

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
 Data File : VY017074.D
 Acq On : 22 Jan 2024 14:42
 Operator : SY/MD
 Sample : P1207-02
 Misc : 3.67g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 23 01:46:18 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)

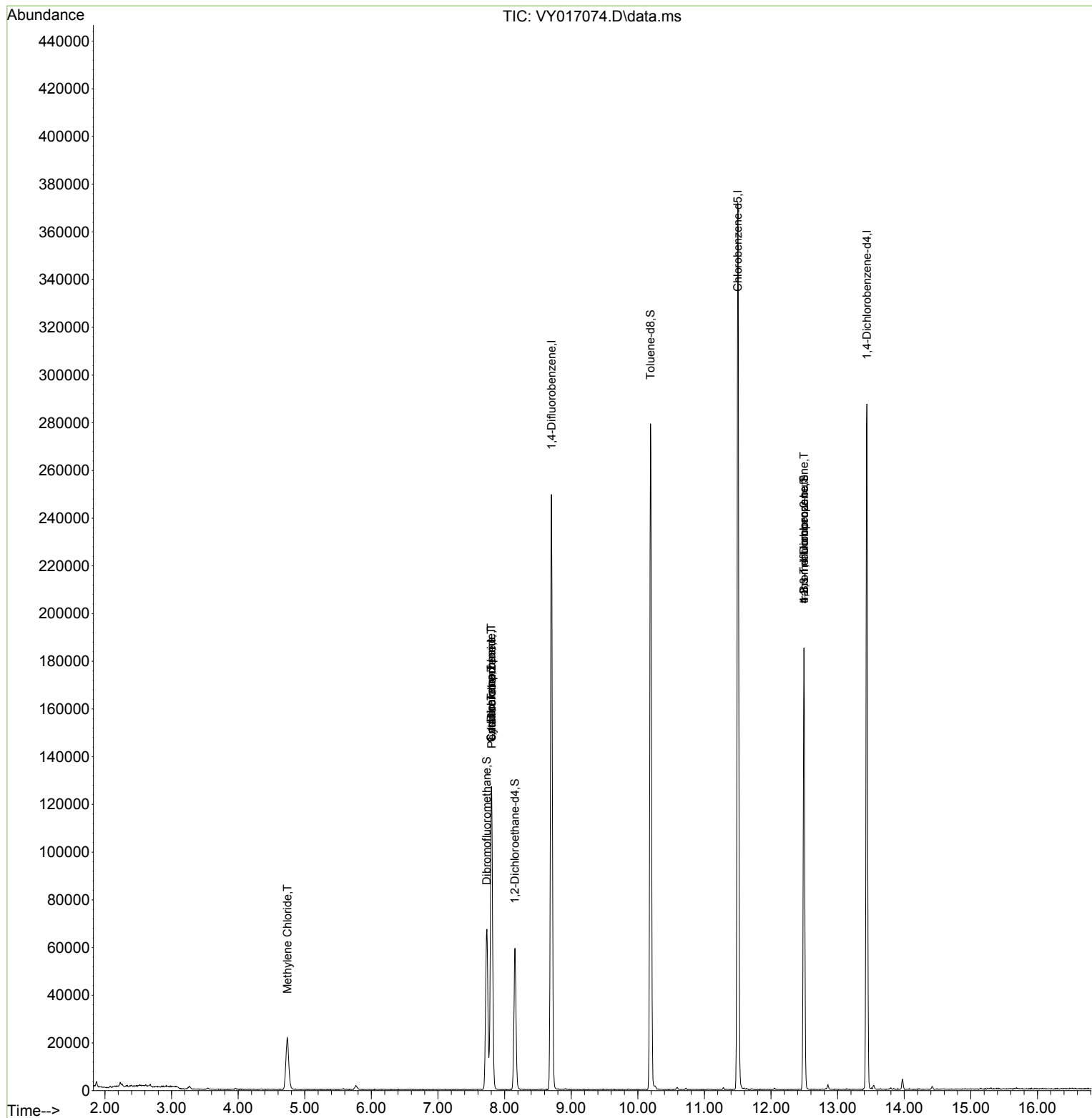
Internal Standards						
1) Pentafluorobenzene	7.807	168	98809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	209855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	200248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	74251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	44461	45.527	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.060%
35) Dibromofluoromethane	7.734	113	49680	37.150	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	74.300%
50) Toluene-d8	10.191	98	185336	40.247	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.500%
62) 4-Bromofluorobenzene	12.495	95	57111	36.759	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	20	Below Cal	#	75
16) Acetone	3.954	43	676	Below Cal		94
20) Methylene Chloride	4.741	84	15930	6.267	ug/l	99
25) 2-Butanone	7.027	43	21	Below Cal	#	48
31) Cyclohexane	7.801	56	2314	1.381	ug/l	# 1
36) 1,1-Dichloropropene	7.801	75	7965	4.087	ug/l	# 50
38) Carbon Tetrachloride	7.801	117	9932	5.016	ug/l	# 18
76) 1,2,3-Trichloropropane	12.495	75	29501	36.613	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.495	75	29501	83.138	ug/l	# 12

