

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020924\
 Data File : VY017335.D
 Acq On : 09 Feb 2024 13:32
 Operator : SY/MD
 Sample : P1414-01
 Misc : 4.52g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-6(15-16)

Quant Time: Feb 09 22:02:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

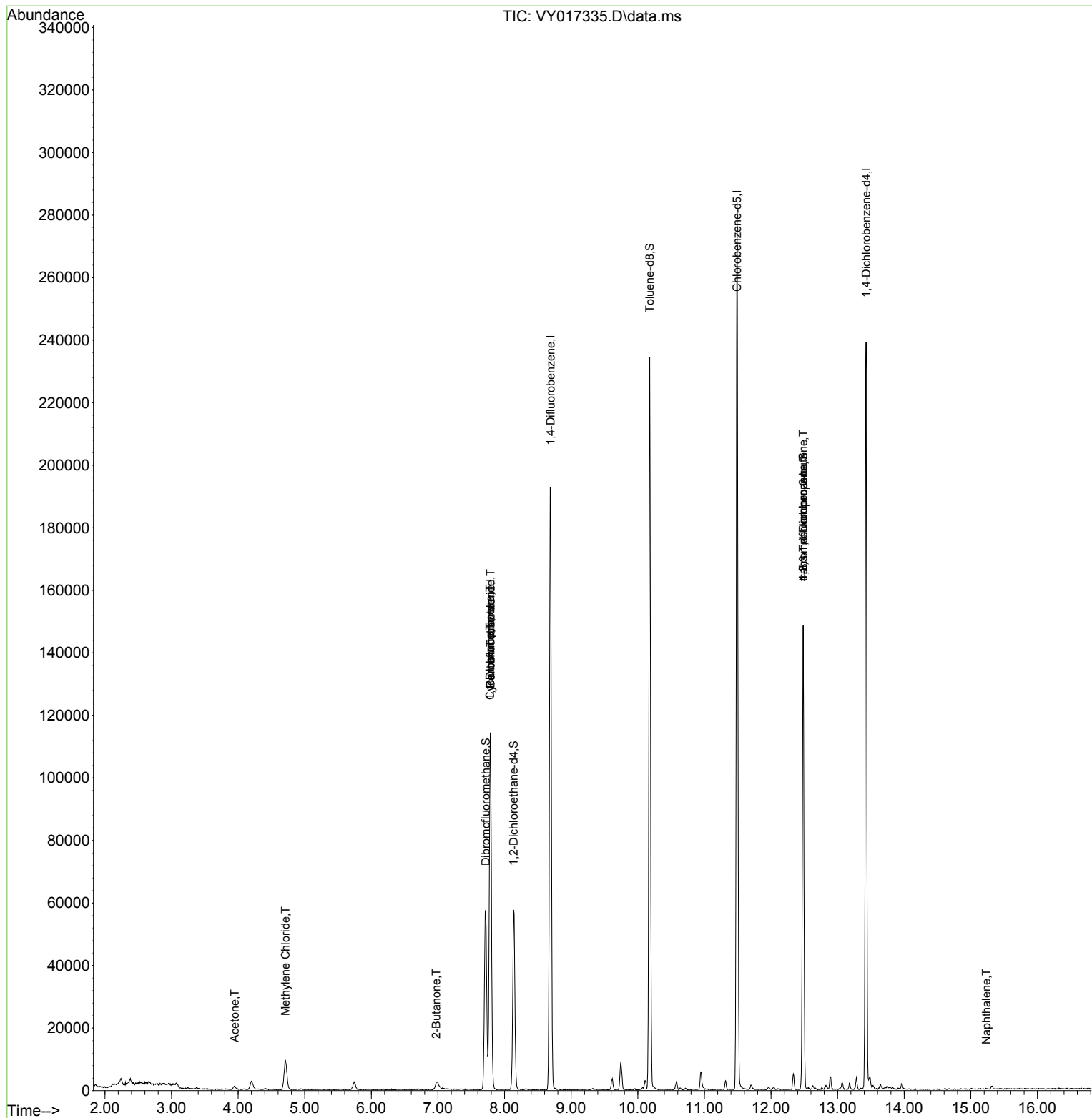
Internal Standards						
1) Pentafluorobenzene	7.789	168	87807	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	169628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	153155	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	59767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	42372	54.017	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.040%	
35) Dibromofluoromethane	7.716	113	42030	45.890	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.780%	
50) Toluene-d8	10.179	98	150446	45.116	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.240%	
62) 4-Bromofluorobenzene	12.483	95	42991	39.356	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.720%	
Target Compounds						
11) Tert butyl alcohol	4.948	59	287	Below Cal	#	75
16) Acetone	3.948	43	1842	7.990	ug/l	98
20) Methylene Chloride	4.710	84	6896	4.086	ug/l	89
25) 2-Butanone	6.972	43	544	1.775	ug/l	# 48
31) Cyclohexane	7.783	56	1900	1.202	ug/l	# 4
36) 1,1-Dichloropropene	7.783	75	7607	4.815	ug/l	# 48
38) Carbon Tetrachloride	7.789	117	9077	6.001	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	22923	41.554	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	22923	86.344	ug/l	# 12
95) Naphthalene	15.233	128	355	3.632	ug/l	# 69

