

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020924\
 Data File : VY017336.D
 Acq On : 09 Feb 2024 13:56
 Operator : SY/MD
 Sample : P1414-07
 Misc : 4.79g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-10(10-11)

Quant Time: Feb 09 22:02:39 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)

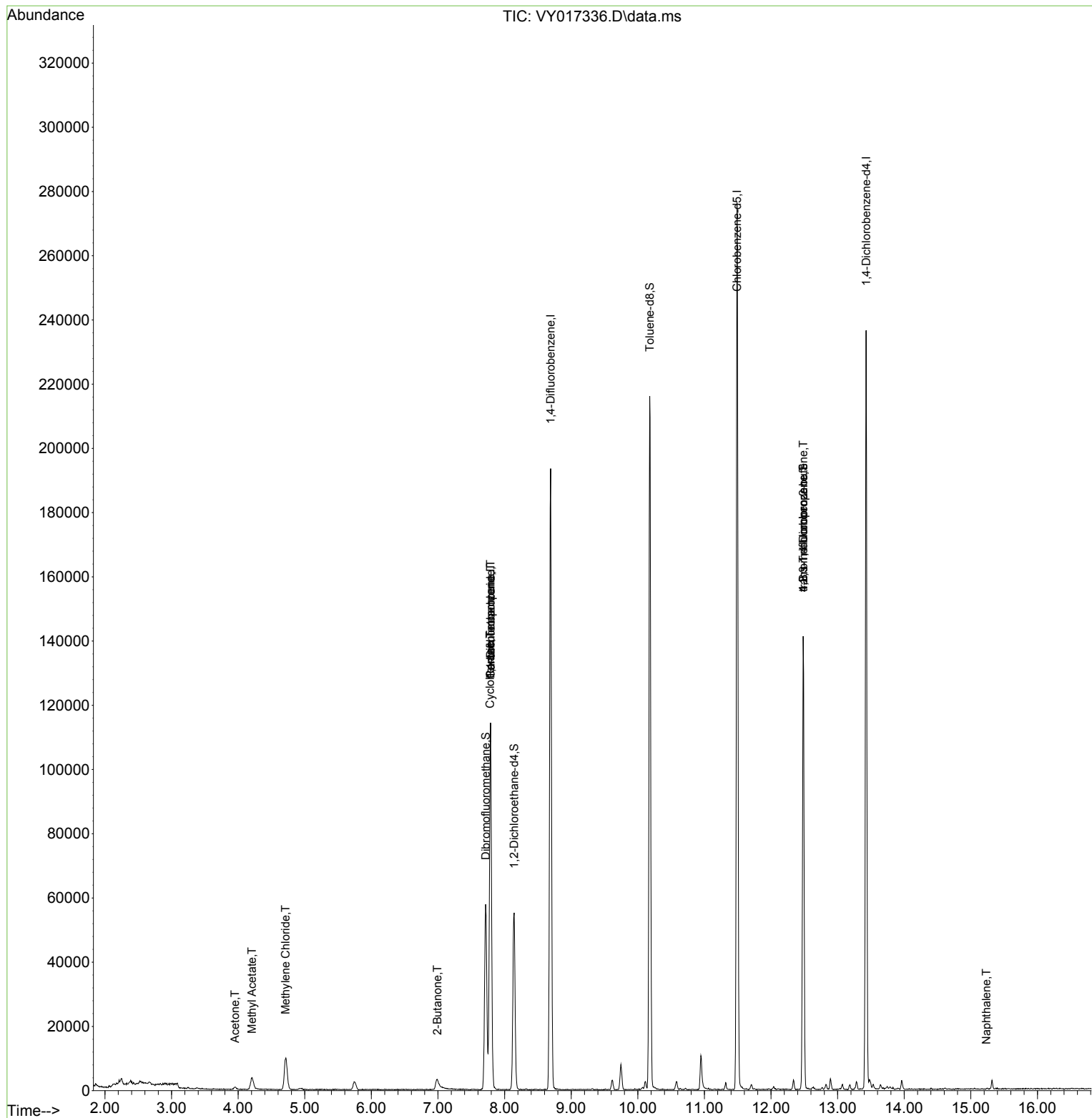
Internal Standards						
1) Pentafluorobenzene	7.789	168	85250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	165027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	150553	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	58569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	42572	55.900	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.800%
35) Dibromofluoromethane	7.716	113	41584	46.669	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.340%
50) Toluene-d8	10.179	98	144378	44.503	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.000%
62) 4-Bromofluorobenzene	12.483	95	41621	39.164	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.320%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	197	Below Cal	#	75
16) Acetone	3.954	43	1399	6.250	ug/l	96
18) Methyl Acetate	4.204	43	1503	3.010	ug/l #	51
20) Methylene Chloride	4.710	84	7681	5.242	ug/l	91
25) 2-Butanone	6.990	43	580	1.949	ug/l #	48
31) Cyclohexane	7.783	56	2068	1.347	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	7416	4.825	ug/l #	49
38) Carbon Tetrachloride	7.789	117	8516	5.787	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	22255	41.169	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	22255	85.543	ug/l #	12
95) Naphthalene	15.233	128	263	3.581	ug/l #	69