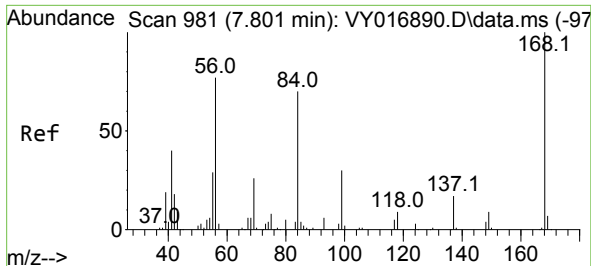
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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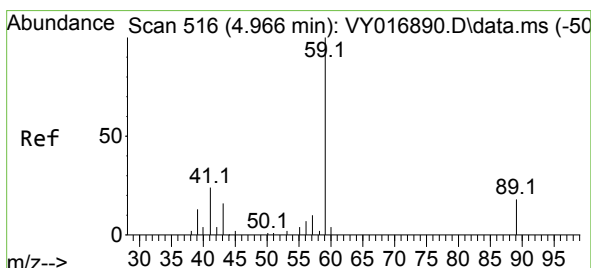
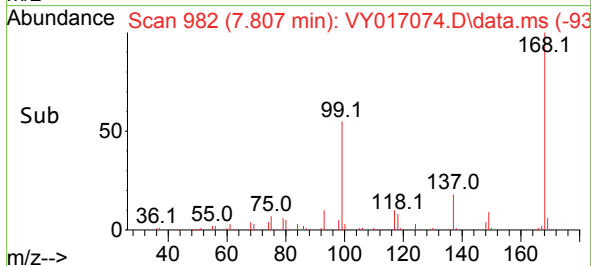
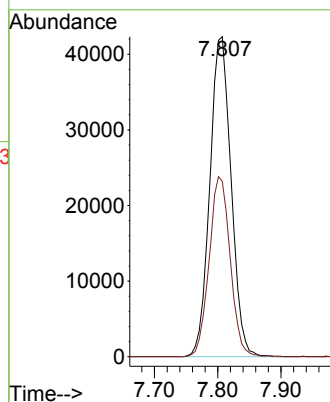
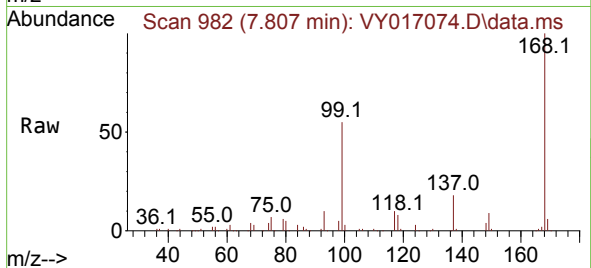




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017074.D
Acq: 22 Jan 2024 14:42

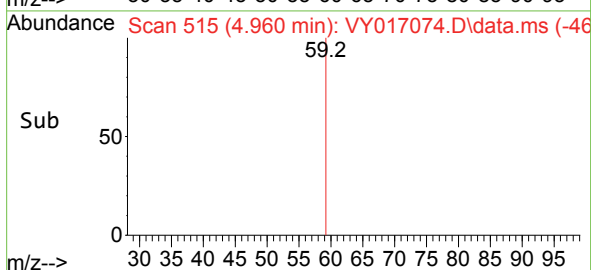
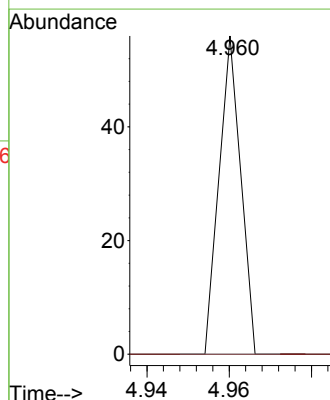
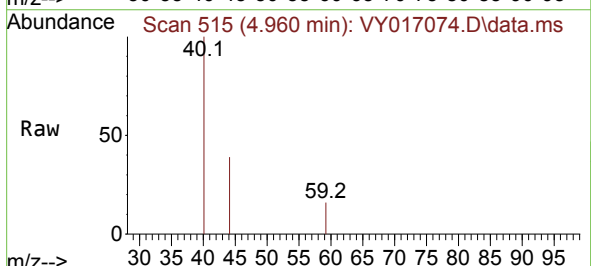
Instrument :
MSVOA_Y
ClientSampleId :

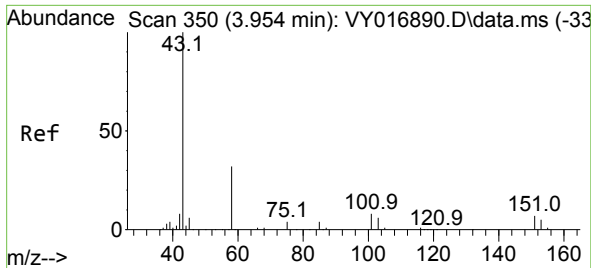
Tgt Ion:168 Resp: 98809
Ion Ratio Lower Upper
168 100
99 54.9 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY017074.D
Acq: 22 Jan 2024 14:42

Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: Below Cal

RT: 3.954 min Scan# 31

Delta R.T. -0.006 min

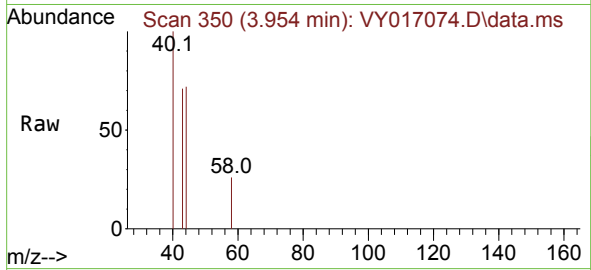
Lab File: VY017074.D

Acq: 22 Jan 2024 14:42

Instrument :

MSVOA_Y

ClientSampleId :

