

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051624\
 Data File : VY018290.D
 Acq On : 16 May 2024 17:11
 Operator : SY/MD
 Sample : P2497-07
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 280646

Quant Time: May 17 01:17:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	137680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	273697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	245671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	90153	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	76348	75.378	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	150.760%
35) Dibromofluoromethane	7.710	113	82726	57.512	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.020%
50) Toluene-d8	10.179	98	318854	56.253	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.500%
62) 4-Bromofluorobenzene	12.483	95	95175	51.994	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.980%

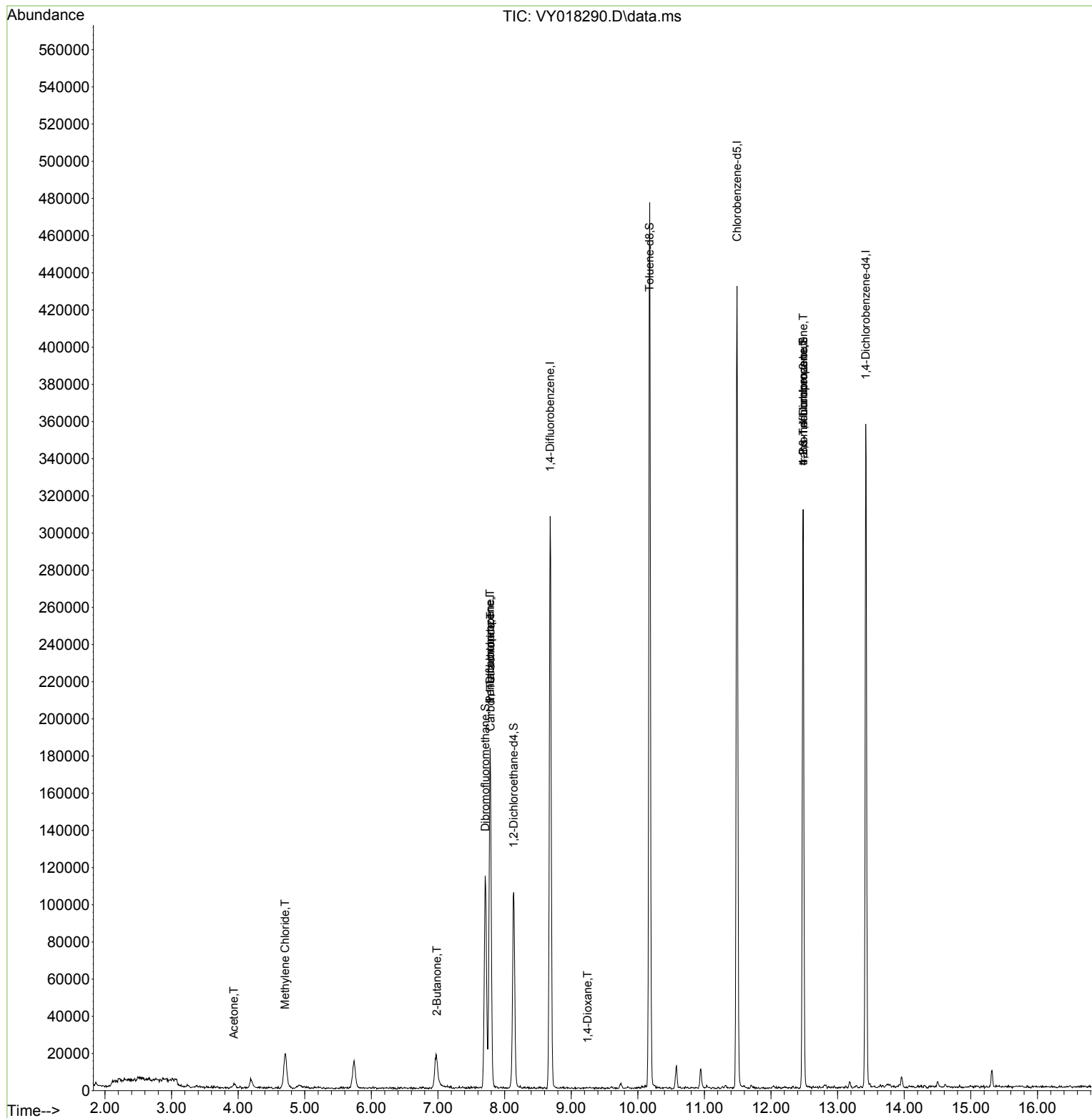
Target Compounds					Qvalue	
13) Acrolein	3.716	56	100	Below Cal	#	74
16) Acetone	3.936	43	3646	18.038	ug/l	96
20) Methylene Chloride	4.704	84	14071	9.849	ug/l	94
25) 2-Butanone	6.984	43	1440	4.457	ug/l	# 70
31) Cyclohexane	7.783	56	3638	Below Cal	#	29
36) 1,1-Dichloropropene	7.783	75	12094	5.865	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	15075	6.691	ug/l	# 16
49) 1,4-Dioxane	9.246	88	46	4.157	ug/l	# 20
76) 1,2,3-Trichloropropane	12.483	75	49470	68.554	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	49470	132.081	ug/l	# 16

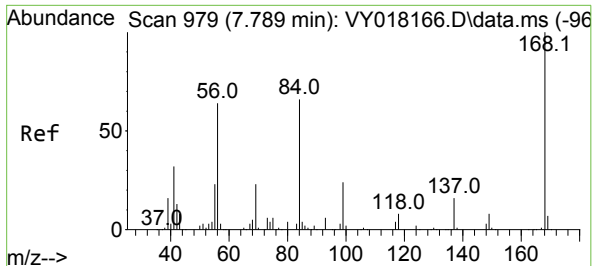
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