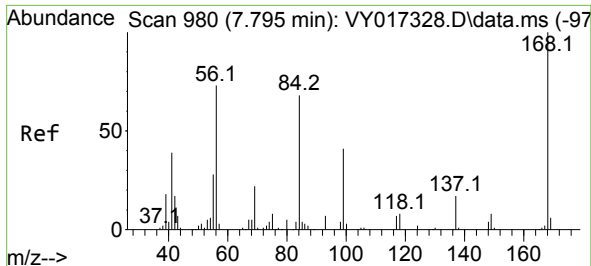
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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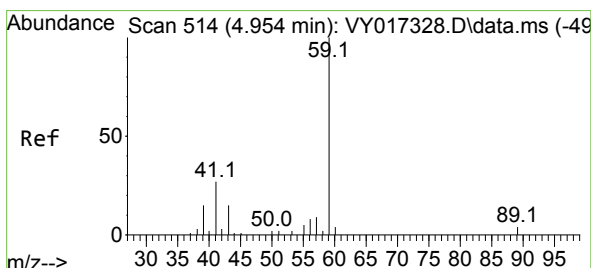
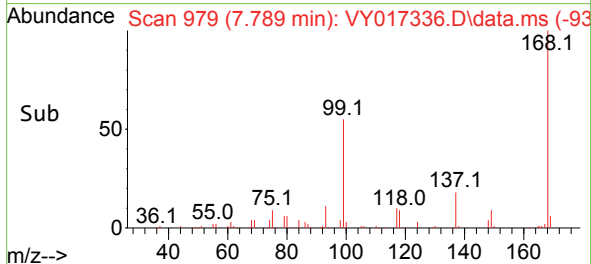
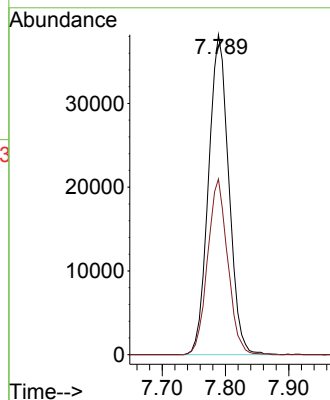
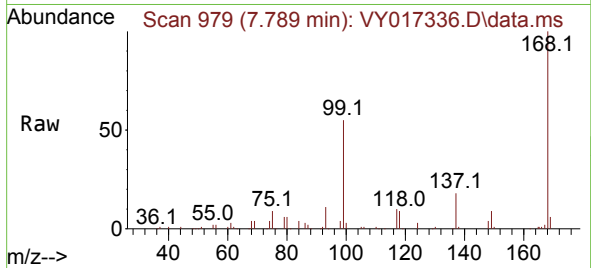




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017336.D
Acq: 09 Feb 2024 13:56

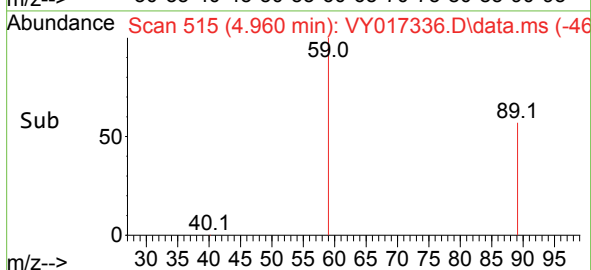
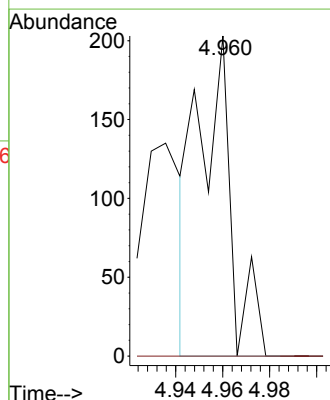
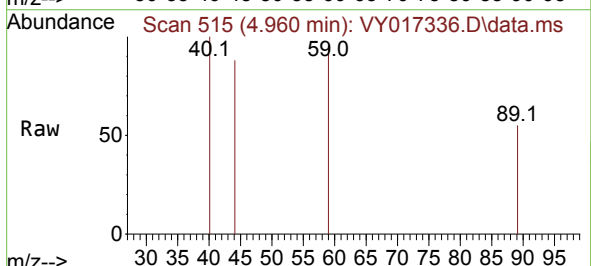
Instrument :
MSVOA_Y
ClientSampleId :
SB-10(10-11)

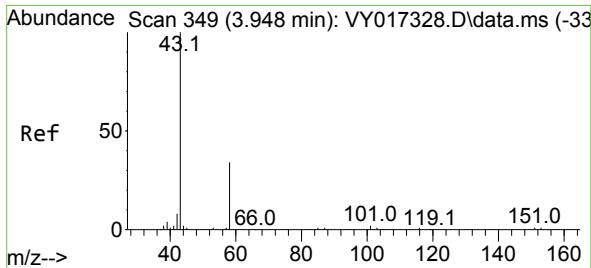
Tgt Ion:168 Resp: 85250
Ion Ratio Lower Upper
168 100
99 54.9 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY017336.D
Acq: 09 Feb 2024 13:56

Tgt Ion: 59 Resp: 197
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

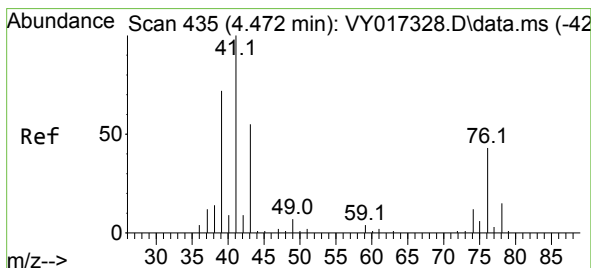
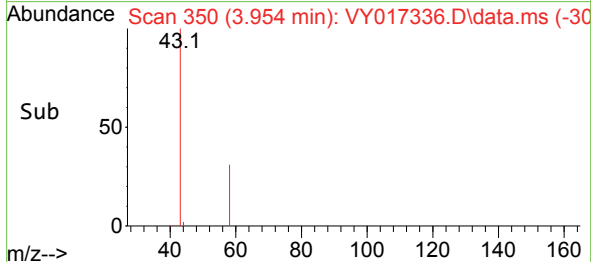
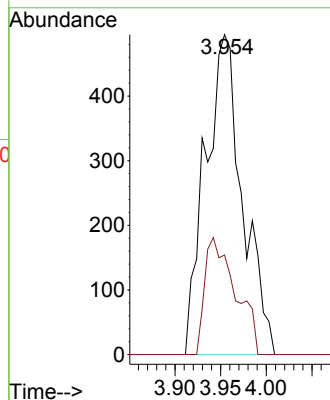
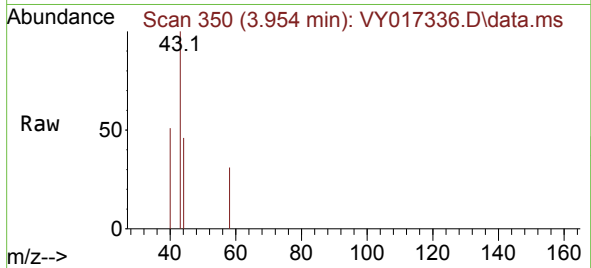