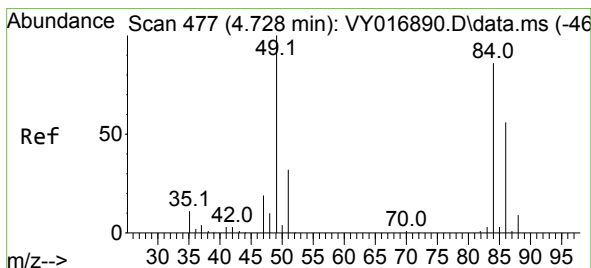
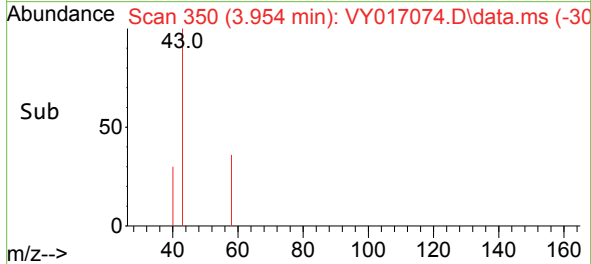
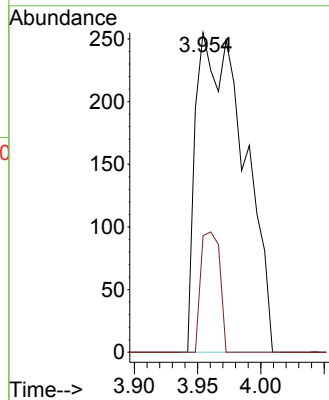


Tgt Ion: 43 Resp: 676

Ion Ratio Lower Upper

43 100

58 36.5 26.6 39.8



#20

Methylene Chloride

Concen: 6.267 ug/l

RT: 4.741 min Scan# 479

Delta R.T. 0.007 min

Lab File: VY017074.D

Acq: 22 Jan 2024 14:42

Tgt Ion: 84 Resp: 15930

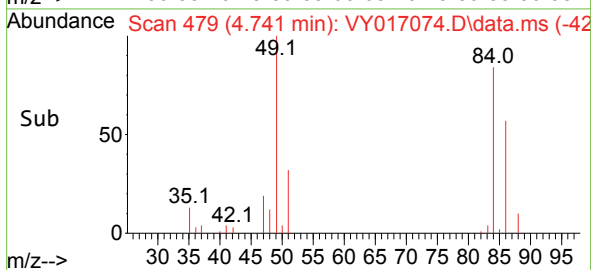
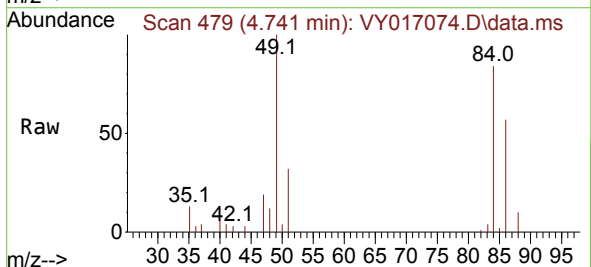
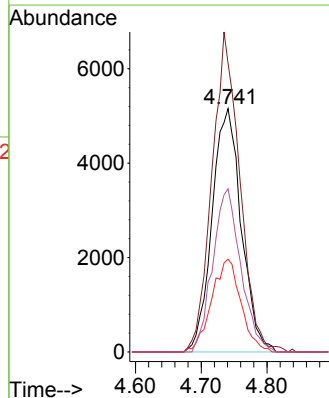
Ion Ratio Lower Upper

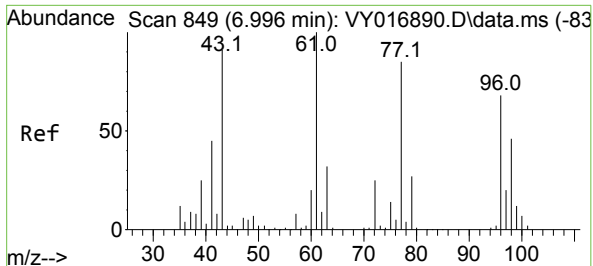
84 100

49 118.6 95.2 142.8

51 38.1 29.9 44.9

86 67.0 52.2 78.4





#25

2-Butanone

Concen: Below Cal

RT: 7.027 min Scan# 81

Delta R.T. 0.031 min

Lab File: VY017074.D

Acq: 22 Jan 2024 14:42

Instrument :

MSVOA_Y

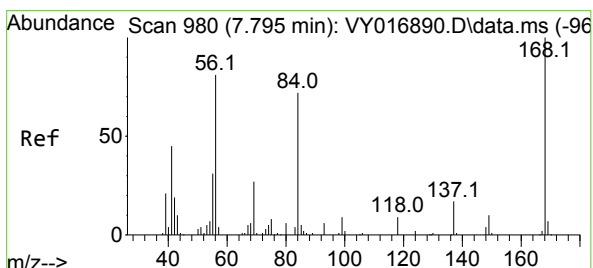
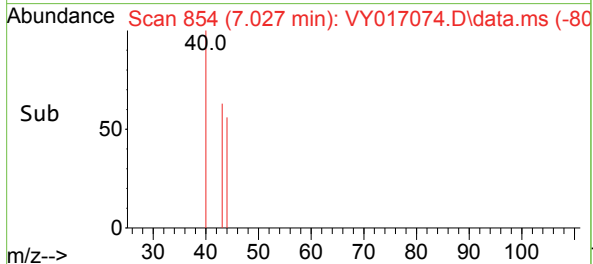
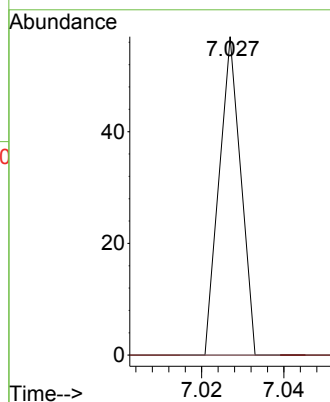
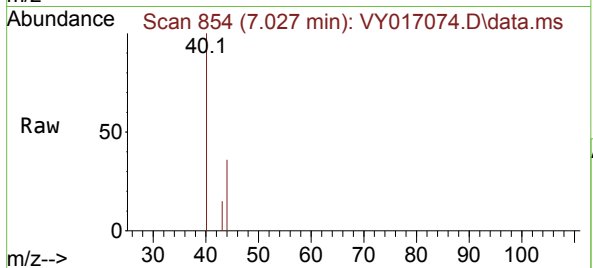
ClientSampleId :