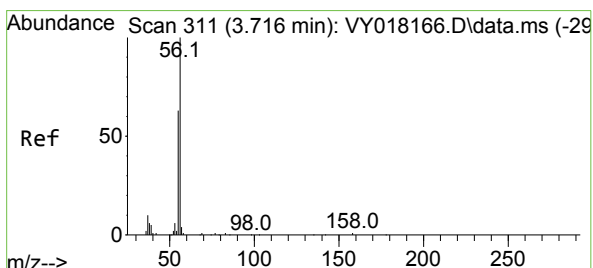
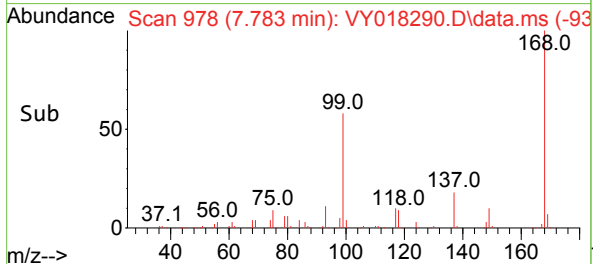
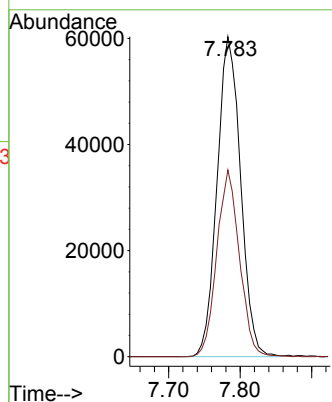
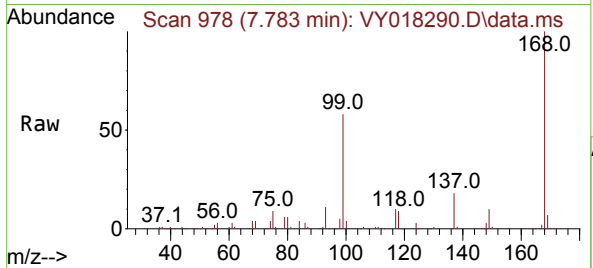




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018290.D
Acq: 16 May 2024 17:11

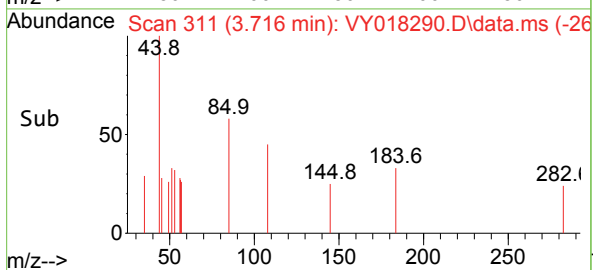
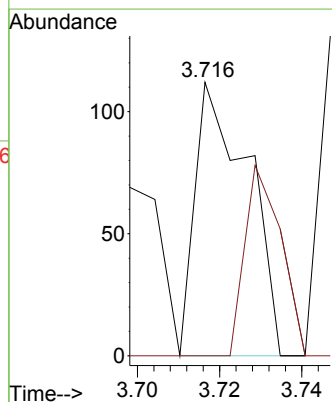
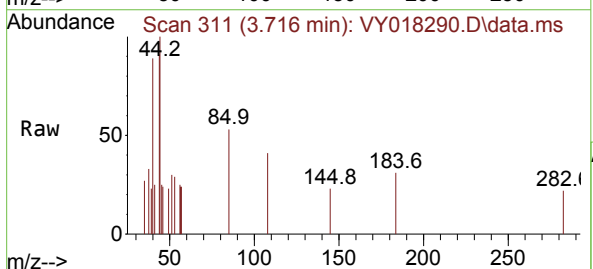
Instrument :
MSVOA_Y
ClientSampleId :
280646

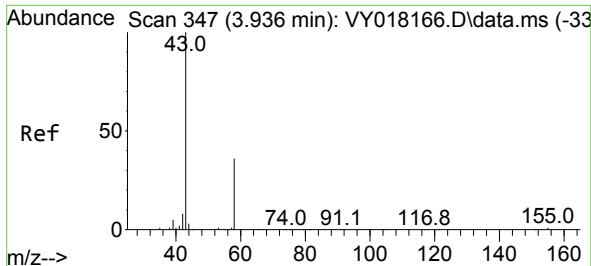
Tgt Ion:168 Resp: 137680
Ion Ratio Lower Upper
168 100
99 58.3 39.1 58.7



#13
Acrolein
Concen: Below Cal
RT: 3.716 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY018290.D
Acq: 16 May 2024 17:11

Tgt Ion: 56 Resp: 100
Ion Ratio Lower Upper
56 100
55 48.0 55.7 83.5#





#16

Acetone

Concen: 18.038 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY018290.D

Acq: 16 May 2024 17:11

Instrument :

MSVOA_Y

ClientSampleId :