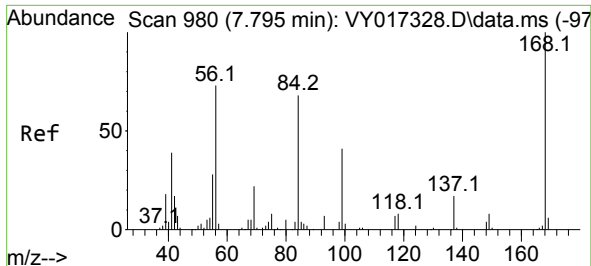
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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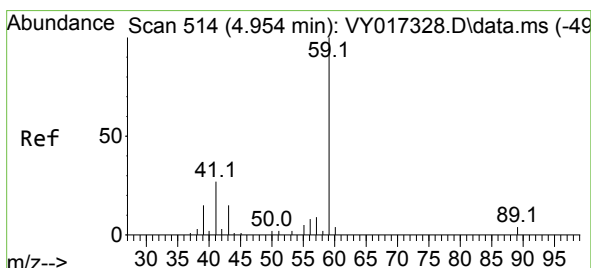
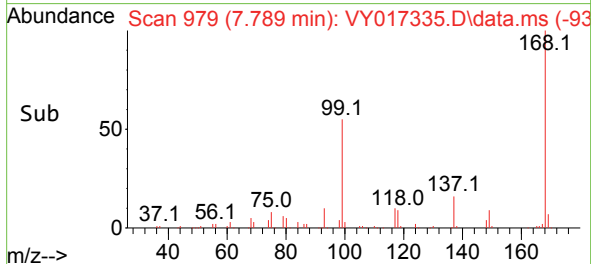
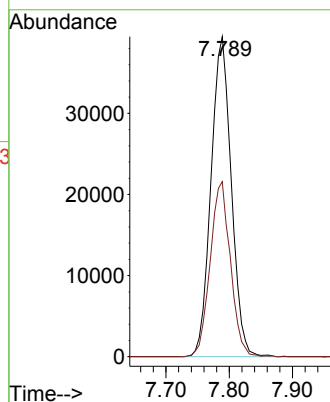
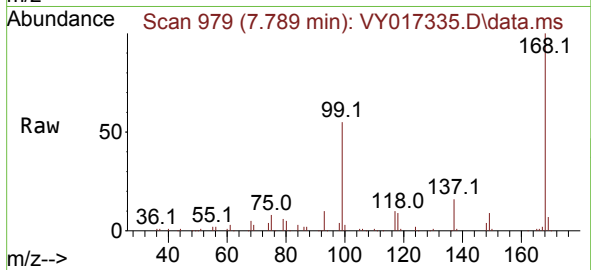




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017335.D
Acq: 09 Feb 2024 13:32

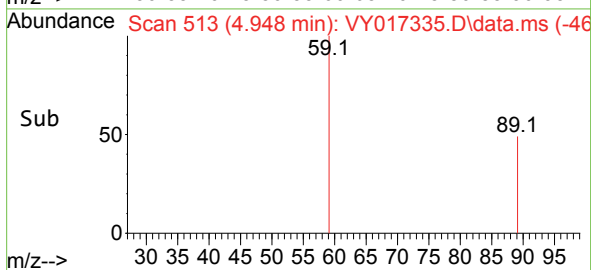
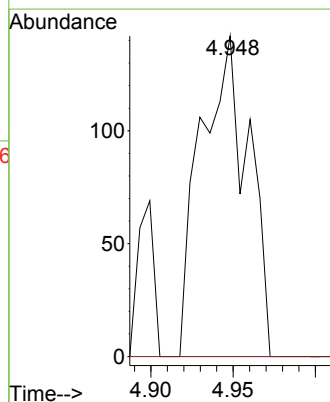
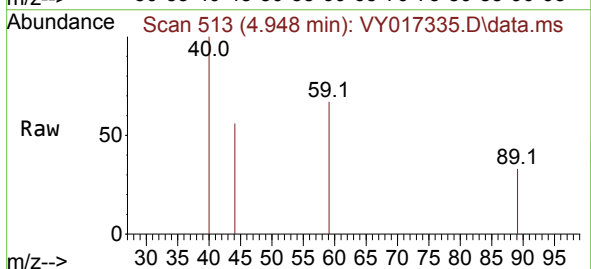
Instrument :
MSVOA_Y
ClientSampleId :
SB-6(15-16)

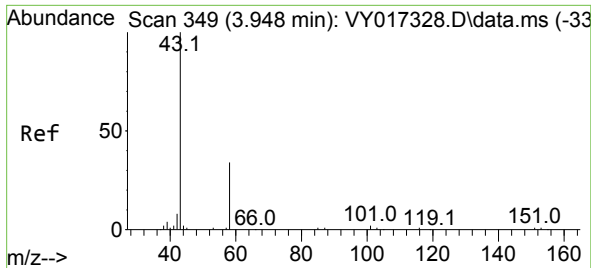
Tgt Ion:168 Resp: 87807
Ion Ratio Lower Upper
168 100
99 54.7 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY017335.D
Acq: 09 Feb 2024 13:32

Tgt Ion: 59 Resp: 287
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 7.990 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY017335.D