Tgt Ion: 43 Resp: 21

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.381 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY017074.D

Acq: 22 Jan 2024 14:42

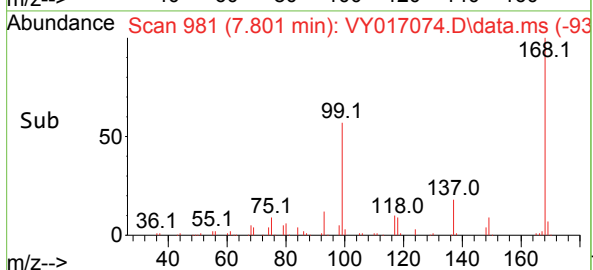
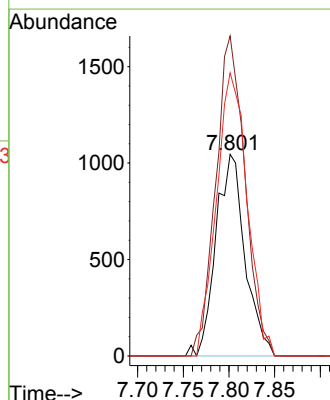
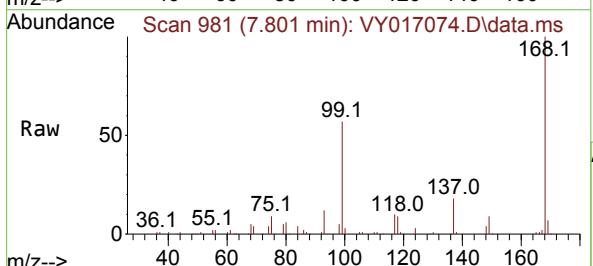
Tgt Ion: 56 Resp: 2314

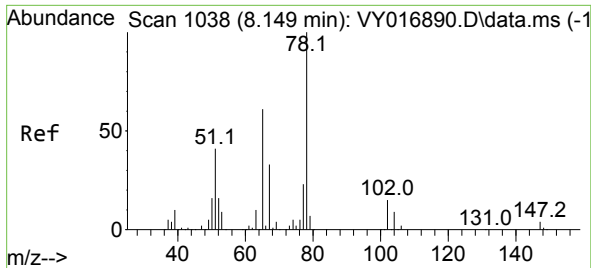
Ion Ratio Lower Upper

56 100

69 158.8 27.0 40.6#

84 140.4 71.8 107.6#

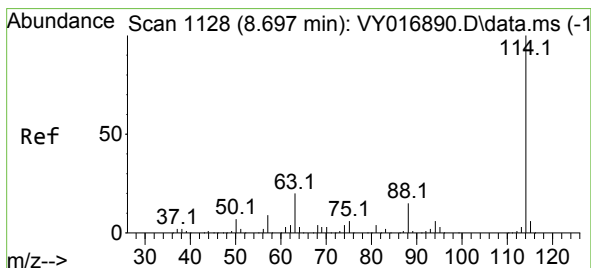
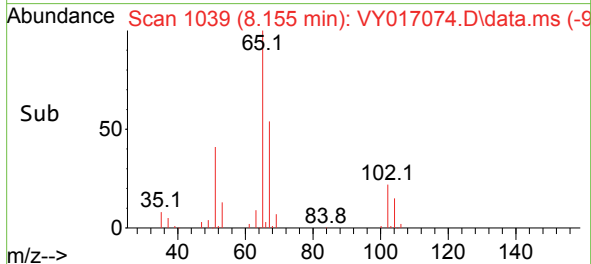
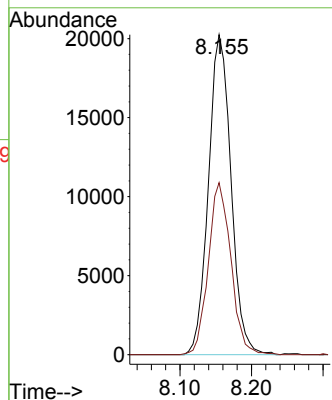
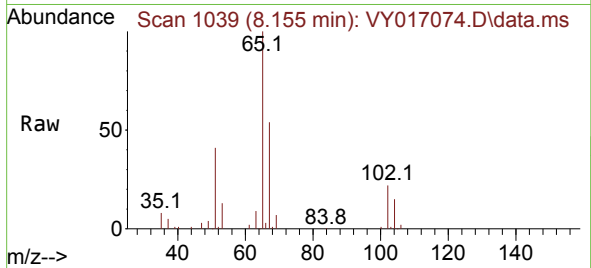