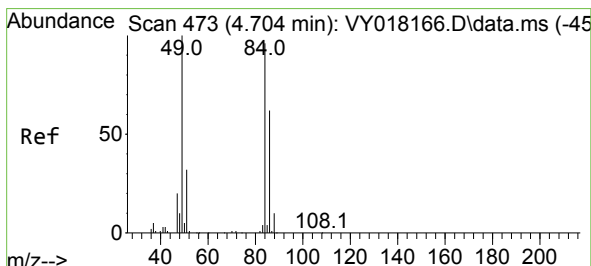
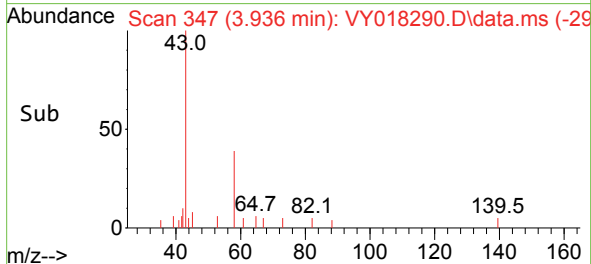
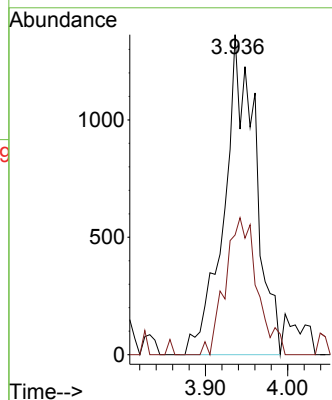
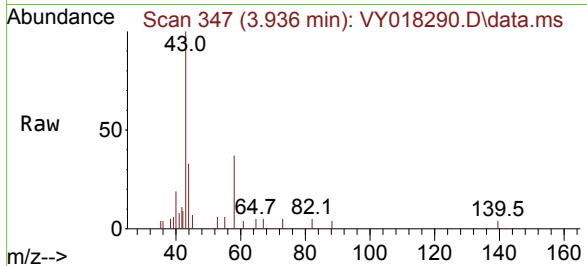
280646

Tgt Ion: 43 Resp: 3646

Ion Ratio Lower Upper

43 100

58 37.4 31.7 47.5



#20

Methylene Chloride

Concen: 9.849 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.000 min

Lab File: VY018290.D

Acq: 16 May 2024 17:11

Tgt Ion: 84 Resp: 14071

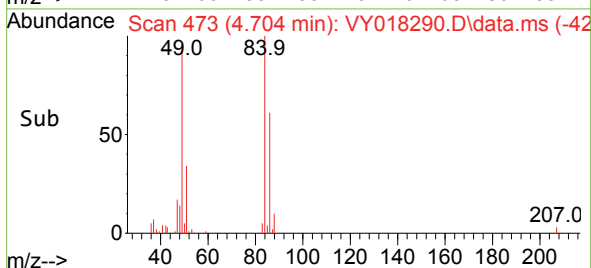
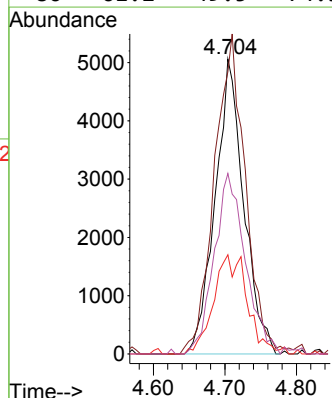
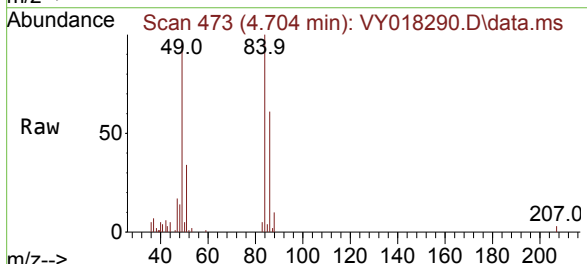
Ion Ratio Lower Upper

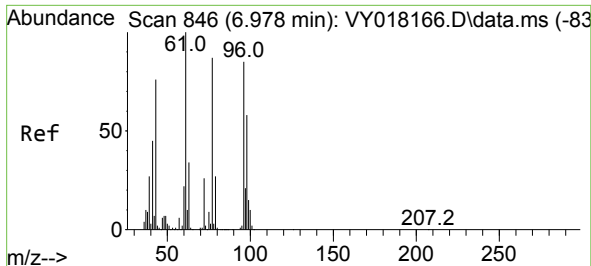
84 100

49 95.7 84.4 126.6

51 33.7 26.0 39.0

86 61.2 49.5 74.3





#25

2-Butanone

Concen: 4.457 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY018290.D

Acq: 16 May 2024 17:11

Instrument :

MSVOA_Y

ClientSampleId :

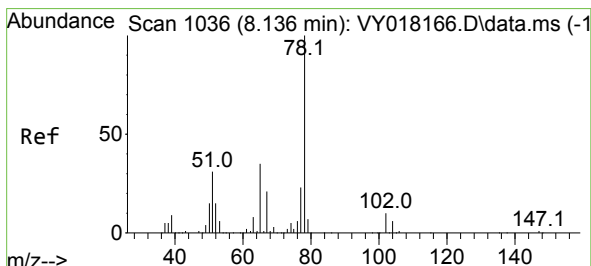
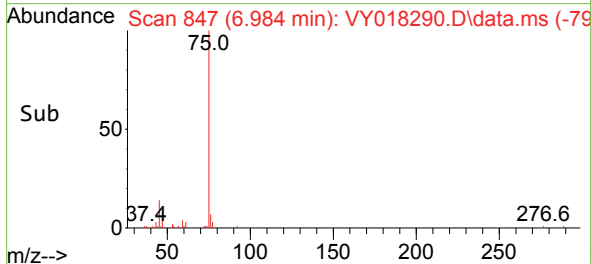
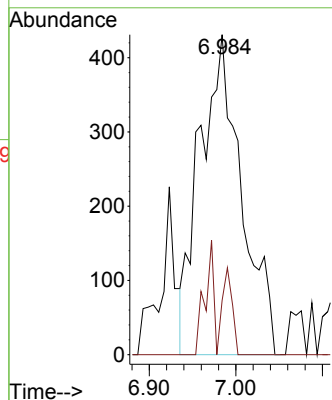
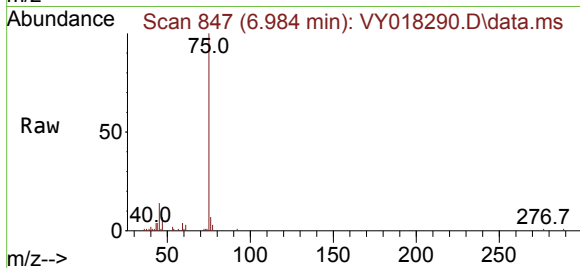
280646