#16
Acetone
Concen: 6.250 ug/l
RT: 3.954 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY017336.D
Acq: 09 Feb 2024 13:56

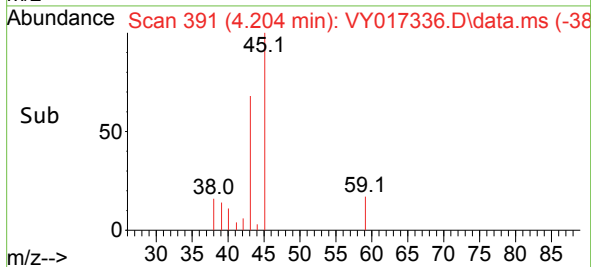
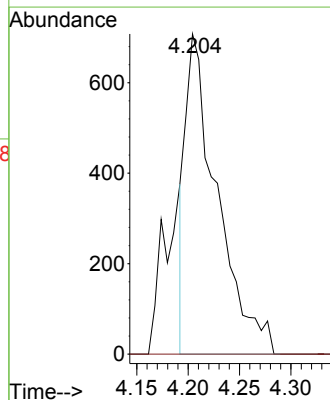
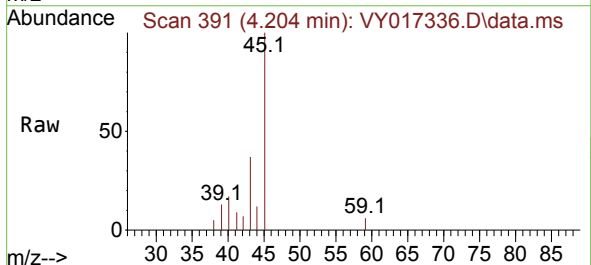
Instrument :
MSVOA_Y
ClientSampleId :
SB-10(10-11)

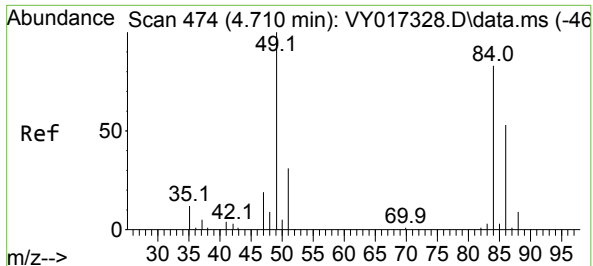
Tgt Ion: 43 Resp: 1399
Ion Ratio Lower Upper
43 100
58 31.1 26.6 39.8



#18
Methyl Acetate
Concen: 3.010 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.280 min
Lab File: VY017336.D
Acq: 09 Feb 2024 13:56

Tgt Ion: 43 Resp: 1503
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#





#20

Methylene Chloride

Concen: 5.242 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.018 min

Lab File: VY017336.D

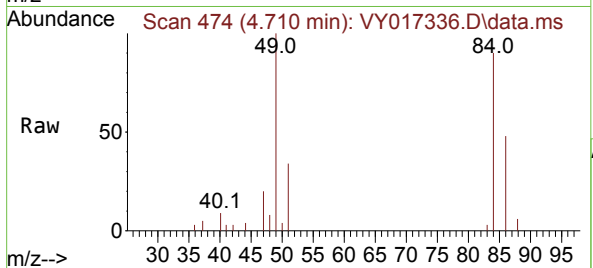
Acq: 09 Feb 2024 13:56

Instrument :

MSVOA_Y

ClientSampleId :

SB-10(10-11)



Tgt Ion: 84 Resp: 7681

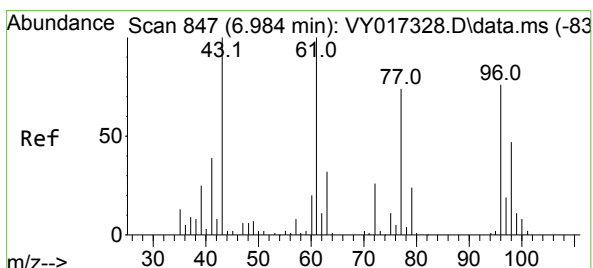
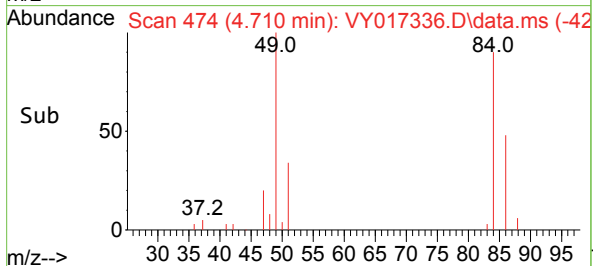
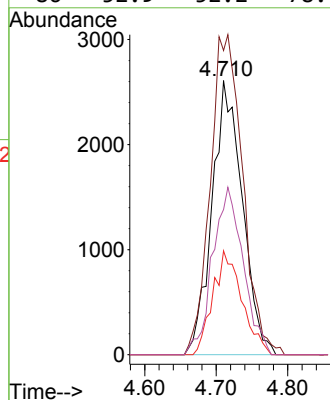
Ion Ratio Lower Upper

84 100

49 111.0 95.2 142.8

51 37.9 29.9 44.9

86 52.9 52.2 78.4



#25

2-Butanone

Concen: 1.949 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY017336.D

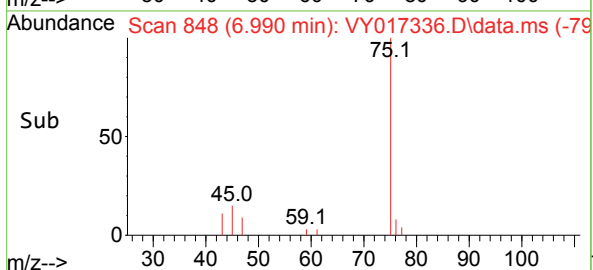
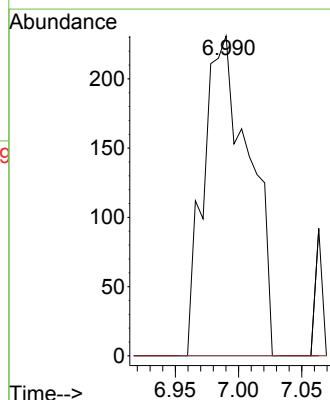
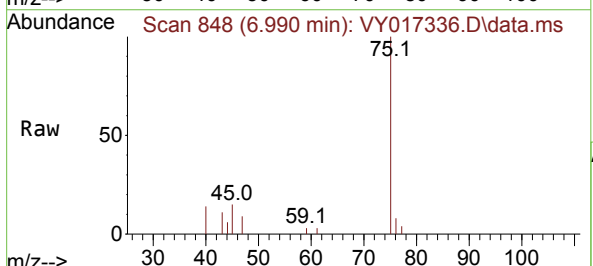
Acq: 09 Feb 2024 13:56