#33
 1,2-Dichloroethane-d4
 Concen: 45.527 ug/l
 RT: 8.155 min Scan# 1039
 Delta R.T. -0.000 min
 Lab File: VY017074.D
 Acq: 22 Jan 2024 14:42

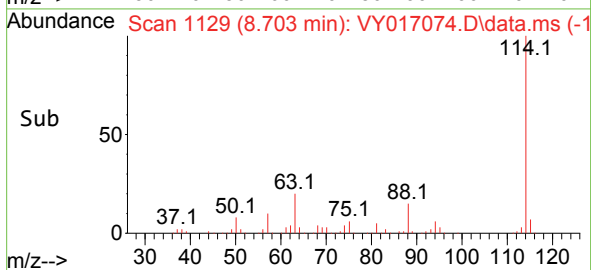
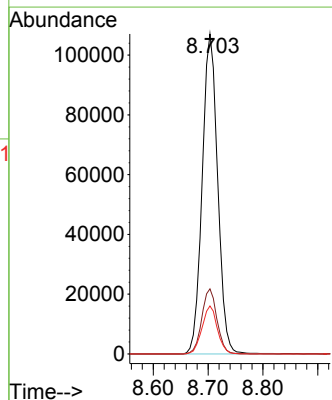
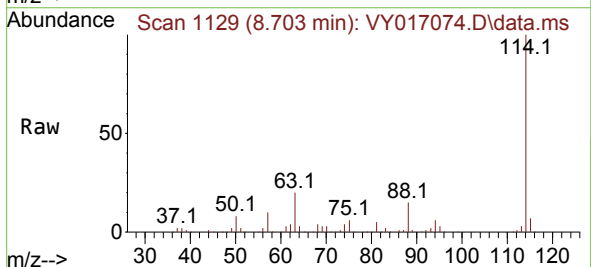
Instrument :
 MSVOA_Y
 ClientSampleId :

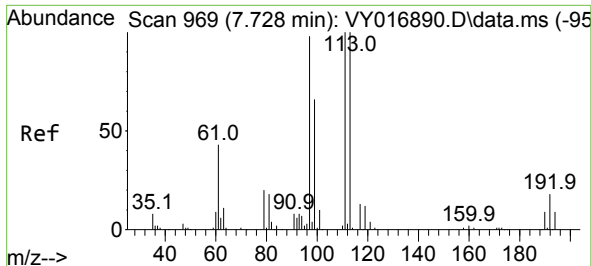
Tgt Ion: 65 Resp: 44461
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.703 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VY017074.D
 Acq: 22 Jan 2024 14:42

Tgt Ion: 114 Resp: 209855
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 37.4
 88 15.0 0.0 29.0

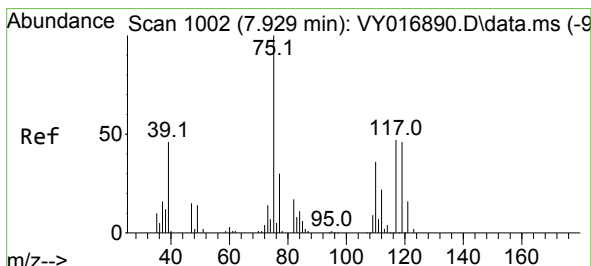
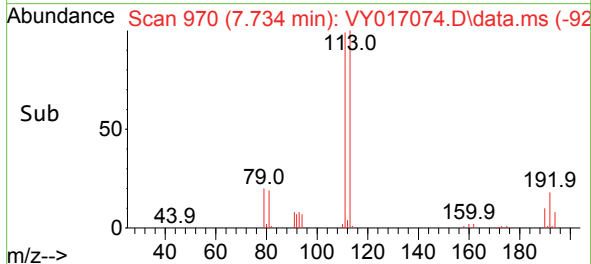
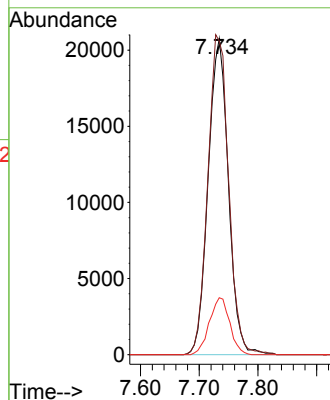
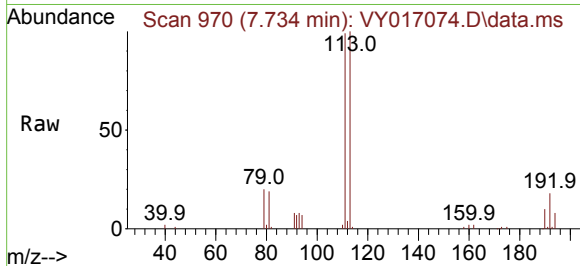




#35
Dibromofluoromethane
Concen: 37.150 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017074.D
Acq: 22 Jan 2024 14:42