Tgt Ion: 43 Resp: 1440

Ion Ratio Lower Upper

43 100

72 16.9 27.3 40.9#



#33

1,2-Dichloroethane-d4

Concen: 75.378 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY018290.D

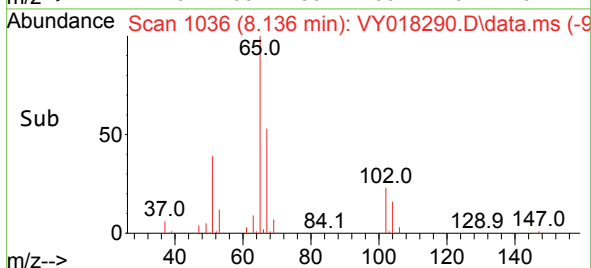
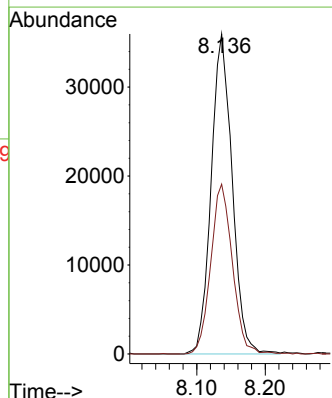
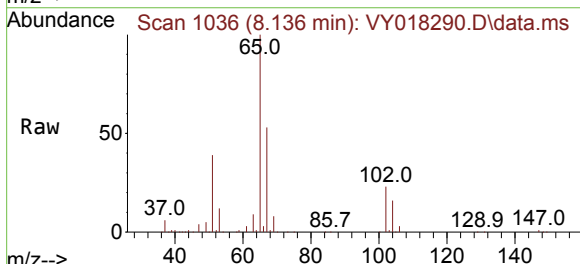
Acq: 16 May 2024 17:11

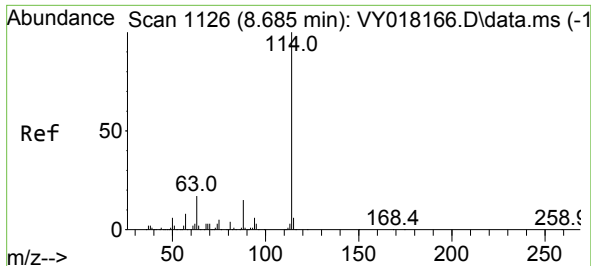
Tgt Ion: 65 Resp: 76348

Ion Ratio Lower Upper

65 100

67 54.9 0.0 109.6

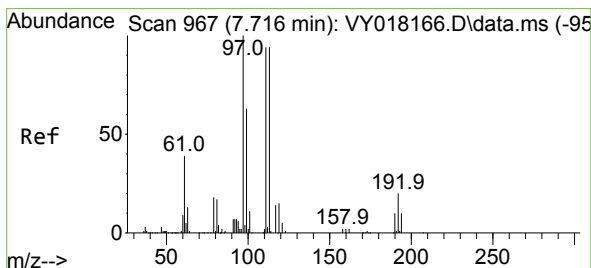
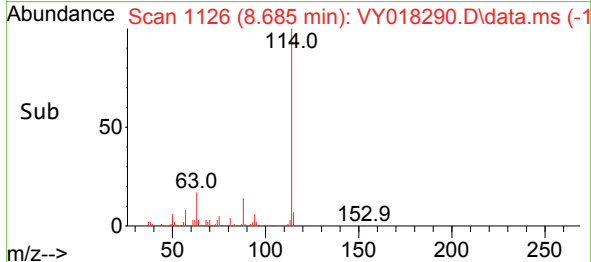
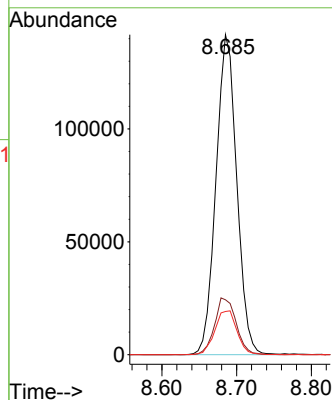
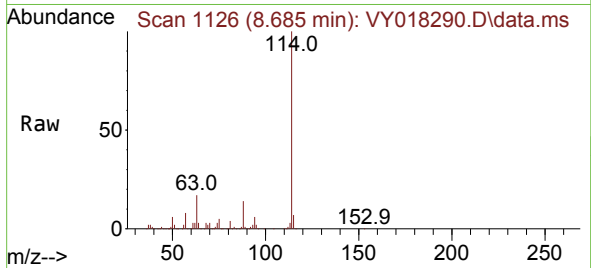