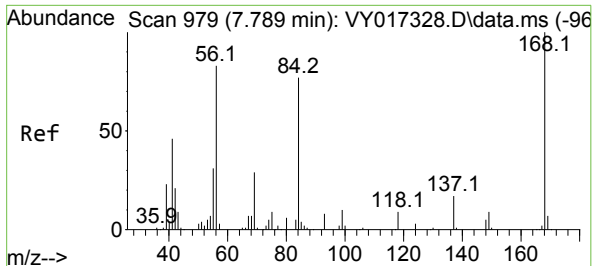
Tgt Ion: 43 Resp: 580

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#

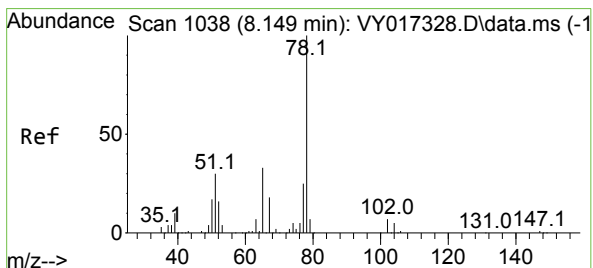
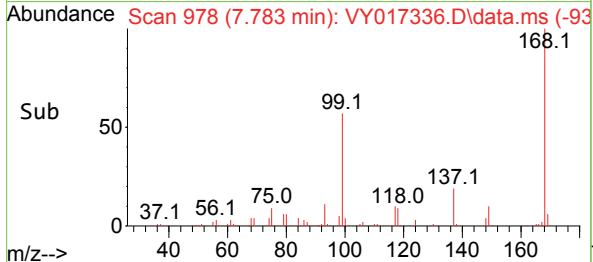
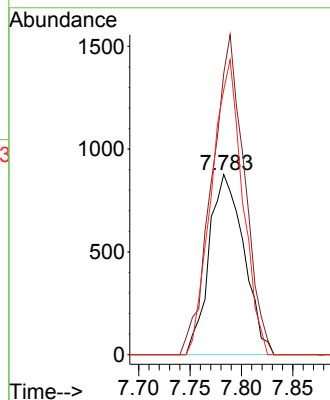
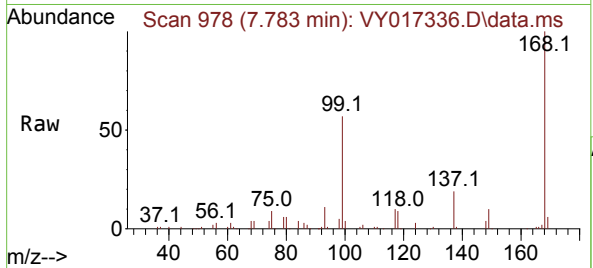




#31
Cyclohexane
Concen: 1.347 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017336.D
Acq: 09 Feb 2024 13:56

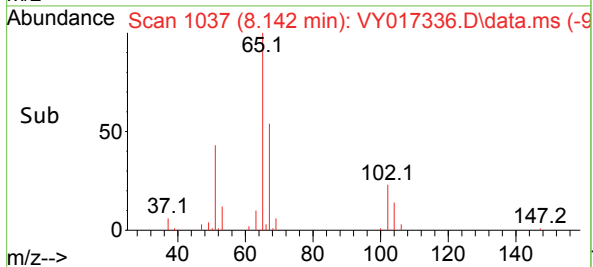
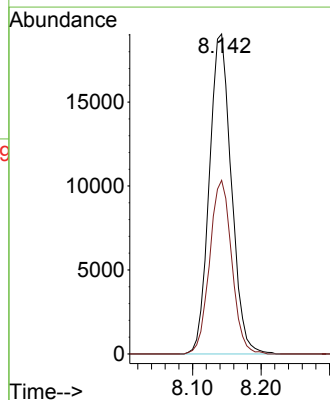
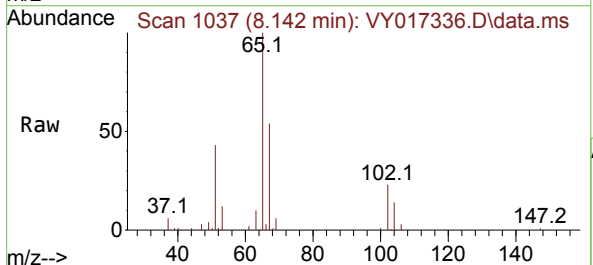
Instrument :
MSVOA_Y
ClientSampleId :
SB-10(10-11)

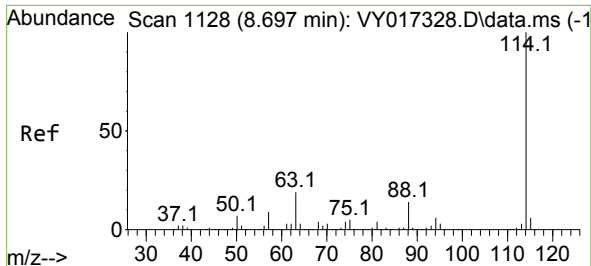
Tgt Ion: 56 Resp: 2068
Ion Ratio Lower Upper
56 100
69 156.0 27.0 40.6#
84 146.9 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 55.900 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY017336.D
Acq: 09 Feb 2024 13:56