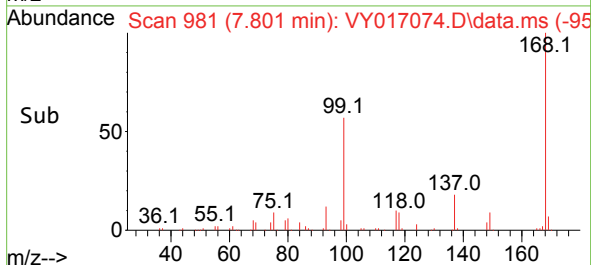
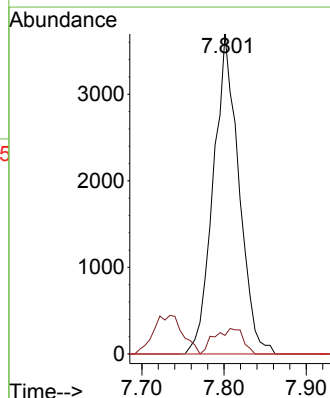
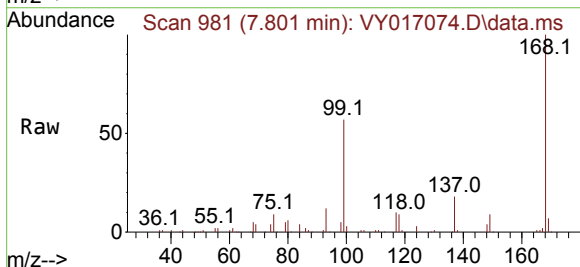
Instrument :
MSVOA_Y
ClientSampleId :

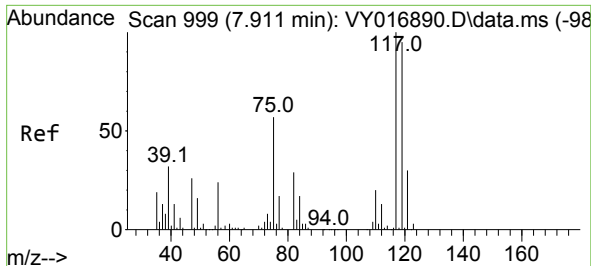
Tgt Ion:113 Resp: 49680
Ion Ratio Lower Upper
113 100
111 104.1 83.8 125.6
192 18.1 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.087 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY017074.D
Acq: 22 Jan 2024 14:42

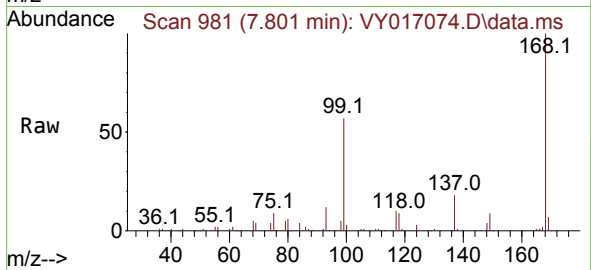
Tgt Ion: 75 Resp: 7965
Ion Ratio Lower Upper
75 100
110 8.9 17.4 52.3#
77 0.0 24.7 37.1#



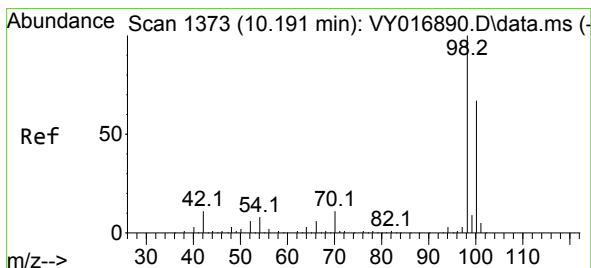
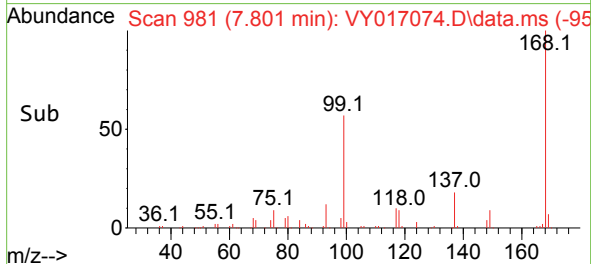
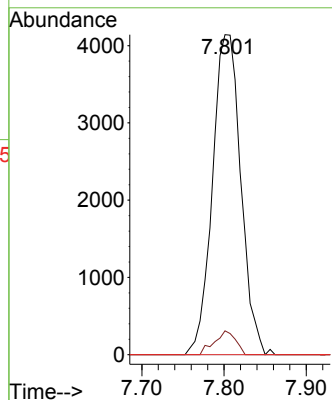


#38
Carbon Tetrachloride
Concen: 5.016 ug/l
RT: 7.801 min Scan# 999
Delta R.T. -0.116 min
Lab File: VY017074.D
Acq: 22 Jan 2024 14:42

Instrument :
MSVOA_Y
ClientSampleId :

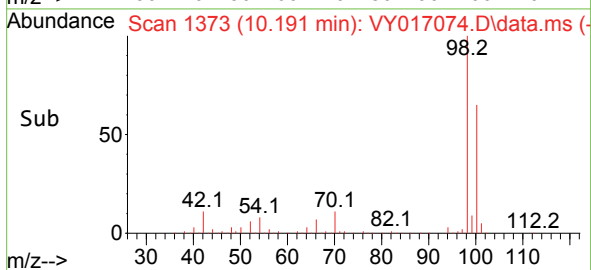
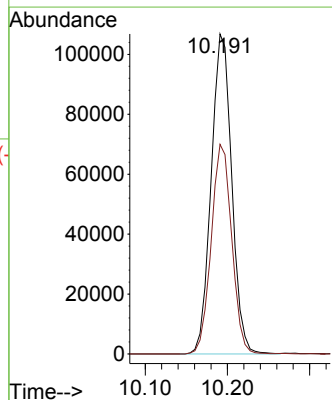
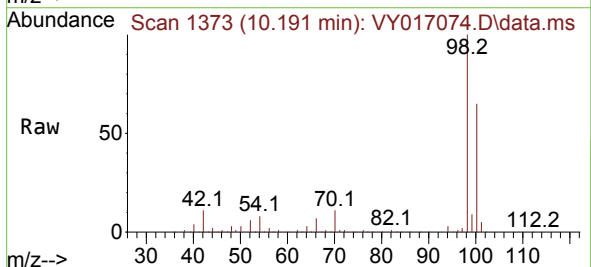