Acq: 09 Feb 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

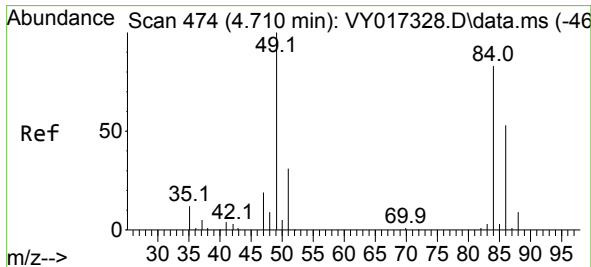
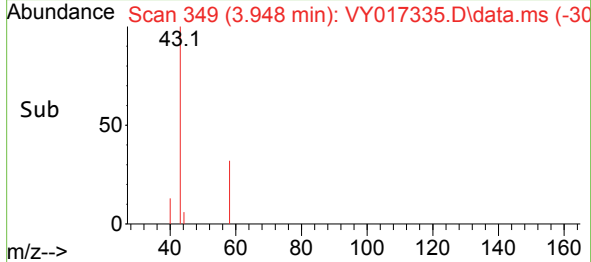
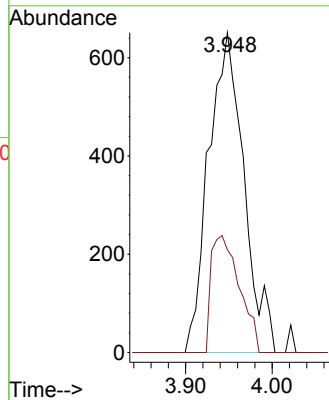
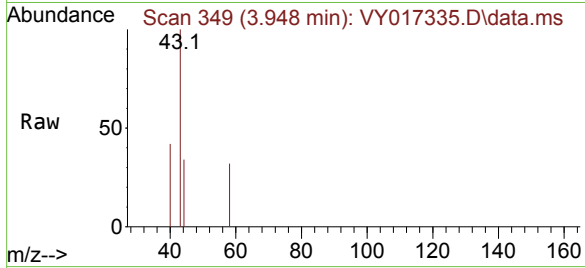
SB-6(15-16)

Tgt Ion: 43 Resp: 1842

Ion Ratio Lower Upper

43 100

58 32.1 26.6 39.8



#20

Methylene Chloride

Concen: 4.086 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.018 min

Lab File: VY017335.D

Acq: 09 Feb 2024 13:32

Tgt Ion: 84 Resp: 6896

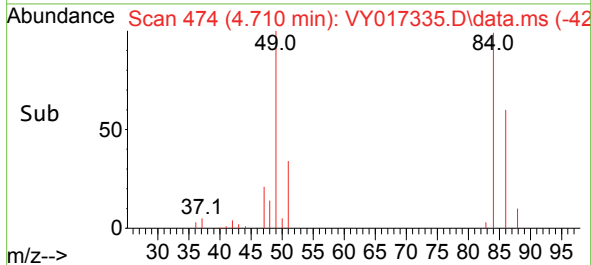
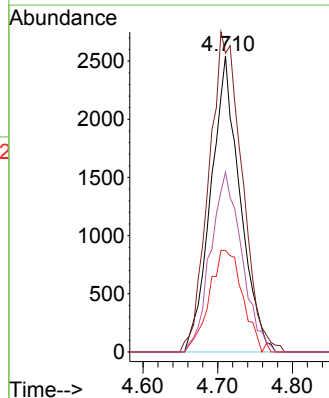
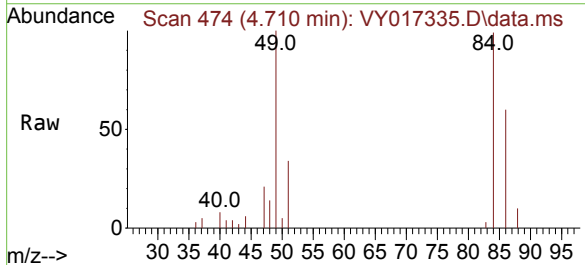
Ion Ratio Lower Upper

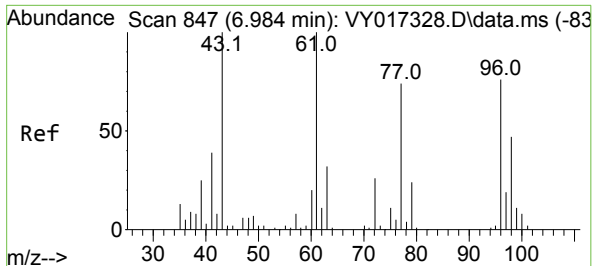
84 100

49 101.0 95.2 142.8

51 34.3 29.9 44.9

86 60.7 52.2 78.4





#25

2-Butanone

Concen: 1.775 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY017335.D

Acq: 09 Feb 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

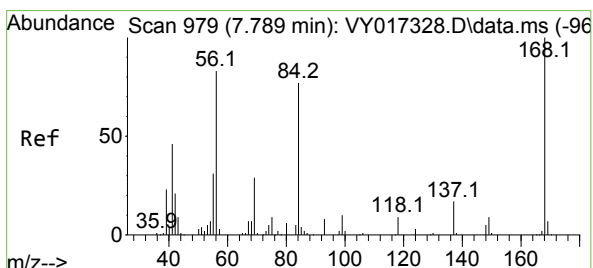
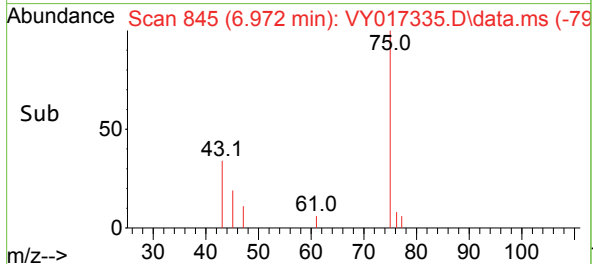
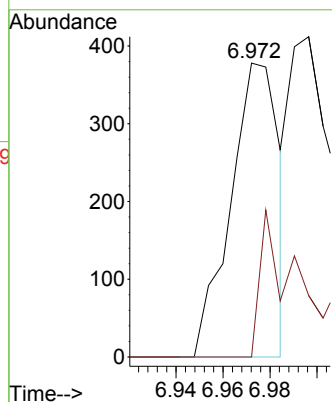
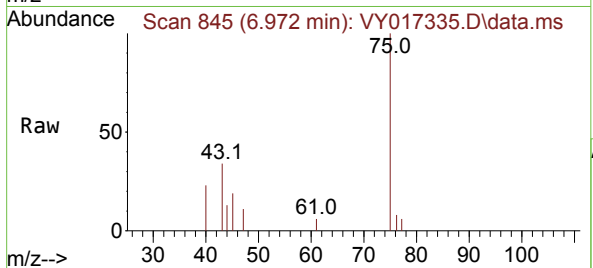
SB-6(15-16)

