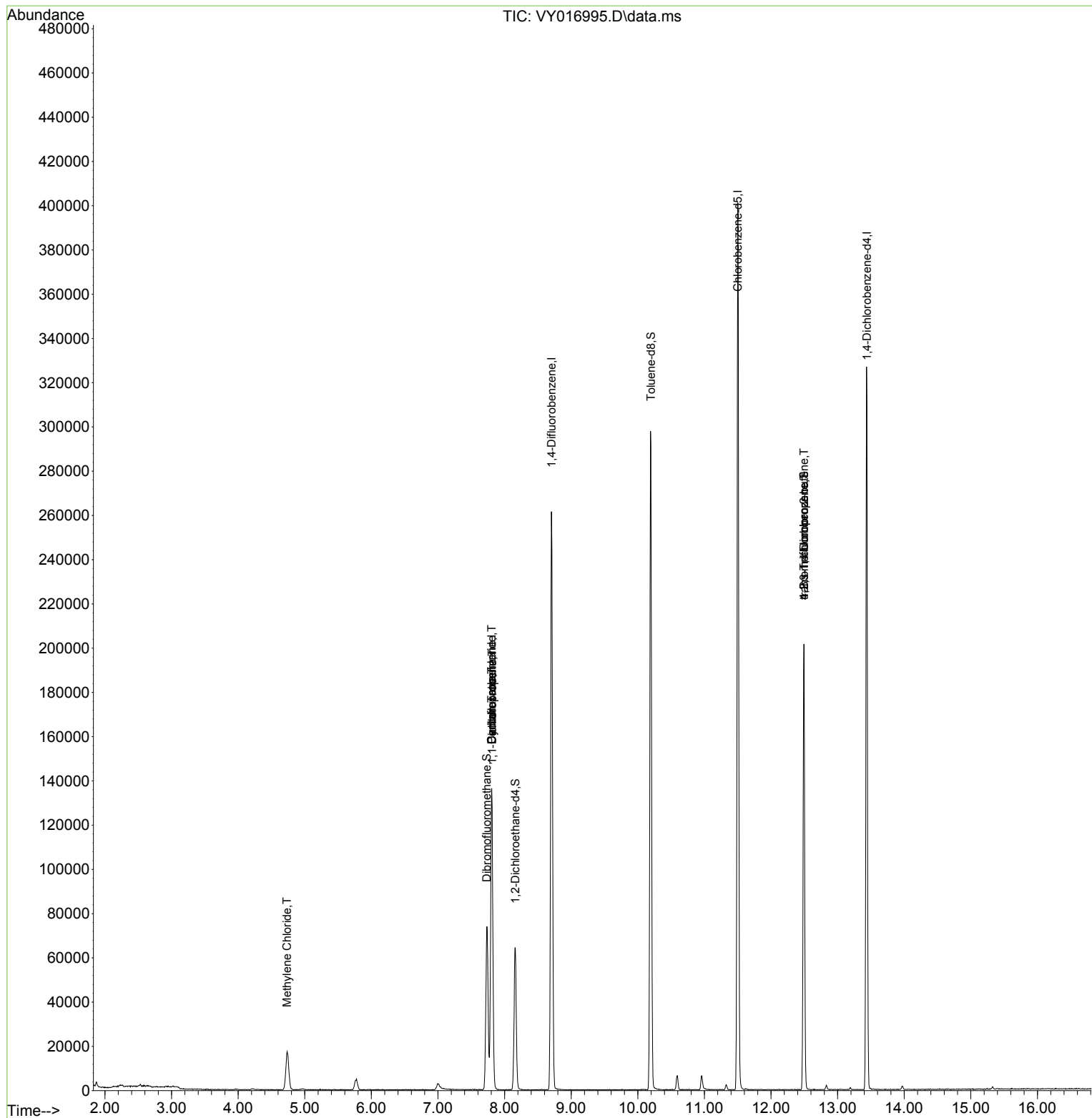
Internal Standards						
1) Pentafluorobenzene	7.807	168	105934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	226881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	217088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	81887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	50255	47.999	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.000%
35) Dibromofluoromethane	7.734	113	54157	37.459	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	74.920%
50) Toluene-d8	10.197	98	197022	39.574	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	79.140%
62) 4-Bromofluorobenzene	12.495	95	62059	36.947	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	495	Below Cal	#	75
16) Acetone	3.966	43	382	Below Cal	#	71
20) Methylene Chloride	4.734	84	13261	3.140	ug/l	96
25) 2-Butanone	6.996	43	157	Below Cal	#	48
31) Cyclohexane	7.807	56	2276	1.267	ug/l	# 12
36) 1,1-Dichloropropene	7.813	75	8788	4.171	ug/l	# 50
38) Carbon Tetrachloride	7.807	117	10902	5.093	ug/l	# 17
76) 1,2,3-Trichloropropane	12.495	75	32638	36.729	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.495	75	32638	83.402	ug/l	# 12