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY018290.D
Acq: 16 May 2024 17:11

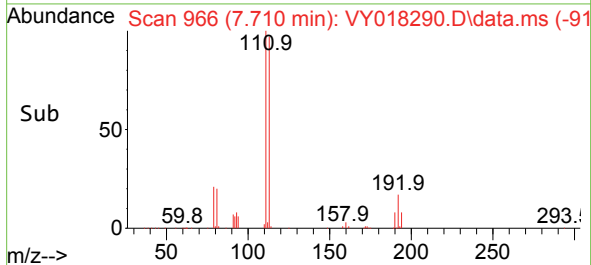
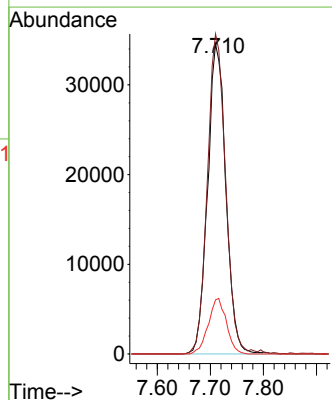
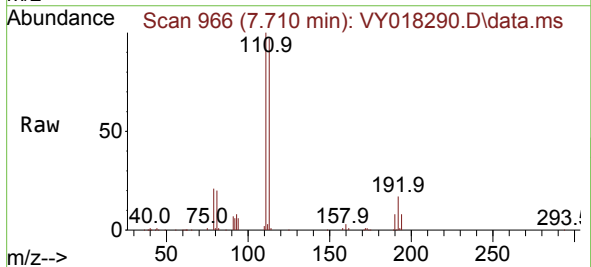
Instrument :
MSVOA_Y
ClientSampleId :
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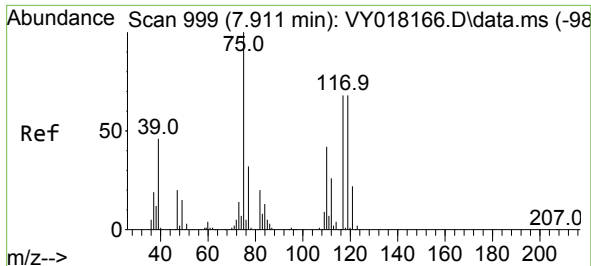
Tgt Ion:114 Resp: 273697
Ion Ratio Lower Upper
114 100
63 17.1 0.0 35.0
88 13.5 0.0 27.2



#35
Dibromofluoromethane
Concen: 57.512 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY018290.D
Acq: 16 May 2024 17:11

Tgt Ion:113 Resp: 82726
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 17.8 15.9 23.9

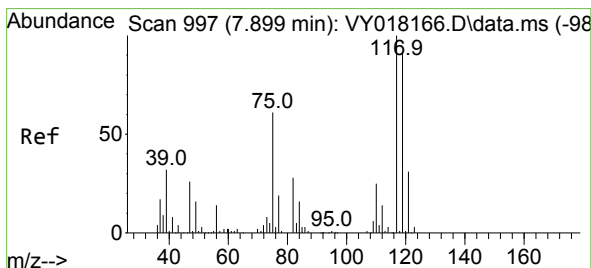
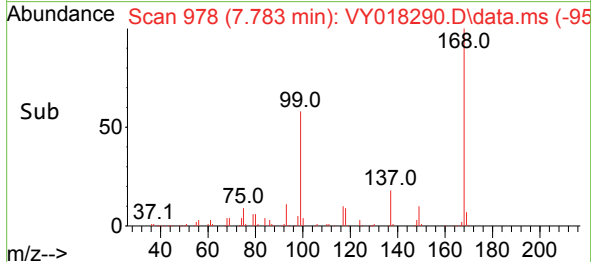
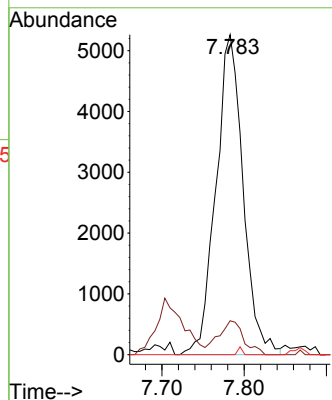
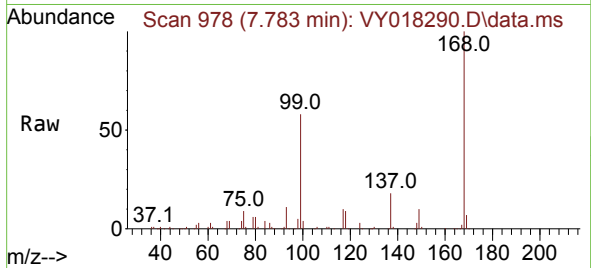




#36
 1,1-Dichloropropene
 Concen: 5.865 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY018290.D
 Acq: 16 May 2024 17:11