Tgt Ion: 43 Resp: 544

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.202 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.012 min

Lab File: VY017335.D

Acq: 09 Feb 2024 13:32

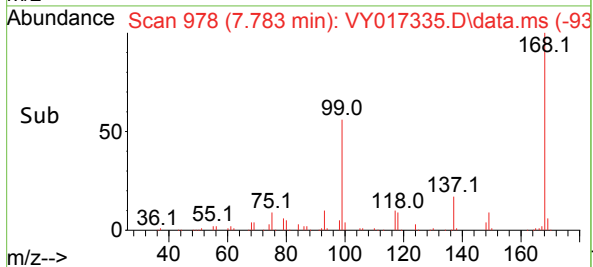
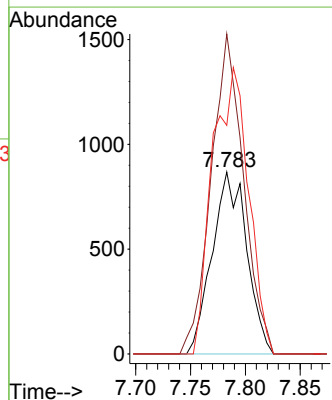
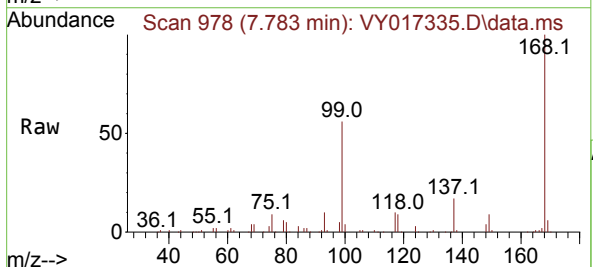
Tgt Ion: 56 Resp: 1900

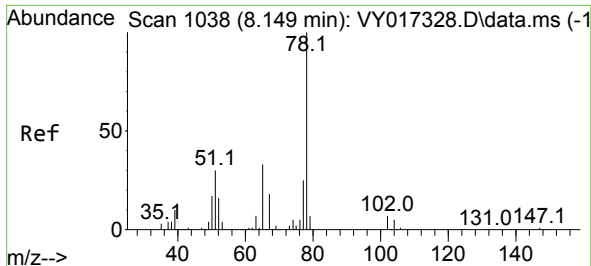
Ion Ratio Lower Upper

56 100

69 175.9 27.0 40.6#

84 125.7 71.8 107.6#

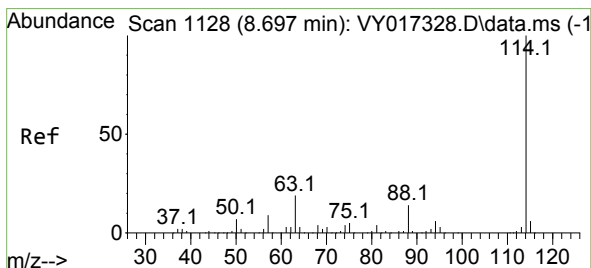
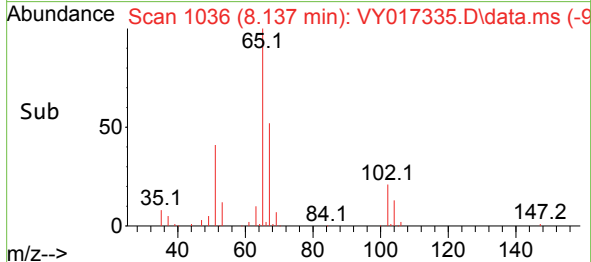
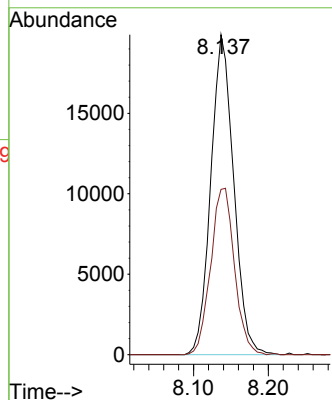
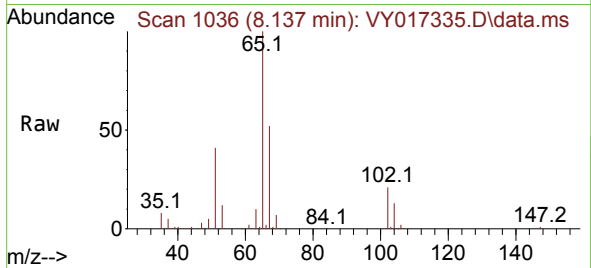




#33
 1,2-Dichloroethane-d4
 Concen: 54.017 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. -0.012 min
 Lab File: VY017335.D
 Acq: 09 Feb 2024 13:32