Tgt Ion: 65 Resp: 42572
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY017336.D

Acq: 09 Feb 2024 13:56

Instrument :

MSVOA_Y

ClientSampleId :

SB-10(10-11)

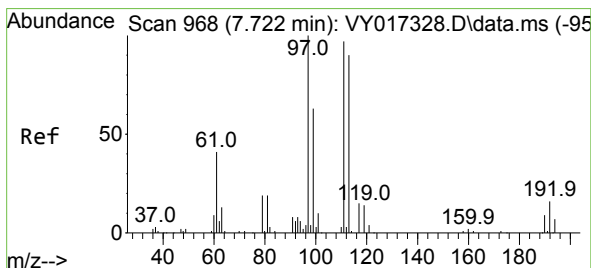
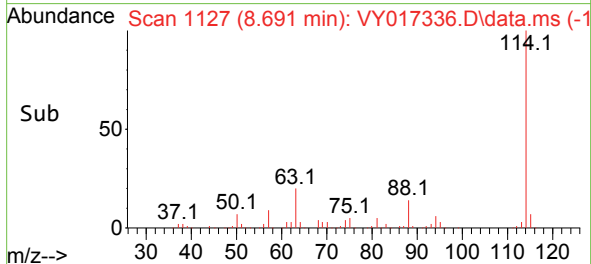
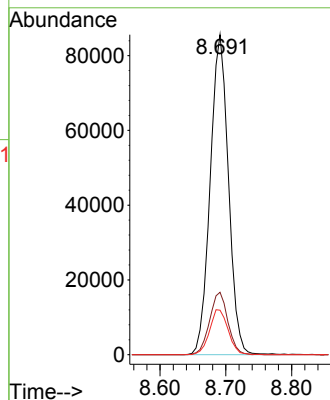
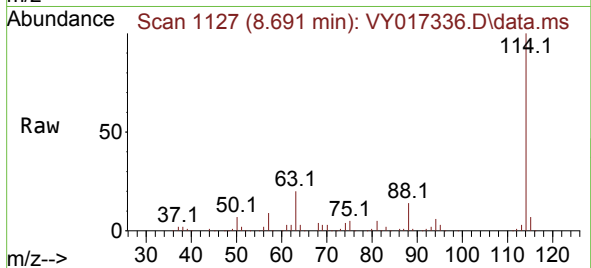
Tgt Ion:114 Resp: 165027

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.4

88 13.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 46.669 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.012 min

Lab File: VY017336.D

Acq: 09 Feb 2024 13:56

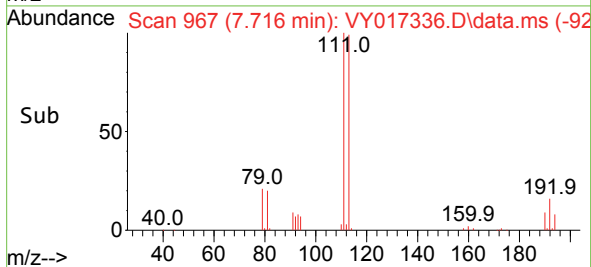
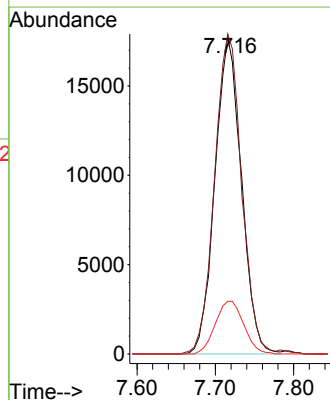
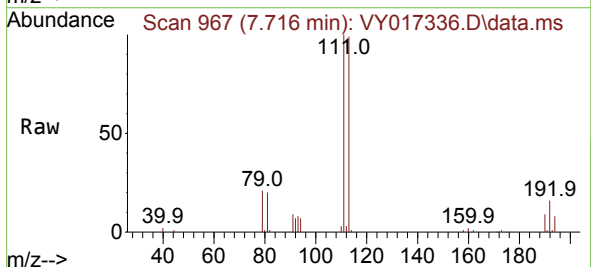
Tgt Ion:113 Resp: 41584

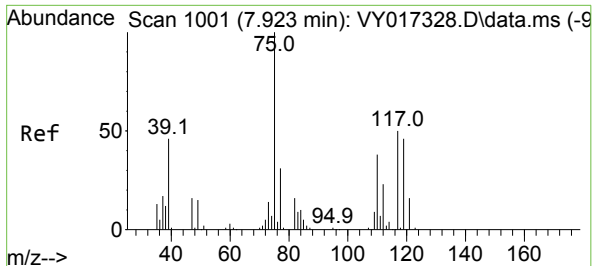
Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

192 17.9 14.5 21.7

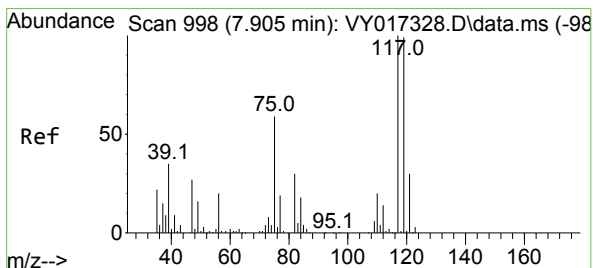
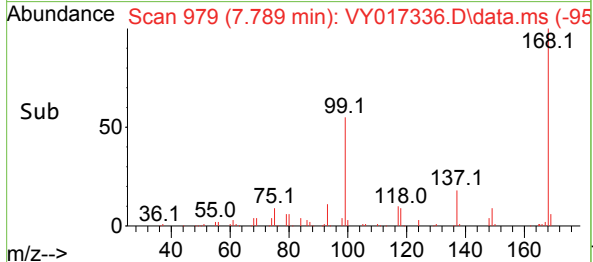
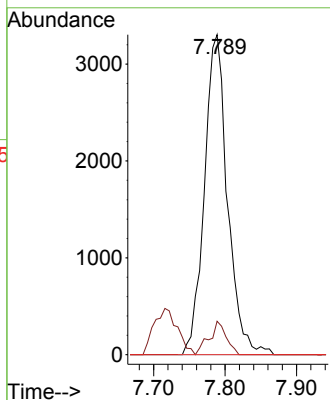
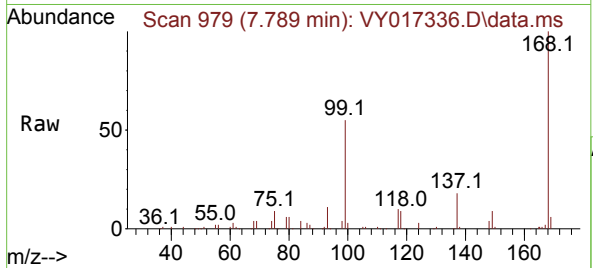