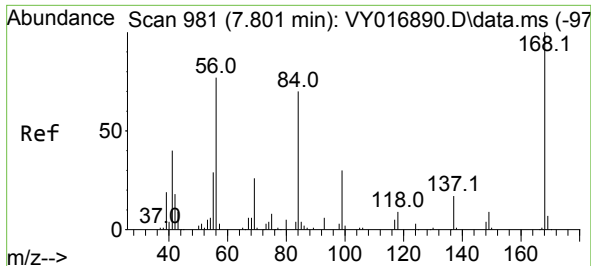
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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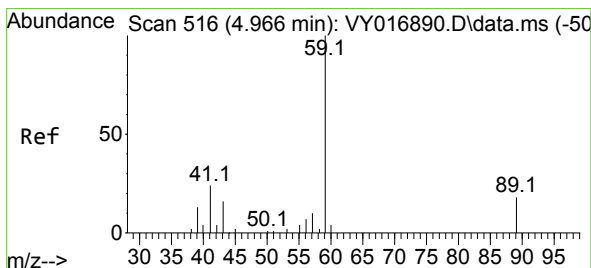
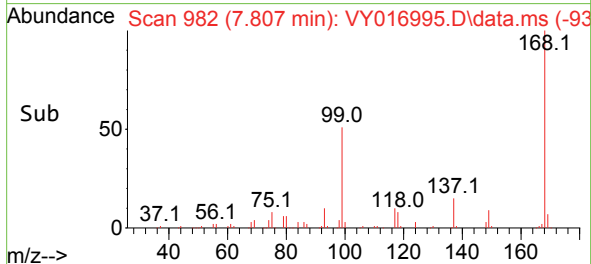
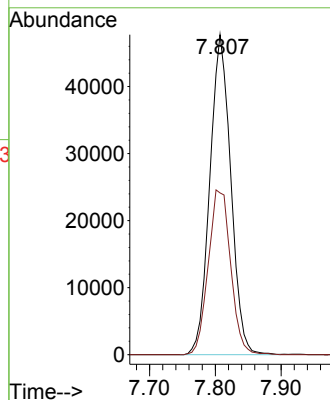
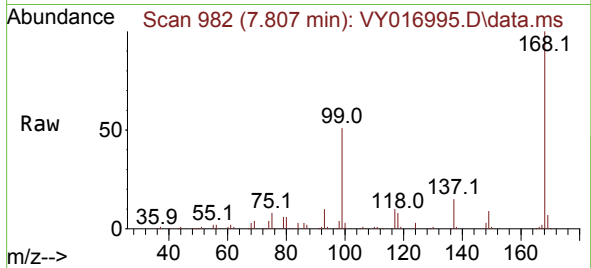




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016995.D
Acq: 12 Jan 2024 16:08

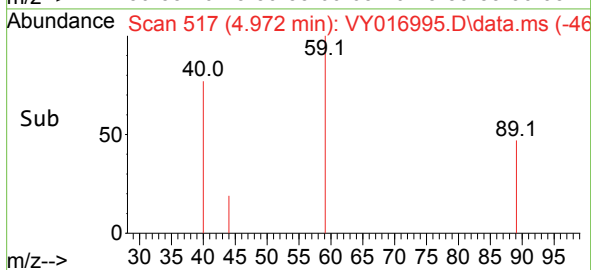
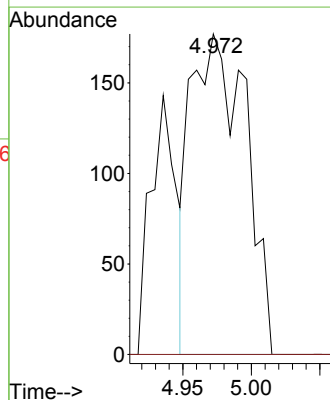
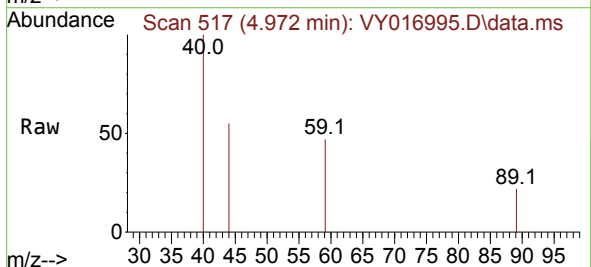
Instrument :
MSVOA_Y
ClientSampleId :

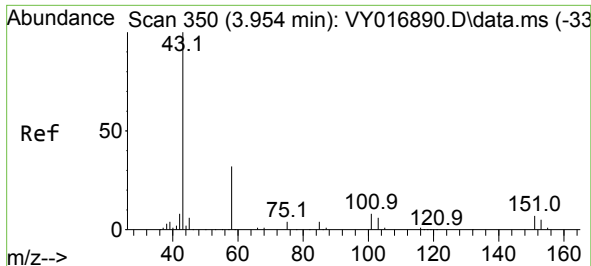
Tgt Ion:168 Resp: 105934
Ion Ratio Lower Upper
168 100
99 50.5 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY016995.D
Acq: 12 Jan 2024 16:08

Tgt Ion: 59 Resp: 495
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: Below Cal

RT: 3.966 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY016995.D

Acq: 12 Jan 2024 16:08

Instrument :