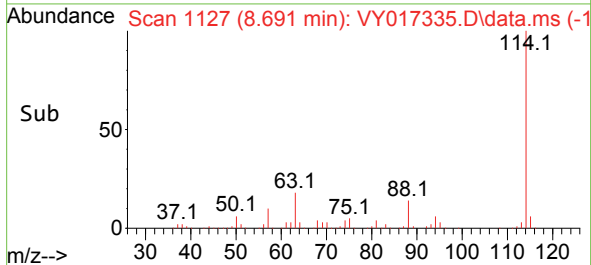
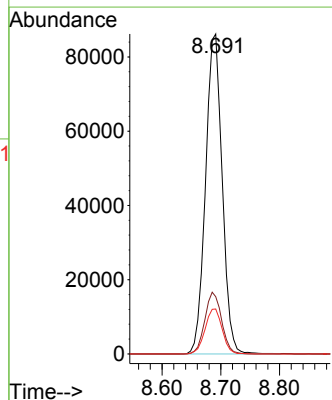
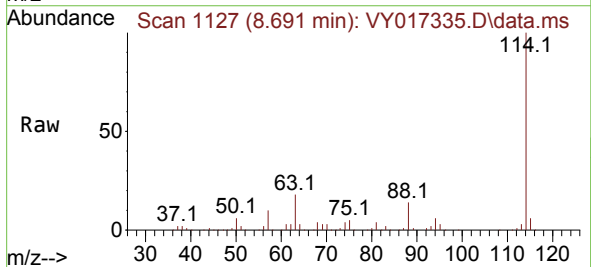
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-6(15-16)

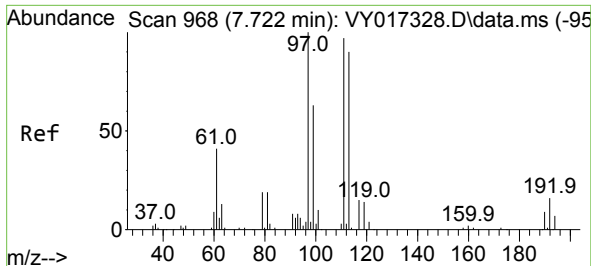
Tgt Ion: 65 Resp: 42372
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.006 min
 Lab File: VY017335.D
 Acq: 09 Feb 2024 13:32

Tgt Ion: 114 Resp: 169628
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 37.4
 88 14.1 0.0 29.0

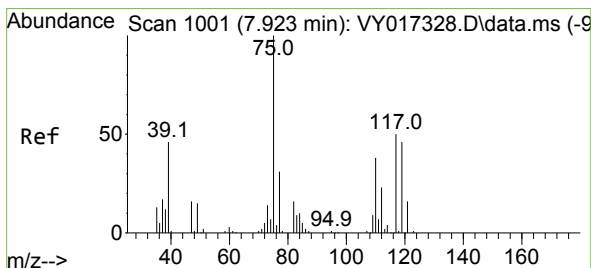
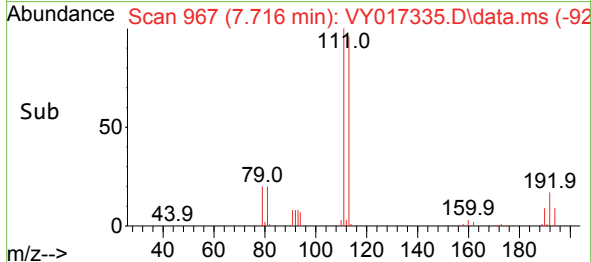
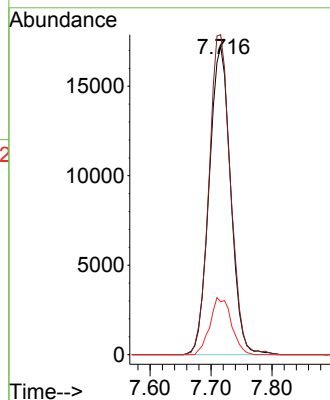
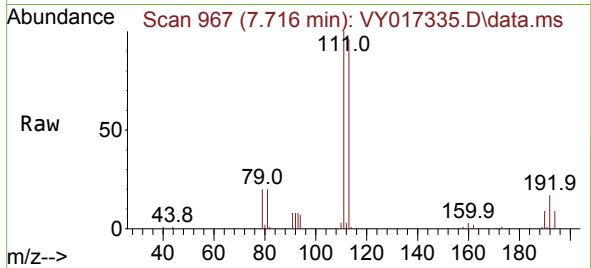




#35
Dibromofluoromethane
Concen: 45.890 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.012 min
Lab File: VY017335.D
Acq: 09 Feb 2024 13:32

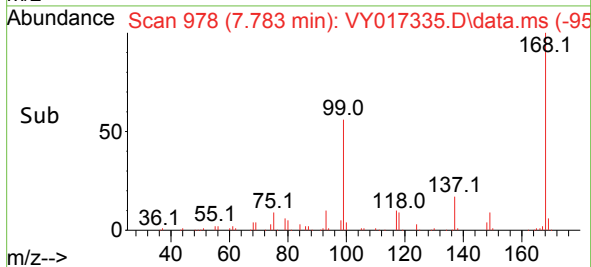
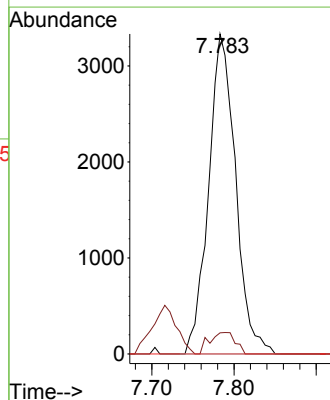
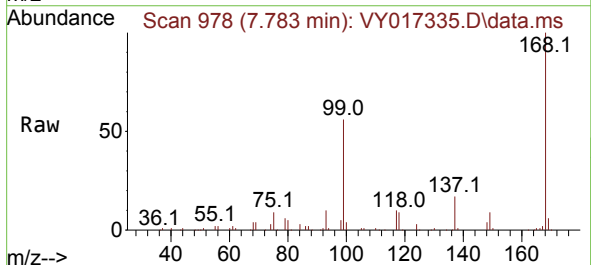
Instrument :
MSVOA_Y
ClientSampleId :
SB-6(15-16)