#36
1,1-Dichloropropene
Concen: 4.825 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY017336.D
Acq: 09 Feb 2024 13:56

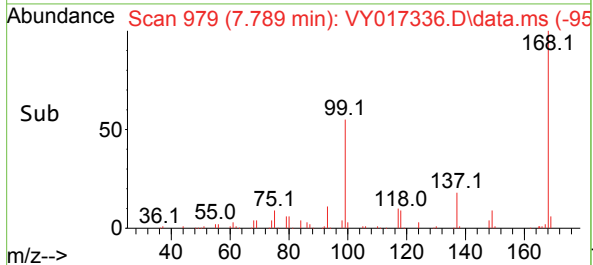
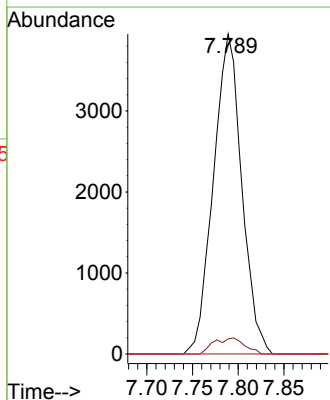
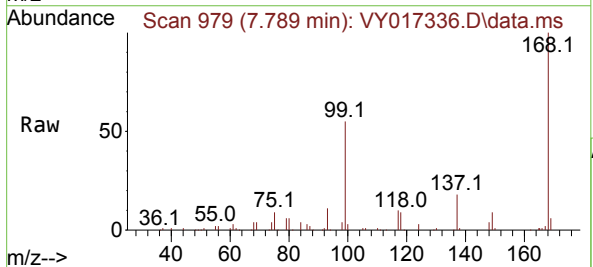
Instrument :
MSVOA_Y
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SB-10(10-11)

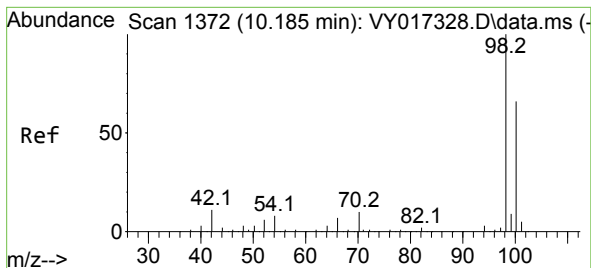
Tgt Ion: 75 Resp: 7416
Ion Ratio Lower Upper
75 100
110 7.7 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.787 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY017336.D
Acq: 09 Feb 2024 13:56

Tgt Ion: 117 Resp: 8516
Ion Ratio Lower Upper
117 100
119 4.7 76.0 114.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 44.503 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY017336.D

Acq: 09 Feb 2024 13:56

Instrument :

MSVOA_Y

ClientSampleId :

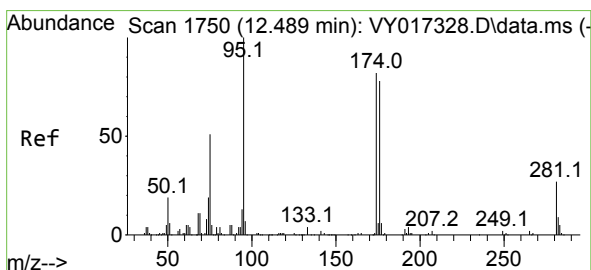
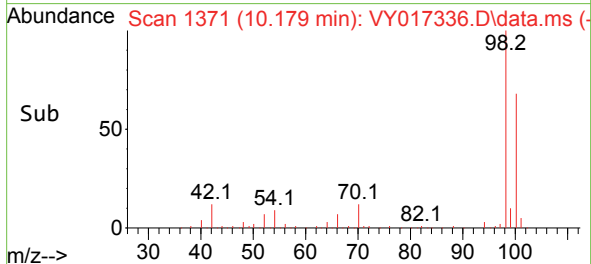
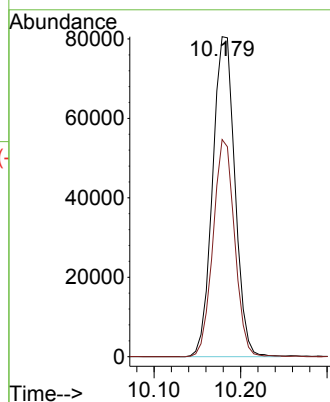
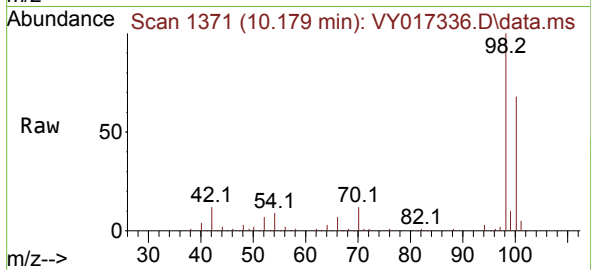
SB-10(10-11)

Tgt Ion: 98 Resp: 144378

Ion Ratio Lower Upper

98 100

100 65.5 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 39.164 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VY017336.D