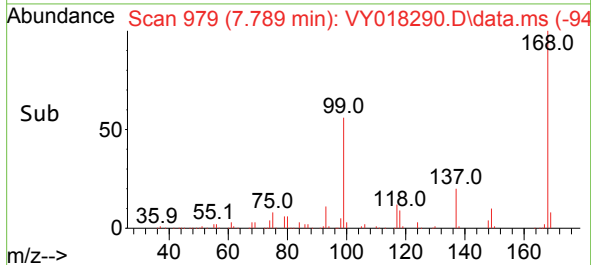
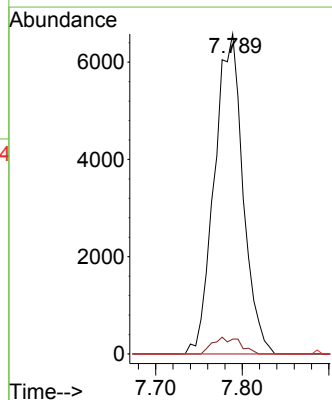
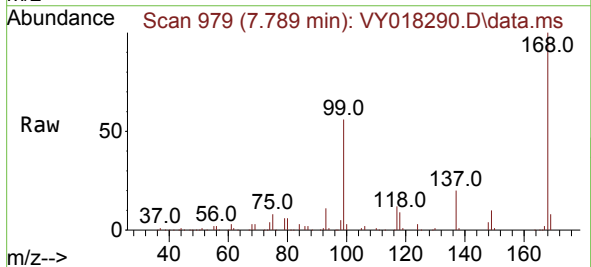
Instrument :
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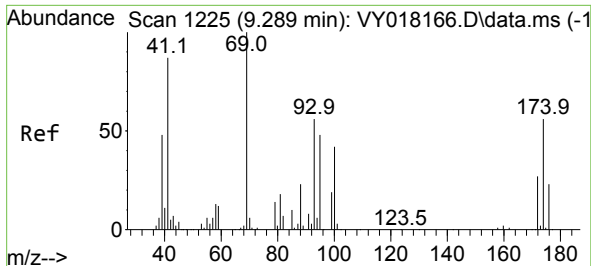
Tgt Ion: 75 Resp: 12094
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.0 57.0#
 77 0.4 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 6.691 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY018290.D
 Acq: 16 May 2024 17:11

Tgt Ion: 117 Resp: 15075
 Ion Ratio Lower Upper
 117 100
 119 4.7 75.8 113.6#
 121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 4.157 ug/l

RT: 9.246 min Scan# 1218

Delta R.T. -0.043 min

Lab File: VY018290.D

Acq: 16 May 2024 17:11

Instrument :

MSVOA_Y

ClientSampleId :

280646

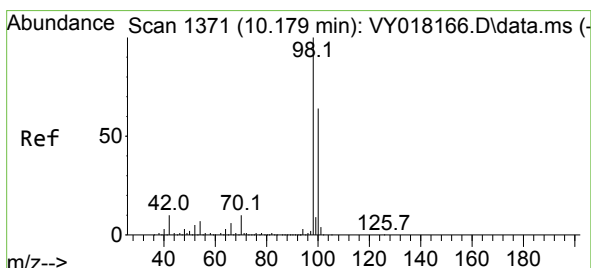
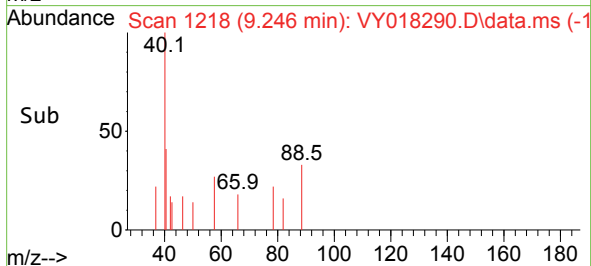
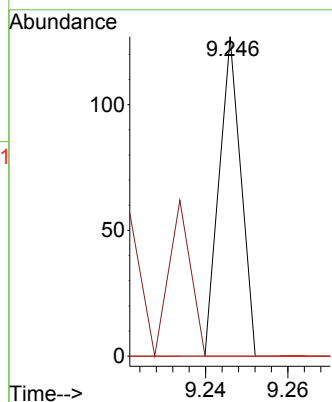
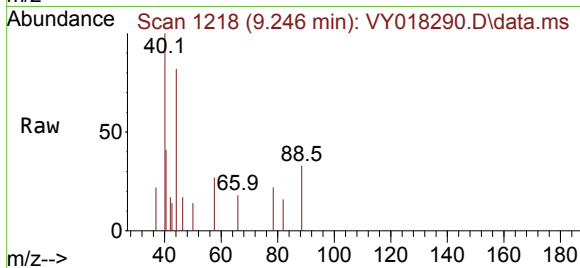
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 95.7 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 56.253 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018290.D

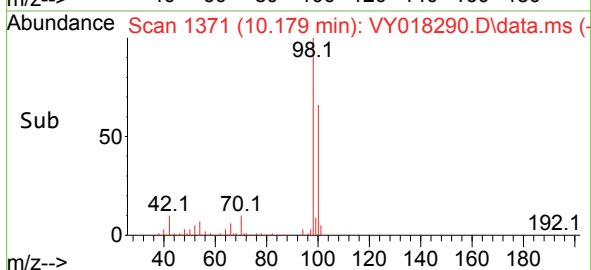
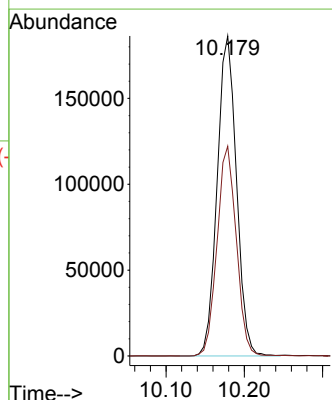
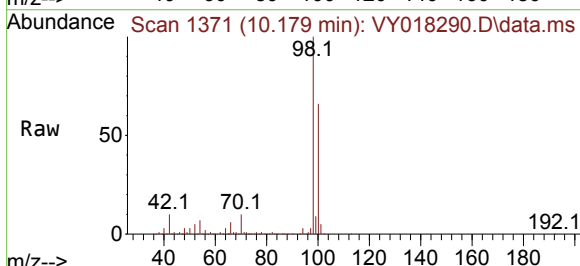
Acq: 16 May 2024 17:11