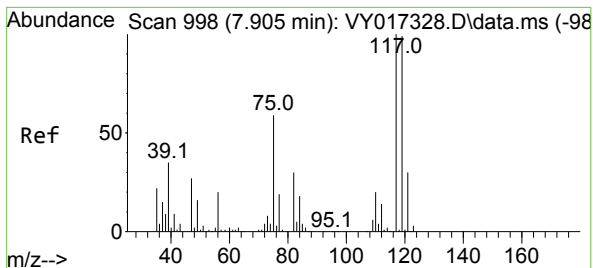
Tgt Ion:113 Resp: 42030
Ion Ratio Lower Upper
113 100
111 104.4 83.8 125.6
192 18.5 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.815 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY017335.D
Acq: 09 Feb 2024 13:32

Tgt Ion: 75 Resp: 7607
Ion Ratio Lower Upper
75 100
110 6.4 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.001 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.121 min

Lab File: VY017335.D

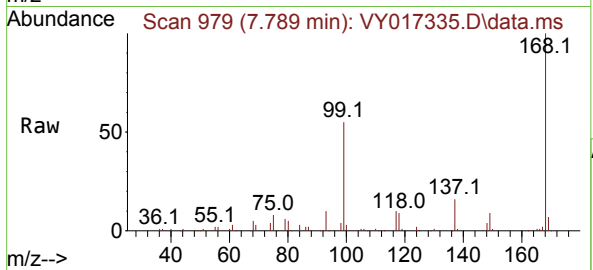
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Instrument :

MSVOA_Y

ClientSampleId :

SB-6(15-16)



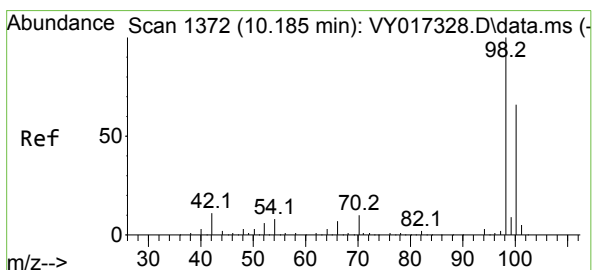
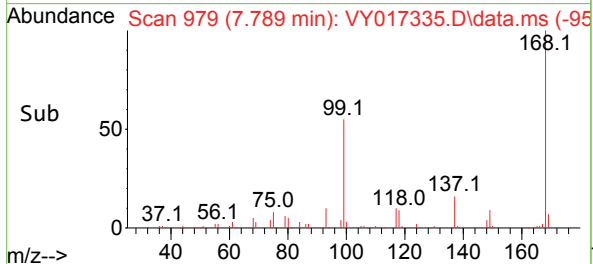
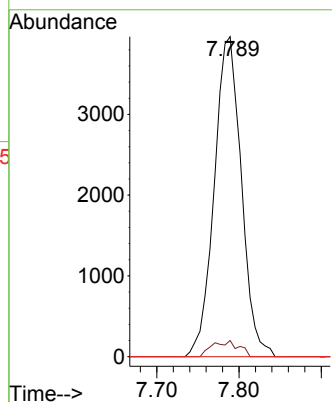
Tgt Ion:117 Resp: 9077

Ion Ratio Lower Upper

117 100

119 5.1 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.116 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.006 min

Lab File: VY017335.D

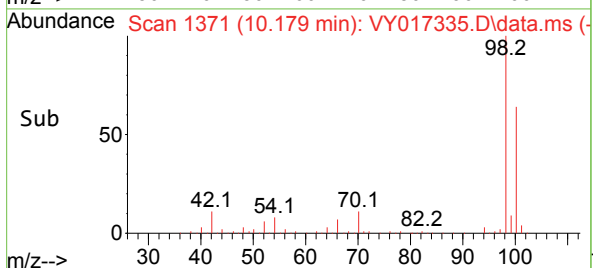
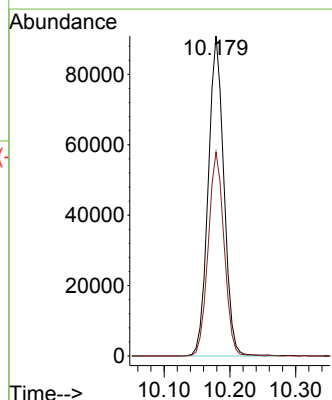
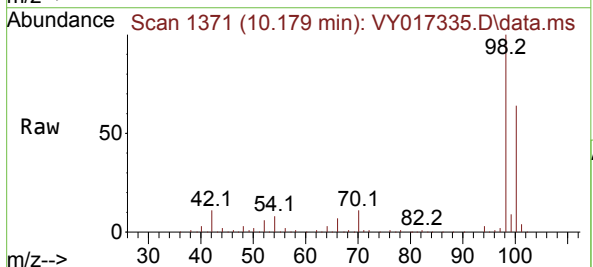
Acq: 09 Feb 2024 13:32