MSVOA_Y

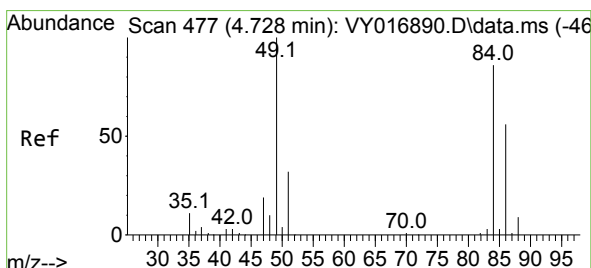
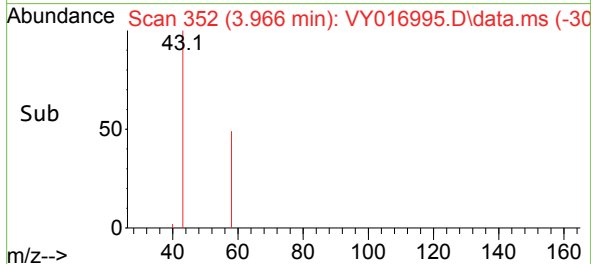
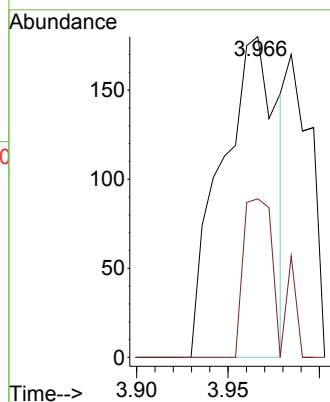
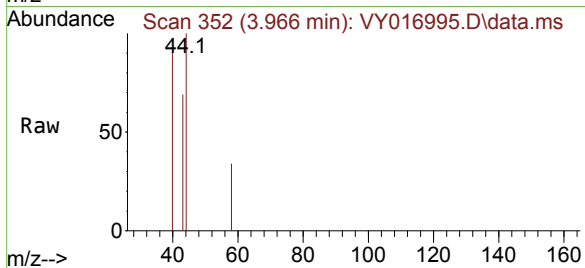
ClientSampleId :

Tgt Ion: 43 Resp: 382

Ion Ratio Lower Upper

43 100

58 49.4 26.6 39.8#



#20

Methylene Chloride

Concen: 3.140 ug/l

RT: 4.734 min Scan# 478

Delta R.T. 0.000 min

Lab File: VY016995.D

Acq: 12 Jan 2024 16:08

Tgt Ion: 84 Resp: 13261

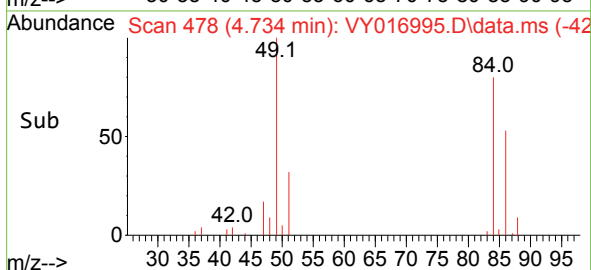
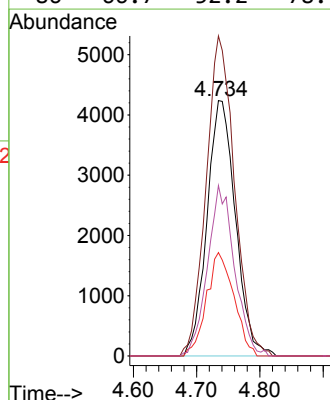
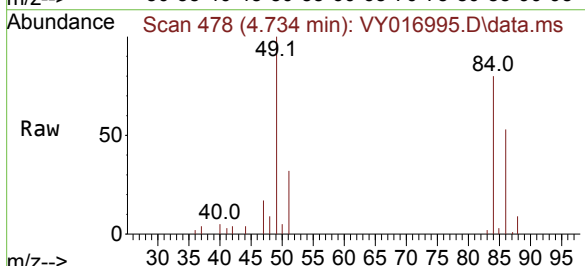
Ion Ratio Lower Upper

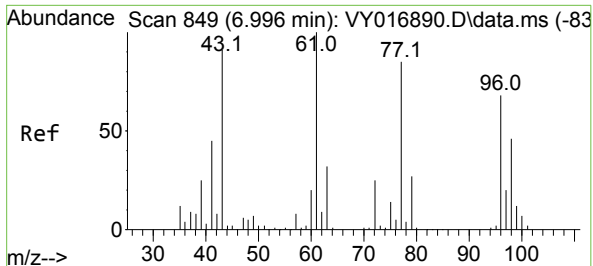
84 100

49 125.3 95.2 142.8

51 40.5 29.9 44.9

86 66.7 52.2 78.4





#25

2-Butanone

Concen: Below Cal

RT: 6.996 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY016995.D

Acq: 12 Jan 2024 16:08

Instrument :

MSVOA_Y

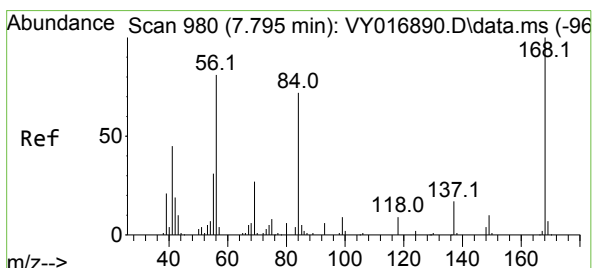
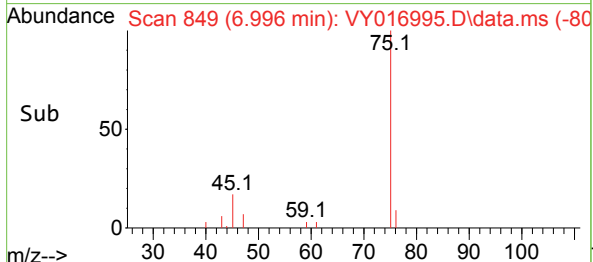
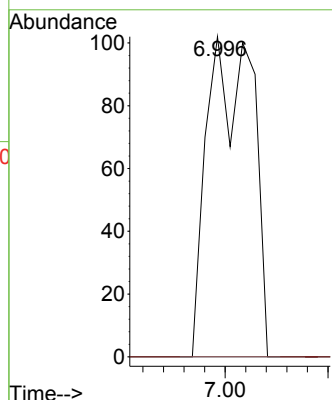
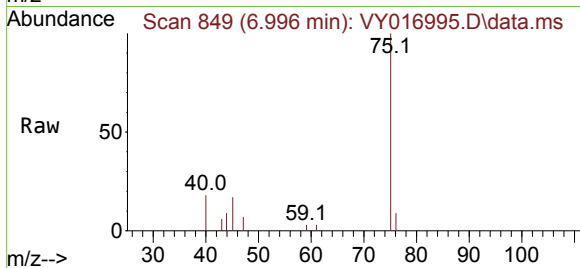
ClientSampleId :