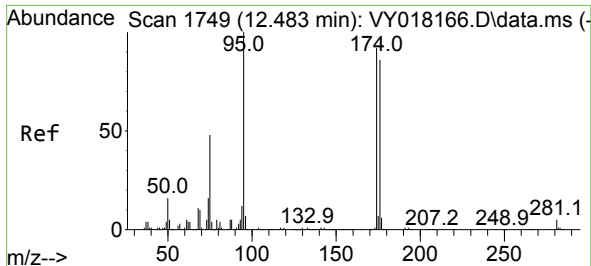
Tgt Ion: 98 Resp: 318854

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0

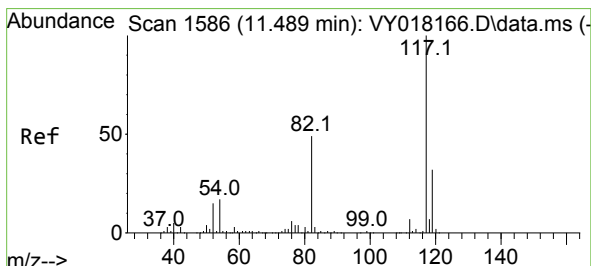
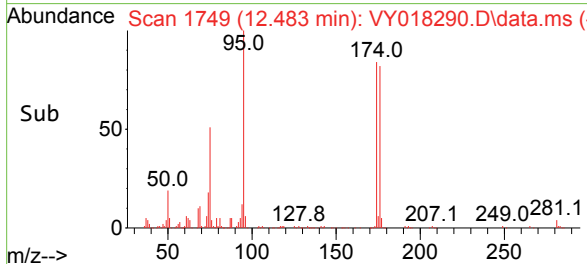
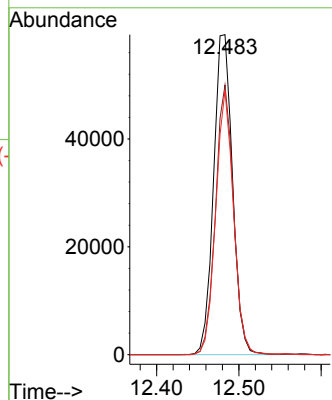
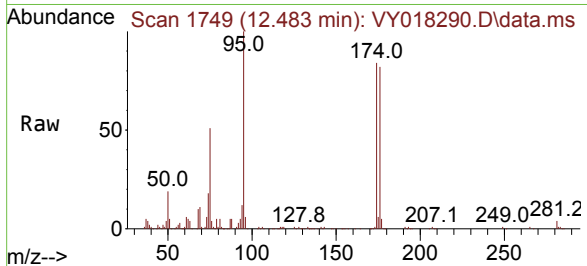




#62
4-Bromofluorobenzene
Concen: 51.994 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018290.D
Acq: 16 May 2024 17:11

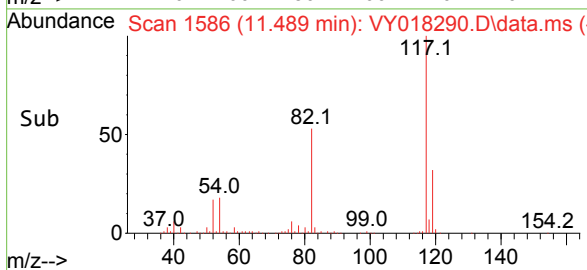
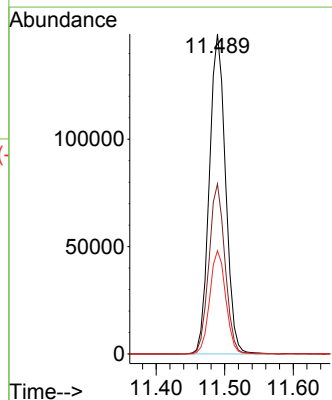
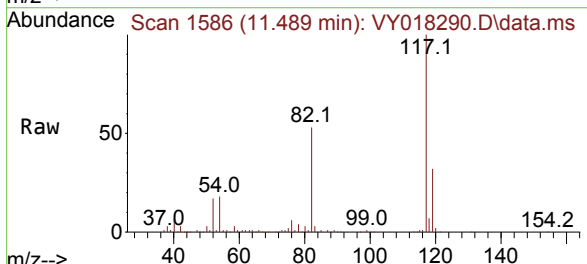
Instrument :
MSVOA_Y
ClientSampleId :
280646

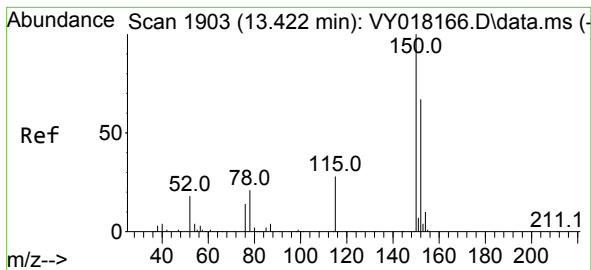
Tgt Ion: 95 Resp: 95175
Ion Ratio Lower Upper
95 100
174 80.4 0.0 175.6
176 77.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY018290.D
Acq: 16 May 2024 17:11