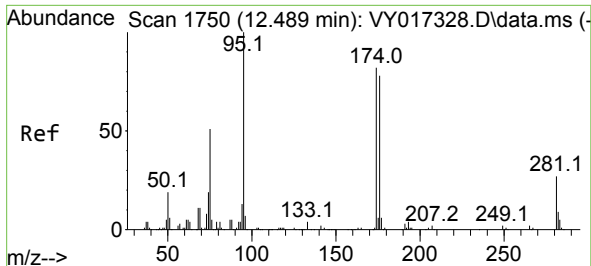
Tgt Ion: 98 Resp: 150446

Ion Ratio Lower Upper

98 100

100 64.6 52.3 78.5

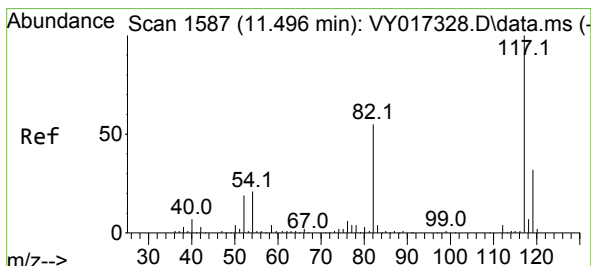
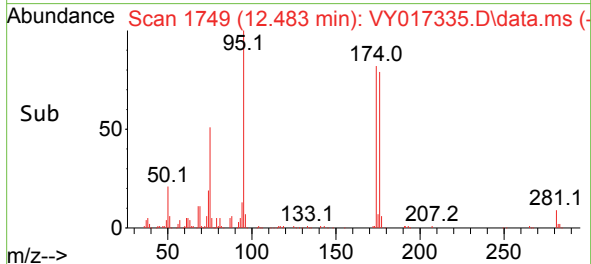
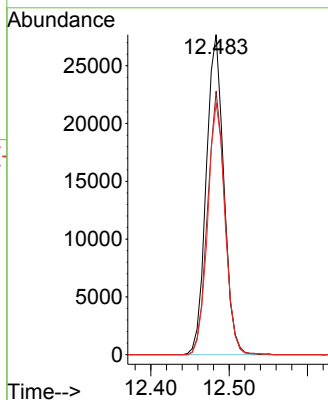
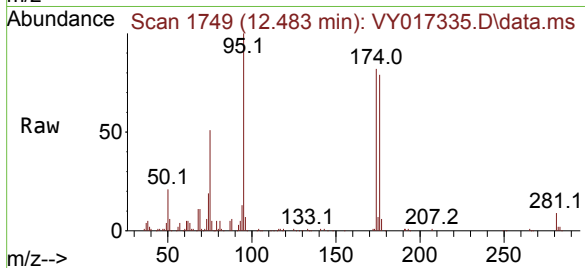




#62
4-Bromofluorobenzene
Concen: 39.356 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY017335.D
Acq: 09 Feb 2024 13:32

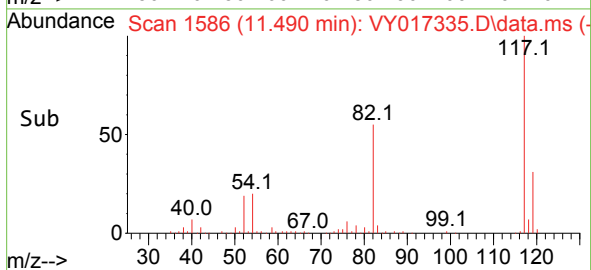
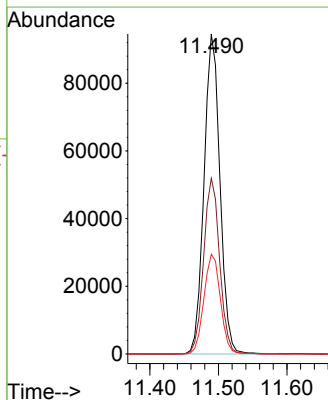
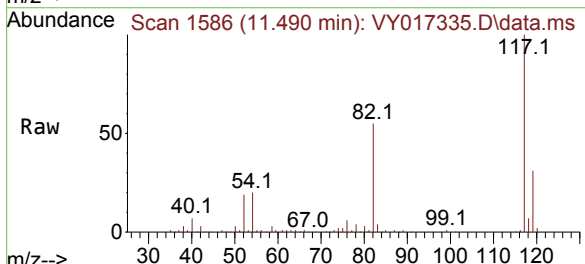
Instrument :
MSVOA_Y
ClientSampleId :
SB-6(15-16)

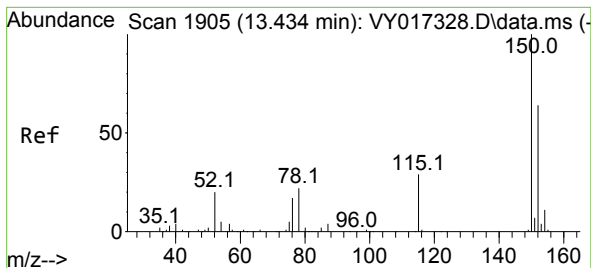
Tgt Ion:	95	Resp:	42991
Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	160.0
176	77.9	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.012 min
Lab File: VY017335.D
Acq: 09 Feb 2024 13:32

Tgt Ion:	117	Resp:	153155
Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.8	65.8
119	31.2	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY017335.D

Acq: 09 Feb 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

SB-6(15-16)

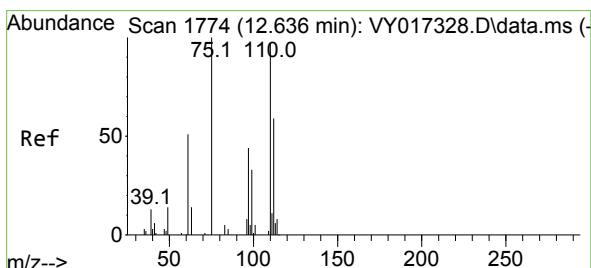
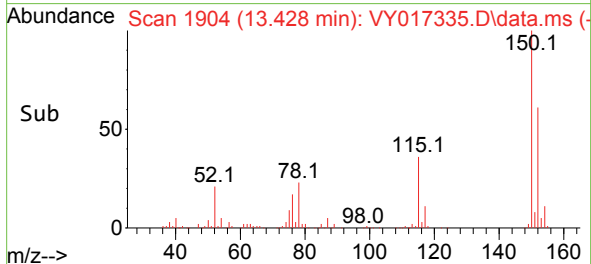
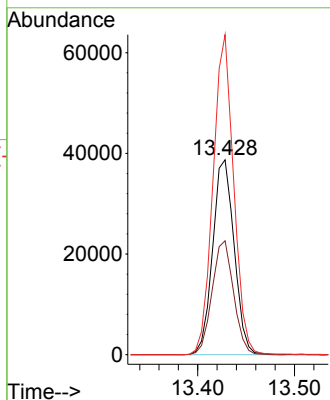
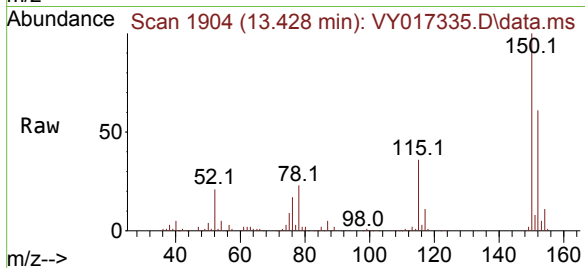
Tgt Ion:152 Resp: 59767