Tgt Ion: 43 Resp: 157

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.267 ug/l

RT: 7.807 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY016995.D

Acq: 12 Jan 2024 16:08

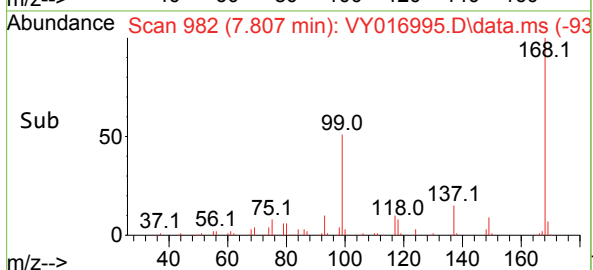
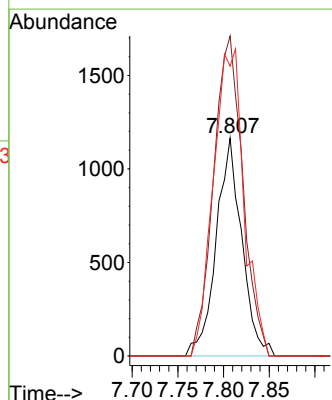
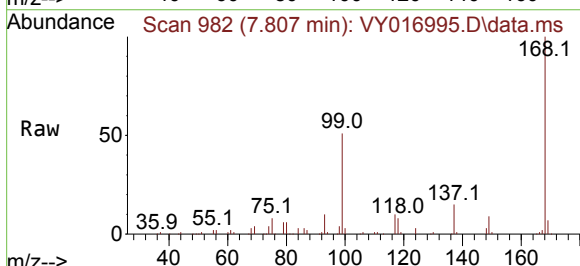
Tgt Ion: 56 Resp: 2276

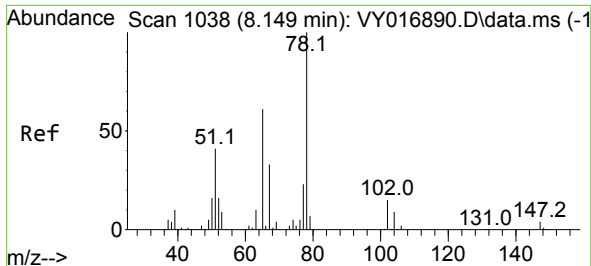
Ion Ratio Lower Upper

56 100

69 146.9 27.0 40.6#

84 133.0 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 47.999 ug/l

RT: 8.161 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY016995.D

Acq: 12 Jan 2024 16:08

Instrument :

MSVOA_Y

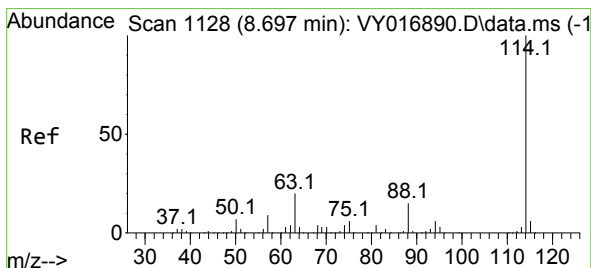
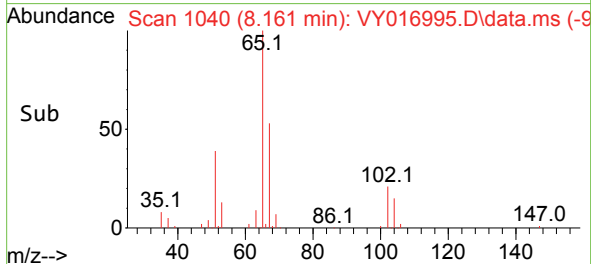
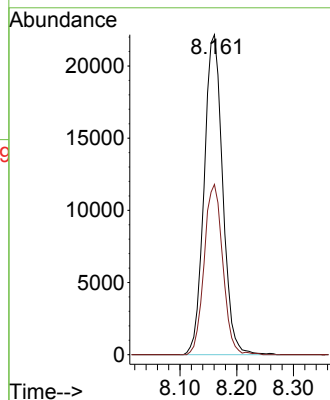
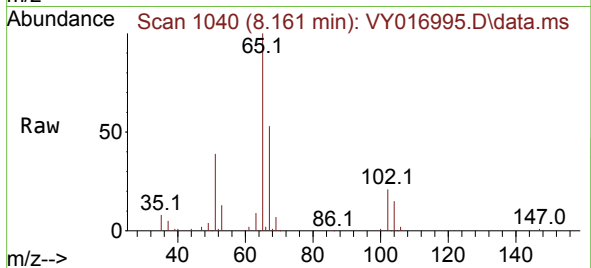
ClientSampleId :