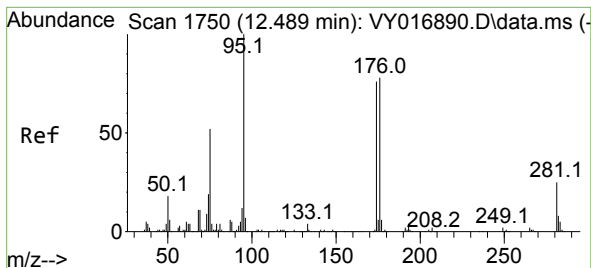
Tgt Ion:117 Resp: 9932
Ion Ratio Lower Upper
117 100
119 7.5 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 40.247 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY017074.D
Acq: 22 Jan 2024 14:42

Tgt Ion: 98 Resp: 185336
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5

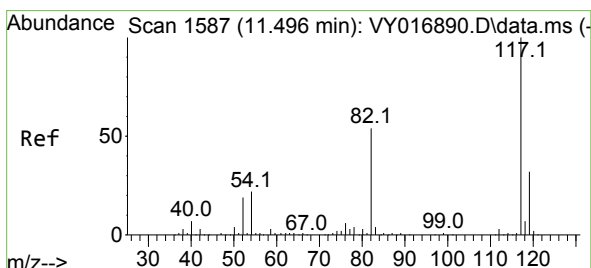
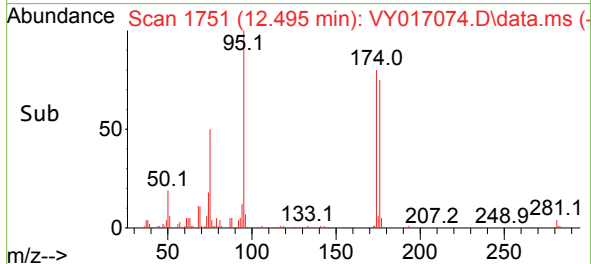
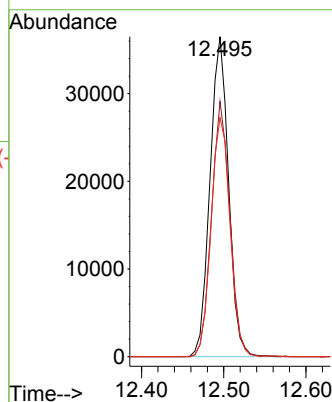
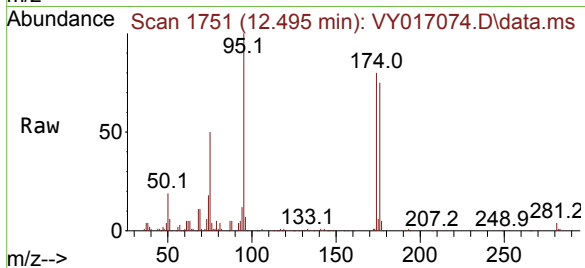




#62
4-Bromofluorobenzene
Concen: 36.759 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY017074.D
Acq: 22 Jan 2024 14:42

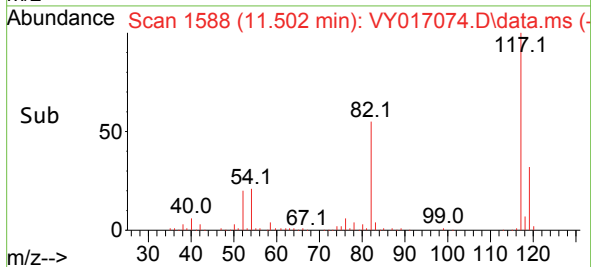
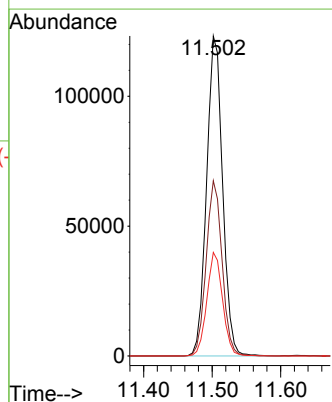
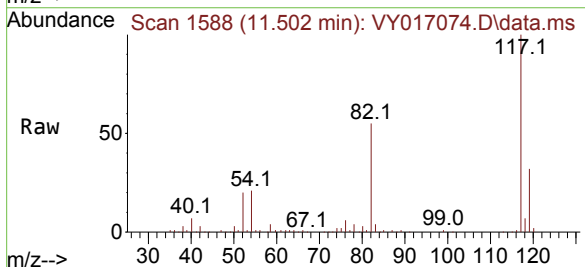
Instrument :
MSVOA_Y
ClientSampleId :

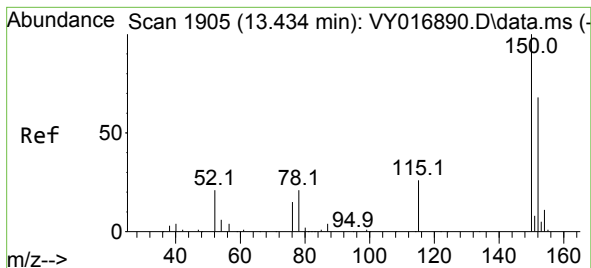
Tgt Ion: 95 Resp: 57111
Ion Ratio Lower Upper
95 100
174 79.3 0.0 160.0
176 76.5 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY017074.D
Acq: 22 Jan 2024 14:42