Ion Ratio Lower Upper

152 100

115 58.5 30.0 90.0

150 157.5 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 41.554 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.158 min

Lab File: VY017335.D

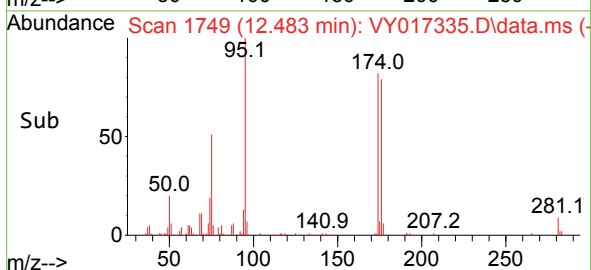
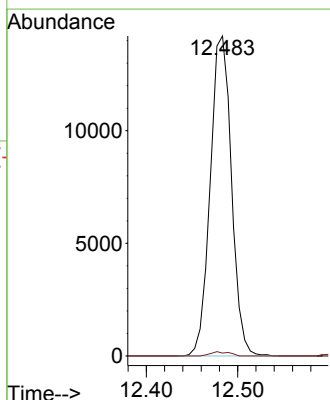
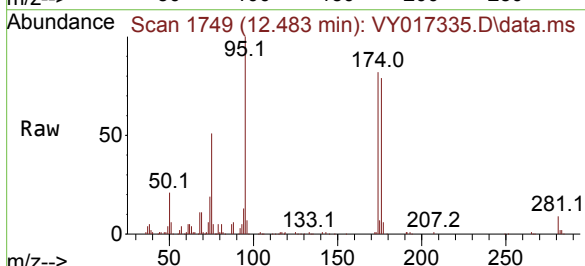
Acq: 09 Feb 2024 13:32

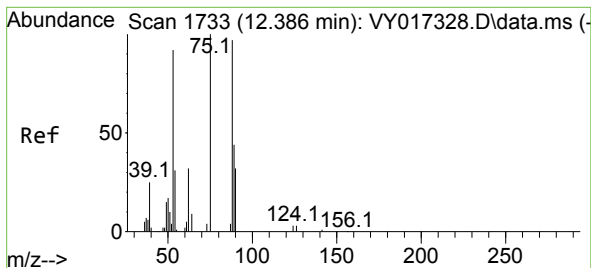
Tgt Ion: 75 Resp: 22923

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

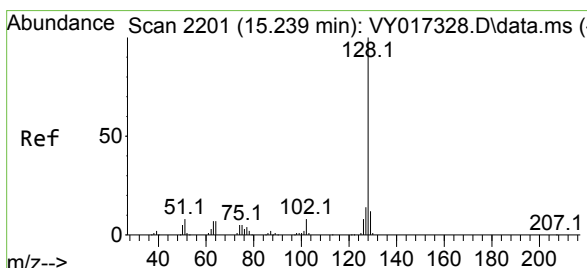
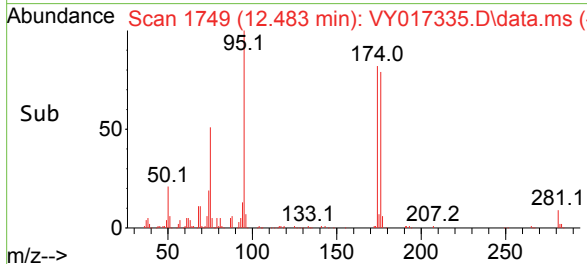
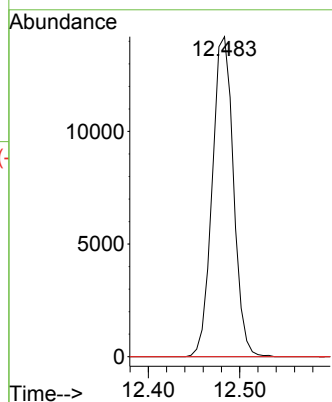
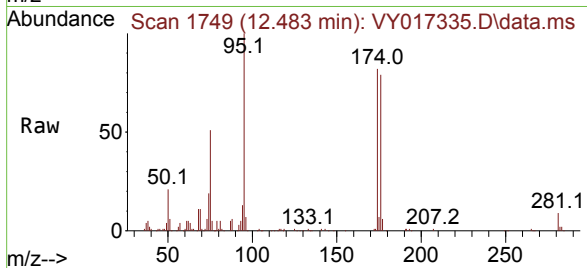




#81
trans-1,4-Dichloro-2-butene
Concen: 86.344 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY017335.D
Acq: 09 Feb 2024 13:32

Instrument :
MSVOA_Y
ClientSampleId :
SB-6(15-16)

Tgt Ion: 75 Resp: 22923
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 3.632 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.012 min
Lab File: VY017335.D
Acq: 09 Feb 2024 13:32

Tgt Ion: 128 Resp: 355
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