Tgt Ion: 65 Resp: 50255

Ion Ratio Lower Upper

65 100

67 53.3 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY016995.D

Acq: 12 Jan 2024 16:08

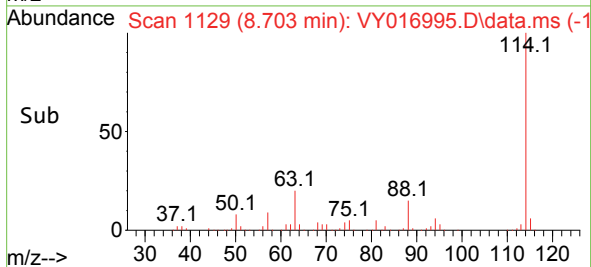
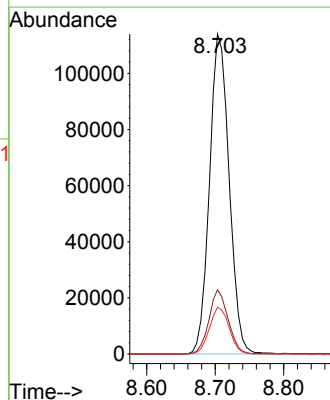
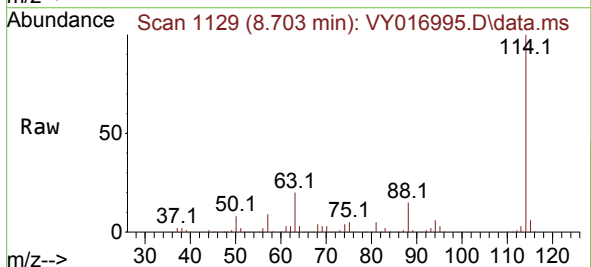
Tgt Ion:114 Resp: 226881

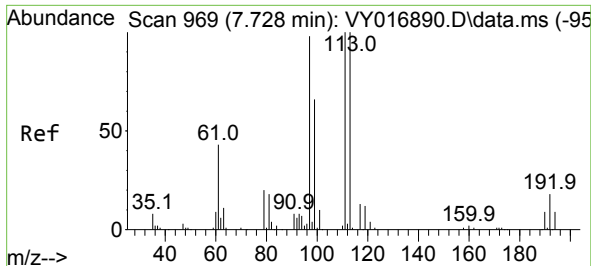
Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.4

88 14.6 0.0 29.0

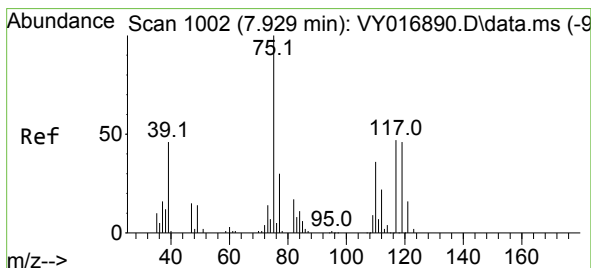
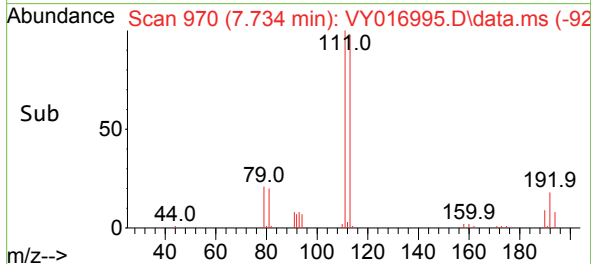
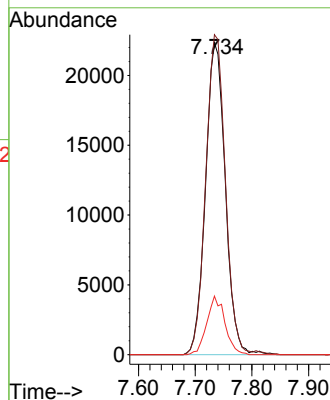
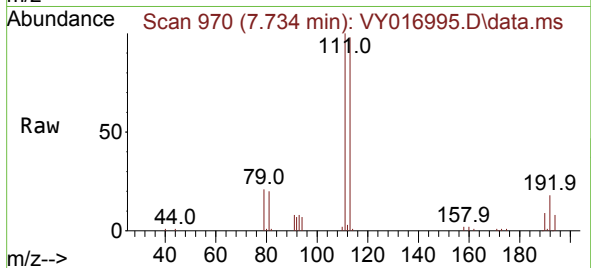




#35
Dibromofluoromethane
Concen: 37.459 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016995.D
Acq: 12 Jan 2024 16:08

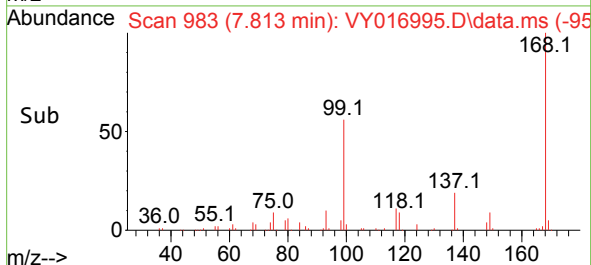
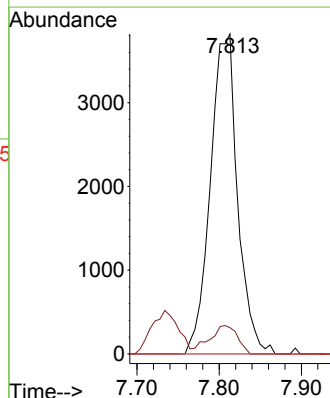
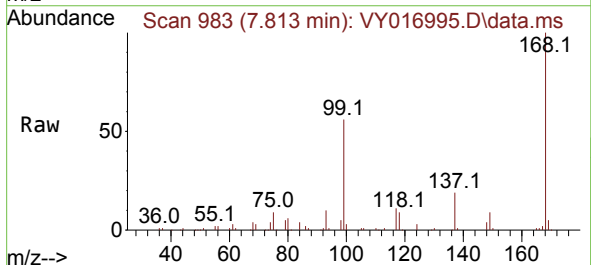
Instrument :
MSVOA_Y
ClientSampleId :