Tgt Ion: 117 Resp: 200248
Ion Ratio Lower Upper
117 100
82 54.8 43.8 65.8
119 32.3 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: VY017074.D

Acq: 22 Jan 2024 14:42

Instrument :

MSVOA_Y

ClientSampleId :

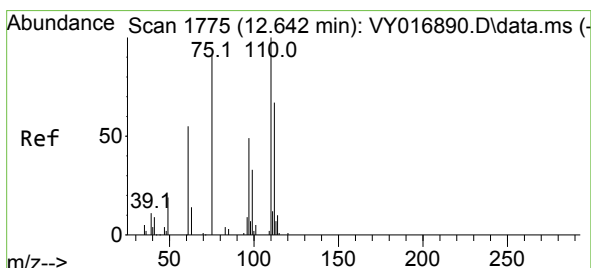
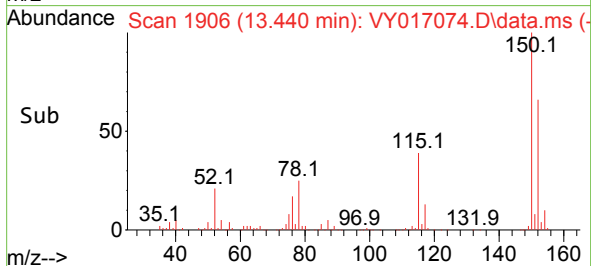
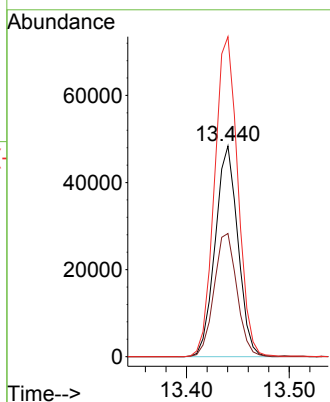
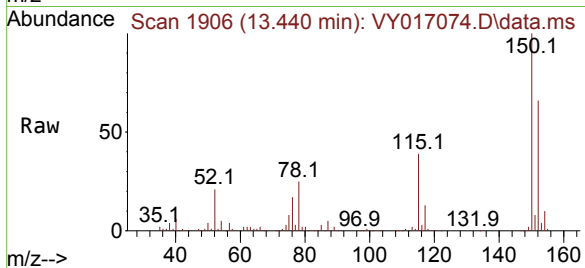
Tgt Ion:152 Resp: 74251

Ion Ratio Lower Upper

152 100

115 58.9 30.0 90.0

150 155.6 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 36.613 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.147 min

Lab File: VY017074.D

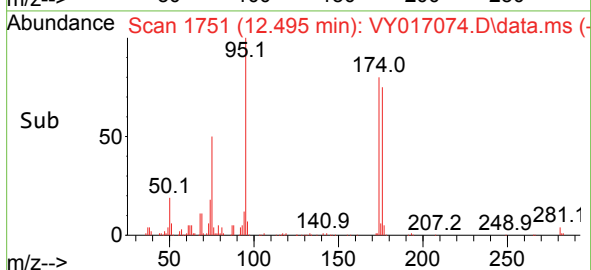
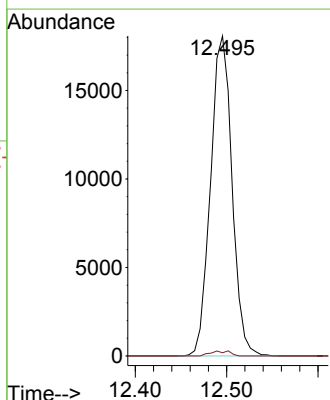
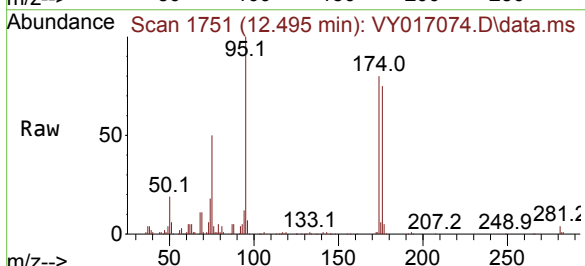
Acq: 22 Jan 2024 14:42

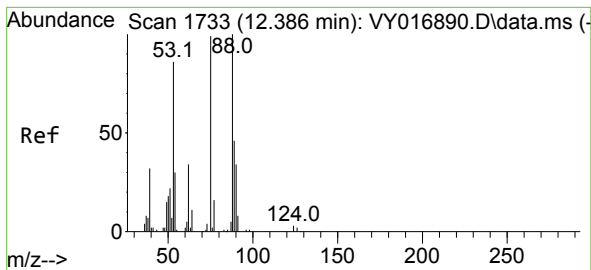
Tgt Ion: 75 Resp: 29501

Ion Ratio Lower Upper

75 100

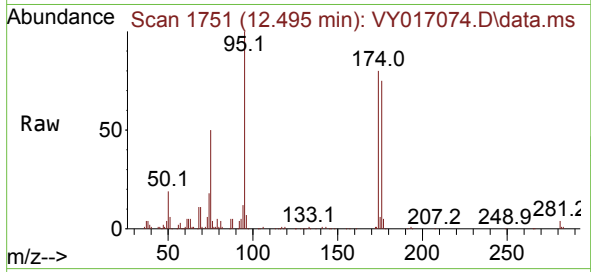
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 83.138 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY017074.D
Acq: 22 Jan 2024 14:42

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	75	Resp:	29501
Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.0	111.0#
89	0.0	36.5	54.7#