Tgt Ion: 117 Resp: 245671
Ion Ratio Lower Upper
117 100
82 53.2 42.4 63.6
119 32.3 25.9 38.9

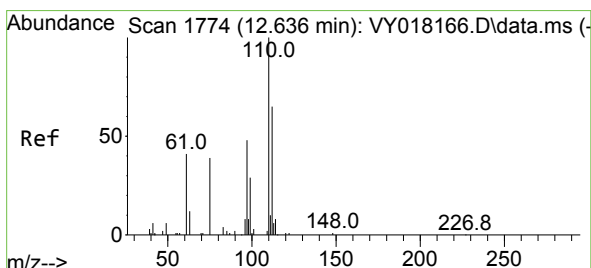
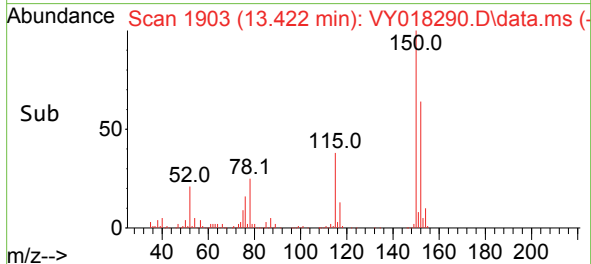
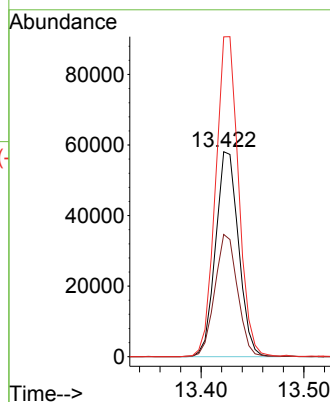
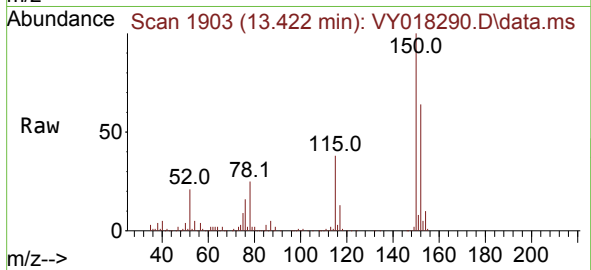




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY018290.D
 Acq: 16 May 2024 17:11

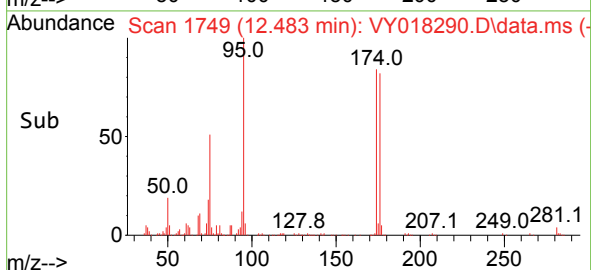
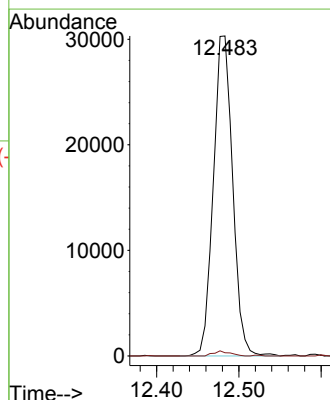
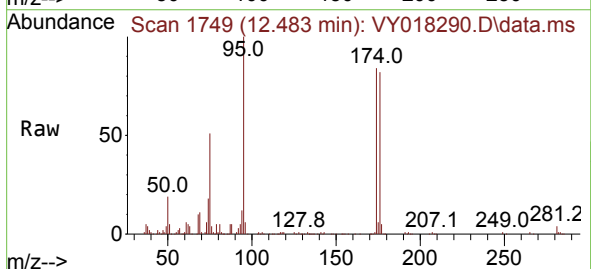
Instrument :
 MSVOA_Y
 ClientSampleId :
 280646

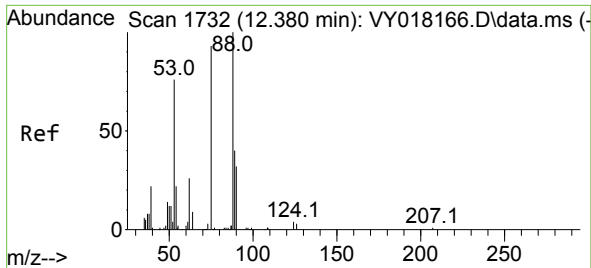
Tgt Ion:152 Resp: 90153
 Ion Ratio Lower Upper
 152 100
 115 59.3 28.2 84.7
 150 155.9 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 68.554 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY018290.D
 Acq: 16 May 2024 17:11

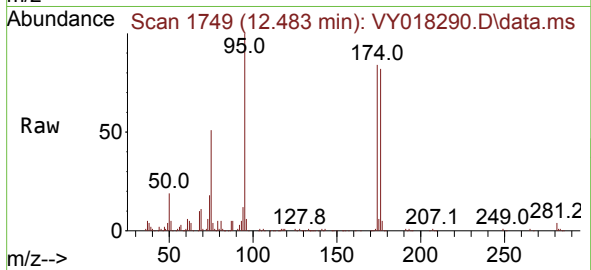
Tgt Ion: 75 Resp: 49470
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 132.081 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY018290.D
Acq: 16 May 2024 17:11

Instrument :
MSVOA_Y
ClientSampleId :
280646



Tgt Ion:	75	Resp:	49470
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	35.8	53.6#