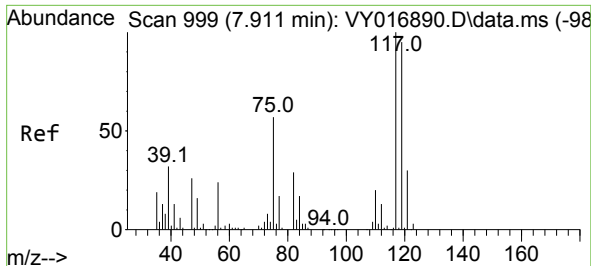
Tgt Ion:113 Resp: 54157
Ion Ratio Lower Upper
113 100
111 101.8 83.8 125.6
192 17.3 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.171 ug/l
RT: 7.813 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY016995.D
Acq: 12 Jan 2024 16:08

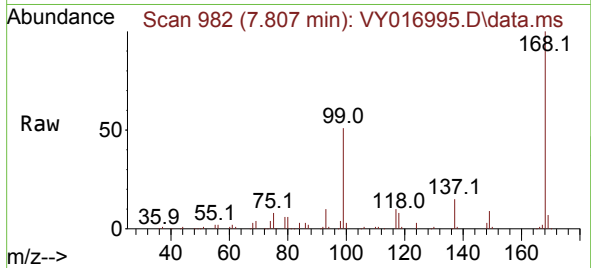
Tgt Ion: 75 Resp: 8788
Ion Ratio Lower Upper
75 100
110 8.9 17.4 52.3#
77 0.0 24.7 37.1#



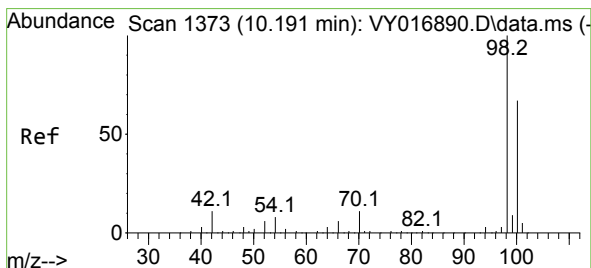
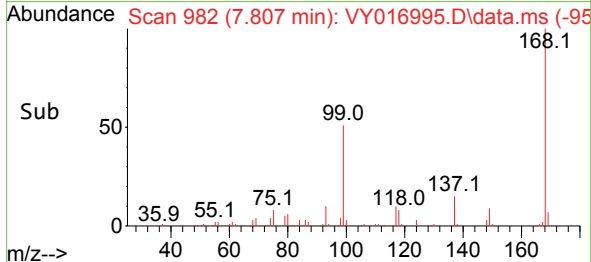
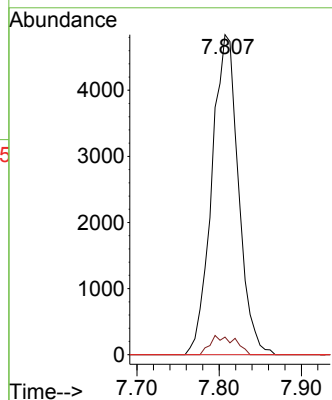


#38
Carbon Tetrachloride
Concen: 5.093 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016995.D
Acq: 12 Jan 2024 16:08

Instrument :
MSVOA_Y
ClientSampleId :

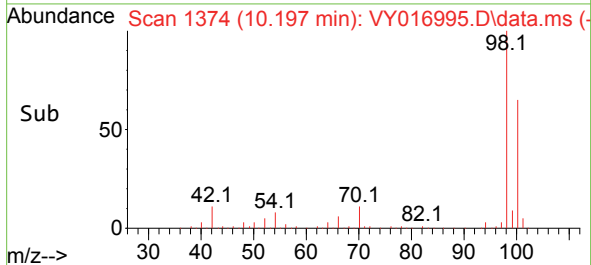
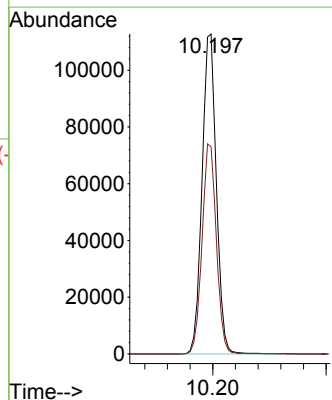
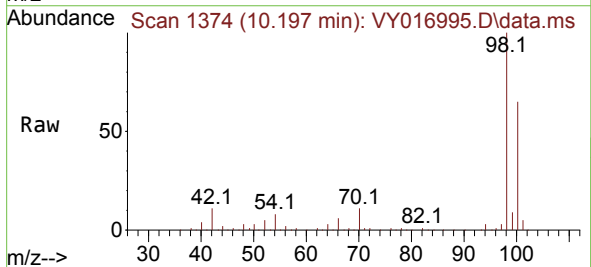