Acq: 09 Feb 2024 13:56

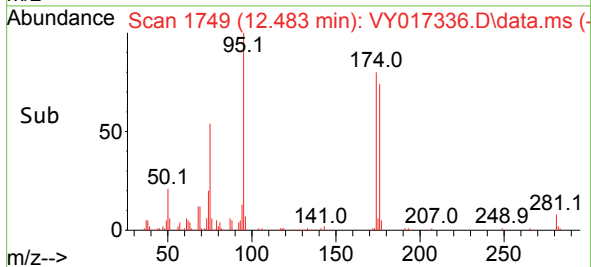
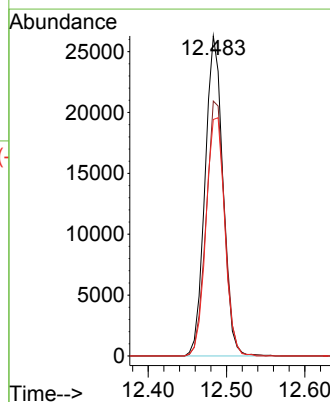
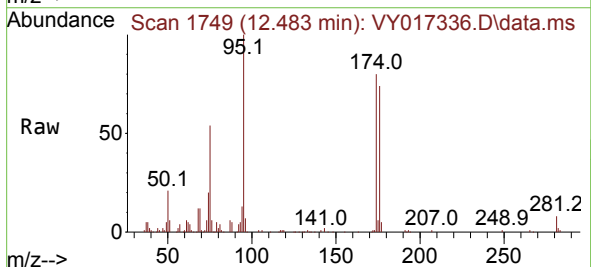
Tgt Ion: 95 Resp: 41621

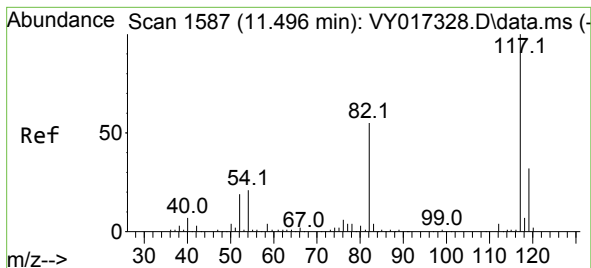
Ion Ratio Lower Upper

95 100

174 82.7 0.0 160.0

176 78.2 0.0 151.8

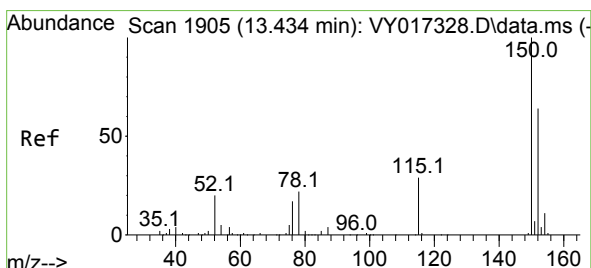
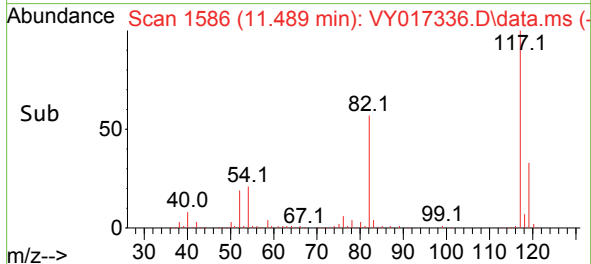
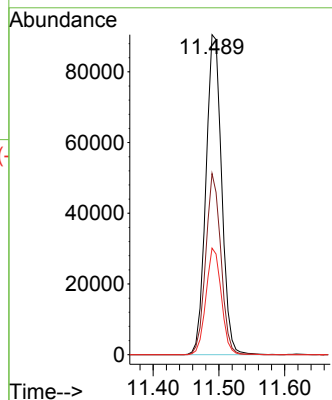
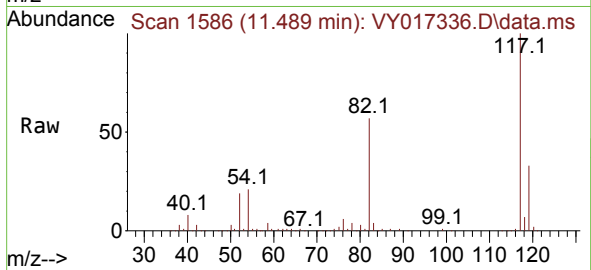




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 111
Delta R.T. -0.012 min
Lab File: VY017336.D
Acq: 09 Feb 2024 13:56

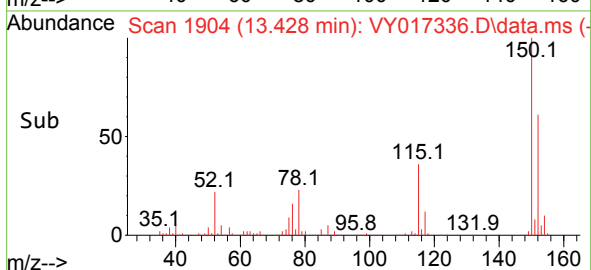
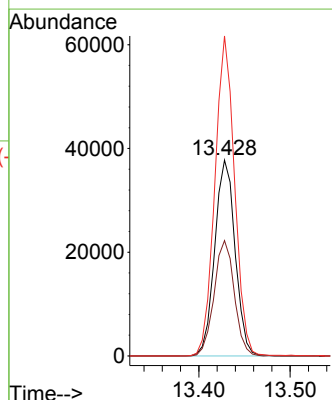
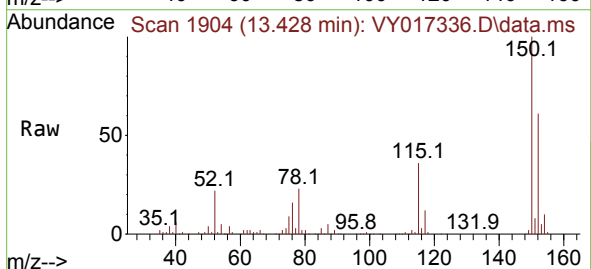
Instrument :
MSVOA_Y
ClientSampleId :
SB-10(10-11)