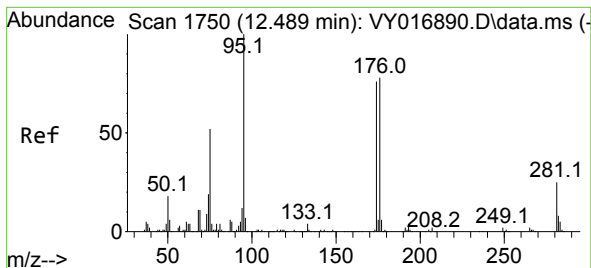
Tgt Ion:117 Resp: 10902
Ion Ratio Lower Upper
117 100
119 5.5 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 39.574 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.006 min
Lab File: VY016995.D
Acq: 12 Jan 2024 16:08

Tgt Ion: 98 Resp: 197022
Ion Ratio Lower Upper
98 100
100 65.8 52.3 78.5

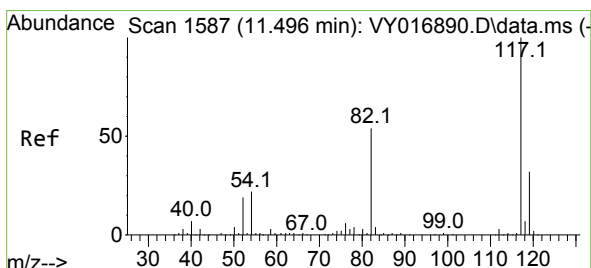
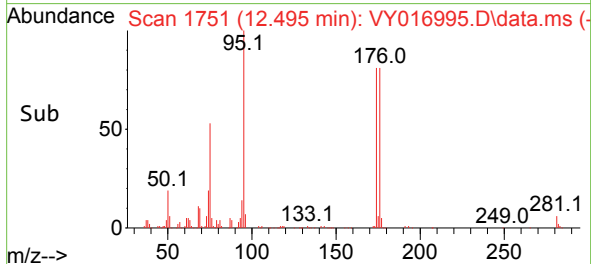
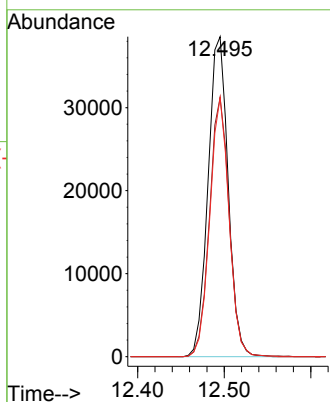
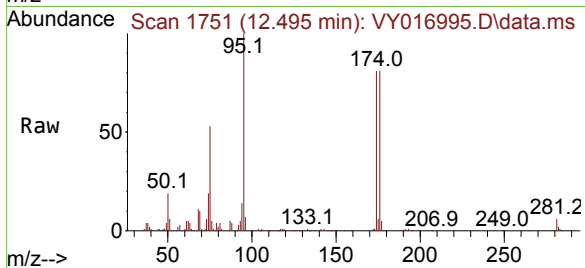




#62
4-Bromofluorobenzene
Concen: 36.947 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016995.D
Acq: 12 Jan 2024 16:08

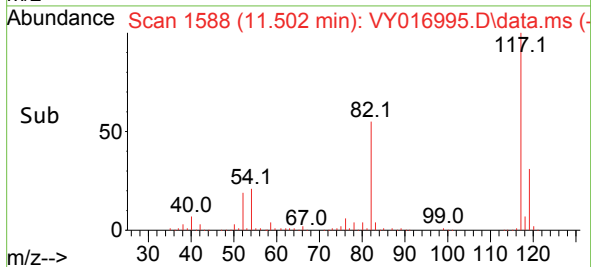
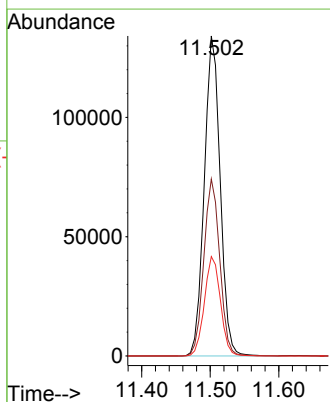
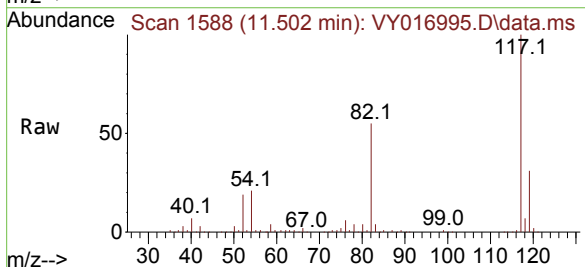
Instrument :
MSVOA_Y
ClientSampleId :

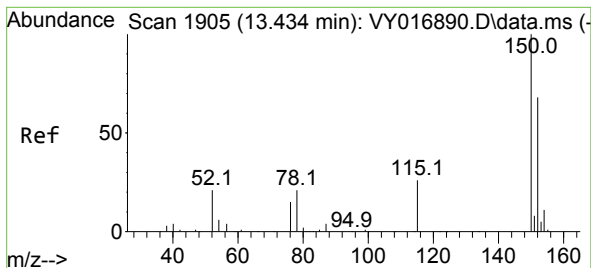
Tgt Ion: 95 Resp: 62059
Ion Ratio Lower Upper
95 100
174 79.6 0.0 160.0
176 77.5 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016995.D
Acq: 12 Jan 2024 16:08

Tgt Ion: 117 Resp: 217088
Ion Ratio Lower Upper
117 100
82 55.3 43.8 65.8
119 31.1 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY016995.D

Acq: 12 Jan 2024 16:08

Instrument :

MSVOA_Y

ClientSampleId :

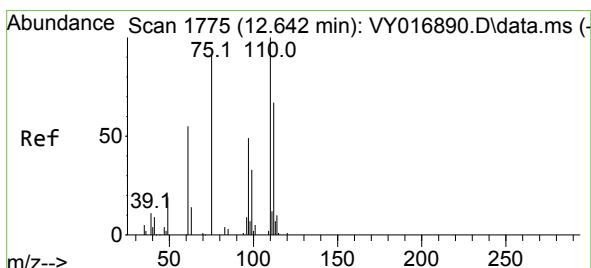
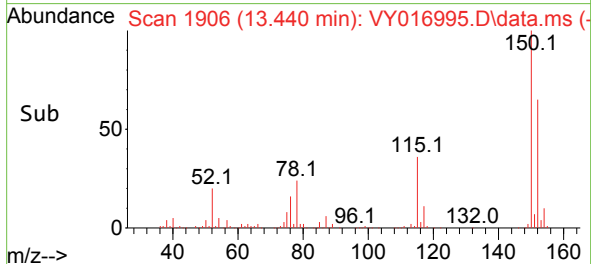
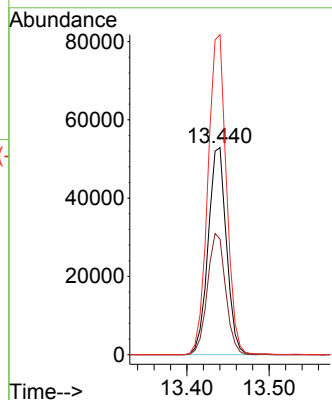
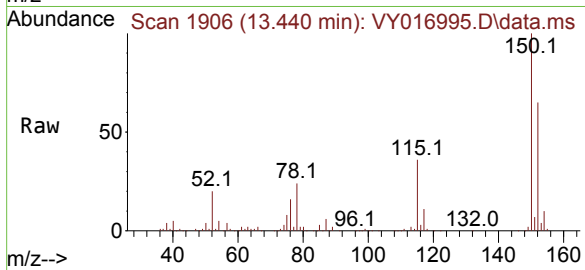
Tgt Ion:152 Resp: 81887

Ion Ratio Lower Upper

152 100

115 58.2 30.0 90.0

150 155.8 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 36.729 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.147 min

Lab File: VY016995.D

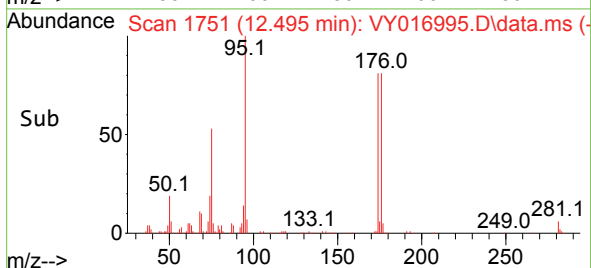
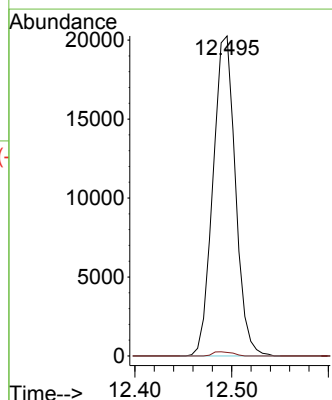
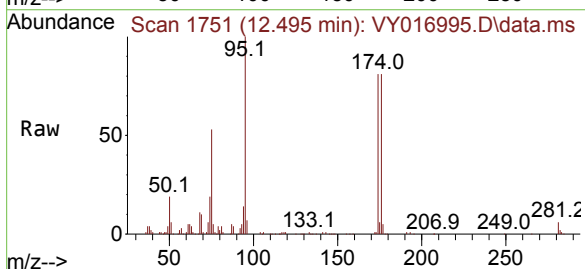
Acq: 12 Jan 2024 16:08

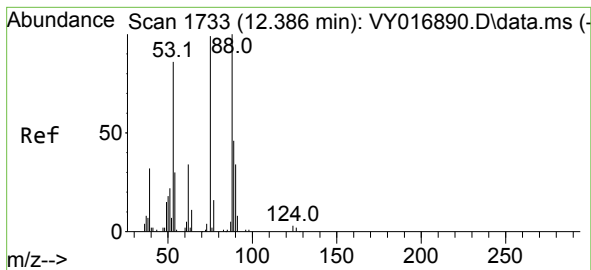
Tgt Ion: 75 Resp: 32638

Ion Ratio Lower Upper

75 100

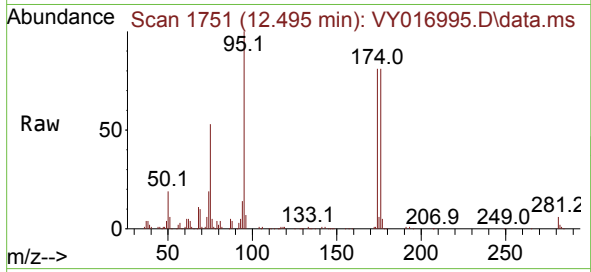
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.402 ug/l
 RT: 12.495 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY016995.D
 Acq: 12 Jan 2024 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 32638
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#