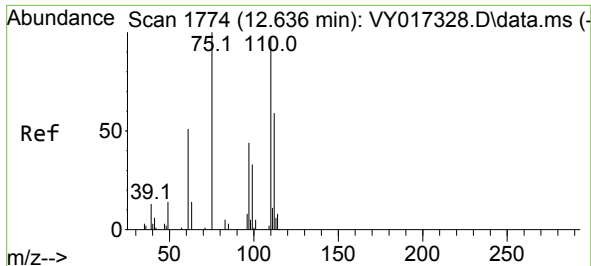
Tgt Ion:117 Resp: 150553
Ion Ratio Lower Upper
117 100
82 56.6 43.8 65.8
119 33.3 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY017336.D
Acq: 09 Feb 2024 13:56

Tgt Ion:152 Resp: 58569
Ion Ratio Lower Upper
152 100
115 58.3 30.0 90.0
150 157.8 0.0 344.6

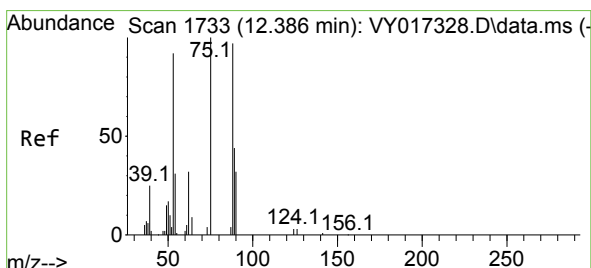
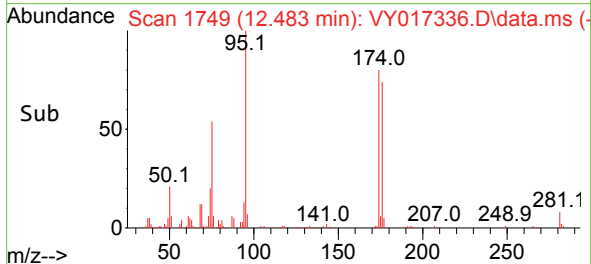
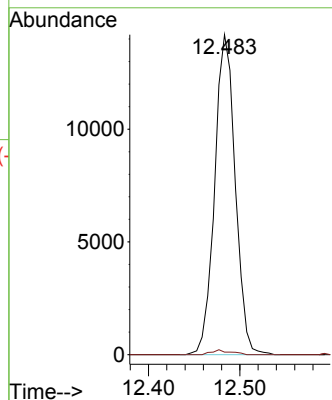
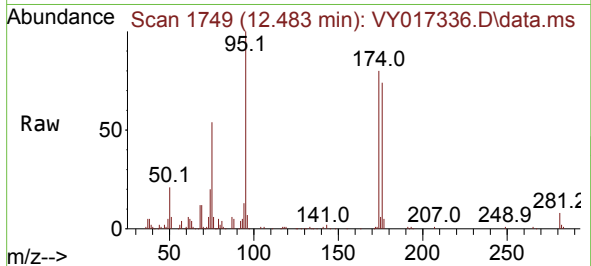




#76
1,2,3-Trichloropropane
Concen: 41.169 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.158 min
Lab File: VY017336.D
Acq: 09 Feb 2024 13:56

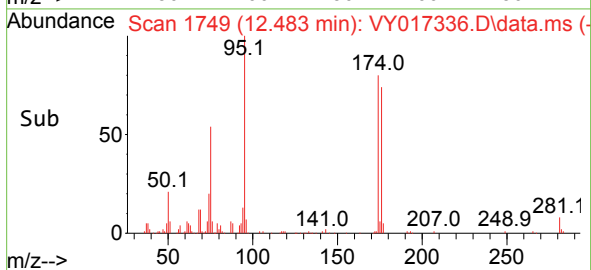
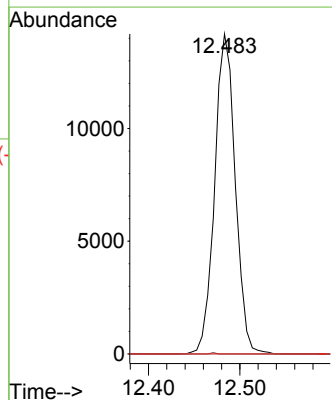
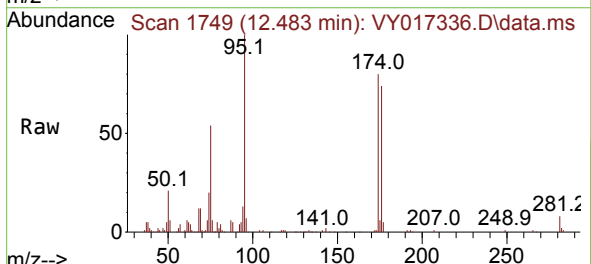
Instrument :
MSVOA_Y
ClientSampleId :
SB-10(10-11)

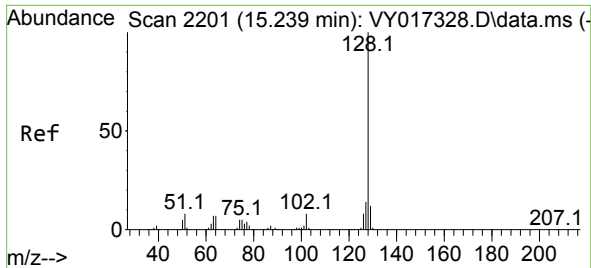
Tgt Ion: 75 Resp: 22255
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.543 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY017336.D
Acq: 09 Feb 2024 13:56

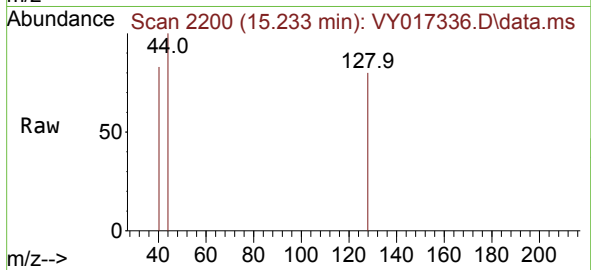
Tgt Ion: 75 Resp: 22255
Ion Ratio Lower Upper
75 100
53 0.1 74.0 111.0#
89 0.0 36.5 54.7#





#95
Naphthalene
Concen: 3.581 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.012 min
Lab File: VY017336.D
Acq: 09 Feb 2024 13:56

Instrument :
MSVOA_Y
ClientSampleId :
SB-10(10-11)



Tgt Ion:128 Resp: 263
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

